
	EMERGENCY MEASURES RADIO GROUP
	OTTAWA ARES

Two Names - One Group - One Purpose

Revision Summary

2009-07-02 V1.3

Paste drawings from original MS Visio to Powerpoint

Purpose Of This Document

This document is a copy and paste of the drawings from the MS Visio version. The drawings are pasted in this document for those who do not have the Visio software.

<u>QTY</u>	<u>Description</u>
1	4' x 8' x 1/2" - Plywood (Good Both Sides) [For easier transport, the plywood can be cut into two pieces 4' x 5' & 4' x 3']
1	4' x 4' x 1/8" - Hardboard (Masonite)
1	2' x 4' x 1/8" - Whiteboard
1	2' x 4' x 3/4" - Plywood (Good One Side)
2	Swivel Caster 2" to 3"
2	Fixed Caster 2" to 3"
1	5' Piano Hinge
1	2' Piano Hinge
1	Cabinet lock + 3 extra keys
1	Small can Stain & Varnish wood finish

EMRG-601 Red Cross (RC) Radio Cabinet

Drawing Title: **Materials List**

Name: Peter Gamble

Version: 1.3

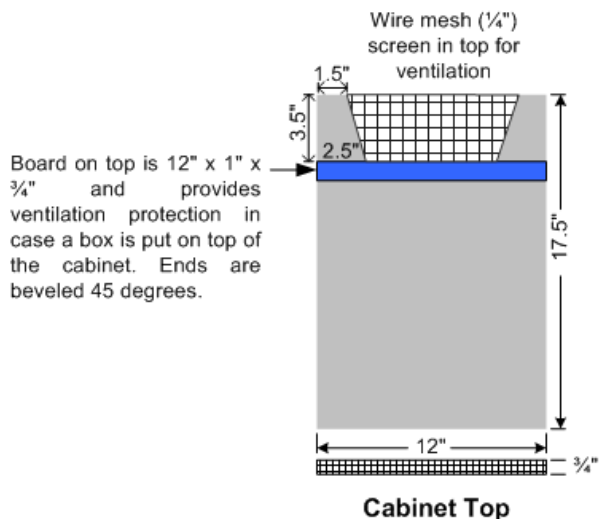
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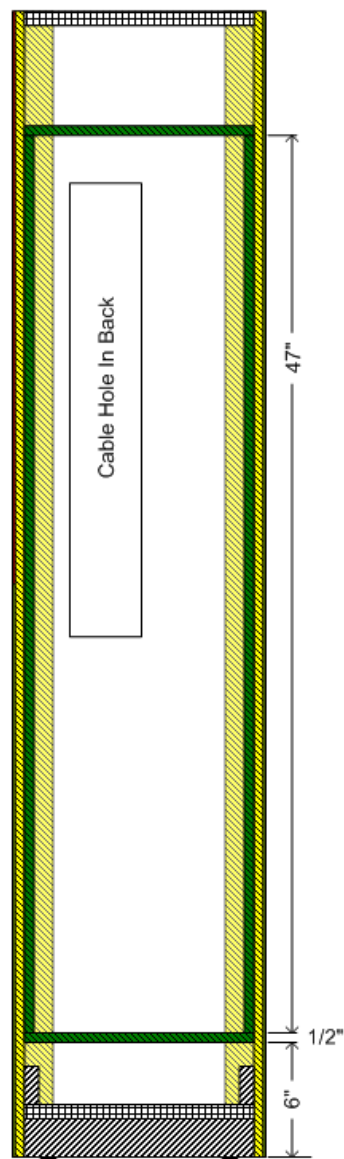
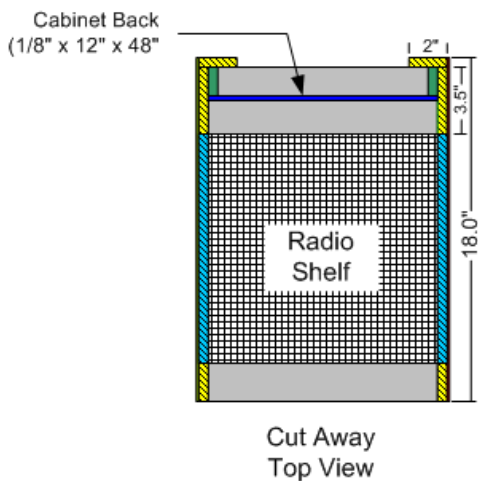
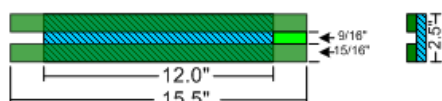
Classification: Public

Date: 2009-07-02

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Shelf Support Detail



Front View

1/2" x 2" plywood frame inside back of cabinet. Used to attach 1/8" thick x 48" high x x" wide panel to close in mid section of the back. Openings at top and bottom of cabinet for air flow.

EMRG-601 Red Cross (RC) Radio Cabinet

Drawing Title: **Components Detail View**

Name: Peter Gamble

Version: 1.3

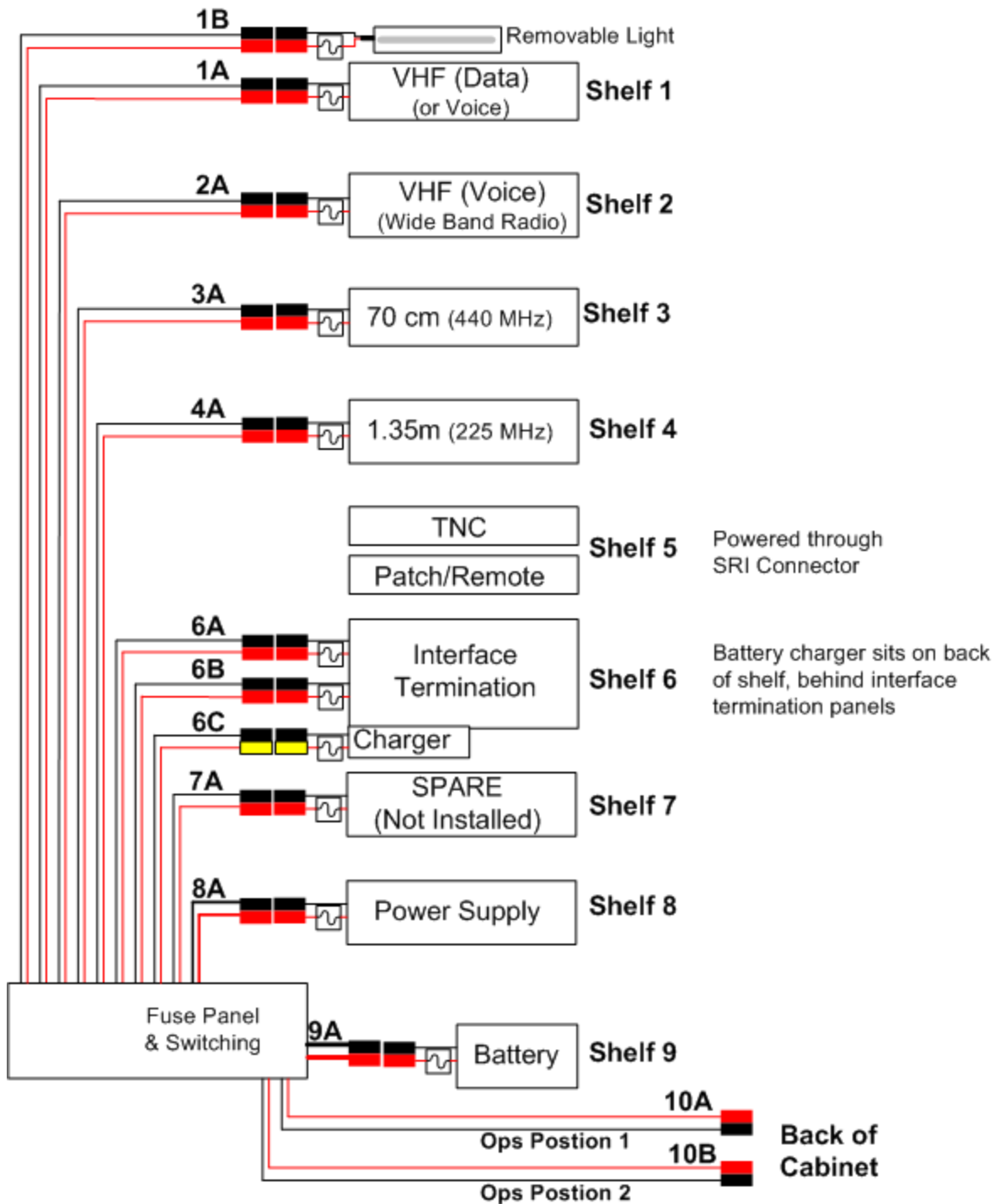
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EMRG-601 Red Cross (RC) Radio Cabinet

Drawing Title: **DC Wiring -LOADS**

Name: Peter Gamble

Version: 1.3

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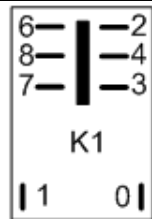
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Date: 2009-07-02

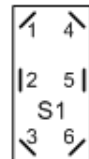
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FUSE ASSIGNMENT

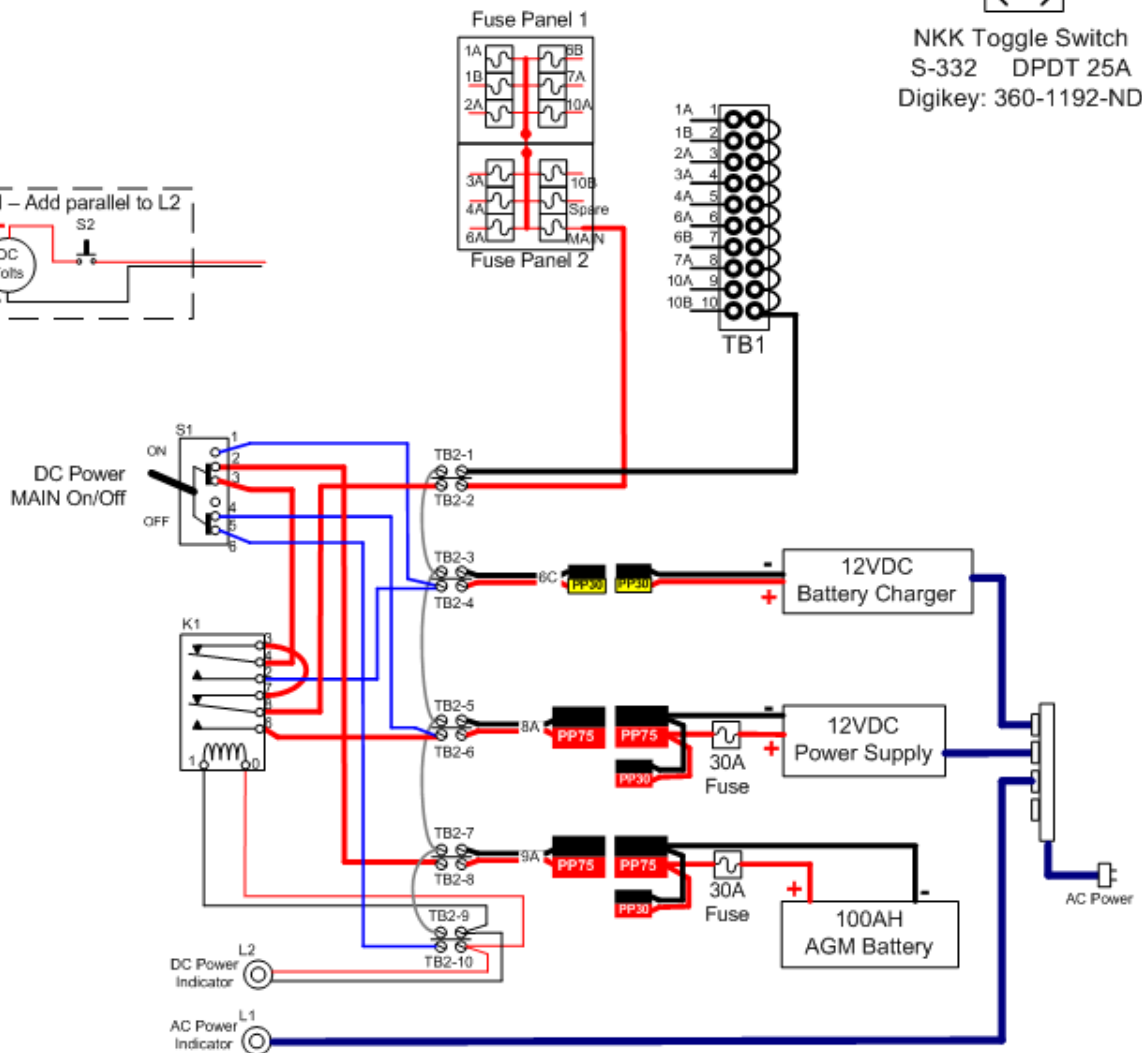
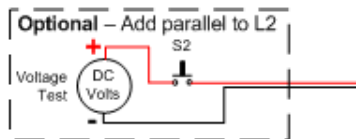
- 1-1** 15A - Shelf 1 (1A) (Radio 1 - VHF 144 Packet)
- 1-2** 15A - Shelf 1 (1B) (Auxiliary Power)
- 1-3** 15A - Shelf 2 (2A) (Radio 2 - VHF 144 Voice)
- 1-4** 15A - Shelf 3 (3A) (Radio 3 - UHF 440 Voice)
- 1-5** 15A - Shelf 4 (4A) (Radio 4 - VHF 220 Voice)
- 1-6** 7.5A - Shelf 6 (6A) (Powerpole Dual DC Outlet)
- 2-1** 7.5A - Shelf 6 (6B) (Cigarette Lighter DC Outlet)
- 2-2** 15A - Shelf 7 (7A) (Radio 5 - SPARE - HEPCO)
- 2-3** 10A Operations Position 1 (10A) (Audio Amp or Laptop PC Power)
- 2-4** 10A Operations Position 2 (10B) (Audio Amp or Laptop PC Power)
- 2-5** SPARE
- 2-6** 30A Master Fuse



Potter & Brumfield Relay
T92S11D22-12
DPDT 12VDC Coil 30A
Digikey: PB490-ND



NKK Toggle Switch
S-332 DPDT 25A
Digikey: 360-1192-ND



EMRG-601 Red Cross (RC) Radio Cabinet

Drawing Title: **DC Wiring - Detailed Control Wiring**

Name: Peter Gamble

Version: 1.3

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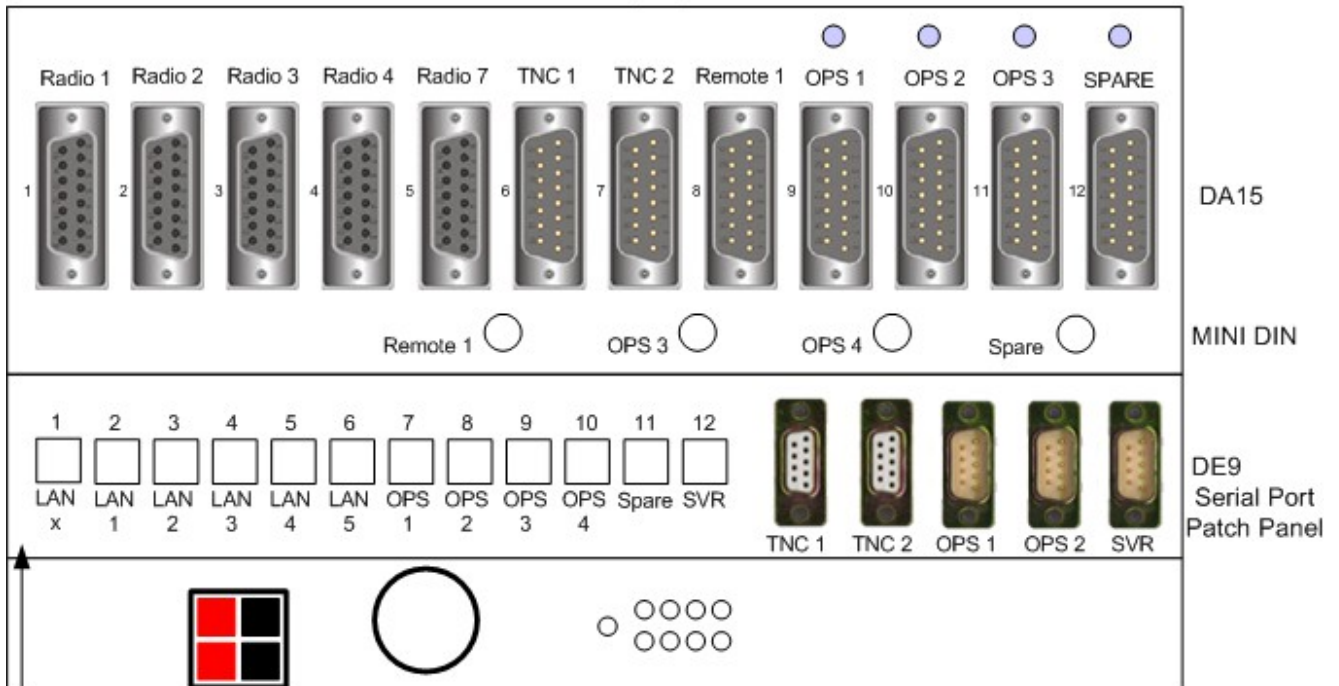
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Standard Radio Interface (SRI) Patch Panel



Auxiliary Power
Dual Powerpole

Auxiliary Power
Cigarette Lighter
Outlet

Holes to see LED
lights on LAN HUB

RJ45
Local Area Network
(LAN) Interface
Patch Panel

EMRG-601

Red Cross (RC) Radio Cabinet

Drawing Title: **Patch Panel Layout**

Name: Peter Gamble

Version: 1.3

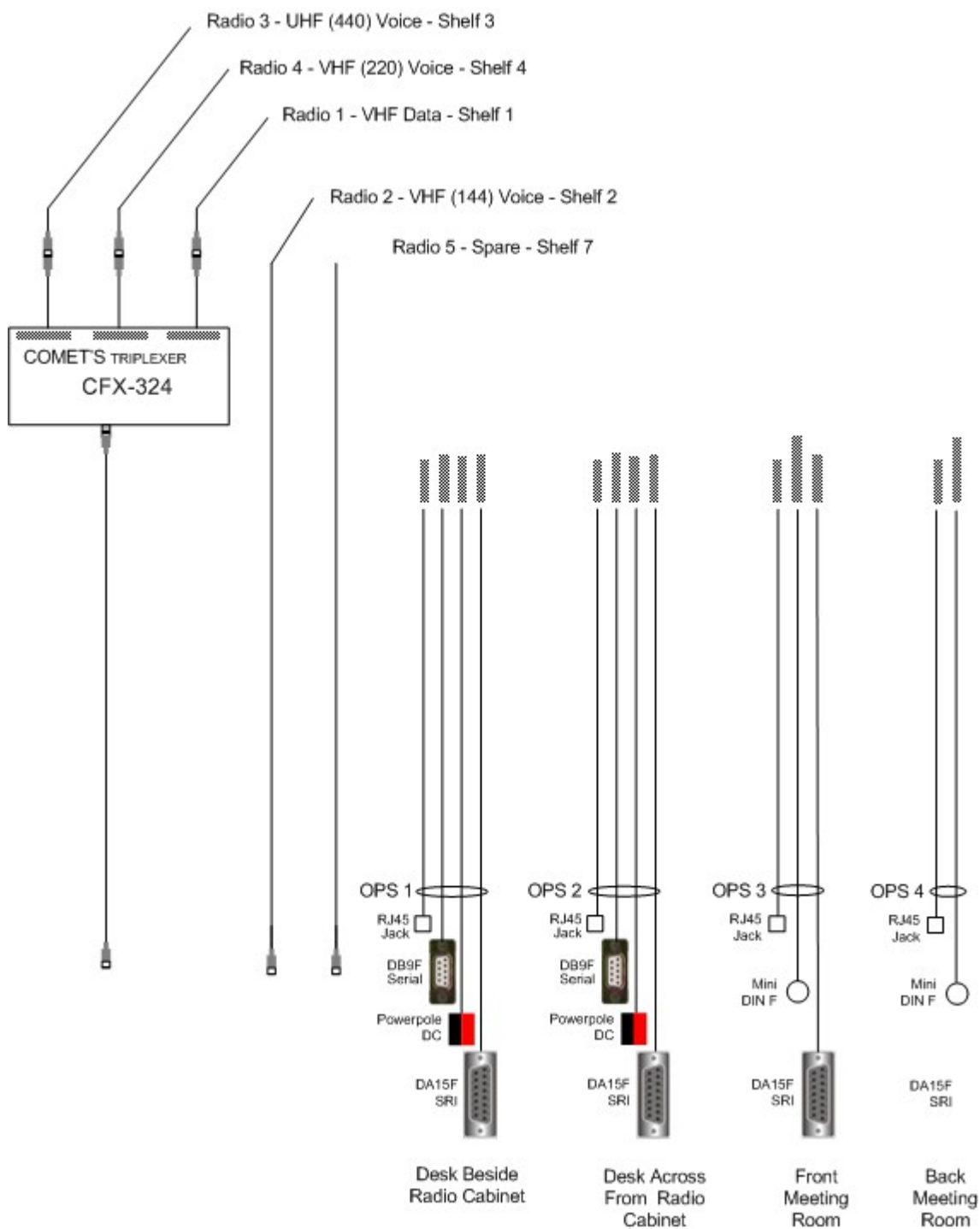
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EMRG-601

Red Cross (RC) Radio Cabinet

Drawing Title: **Back Cable Layout**

Name: Peter Gamble

Version: 1.3

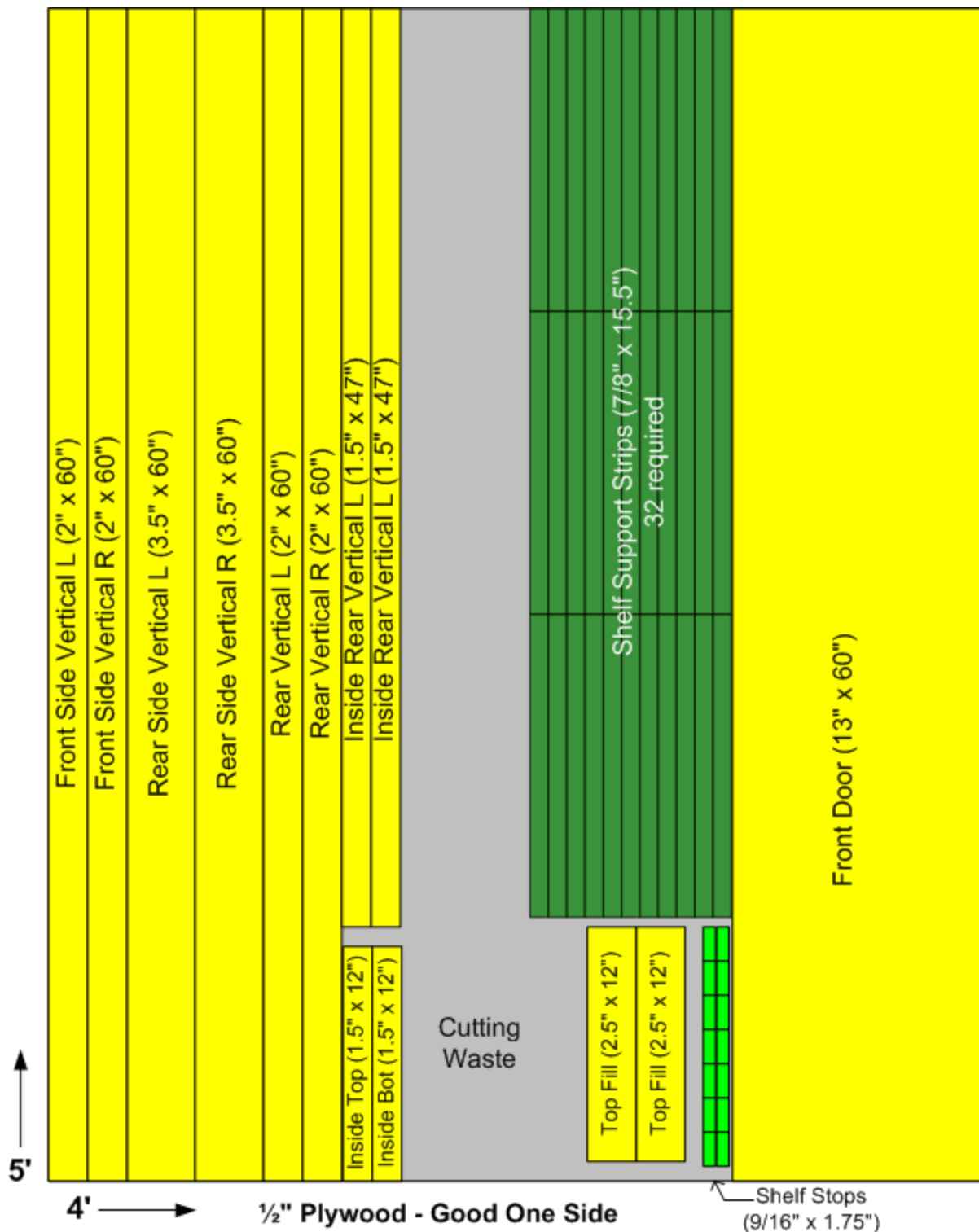
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Date: 2009-07-02

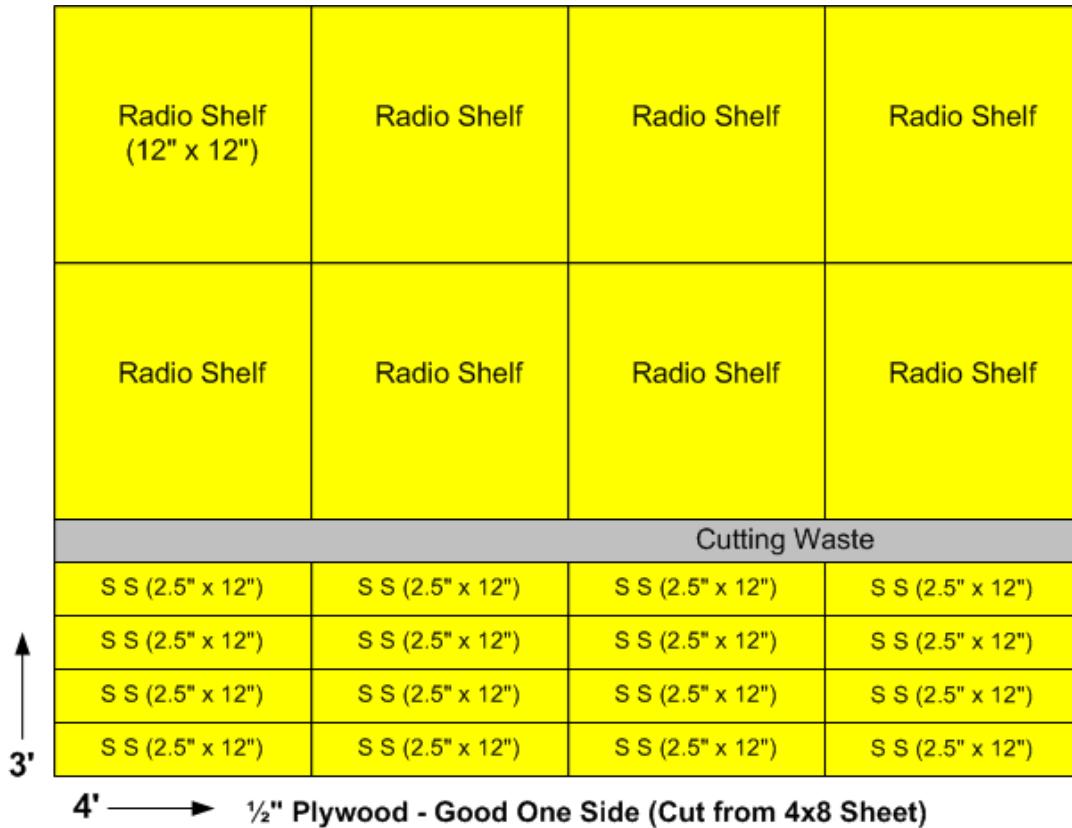
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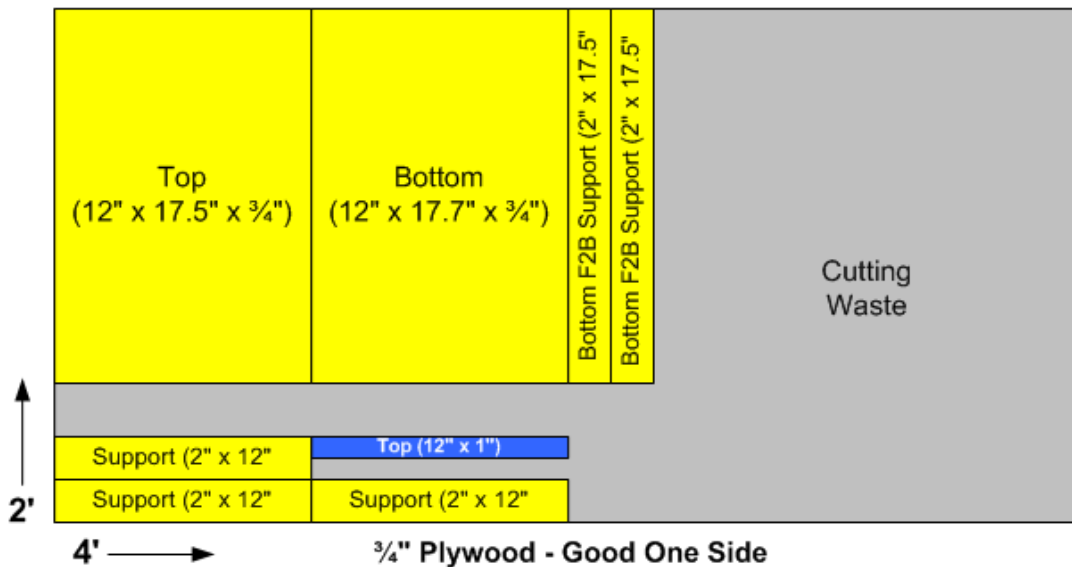
NOTE:

4' x 8' sheet of plywood can be cut at the store into two pieces; 4' x 5' + 4' x 3' for easier transport.

Drawing Title: Cutting Layout -1		EMRG-601 Red Cross (RC) Radio Cabinet	
Name: Peter Gamble		Version: 1.3	
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		Page: 9	



These pieces will be slightly less than 12" due to the width of the saw blade when cutting.



EMRG-601 Red Cross (RC) Radio Cabinet

Drawing Title: Cutting Layout -2

Name: Peter Gamble

Version: 1.3

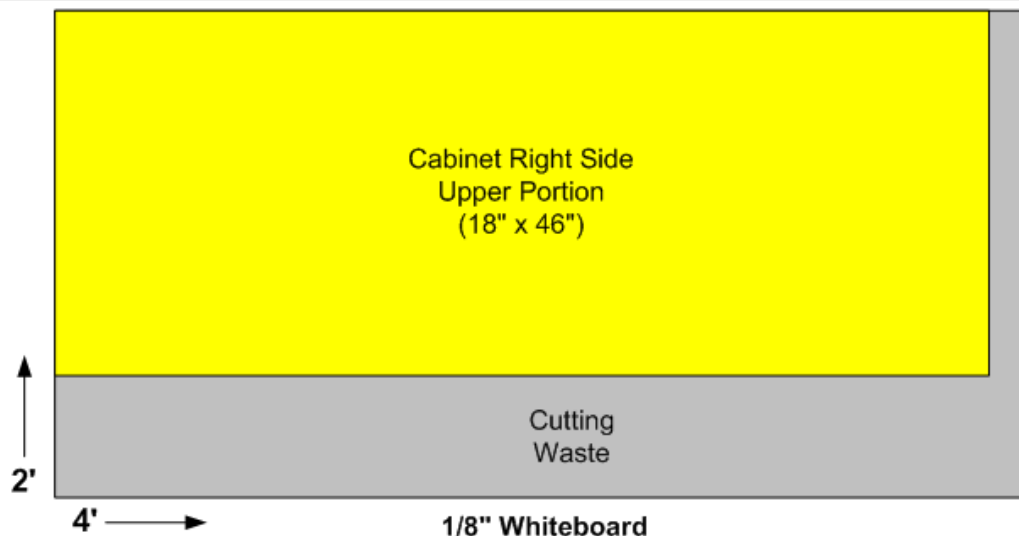
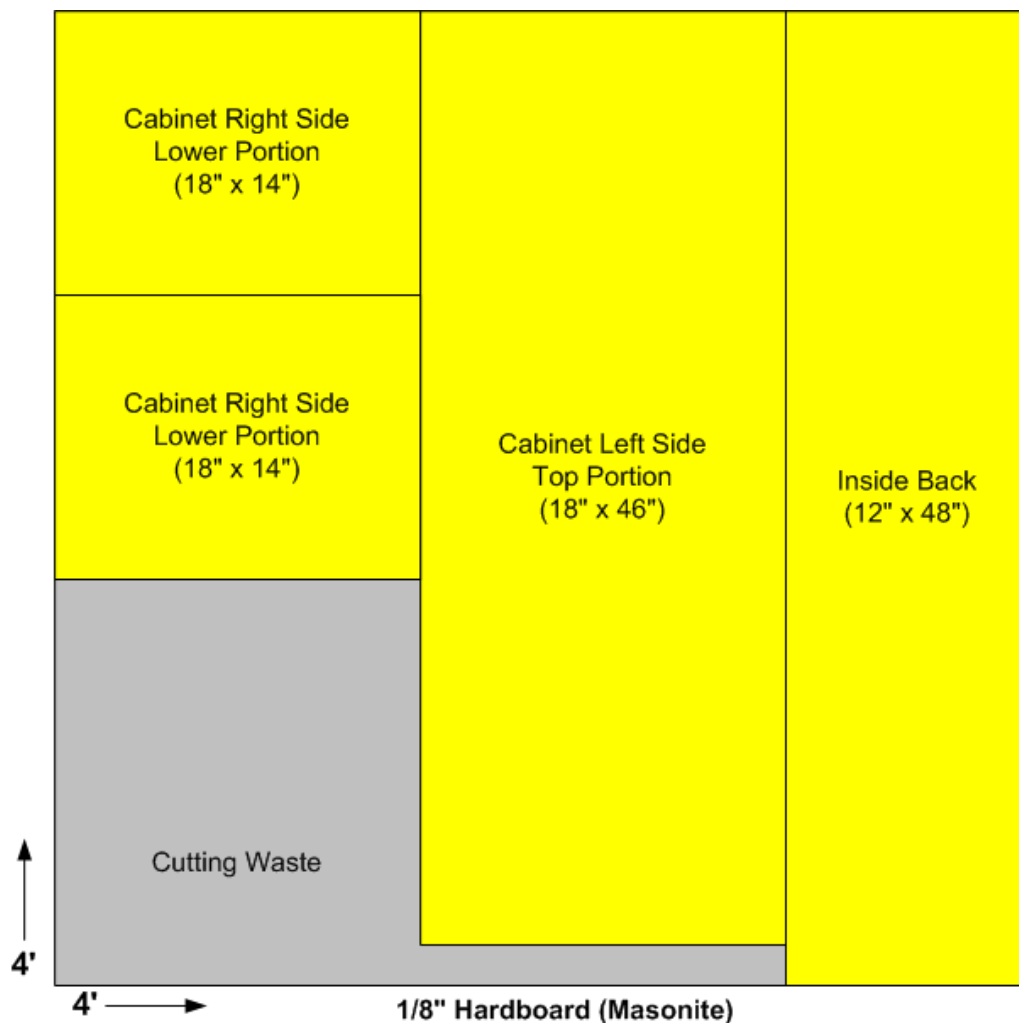
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EMRG-601 Red Cross (RC) Radio Cabinet

Drawing Title: **Cutting Layout -3**

Name: Peter Gamble

Version: 1.3

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