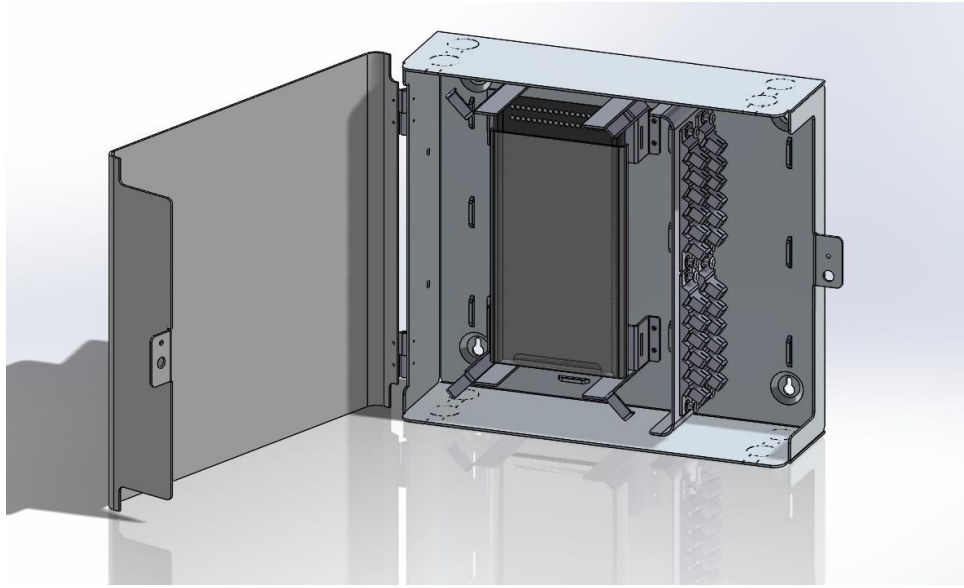


Wall Mount Termination/Splice Panels:

W2-Mid, W3-Large



W2-Mid shown with (4) SC/UPC Bulkhead Adaptors



1. Description and Features:

The W2 Mid and W3 Large wall mount panels both facilitate fiber splicing and patching of fiber optic cables. Constructed in aluminum, finished in light beige powder coat for ease of visibility. Available with adaptor strips to accept all connectors commonly used

- Removable door to allow unimpeded access for dressing of fiber.
- Features angled adaptor strips to maintain critical fiber bend tolerances within the enclosure as well as to properly train patch cords.
- Splice ready and shipped with splice tray.
- Removable bulkhead for Splice Only applications.
- Design permits passage of cables from Utility side to Customer side, if required.
- Trays are aluminum complete with clear plastic cover.
- Elevated tray support to allow cables to be dressed in figure 8 configurations.
- Off-white colour better facilitates installations in low light.
- Design incorporates hasp for securing with pad lock.
- All aluminum.
- Designed and assembled in Canada.

2.0 Cautions and Warnings

Warning: Fiber Optic Cables may emit light that is invisible to the eye. Never look directly at the end of any fiber optic cable, glass stands thereof, or into the optical bulkhead of any fiber optic panel.

Warning: Glass strands are a significant eye and skin hazard. Always dispose of glass strands in a dedicated container. Wear safety glasses to minimize risks. Small glass shards should be handled with tweezers.

Caution: Glass cables are fragile and can be damaged by excessive bending, pulling, and crushing. Cables should never be manipulated beyond specification.

3.0 Package contents

General list of hardware included in package. Quantities may vary depending on order configuration.

- Panel Housing,
- Ground kit assembly OB-6,
- (1 or more) Strain relief bushing(s),
- (1 or more) Splice tray(s) with self-adhesive splice chip for 12 fibers,
- Cable ties,
- Velcro strapping,
- (1 or more) Bulkhead adaptor(s) available with following connectors: (SC or LC)/(APC or UPC)/(SM, MM, or 50 μ),
- (1 or more) Fan-out pigtail to match bulkhead adaptor,
- Labels.

4.0 Regarding angled bulkhead adaptors and fiber dressing best practices

- a) Angled bulkhead adaptors inherently provide advantages over straight adaptors in that it enforces a continuous arc in the dressed cable and results in fewer opportunities for micro bends. Bends in patch cords are also minimized and naturally flow in the desired direction, either right or left, by reversing the orientation of the bulkhead adaptor.

5.0 Cable dressing instructions:

Note: The following instructions pertain to dressing and splicing a dielectric loose tube entrance cable to a fan-out pigtail into the panel; dressing an entrance cable that is tight buffered will follow the same general procedure. Similarly, routing and securing a cable when only terminating to connectors will also follow the same general procedure.



Figure 1. W2 Mid panel shown with entrance cable and one SC/UPC bulkhead adaptor.

1. Upon installing the panel to the wall surface, ensure that approximately 10 additional feet of cable is pulled past the panel. The example above shows the cable entering the panel in a flexible conduit. If you are running the cable free air, it is recommended to install a strain relief bushing on the panel.

5.0 Cable dressing instructions (con't.):



Figure 2. Cable shown with outer jacket stripped back to reach worktable. The outer jacket of the cable is affixed to the back pan using tie straps.

2. Remove enough of the outer jacket of the entrance cable so that the inner tube will reach your worktable with cable to spare for splicing, leaving approximately 6" of the outer jacket on the fiber that will be affixed to the panel using the supplied tie straps.

5.0 Cable dressing instructions (con't.):



Figure 3. Coil the tube back into the panel and mark where the tube will enter the splice tray. Strip the tube at this point leaving loose fibers exposed and ready to be spliced.

3. Coil the inner tube back into the panel. With the splice tray temporarily installed mark the inner tube with a felt marker where the tube will enter the tray. Strip the tube to this marked location, leaving approximately three feet for splicing.

5.0 Cable dressing instructions (con't.):

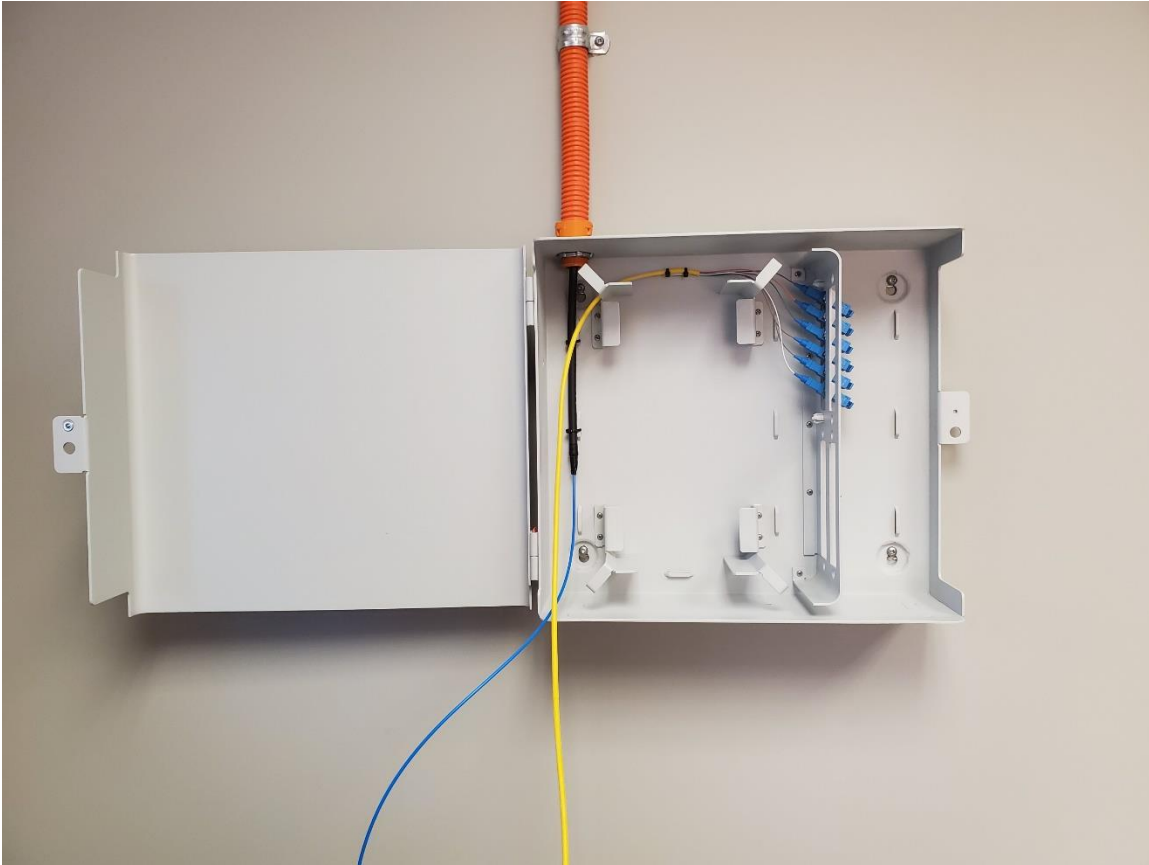


Figure 4. Pigtail Fanout shown plugged into the adaptor with the outer jacket secured at the 12:00 position. The jacket may also be secured at the 6:00 position if desired. Individual strand length has been adjusted.

4. Plug the Pigtail Fanout into the adaptor as shown in figure 4. The outer jacket should be secured to the panel using the supplied tie straps in either the 12:00 position or the 6:00 position. Do not over tighten the tie straps.

Adjust the individual strand length. OPTI-pro fanout pigtails are manufactured without kevlar strengthening members. This allows individual fiber strand length of the fanout pigtail to be adjusted by straightening the cable and pulling out excess length.

5.0 Cable dressing instructions (con't.):

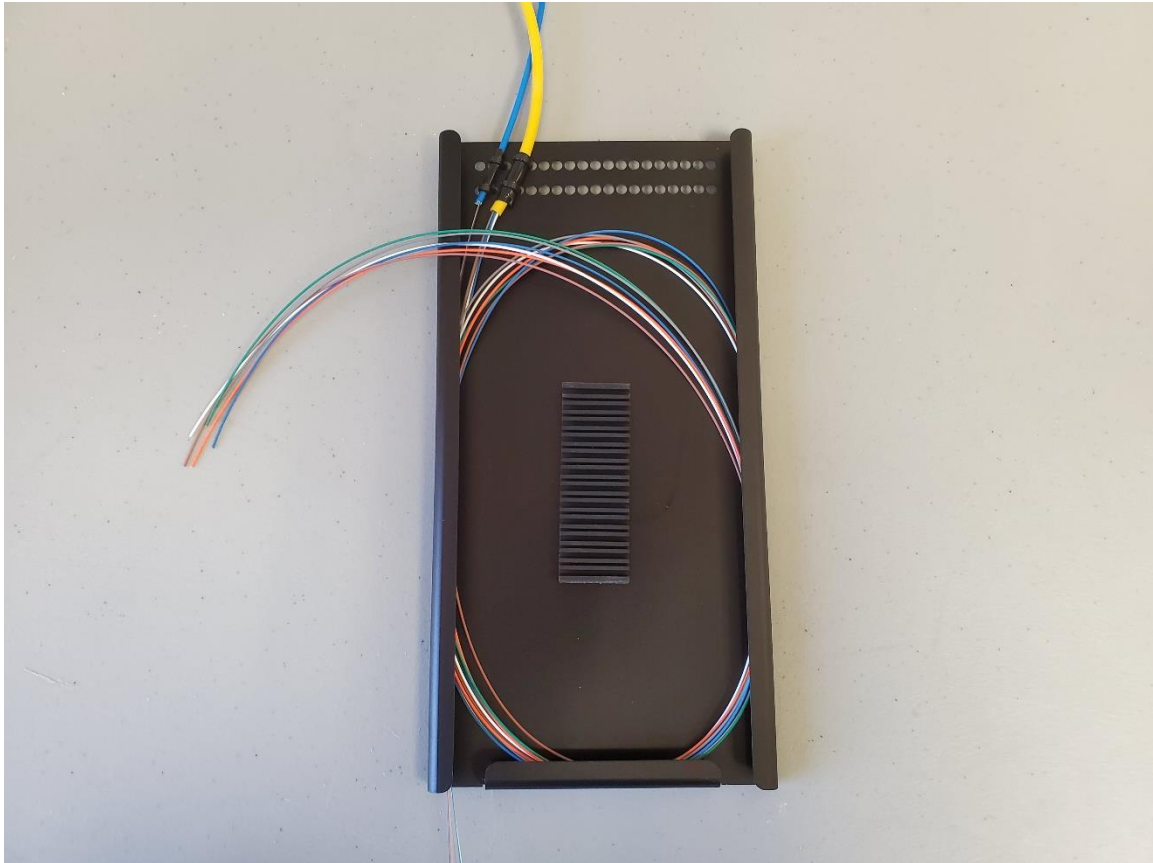


Figure 5. Splice tray shown with cables tie strapped into place in preparation for splicing. Note both the cables are attached onto the left side of the tray and are tight together. The splice chip is also affixed to the tray.

5. Stretch the Pigtail fanout to match the entrance cable. Strip the jacket of the Pigtail Fanout at the same point where the entrance cable was stripped and affix to the tray at one of the corners so that the two cables lie beside each other.

5.0 Cable dressing instructions (con't.):

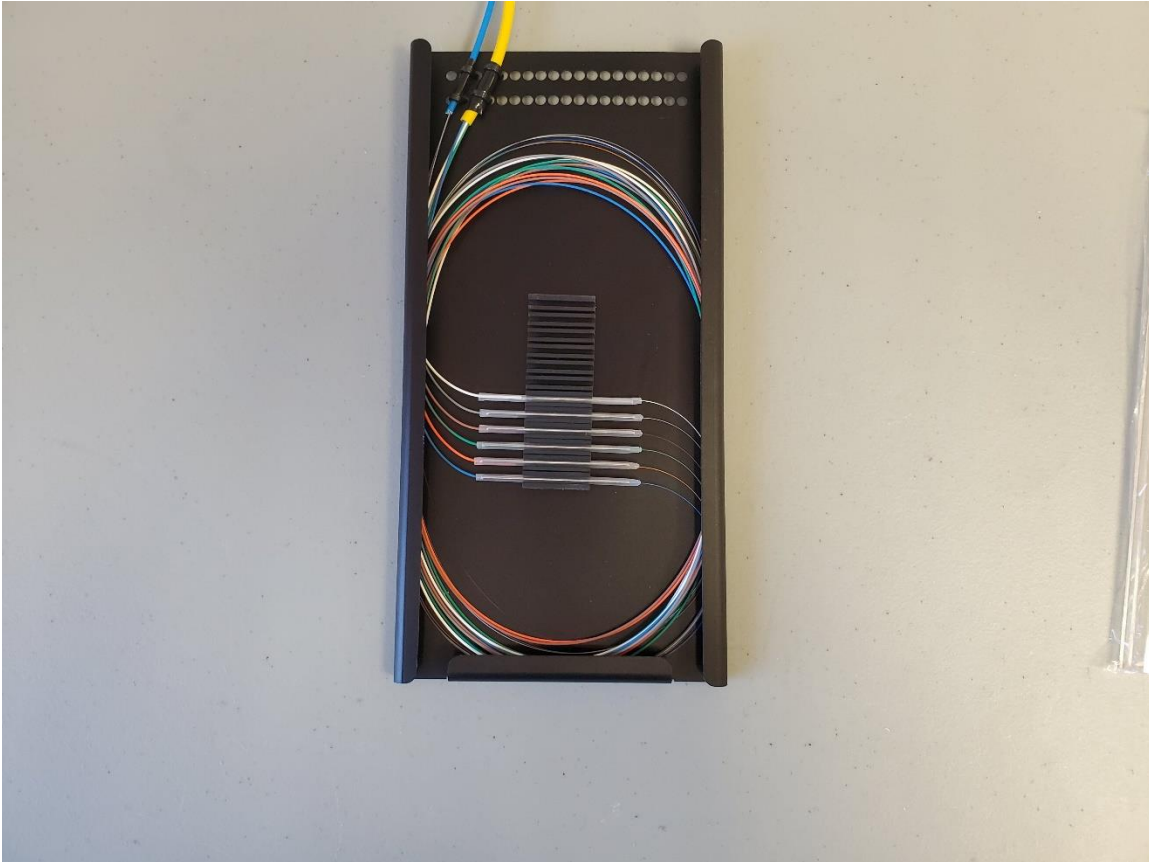


Figure 6. Drawer shown with fan-out pigtail spliced to the entrance cable.

6. Splice the fibers per the operating procedure of your fiber splice machine.

5.0 Cable dressing instructions (con't.):

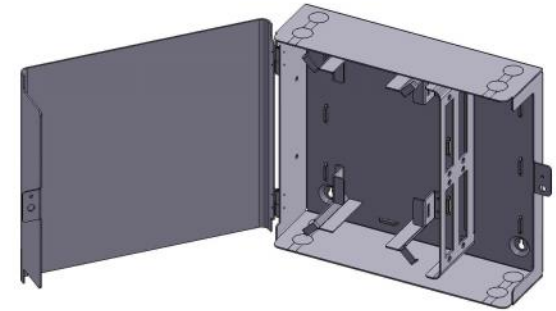
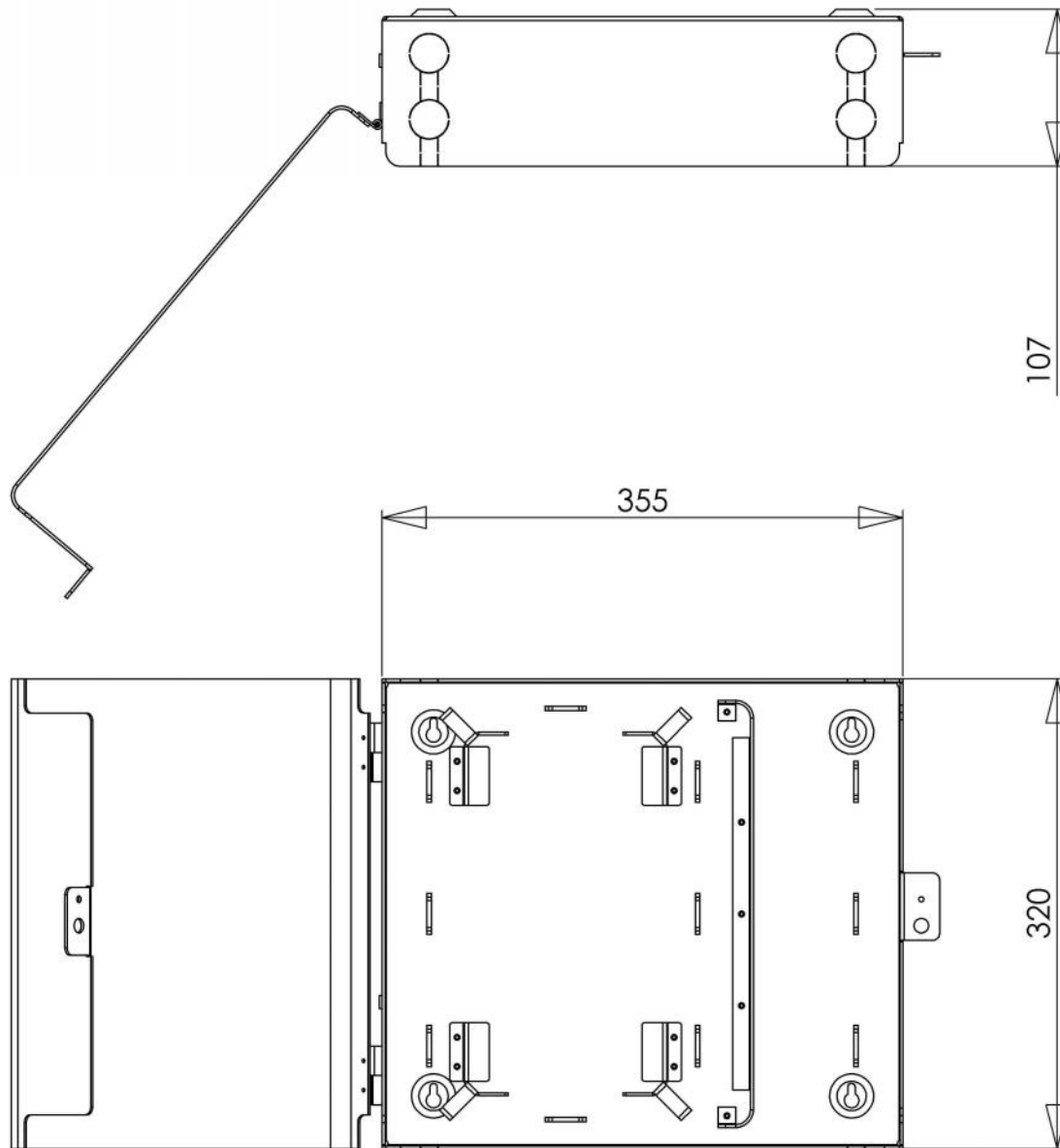


Figure 8. Panel shown with cables neatly affixed to the back panel with splice tray installed.

7. The spliced cables and tray may now be dressed into the panel by winding the required extra cable length used to reach your worktable back into the panel and around the tray brackets. The cables may be fixed in place using the supplied tie straps or Velcro strapping. Do not over tighten the tie straps.

Questions:

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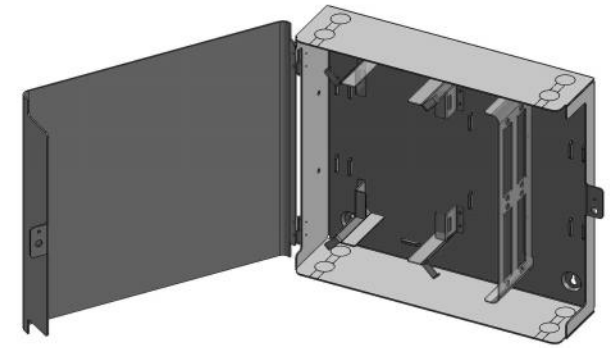
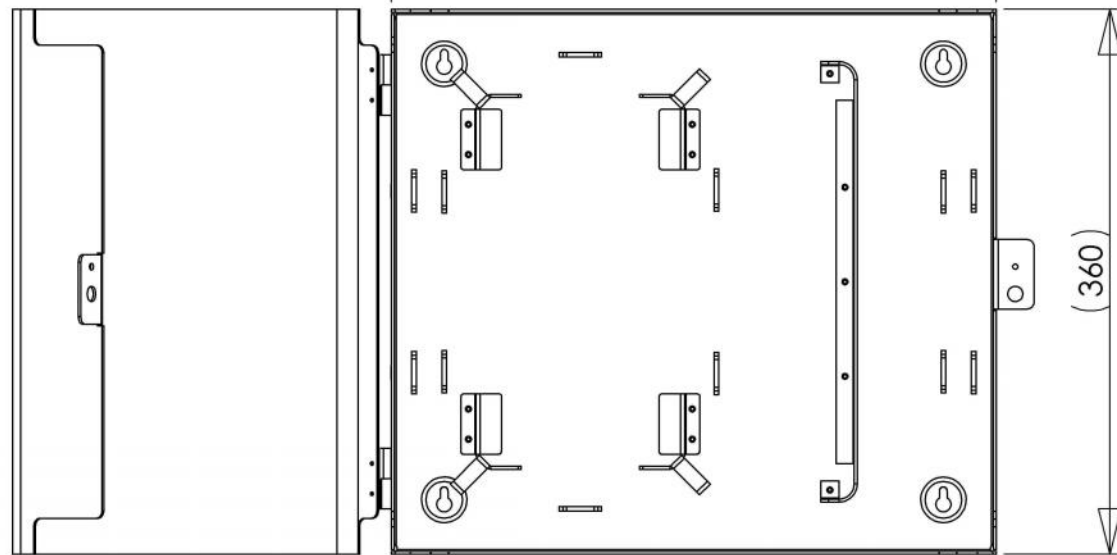
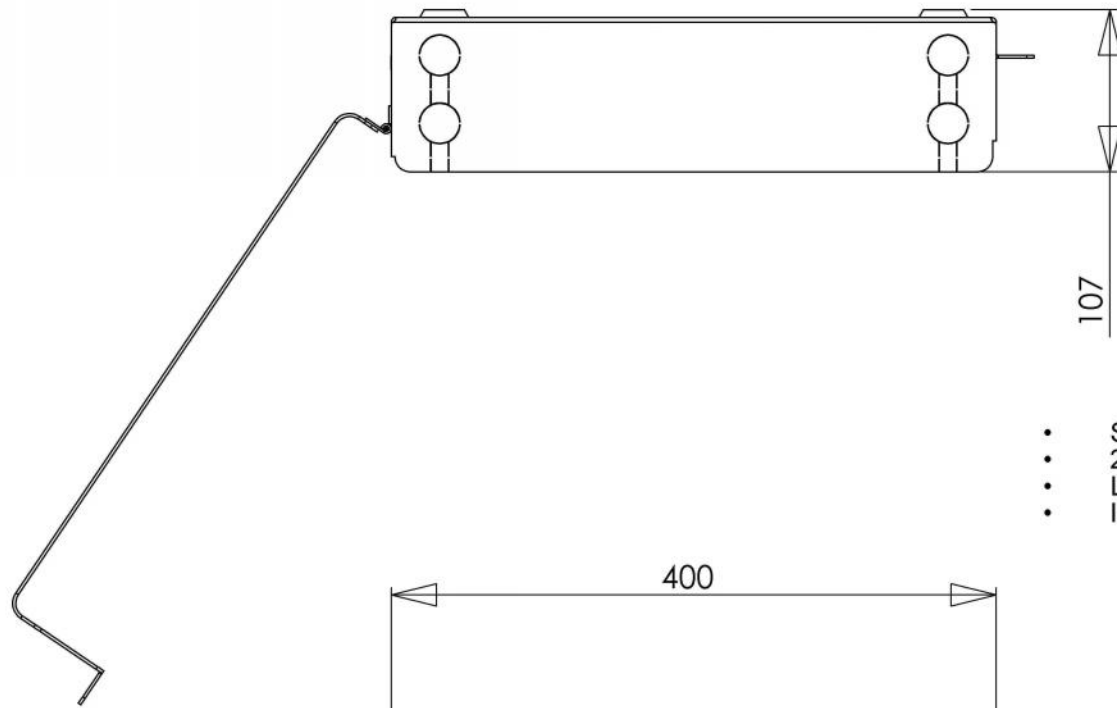


- Splice/Patch.
- 24 Port - 48 Fiber Capacity with LC connectors.
- Typical application: Intra Floor Riser Room, Customer premise.
- Incorporates hasp for padlock (User supplied).

W-2 Assembly
Drawing #1 Jan 14 2013



SIZE A	Finish = Grey Powder coat	REV.
WEIGHT:		SHEET 1 OF 1



- Splice/Patch.
- 24 Port - 48 Fiber Capacity with LC connectors.
- Larger size facilitates OSP cable termination (Building Entrance).
- Incorporates hasp for padlock (User supplied).

W-3 Assembly
Drawing #1 Jan 14 2013



SIZE A	Finish = Grey Powder coat	REV.
WEIGHT:		SHEET 1 OF 1