

GENERAL SPECIFICATIONS

The SURE SAFE® SUPER BUTTRESS™ MODULAR SYSTEM is custom designed for each and every installation and accompanied by calculations obtained from SURE SAFE® DESIGN. DESIGN DATA & CRITERIA:

- Roof snow load: 20 psf
- Floor live load: 40 psf
- Soil bearing pressure: 1000 psf
- Wind velocity: 100 mph (3 sec. gusts)
- Seismic:

MATERIALS:

- Steel plates & shapes: ASTM A36
 - Tube steel: ASTM A50
 - Bolts: ASTM A307
 - Welding: AWS E70XX, ER70S-X
 - Galvanizing: ASTM A390, steel plates, shapes
 - Concrete: f'c = 2500 psi., min. @ 28 days
- SURE SAFE® products have been laboratory tested with the following results:

- Vertical load:
 - 4 leg piers: 12,000 # (safety factor of 3)
 - Tube piers: 9334# (safety factor of 3)
 - Lateral load/ top of 4 leg pier: 1967# (s.f. of 3)
 - Sliding coefficient: 0.67 (s.f. of 2.16)

SURE SAFE® PRODUCTS required for this installation:

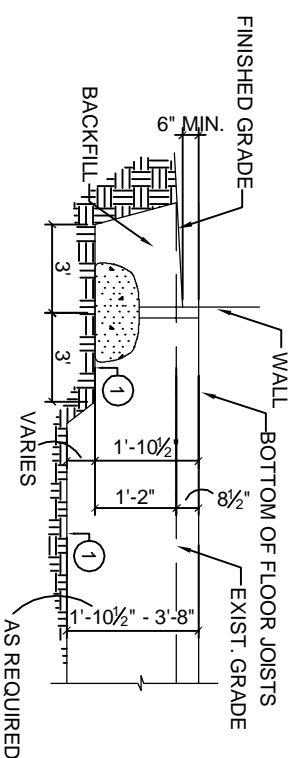
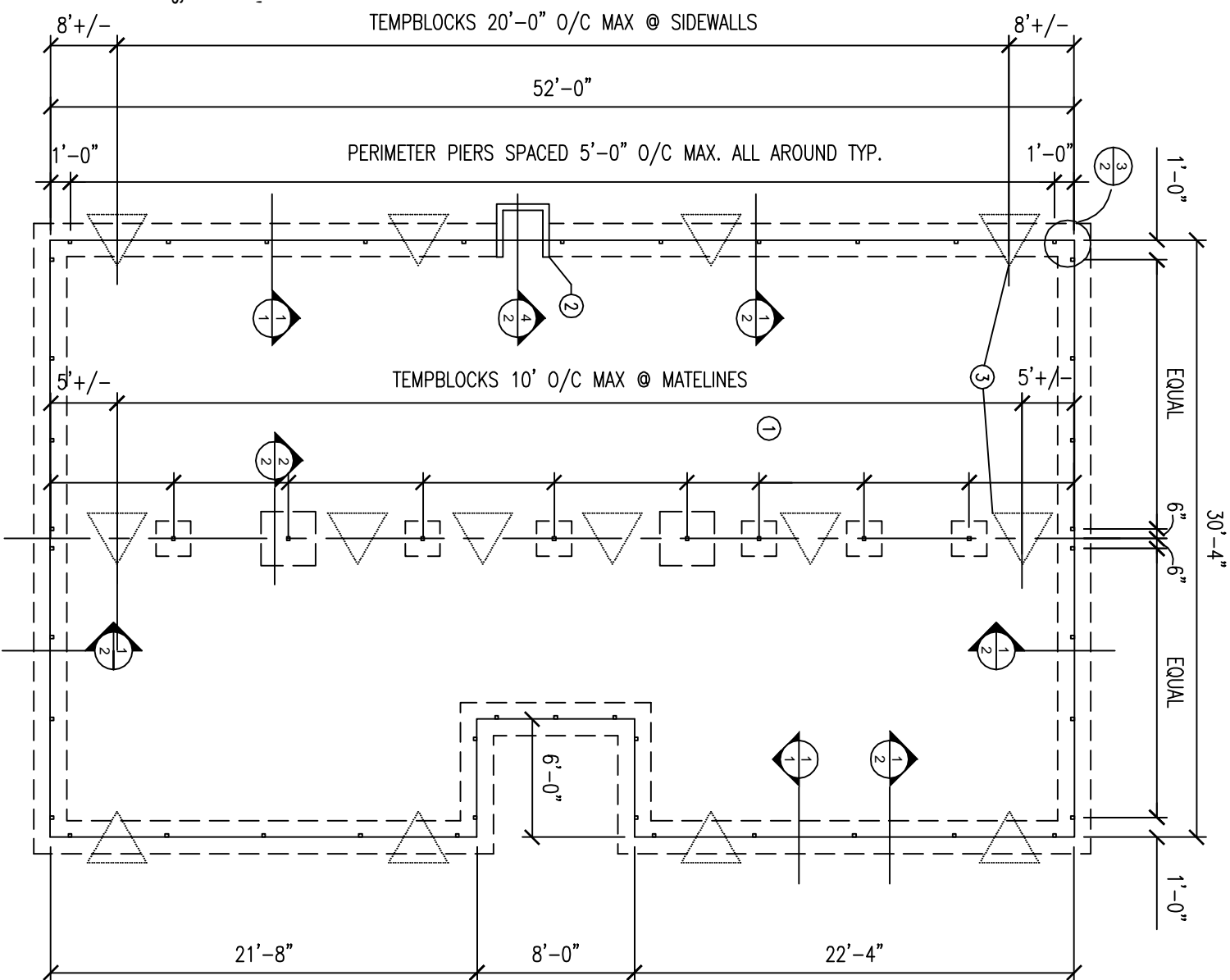
- Tempblocks, Perimeter & Mate Line Support Piers, Sure Form #5664377 Footing Bags, Safety Jacks 34886797 and Perimeter Enclosure Wall.

SOIL CONDITIONS AND PREPARATION: All concrete footings must be placed on undisturbed soil (organic matter and sod removed), or engineered fill that has been compacted to a minimum density of 95 % to achieve a minimum bearing pressure of 1000PSF.

The engineer cannot be responsible for the ultimate performance of the SURE SAFE® support system on a site having expansive clay, fill or other adverse soils conditions. Sites containing expansive soils must be investigated by a Geotechnical and mitigated in compliance with his recommendations prior to the design and installation.

INSTALLATION INSTRUCTIONS

1. **TEMPBLOCKS:** Under sidewalls: place within 8 feet of each end a maximum of 20 feet apart. Mate lines: place within 5' of each end, then 10' apart (max.). Level top of all steel tubes using the 1" diameter bolts and nuts. Re level after home is placed if required. REMOVE TEMPBLOCKS: after permanent support system is completed and concrete in footings has cured, but before installing sidewalls.
2. **PERIMETER SUPPORT PIERS:**
 - a. Attach the tube steel pier assembly to the rim joists at proper locations.



1 GRADING SECTION

KEYED NOTES

1. FINISHED EXCAVATED PREPARED GRADE IN CRAWL SPACE.
2. EXTERIOR ACCESS PANEL, WHEN REQUIRED.
3. TEMP BLOCKS, FOR SETTING AND LEVELING HOME UNTIL FOUNDATION IS IN PLACE AND CONCRETE SET.

INTERIOR PIER FOOTINGS

ALL INTERIOR PIER FOOTINGS ARE B30 (30"X30") W/NO REBAR UNLESS SPECIFICALLY NOTED AS B42 (42"X42") W/(3) - #4 BARS E.W. IN BOTTOM AS SHOWN IN DETAIL 2/2.

<p>SURE SAFE® INDUSTRIES INTERNATIONAL 1257 Simpson Way, Escondido, CA 92029 1.800.322.1999</p>	<p>Joe Sample 1111 1st St. Lake Elsinore, CA 92530</p>	<p>Cavco</p>
<p>MODULAR SUPER BUTTRESS™ FOUNDATION SYSTEM</p>	<p>FOUNDATION PLAN</p>	<p>1 of 2</p>