

RADIATION EMERGENCY SITUATION TRAILER

40ft. UNIT (PATENT PENDING)



GENERAL SPECIFICATIONS

- Uses standard 40 foot shipping container. Drop it and leave it.
- No set up time.
- Radiation barrier on four sides and roof of ½" (12.7mm) tungsten or 1 1/4" (31.75mm) iron impregnated silicone with the attenuation equivalence of 6 layers of standard 10 #/sf lead blankets. Floor protection available upon request.
- Thermally efficient walls, floor and ceiling for greater interior comfort using 2" (50mm) and 4" (100mm) structural insulated panels (SIP's)
- Totally self-contained including
 - Electric start gas powered generator for all power requirements
 - Split phase heating and air conditioning unit
 - Positive air pressure interior space using HEPA filtered supply air
 - Inside step-off area
 - Interior lighting and power supply (Ethernet cabling and WiFi transmission available)
 - Easy maintenance smooth metal interior surfaces for contamination control
 - Interior equipment, furnishing and finish to customer requirements

*POINT SOURCE INTENSITY			**REST UNIT MIN. DISTANCE	
REM	mSv	μSv	FEET	METERS
2	20	20,000	14.1	4.30
5	50	50,000	22.4	6.83
10	100	100,000	31.6	9.64
20	200	200,000	44.7	13.63
50	500	500,000	70.7	21.56
100	1,000	1,000,000	100.0	30.5
* SOURCE INTENSITY OF A POINT SOURCE MEASURED 1 ft. (0.3M) FROM SOURCE				
** DESCRIBES THE MINIMUM DISTANCE FROM POINT SOURCE NEEDED TO ACHIEVE 50 μSv INSIDE THE REST UNIT				
*** CALCULATED USING 1.25" (31.75mm) THK. IRON IMPREGNATED SILFLEX OR .5" (12.7mm) THK. TUNGSTEN IMPREGNATED SILFLEX				



RADIATION EMERGENCY SITUATION TRAILER

40ft. UNIT (PATENT PENDING)

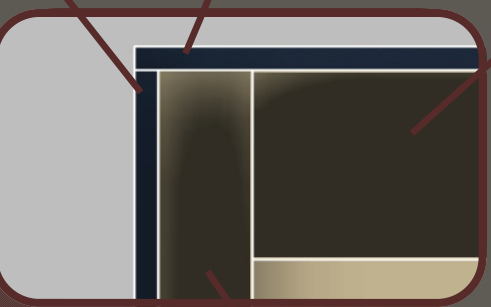


2-2" SIPS PANELS
WITH SILFLEX™
(TYPICAL)

SILFLEX™

SILFLEX™

4" SIPS CEILING PANEL



CORNER
CEILING
DETAIL

2" SIPS WALL PANEL



2" SIPS WALL PANEL

2" SIPS FLOOR PANEL

CORNER
FLOOR
DETAIL

SILFLEX™

SILFLEX™

