
SRS-SUSTAINABLE
RANGE SHELTER®
Green, Safe, Multi Use, Affordable and No Environmental Impact
PATENT NO: 8,479,464 B2
International Program Group (IPG)
DUNNS: 783 22 44 05
CAGE CODE: 41ED8
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Cedarville CA 96104
A SBA Certified HUBZone Company
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IPG

The SRS Product Line was Developed Specifically for Live Fire Training Ranges

These highly durable structures employ shoot-through technology that provides very realistic live-fire training for our military service personnel

Only Shoot-through Structure in Use by U.S. Military Today

SRS™ in Training Areas – Camp Pendleton

SRS™ in Training Areas – Camp Pendleton

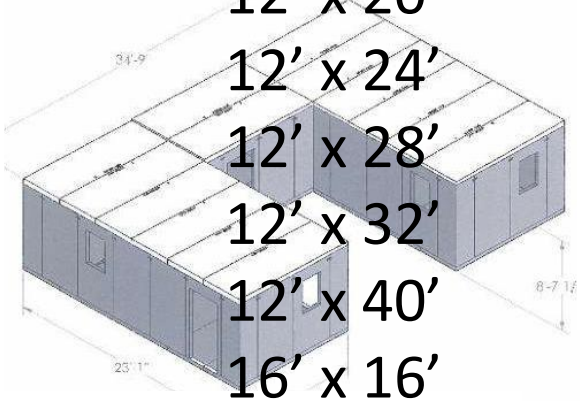
SRS Units – Suitability for Purpose

- The SRS Product was developed specifically for live fire training exercises in all types of terrain, climates, and weather conditions – from high mountains to dry deserts to steamy jungles
  - Realistic training with 1 and 2 story structures with single and multiple rooms
  - Able to withstand thousands of rounds of bullet penetrations without affecting integrity of structure
    - Over time, individual panels can be replaced as they become excessively damaged
  - High strength SRS units suitable for :
    - Heavy snow load and high wind load environments
    - Heavy rainfall conditions and extreme seismic forces
  - Personnel safety is top priority
    - No ricochets due to precise “thinness” of metal skins (26 gauge) and no other metal except for cam-locks
    - No fire danger due to Class 1 fire rating of polyurethane foam and no wood
    - Roof members are strong enough to support fully loaded combat personnel

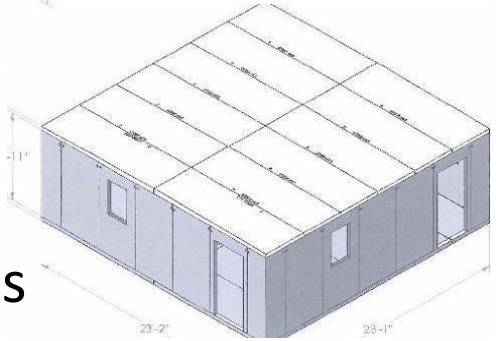
*** Each Unit is Certified by a California Structural Engineer**

Multiple Configuration Types

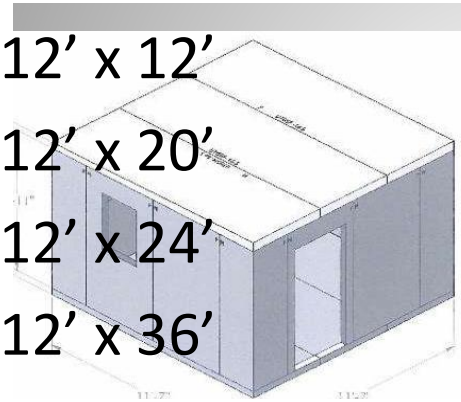
- <u>Single Story</u>
  - 8’ x 12’
  - 12’ x 12’
  - 12’ x 20’
  - 12’ x 24’
  - 12’ x 28’
  - 12’ x 32’
  - 12’ x 40’
  - 16’ x 16’
  - 24’ x 24’

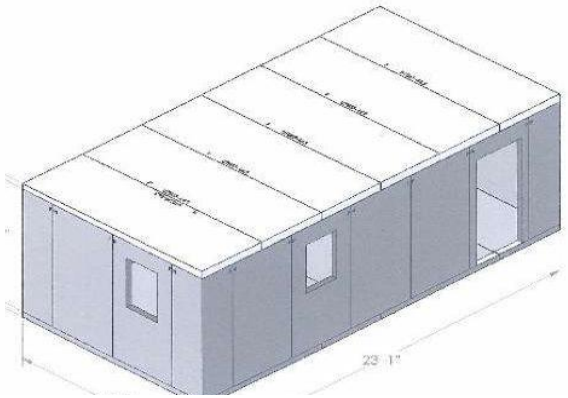


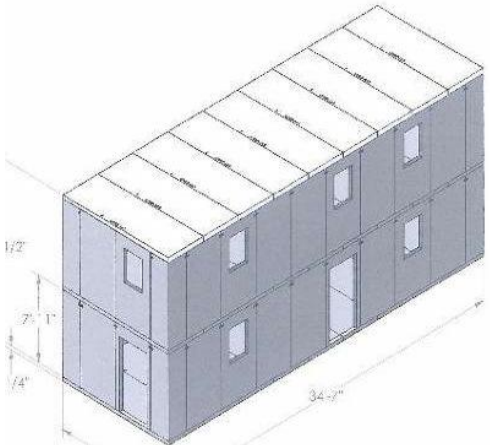
Courtyard Walls



- <u>2 Story</u>
  - 12’ x 12’
  - 12’ x 20’
  - 12’ x 24’
  - 12’ x 36’
  - 12’ x 40’





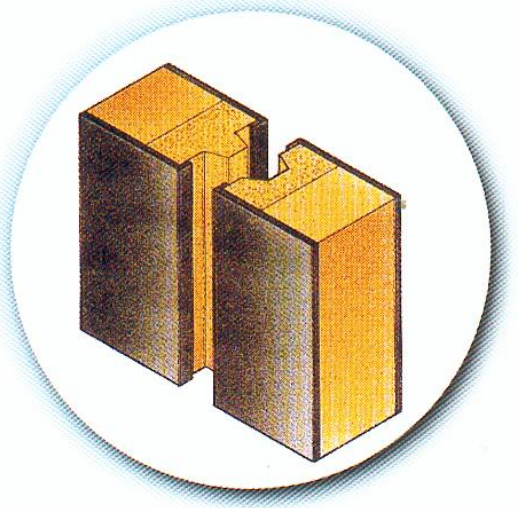


Multi Room or Single Room, 1 or 2 Story Configuration

Multi-Room at Case Springs
Camp Pendleton

Red Beach Village – Camp Pendleton

SRS Design Features



- SRS Panel Construction
  - High density polyurethane frame material
    - No wood
  - Panel joints are tongue & groove and sealed with gasket material
  - Panels are locked together with industrial grade Cam-Lock devices
    - Cam-locks are epoxy coated for protection against extreme weather conditions
    - Each panel has 2 “extra” cam-locks so that structural integrity is maintained even if 1 or 2 cam-locks get damaged
  - Nominal panel sizes are 4’ wide by 8’ to12’ long and 3½” thick
  - Metal “skins” are zinc plated and then coated with a highly durable baked-on paint finish
    - No rusting or paint pealing for many years under extreme climate conditions

Live Fire Training - Camp Pendleton

Low door height typical in 3rd world countries

Strong roofs safely support combat personnel

SRS – Environmental Features and Benefits

- Environmentally Friendly
  - No special foundation requirements
    - Floor support timbers set directly on ground
    - No excavation of ground for support timbers
  - No installation debris
    - Shipping pallet material is used for floor support structure
      - 4” x 4” pressure treated wood timbers
  - Green product
    - No hazardous materials
    - SRS materials are completely landfill compliant
  - No problem with birds nesting under roof eaves
    - Flat roof with no overhang
  - Endangered Species are not negatively impacted
    - Floor panels set on top of 4x4 timbers with space for small animals to pass through

SRS – Features & Benefits of Polyurethane

- All SRS units are “pressure injected” with polyurethane foam (3.5” thick) which provides additional features and benefits
  - Polyurethane foam has a Class 1 Fire Rating
    - Does not melt(unlike polystyrene used by some competitors)
    - Will not burn without a constant fire source (unlike polystyrene)
  - Able to withstand very high wind loads
  - Able to withstand strong earthquake activity
    - Panels have ability to “flex” without damage due to polyurethane properties
  - Able to withstand significant amounts of water exposure without damage
    - Polyurethane is a “closed cell” material that will not absorb water
  - Able to eliminate termite/insect damage
    - Polyurethane foam contains no cellulose (wood fiber) and is NOT a food source for insects
  - Polyurethane provides very high insulation values
    - 3.5” thick walls provide an R Value of 25

SRS - Environmentally Compatible

SRS - Installation and Maintenance

- Installation
  - No special installation ***equipment*** is required
    - Panels are light enough to be moved and lifted by hand
    - In order to quickly offload the pallets from the delivery truck, a forklift is recommended, but not required
  - No special installation ***tools*** are required
    - Standard tools include shovels, hand level, hand saw, cordless drill, step ladder, hammer, and cam-lock wrench (wrench included in parts kit)
  - Only basic installation knowledge and training is required
    - Complete written installation instructions are included
    - Factory trained installation personnel are available for training, if requested
  - SRS installation is relatively easy and fast once the installation personnel have some basic training and/or construction experience
  - SRS units can be easily disassembled and relocated to another site

Arrival of SRS™ Aboard Trucks

A forklift is recommended for off-loading but individual sections can be off-loaded by hand if necessary

Preparing the Foundation

Timbers lay on top of ground with minimal excavation – They are locked in place with 12” spikes

SRS Installation Process

Installing floor units on top of support timbers

Arranging wall units in preparation for assembly

Assembling the SRS™

Securing Cam Locks and Anchoring System

Locking roof cam-locks

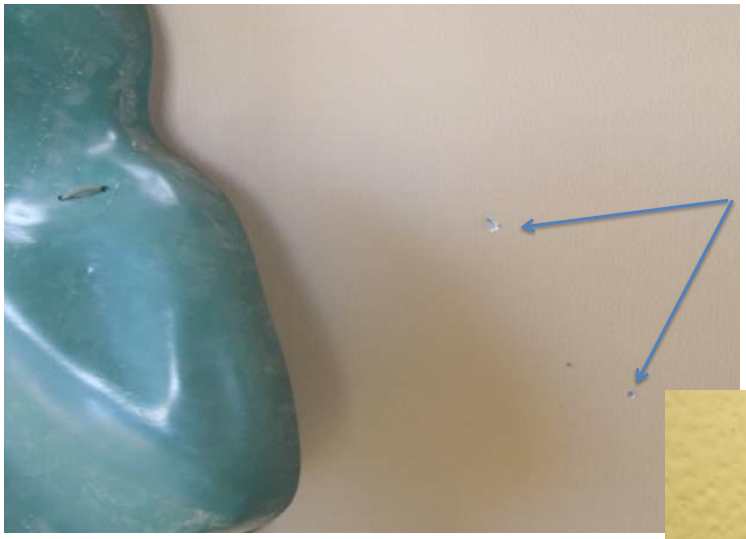
Earth anchors for high wind environments

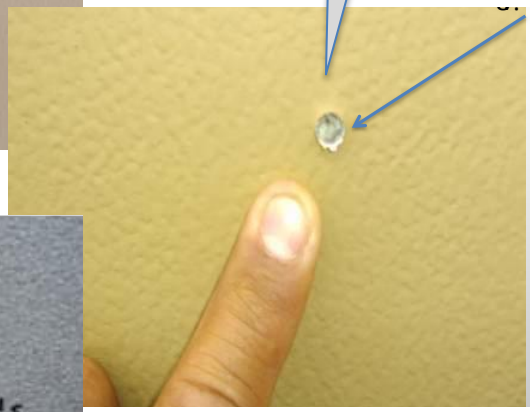
Installing the Roof

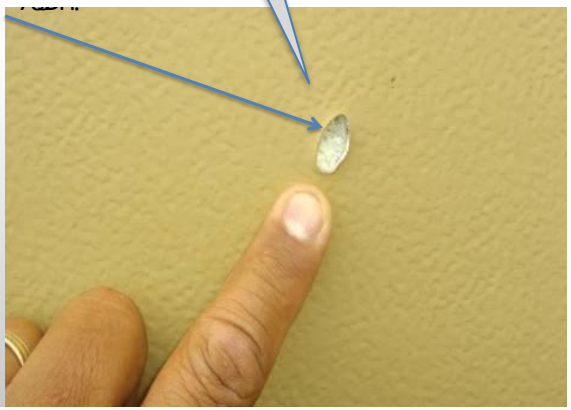
SRS - Repair & Maintenance

- Maintenance and Relocation
  - SRS units are very durable, but with repetitive live fire exercises, damage will occur
  - Bullet hole damage can be easily repaired
    - The entry hole can be left as is, or filled with caulk
    - The hole through the wall unit is typically self-closing due to the "expansion/contraction" properties of the polyurethane material in the wall units
    - The exit hole in the sheet metal skin can be "flattened" with a hammer and then covered with caulk
  - If the individual wall units are severely damaged, that individual section can easily be removed and replaced with a new section
  - Due to the ability of the Cam-Locks to be locked and unlocked numerous times, complete SRS units can be easily disassembled and relocated multiple times without damage

Ballistic Penetration (NATO BALL)







7.62 Entry hole

7.62 Exit hole

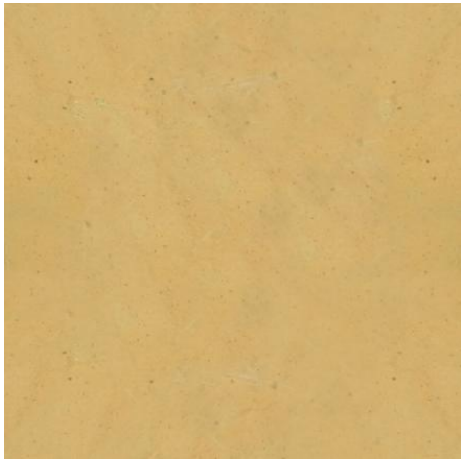
SRS - Surface Paint and Coverings

- Exterior Paint Finishes and Textures
  - Sheet metal is zinc coated (G60 thickness) and then a highly durable baked-on paint is applied
  - Paint is guaranteed against defects and pealing for up to 25 years (depending on color and texture)
  - Various paint colors and textures are available
    - “Favorite Tan” has been selected by the US Military on most projects
  - Optional low sheen surface available for use with laser guided targeting systems
    - This has been a standard requirement for all US Military projects

SRS - Surface Paint and Coverings

- For “Atmospheric Projects”, a revolutionary new *Operation Area Specific* paint technology is now available
  - 3-color painting process provides very realistic appearances (similar to wrap material)
  - Various textures are painted and baked on with a proprietary process; not applied with surface “vinyl wrap material”
    - **Mud** Hut and **Rock** Wall textures for Middle East
    - **Bamboo** Wall texture for Asia
    - **Brick** Wall and **Block** Wall textures for Eastern Europe
    - Other textures and appearances per customer requests
  - Up to 80% cost savings over wrap material
  - Will not peal and fade like wrap material
    - Guaranteed for up to 25 years depending on color and texture
  - Easy to tear down and relocate buildings without damage (not possible with wrap material)
  - Color scheme can be changed to “fit” the intended environment

Texture Options (Plus others)



Mud

Stone

Bamboo

Stucco

Texture Options by Competition

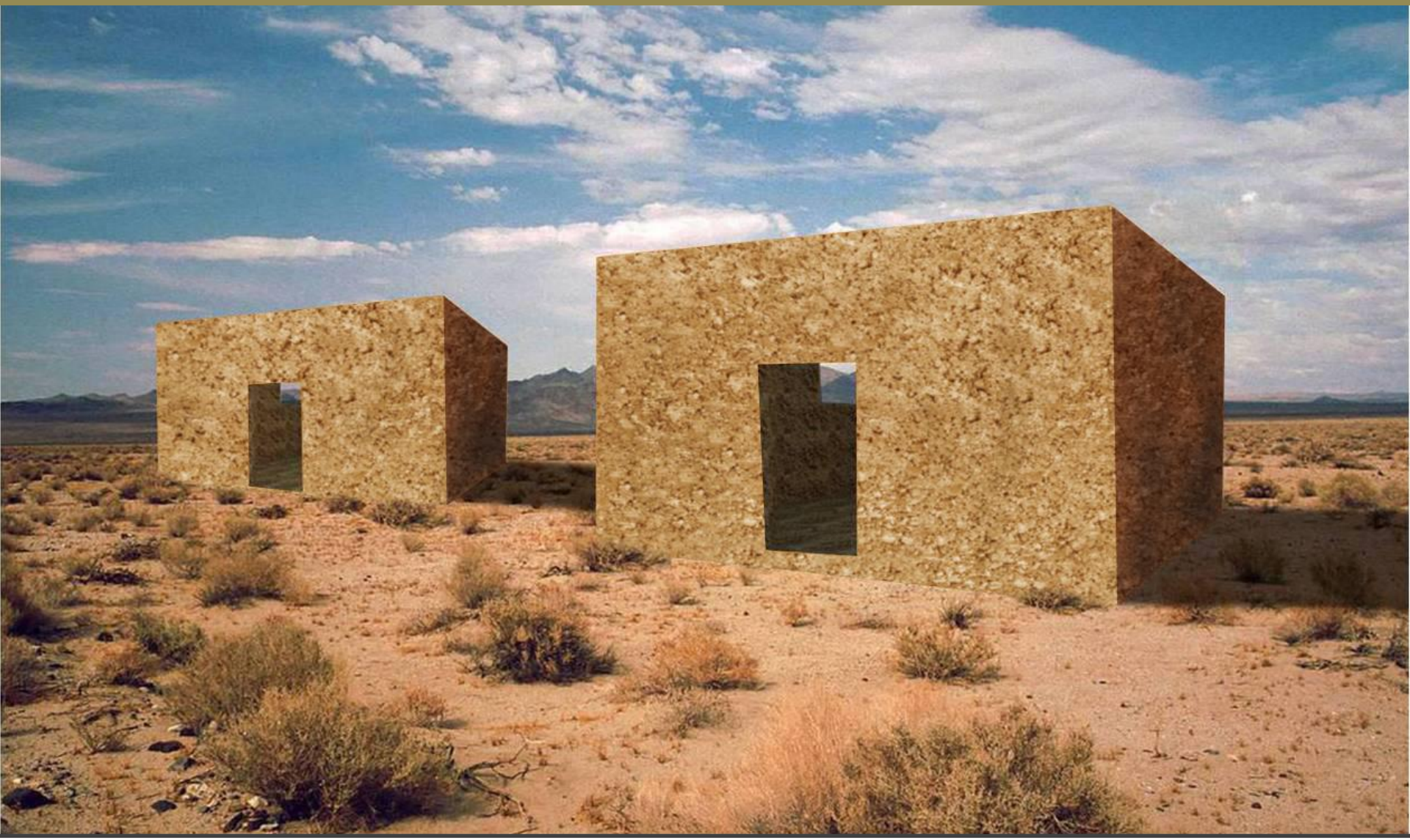
SRS™ Atmospheric Texture Designs (Rock)

SRS™ Atmospheric Texture Designs (Bamboo)

SRS™ Atmospheric Texture Designs

SRS™ Atmospheric Texture Designs

SRS™ Atmospheric Texture Designs



SRS - Options and other Uses

- Additional Uses of SRS Product
  - Non-Live Fire training ranges
  - Courtyard walls
    - Both temporary or permanent
  - Atmospherics projects (local village compounds; area specific)
  - Military training bases (FOB and other)
  - Military housing compounds (temporary or permanent)
  - Blast house training units
  - Ballistic walls and structures
    - Ballistic material integrated into (or surface attached to) standard SRS product
  - Disaster relief housing (temporary or permanent)
  - Refugee camps and compounds

Walled-In Compound

Permanent Wall System

Through its manufacturing partner, KPS Global, IPG has the capability to replicate the project pictured above by using SRS panels and technology

Reinforced Roof and Adjustable Aluminum Floor Support System for Rough Terrain

Atmospherics Project
Simulated Afghan Village

Through its manufacturing partner, KPS Global, IPG has the capability to replicate the project pictured above by using SRS panels and technology

Atmospherics Project
Simulated Afghan Village

Through its manufacturing partner, KPS Global, IPG has the capability to replicate the project pictured above by using SRS panels and technology

Simulated Forward Operation Base

Through its manufacturing partner, KPS Global, IPG has the capability to replicate the project pictured above by using SRS panels and technology

“Blast House” Training - Quantico

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“Blast House” Training - Quantico

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Recap SRS™ Features & Benefits

Major Features and Benefits of SRS Product

- Designed Specifically for Live-Fire, Shoot-Through Training , but equally suited for Non Live-Fire and Atmospherics projects
- Robust Design and Long Lasting
- Multiple Configurations – 1 and 2 story
- No Environmental Damage
- Easy to Install and Maintain - no special tools or equipment
- Easy to Disassemble and Relocate
- Wide variety of Paint Colors and Textures
  - With up to 80% cost savings over “vinyl wrap” products
- SRS Technology can be effectively used for <u>many</u> applications

- ***SRS Technology Protected by U.S. Patent 8,479,464 B2***

Project History for SRS Product

- Prior to 9/11, the Marine Corps identified the requirement to provide live fire urban training that would help reduce the risk of friendly fire caused by bullet over-penetration during close quarter battle. Building structures in both Iraq and Afghanistan proved their concerns correct
- This problem emphasized the need for realistic live-fire training using "shoot-through" structures
- The Marine Corps initiated a request for such a product in 2008 and asked American industry to develop such a product; several companies responded to the request, but the various products had significant limitations such as high cost, low durability, heavy weight, safety problems with ricochets, difficult installations, etc.
- The SRS Product was developed in 2009 and 2010 in a joint development effort between IPG and KPS Global
- The first 30 units were shipped to Camp Pendleton in April 2010 and set up as a live-fire training course; this initial exercise was highly successful and since that time, several more live-fire shoot-through ranges have been set up at Camp Pendleton
- **Between 2010 and 2015, over 400 SRS units have been installed at various military bases in North America**

A Few Items of Interest Regarding IPG

- Len Holzworth is the founder and CEO of International Program Group (IPG) which was formed in 1987
- Since its' inception, IPG's entire focus has been on Military and Security Training, and Training Support
- IPG developed the SRS product line in cooperation with and support of the USMC
- IPG has been involved in 28 highly successful military projects over the past 14 years and its customers include the USMC, US Army, US Special Forces, Navy Seals, and OGA
- IPG is a HUBZone Company located in northern California
  - All IPG projects provide badly needed economic support and income for local people in an economically depressed area
- In honor of Len's many years of support of the US Military and the US Intelligence Community, a US flag was flown in his honor over the Capital building in Washington DC on January 20, 2016 and is now proudly displayed at his home in California

Thank You