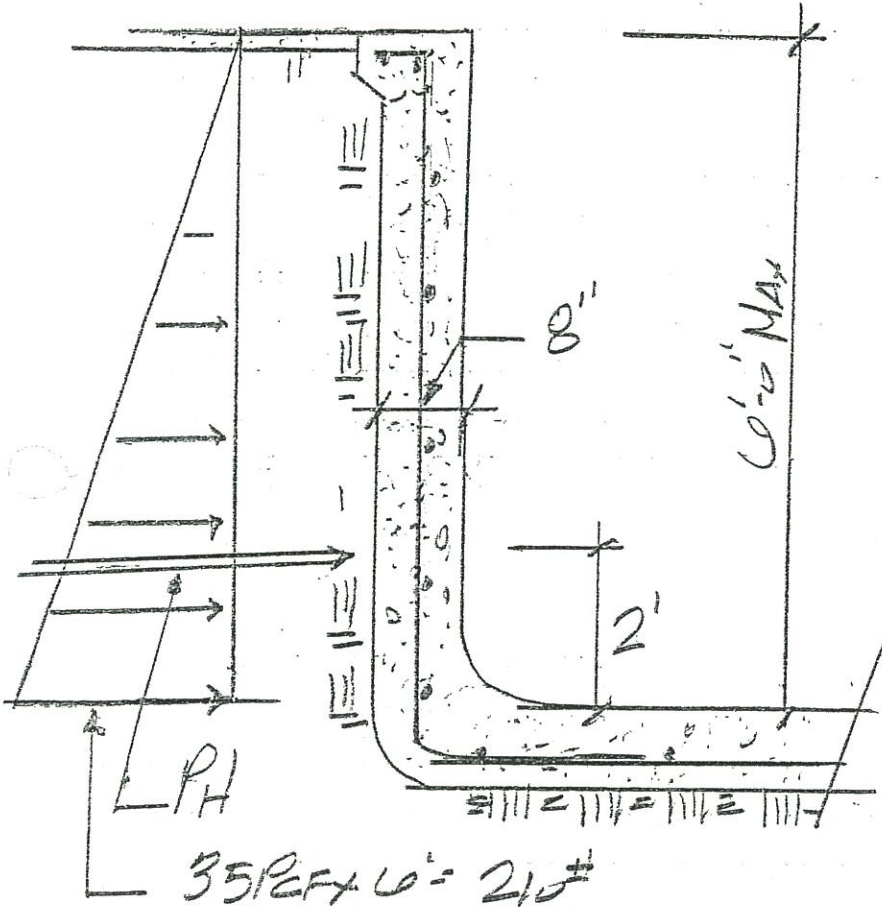


MITCHELL ENGINEERING INC.

SCOPE OF WORK:

DESIGN FOR POOL WALL SHOWN BELOW FOR POOL SHOWN ON SHEET A1 CONTAINED WITHIN.



$$PH = \frac{1}{2} \times 210 \times 6 = 630 \#$$

$$PH \text{ ALL} - 630 \times 1.7 = 1071 \#$$

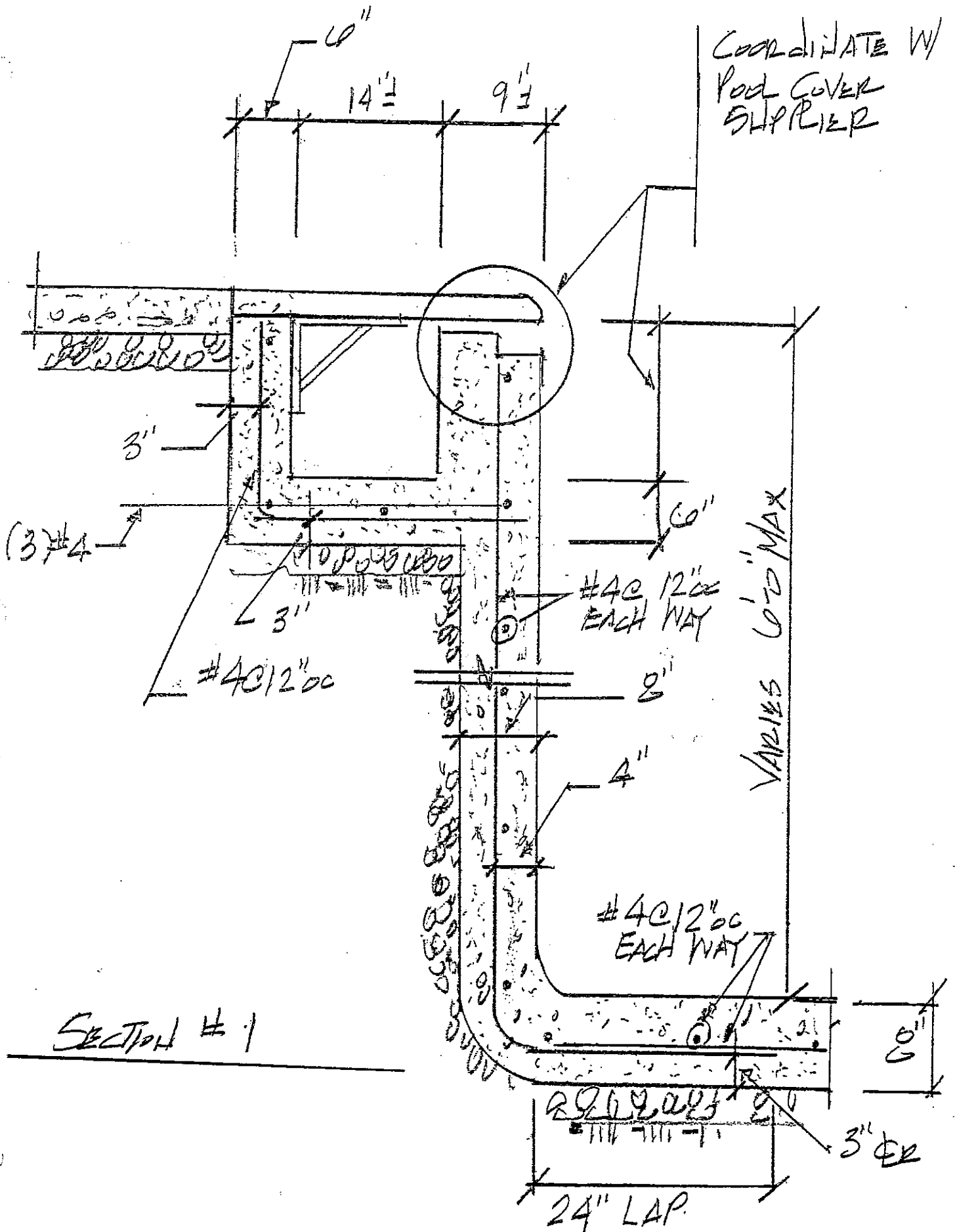


$$M - 1071 \# \times 6/3 = 2142 \text{ FT-LB} \times 12 / 4 \times 4 = 0.165 \times 20 \text{ FT}^2$$

#4 @ 12" OC VERTICAL

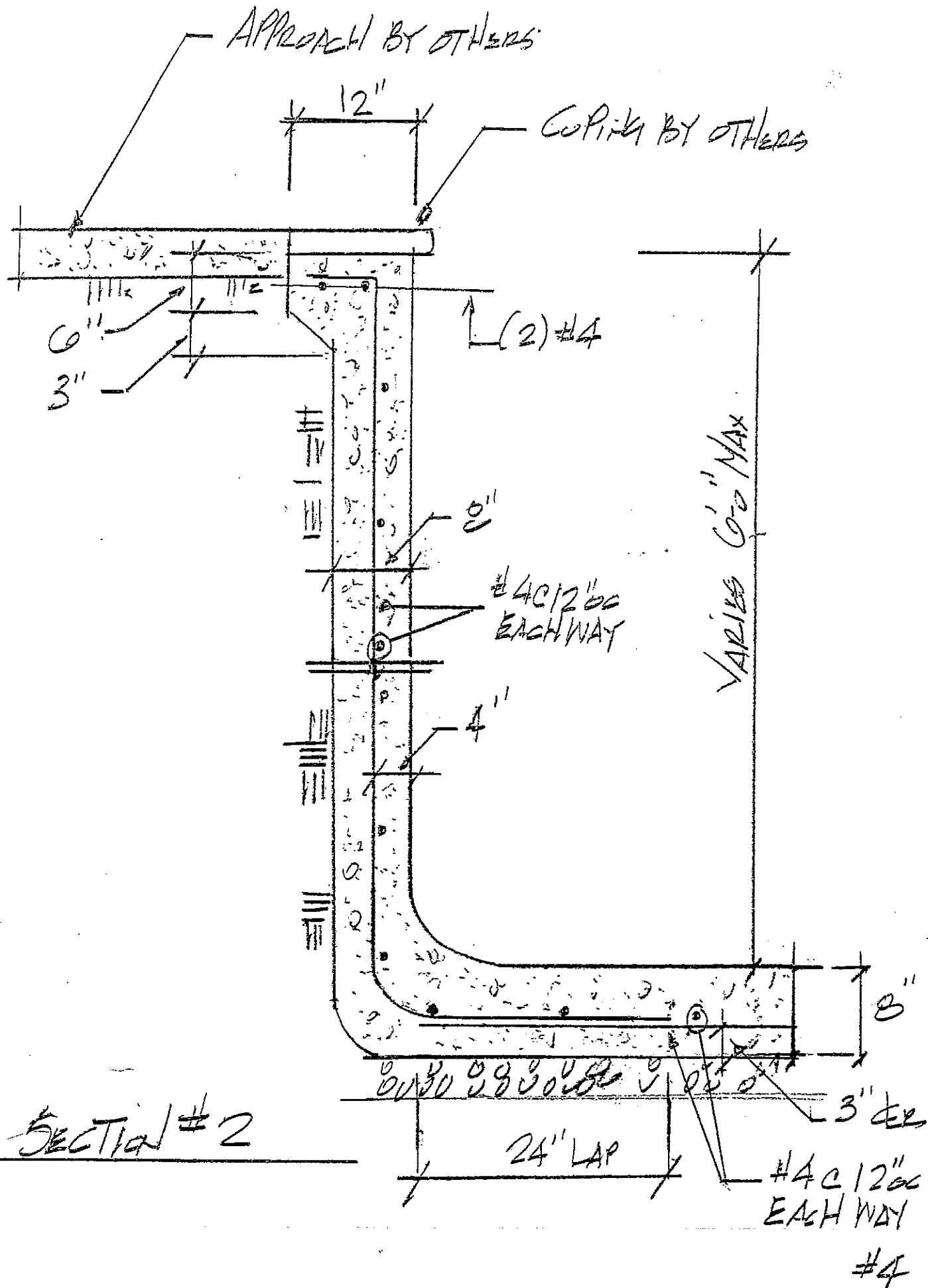
STRUCTURAL NOTES

1. CONTRACTOR SHALL COMPLY WITH THE CURRENT EDITION OF THE 2018 INTERNATIONAL BUILDING CODE OR APPLICABLE CODE OR BUILDING ORDINANCE.
2. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS.
3. CALL LOCAL BUILDING DEPARTMENT FOR STEEL INSPECTION PRIOR TO POURING CONCRETE.
4. ASSUMED DESIGN FLUID PRESSURE = 35 LBS. PER CUBIC FOOT.
5. ASSUMED SOIL BEARING = 1500 LBS/ PER FOOT SQUARED.
6. THE GROUND SURROUNDING THE SWIMMING POOL IS ASSUMED LEVEL. NO SURCHARGE, RETAINING WALLS OR TERRACES ARE TO BE CONSTRUCTED ABOUT THE PERIMETER OF THE POOL.
7. AIR-PLACED CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 4000 PSI.
8. STEEL PLACEMENT SHALL BE AS SHOWN ON THE PLAN. LAP ALL BARS 30-BAR DIAMETERS. 2'-0" RETURN AT ALL CORNERS. ALL STEEL SHALL BE CAREFULLY AND FIRMLY WIRED INTO PLACE. REINFORCEMENT SHALL BE SECURED IN PLACE WITH CONCRETE BRICK.
9. CONCRETE SHALL BE PLACED ON FIRM; NATURAL, UNDISTURBED SOIL.
10. THE POOL SECTION HEREIN IS DESIGNED PRIMARILY FOR RECTANGULAR SHAPED POOLS, AND IS FULLY APPLICABLE TO FREE-FORM POOLS.
11. REINFORCEMENT SHALL BE DEFORMED BILLET STEEL $f_y = 40,000$ PSI.

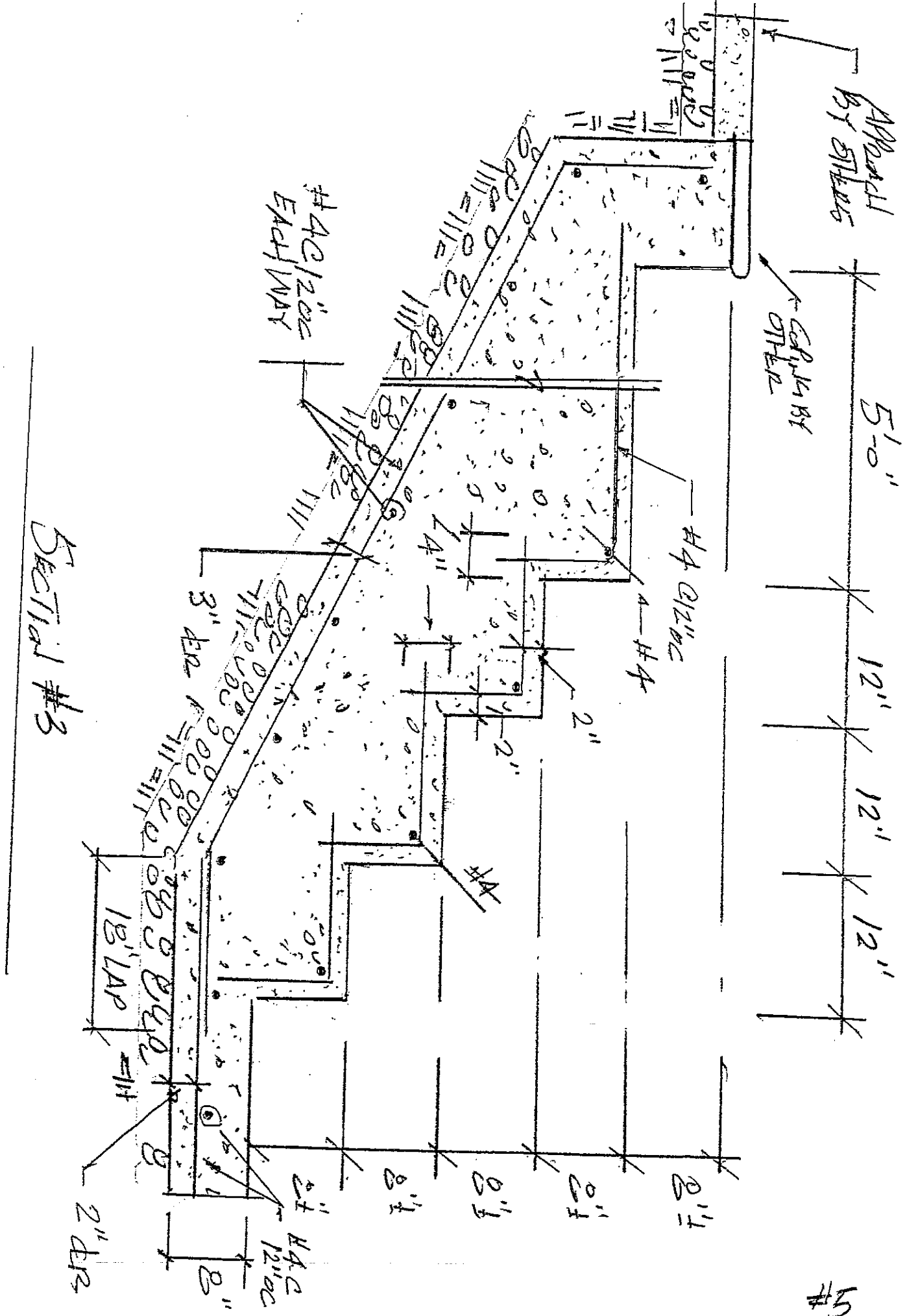


COORDINATE W/
 POOL COVER
 SUPPLIER

SECTION # 1



SECTION # 2



SECTION #3

#5

