

PRODUCT ORDER FORM AND INSTRUCTIONS for the
 SURE SAFE® STEEL BUTTRESS™ VERTICAL & LATERAL LOAD SUPPORT SYSTEM

Date:

SSD Project #:
 (This # can be found on the
 design package cover page)

ORDERED BY:

Name:

Telephone:

Facsimile:

HOMEOWNER: Name:

Installation Address:

State & Zip code:

SPECIFIC COMPONENT QUANTITIES REQUIRED for this INSTALLATION

| Quantity | Description | Quantity | Description |
|-----------------------------------|-------------|---|--------------------------------|
| 1. MAINFRAME SUPPORT PIERS | | 4. SAFETY JACKS w/ bolt and nuts (all piers) | |
| | 8" tall | | I BEAM, SP302-1 |
| | 12" | | FLAT CHANNEL JACK, SP304-1 |
| | 16" | | FORMED CHANNEL JACK, SP306-1 |
| | 20" | | WOOD BEAM SADDLE JACK, SP308-1 |
| | 24" | | |
| | 28" | 5. MARRIAGE LOCKS w/ eye bolts | |
| | 32" | | 30", SP430 |
| | 36" | | 48", SP448 |
| | | | 60", SP480 |
| 2. MATE LINE SUPPORT PIERS | | 6. SAFETY JACKS for marriage locks | |
| | 20" | | I BEAM, SP302-1 |
| | 24" | | FLAT CHANNEL, SP304-1 |
| | 28" | | FORMED CHANNEL, SP306-1 |
| | 32" | | |
| | 36" | | |
| | | 7. PERIMETER POST PIERS | |
| 3. SURE® FORM BAG | | | PP100 - 40" long |
| | #30 BAGS | | |
| | #42 BAGS | | |
| | | | |
| | | | |

Order these products from:
 SURE SAFE® INDUSTRIES INTERNATIONAL
 1257 Simpson Way, Escondido, CA 92092
 1-800-322-1999
 Fax: 1-760-740-0341

PRODUCT ORDER FORM INSTRUCTIONS

Refer to the SURE SAFE® DESIGN calculations for specific requirements for this installation.

1. MAINFRAME SUPPORT PIERS: Mainframe support piers must be spaced not further apart than the maximum spacing indicated in the site specific calculation summary. *However, the distance between any two adjacent piers may deviate from the maximum spacing by 10%, as long as the overall average distance between piers does not exceed the maximum spacing required.* For single - wide homes, ½ of the total number of supports must be installed under each mainframe. For double - wide homes, ¼ of the total number of supports must be installed under each mainframe. When additional support piers are required for vertical and/or lateral loads, the additional piers must be divided equally along the two extreme outside mainframes, and placed between the maximum spaced piers

1.1 LOCATIONS: Using the maximum spacing and the maximum (2'-0") dimension from the end to the first support, place a mark (a lumber crayon works well) on the bottom of the mainframes where each pier is to be installed. Measure the distance from the bottom of the mainframe and the ground at each pier location. Using those dimensions, refer to Table 1, for the pier height needed for that location. *Enter the quantities for each size pier on the SPECIFIC COMPONENT QUANTITY FORM, on page 1.*

IF THE HOME IS NOT YET INSTALLED: or set on temporary blocking, and the ground level beneath the home is to be relatively level, you can estimate the pier heights. Then simply tell the set up crew how high above ground level you want the home to be set.

| TABLE 1. MAINFRAME SUPPORTS | |
|---|---------------------------------|
| Bottom of mainframe to ground dimension | SURE SAFE® Pier height required |
| 15" - 19" | 8" |
| 19" - 23" | 12" |
| 23" - 27" | 16" |
| 27" - 31" | 20" |
| 31" - 35" | 24" |
| 35" - 39" | 28" |
| 39" - 43" | 32" |
| 43" - 48" | 36" |

NOTE: If ground to mainframe dimensions exceed the heights given in this table, contact SURE SAFE® DESIGN

2. MATE LINE SUPPORT PIERS These supports are required by the buildings manufacturer to support roof loads transferred to vertical columns and parallel walls along the mate line. Mate line supports should have been installed during the homes initial installation. Those supports must be replaced by SURE SAFE® products. *The total number of mate line column support or blocking piers required will be noted in the SURE SAFE® DESIGN document.*

2.1 Using the locations indicated on the manufacturers floor plan, measure and mark, on the underside of the floor, where each pier is to be installed. On existing homes, and where the manufacturers floor plan is not available, you need to replace each temporary existing support along the mate line. *If there are no supports currently along the mate line, contact SURE SAFE® DESIGN for further instructions.*

Measure the distance from the bottom of the floor to the ground in each location where a pier is to be installed. Using those dimensions, refer to Table 2, for the pier height needed for that location. *Then enter the quantities for each size pier on the SPECIFIC COMPONENT QUANTITY ORDER FORM, on page 1.*

| TABLE 2 MATE LINE SUPPORTS | |
|---------------------------------------|---------------------------------|
| Bottom of floor to ground dimension | SURE SAFE® Pier height required |
| 17" - 21" | 8" |
| 21" - 25" | 12" |
| 25" - 29" | 16" |
| 29" - 33" | 20" |
| 33" - 37" | 24" |
| 37" - 41" | 28" |
| 41" - 45" | 32" |
| Over 45" | 36" |

3. SURE® FORM BAGS for all mainframe and mate line support piers. Use A standard 30" x 30" x 10" (#30) SURE® FORM bag for each mainframe and mate line support pier. *Enter the quantities on the SPECIFIC COMPONENT QUANTITY ORDER FORM, on page 1.*

4. SAFETY JACKS: One safety jack is required for each mainframe, mate line and perimeter post pier. Determine the appropriate safety jack for each location, depending on the type of frame it will be attached to, and *enter the quantities on the SPECIFIC COMPONENT QUANTITY ORDER FORM, on page 1.*

5. MARRIAGE LOCKS: The number of marriage locks needed, is noted in the design document. The marriage lock assembly has adjustable eyebolts on each end. (2) stub safety jacks are required for each marriage lock. Stub safety jacks are the same as other safety jacks, except for shorter 1" bolts.

5.1 Measure the distance between the units mainframe and side wall. Multiply x 2. , Example: Measured dimension is 32" x 2 = 64" therefore use a 48" marriage lock.

A 30" marriage lock is used for dimensions of up to 54", use a 48" marriage lock for dimensions between 55" and 72", and a 60" marriage lock is needed for dimensions over 72". *Enter the quantities on the SPECIFIC COMPONENT QUANTITY ORDER FORM, on page 1.*

6. SAFETY JACKS FOR MARRIAGE LOCKS:

Order (2) of the appropriate type safety jacks, to fit the mainframe for each marriage lock required. *Enter the quantities on the SPECIFIC COMPONENT QUANTITY ORDER FORM, on page 1.*

7. PERIMETER POST PIERS: For blocking at exterior doors and wide openings, and perimeter blocking along the side walls. When the perimeter wall is not load bearing, use SURE SAFE® Post piers. Where a load bearing perimeter enclosure wall is used, all of the perimeter blocking loads can be placed on that wall. Required locations and spacings for perimeter blocking are noted in the design documents and shown on the building manufacturers floor plan when available. *Enter (1) post pier and (1) Wood beam saddle jack (SP308-10 for each location, on the SPECIFIC COMPONENT QUANTITY ORDER FORM, on page 1.*

PERIMETER ENCLOSURE WALL:

The SURE SAFE® support system does not require a perimeter enclosure wall to carry any vertical or lateral loads.

However, to fully comply with HUD/FHA/VA requirements, as a permanent foundation system, a perimeter enclosure wall, with a continuous concrete footing, whether load bearing or non- load bearing, must be installed in addition to the SURE SAFE ® STEEL BUTTRESS™ support system.

WHERE THERE IS A FROST DEPTH REQUIREMENT, the bottom of the continuous concrete footing supporting that wall, must be below the extreme frost penetration depth for the site. The concrete footing and wall must be insulated from the underside of the floor to the required frost depth. The insulation is to be placed on the exterior face of the footing.

SURE SAFE® DESIGN uses the Frost Protected Shallow Foundation design approach for perimeter enclosure walls, requiring footing depths of only 12 - 16" below finished grade.

Details of the perimeter enclosure wall, if requested from SURE SAFE® DESIGN are included with the calculation design documents. *When the perimeter enclosure wall details are to be provided by a third party, they must be attached to the calculation design documents.*

The enclosure wall must have a min. 32" access panel, screened ventilation (1sf. of ventilation for each 150sf. of floor area) and keep out vermin and water.