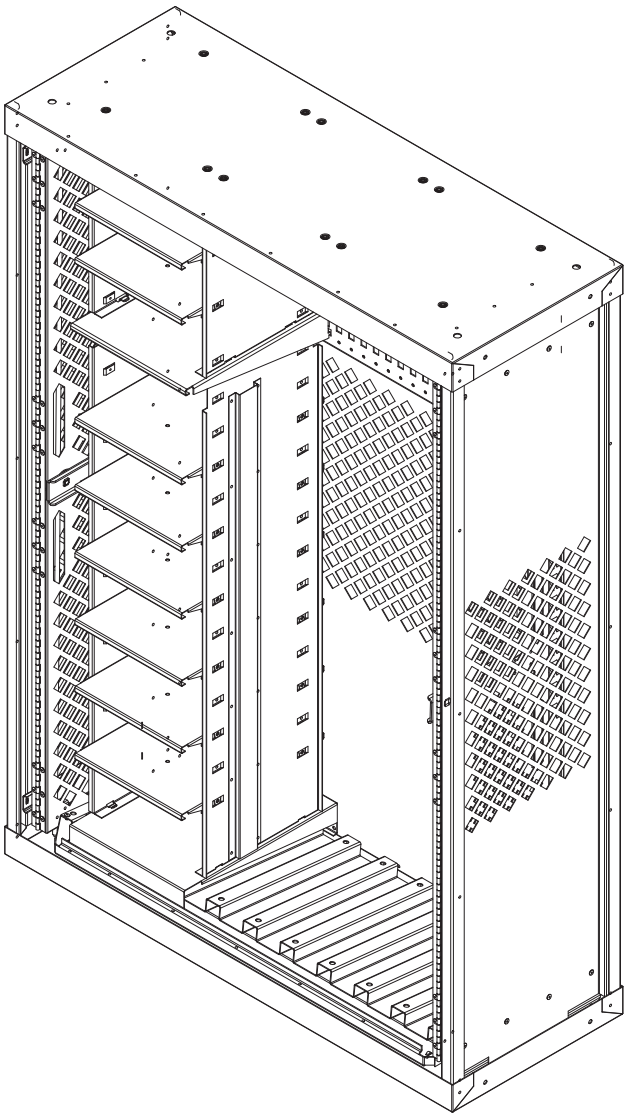
SOUTHWESTSOLUTIONSGROUP

Installation Instructions

Universal Weapons Rack

Required tools include:

- Dead Blow Rubber Mallet
- Measuring Rule or Tape



IMPORTANT! If you require assistance, or if there are parts missing, please contact Spacesaver at:
1-877-274-3043
fax: 1-877-274-3044 • email: info@spacesaver.com
visit our website: www.spacesaver.com

⚠ Warning

Failure to follow the instructions in this booklet may result in property damage and serious injury.

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Safety and Pre-Installation

Before you begin installation:

1. Read through the assembly procedure before starting the project.
2. Understand all safety statements.
3. Use the Sample Bin Configurations below to plan your weapon layout and determine height and mounting location of the cabinet components.
3. Make sure your system will fit within the desired location.
4. Plan to assemble the system where it will be used. Make sure location is clean and flat.
5. Have the necessary tools for assembling the unit.
6. Use of safety glasses and gloves is recommended. (Certain parts may have sharp edges.)

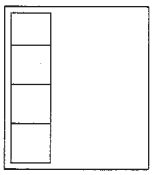
⚠ Warning

- **The weapon storage system should only be affixed to a flat surface.**
- **Assembled units must rest on flat surface for proper stability.**
- **Never climb on the system. The system is not designed or intended to be used as a climbing surface.**
- **Distribute weight evenly.**
- **Do not overload the system. Each shelf has an evenly distributed 50 lb. per linear ft. maximum capacity limit.**
- **Items that are unstable, that may roll, slide or cause personal injury, should be stored in a manner that will remain secure during operation.**
- **Each unit is designed for loads within the framework of the unit itself.**

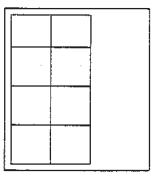
Sample Bin Configurations

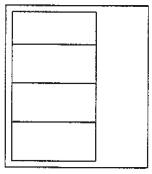
NOTE: Overstorage Cabinet adds 18" to cabinet height.
Cart Assembly adds 6.8" to cabinet height.

Standard Height Cabinets (45")

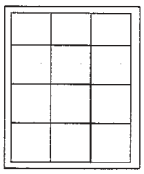


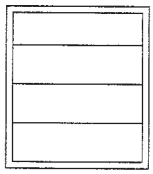
1/3 wide Vertical Bin Storage configuration occupies 1/3 of the cabinet from left to right.





2/3 wide Vertical Bin Storage configuration occupies 2/3 of the cabinet from left to right. May have two sets of single shelves or 2/3 wide shelves minus the center panels.

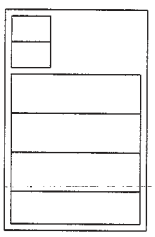


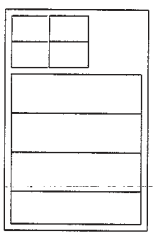


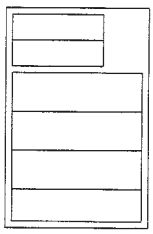
Full width Vertical Bin Storage configuration occupies full width of the cabinet. May have three sets of single shelves or full width shelves minus the center panels.

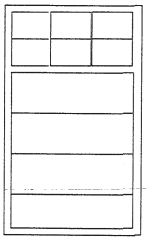
Tall Cabinets (61")

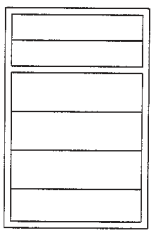
Lower Vertical Bin Storage configurations are the same as above. Upper Horizontal bins are added to fill the space gained by the taller cabinet and may be configured with 1/3, 2/3 or full width shelves.





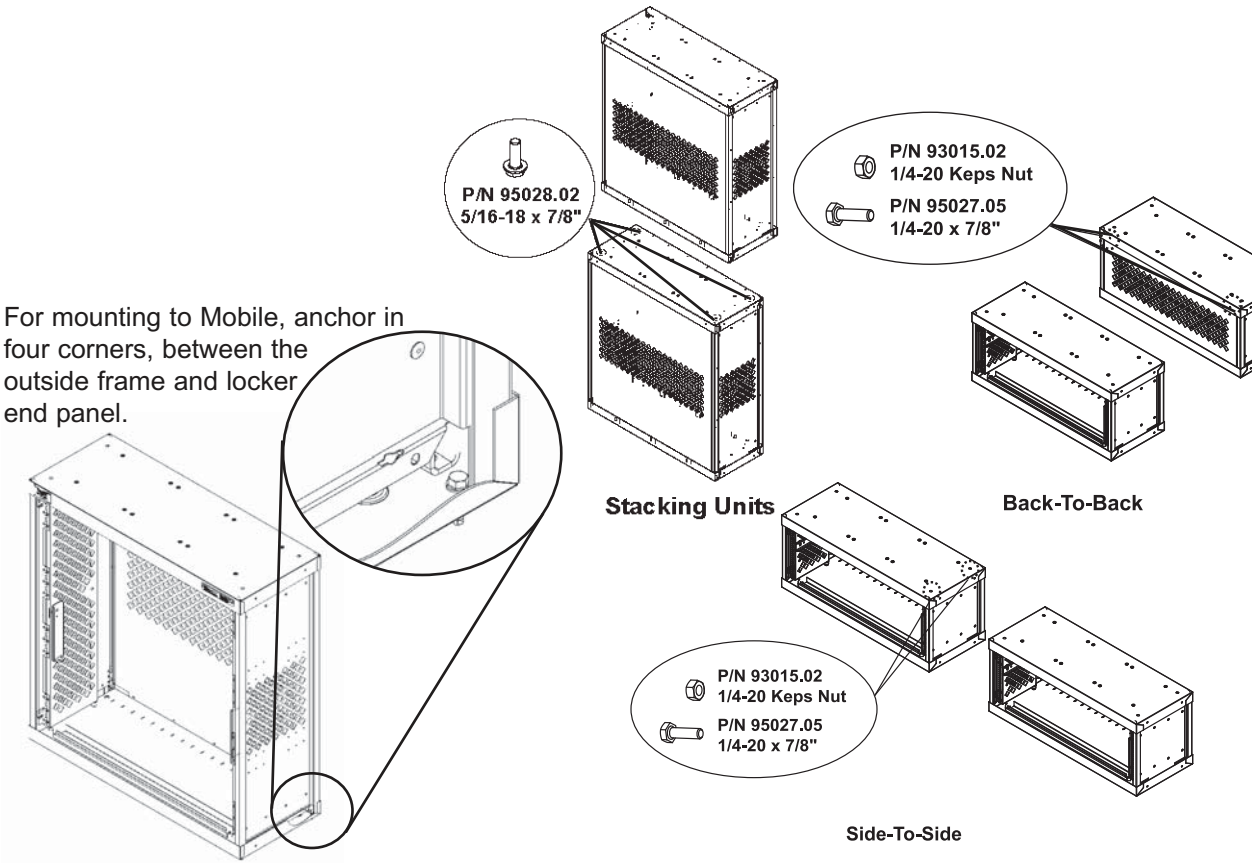






Multiple Cabinets

Cabinets may be ganged together or stacked and secured with hardware (included), and placed on high-density mobile systems. Use appropriate hardware, in each corner, per local codes when mounting to mobile systems.

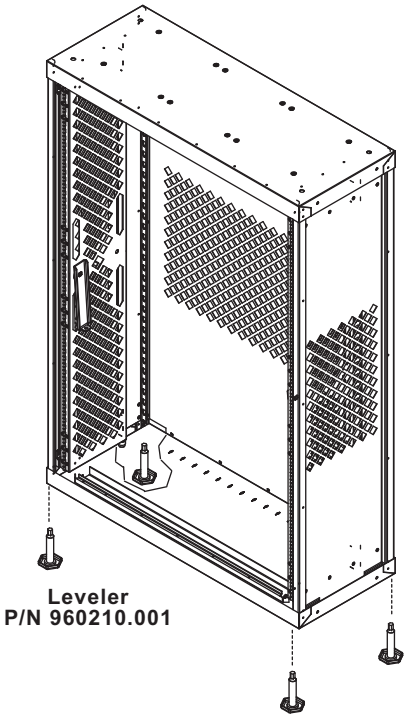


For mounting to Mobile, anchor in four corners, between the outside frame and locker end panel.

Levelers

Levelers if needed for unlevel surface, should be installed prior to assembly. If levelers are not used, cabinet should be placed on level surface.

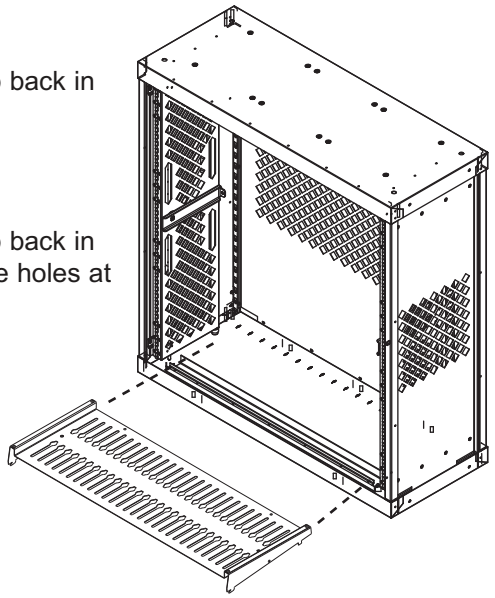
The levelers screw into holes located on the bottom of the cabinet at each corner.



Assembly

Base

Insert bottom hooks on base into front slot in cabinet and drop back in place.



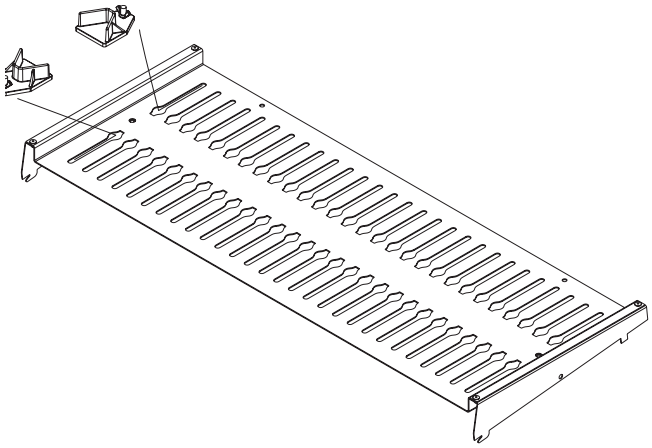
Universal Base

Insert bottom hooks on base into front slot in cabinet and drop back in place. Universal base must be mounted to the cabinet into the holes at rear of base with tek screws (included).

Stock Cups

The stock cups are placed into the universal base by inserting the carriage bolt head through the round portion of the key-hole slot. The stock cup may then slide into the slot. Once in the correct postion, turn the wing nut to secure in place. Two stock cups (one in front and one in back) are required for each weapon for transport. See below for cup placement examples.

NOTE: *Special stock cups for large/heavy weapons also exist. For these weapons 1 or 2 stock cups may be used depending upon the weapon type. See parts list for examples.*



Stock Cup Placement Guide

For even placement of stock cups using standard weapon stocks, use the following slot locations:

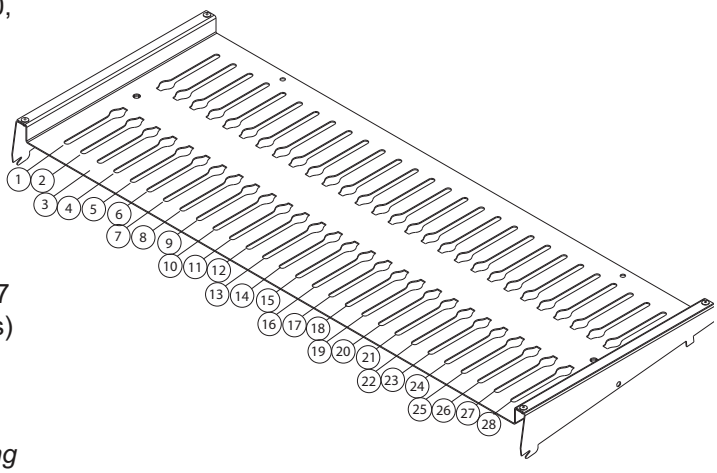
10 weapons: Use slots 1, 4, 7, 10, 13, 16, 19, 22, 25 and 28

9 weapons: Use slots 2, 5, 8, 11, 14, 17, 20, 23 and 26

8 weapons: Use slots 1, 5, 9, 13, 17, 21, 25 and 28

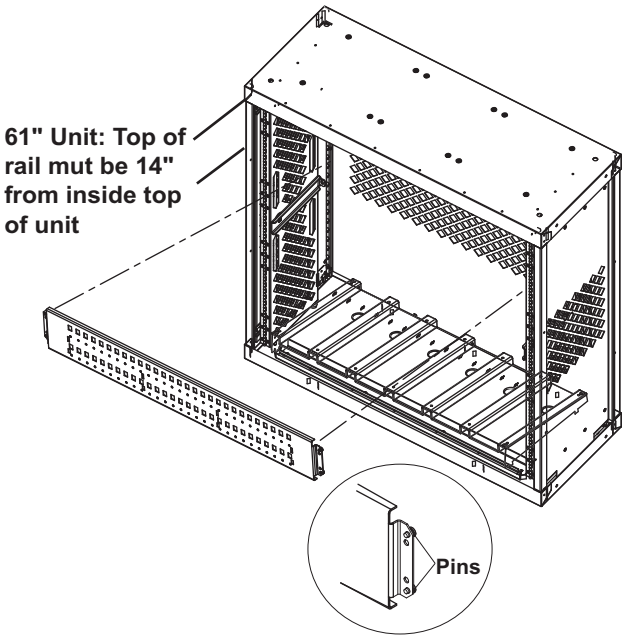
7 weapons: Use slots 2, 6, 10, 14, 18, 22 and 26

6 weapons: Use slots 2, 7, 12, 17, 22 and 27 (ie. M60s) or 1,6,11,18, 21 and 26 (ie. M249s)



NOTE: *These are guidelines for standard weapons without gear/optics attached. Weapons with optics attached, side charging handles, non-standard stocks, spade grips, etc., may require an adjustment in spacing.*

Support Rail



NOTE: *The number of support rails installed and position will vary depending on cabinet height and type of weapons to be stored.*

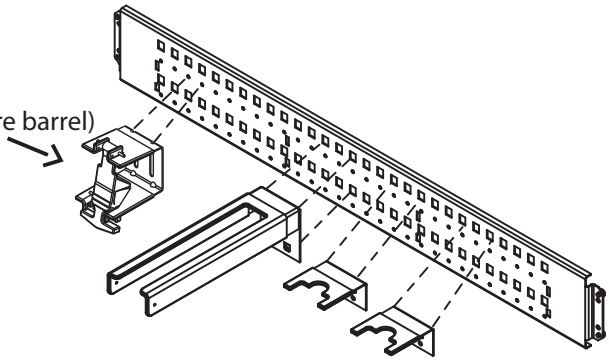
If installing Horizontal Bin Storage shelves in 61" unit, the top rail should be 14" from the underside of the top of cabinet to the top of the rail.

1. Install the topmost support rail into the cabinet. The support rail pins must engage the keyhole slots located at the rear of the cabinet on the corner posts. Use a soft dead blow hammer to drive pins into place.
2. Repeat for any other support rails. Space additional rails accordingly.

NOTE: *When used for transport, the heavy duty support rail is required.*

Barrel Rest(s)

NOTE: *The number of barrel rests installed and location on support rail will vary depending on type of weapons to be stored.*



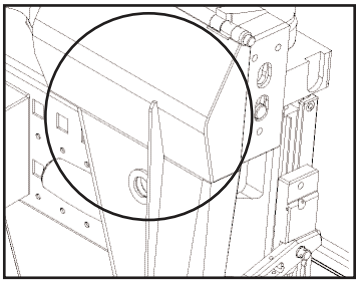
1. Barrel rests are equipped with tabs that engage slots on the support rail.
2. Place barrel rest in the desired location and drive tab into slot using soft face dead hammer. If installing Bin Storage system, be sure to leave room for installation.

NOTE: *Barrel rest may be fastened in to the support rail with self-tapping screws (supplied) if desired. It is recommended to use a power tool when installing the self-tapping screws.*

Secure Barrel Support (Transportability)

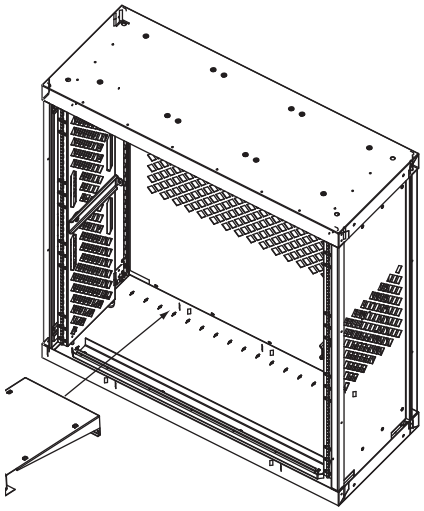
1. Barrel Supports have 1 1/2” long slots that line up with the holes on the support rail (not the square slots).
2. Place barrel support in the desired location and fasten onto support rail with self-tapping screws (supplied). Do not tighten until adjusted for weapon height. It is recommended to use a power tool when installing the self-tapping screws.
3. Align the top (cap) of the barrel support with the top of the weapon barrel. Tighten the screws.

Receiver Mounts (Transportability)



1. Receiver Mounts have 1 1/2” long slots that line up with the holes on the support rail (not the square slots).
2. Place receiver mount in the desired location and fasten onto support rail with self-tapping screws (supplied). Do not tighten until adjusted for weapon height. It is recommended to use a power tool when installing the self-tapping screws.

Assembly



Bin Storage

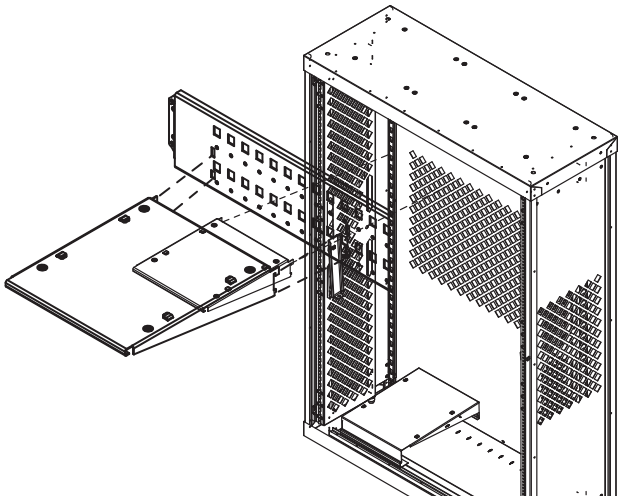
NOTE: To install Vertical Bin Storage unit in 61" cabinet, the Horizontal Bin unit is required (see page 6).

1. Install the vertical bin base to the bottom of the cabinet.
2. The front of the base locks under the front lip of the cabinet. The rear of the base rests on the rear floor of the cabinet.

NOTE: If the cabinet will also house weapons, the butt plate will be factory installed.

3. **61" units:** Install the top shelf to the support rail. The tabs at the rear of the shelf engage the square slots in the support rail.

   45" units: These units do not use a support rail. The vertical walls align over pins in the underside of the cabinet top.



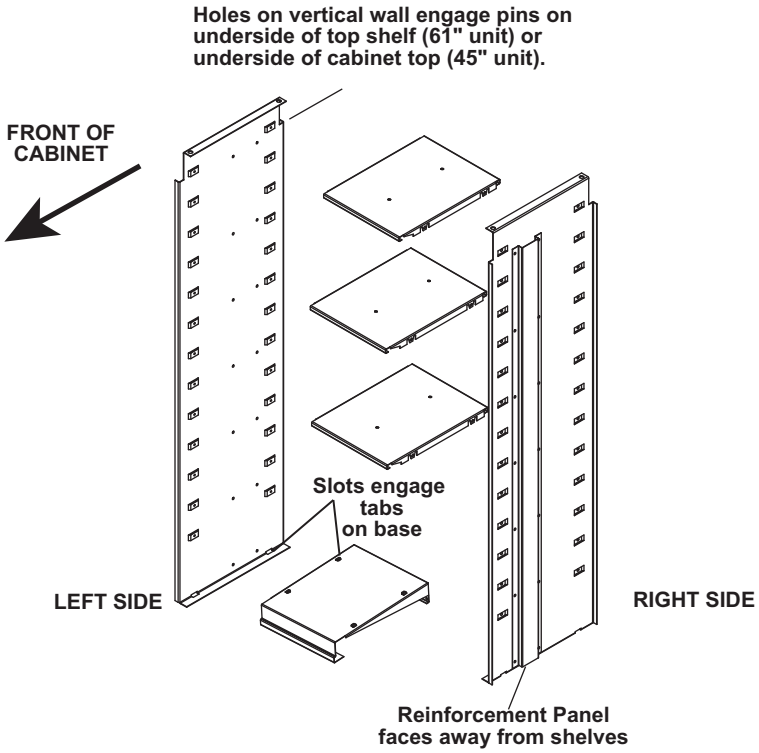
4. Install the vertical walls so the reinforcement rail faces away from the shelves.

   Top of vertical wall has holes for engaging pins located on underside of top shelf (61" unit) or underside of cabinet top (45" unit).

   Bottom of vertical wall has slots for engaging tabs located on top of base.

   Engage the top of the vertical wall first, then slide the bottom into the tabs.

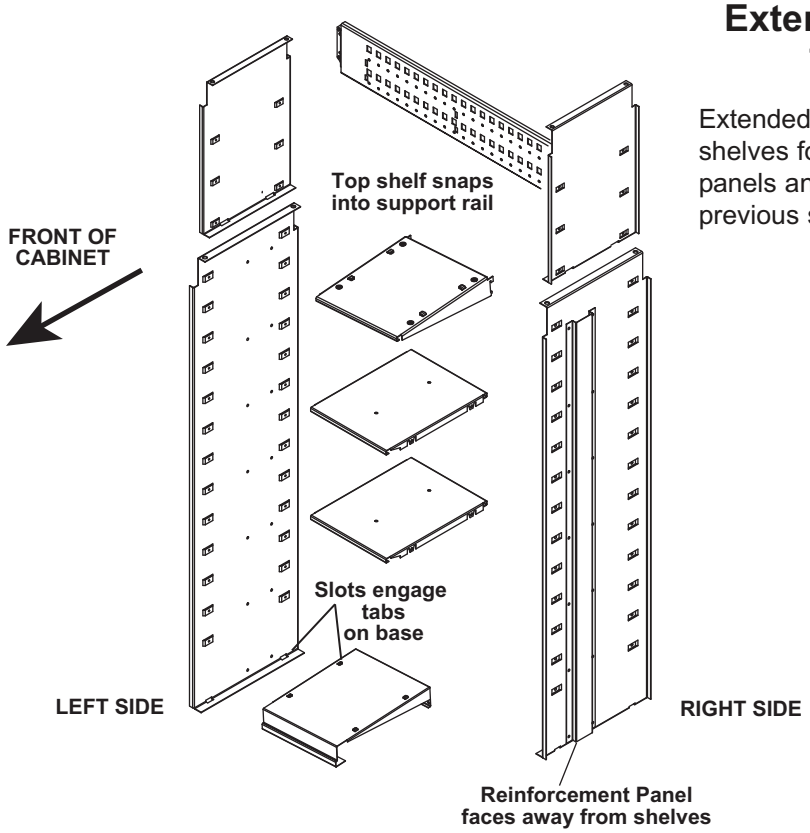
5. Install middle shelves to vertical walls. Middle shelves have tabs on the side to engage vertical wall slots.



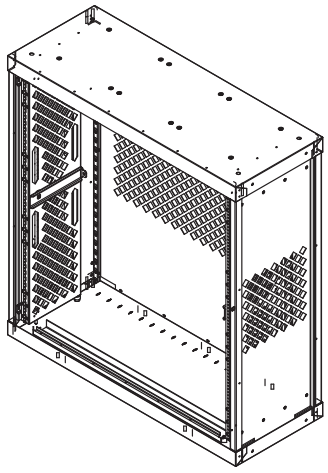
Assembly

Extended Bin Side Panels for Tall Cabinets

Extended bin side panels and additional shelves for tall cabinets install just like side panels and shelves installed in the previous step.



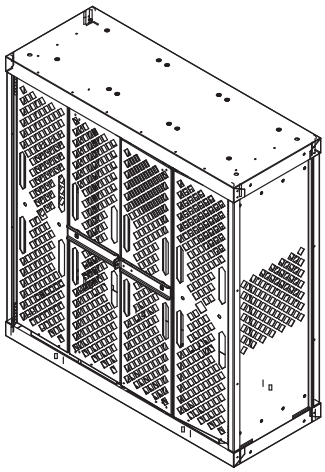
Operation



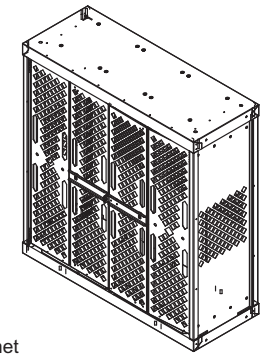
Lockable Sliding Doors

The unit is equipped with folding bifold mesh doors and bars that can be locked for security.

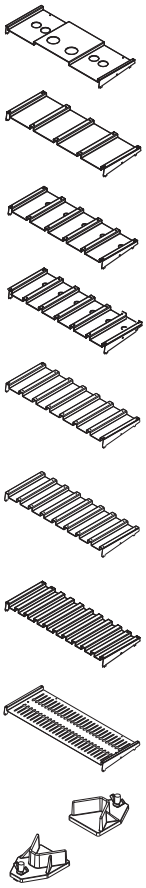
The doors fold to the side and then slide into the cabinet for easy access.



Parts List

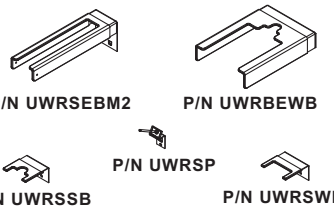


Cabinet
45” P/N UWRC4245 (H)
61” P/N UWRC4261 (H)
18” P/N UWRCOS18 (H)
34” P/N UWRCOS34 (H)
The “H” denotes handles (factory installed)



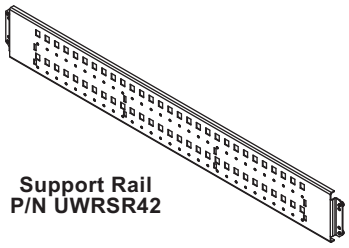
P/N UWRB2
P/N UWRB4
P/N UWRB5
P/N UWRB6
P/N UWRB7
P/N UWRB8
P/N UWRB10
P/N UWRBU
P/N UWRBSC

Bases

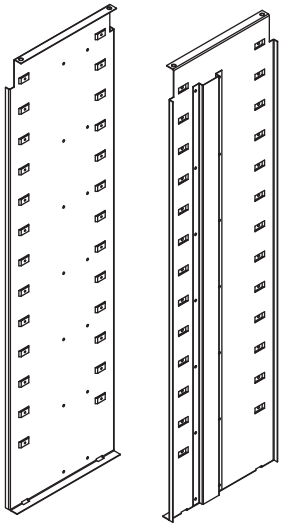


P/N UWRSEBM2
P/N UWRBEWB
P/N UWRSP
P/N UWRSSB
P/N UWRSWB

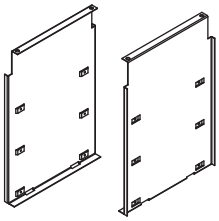
Barrel Supports



Support Rail
P/N UWRSR42

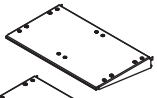


Vertical Bin Wall
P/N UWRBINVW

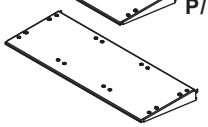


Horizontal Bin Wall
P/N UWRBINHW

1/3 width
P/N UWRBINHBS13

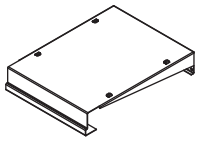


2/3 width
P/N UWRBINHBS23



Full width
P/N UWRBINHBSFL

Horizontal Bases

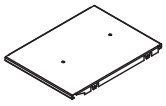


Vertical Base
P/N UWRBINVBS

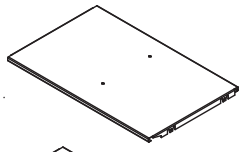
Leveler
P/N 960210.001

Bolt
5/16-18 X 7/8
P/N 95028.02

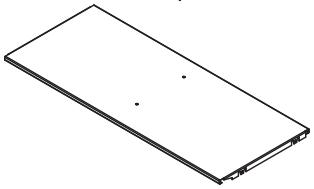
Self-tapping Screw
1/4-20 x 1/2"
P/N 950086.001



P/N UWRBINS13

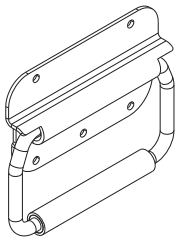


P/N UWRBINS23



P/N UWRBINSFL

Shelves



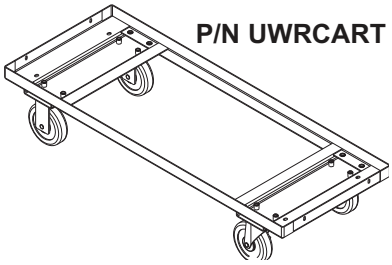
P/N UWR4HK
Handle Kit
(Set of 4)

Bolt
1/4-20 X 7/8
P/N 95027.02

Keps Nut
1/4-20 X 7/8
P/N 93015.02

Rivet (for handle install)
.188 x .126 - .250 grip
P/N 88013.01

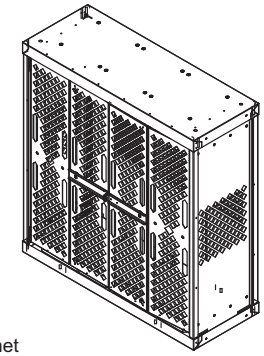
Hardware



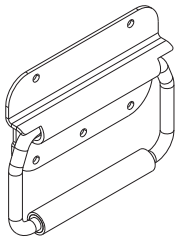
P/N UWRCART

SOUTHWESTSOLUTIONSGROUP

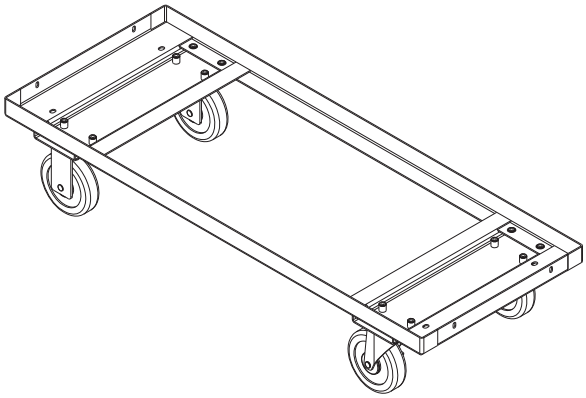
Parts List (Transport)



Cabinet
45” P/N UWRC4245 (H)
61” P/N UWRC4261 (H)
18” P/N UWRCOS18 (H)
34” P/N UWRCOS34 (H)
The “H” denotes handles (factory installed)

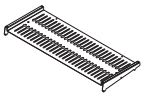


P/N UWR4HK
Handle Kit
(Set of 4)

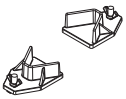


P/N UWRCART

Base & Stock Cups



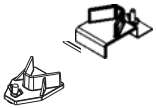
P/N UWRBU



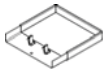
P/N UWRBSC

P/N UWRBM2SC

P/N UWRBM2BRLCP



P/N UWRBM240BSC



P/N UWRBMK19SC

Barrel Supports

P/N UWRSTL

P/N UWRSM2SPBRL

P/N UWRSTS

P/N UWRSMK19MZL

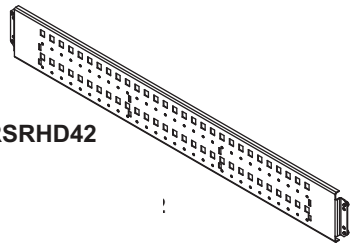
Receiver Mounts

P/N UWRSMRM2

P/N UWRSMRMK19

P/N UWRSMRM240B

Support Rail



P/N UWRSRHD42

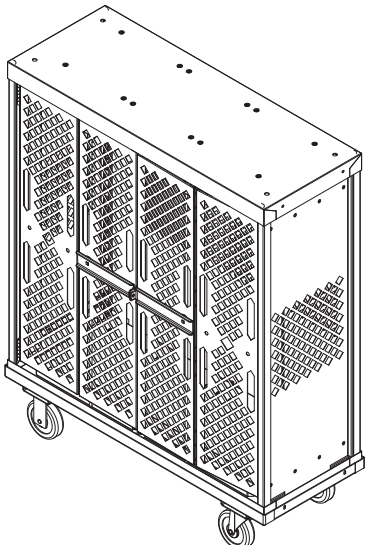
Optional Accessories

Cart Assembly–UWRCART (Optional Accessory)

Cart Assembly adds 6.8" to cabinet height.
(shown mounted on 61" Universal Weapons Rack)

1. Attach the castors to the cart using 5/16-.3/4" serrated flange bolts supplied (qty. 16, 4 per castor).
2. Attach the cabinet to the cart using 5/16-7/8" serrated flange bolts supplied (qty. 4).

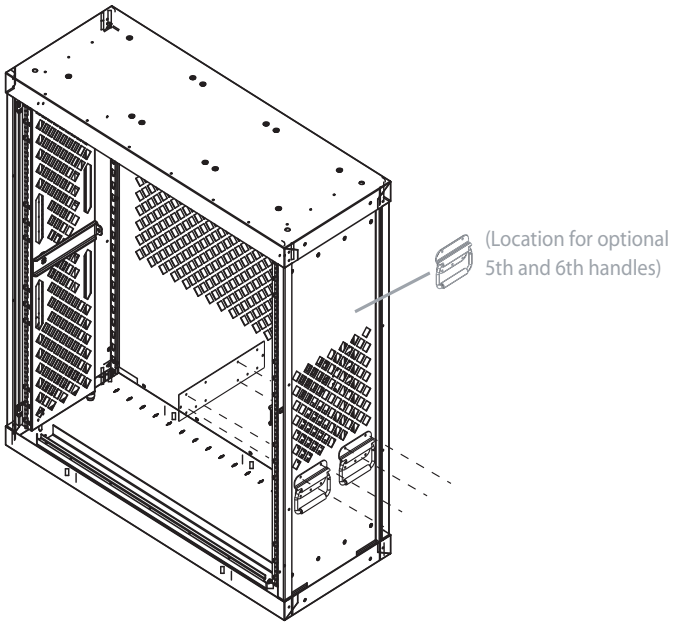
NOTE: Do not use the 7/8" bolts to attach castors to cart. Bolts are too long and will interfere with cabinet bottom.



Handle Assembly for Field Installation - UWR4HK (4 handles/kit)

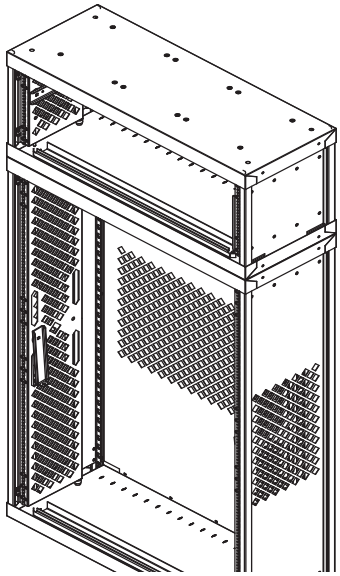
1. Door will need to be pulled out from cabinet frame for installation.
2. Align the 2 backer plates on the inside of the cabinet, to the holes located on the side of the cabinet directly below the square perforations.
3. Align a handle to the holes located on the outside of the cabinet.
4. Use rivets (included) to attach the handle and backer plate to the cabinet.
5. Repeat for the second handle on the same side.
6. Install handles in the other side of the cabinet same as above.

Note: For earlier cabinets without holes for handles, use the backerplate as a drill template.



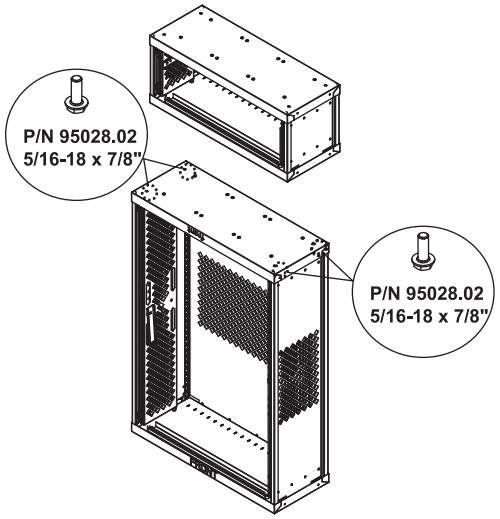
Overstorage Cabinet

Standard Overstorage Cabinet is 18" tall.
(shown mounted on 61" Universal Weapons Rack)

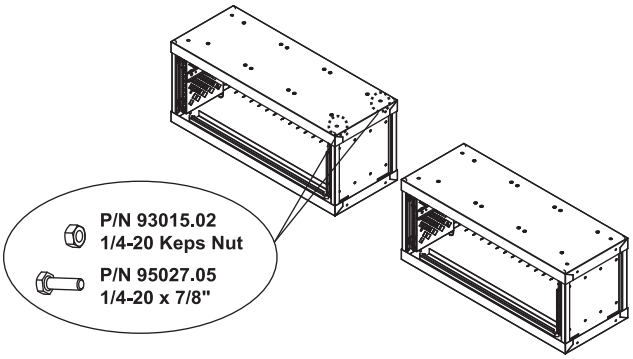


Cabinet Mounting

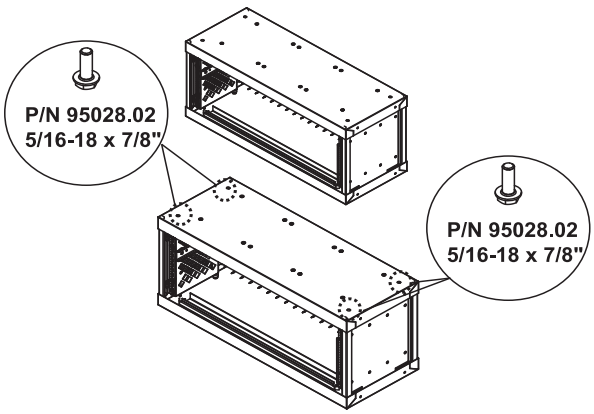
Cabinet may be ganged together or stacked and secured with hardware (included), or placed on universal weapons rack systems..



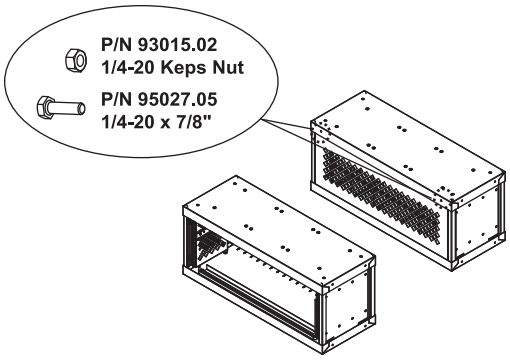
Mounting to Weapons Rack



Side-To-Side



Stacking Units

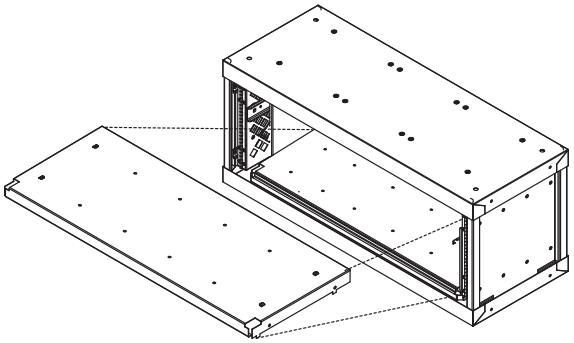


Back-To-Back

Optional Accessories

SOUTHWESTSOLUTIONSGROUP

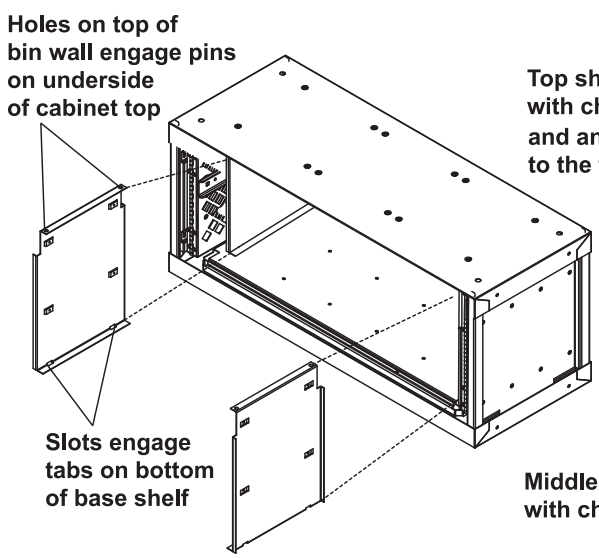
Assembly–UWRBINFL10



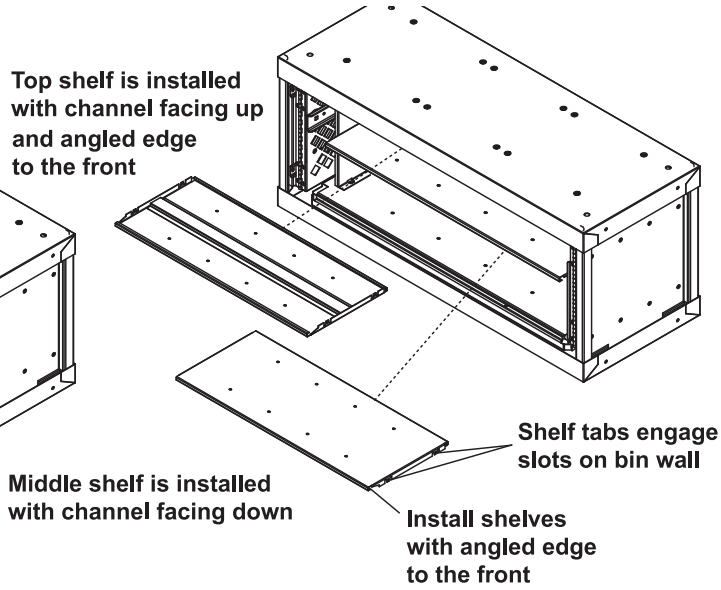
Base Shelf

1. Install the base shelf to the bottom of the cabinet.
2. The front of the base shelf locks under the front lip of the cabinet. The rear of the base shelf rests on the rear floor of the cabinet.

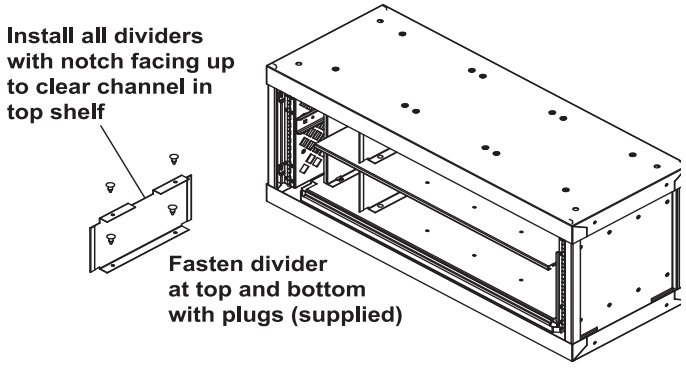
Bin Walls



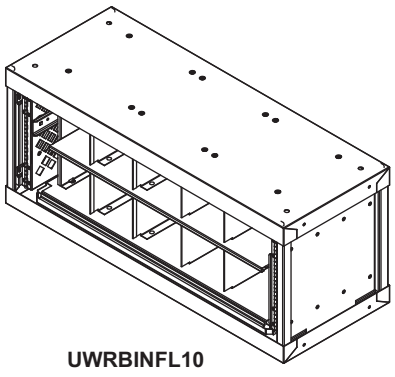
Full Width Bin Shelves



Bin Dividers



Finished Assembly



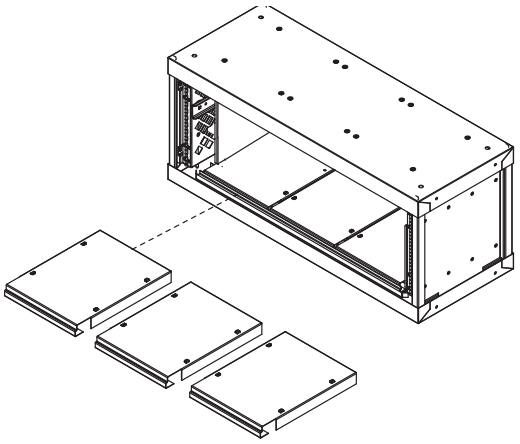
Lockable Sliding Doors

The unit is equipped from the factory with folding bifold mesh doors and bars that can be locked for security.

The doors fold to the side and then slide into the cabinet for easy access.

Optional Accessories

Assembly–UWRBIN230OS18 & UWRBIN13OS18



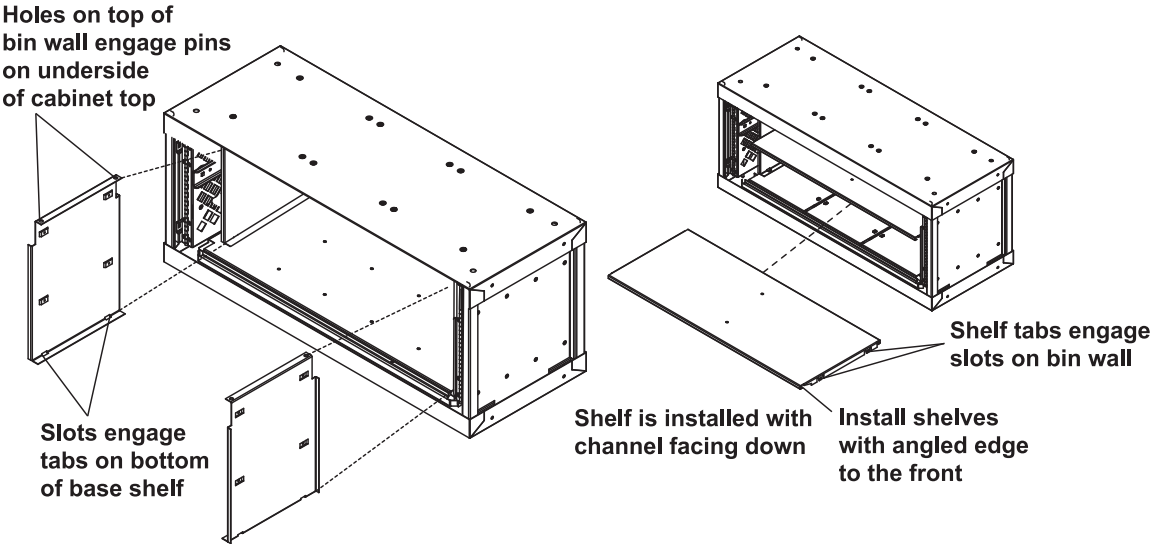
Base Shelves

1. Install the base shelves to the bottom of the cabinet.
2. The front of the base shelf locks under the front lip of the cabinet. The rear of the base shelf rests on the rear floor of the cabinet.

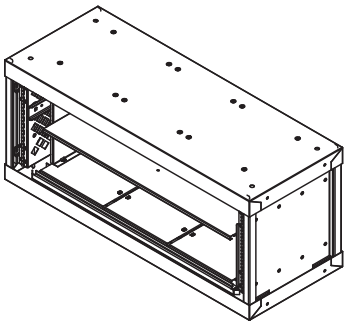
NOTE: Base shelf P/N UWRBINBS18 is for use with overstorage cabinet only and cannot be used on Universal Weapons Rack.

Bin Walls

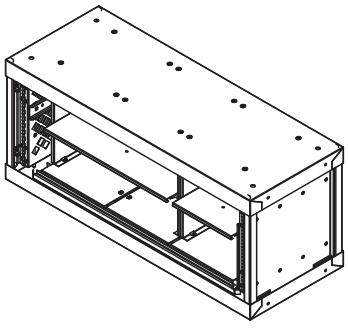
Bin Shelves



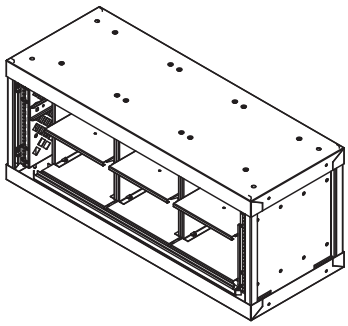
Finished Assembly



UWRBINVFLOS18



UWRBINV23OS18
&
UWRBINV13OS18



UWRBINV13OS18
(Qty. 3 shown)

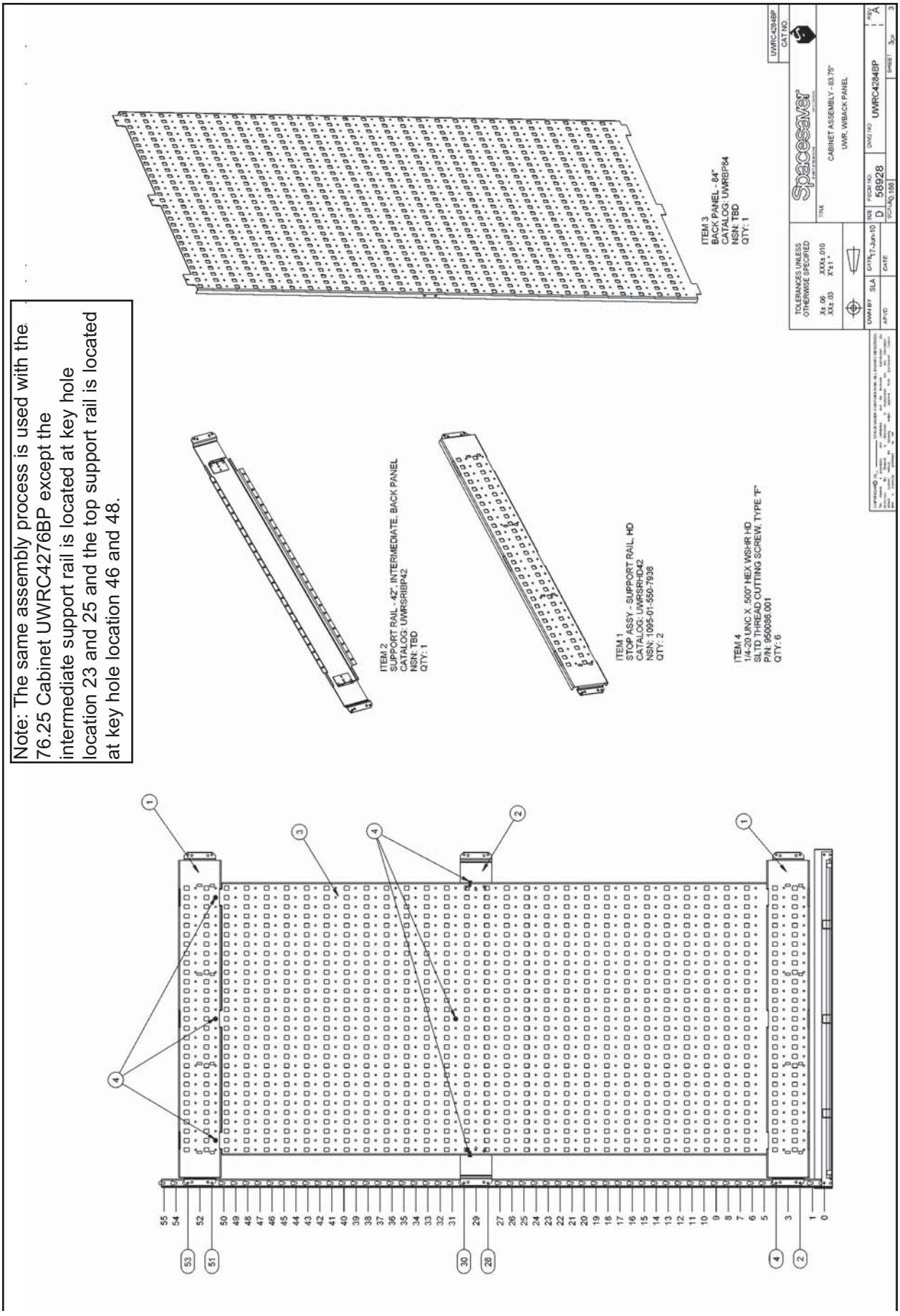
Lockable Sliding Doors

The unit is equipped from the factory with folding bifold mesh doors and bars that can be locked for security.

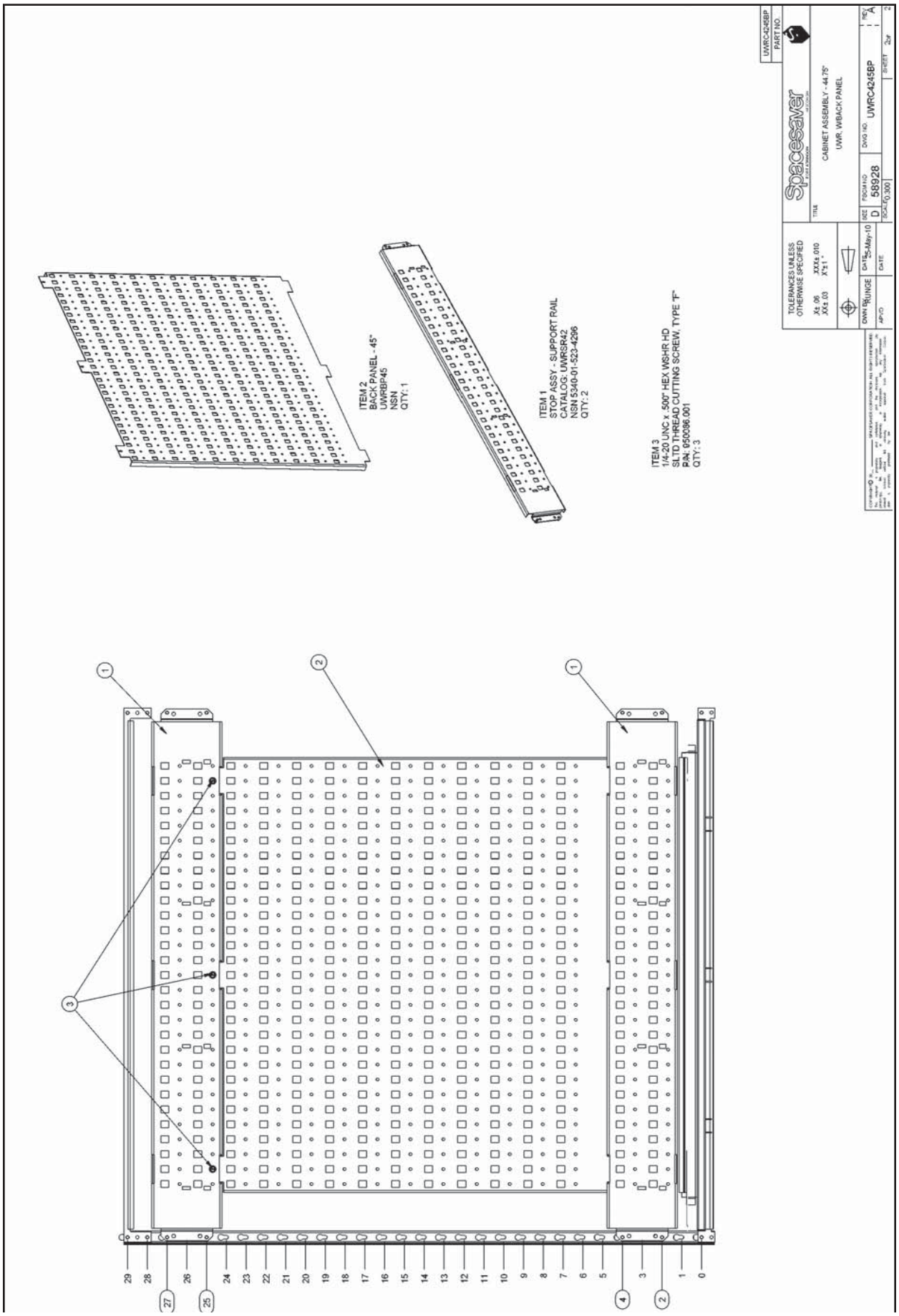
The doors fold to the side and then slide into the cabinet for easy access.

Back Panel Assembly

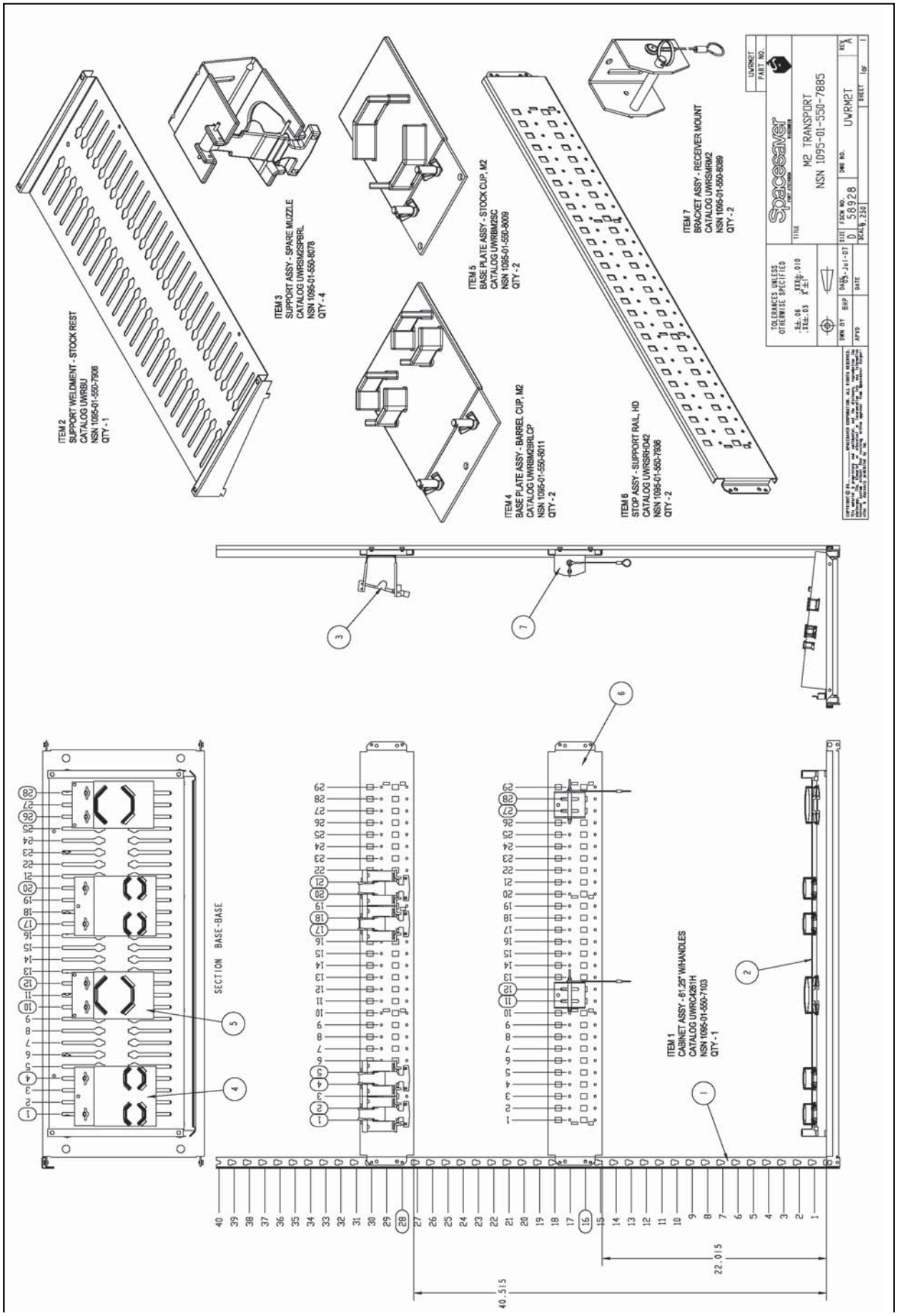
Note: The same assembly process is used with the 76.25 Cabinet UWRC4276BP except the intermediate support rail is located at key hole location 23 and 25 and the top support rail is located at key hole location 46 and 48.



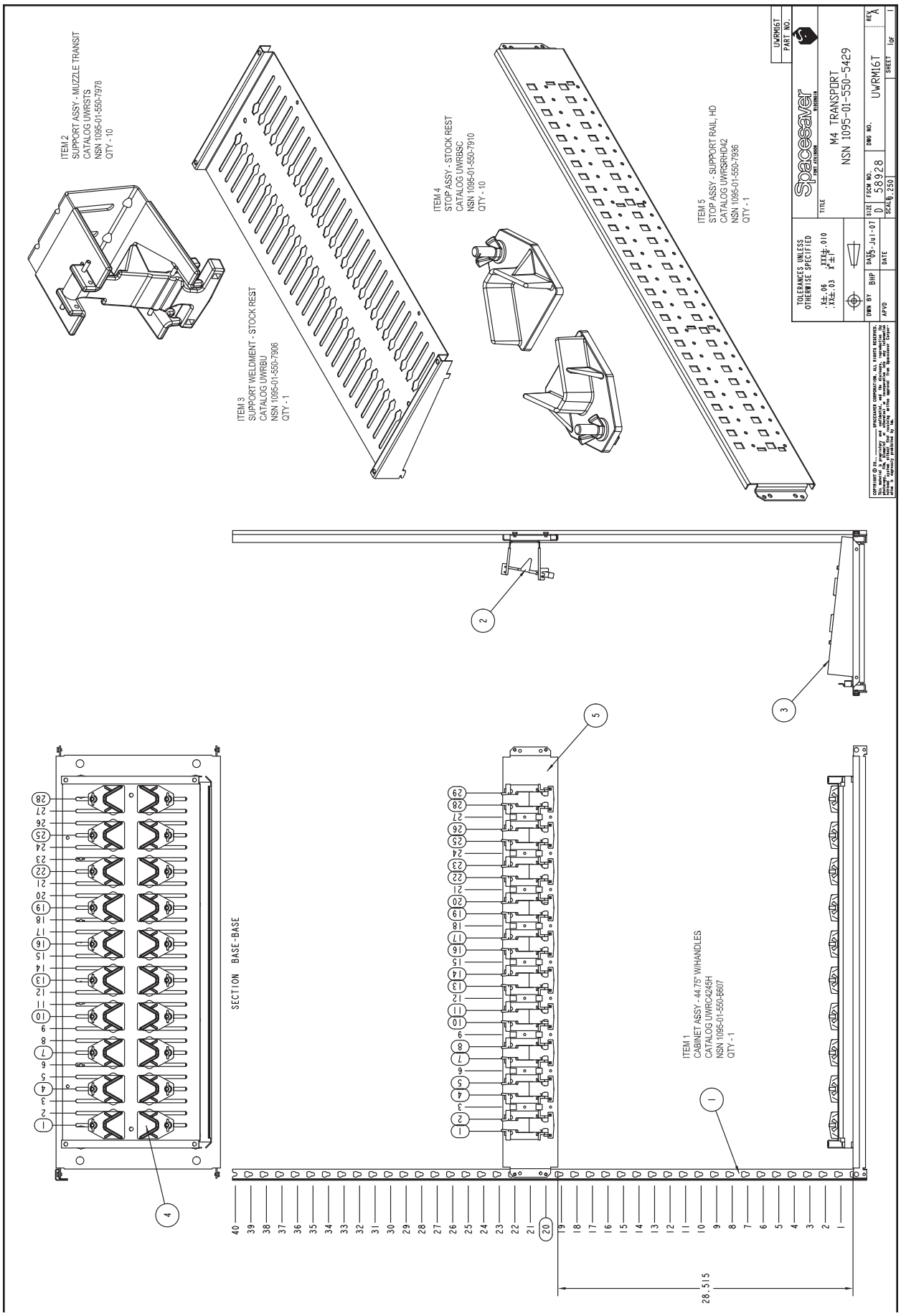
Back Panel Assembly



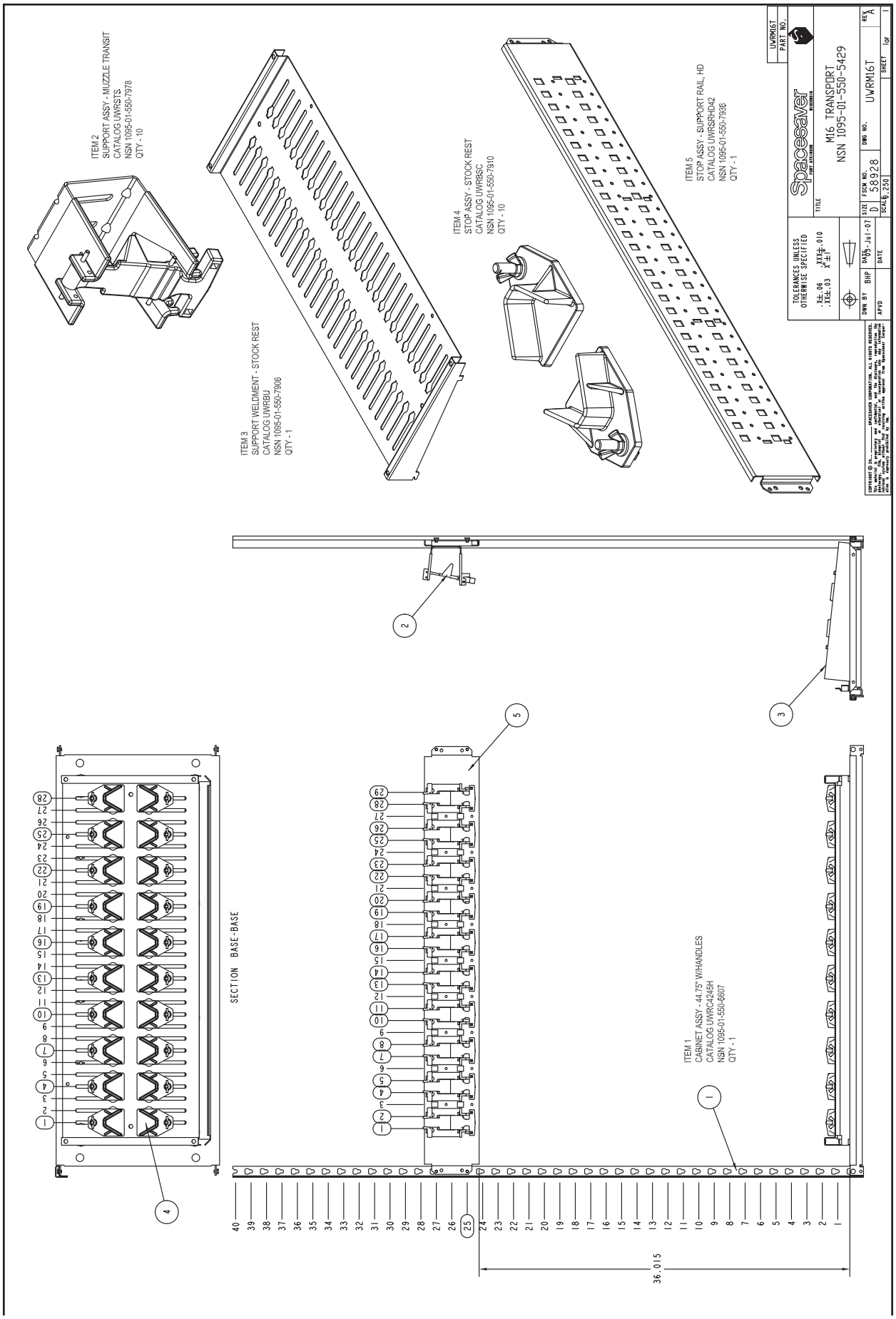
Programmed Configuration



Programmed Configuration



Programmed Configuration



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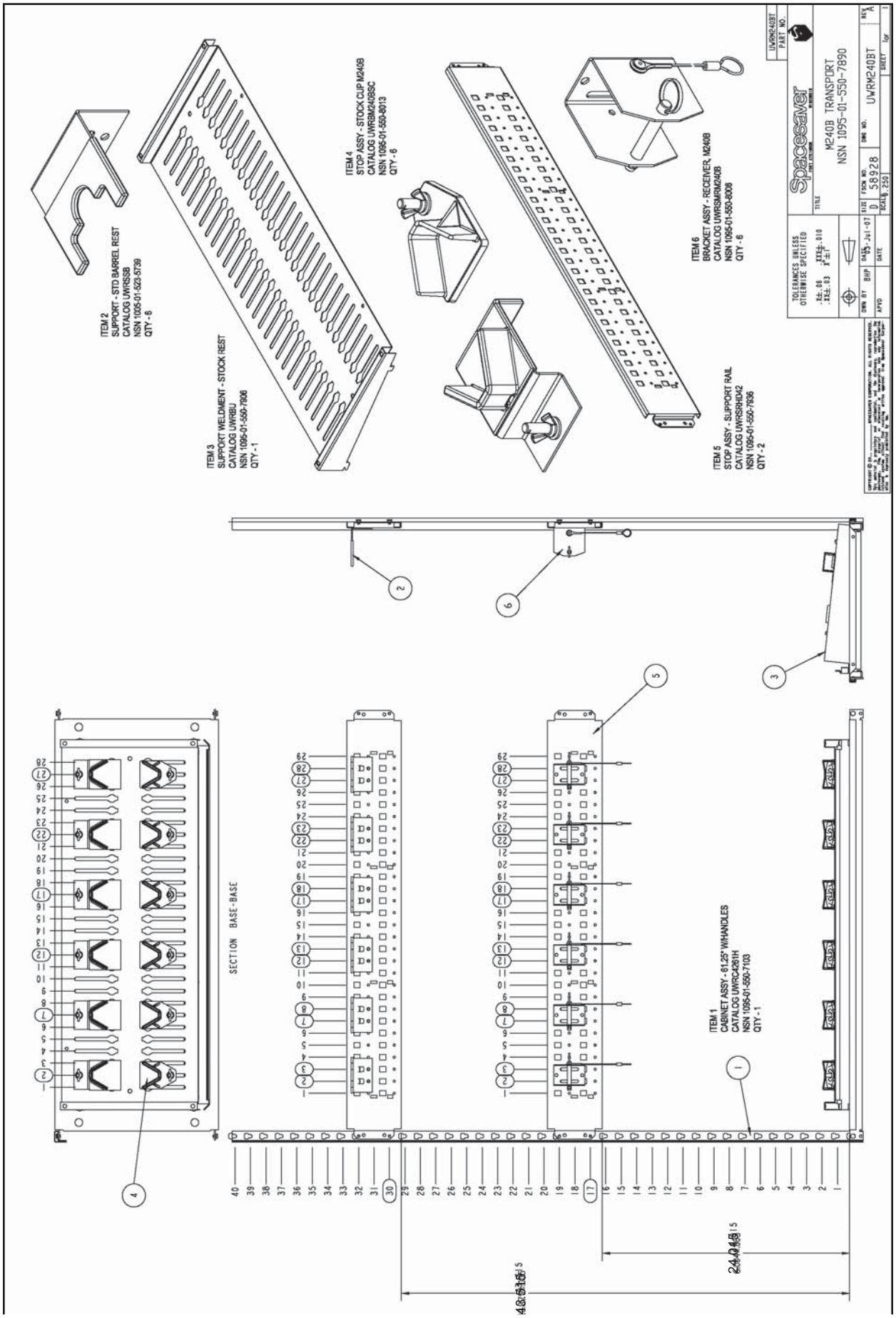

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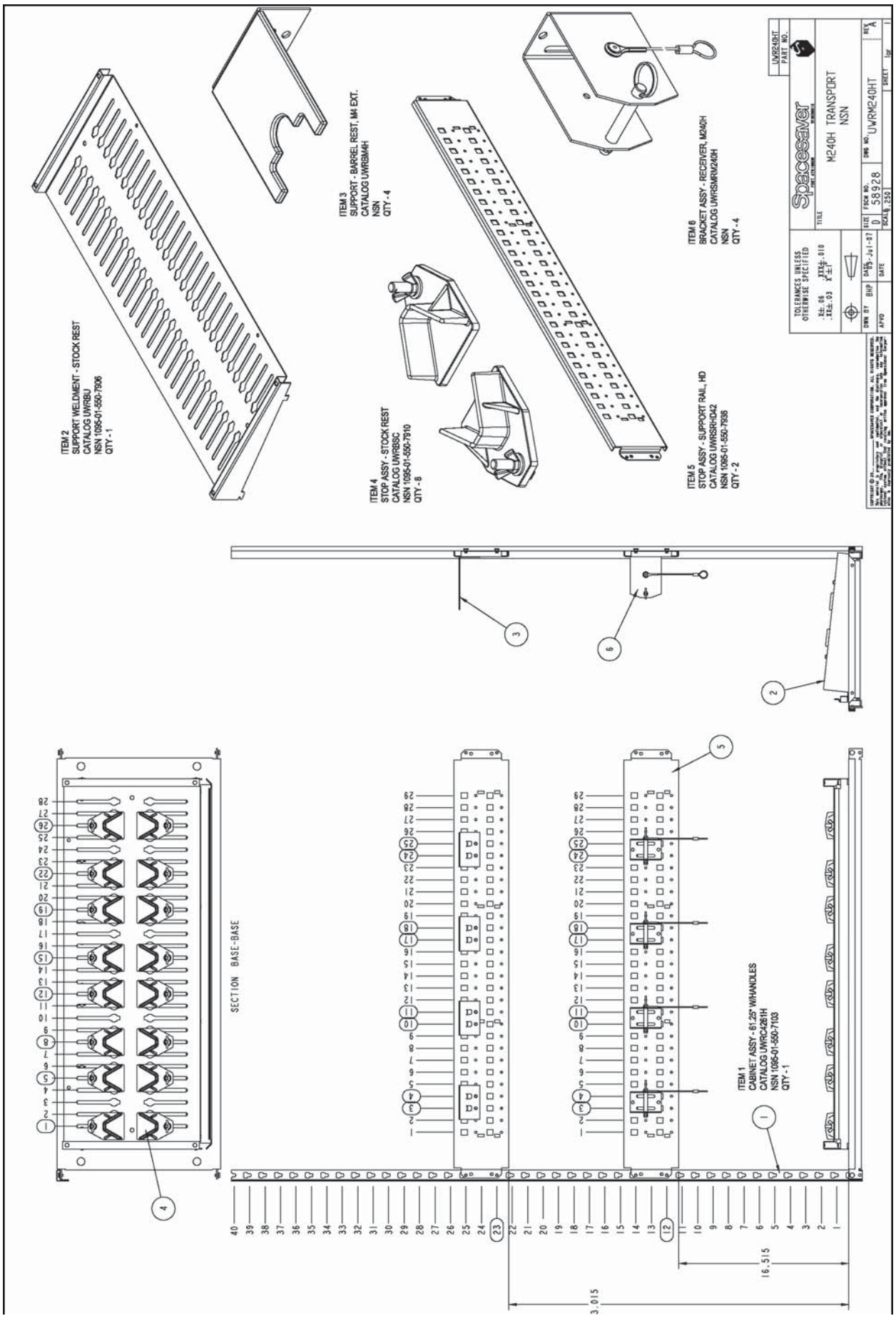

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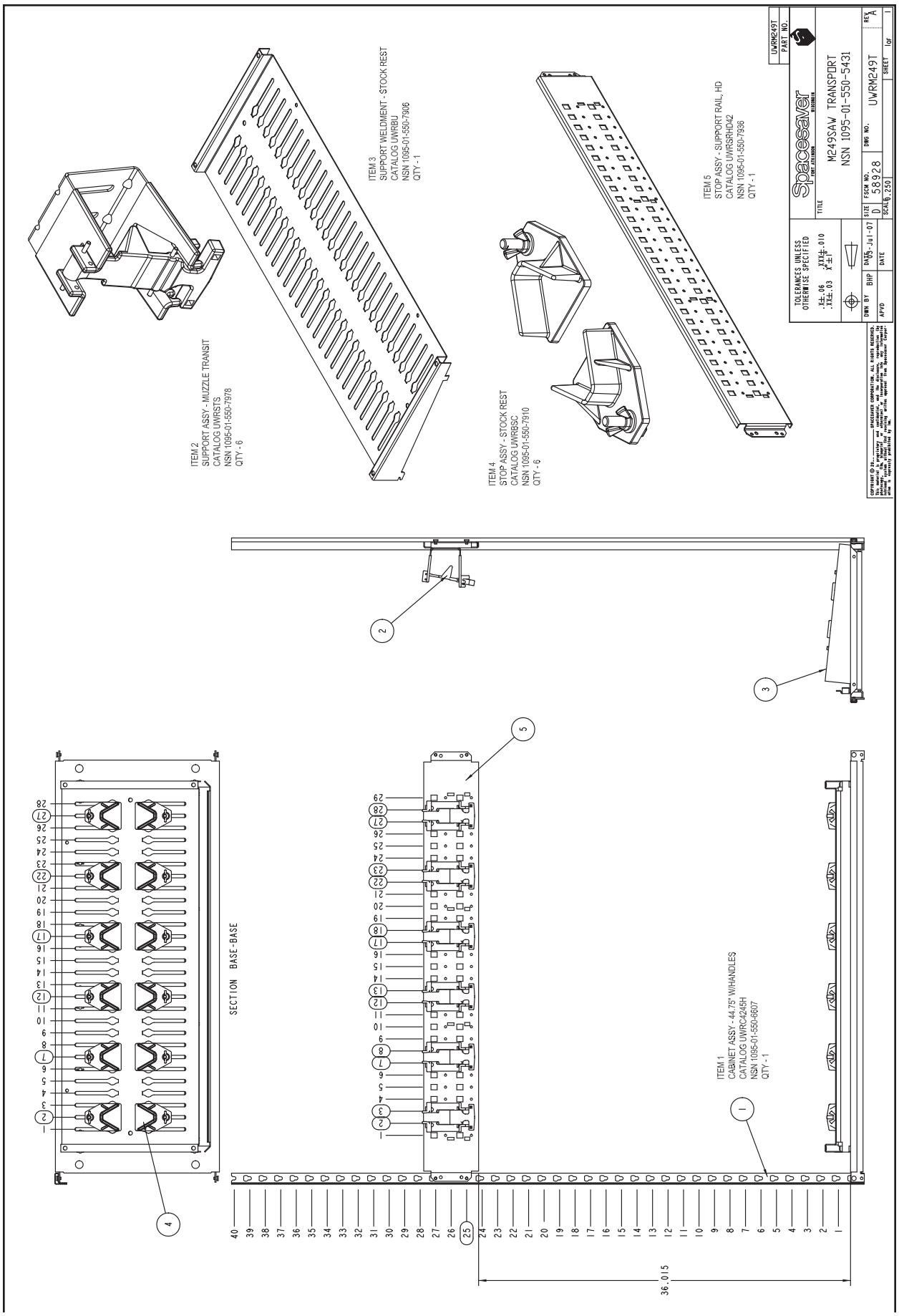
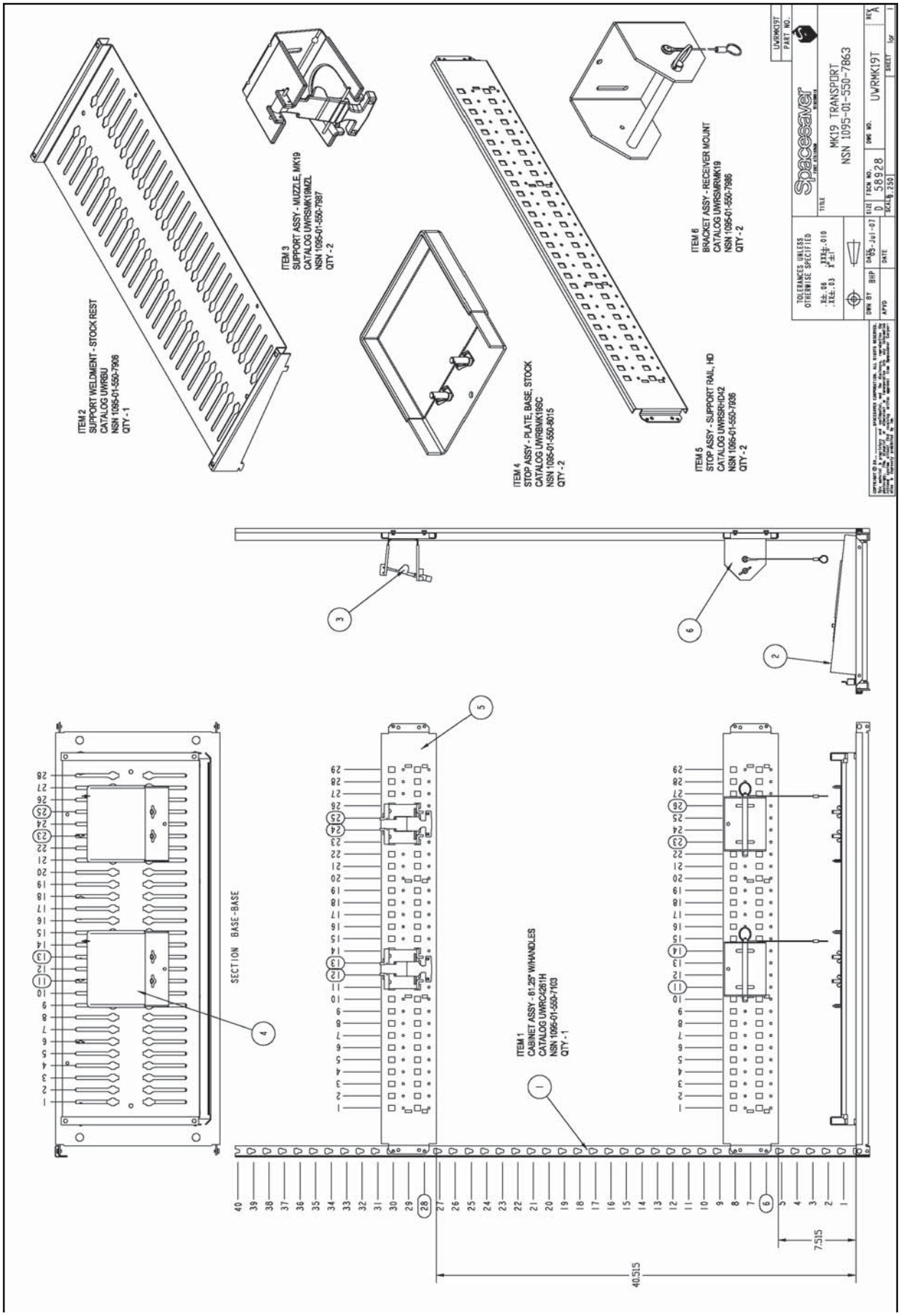
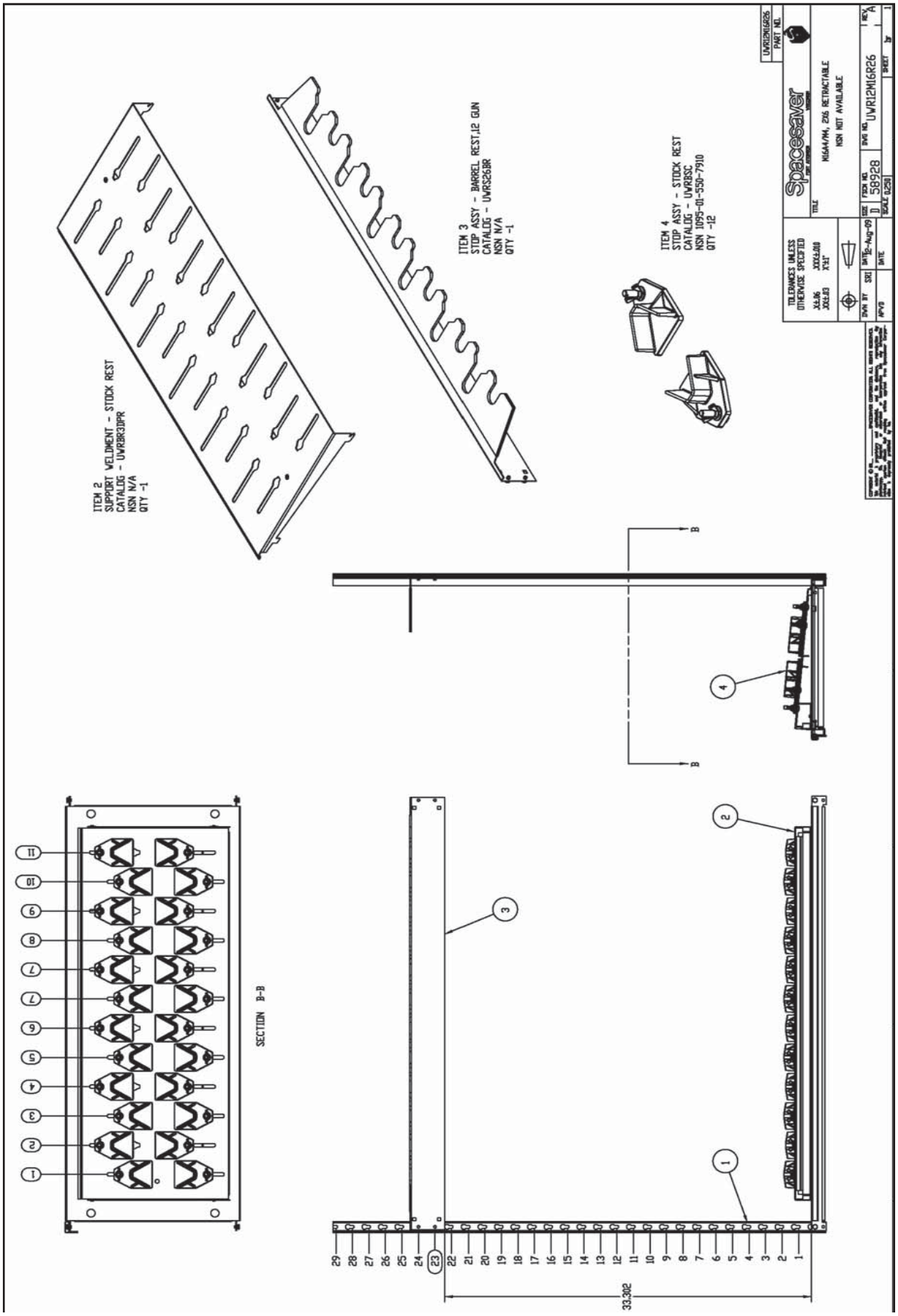


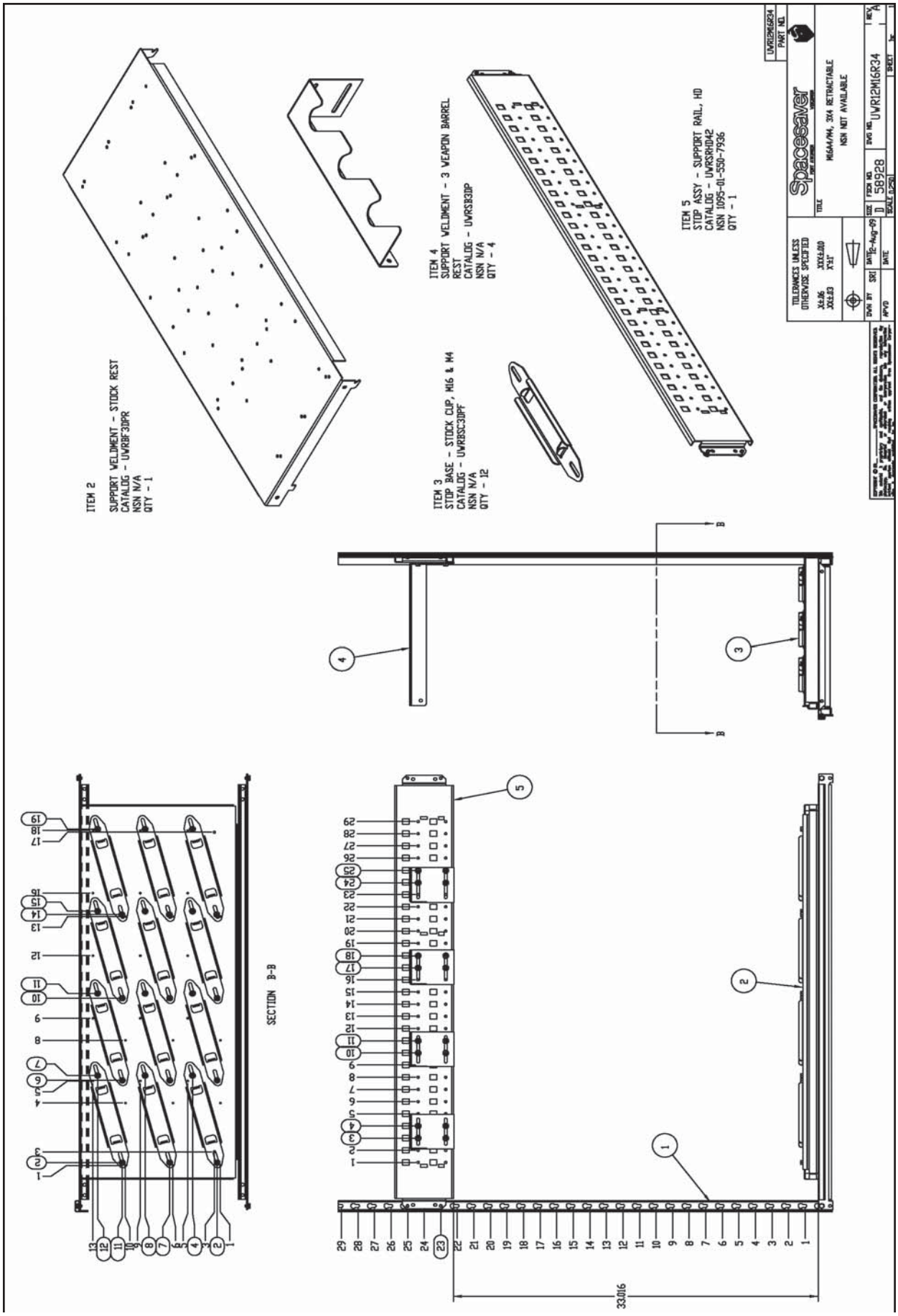
Programmed Configuration



High Density Configuration

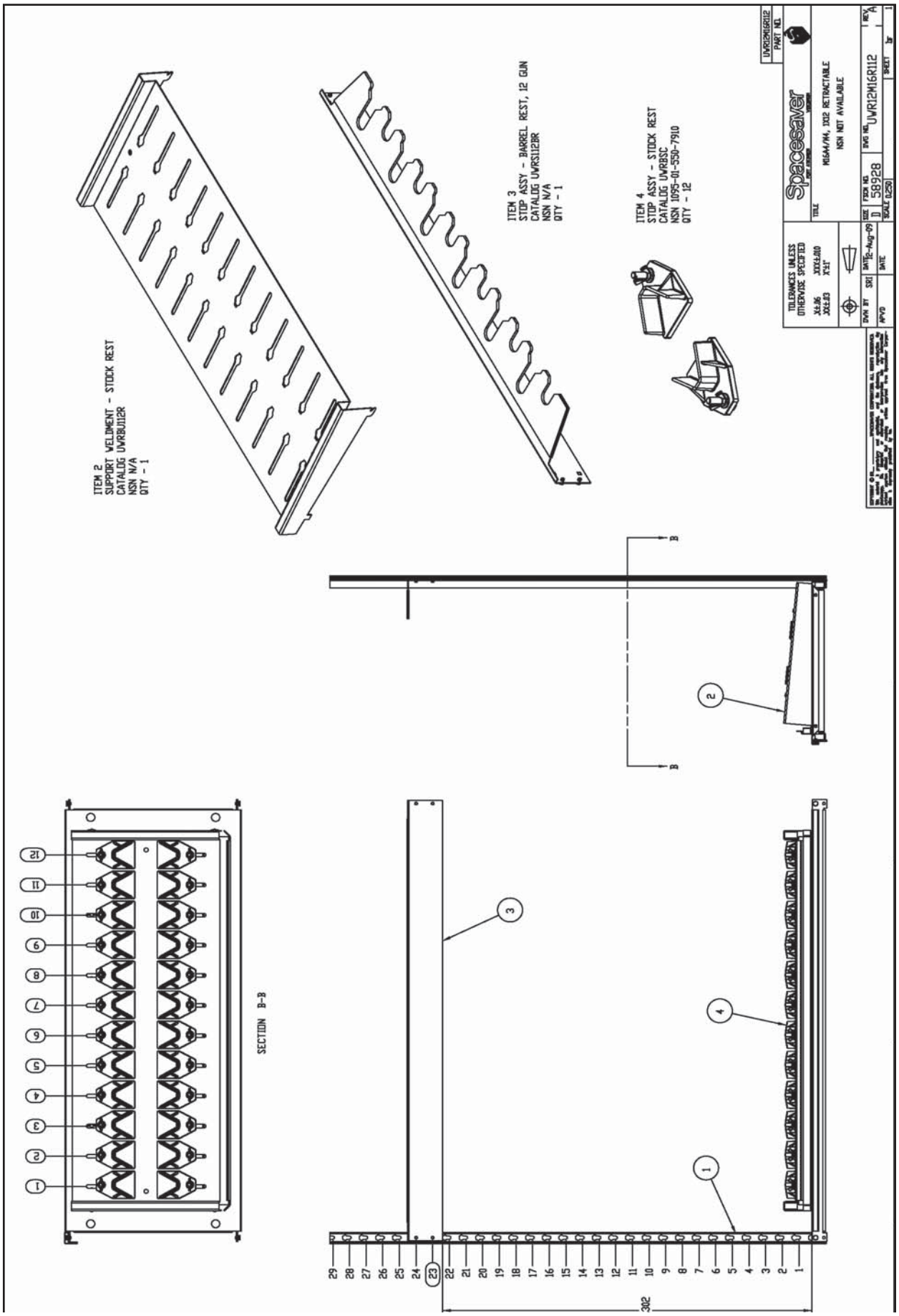


High Density Configuration

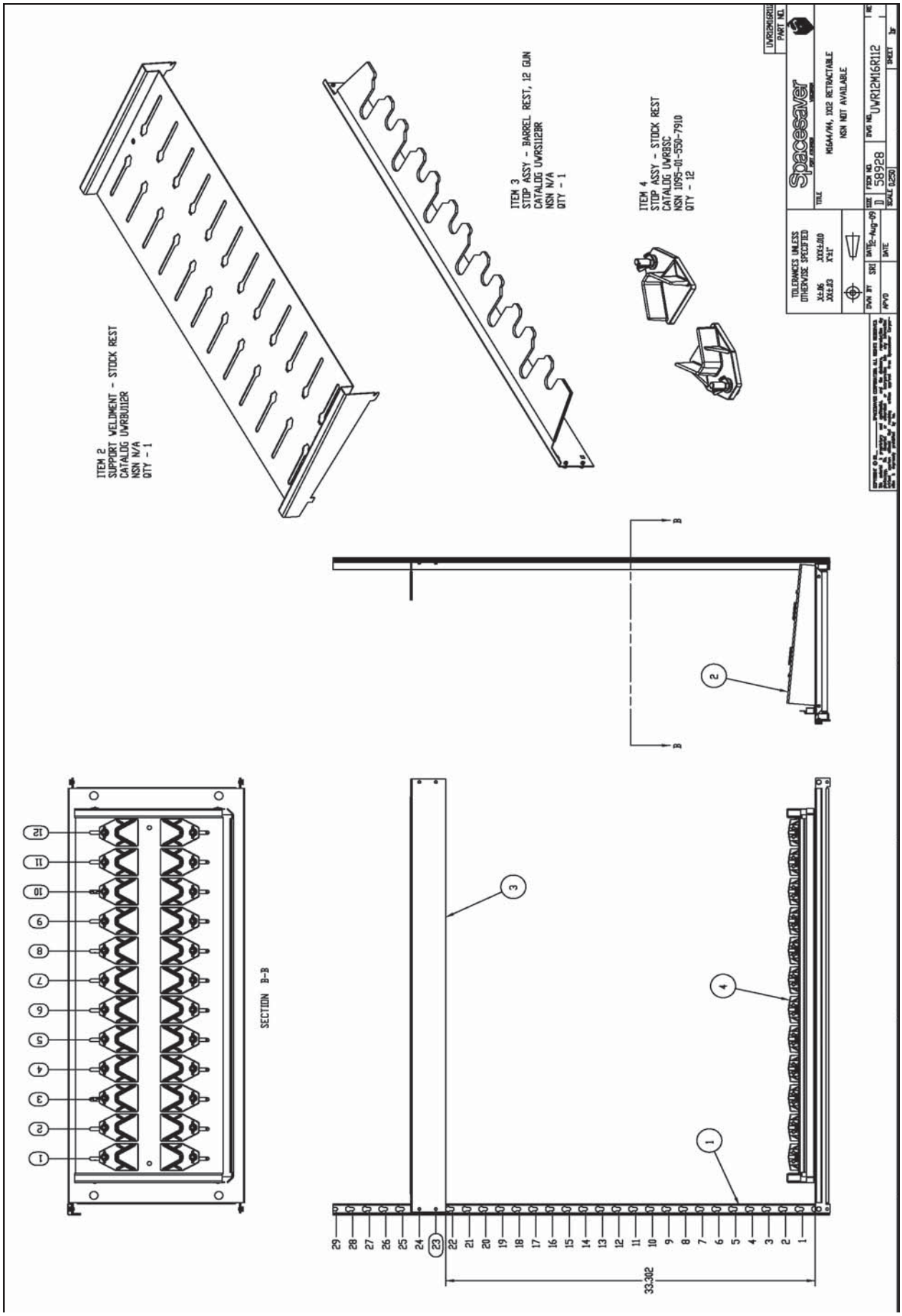


SOUTHWESTSOLUTIONSGROUP

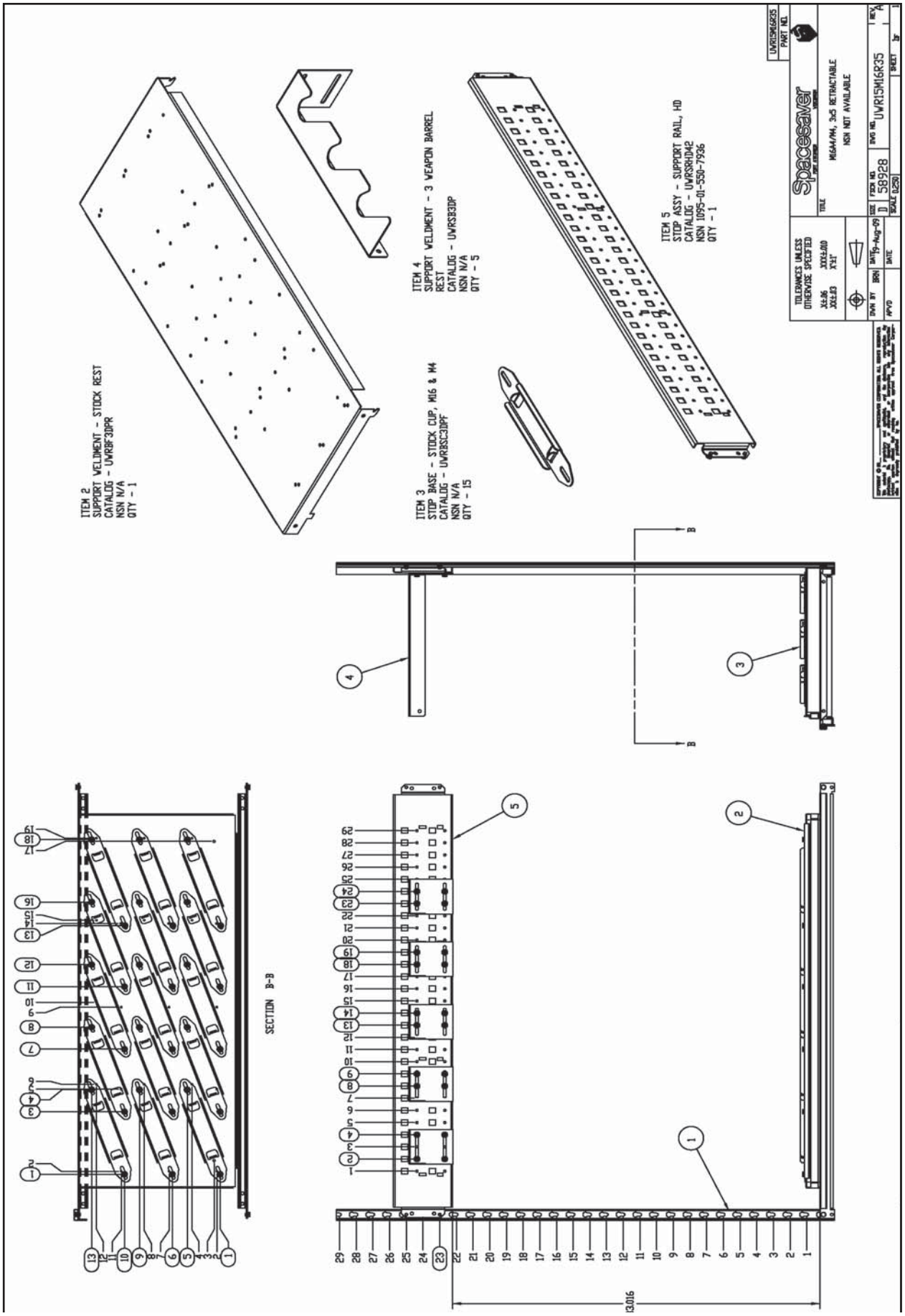
High Density Configuration



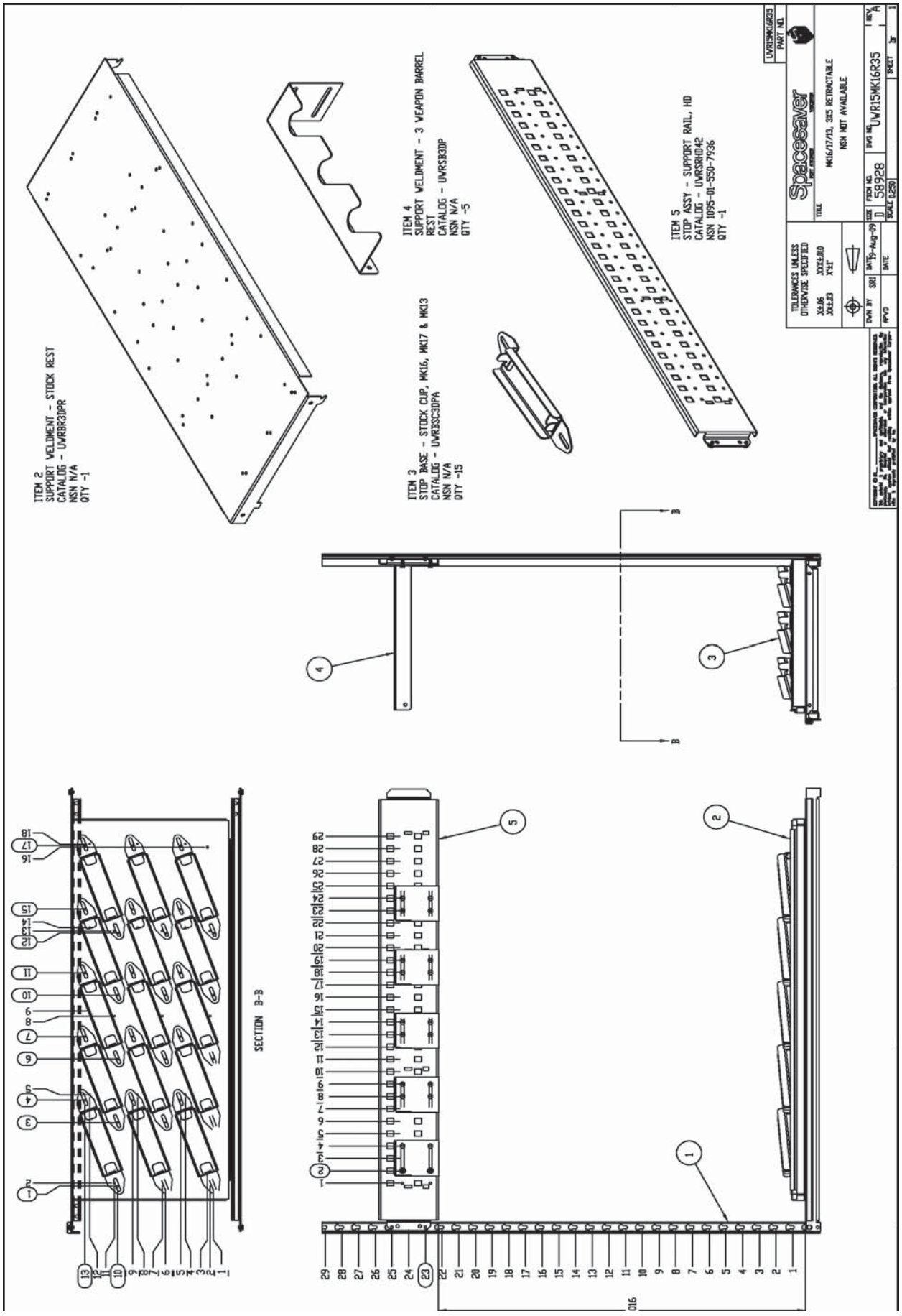
High Density Configuration



High Density Configuration

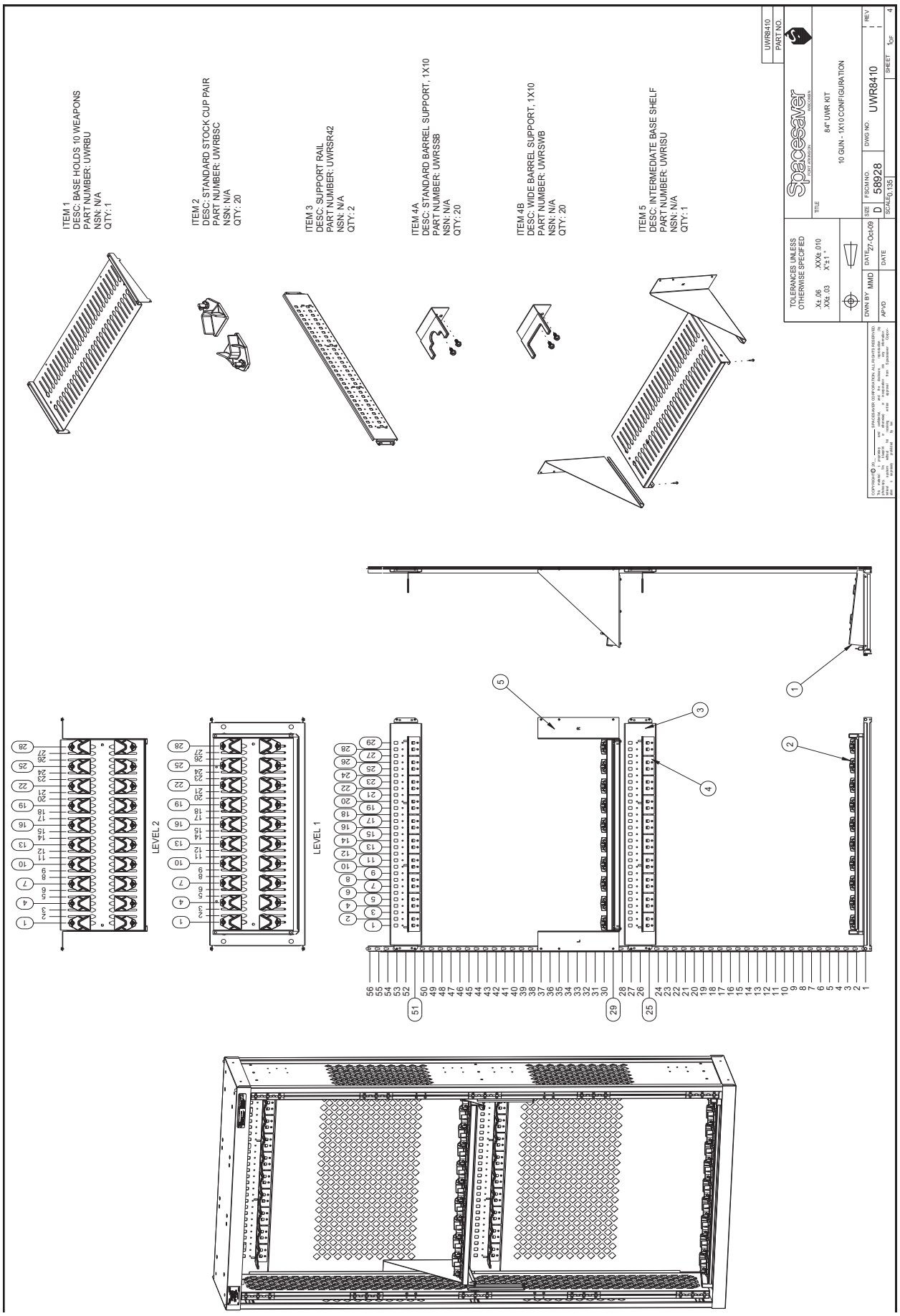


High Density Configuration

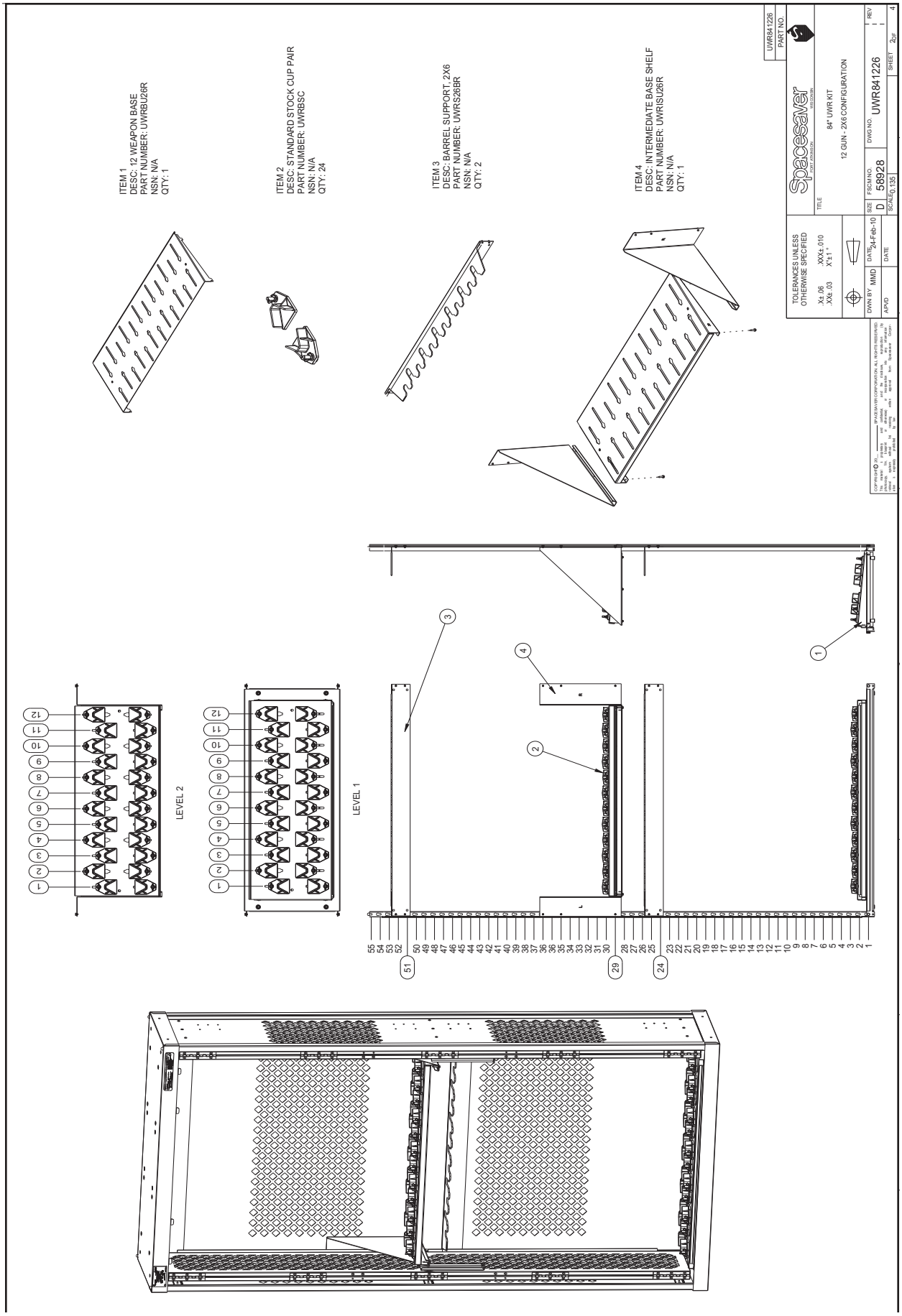


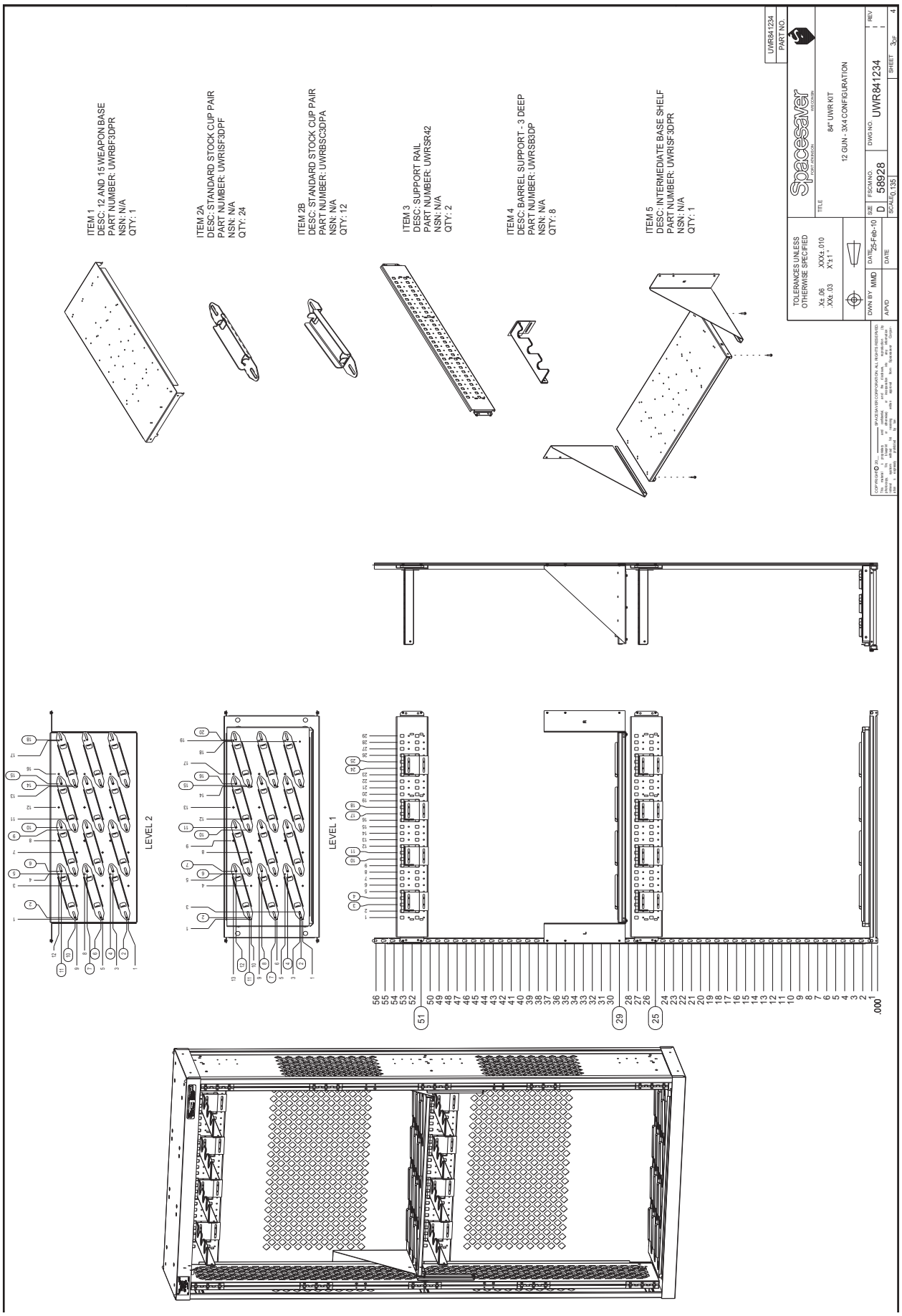
Assembly

84” Weapons Rack



84” Weapons Rack Assembly




ITEM 1
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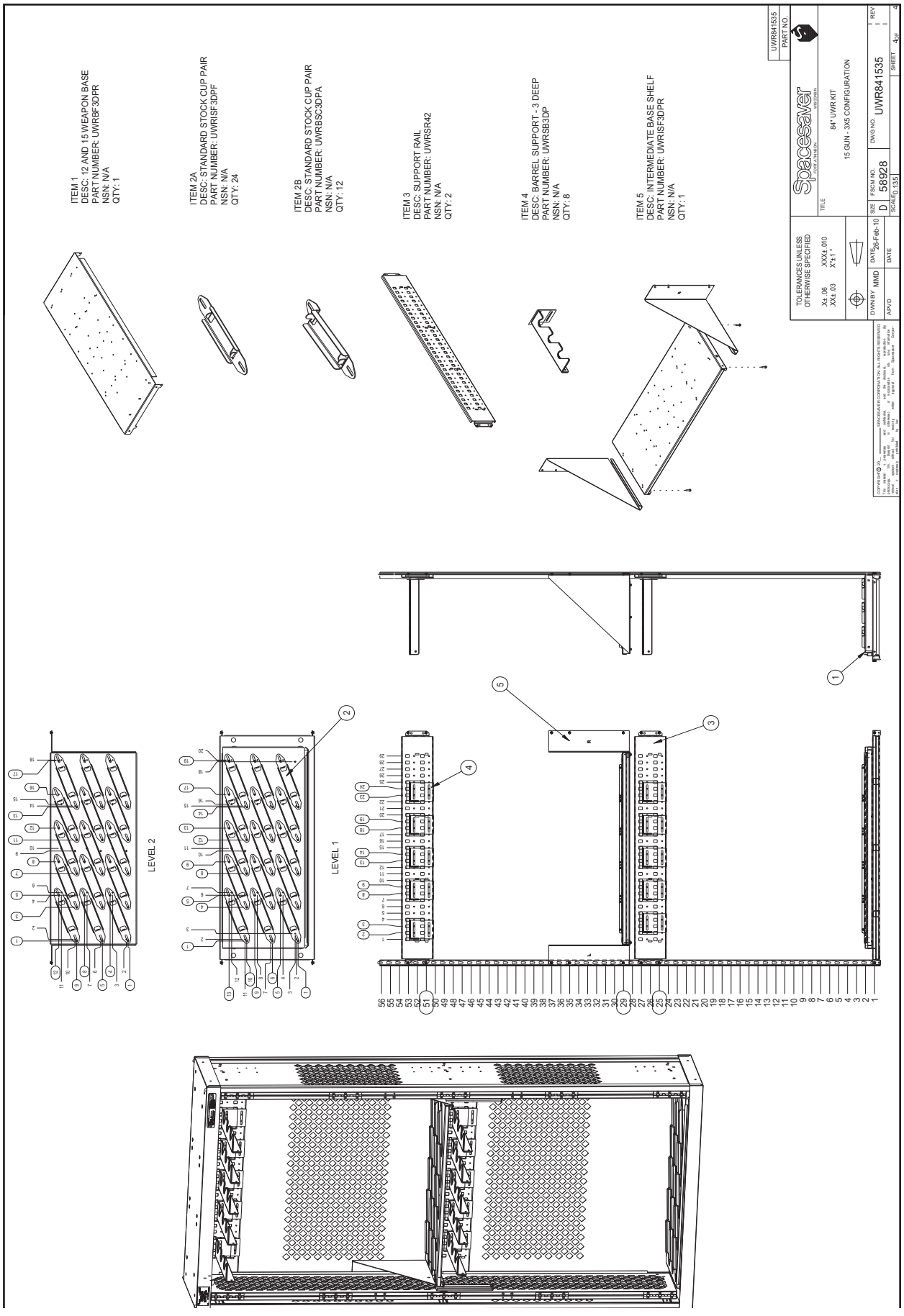
NSN: N/A
QTY: 1
ITEM 2A
DESC: STANDARD STOCK CUP PAIR
PART NUMBER: UWRISF3DPF
NSN: N/A
QTY: 24
ITEM 2B
DESC: STANDARD STOCK CUP PAIR
PART NUMBER: UWRBSC3DPA
NSN: N/A
QTY: 12
ITEM 3
DESC: SUPPORT RAIL
PART NUMBER: UWRSR42
NSN: N/A
QTY: 2
ITEM 4
DESC: BARREL SUPPORT - 3 DEEP
PART NUMBER: UWRSB3DP
NSN: N/A
QTY: 8
ITEM 5
DESC: INTERMEDIATE BASE SHELF
PART NUMBER: UWRISF3DPR
NSN: N/A
QTY: 1
UWR841234
PART NO.
Spacesaver
TOLERANCES UNLESS OTHERWISE SPECIFIED
.X± .06 .XXX± .010
.XX± .03 X°±1°
DWN BY MMD
APVD
DATE 25-Feb-10
DATE
SIZE D
FSCM NO. 58928
DWG NO. UWR841234
REV -
SCALE 0.135
SHEET 3 OF 4
TITLE
84" UWR KIT
12 GUN - 3X4 CONFIGURATION
LEVEL 2
LEVEL 1

84” Weapons Rack Assembly