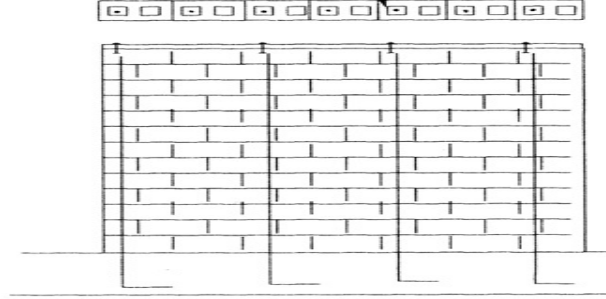


FILL CELL W/2500 PSI
GROUT AND NO. 4 REBAR
AT 2' O.C.



CONTINUOUS 2X6 WOOD
PLATE W/ 1/2"
ANCHOR BOLTS
AT 2' O.C.

TYPICAL BLOCK WALL SECTION

GENERAL NOTES:

1. CONCRETE DESIGN IS TO BE BASED UPON A CONCRETE MIX HAVING A MINIMUM OF 2 BAGS OF CEMENT PER CUBIC YARD AND A MAXIMUM OF 30 GALLONS OF FREE AND ADDED WATER PER CUBIC YARD. THE FINAL MIX SHOULD YIELD A COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH ACI-318 (LATEST VERSION).
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1750 PSI AT TIME OF STRESSING.
3. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60) REINFORCING STEEL SHALL BE DETAILED AND ACCESSORIES PROVIDED IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
4. ALL PRESTRESSING STEEL SHALL CONSIST OF SEVEN WIRE LOW RELAXATION STRAND CONFORMING TO ASTM-A421. MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 270 KSI. STRANDS SHALL BE GALVANIZED WITH A MINIMUM OF 0.025 INCHES THICK AND A PLASTIC SHEATH OF AT LEAST 0.025 INCHES THICK.
5. REINFORCEMENT SHALL HAVE 2" COVER IN THE GRADE BEAM BOTTOMS, 2" COVER IN THE BEAM SIDES AND TOP, 1-1/2" COVER IN THE SLAB TOP AND BOTTOMS, UNLESS NOTED OTHERWISE.
6. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE.
7. TENDONS AND BARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACING. NO TENDON WILL BE UNSUPPORTED FOR MORE THAN 4 FEET.
8. IF TENDON SHEATHING IS DAMAGED OR REMOVED FOR APPROXIMATELY 6" OR MORE IT SHOULD BE REPAIRED.
9. CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF THE TENDON ANCHORS.
10. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFF-SETS, BRICK LEDGES AND BLOCK CUTS ON ARCHITECTURAL PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE STRUCTURAL DRAWINGS WITH ALL OTHER DRAWINGS.
12. THE TENDON LOCATION AT THE END OF THE GRADE BEAM IS TO BE A "MINIMUM" OF 6" FROM THE TOP OF THE SLAB TO THE CGS OF THE TENDON.
13. TENDONS ARE TO BE FULLY STRESSED NO EARLIER THAN 6 DAYS AND NO LATER THAN 14 DAYS AFTER CONCRETE PLACEMENT. CONTRACTOR TO REMOVE ALL FORMWORK PRIOR TO STRESSING OF TENDONS.
14. LOADING OF THE SLAB PRIOR TO TENSIONING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTOR OF THE DESIGN ENGINEER.
15. ALTERATION TO OR DEVIATION FROM THE INFORMATION SHOWN ON THIS SHEET WITHOUT THE WRITTEN ADVANCE APPROVAL WILL VOID DESIGNERS RESPONSIBILITY.
16. ALL TENDONS TO BE 3/8" INCH IN DIAMETER (1/2" C.A.S. & L.E.S.)
17. STRESSING REQUIREMENTS:
 - A. 1/2" STRESS TO 33.0 KIPS - ANCHOR AT 28.9 KIPS
 - B. 3/8" STRESS TO 24.8 KIPS - ANCHOR AT 21.7 KIPS
 - C. 3/8" STRESS TO 18.4 KIPS - ANCHOR AT 16.1 KIPS
18. THIS PLAN IS FOR GRADE BEAM LOCATION AND TENDON LAYOUT ONLY.
19. ALL SUBGRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% MODIFIED PROCTOR DENSITY IN MAXIMUM LIFTS OF 6 INCHES.
20. EXCESSIVE CURING WATER SHALL BE MAINTAINED THROUGHOUT THE ENTIRE SLAB.
21. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
22. TENDONS, POCKET FORMERS, PLASTIC CHAIRS, ANCHORS, WEDGES TO BE USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SELECTED FOR PERFORMANCE FOR THIS DESIGN.