



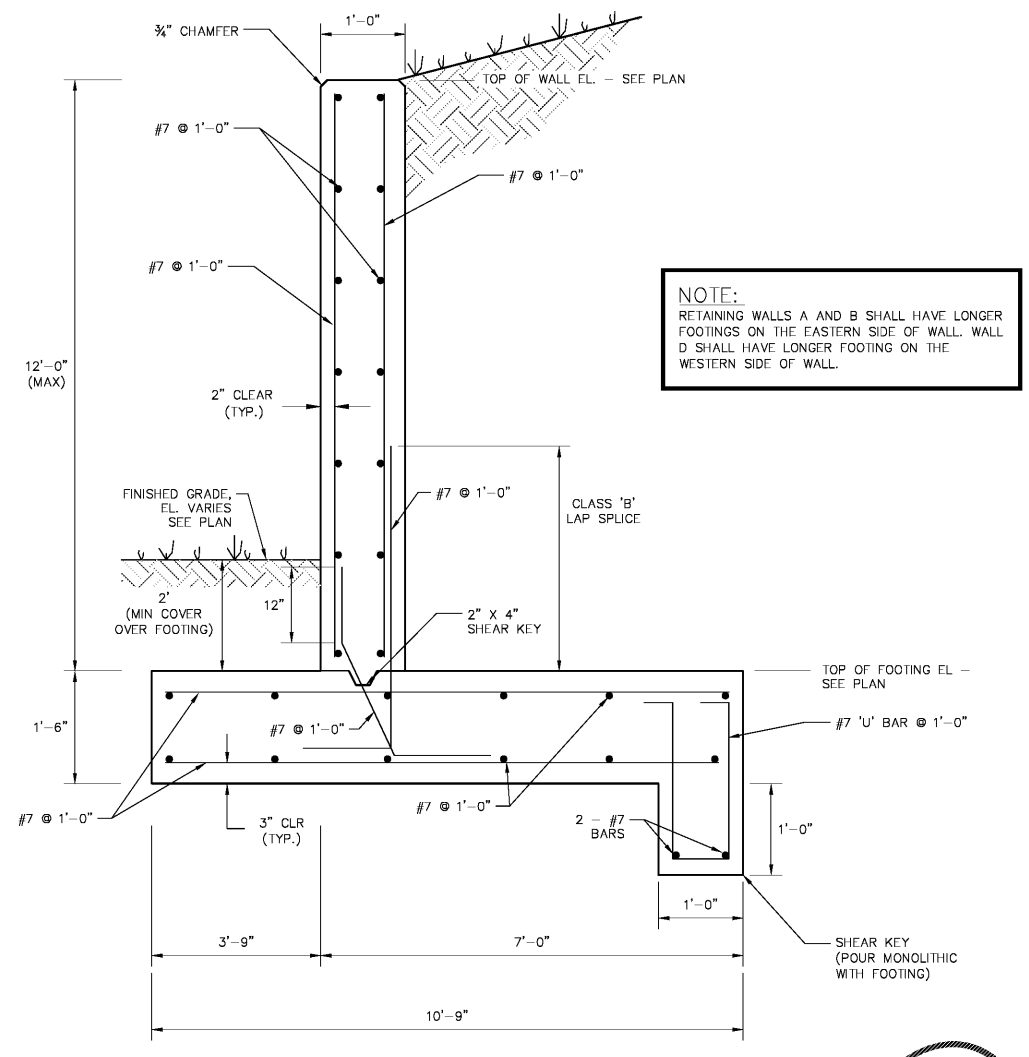
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S.Y. RICHARDS, ARCHITECT, INC.
MONROE, GEORGIA

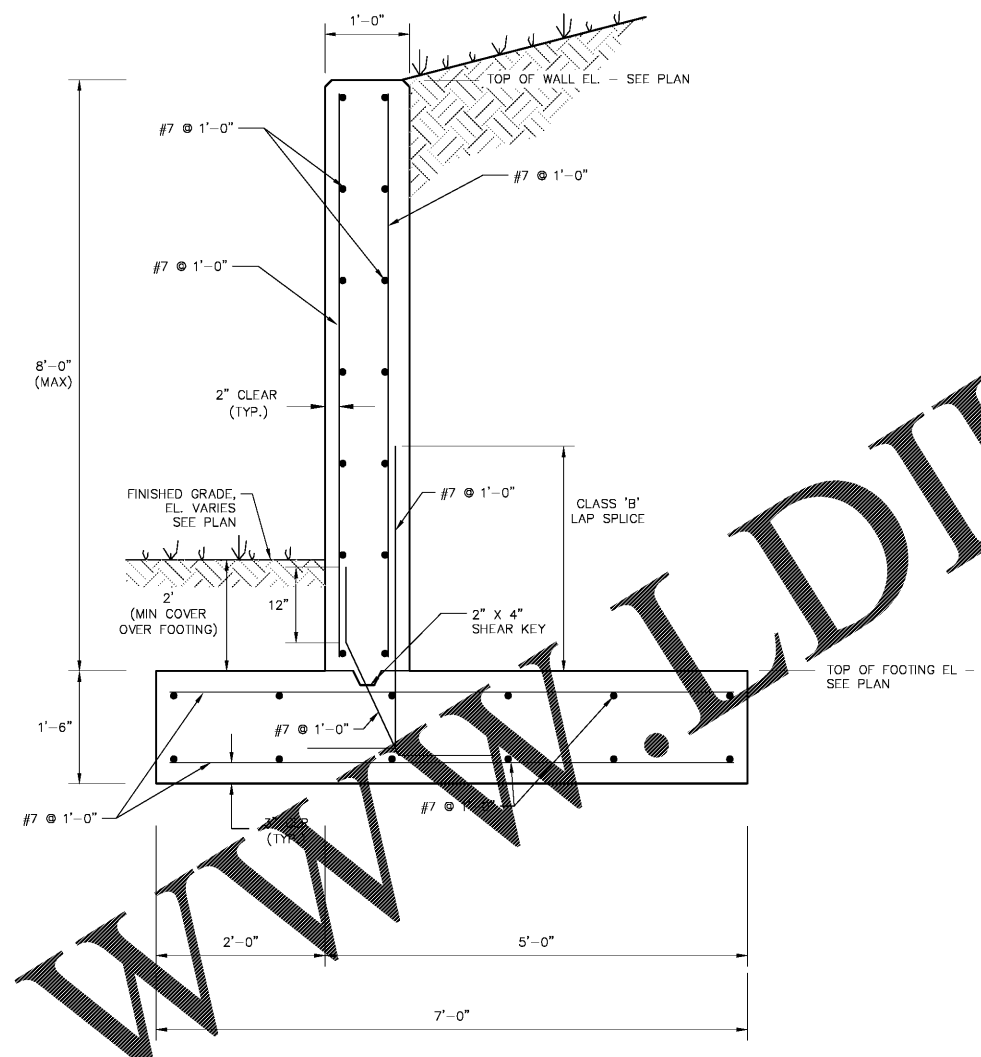
RETAINING WALL GENERAL NOTES:

- MATERIALS ARE TO BE AS FOLLOWS:
CONCRETE: $f'_c = 3,000$ PSI @ 28 DAYS
SLUMP = 4 INCHES
W/C RATIO = 0.40
TOTAL AIR CONTENT = $5 \frac{1}{2}$ (+/- 1 1/2 %)
MAXIMUM SIZE OF AGGREGATE = 3/8 INCH
REINFORCING STEEL: ASTM A615, GRADE 60
- ASSUMED SOIL PROPERTIES:
DENSITY = 120 PCF
ACTIVE EQUIVALENT FLUID PRESSURE = 45 PSF
PASSIVE EQUIVALENT FLUID PRESSURE = 390 PSF
FRICTION COEFFICIENT = 0.30
ALLOWABLE BEARING CAPACITY = 1,500 PSF
- NO GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED AT WALL LOCATION AND NO RECOMMENDATIONS ARE PROVIDED. ALL SOIL PROPERTIES ARE ASSUMED. CONTRACTOR TO VERIFY SOIL PROPERTIES IN THE FIELD AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL SOIL PROPERTIES.
- SEE SITE PLAN FOR WALL LOCATIONS AND OTHER INFORMATION.
- PRIOR TO CONSTRUCTION OF THE RETAINING WALL, THE CONTRACTOR SHALL CLEAR AND GRUB THE BACKFILL ZONE, REMOVING TOPSOIL, BRUSH, SOD OR OTHER ORGANIC OR DELETERIOUS MATERIALS.
- PROVIDE VERTICAL CONTROL JOINTS EVERY 20 FEET MAX. PROVIDE VERTICAL CONSTRUCTION JOINTS EVERY 100 FEET MAX.
- ALL C.I.P. CONSTRUCTION SHALL MEET REQUIRED TOLERANCES PER ACI 117, U.N.
- ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
- PROVIDE SHOP DRAWINGS FOR REINFORCING INCLUDING ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN PLACE.
- ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI 315). ALL HOOKS SHALL BE STANDARD HOOKS.
- STEP FOOTING AS NECESSARY, SEE DETAIL.
- ALL REINFORCEMENT SHALL BE CONTINUOUS AND NO SPLICES SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE ENGINEER OF RECORD. WHEN PERMITTED, SPLICES SHALL BE CLASS B TENSION LAP SPLICES, U.N.
- UNLESS NOTED, LAP SPLICES OF BARS ARE AS FOLLOWS:

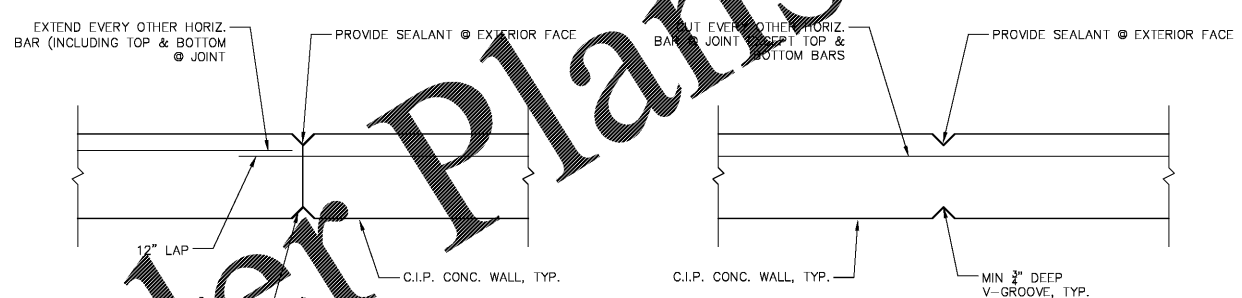
BAR	#4	#5	#6	#7	#8
LENGTH (INCHES)	32	39	47	69	79



WALL SECTION TYPE 1 DETAIL
N.T.S.

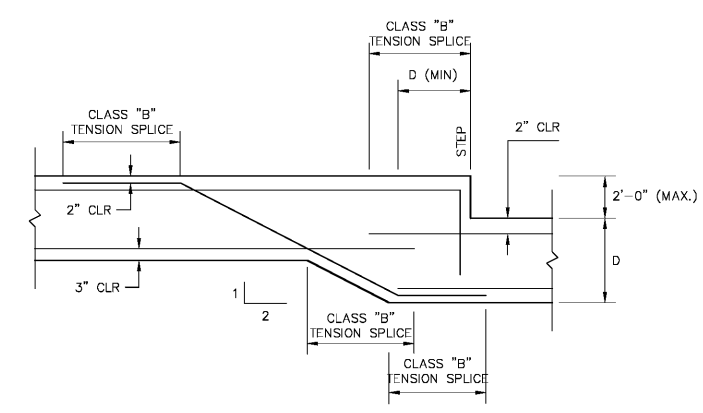


WALL SECTION TYPE 2 DETAIL
N.T.S.

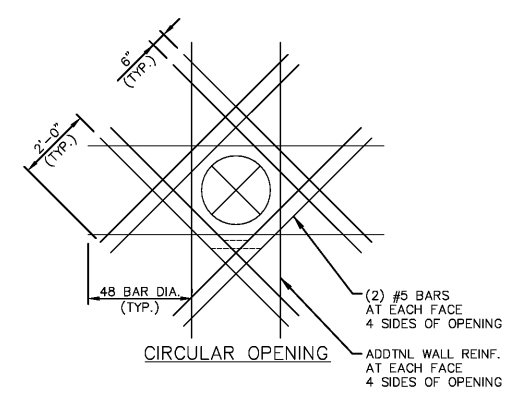


VERTICAL CONSTRUCTION JOINT DETAIL
N.T.S.

VERTICAL CONTROL JOINT DETAIL
N.T.S.



STEP FOOTING DETAIL
N.T.S.



ADDITIONAL REINFORCING AT
RETAINING WALL PENETRATION DETAIL
N.T.S.

NO.	DATE	REVISION

SOUTH TRANSPORTATION & MAINTENANCE FACILITY
FACILITIES AND TRANSPORTATION SERVICES DEPARTMENT
FULTON COUNTY, GEORGIA
FULTON COUNTY BOARD OF EDUCATION

S.Y. RICHARDS, ARCHITECT, INC.
MONROE, GEORGIA



SHEET TITLE:
RETAINING WALL DETAILS

DATE:
June 22, 2018

DESIGN CRD:
/

SHEET:
C-12A

OF:
ISSUED FOR:
PROPOSAL

Order Plans @