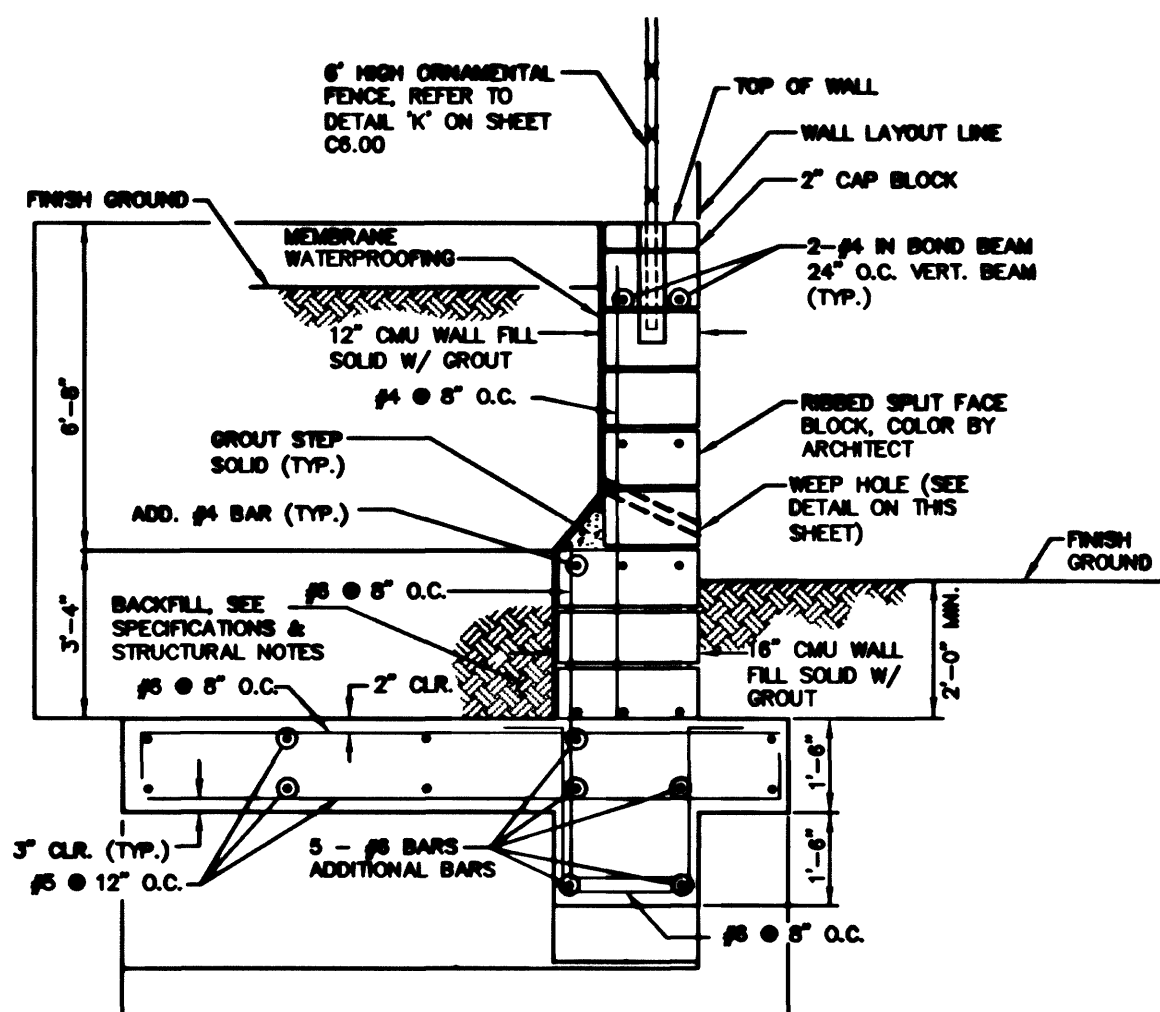
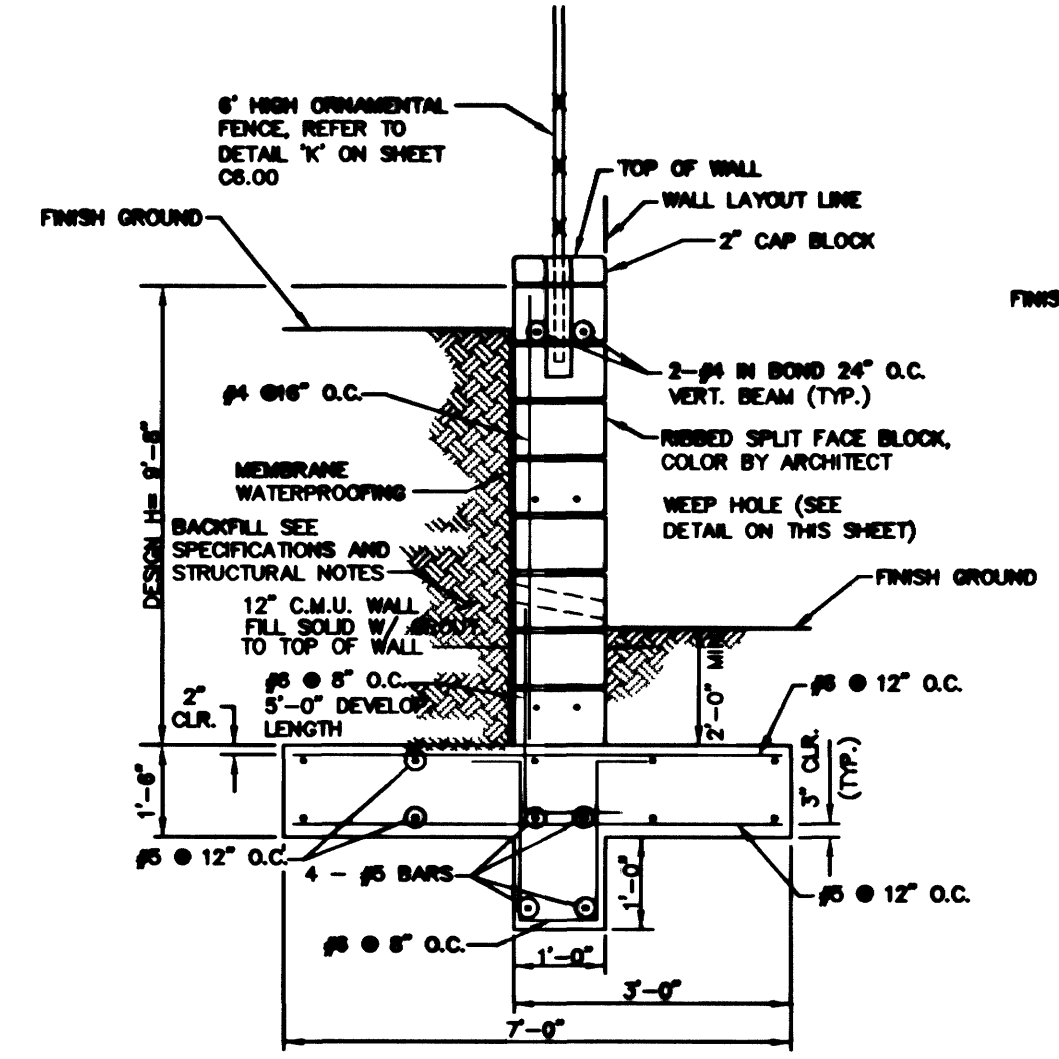
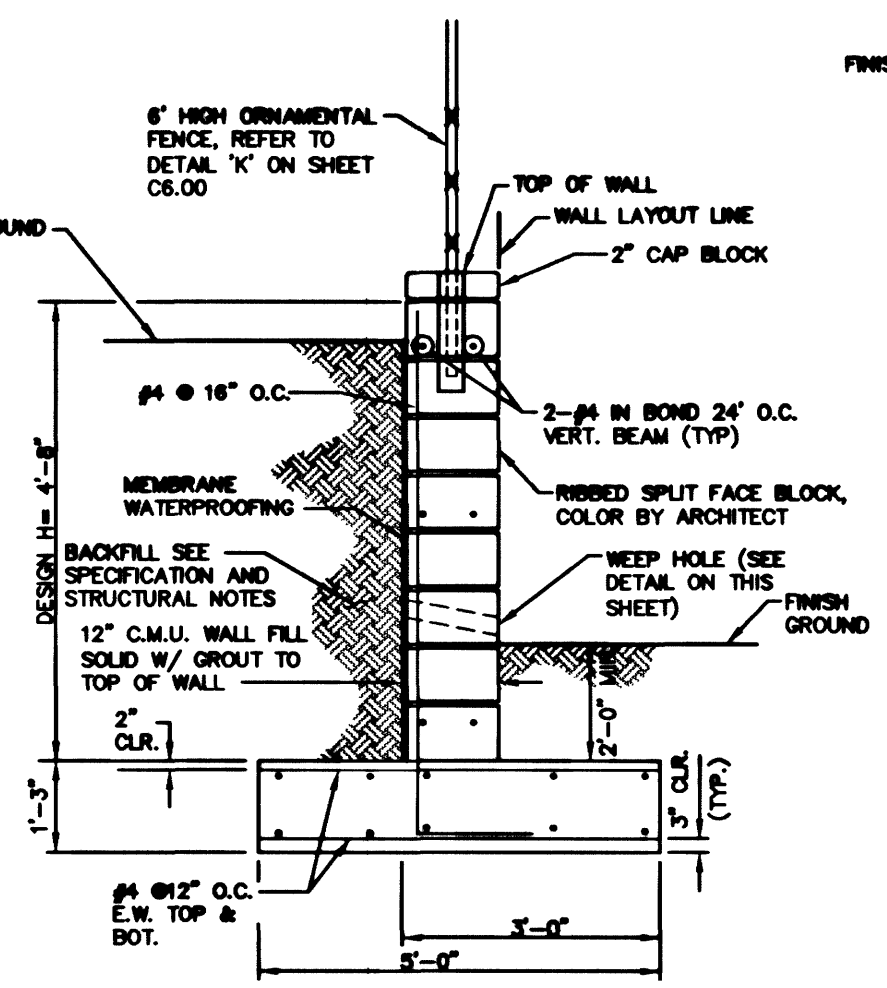




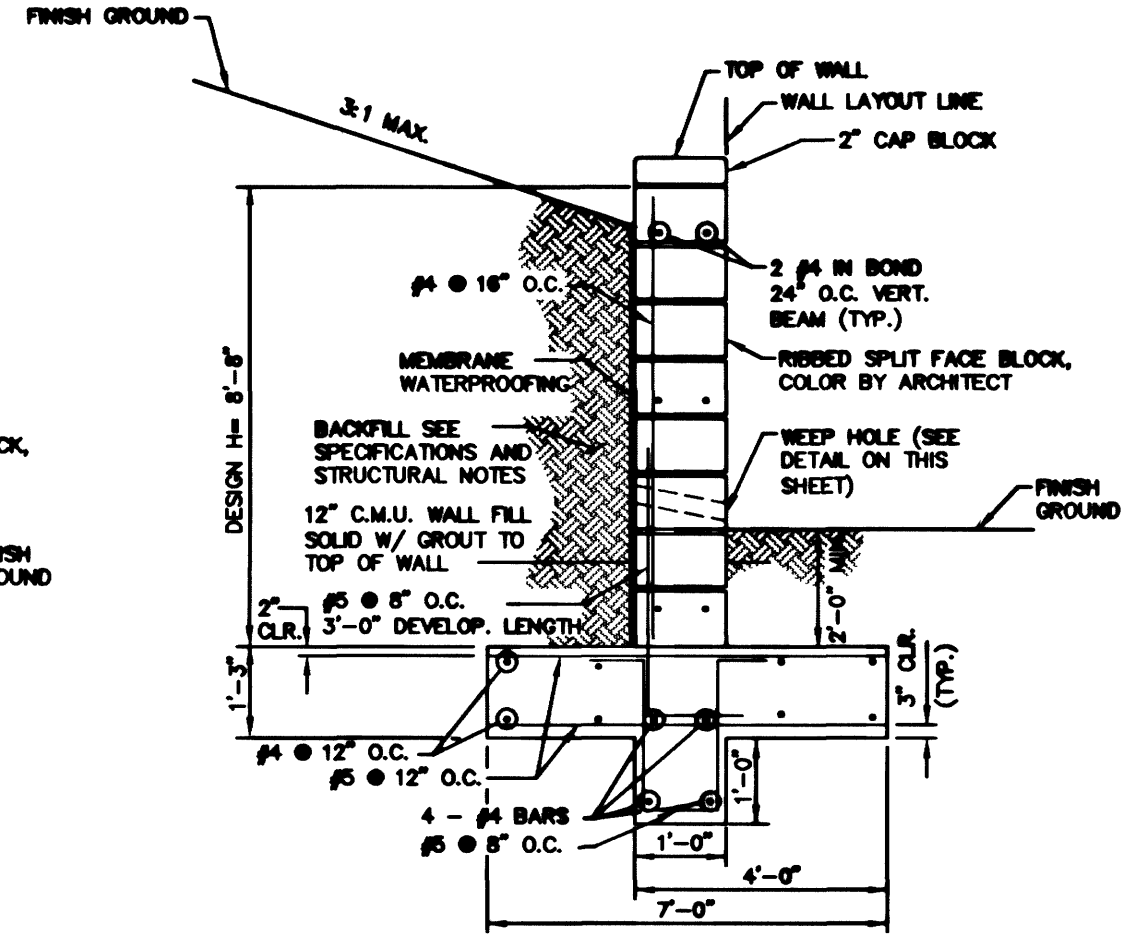
WALL 'A' STA 1+00 TO 1+99
WALL 'C' STA 1+00 TO 3+20
 NTS



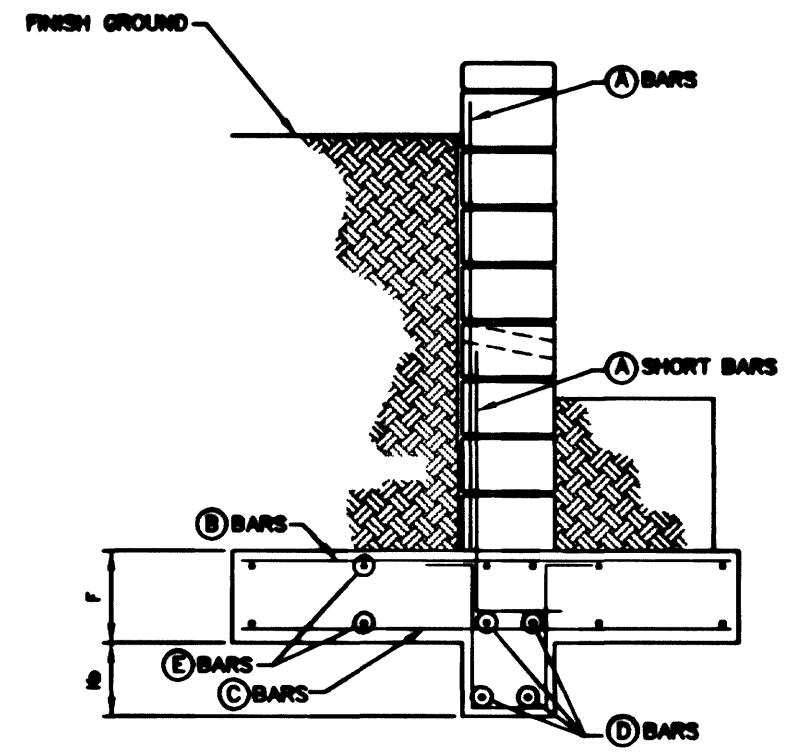
WALL 'A' STA. 1+99 TO 2+52
 NTS



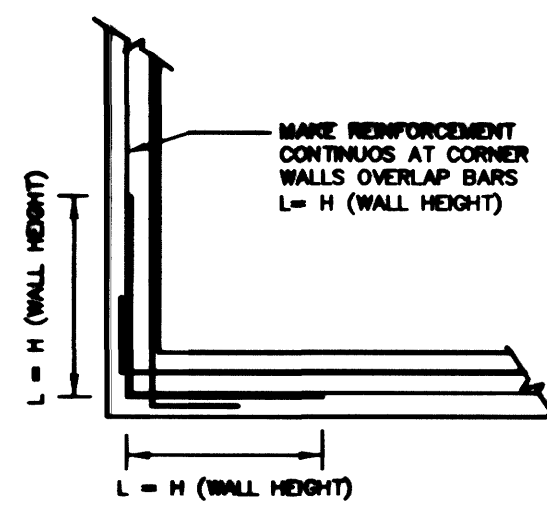
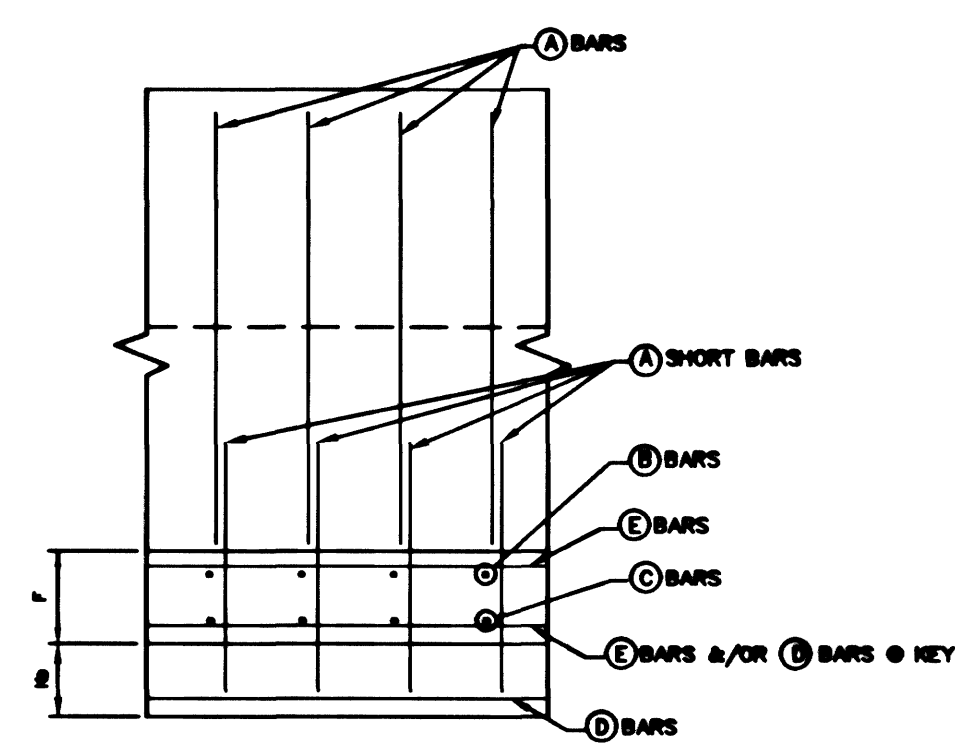
WALL 'B'
 NTS



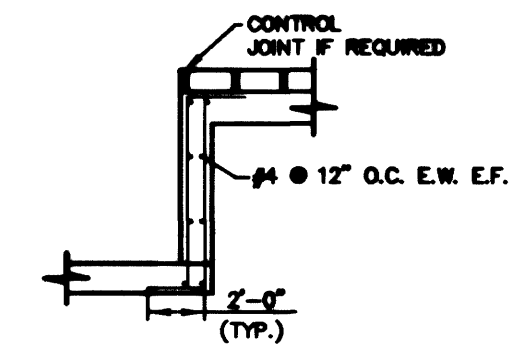
WALL 'D'
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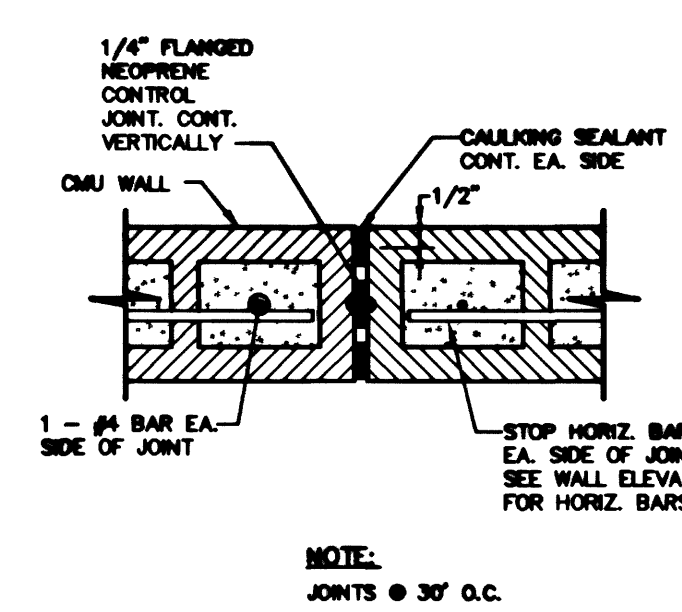
TYPICAL WALL SECTION AND ELEVATION
 NTS



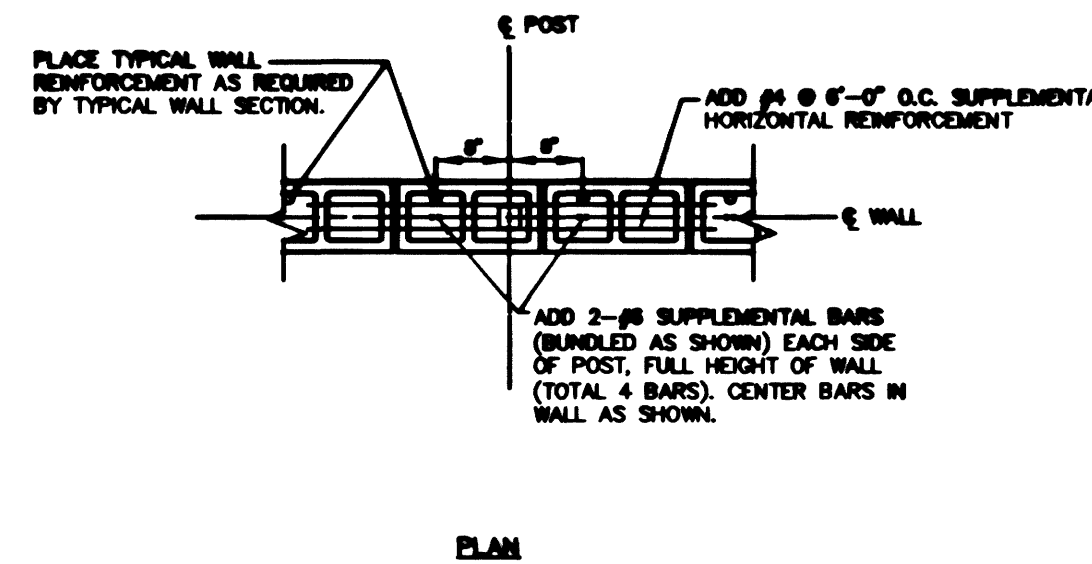
CORNER WALL DETAIL
 NTS



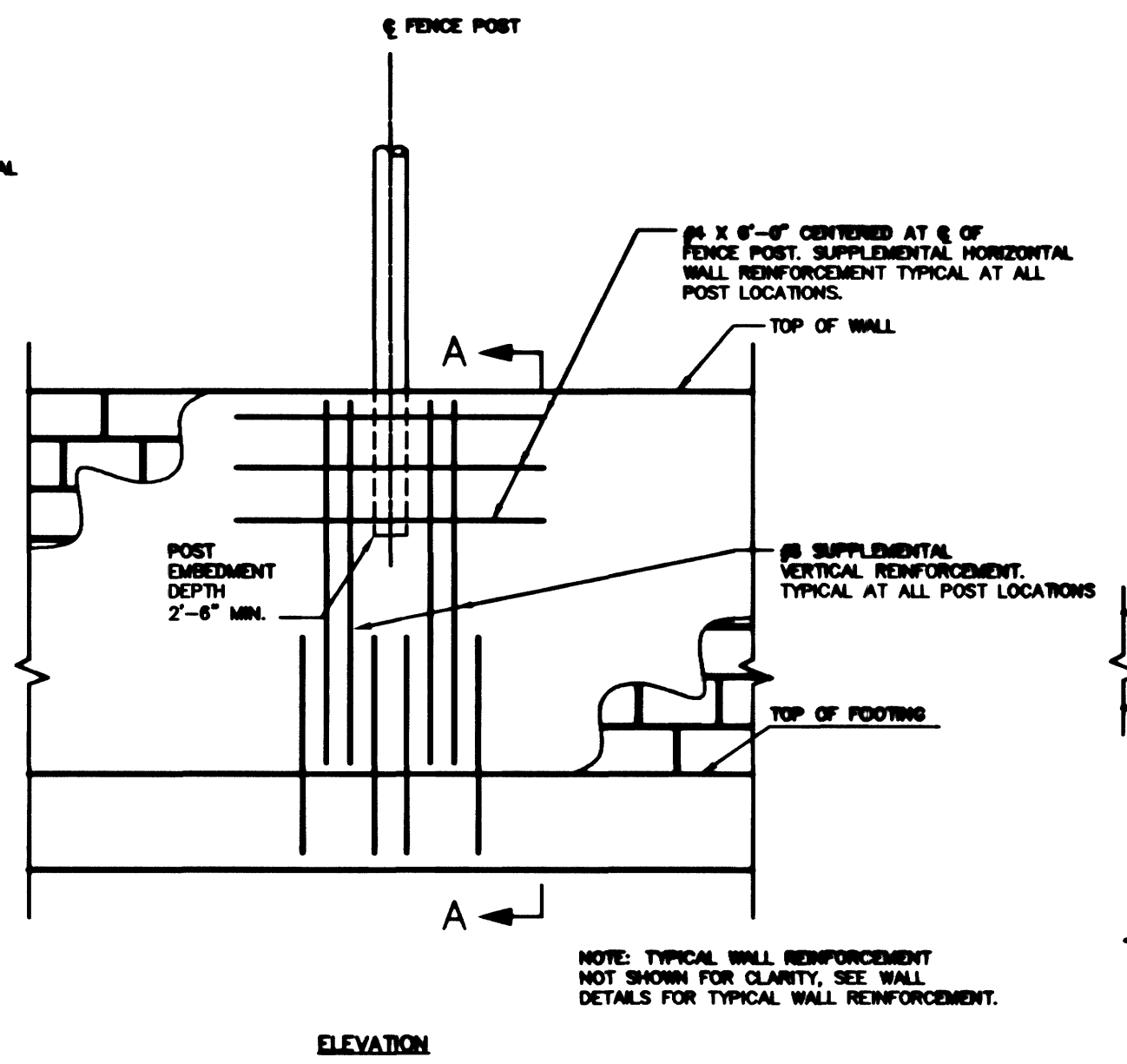
FOOTING STEP
 NTS



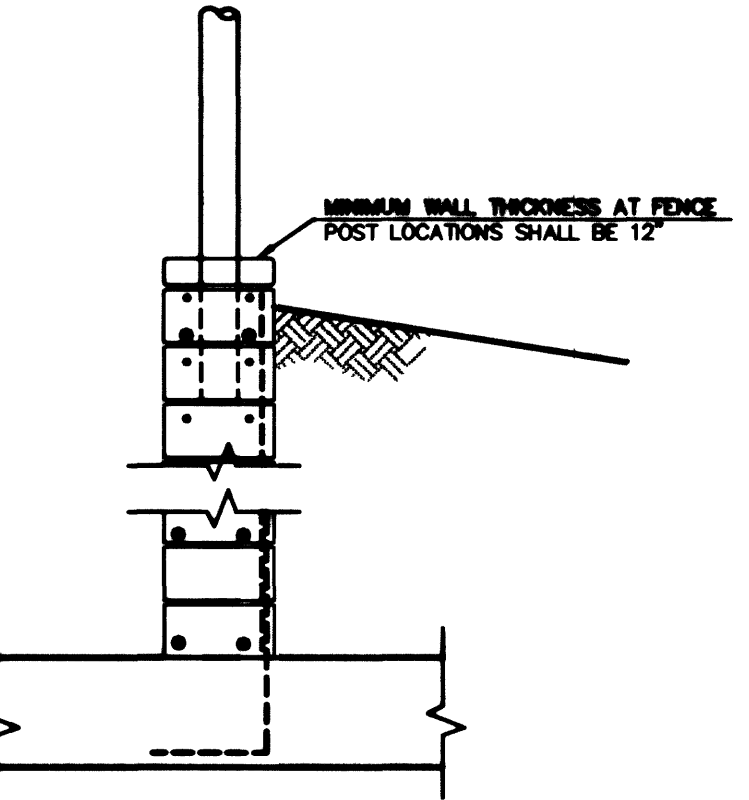
CMU WALL CONTROL JOINT
 NTS



PLAN



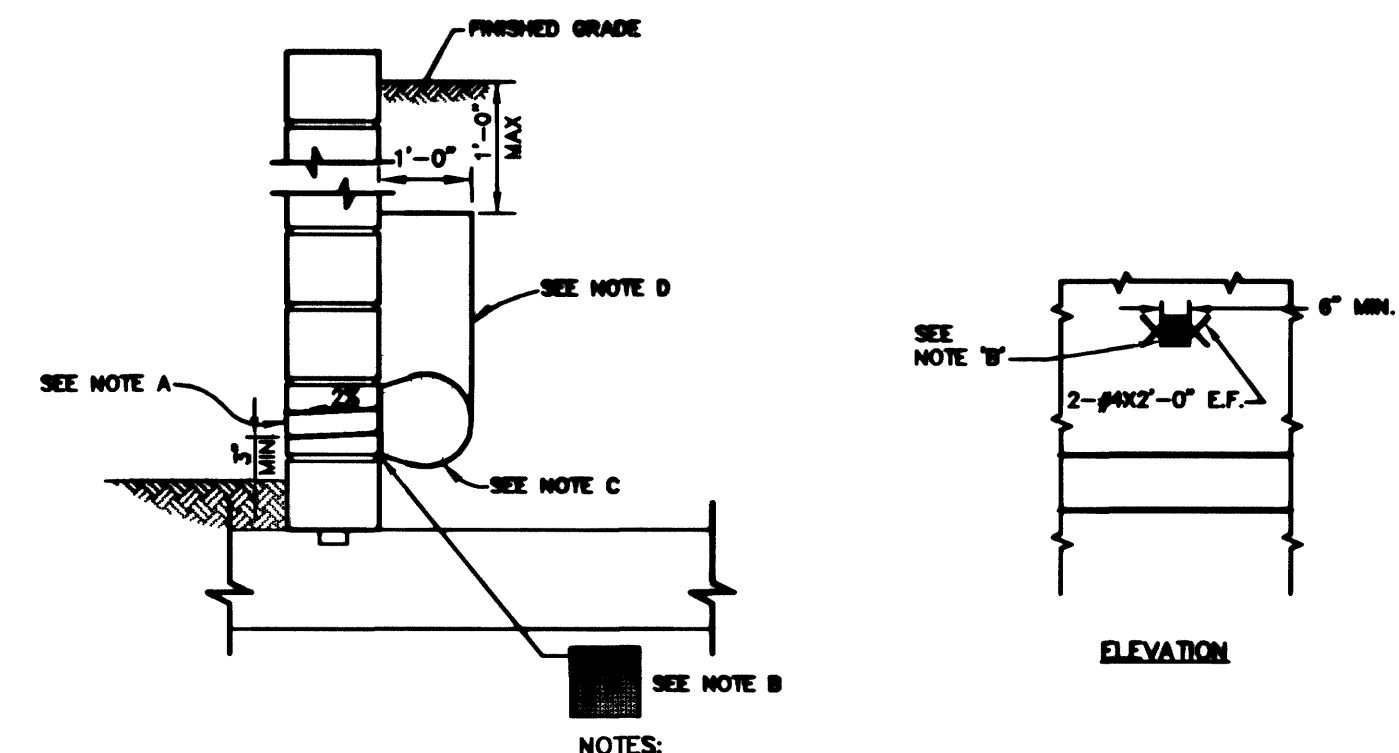
ELEVATION



TYPICAL SECTION A-A
 (AT FENCE POST)

LEGEND:
 • INDICATES SUPPLEMENTAL REINFORCEMENT
 • INDICATES TYPICAL WALL REINFORCEMENT
 --- INDICATES TYPICAL VERTICAL WALL REINFORCEMENT

POST EMBEDMENT DETAILS
 NTS



NOTES:

- 3\"/>

WEEP HOLE DETAIL
 NTS

GENERAL STRUCTURAL NOTES:

- REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. ARC WELDING OF REINFORCING STEEL SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARDS FOR REINFORCING STEEL.
- CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 4000 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150. (DESIGN BASED ON $f_c=4000$ psi) SPECIAL INSPECTION SHALL BE REQUIRED ON ALL WALLS AND FOOTINGS UNLESS OTHERWISE NOTED.
- MASONRY UNITS SHALL BE ASTM C-90, GRADE N-1 HOLLOW CONCRETE UNITS. MASONRY DESIGN STRENGTHS ARE AS FOLLOWS: $f_m=1500$ psi. FULL STRESSERS FOR MASONRY HAVE BEEN USED. SPECIAL INSPECTION SHALL BE REQUIRED PER THE 1997 UBC, SECTION 1701, UNLESS OTHERWISE NOTED.
- MORTAR SHALL BE ASTM C-270, TYPE "M" or "S" WITH A MINIMUM STRENGTH OF 1900 psi AT 28 DAYS.
- GROUT SHALL HAVE A MINIMUM STRENGTH OF 2000 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
- FOOTINGS SHALL BE CAST AGAINST NATIVE MATERIAL FOR FULL DEPTH OF THE FOOTING OR FOOTING SHALL BE COMPLETELY BACKFILLED AND COMPACTED PER SPECIFICATIONS, AND THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORT DESCRIBED IN NOTE 19, PRIOR TO PLACEMENT OF ANY BACKFILL BEHIND THE WALL.
- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION, AND PER STANDARD SPECIFICATION FOR CLARK COUNTY, NEVADA, BUILDING DEPARTMENT.
- ALL WALLS ARE SUBJECT TO APPROVAL BY CLV, NEVADA, BUILDING DEPARTMENT.
- SOLID GROUT ALL MASONRY UNITS THAT ARE BELOW THE HIGHEST FINISH GRADE OF THE WALL, OR AS SHOWN ON THE DRAWINGS.
- ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID.
- WHERE VERTICAL GROUT POIRS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, THE LIFTS SHALL BE TERMINATED 1 1/2\"/>
- CONTROL JOINTS IN RETAINING WALL SHALL BE LOCATED AT A MAXIMUM SPACING OF 30'-0\"/>
- JOINT REINFORCING AND BOND BEAMS SHALL NOT BE CONTINUOUS THROUGH WALL CONTROL JOINTS.
- WALLS SHALL BE STEPPED IN INCREMENTS OF NOT MORE THAN 2' UNLESS OTHERWISE SHOWN ON WALL PROFILE.
- IF THE ACTUAL HEIGHT OF THE WALL IS NOT LISTED, THE CONTRACTOR SHALL USE THE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL USED.
- WATERPROOFING: WATERPROOFING MEMBRANE SHALL BE APPLIED TO THE BACK OF THE RETAINING WALL SHALL BE A 24-MIL. Dimpled HOPE MEMBRANE. THE CONTRACTOR SHALL PROVIDE DELTA-MS AS MANUFACTURED BY COSELLA-DORKEN. APPLICATION OF THE DELTA-MS SYSTEM SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS, DETAILS, AND MATERIALS.
- BACKFILL BEHIND WALLS SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY PER ASTM D1557.
- PREPARATION OF FOUNDATION MATERIAL LOCATED BELOW THE BOTTOM OF WALL SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATION CONTAINED IN THE SOILS REPORT DESCRIBED IN NOTE 19 OF THESE PLANS.
- SOILS REPORT BY: "GRISHAM CONSULTING SERVICES INC." DATED 06/15/01
 (A) ALLOWABLE SOILS BEARING = 4500 PSF
 (B) ACTIVE PRESSURE (USED FOR DESIGN) = 45 PCF (EQUIVALENT FLUID DENSITY)
 (C) PASSIVE PRESSURE (USED FOR DESIGN) = 350 PCF
 (D) COEFFICIENT OF FRICTION = 0.30
- HEAVY CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED A DISTANCE OF AT LEAST 1/2\"/>

S U M M E R L I N
Q - THE SPORTS CLUB
 VILLAGE CENTER DRIVE
 SUMMERLIN, NEVADA

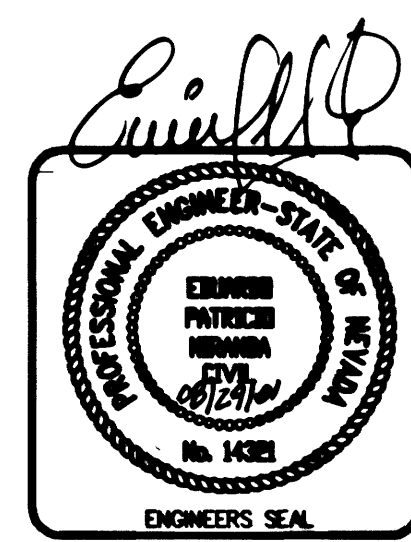
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RETAINING WALL DETAILS

PROJECT No. 511277	SHEET No.
DATE 03/24/01	C7.00
DRAWN BY J.L.M.	107-V3482
CHECKED BY E.P.M.	8 OF 9



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