

INTRODUCTION

For creating SOG2, the following changes to SOG1, dated September 2006 have been made.

| Page No. | Change Description |
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| 1 st pg | 6th Edition, February 2009 |
| Table of Contents | No. 1 at bottom now is "Design Loads & Quick Weight Estimating" No. 4 add line at bottom "Useful Engineering Tables" |
| 1-1 | Added bullet & changed reference to page 1-30 |
| 1-12 | Corrected spelling to "CONDITIONS" at bottom of graphic (2 nd printing) |
| 1-22 | Changed text to provide alternatives to spray paint, and add reference to using peel and stick labels or stiff paper placards, Also add comment regarding the coordination of markings with others |
| 1-23 | Change explanation of Open Box to: " <u>Low Risk</u> for US&R Operations, with low probability of further collapse. Victims could be trapped by contents, or building could be completely pancaked or soft 1 st story" |
| 1-23 | Change explanation of Box with single diagonal line to: " <u>Moderate Risk</u> for US&R Ops, and structure is significantly damaged. May need shoring, bracing, removal, and/or monitoring of hazards. The structure may be partly collapsed." |
| 1-23 | Change explanation of Box with crossed diagonal lines to: " <u>High Risk</u> for US&R Ops, and may be subject to sudden collapse. Remote search operations may proceed at significant risk. If rescue operations are undertaken, significant and time-consuming mitigation should be done." |
| 1-24 | Add reference to peel and stick labels or stiff paper placards. Removed some text that was repetitious with page 1-22 |
| 1-29 | Added symbols for Horizontal & Window Shores (2 nd printing) |
| 1-30 | At ends of first three lines under title: added weight per cubic inch for Concrete = .089 pci, for Steel = .28 pci, for Aluminum = .095 pci |
| 1-30 | Added "QUICK WEIGHT ESTIMATING (per square foot) at bottom of sheet 12" Concrete slab = 150 psf 1" Steel plate = 40 psf 10" = 125 psf 3/4" = 30 psf 9" = 113 psf 5/8" = 25 psf 8" = 100 psf 1/2" = 20 psf 7" = 88 psf 3/8" = 15 psf 6" = 75 psf 1/4" = 10 psf 4" = 50 psf 1/8" = 5 psf |

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| 2-11 | Note 4. Change to: "Prefabricate header to posts by first toe-nailing posts to header, then placing the 12"x 24", double- gusset plate on one side, then flip over and place another dbl- gusset on other side." |
| 2-15 | Note 5b. Change to: "Toe-nail each post to header and sole, and keep the posts in line & plumb with header and sole plate." |
| 2-24 | Omit information for Type 1 Sloped Floor Shores and replace with new graphic and Step 1 of how to construct Type 2 Sloped Floor Shores. Graphic has note in Bottom Cleat Box added to say "wedges optional" from 2 nd printing. Also add note to title: "Type 1 is not recommended" |
| 2-25 | Omit Steps 2 through 9 for Type 1 Sloped FI Shores and replace with 2 through 9 for Type 2 Sloped FI Shores. Note 4. Add "Posts can usually be driven tight without wedges" (2 nd printing) |
| 2-26 | Info on Type 2 Sloped FI Shores was moved to 2-24. Add new graphic for Type 3 Sloped FI Shores, plus Step 1 for How to Construct |
| 2-27 | Steps 2 through 9 for Type 2 Sloped FI Shores was moved to 2-25. Add Steps 2 through 9 for Type 3 Sloped FI Shores |
| 2-28 | Graphic SHOR-8 has been replaced by new graphic that shows two types of bracing between Sloped Floor Shores, for 5'-0" o.c. maximum. Also added notes below |
| 2-29 | Steps 2 through 9 for Type 3 Sloped FI Shores was moved to 2-27. This was replaced by new graphic that shows bracing between Sloped Floor Shores, for 8'-0" o.c. max. Also added notes below |
| 2-30 | The Cleat at the upper right-hand corner of the Window Shore has been rotated into a more vertical orientation (better clearance). Also the 5-16d at each end of the 2x4 diagonal braces were changed to 3-16d. Added note that cleats at wedges should be 14" min long |
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| 3-8 | Change graphic to show level mid brace (not sloped) and show Trough Base on Raker with U-channel Base as alternate and 2 nd Choice. Change note on graphic near top of Raker from: "TWO PLYWOOD GUSSET PLATES" to "PLYWOOD GUSSET E.S. =(each side) |
| 3-10 | Change note near top and bottom of Raker from: "2-PLYWOOD GUSSETS" to "PLYWOOD GUSSET E.S". |
| 3-15 | Change graphic to add connection info for backing, and change base of Split Sole Raker to a Trough |
| 3-16 | Change graphic to show Trough Base on Raker with U-channel as 2 nd Choice. Correct error in Top Cleat Nailing, "24" long, 14-16d" instead of 17-16d (2 nd printing) |
| 3-19 | Graphic SHOR-15 8: Trough Detail, omit the 2-16d each side from vertical 2x5 to 2x4x18" (omit splitting potential) |
| 3-21 | Omit "ENGINEERED LEDGER" attached to wall at top of wall plate |
| 3-25 | Change note near bottom to say "or TROUGH BASE & SOLE ANCHOR (Preferred) |
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| 4-1 | Listing of the useful Engineering Tables has been added, including page numbers |
| 4-24 | Add new page with Intro to Useful Tables – Crane & Rigging |
| 4-25 | Add page with Rigging Safe Working Loads & Crane Stability – Tipping & Safety Factors |
| 4-26 | Add page with General Sling Information |
| 4-27 | Add page with Wire Rope Slings Capacities |
| 4-28 | Add page with Sling Information |
| 4-29 | Add page with Wire Rope Discard Conditions |
| 4-30 | Add page with Wire Rope Inspection and Replacement |
| 4-31 | Add page with Wire Rope Terminations |
| 4-32 | Add page with Crosby Clip Installation |
| 4-33 | Add page with Synthetic Sling Information |
| 4-34 | Add page with Hoist Ring & Eye Nut info |
| 4-35 | Add page with Wedge Anchor Allowable Loads |
| 4-36 | Add page with Concrete Screw Info |
| 4-37 &38 | Add 2-pages with Airshore Struts and Rakers – Design Strength |
| 4-39 to 41 | Add 3-pages with Paratech Struts and Rakers – Design Strength |
| 4-42 | Add page with Crane Hand Signals |
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