-BOND BEAM PER STANDARD POOL STRUCTURAL PLAN, (WALL W/ R.B.B.) DETAIL #1 & #12 W/ (4) #4 BARS. HORIZONTAL STEEL -#3 BARS @ 12" O.C. TYP. THROUGHOUT. TOP OF BOND BEAM -(STANDARD WALL) VERTICAL STEEL. SEE TABLE 551. - WATER LINE. D - DEPTH - OPTIONAL <u>d2</u> 3'-6" MA FILL -BEGINNING @ D = 5'-0" USE #3 BARS @ 12" O.C. POINT. BEGINNING @ D = 6'-0"OR MORE USE #4 BARS **@** 12" 0.C. - HORIZONTAL STEEL #3 BARS @ 12" O.C. TYP. THROUGHOUT. SLOPING CONDITION -REQUIRES APPROVAL OF SOILS ENGINEER. (UNDISTURBED SOIL) TABLE 551 TRANSITION WALL SQUARE-OFF WHEN NATURAL GRADE -OR ENGINEERED COMPACT FILL IS TO FLOOR STEEL & THICKNESS BELOW RADIUS POINT. VERTICAL STEEL. SEE TABLE 551. d1 & d2 TO BE CHANGED UNIFORMLY. SEE TABLE 551. **TABLE 551** 'D' OR 'H' IS DISTANCE FROM TOP OF POOL WALL DOWNWARD.
BEGIN SPECIFIED STEEL & GUNITE THICKNESS AT INDICATED 'D' OR 'H' DEPTH. TYPICAL REBAR

- COPING.

- TOP OF BOND BEAM

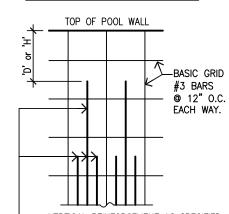
SEE DETAIL ORATIONS.

(SEE STANDARD STRUCTURAL PLAN, DETAIL #2)

	(022 011 112 1112 0					
POOL DEPTH	NO R	REQ'D				
D	d1	d2	VERTICAL STEEL	TRANS.		
0 to 3'6"	3"	3"	#3 @ 12"	2'-0"		
4'-0"	3"	3"	#3 @ 6"	2'-0"		
4'-6"	3"	3½"	"	2'-0"		
5'-0"	3½"	4½"	"	2'-0"		
5'-6"	4"	5½"	"	2'-0"		
6'-0"	4"	5½"	add 3 #4	2'-0"		
6'-6"	4"	5½"	"	2'-0"		
7'-0"	4"	5½"	"	2'-0"		
7'-6"	4"	5½"	"	2'-0"		
8'-0"	4"	6½"	"	2'-0"		
8'-6"	4"	7½"	"	2'-0"		

TOTAL HEIGHT	2'-6" MAX. RAISED BOND BEAM			REQ'D				
Н	d1	d2	VERTICAL STEEL	TRANS.				
0 to 3'6"	3"	3"	#3 @ 12"	2'-0"				
4'-0"	3"	3"	#3 @ 6"	2'-0"				
4'-6"	3"	3"	27	2'-0"				
5'-0"	3½"	3"	"	2'-0"				
5'-6"	4½"	3"	27	2'-0"				
6'-0"	4½"	3"	#3 @ 3"	2'-0"				
6'-6"	4½"	3"	27	2'-0"				
7'-0"	5"	3"	27	2'-8"				
7'-6"	6"	3"	"	2'-8"				
8'-0"	6"	3"	add 3 #4	2'-10"				
8'-6"	6"	3½"	27	2'-11"				
9'-0"	6½"	4"	27	3'-0"				
9'-6"	7"	5"	27	3'-2"				
10'-0"	8"	5½"	27	3'-2"				
10'-6"	8½"	6½"	27	3'-2"				
11'-0"	8½"	6½"	"	3'-2"				

## REINFORCING DIAGRAM



VERTICAL REINFORCEMENT AS SPECIFIED IN TABLE STARTS A DISTANCE 'D' OR 'H' DOWN FROM TOP OF POOL WALL. REINFORCEMENT OTHER THAN BASIC GRID NEED NOT EXTEND TO TOP OF POOL WALL. ADD BARS TO BE EQUALLY SPACED BETWEEN BASIC GRID.

HEIGHT

I

11'-0" MAX. TOTAL HEIGHT

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engineering inc.

BE USED IN CONJUNCTION POOL STRUCTURAL PLAN

THIS DETAIL TO BI WITH STANDARD

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.

ood

DATE: 12/20/10 CALCS BY: A.C.

CHECKED BY: R.L.L.

FREESTANDING WALL EXPANSIVE SOIL EQUIVALENT FLUID PRESSURE = 60 P.C.F.

**DETAIL #551**