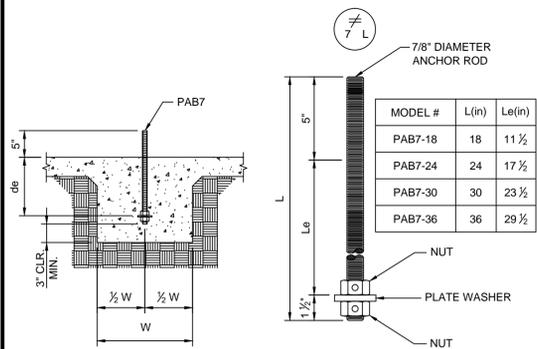
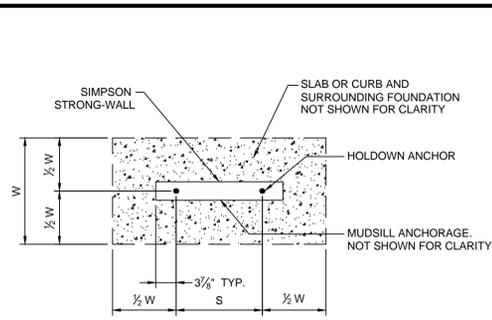


**SLAB ON GRADE FOUNDATION**      **CURB OR STEMWALL FOUNDATION**



**INTERIOR FOUNDATION**      **PAB7 ANCHOR BOLT**

NOTES:  
1. SEE 2-SW1 FOR DIMENSIONS AND ADDITIONAL NOTES.

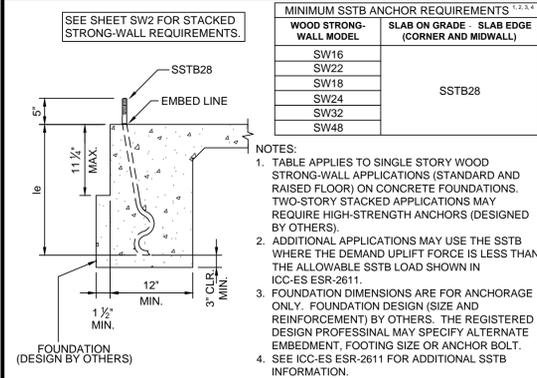


**FOUNDATION PLAN VIEW**

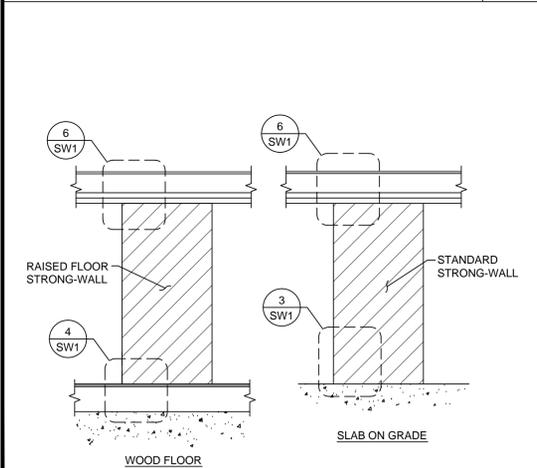
FOUNDATION DIMENSIONS FOR STRONG-WALL ANCHORAGE				
CONDITION	ASD ALLOWABLE UPLIFT (lbs)	W (in)	de (in)	db (in)
CRACKED	11,900	27	9	
	13,100	29	10	
UNCRACKED	12,500	24	8	
	13,100	25	9	
CRACKED	6,200	16	6	
	10,000	22	8	
UNCRACKED	12,900	26	9	
	13,100	27	9	
CRACKED	6,400	14	6	
	9,300	18	6	
UNCRACKED	12,500	22	8	
	13,100	23	8	

- NOTES:  
1. ANCHORAGE DESIGNS CONFORM TO ACI 318-11 APPENDIX D AND ASSUME MINIMUM f<sub>c</sub>=2,500 PSI CONCRETE, ASTM A307 OR ASTM F1554, GRADE 36 ANCHOR RODS AND NO SUPPLEMENTARY REINFORCEMENT. HIGH STRENGTH ANCHORAGE DESIGN BY OTHERS WHEN REQUIRED.  
2. SEISMIC INDICATES SEISMIC DESIGN CATEGORY C THROUGH F. DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC C MAY USE WIND ANCHORAGE SOLUTIONS. SEISMIC ANCHORAGE DESIGNS CONFORM TO ACI 318-11 SECTION D.3.3.4.  
3. WIND INCLUDES SEISMIC DESIGN CATEGORY A AND B.  
4. FOUNDATION DIMENSIONS ARE FOR ANCHORAGE ONLY. FOUNDATION DESIGN (SIZE AND REINFORCEMENT) BY OTHERS. THE REGISTERED DESIGN PROFESSIONAL MAY SPECIFY ALTERNATE EMBEDMENT, FOOTING SIZE OR ANCHOR BOLT.  
5. FOR ANCHORAGE SOLUTIONS USING SSTB. SEE ICC-ES ESR-2611.

**ANCHORAGE - TYPICAL SECTIONS**      **1**

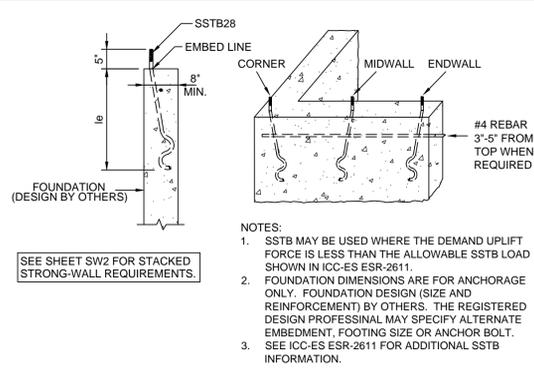


**SSTB ANCHORAGE (SLAB ON GRADE)**      **9**

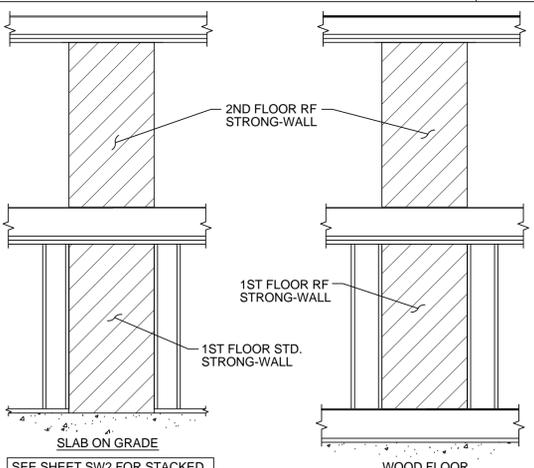


**SINGLE STORY STRONG-WALL**      **11**

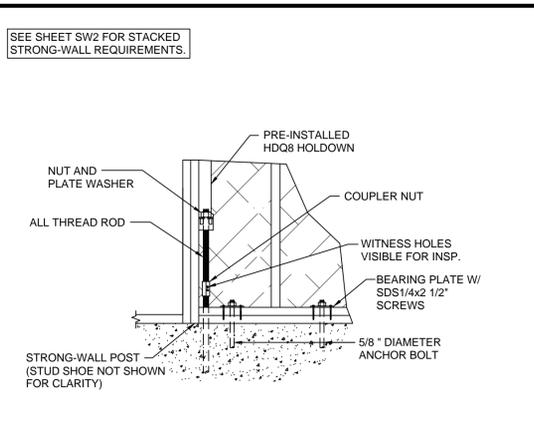
**ANCHORAGE SCHEDULE**      **2**



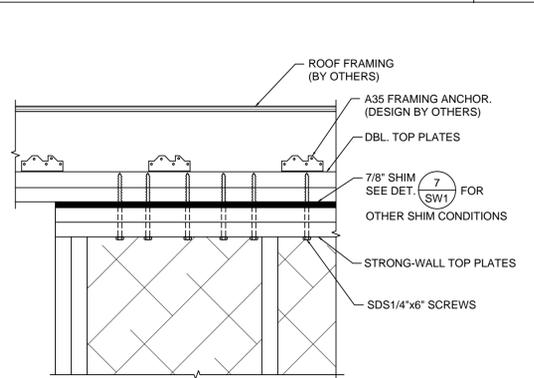
**SSTB ANCHORAGE (CONC. STEM WALL)**      **10**



**STACKED STRONG-WALL**      **12**

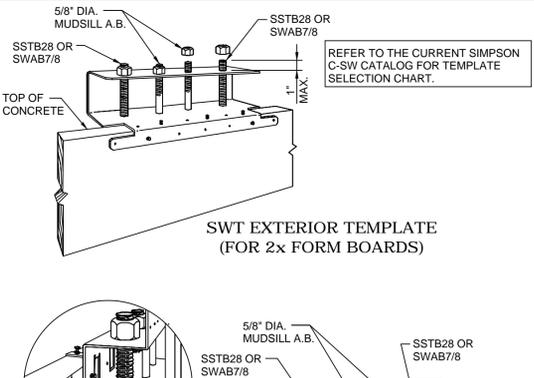


**STANDARD WALL SILL**      **3**

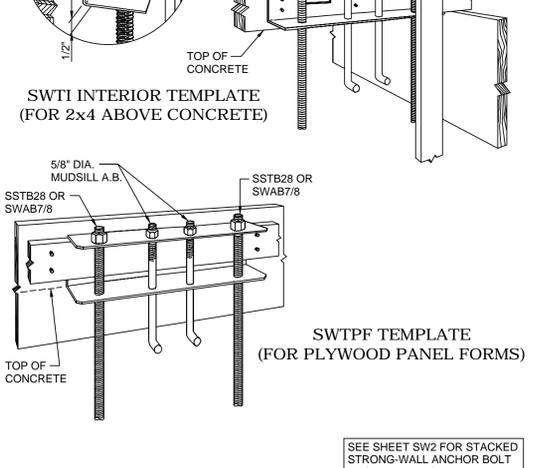


**RAISED FLOOR WALL SILL**      **4**

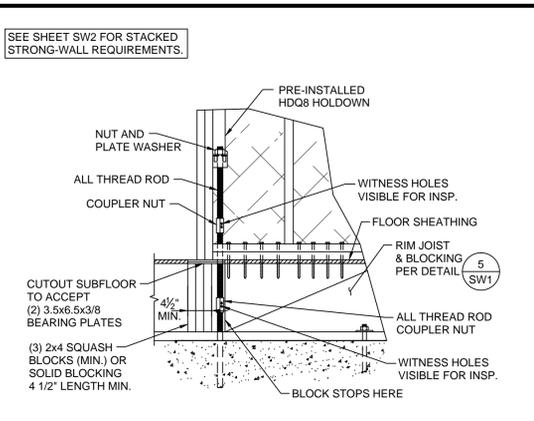
**TOP PLATE CONNECTION**      **6**



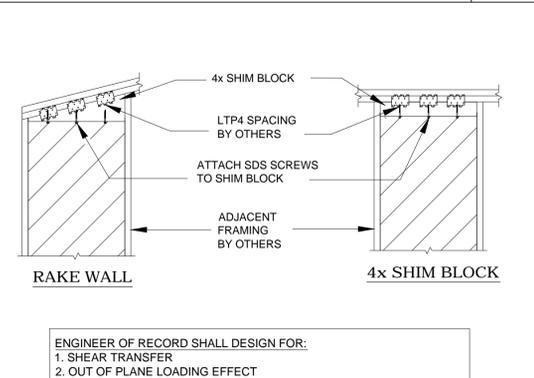
**STRONG-WALL TEMPLATES**      **13**



**STRONG-WALL TEMPLATES**      **13**

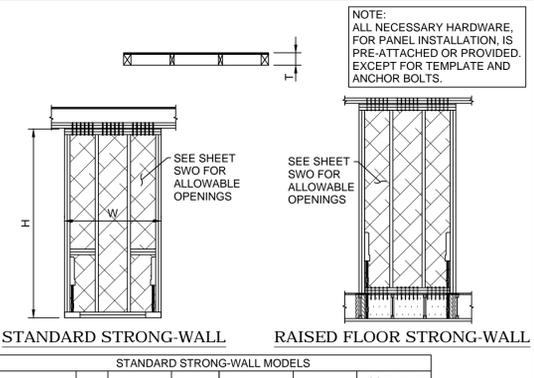


**RAISED FLOOR WALL SILL**      **4**



**RAISED FLOOR WALL SECTION**      **5**

**SHIM BLOCK ON STD. & RF WALLS**      **7**

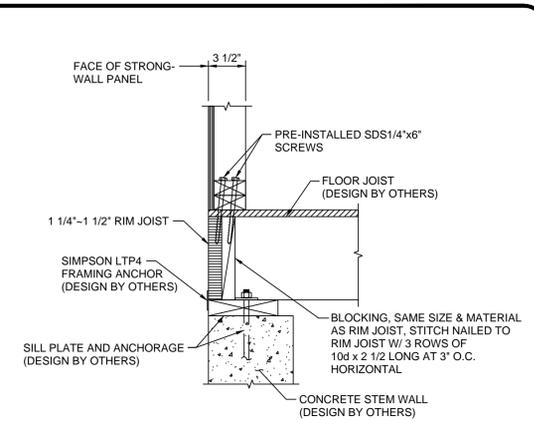


**WALL SPECIFICATIONS**      **14**

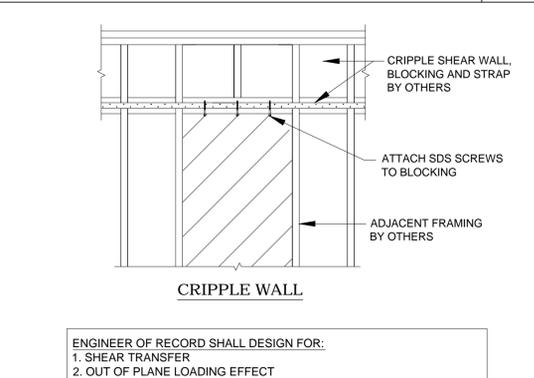
STANDARD STRONG-WALL MODELS						
MODEL SET UP	W (IN)	H (IN)	T (IN)	NUMBER OF MUDSILL ANCHORS	HOLDOWN ANCHOR BOLTS	ASSEMBLED WALL WEIGHT (lbs)
SW18x8	18	93 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	85
SW24x8	24	93 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	91
SW32x8	32	93 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	116
SW48x8	48	93 1/4	3 1/2	3-5/8"Ø	2-7/8"Ø	149
SW18x9	18	105 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	94
SW24x9	24	105 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	101
SW32x9	32	105 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	128
SW48x9	48	105 1/4	3 1/2	3-5/8"Ø	2-7/8"Ø	165
SW24x10	24	117 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	111
SW32x10	32	117 1/4	3 1/2	2-5/8"Ø	2-7/8"Ø	134
SW48x10	48	117 1/4	3 1/2	3-5/8"Ø	2-7/8"Ø	171
SW24x12x6	24	141 1/4	5 1/2	2-5/8"Ø	2-7/8"Ø	187
SW32x12x6	32	141 1/4	5 1/2	2-5/8"Ø	2-7/8"Ø	201
SW48x12x6	48	141 1/4	5 1/2	3-5/8"Ø	2-7/8"Ø	256

RAISED FLOOR STRONG-WALL MODELS							
MODEL SET UP	W (IN)	H (IN)	T (IN)	NUMBER OF FASTENERS IN BOTTOM OF WALL	NUMBER OF FASTENERS IN TOP OF WALL	HOLDOWN ANCHOR BOLTS	MAX. WALL WEIGHT (lbs)
SW18x8-RF	18	93 1/4	3 1/2	13-SDS 1/4x6	9-SDS 1/4x6	2-7/8"Ø	85
SW24x8-RF	24	93 1/4	3 1/2	16-SDS 1/4x6	12-SDS 1/4x6	2-7/8"Ø	91
SW32x8-RF	32	93 1/4	3 1/2	20-SDS 1/4x6	16-SDS 1/4x6	2-7/8"Ø	116
SW48x8-RF	48	93 1/4	3 1/2	28-SDS 1/4x6	24-SDS 1/4x6	2-7/8"Ø	149
SW18x9-RF	18	105 1/4	3 1/2	13-SDS 1/4x6	9-SDS 1/4x6	2-7/8"Ø	94
SW24x9-RF	24	105 1/4	3 1/2	16-SDS 1/4x6	12-SDS 1/4x6	2-7/8"Ø	101
SW32x9-RF	32	105 1/4	3 1/2	20-SDS 1/4x6	16-SDS 1/4x6	2-7/8"Ø	128
SW48x9-RF	48	105 1/4	3 1/2	28-SDS 1/4x6	24-SDS 1/4x6	2-7/8"Ø	165
SW24x10-RF	24	117 1/4	3 1/2	16-SDS 1/4x6	12-SDS 1/4x6	2-7/8"Ø	111
SW32x10-RF	32	117 1/4	3 1/2	20-SDS 1/4x6	16-SDS 1/4x6	2-7/8"Ø	134
SW48x10-RF	48	117 1/4	3 1/2	28-SDS 1/4x6	24-SDS 1/4x6	2-7/8"Ø	171



**RAISED FLOOR WALL SECTION**      **5**

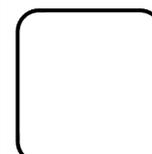


**CRIPPLE WALL ON STD & RF WALLS**      **8**

**NOTES**      **15**

1. STRONG-WALL® SHEARWALL IS MANUFACTURED AND TRADEMARKED BY "SIMPSON STRONG-TIE COMPANY INC.", HOME OFFICE: 5956 W. LAS POSITAS BOULEVARD, PLEASANTON, CA 94588 TEL: (800) 999-5099, FAX: (925) 875-0826 "SIMPSON STRONG-TIE COMPANY INC." IS AN ISO 9001 REGISTERED COMPANY.  
2. INSTALLATION OF PRODUCT SHALL BE DONE IN STRICT CONFORMANCE TO THESE DRAWINGS AND THE STRONG-WALL® INSTALLATION GUIDE. MODIFICATIONS TO THIS PRODUCT AND ASSOCIATED SYSTEMS OR CHANGES IN THE INSTALLATION METHODS SHOWN ON THESE DRAWINGS AND THE INSTALLATION GUIDE SHOULD ONLY BE MADE BY A QUALIFIED ARCHITECT, CIVIL, OR STRUCTURAL ENGINEER. THE PERFORMANCE OF SUCH MODIFIED PRODUCTS OR ALTERED INSTALLATION PROCEDURES IS THE SOLE RESPONSIBILITY OF THE DESIGNER. REFER TO ICC-ES ESR-1267 FOR FURTHER INFORMATION.  
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ELEVATIONS, ETC. PRIOR TO INSTALLATION OF ANY COMPONENTS FOR THE STRONG-WALL® SYSTEM. IF ANY DISCREPANCIES ARE FOUND, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT, PROJECT ENGINEER OR BUILDING DESIGNER FOR CLARIFICATION PRIOR TO CONSTRUCTION.  
4. THE CONTRACTOR SHALL VERIFY THE POSITION OF THE STRONG-WALL IN RELATION TO THE REST OF THE BUILDING SYSTEM AS SHOWN ON THE PROJECT DRAWINGS.  
5. USE OF THIS PRODUCT IS SUBJECT TO THE APPROVAL OF THE LOCAL BUILDING OFFICIAL.  
6. THE BUILDING STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE BUILDING CODE AND ANY OTHER LOCAL, STATE OR FEDERAL REQUIREMENTS THAT MAY APPLY. VERIFY DESIGN REQUIREMENTS WITH THE LOCAL BUILDING DEPARTMENT.  
7. THIS PRODUCT IS PART OF THE OVERALL LATERAL FORCE RESISTING SYSTEM OF THE STRUCTURE. DESIGN OF THE BUILDING'S LATERAL FORCE RESISTING SYSTEM, INCLUDING A COMPLETE LOAD PATH NECESSARY TO TRANSFER LATERAL FORCES FROM THE STRUCTURE TO THE GROUND, IS THE RESPONSIBILITY OF THE DESIGNER.  
8. SIMPSON STRONG-TIE COMPANY INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, DESIGNS AND MODELS WITHOUT NOTICE OR LIABILITY FOR SUCH CHANGES.  
9. ALL HARDWARE CALLED OUT IS SIMPSON STRONG-TIE®

NO.	DATE	REVISIONS
1	04/09/07	GENERAL REVISIONS
2	09/23/07	GENERAL REVISIONS
3	08/29/08	ESR-1267 REVISIONS
4	02/22/11	ESR-2611 REVISIONS
5	07/11/13	2012 IBC REVISIONS
6		



**SIMPSON STRONG-TIE COMPANY INC.**  
HOME OFFICE: 5956 W. LAS POSITAS BLVD., PLEASANTON, CA 94588  
TEL: (800) 999-5099 FAX: (925) 875-0826  
Tel: (800) 999-5099 Fax: (925) 875-0826

**STRONG-WALL®**  
**SINGLE STORY WALLS**

NAME	
DATE	7-11-2013
SCALE	N.T.S.
CHECKED	
SHEET	SW1
OF SHEETS	
JOB NO.	