STATE OF ARIZONA
DEPARTMENT OF FIRE, BUILDING AND LIFE SAFETY
THE OFFICE OF MANUFACTURED HOUSING
MINIMUM STANDARDS FOR MANUFACTURED HOUSING FOUNDATIONS IN FLOODPLAINS

GENERAL COMMENTS

1. THESE STANDARDS ARE CONSIDERED MINIMUM AND THE OWNER / CONTRACTOR SHALL CHECK WITH THE LOCAL GOVERNMENTAL AGENCY TO SEE IF THEIR STANDARDS ARE MORE RESTRICTIVE AND THE OWNER / CONTRACTOR SHALL USE THE MOST STRINGENT STANDARDS.

2. THESE STANDARDS INCORPORATE FEMA-85, HUD PART II 24 CFR PARTS 3280 AND 3285, PART III 24 CFR PART 3286, 2006 IRC AND STATE OF ARIZONA OMH STANDARDS.

3. THESE STANDARDS MAY NOT MEET FHA, VA AND FmHA REQUIREMENTS FOR LOANS. THE OWNER / CONTRACTOR SHALL CHECK WITH THESE GOVERNMENTAL AGENCIES TO DETERMINE THEIR STANDARDS.

4. THE OWNER / CONTRACTOR SHALL REALIZE THAT IN MANY AREAS OF THE STATE THE DEPTH OF FROST MAY CONTROL THE DEPTH OF FOOTINGS FOR FOUNDATIONS.

5. THE STATE OMH STAFF / IGA STAFF WILL INSPECT HOMES SET UNDER THESE STANDARDS.

6. THE OWNER / CONTRACTOR SHALL CHECK WITH THE LOCAL GOVERMENTAL AGENCY TO GET THE NEEDED FLOODPLAIN INFORMATION.

7. FACTORY BUILT HOMES (OFF FRAME) CAN USE SHEET 6 OF 9, 8 OF 9, TABLE A, C AND G FOR THE PERIMETER WALL AND MARRIAGE LINE PIERS.

8. THESE MINIMUM INSTALLATION STANDARDS APPLY FOR INSTALLATIONS WITHIN FLOODPLAINS AT A LOCATION WHICH IS BEYOND THE ANTICIPATED MIGRATORY DISTANCE OF ADJACENT WASHES. IN OTHER WORDS, THESE INSTALLATION STANDARDS DO NOT ADDRESS POSSIBLE LATERAL MIGRATION OF AN ADJACENT WASH TOWARDS AND INTO THE MH FOUNDATION / FILL PAD.
CONSTRUCTION NOTES

1. WHEN THE HOME IS SET ON A FILL PAD WHICH HAS BEEN CONSTRUCTED AT OR ABOVE THE BASE FLOOD ELEVATION, VINYL (i.e., BREAK-AWAY) OR OTHER APPROVED SKIRTING MAY BE USED AROUND THE HOME.

2. FILL PAD SHALL BE CONSTRUCTED TO FEMA-85, HUD, 2006IRC AND OMH STANDARDS.

3. WHEN A FILL PAD IS CONSTRUCTED AT OR ABOVE THE BASE FLOOD ELEVATION THE STANDARD PRECAST CONCRETE 16"X16"X3.5" FOOTINGS CAN BE SET ON THE FILL PAD.

4. HOME EQUIPMENT NORMALLY SET OUTSIDE OF THE HOME AT GROUND LEVEL MUST BE ELEVATED ABOVE RFE ON A STAND MADE OF TREATED LUMBER, STEEL OR BLOCK.

5. WHEN HOMES ARE ON PIERS BUILT IN ACCORDANCE WITH THESE STANDARDS, THE HOME MUST BE TIED DOWN WITH GROUND ANCHORS OR OTHER APPROVED ANCHORING SYSTEMS FOR GROUND ANCHORING. THERE MUST BE 6 TIE DOWNS ALONG THE LONG SIDES (HOMES UNDER 50’), 7 TIE DOWNS ALONG THE LONG SIDES (HOMES 52’ TO 65’) AND 8 TIE DOWNS ALONG THE LONG SIDES (HOMES OVER 66’). LONGTIDUAL BRACING PER THE HOME MANUFACTURER OR XI2, LLB SYSTEMS PER THE MANUFACTURERS RECOMMENDATIONS ON BOTH ENDS FOR LONGTIDUAL BRACING.

6. RIBBON FOOTINGS MAY BE USED INSTEAD OF THE STANDARD 16"X16"X3.5" PRECAST CONCRETE FOOTINGS.

7. FLOOD VENTS SHALL PROVIDE 1 SQ. IN. OF VENT OPENING FOR EVERY 1 SQ. FT. OF FLOOR AREA. BOTTOM OF VENTS SHALL BE WITHIN 12" OF GROUND LEVEL WITH 1/4"X1/4" GALV. WIRE MESH, AND SHALL BE INSTALLED ON AT LEAST TWO WALLS. (REFER TO FEMA TECHNICAL BULLETIN 1-08 FOR MORE GUIDANCE)

8. WHEN HOMES ARE ON STEM WALL FOUNDATIONS, IF THE OWNER/CONTRACTOR USES TIE DOWNS OTHER THAN THE SIMPSON PA STRAPS SHOWN ON THE PLANS THEY SHALL SHOW THE INSPECTOR THAT WHAT THEY ARE USING MEETS OR EXCEEDS THE SIMPSON PA STRAPS.

9. NATURAL GRADE MEANS THE GROUND SURFACE PRIOR TO DISTURBANCE (i.e., GRADING ACTIVITY, PLACEMENT OF FILL PAD) BY MAN.

10. HIGHEST ADJACENT NATURAL GRADE MEANS THE HIGHEST NATURAL GRADE MEASURED BELOW THE FOOTPRINT OF THE HOME.

11. FINISHED GRADE MEANS THE GROUND SURFACE WHICH RESULTS AFTER GRADING ACTIVIES (PLACEMENT AND COMPACTION OF FILL, EXCAVATING OF DRAINAGE SWALES).

STATE OF ARIZONA
REFER TO SHEET #1

NOV 14 2009

F-LD 00 SUP

CONSTRUCTION NOTES SHEET 2 OF 10

revised 9/22/09
### ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFE</td>
<td>Base Flood Elevation; AKA 100 Year Flood Elevation, Ask Your Local Jurisdiction Having Floodplain Authority.</td>
</tr>
<tr>
<td>RFE</td>
<td>Regulatory Flood Elevation; Ask Your Local Jurisdiction Having Floodplain Authority.</td>
</tr>
<tr>
<td>TYP</td>
<td>Typical</td>
</tr>
<tr>
<td>L</td>
<td>Length</td>
</tr>
<tr>
<td>W</td>
<td>Width</td>
</tr>
<tr>
<td>MIN</td>
<td>Minimum</td>
</tr>
<tr>
<td>MAX</td>
<td>Maximum</td>
</tr>
<tr>
<td>D50</td>
<td>The Diameter of Rip-Rap Stones For Which 50% Of Is Smaller.</td>
</tr>
<tr>
<td>LLB</td>
<td>A Proprietary Product To Be Used For Longitudinal Bracing Under A Manufactured Home.</td>
</tr>
<tr>
<td>Xi2</td>
<td>A Proprietary Product To Be Used For Longitudinal Bracing Under A Manufactured Home.</td>
</tr>
<tr>
<td>IGA</td>
<td>Inter Governmental Agreement.</td>
</tr>
<tr>
<td>FHA</td>
<td>Federal Housing Authority.</td>
</tr>
<tr>
<td>VA</td>
<td>Veterans Affairs.</td>
</tr>
<tr>
<td>FmHA</td>
<td>Farmers Home Administration.</td>
</tr>
<tr>
<td>U/S</td>
<td>Upstream.</td>
</tr>
<tr>
<td>D/S</td>
<td>Downstream.</td>
</tr>
<tr>
<td>MH</td>
<td>Manufactured Home.</td>
</tr>
<tr>
<td>W/I</td>
<td>Within.</td>
</tr>
</tbody>
</table>

Revised 9/22/09
### TABLE "A" STEM WALL FOOTING DEPTH FOR INSTALLATION IN FLOODPLAIN UP TO BFE OF 0.5 FT.

<table>
<thead>
<tr>
<th>Ground Slope ft./ft.</th>
<th>Footing Depth—Within 10 ft. Each Direction of Each U/S Corner.</th>
<th>Foundation Wall Remainder of Stem Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 0.014</td>
<td>0.014—0.04</td>
<td>0.04—0.06</td>
</tr>
<tr>
<td>24&quot;</td>
<td>30&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>18&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
</tr>
</tbody>
</table>

### TABLE "B" 1-BEAM PIER FOOTING THICKNESS FOR INSTALLATION IN FLOODPLAIN UP TO BFE OF 0.5 FT.

<table>
<thead>
<tr>
<th>Ground Slope ft./ft.</th>
<th>Footing Thickness—</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 0.011</td>
<td>0.011—0.022</td>
</tr>
<tr>
<td>6&quot;</td>
<td>8&quot;</td>
</tr>
<tr>
<td>10&quot;</td>
<td>12&quot;</td>
</tr>
</tbody>
</table>

### TABLE "C" STEM WALL FOOTING DEPTH FOR INSTALLATION IN FLOODPLAIN BFE 0.5 FT TO 1.0 FT.

<table>
<thead>
<tr>
<th>Ground Slope ft./ft.</th>
<th>Footing Depth—Within 10 ft. Each Direction of Each U/S Corner.</th>
<th>Foundation Wall Remainder of Stem Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 0.004</td>
<td>0.004—0.008</td>
<td>0.008—0.022</td>
</tr>
<tr>
<td>42&quot;</td>
<td>48&quot;</td>
<td>54&quot;</td>
</tr>
<tr>
<td>18&quot;</td>
<td>18&quot;</td>
<td>18&quot;</td>
</tr>
</tbody>
</table>

### TABLE "D" 1-BEAM PIER FOOTING THICKNESS FOR INSTALLATION IN FLOODPLAIN BFE 0.5 FT TO 1.0 FT.

<table>
<thead>
<tr>
<th>Ground Slope ft./ft.</th>
<th>Footing Thickness—</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 0.01</td>
<td>0.01—0.02</td>
</tr>
<tr>
<td>6&quot;</td>
<td>8&quot;</td>
</tr>
<tr>
<td>10&quot;</td>
<td>12&quot;</td>
</tr>
</tbody>
</table>

### TABLE "E" PIER FOOTING DEPTH FOR INSTALLATION IN FLOODPLAIN UP TO BFE OF 0.5 FT.

<table>
<thead>
<tr>
<th>Ground Slope ft./ft.</th>
<th>Footing Depth—</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 0.008</td>
<td>0.008—0.038</td>
</tr>
<tr>
<td>18&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>30&quot;</td>
<td>42&quot;</td>
</tr>
</tbody>
</table>

### TABLE "F" PIER FOOTING DEPTH FOR INSTALLATION IN FLOODPLAIN UP TO BFE OF 0.5 FT.

<table>
<thead>
<tr>
<th>Ground Slope ft./ft.</th>
<th>Footing Depth—</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 0.010</td>
<td>0.010—0.025</td>
</tr>
<tr>
<td>30&quot;</td>
<td>42&quot;</td>
</tr>
</tbody>
</table>

---

**TABLE "G" MARRIAGE LINE FOOTING DIMENSIONS FOR INSTALLATION IN FLOODPLAIN UP TO BFE OF 1.0 FT.**

<table>
<thead>
<tr>
<th>Marriage Line Footing LBS.</th>
<th>Soil Loading PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>1.5'X1.5'X4'</td>
</tr>
<tr>
<td>3000</td>
<td>1.75'X1.75'X6'</td>
</tr>
<tr>
<td>4000</td>
<td>2'X2.5'X8'</td>
</tr>
<tr>
<td>5000</td>
<td>2.25'X2.25'X8'</td>
</tr>
<tr>
<td>6000</td>
<td>2.5'X2.5'X8'</td>
</tr>
<tr>
<td>7000</td>
<td>2.75'X2.75'X8'</td>
</tr>
<tr>
<td>8000</td>
<td>3'X3'X10'</td>
</tr>
<tr>
<td>9000</td>
<td>3.5'X3'X10'</td>
</tr>
</tbody>
</table>

**FOOTNOTE 1:** If the thickness in this table is smaller than in Table B or D then use the larger.

**FOOTNOTE 2:** Footings shall have 3-4 rebar both directions.

---

**TABLES "H"&"I" ARE FOR PADS WHERE THE LONG DIMENSION OF THE HOME IS PARALLEL TO FLOOD FLOW AND UP TO A 32 FOOT DOUBLE WIDE HOME.**

**TABLE "H" FILL PAD THICKNESS AND EROSION PROTECTION IN FLOODPLAIN UP TO BFE 0.5 FT.**

<table>
<thead>
<tr>
<th>U/S Edge &amp; Corner To Edge</th>
<th>Pad Thickness</th>
<th>Toe Down Depth</th>
<th>Rip-Rap Sizing</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>D50=6&quot;</td>
</tr>
<tr>
<td>12&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>D50=6&quot;</td>
</tr>
</tbody>
</table>

**TABLE "I" FILL PAD THICKNESS AND EROSION PROTECTION IN FLOODPLAIN BFE 0.5 FT. TO 1.0 FT.**

<table>
<thead>
<tr>
<th>U/S Edge &amp; Corner To Edge</th>
<th>Pad Thickness</th>
<th>Toe Down Depth</th>
<th>Rip-Rap Sizing</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>D50=6&quot;</td>
</tr>
<tr>
<td>18&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>D50=6&quot;</td>
</tr>
</tbody>
</table>

---

**FOOTINGS AND CUT-OFF WALL DEPTHS AND DIMENSIONS IN FLOODPLAIN**

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**NOTE:** Footing and cutoff wall depths are measured from natural (undisturbed) grade down to the bottom of the footing or cutoff wall.

MH foundations, or fill pad erosion protection, for installations within floodplains with a base flood elevation depth greater than 1.0 foot shall be designed by an Arizona-registered civil engineer and approved by all appropriate local governmental agencies and the OMH. Revised 9/22/09.
PIER AND FOOTING DETAIL

STATE OF ARIZONA
REFER TO SHEET #1

A. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND THE ZONING BC CODE.
B. CONCRETE SHALL BE FIBER IN ASTM C-24 AND HAVE A 28 DAY STRENGTH OF 3,000 psi. THERE SHALL BE A MINIMUM OF 2% WOES OF CEMENT PER CURE (AND
AND CONFORM TO ASTM C-100 TYPE I). THE AGGREGATE PER ASTM C-33. THE
SLUMP SHALL NOT BE MORE THAN 4".
C. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 AND LAP 30
DIA STRAIGHT. REINFORCING SHALL BE CONTINUOUS AROUND ALL CONCRETE.
D. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS BEFORE
STARTING WORK.
E. MECHANICAL BLOCK SHALL CONFORM TO ASTM C-90, TYPE L, GRADE N-1.
MORTAR SHALL BE TYPE "A" CONFORMING TO ASTM C-70. CEMENT CONFORM TO
ASTM C-470, WITH A 28-DAY STRENGTH OF 4,000.
F. WOOD WITHIN 6" OF DRAIN AND UPLAND TO CONCRETE OR BLOCK TO BE
PRESSURE TREATED FOUNDATION GRADE. WOOD PRESERVING TREATMENT FOR THE IN-GROUND
CONTACT PER REQUIREMENTS OF ASPROR IME PRESENTS BURROW STANDARD
G. THE FILL PAD ALIGNMENT SHALL BE SUCH THAT THE LONG DIMENSION IS
PARALLELED WITH THE FLOW OF THE FLOOD WATER.

FLOOD FLOW DIRECTION
GENERAL FOOTING PLAN

ALTERNATIVE 1 BEAM
RIBBON FOOTING DETAIL

PIER INSTALLATION ON EROSION-STABILIZED
FILL PAD IN FLOODPLAIN

REVISED 9/20/09
F-LD 00 SUP
STATE OF ARIZONA
REFER TO SHEET #1

NOV 14 2009

Review of this document does not authorize or approve any construction or deviation from the applicable standards.

F-LD 00 SUP

A. ALL WORK SHALL CONFORM TO ALL LOCAL CODES AND THE 2009 IRC CODE.
B. CONCRETE SHALL BE PER ASTM C-94 AND HAVE A 28 DAY STRENGTH OF 3,000 psi. THERE SHALL BE A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND CONFORM TO ASTM C-150 TYPE I, THE AGGREGATE PER ASTM C-33. THE SLUMP SHALL NOT BE MORE THAN 4".
C. REINFORCING STEEL SHALL CONFORM TO ASTM A95, GRADE 60 AND LAP 30 BAR DIAM. REINFORCING SHALL BE CONTINUOUS AROUND ALL CORNERS.
D. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS BEFORE STARTING WORK.
E. MASONRY BLOCK SHALL CONFORM TO ASTM C-90, TYPE I, GRADE N-1,モルタルも厚さをTYPE "N", CONFORMING TO ASTM C-476, WITH A 28-DAY STRENGTH OF 2,000 psi.
F. WOOD MUST BE GR 3 GRADE AND MOLDED OR BLOCK TO BE PRECAST IN FLOOR POUR AND PLACED IN DRY SPACE WITH GRADE COVERING TO BE PRECAST AND CONFORM TO FOUNDATION GRADE STANDARD FOR USE IN GROUND CONCRETE. THE REQUIREMENTS OF AMERICAN WOOD PRODUCTS STANDARDS A-W-P-5.3 FOR USE IN GROUND CONCRETE.
G. THE FILL PAD ALIGNMENT SHALL BE SUCH THAT THE LONG DIMENSION IS PARALLEL WITH THE FLOW OF THE FLOOD WATER.

STEM WALL FOOTING DETAIL

STEM WALL INSTALLATION ON EROSION-STABILIZED
FILL PAD IN FLOODPLAIN
3:1 SLOPE DETAIL DUMPED ROCK RIP-RAP

DUMPED ROCK RIP-RAP
SEE TABLE H & I
AND GRADATION TABLE
MIN. THICKNESS = 2x050

FILTER FABRIC MIRAFI 180N OR EQUAL

LOOSE ROCK RIP-RAP GRADATION

<table>
<thead>
<tr>
<th>% PASSING</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-90</td>
<td>2.0  D50</td>
</tr>
<tr>
<td>85-70</td>
<td>1.5  D50</td>
</tr>
<tr>
<td>50-30</td>
<td>1.0  D50</td>
</tr>
<tr>
<td>15-5</td>
<td>0.67 D50</td>
</tr>
<tr>
<td>0-5</td>
<td>0.33 D50</td>
</tr>
</tbody>
</table>

HARD ANGULAR ROCK WITH
GRADATION AS SHOWN AND
SG OF 2.6 MIN.

STATE OF ARIZONA
REFER TO SHEET #1

DUMPED RIP-RAP EROSION
STABILIZATION OF FILL PAD
IN FLOODPLAIN

REVISED 9/22/09

NOV 14 2009

F-LD 00 SUP

LLOYD W. ROGERS

17207

EXPIRES 02/28/2010
1:1 SLOPE DETAIL GROUTED ROCK RIP–RAP

ROCK RIP–RAP HAND EMBEDDED INDIVIDUAL STONES TO DEPTH OF 1/2 D50, HARD DURABLE ANGULAR OR ROUNDED STONE PER GRADATION CHART.

SEE TABLE H & I

GROUTED ROCK RIP–RAP GRADATION

<table>
<thead>
<tr>
<th>% PASSING</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>1.5 D50</td>
</tr>
<tr>
<td>0</td>
<td>0.67 D50</td>
</tr>
</tbody>
</table>

STATE OF ARIZONA
REFER TO SHEET #1

F-00 SUP

GROUTED RIP–RAP EROSION STABILIZATION OF FILL PAD IN FLOODPLAIN

REVISED 9/22/09
SIMPSON Fwanz Anchors

@ 4" max. on center around home. Nail to sill plate and rim joist per manufacturers recommendations.

SIMPSON SB Anchors

@ 6" max. on center around home.

ALTERNATIVE WALL and HOME TIE downs

A. All work shall conform to all local, state, and the ZR-RFC code.

B. Concrete shall be for ASTM C-94 and have a 28 day strength of 3,000 psi. There will be a minimum of 6" of concrete per cube yard and conform to ASTM C-1100 (1999). The aggregate per ASTM C-333. The maximum aggregate size shall be 1 1/2".

C. Reinforcing steel shall conform to ASTM A-615, Grade 60 and 60 bar sizes. Reinforcing shall be continuous around all columns.

D. Contractor shall verify all site conditions and dimensions before starting work.

E. Masonry block shall conform to ASTM C-90, Type 1, Grade N-1. Mortar shall be Type "M" conforming to ASTM C-270. Grout shall conform to ASTM C-476, with a 28 day strength of 3,000 psi.

F. Wood within 4" of ground and shall be concrete on block to be pressure treated to foundation grade standard for use in ground contact per requirements of American Wood Preservers Bureau Standard A.M.P.E. For use in ground contact.

G. Home installed with 2" dimension parallel to flood flow.

Alternate I Beam Footing Detail

20" max.

24" x 24" min. corner anchors with gravel covering

Cement along base of home.

Non-load bearing wall.

State of Arizona.

Referred to Sheet 1.

NOV 14 2006

 cmap is 00 Sup

SIMPSON Fwanz Anchors

@ 4" max. on center around home. Nail to sill plate and rim joist per manufacturers recommendations.

2" treated sill plate on top of block wall.

SIMPSON SB Anchors

@ 6" max. on center around home.

ALTERNATIVE wall and HOME TIE downs

10' see detail c

10' see detail c

24" x 24" min. corner anchors with gravel covering

Cement along base of home.

Non-load bearing wall.

State of Arizona.

Referred to Sheet 1.

NOV 14 2006

F-LD 00 Sup

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State of Arizona.

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NOV 14 2006

F-LD 00 Sup

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10' see detail c

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10' see detail c

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State of Arizona.

Referred to Sheet 1.

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State of Arizona.

Referred to Sheet 1.

NOV 14 2006

F-LD 00 Sup

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Non-load bearing wall.

State of Arizona.

Referred to Sheet 1.

NOV 14 2006

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10' see detail c

24" x 24" min. corner anchors with gravel covering

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State of Arizona.

Referred to Sheet 1.

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@ 6" max. on center around home.

ALTERNATIVE wall and HOME TIE downs

10' see detail c

10' see detail c

24" x 24" min. corner anchors with gravel covering

Cement along base of home.

Non-load bearing wall.

State of Arizona.

Referred to Sheet 1.

NOV 14 2006

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2" treated sill plate on top of block wall.

SIMPSON SB Anchors

@ 6" max. on center around home.

ALTERNATIVE wall and HOME TIE downs

10' see detail c

10' see detail c

24" x 24" min. corner anchors with gravel covering

Cement along base of home.

Non-load bearing wall.

State of Arizona.

Referred to Sheet 1.

NOV 14 2006

F-LD 00 Sup

SIMPSON Fwanz Anchors

@ 4" max. on center around home. Nail to sill plate and rim joist per manufacturers recommendations.

2" treated sill plate on top of block wall.

SIMPSON SB Anchors

@ 6" max. on center around home.

ALTERNATIVE wall and HOME TIE downs

10' see detail c

10' see detail c

24" x 24" min. corner anchors with gravel covering

Cement along base of home.

Non-load bearing wall.

State of Arizona.

Referred to Sheet 1.

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F-LD 00 Sup

SIMPSON Fwanz Anchors

@ 4" max. on center around home. Nail to sill plate and rim joist per manufacturers recommendations.

2" treated sill plate on top of block wall.

SIMPSON SB Anchors

@ 6" max. on center around home.

ALTERNATIVE wall and HOME TIE downs

10' see detail c

10' see detail c

24" x 24" min. corner anchors with gravel covering

Cement along base of home.

Non-load bearing wall.

State of Arizona.

Referred to Sheet 1.