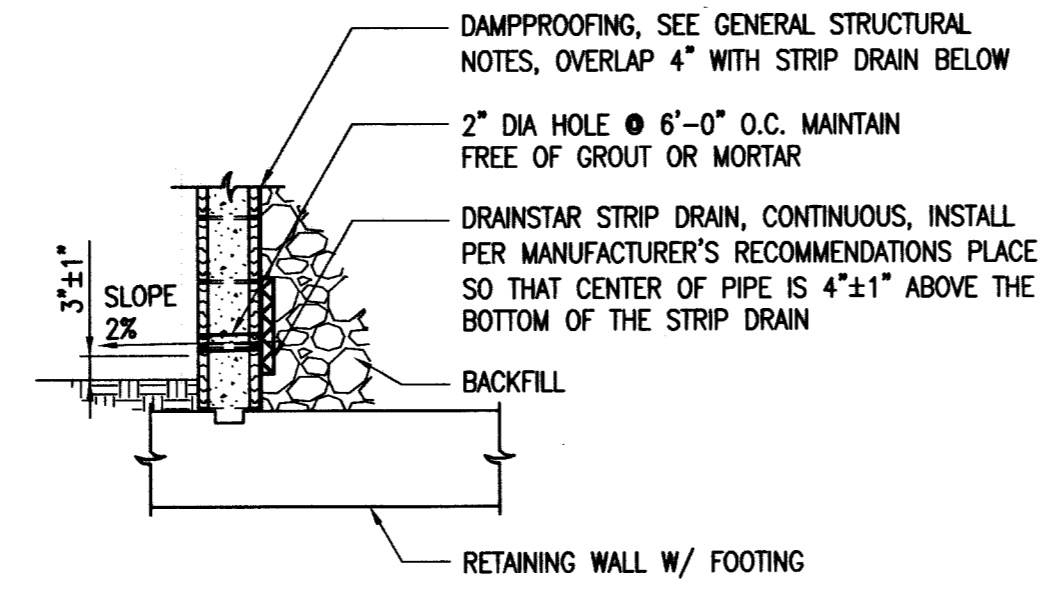
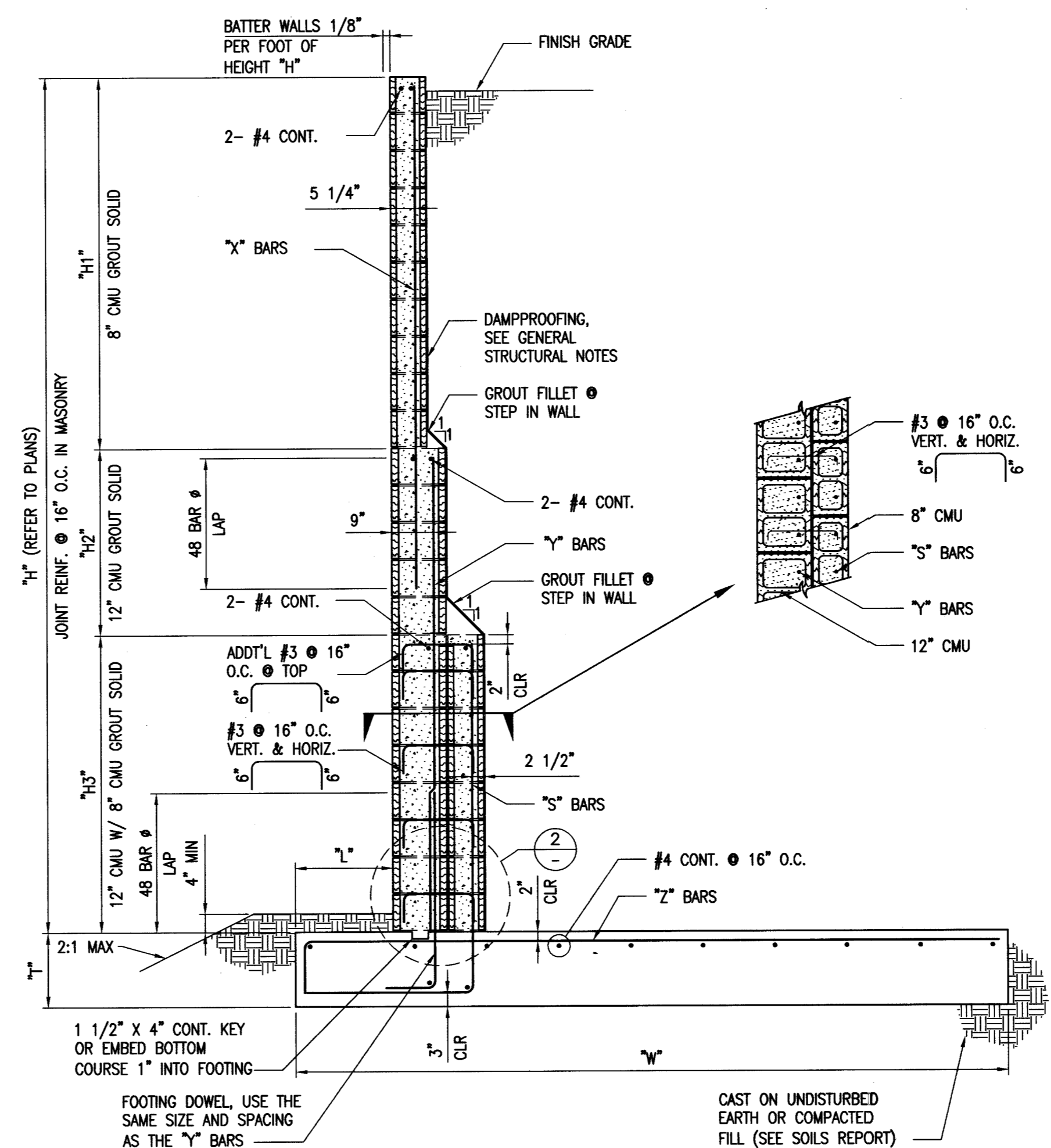


5 STEPPED FOOTING
 SCALE: NONE

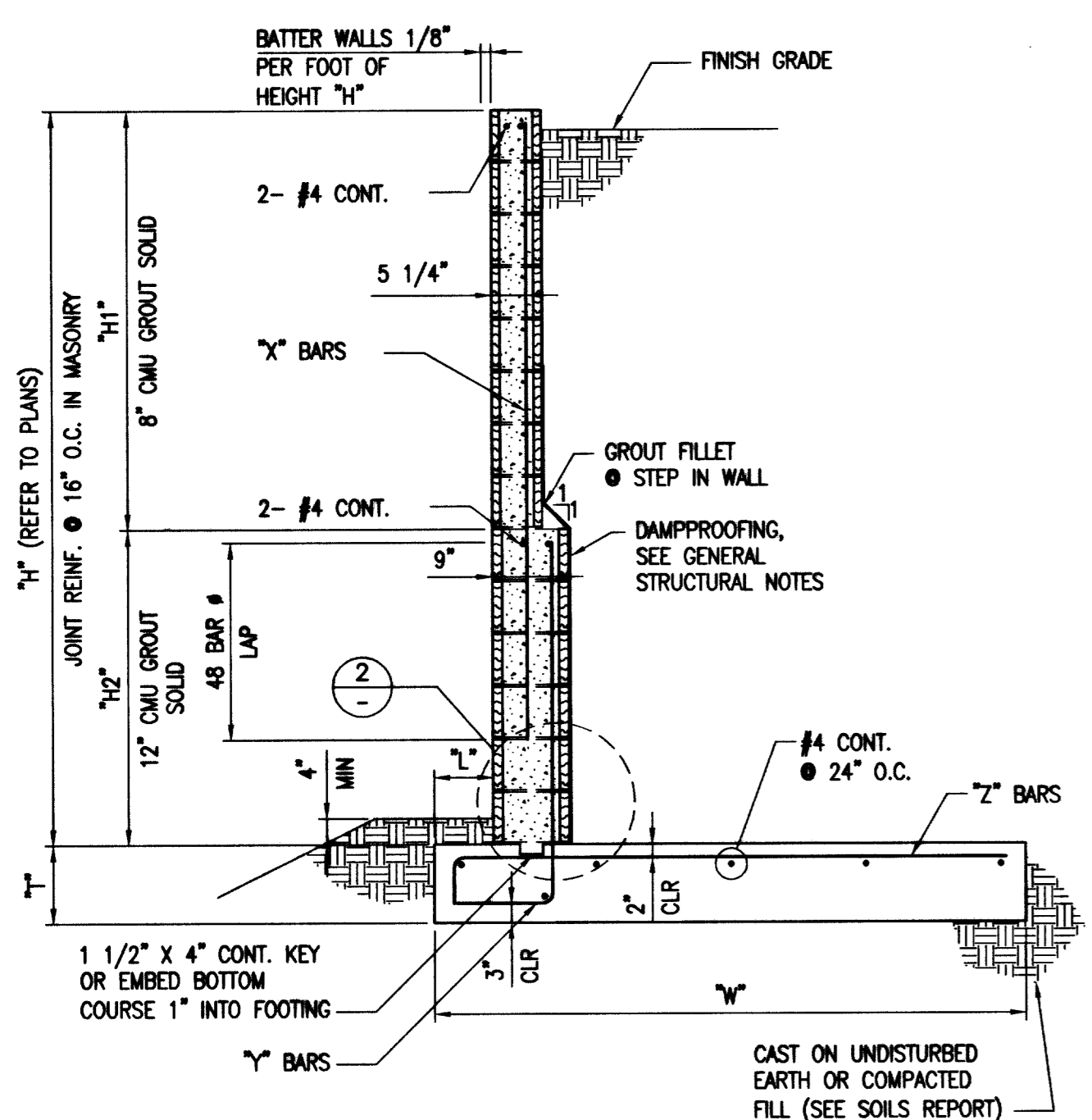


2 DRAIN DETAIL
 SCALE: 1/2" = 1'-0"

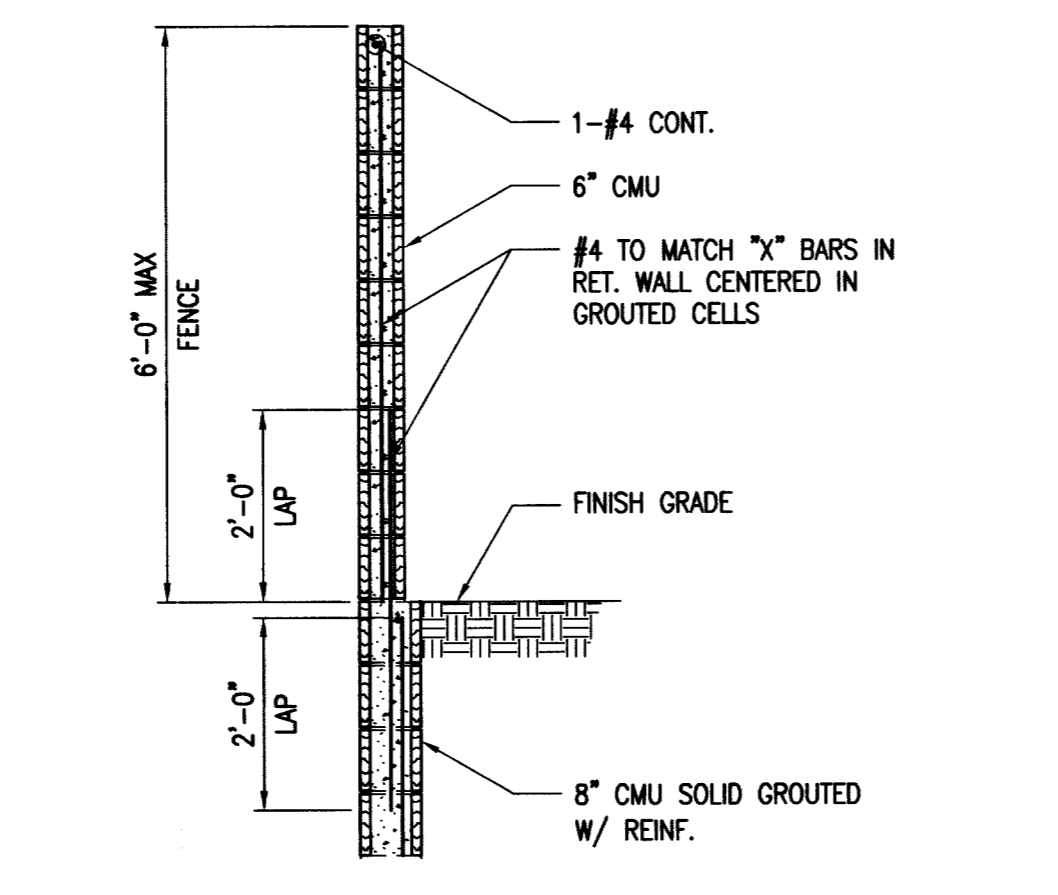


SPECIAL INSPECTION IS REQUIRED FOR WALLS OVER 6'-0"

DIMENSIONS						"X"	"Y"	"S"	"Z"
H	H1	H2	W	T	L	BARS	BARS	BARS	BARS
WALLS NOT REQUIRING SPECIAL INSPECTION									
2'-0"	2'-0"	-	2'-3"	12"	9"	#4 @ 48"	#4 @ 48"	-	#4 @ 24"
2'-8"	2'-8"	-	2'-8"	12"	9"	#4 @ 48"	#4 @ 48"	-	#4 @ 24"
3'-4"	3'-4"	-	3'-3"	12"	9"	#4 @ 48"	#4 @ 48"	-	#4 @ 24"
4'-0"	4'-0"	-	3'-8"	12"	9"	#4 @ 48"	#5 @ 48"	-	#4 @ 24"
4'-8"	4'-8"	-	4'-3"	12"	9"	#4 @ 48"	#4 @ 24"	-	#4 @ 24"
5'-4"	5'-4"	-	4'-8"	12"	9"	#4 @ 48"	#5 @ 16"	-	#4 @ 16"
6'-0"	6'-0"	-	5'-3"	12"	9"	#4 @ 48"	#5 @ 8"	-	#4 @ 16"
WALLS REQUIRING SPECIAL INSPECTION									
6'-8"	4'-0"	2'-8"	-	5'-8"	12"	9"	#5 @ 48"	#5 @ 24"	#4 @ 16"
7'-4"	4'-8"	2'-8"	-	6'-3"	12"	9"	#5 @ 48"	#5 @ 16"	#5 @ 16"
8'-0"	5'-4"	2'-8"	-	6'-8"	12"	9"	#5 @ 24"	#5 @ 8"	#5 @ 16"
8'-8"	6'-0"	2'-8"	-	7'-0"	12"	9"	#5 @ 8"	#5 @ 8"	#6 @ 16"
9'-4"	6'-8"	3'-4"	-	7'-8"	14"	9"	#6 @ 32"	#5 @ 8"	#6 @ 16"
10'-0"	6'-8"	3'-4"	-	8'-0"	14"	9"	#6 @ 24"	#6 @ 8"	#6 @ 16"
10'-8"	6'-0"	2'-0"	2'-8"	9'-0"	14"	1'-3"	#4 @ 16"	#4 @ 8"	#5 @ 8"
11'-4"	6'-0"	2'-8"	2'-8"	9'-6"	14"	1'-3"	#4 @ 16"	#4 @ 8"	#5 @ 8"
12'-0"	6'-8"	2'-8"	2'-8"	10'-0"	14"	1'-3"	#5 @ 16"	#5 @ 8"	#5 @ 8"
12'-8"	6'-8"	3'-4"	2'-8"	10'-4"	14"	1'-3"	#5 @ 16"	#5 @ 8"	#5 @ 8"
13'-4"	6'-8"	3'-4"	3'-4"	11'-0"	14"	1'-3"	#5 @ 16"	#5 @ 8"	#6 @ 8"
14'-0"	6'-8"	3'-4"	4'-0"	11'-3"	14"	1'-3"	#5 @ 16"	#5 @ 8"	#6 @ 8"
14'-8"	6'-8"	3'-4"	4'-8"	12'-0"	14"	1'-6"	#5 @ 16"	#5 @ 8"	#7 @ 8"
15'-4"	6'-8"	3'-4"	5'-4"	12'-9"	16"	1'-9"	#5 @ 16"	#5 @ 8"	#6 @ 8"



3 CONSTRUCTION JOINT DETAIL
 SCALE: NONE



4 BLOCK FENCE DETAIL
 SCALE: 1/2" = 1'-0"

SPECIAL INSPECTION IS REQUIRED FOR WALLS OVER 5'-4"

DIMENSIONS						"X"	"Y"	"Z"
H	H1	H2	W	T	L	BARS	BARS	BARS
WALLS NOT REQUIRING SPECIAL INSPECTION								
2'-0"	2'-0"	-	2'-3"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"
2'-8"	2'-8"	-	2'-8"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"
3'-4"	3'-4"	-	3'-3"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"
4'-0"	4'-0"	-	3'-8"	12"	9"	#4 @ 48"	#5 @ 48"	#4 @ 24"
4'-8"	4'-8"	-	5'-3"	12"	9"	#4 @ 48"	#4 @ 16"	#4 @ 24"
5'-4"	5'-4"	-	5'-6"	12"	9"	#4 @ 48"	#5 @ 8"	#4 @ 16"
WALLS REQUIRING SPECIAL INSPECTION								
6'-0"	3'-4"	2'-8"	6'-0"	12"	9"	#4 @ 48"	#5 @ 24"	#4 @ 16"
6'-8"	4'-0"	2'-8"	6'-3"	12"	9"	#5 @ 48"	#5 @ 16"	#4 @ 16"
7'-4"	4'-8"	2'-8"	6'-8"	12"	9"	#5 @ 32"	#5 @ 16"	#4 @ 16"
8'-0"	5'-4"	2'-8"	7'-0"	12"	9"	#5 @ 24"	#5 @ 8"	#5 @ 16"
8'-8"	5'-4"	3'-4"	7'-3"	12"	9"	#5 @ 24"	#5 @ 8"	#5 @ 16"
9'-4"	5'-4"	4'-0"	7'-6"	12"	9"	#5 @ 24"	#6 @ 8"	#6 @ 16"

* FOR THIS HEIGHT WALL THE "X" BARS MAY BE ELIMINATED BY EXTENDING THE "Y" 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, 2'-6" MINIMUM FOR A #5 BAR AND 3'-0" FOR A #6 BAR.

6 SPECIAL SIDE YARD RETAINING WALL DETAIL & SCHEDULE
 SCALE: 1/2" = 1'-0"

1 RETAINING WALL DETAIL & SCHEDULE
 SCALE: 1/2" = 1'-0"

GENERAL STRUCTURAL NOTES:

- REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
- CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 4,500 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150. (DESIGN BASED ON $f'_c=2,500$ PSI, NO SPECIAL INSPECTION IS REQUIRED)
- MASONRY UNITS SHALL BE ASTM C-90, GRADE N-1 HOLLOW CONCRETE UNITS. MASONRY DESIGN STRESS IS AS FOLLOWS: $f'_m=1,500$ PSI. FULL STRESSES ARE USED WHERE SPECIAL INSPECTION IS REQUIRED, HALF STRESSES ARE USED ELSEWHERE, SEE RETAINING WALL SCHEDULE. SPECIAL INSPECTION PER THE 1997 UBC SECTION 1701 SHALL BE PROVIDED AS REQUIRED.
- MORTAR SHALL BE ASTM C270, TYPE "M" OR "S" WITH A MINIMUM STRENGTH OF 1,800 PSI AT 28 DAYS.
- GROUT SHALL HAVE A MINIMUM STRENGTH OF 2,000 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
- HORIZONTAL JOINT REINFORCING, WHERE REQUIRED, SHALL BE 9-GA. LADDER TYPE WITH LAP SPICES OF 12" MINIMUM, INCLUDING CORNERS AND INTERSECTIONS.
- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION, AND PER STANDARD SPECIFICATIONS FOR THE CITY OF LAS VEGAS, NEVADA, BUILDING DEPARTMENT.
- ALL WALLS ARE SUBJECT TO APPROVAL BY THE CITY OF LAS VEGAS, NEVADA, BUILDING DEPARTMENT.
- SOLID GROUT ALL MASONRY UNITS THAT ARE BELOW THE HIGHEST FINISH GRADE AT THE WALL.
- ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID.
- WHERE VERTICAL GROUT POURS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, TERMINATE LIFT 1 1/2" BELOW TOP OF TOP BLOCK TO FORM A KEY FOR FUTURE LIFTS.
- LOCATE CONSTRUCTION JOINT IN RETAINING WALL AT A MAXIMUM SPACING OF 24'-0".
- BOND BEAMS AND JOINT REINFORCING SHALL NOT BE CONTINUOUS THROUGH WALL CONSTRUCTION JOINTS.
- WALLS SHALL BE STEPPED ONLY AS SHOWN ON THE PLANS.
- IF ACTUAL HEIGHT OF WALL IS NOT LISTED IN TABLE, USE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL LISTED.
- DAMPPROOFING: DAMPPROOFING SHALL BE AS FOLLOWS:
 - APPLY 40-MIL KOCH WATCHDOG DAMPPROOFING MEMBRANE, AS MANUFACTURED BY KOCH MATERIALS COMPANY, OVER SOIL SIDE OF RETAINING WALL. APPLICATION OF THE WATCHDOG DAMPPROOFING MEMBRANE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.
 - INSTALL KOCH DRAINSTAR DRAIN BOARD OVER KOCH WATCHDOG MEMBRANE FOR ALL RETAINING WALLS OVER 4'-8" HIGH. APPLICATION OF THE DRAIN BOARD SYSTEM SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS, DETAILS, AND MATERIALS.
- STRUCTURAL BACKFILL, AS OUTLINED IN THE GEOTECHNICAL REPORT, SHALL BE PLACED BEHIND WALLS AND COMPACTED.
- WHERE RETAINING WALLS ARE SHOWN ON PERIMETER STREETS, USE DECORATIVE BLOCK TO MATCH THOSE OF THE PERIMETER WALLS.
- SOILS REPORT PREPARED BY GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC., FILE NO. 20031642E1 DATED OCTOBER 28, 2003.

ALLOWABLE SOILS BEARING PRESSURE = 2,500 PSF
 SOIL ACTIVE PRESSURE = 35 PSF/FT (LEVEL)
 SOIL PASSIVE PRESSURE = 300 PSF/FT
 COEFFICIENT OF FRICTION = 0.40

NOTES:

- TESTING AGENCY SHALL SUPPLY G.C. WALLACE, INC., AND C.L.V. BUILDING DEPT. COPIES OF ALL SPECIAL INSPECTION REPORTS AND / OR CERTIFICATIONS.

