

**MASONRY WALL SCHEDULE**  
1600 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS OR COMPACTED AND TESTED SOILS SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BATTER A	BASE WIDTH B	TOE B1	WALL THICKNESS T	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	FULLY MORTARED ZONE E	GRAVEL (BOTTOM) G1	GRAVEL (TOP) G2	GRAVEL G3	VOLUME STONE c/ft	VOLUME GRAVEL c/ft	BEARING CAPACITY
> 4'-0"	0'-8"	1'-7"	0'-0"	1'-7"	0'-9"	0'-4"	FULL MORTARED	1'-2"	2'-11"	2'-4"	7.2	3.2	1500 psf
5'-0"	0'-10"	2'-1"	0'-2"	1'-11"	1'-0"	0'-5"	0'-8"	1'-6"	3'-8"	3'-0"	11.1	6.2	1500 psf
6'-0"	1'-0"	2'-6"	0'-3"	2'-3"	1'-0"	0'-6"	0'-10"	1'-6"	4'-3"	3'-6"	15.3	9.4	1500 psf
7'-0"	1'-2"	2'-11"	0'-4"	2'-7"	1'-3"	0'-7"	0'-10"	1'-9"	5'-0"	4'-1"	20.9	13.9	1500 psf
8'-0"	1'-4"	3'-5"	0'-5"	3'-0"	1'-6"	0'-8"	1'-0"	2'-0"	5'-10"	4'-9"	28.2	19.4	1500 psf
9'-0"	1'-6"	3'-10"	0'-6"	3'-4"	1'-6"	0'-8"	1'-0"	2'-0"	6'-5"	5'-2"	34.7	24.5	1500 psf
10'-0"	1'-8"	4'-3"	0'-7"	3'-8"	1'-6"	0'-9"	1'-2"	2'-1"	7'-0"	5'-8"	42.0	30.1	1500 psf
11'-0"	1'-10"	4'-8"	0'-8"	4'-0"	1'-6"	0'-10"	1'-2"	2'-2"	7'-7"	6'-2"	49.9	36.3	1600 psf
12'-0"	2'-0"	5'-3"	0'-8"	4'-7"	1'-9"	0'-11"	1'-4"	2'-4"	8'-4"	6'-9"	63.0	44.8	1800 psf
13'-0"	2'-2"	5'-6"	0'-8"	4'-10"	1'-9"	1'-0"	1'-4"	2'-4"	8'-11"	7'-3"	71.3	52.0	1900 psf

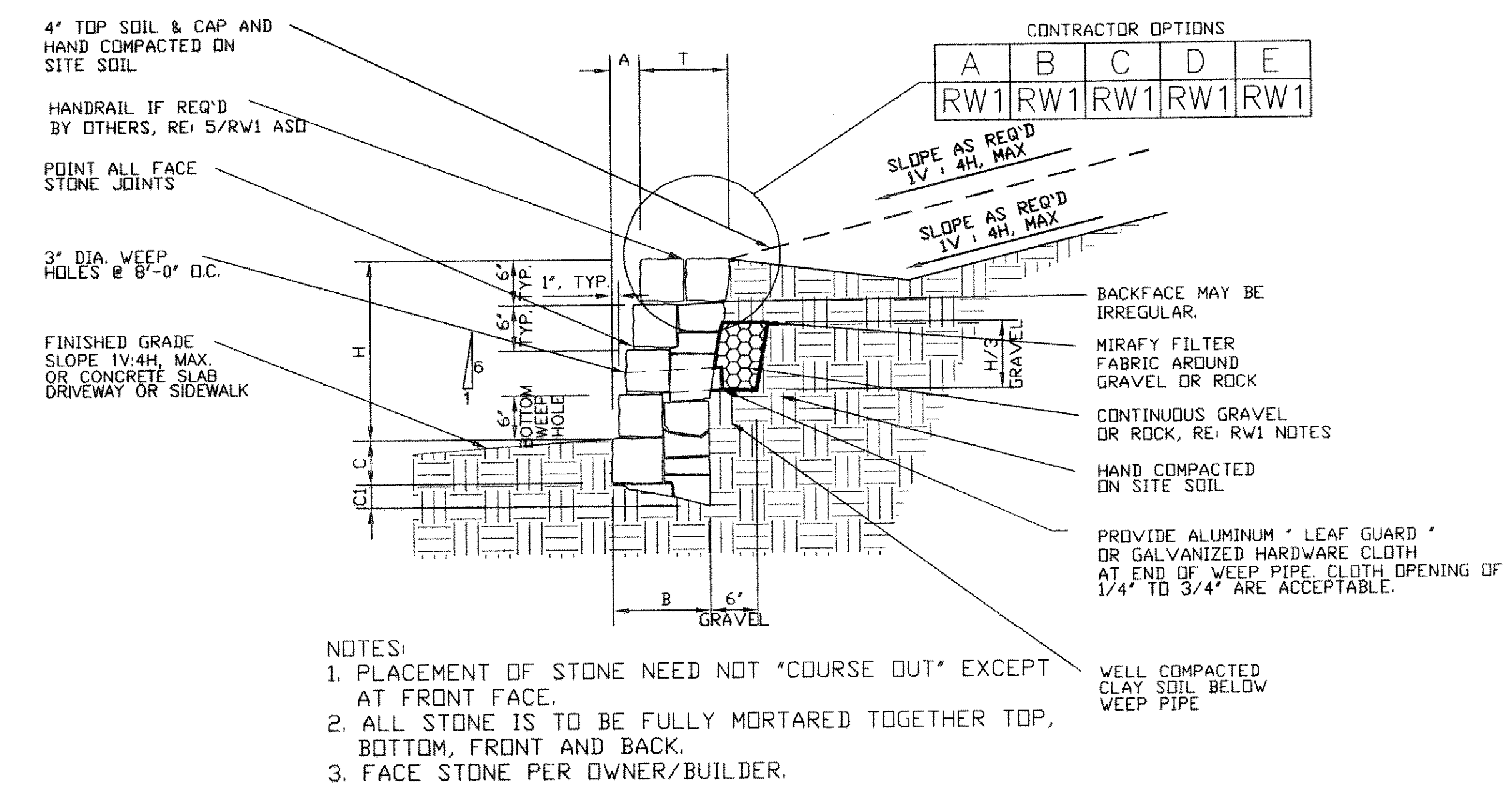
USE THIS SCHEDULE FOR 3/RW2

**MASONRY WALL SCHEDULE**  
2500 psf - BEARING CAPACITY (HARD NATURAL UNDISTURBED SOILS SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BATTER A	BASE WIDTH B	TOE B1	WALL THICKNESS T	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	FULLY MORTARED ZONE E	GRAVEL (BOTTOM) G1	GRAVEL (TOP) G2	GRAVEL G3	VOLUME STONE c/ft	VOLUME GRAVEL c/ft	BEARING CAPACITY
> 4'-0"	0'-8"	1'-5"	0'-0"	1'-5"	0'-9"	0'-3"	FULL MORTARED	1'-2"	2'-11"	2'-4"	6.5	3.2	2500 psf
5'-0"	0'-10"	1'-10"	0'-2"	1'-8"	0'-9"	0'-4"	0'-8"	1'-6"	4'-3"	3'-5"	9.3	5.7	2500 psf
6'-0"	1'-0"	2'-4"	0'-3"	2'-1"	1'-0"	0'-5"	0'-10"	1'-6"	4'-3"	3'-5"	14.2	9.4	2500 psf
7'-0"	1'-2"	2'-8"	0'-4"	2'-4"	1'-0"	0'-6"	0'-10"	1'-6"	4'-10"	3'-11"	18.3	13.0	2500 psf
8'-0"	1'-4"	3'-0"	0'-4"	2'-8"	1'-3"	0'-7"	1'-0"	1'-9"	5'-7"	4'-6"	24.2	18.2	2500 psf
9'-0"	1'-6"	3'-6"	0'-5"	3'-1"	1'-6"	0'-8"	1'-0"	2'-0"	6'-4"	5'-2"	32.0	24.2	2500 psf
10'-0"	1'-8"	3'-10"	0'-5"	3'-5"	1'-6"	0'-8"	1'-2"	2'-0"	6'-11"	5'-8"	38.8	29.8	2500 psf
11'-0"	1'-10"	4'-2"	0'-6"	3'-8"	1'-6"	0'-9"	1'-2"	2'-1"	7'-6"	6'-1"	45.4	35.8	2500 psf
12'-0"	2'-0"	4'-6"	0'-6"	3'-11"	1'-6"	0'-10"	1'-4"	2'-1"	8'-1"	6'-7"	52.4	42.3	2500 psf
13'-0"	2'-2"	4'-10"	0'-7"	4'-3"	1'-9"	0'-11"	1'-4"	2'-4"	8'-10"	7'-2"	62.5	57.2	2500 psf

USE THIS SCHEDULE FOR 3/RW2

**3** TYPICAL WALL SECTION, BEARING CLAY SOILS  
RW2 SLOPE SOILS ON THE TOP OF WALL 1V : 4H ( 14 deg ), MAX. 3/4" = 1'-0"

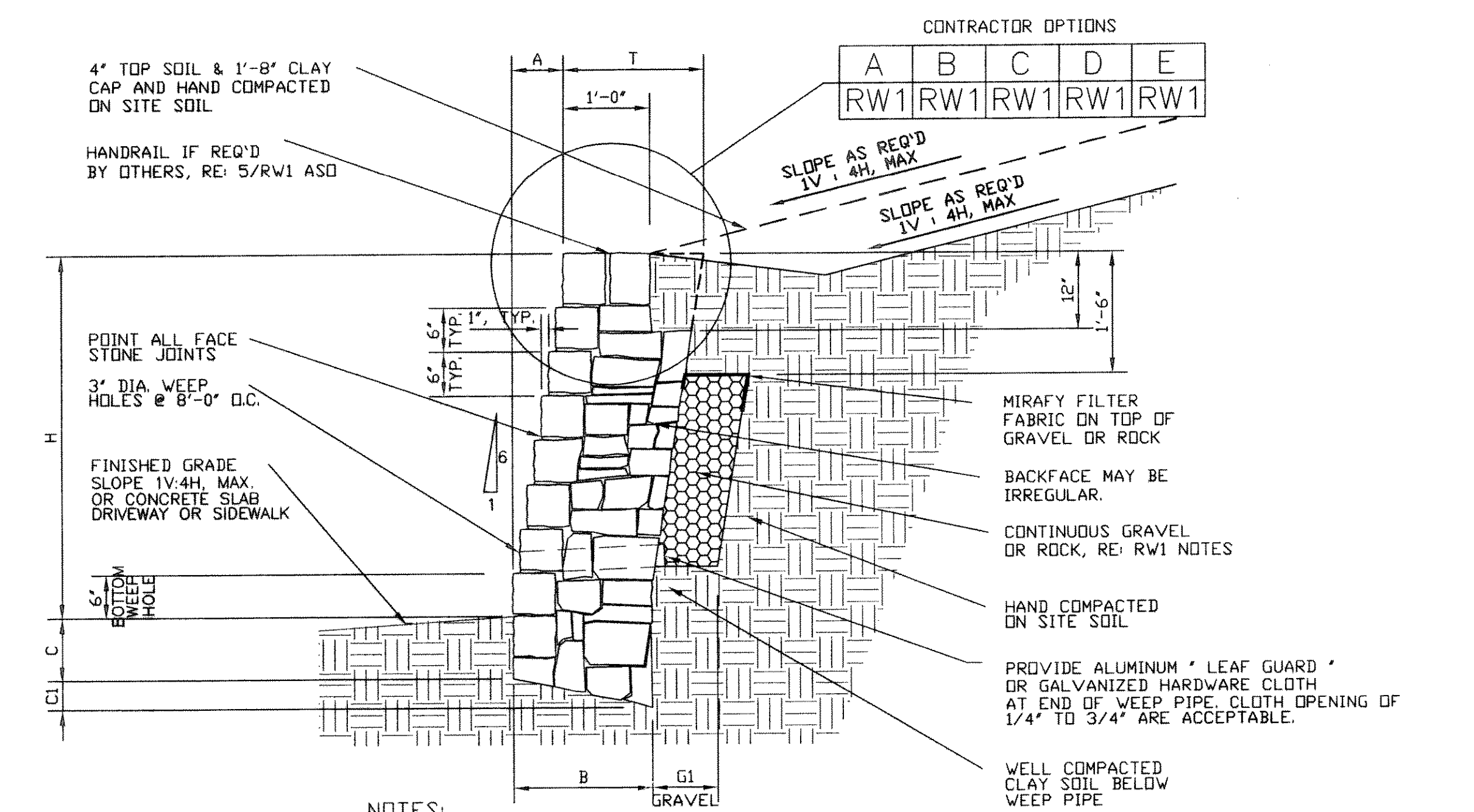


**MASONRY WALL SCHEDULE**

WALL HEIGHT H	BATTER A	BASE WIDTH B	WALL THICKNESS T	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	VOLUME STONE c/ft	VOLUME GRAVEL c/ft
1'-0" OR SMALLER	0'-2"	1'-0"	1'-0"	0'-6"	0'-3"	1.6	0.2
1'-6"	0'-3"	1'-0"	1'-0"	0'-6"	0'-3"	2.1	0.25
< 2'-0"	0'-4"	1'-0"	1'-0"	0'-6"	0'-3"	2.6	0.3

USE THIS SCHEDULE FOR 1/RW2

**1** TYPICAL WALL SECTION, "H" UP TO < 2'-0", ALL SOIL BEARING CONDITIONS  
RW2 SLOPE SOILS ON THE TOP OF WALL 1V : 4H ( 14 deg ), MAX. 3/4" = 1'-0"



**MASONRY WALL SCHEDULE**  
1600 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS OR COMPACTED AND TESTED SOILS SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BATTER A	BASE WIDTH B	WALL THICKNESS T	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	GRAVEL (BOTTOM) G1	VOLUME STONE c/ft	VOLUME GRAVEL c/ft
> 2'-0"	0'-6"	1'-0"	1'-0"	0'-6"	0'-3"	0'-6"	2.6	0.3
3'-0"	0'-6"	1'-3"	1'-3"	0'-9"	0'-3"	0'-6"	4.6	0.8
< 4'-0"	0'-8"	1'-7"	1'-7"	0'-9"	0'-4"	0'-9"	7.2	1.9

USE THIS SCHEDULE FOR 2/RW2

**2** TYPICAL WALL SECTION, "H" > 2'-0" TO < 4'-0" MAX., BEARING CLAY SOILS  
RW2 SLOPE SOILS ON THE TOP OF WALL 1V : 4H ( 14 deg ), MAX. 3/4" = 1'-0"

**MASONRY WALL SCHEDULE**  
2500 psf - BEARING CAPACITY (HARD NATURAL UNDISTURBED SOILS SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BATTER A	BASE WIDTH B	WALL THICKNESS T	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	GRAVEL (BOTTOM) G1	VOLUME STONE c/ft	VOLUME GRAVEL c/ft
> 2'-0"	0'-6"	1'-0"	1'-0"	0'-6"	0'-3"	0'-6"	2.6	0.3
3'-0"	0'-6"	1'-1"	1'-1"	0'-6"	0'-3"	0'-6"	3.8	0.8
< 4'-0"	0'-8"	1'-5"	1'-5"	0'-6"	0'-3"	0'-9"	6.5	1.9

USE THIS SCHEDULE FOR 2/RW2

**2** TYPICAL WALL SECTION, "H" > 2'-0" TO < 4'-0" MAX., BEARING CLAY SOILS  
RW2 SLOPE SOILS ON THE TOP OF WALL 1V : 4H ( 14 deg ), MAX. 3/4" = 1'-0"

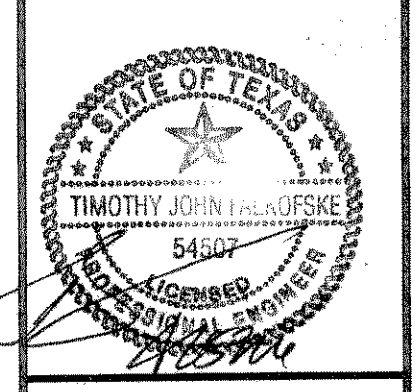
DATE	BY	NO.	DATE	REVISION
04-28-07	TJF			
04-28-08	YG			
04-28-08	TJF			

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**MASONRY RETAINING WALLS**  
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**ENGINEERED RETAINING WALL SYSTEMS, INC.**  
EULESS, TEXAS



JOB NO. 132.06  
**RW2**