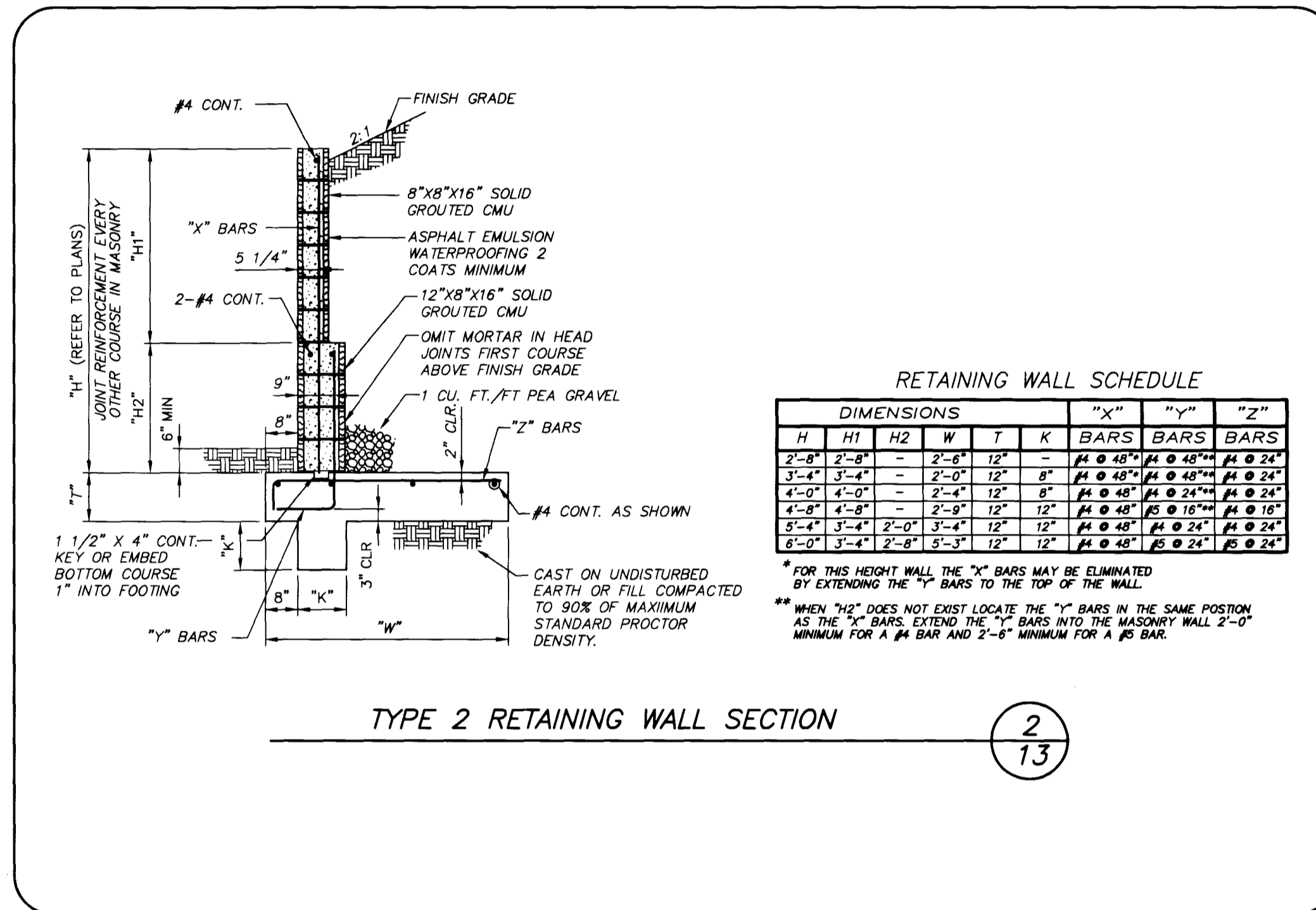


**RETAINING WALL SCHEDULE**

DIMENSIONS			"X"	"Y"	"Z"
H	W	T	BARS	BARS	BARS
2'-8"	2'-0"	12"	#4 @ 48"	#4 @ 48"	#4 @ 24"
3'-4"	2'-3"	12"	#4 @ 48"	#4 @ 48"	#4 @ 24"
4'-0"	2'-3"	12"	#4 @ 48"	#5 @ 48"	#4 @ 24"

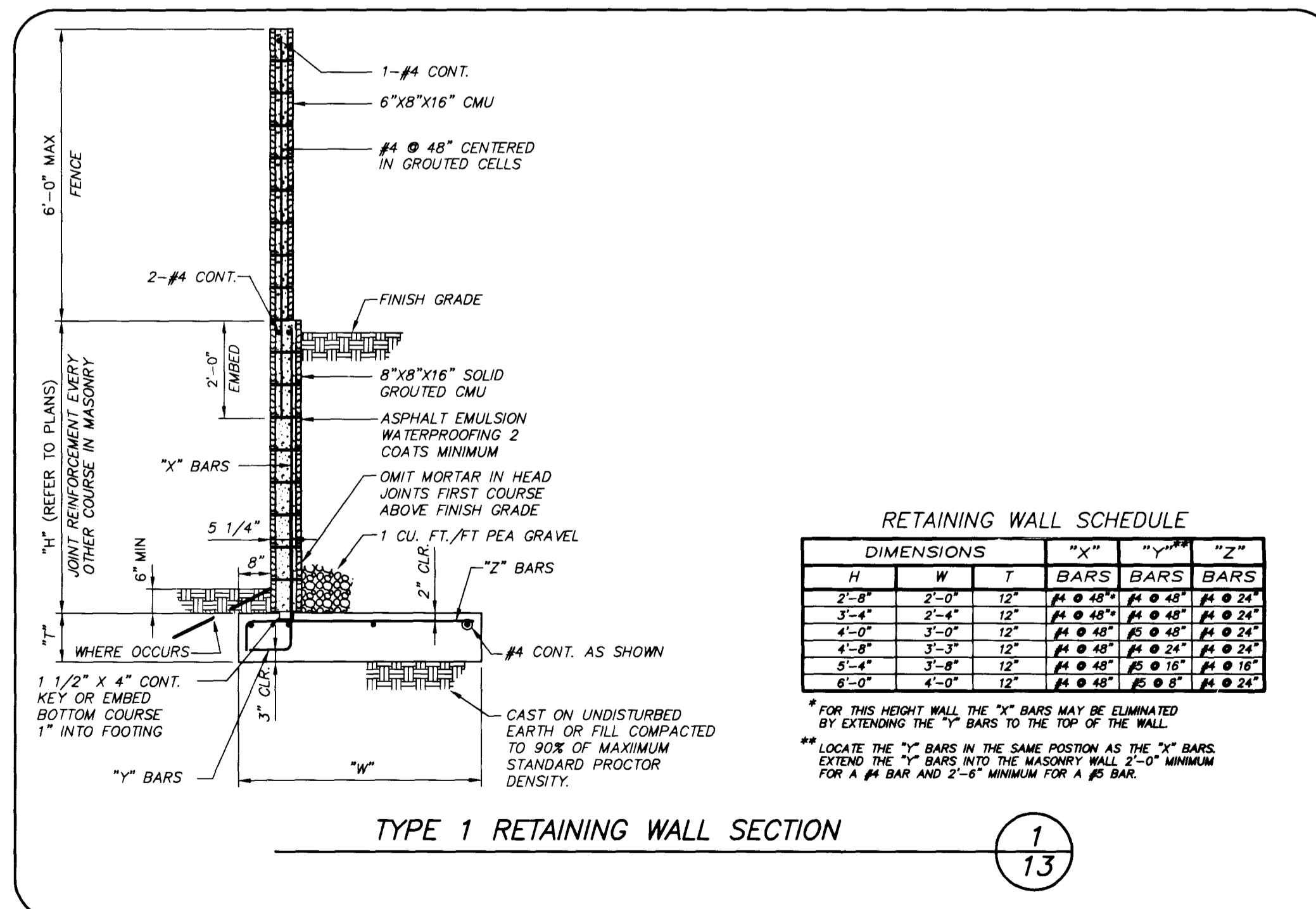
\* FOR THIS HEIGHT WALL THE "Y" BARS MAY BE ELIMINATED BY EXTENDING THE "X" BARS TO THE TOP OF THE WALL.  
 \*\* LOCATE THE "Y" BARS IN THE SAME POSITION AS THE "X" BARS. EXTEND THE "Y" BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR AND 2'-5" MINIMUM FOR A #5 BAR.



**RETAINING WALL SCHEDULE**

DIMENSIONS			"X"	"Y"	"Z"			
H	H1	H2	W	T	K	BARS	BARS	BARS
2'-8"	2'-8"	-	2'-0"	12"	-	#4 @ 48"	#4 @ 48"	#4 @ 24"
3'-4"	3'-4"	-	2'-0"	12"	8"	#4 @ 48"	#4 @ 48"	#4 @ 24"
4'-0"	4'-0"	-	2'-4"	12"	8"	#4 @ 48"	#4 @ 24"	#4 @ 24"
4'-8"	4'-8"	-	2'-9"	12"	12"	#4 @ 48"	#5 @ 18"	#4 @ 16"
5'-4"	5'-4"	2'-0"	3'-3"	12"	12"	#4 @ 48"	#4 @ 24"	#4 @ 24"
6'-0"	6'-0"	2'-8"	3'-1"	12"	12"	#4 @ 48"	#5 @ 24"	#5 @ 24"

\* FOR THIS HEIGHT WALL THE "Y" BARS MAY BE ELIMINATED BY EXTENDING THE "X" BARS TO THE TOP OF THE WALL.  
 \*\* WHEN "H2" DOES NOT EXIST LOCATE THE "Y" BARS IN THE SAME POSITION AS THE "X" BARS. EXTEND THE "Y" BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR AND 2'-5" MINIMUM FOR A #5 BAR.



**RETAINING WALL SCHEDULE**

DIMENSIONS			"X"	"Y"	"Z"
H	W	T	BARS	BARS	BARS
2'-8"	2'-0"	12"	#4 @ 48"	#4 @ 48"	#4 @ 24"
3'-4"	2'-4"	12"	#4 @ 48"	#4 @ 48"	#4 @ 24"
4'-0"	3'-0"	12"	#4 @ 48"	#5 @ 48"	#4 @ 24"
4'-8"	3'-3"	12"	#4 @ 48"	#4 @ 24"	#4 @ 24"
5'-4"	3'-8"	12"	#4 @ 48"	#5 @ 18"	#4 @ 16"
6'-0"	4'-0"	12"	#4 @ 48"	#5 @ 24"	#4 @ 24"

\* FOR THIS HEIGHT WALL THE "Y" BARS MAY BE ELIMINATED BY EXTENDING THE "X" BARS TO THE TOP OF THE WALL.  
 \*\* LOCATE THE "Y" BARS IN THE SAME POSITION AS THE "X" BARS. EXTEND THE "Y" BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR AND 2'-5" MINIMUM FOR A #5 BAR.

- NOTES:**
- MASONRY UNITS SHALL BE ASTM C-90, GRADE N-1 HOLLOW CONCRETE UNITS. MASONRY DESIGN STRESS IS AS FOLLOWS:  $f_m = 1500$  PSI (HALF STRENGTHS ARE USED UNLESS SPECIAL INSPECTION IS CALLED FOR).
  - MORTAR SHALL BE ASTM C270, TYPE "M" OR "S" WITH A MINIMUM STRENGTH OF 1800 PSI AT 28 DAYS.
  - GROUT SHALL HAVE A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
  - CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 3000 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150. (DESIGN BASED ON  $f_c = 2500$  PSI WITH NO SPECIAL INSPECTION).
  - REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
  - UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION, AND PER STANDARD SPECIFICATIONS FOR THE CITY OF LAS VEGAS, NEVADA.
  - SOLID GROUT ALL MASONRY UNITS BELOW HIGHEST FINISH GRADE AT THE WALL.
  - ALL WALLS ARE SUBJECT TO APPROVAL BY THE CITY OF LAS VEGAS, NEVADA BUILDING DEPARTMENT.
  - WALLS SHALL BE STEPPED ONLY AS SHOWN ON THE PLANS.
  - ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID.
  - HORIZONTAL JOINT REINFORCEMENT SHALL BE 9-GA. LADDER TYPE WITH LAP SPLICES OF 12" MINIMUM, INCLUDING CORNERS AND INTERSECTIONS.
  - BOND BEAMS AND JOINT REINFORCEMENT SHALL NOT BE CONTINUOUS THROUGH WALL CONSTRUCTION JOINTS.
  - WHERE VERTICAL GROUT LIFTS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, TERMINATE LIFT 1" BELOW TOP OF TOP BLOCK TO FORM A KEY FOR FUTURE LIFTS.
  - LOCATE KEVED JOINT IN RETAINING WALL AT A MAXIMUM SPACING OF 24'-0".
  - BACKFILL BEHIND WALLS SHALL BE COMPACTED TO 90% OF STANDARD PROCTOR DENSITY.
  - IF ACTUAL HEIGHT OF WALL IS NOT LISTED IN TABLE BELOW, USE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL LISTED.
  - PROJECT SOILS REPORT: TERRACON CONSULTANTS WESTERN, INC. PROJECT NO. 64985223 JUNE 28, 1996
- ALLOWABLE SOILS BEARING PRESSURE = 1500 psf (2000 psf W/18" MIN DEPTH BELOW FINISH GRADE)  
 SOIL ACTIVE PRESSURE = 35 psf (LEVEL)  
 SOIL PASSIVE PRESSURE = 250 psf/ft  
 COEFFICIENT OF FRICTION = 0.4

RECORD

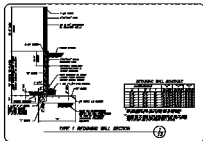
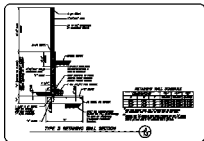
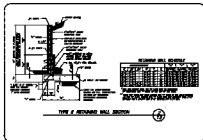
PROFESSIONAL ENGINEER STATE OF NEVADA  
 RUSSELL W. WALLACE  
 8255 P.E. NO. 111647  
 11/14/97 DATE

1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89102

G.C. WALLACE, INC.  
 Engineering/Architecture

COLEMAN HOMES  
 OAK HILLS AT SUMMERLIN  
 RETAINING WALL DETAILS

SHEET  
 13  
 OF 13 SHEETS



- NOTE:
1. RETAINING WALL SECTION
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REINFORCING BARS

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