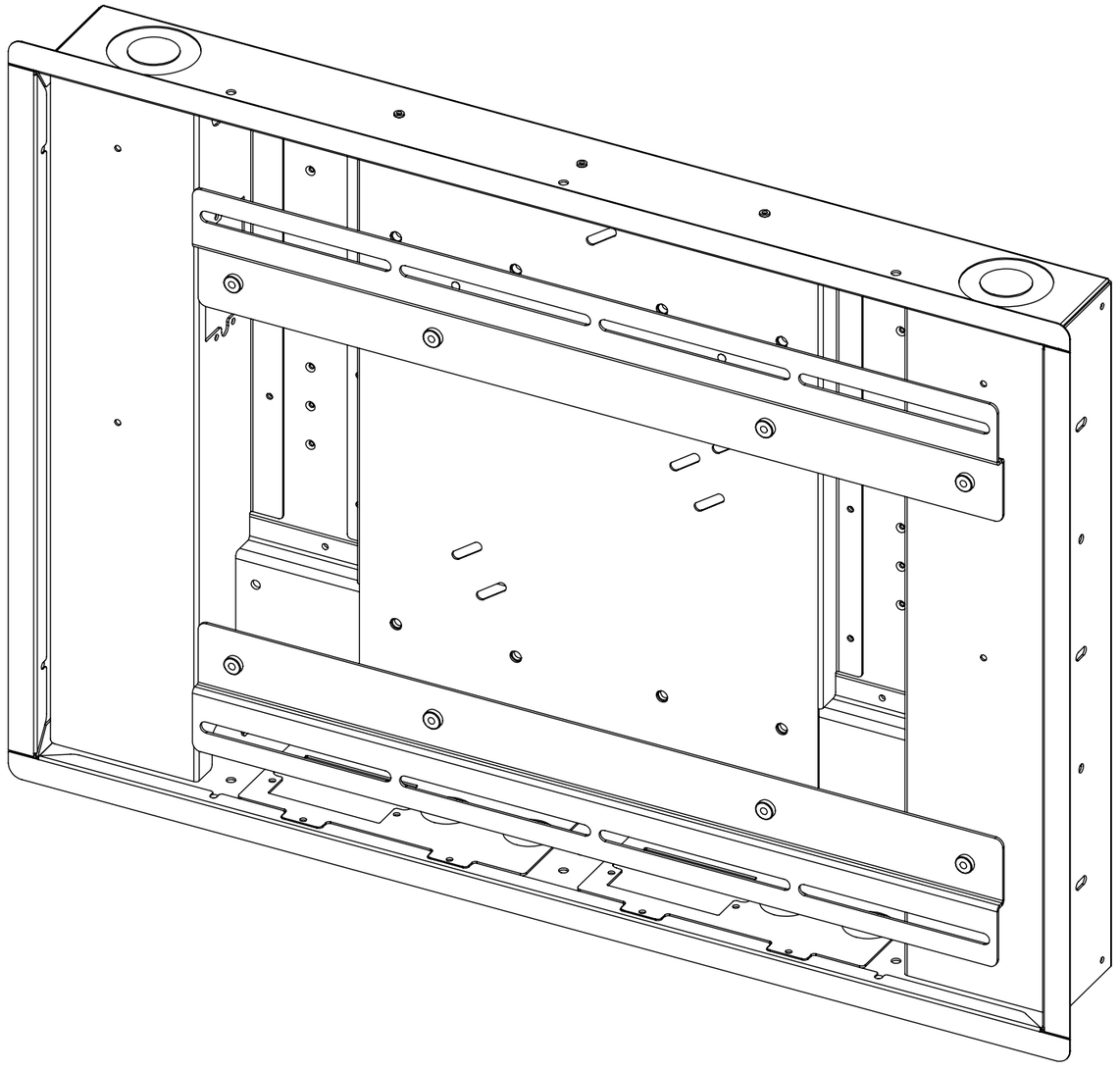
WB PSE90
WALL BOX FOR PSE90

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TECHNICAL SHEET
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WB PSE90
WALL BOX FOR PSE90

SPECIFICATION	MEASUREMENTS
Product Dimensions WxHxD	798mm (31 7/16") x 572mm (22 1/2") x 98mm (3 7/8")
Product Weight	15.2Kg (33.5lbs)
Packaging Dimensions	850 (33 7/16") x 580mm (22 13/16") x 150mm (5 7/8")
Shipping Weight	17kg (37.4lbs)
Product Options / Features	Custom RAL paint finishes
Package Contents	1 x Wall box, 2 x Wattbox blanking plates, 2 x Inner cable cover panels, 2 x Horizontal trims, 2 x Vertical trims, 2 x Horizontal Offset Adaptor plates
Marine Suitable	No

WB PSE90
WALL BOX FOR PSE90

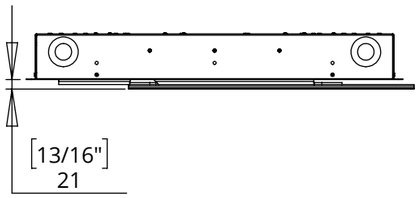
future automation

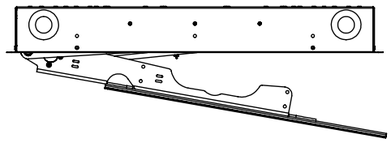
PSE90 DESIGN HIGHLIGHTS

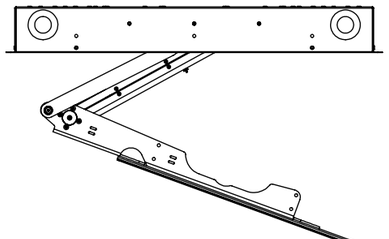
Sophisticated electronics allow for a favourite viewing position to be programmed via the IR remote control. The arm of the bracket conceals all power and signal cables.

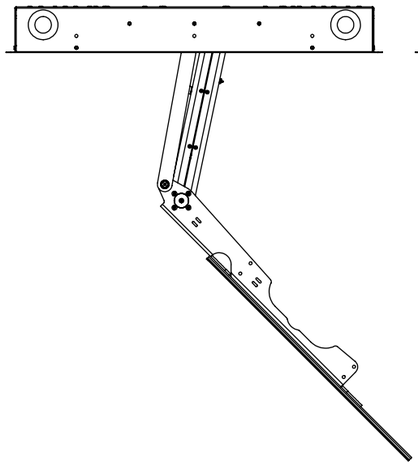
The mechanism allows up to 749mm extension of screen centre from wall. Adjustable offset plates allow the bracket to take a wide variety of screens.

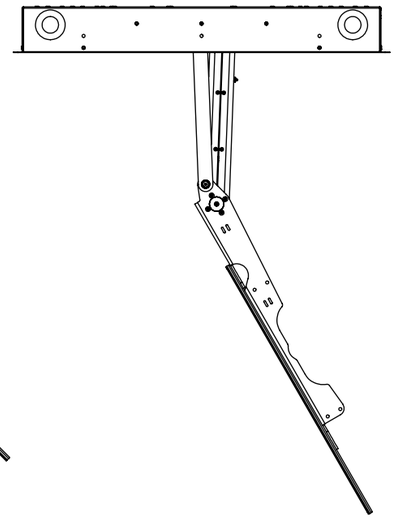
PSE90 IN WALL BOX



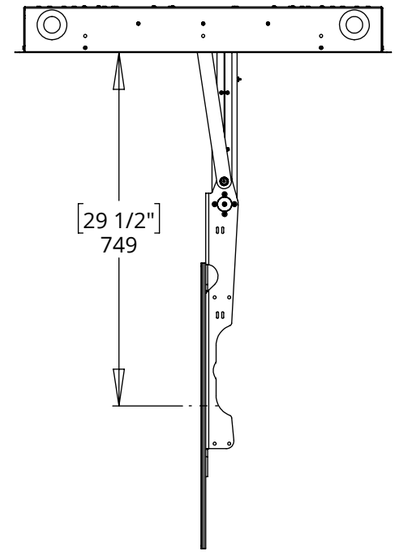




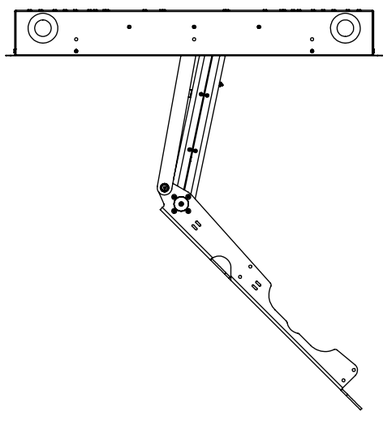




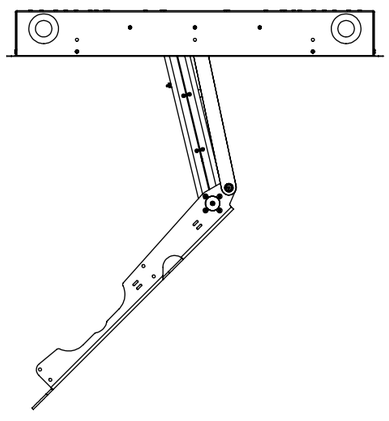
PSE90 OUT -
MAXIMUM CENTRE OF
SCREEN EXTENSION,
WITH OFFSET PLATES



PSE90 OUT 45 - CLOCKWISE



PSE90 OUT 45- COUNTER-CLOCK WISE



The bracket moves in one sweeping motion, shown above; rotating the screen clockwise or anticlockwise depending on which mechanism you have ordered.

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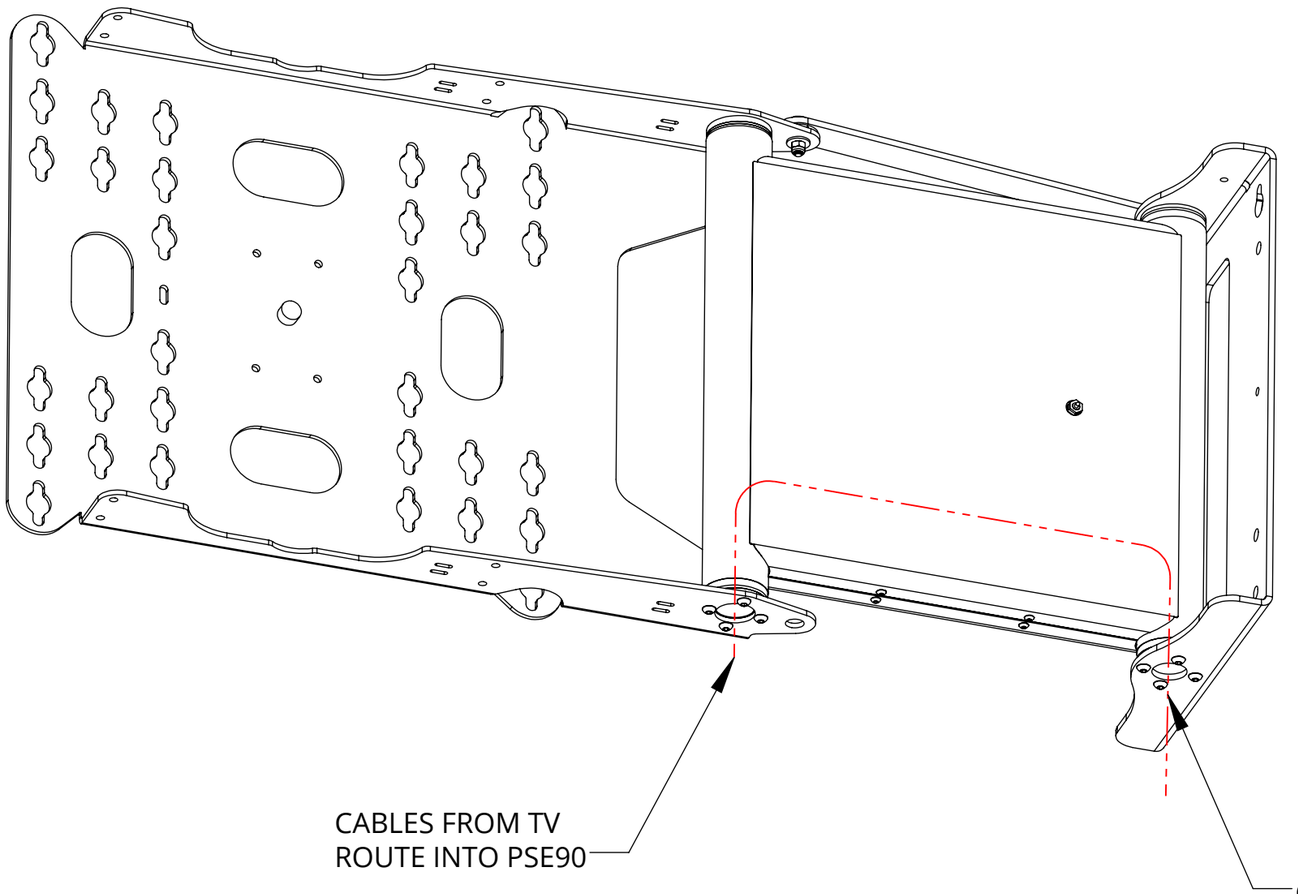
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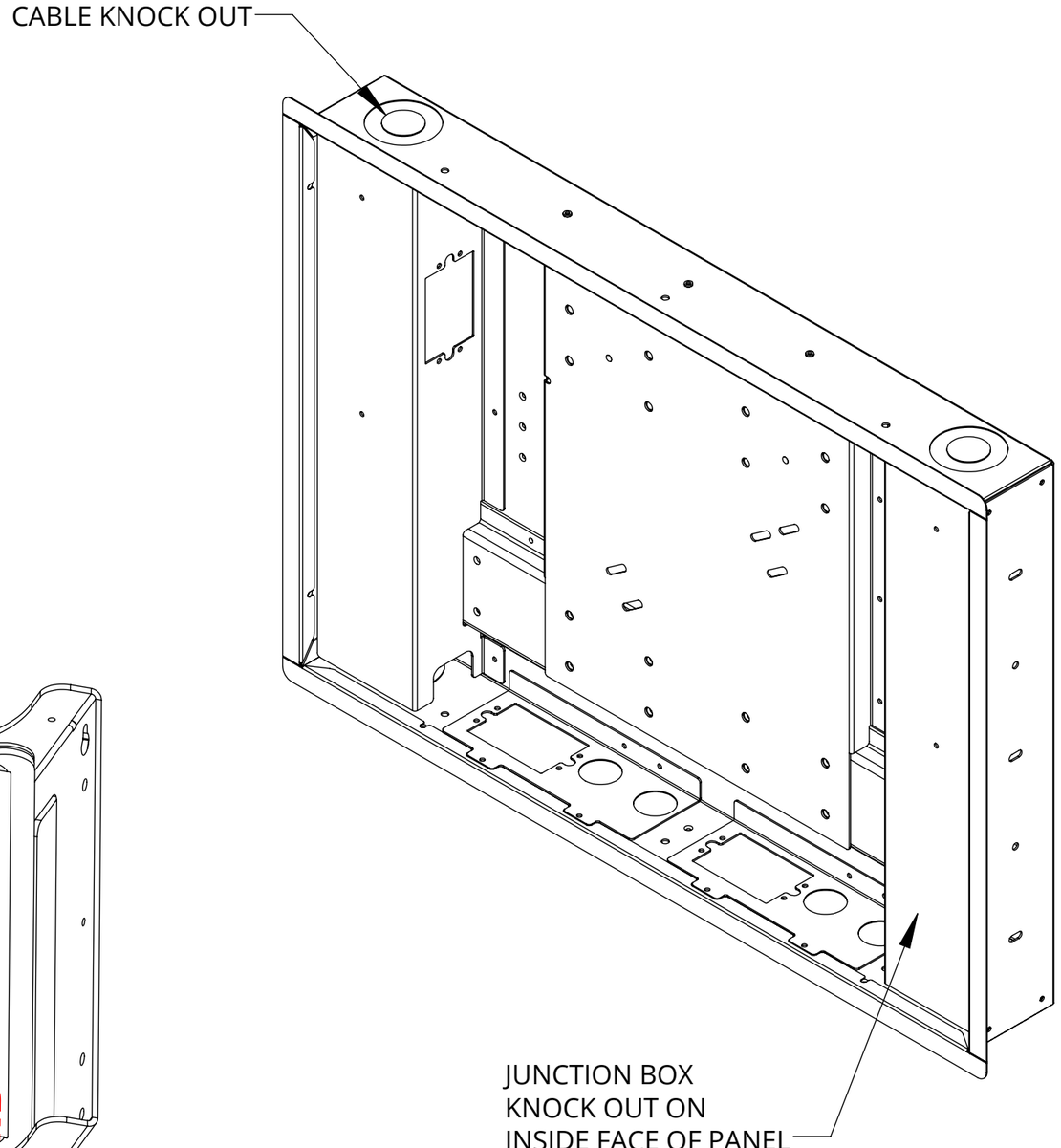
WB PSE90
WALL BOX FOR PSE90

CABLE ROUTING

Route cable as shown, ensuring sufficient slack at moving points.

Use the knockout panels to install a junction box and/or pass the cables through the wall box into the wall cavity.



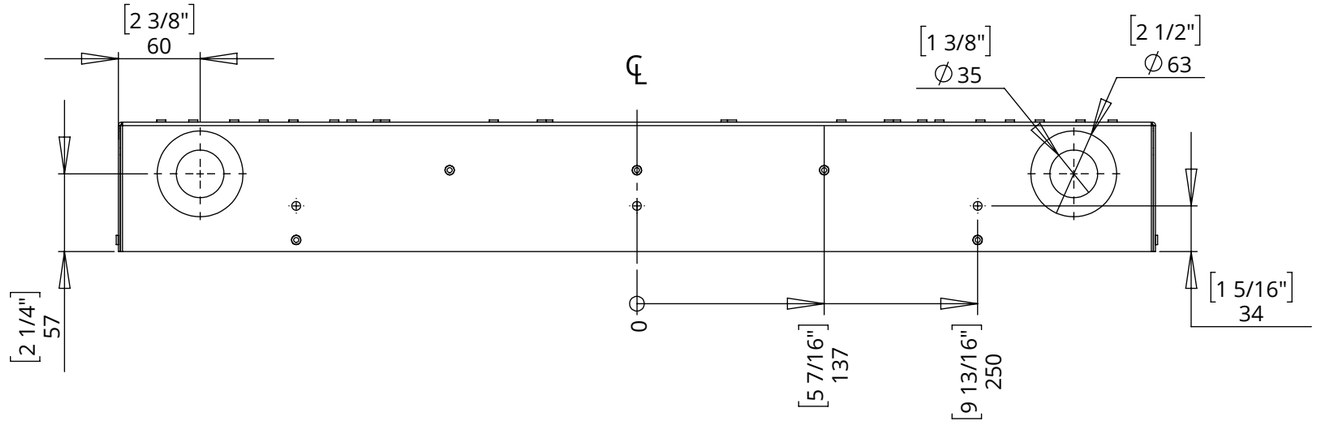


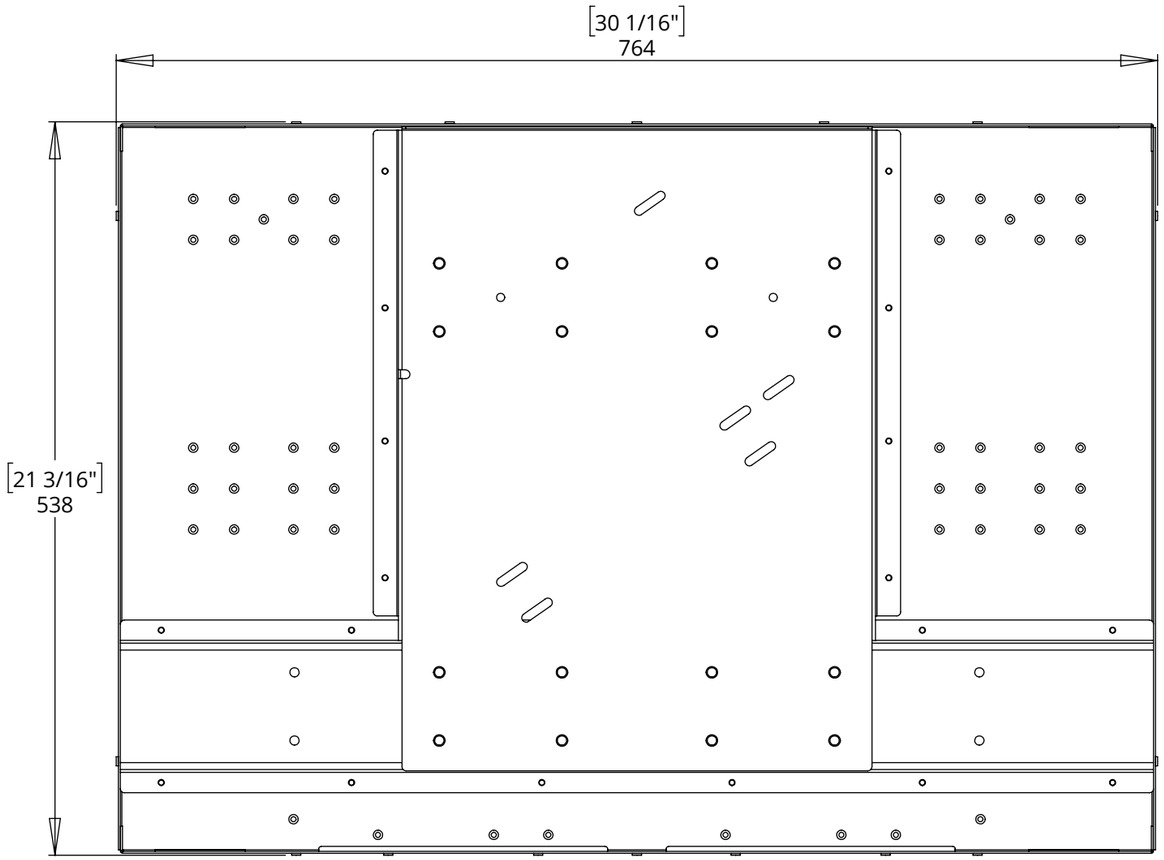
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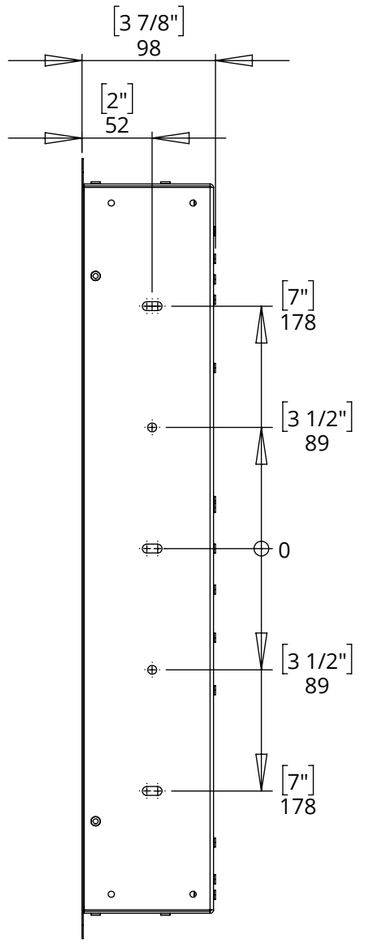
TECHNICAL SHEET
ISSUE 005
SHEET 4

WB PSE90
WALL BOX FOR PSE90

WALL BOX MOUNTING DIMENSIONS







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SHEET 5

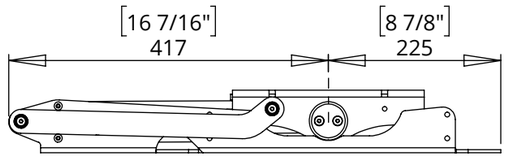
WB PSE90
WALL BOX FOR PSE90

PSE90 MOUNTING

The PSE90 wall plate is not central of the mechanism, shown right. This results in the mechanism needing to mounted off centre within the Wall Box.

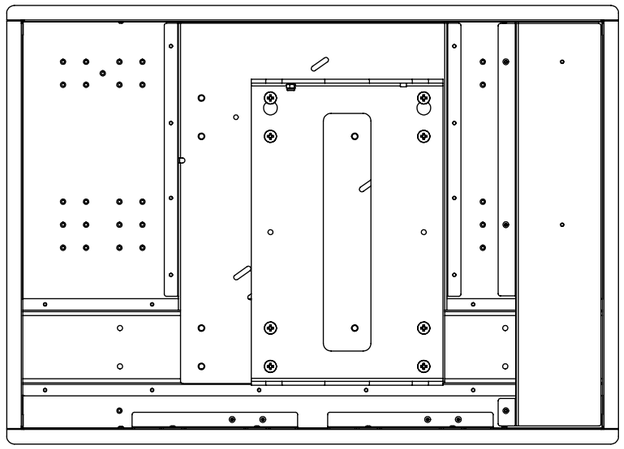
The Wall Box has eight M8 mounting holes for the PSE90 wall plate. Depending if you are mounting a PSE90-CW or PSE90-CCW, depends on whether you mount the mechanism using the left or right set of holes.

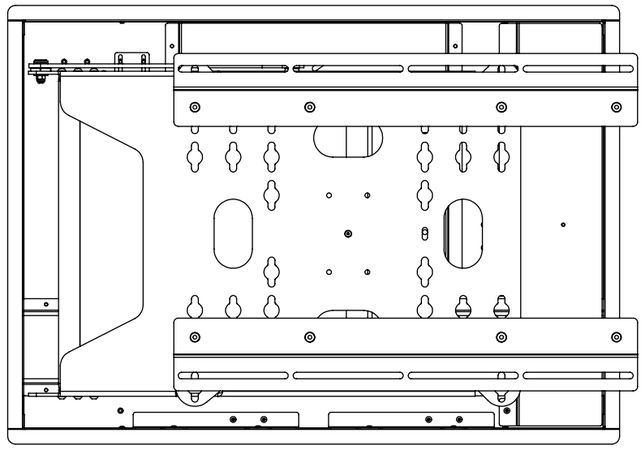
PSE90-CW Top View



PSE90-CW

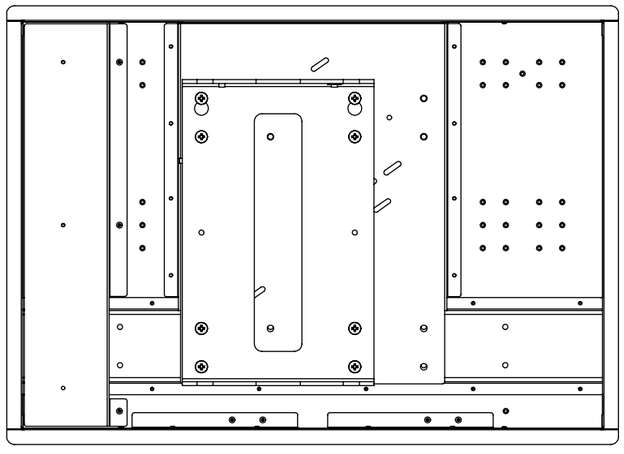
Clockwise Movement uses right set of holes and right Inner Panel.

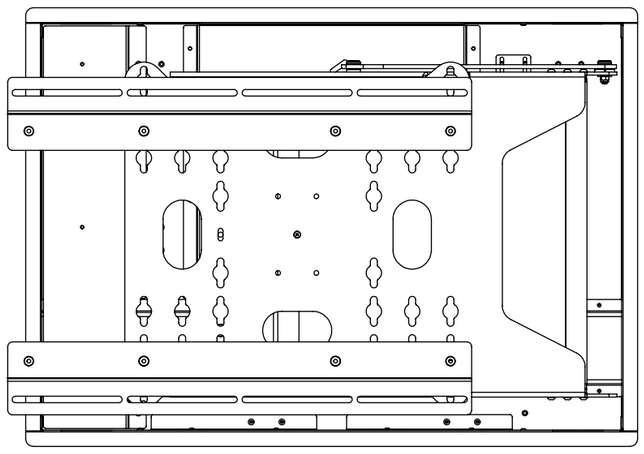




PSE90-CCW

Counter Clockwise Movement use left set of holes and left Inner Panel.

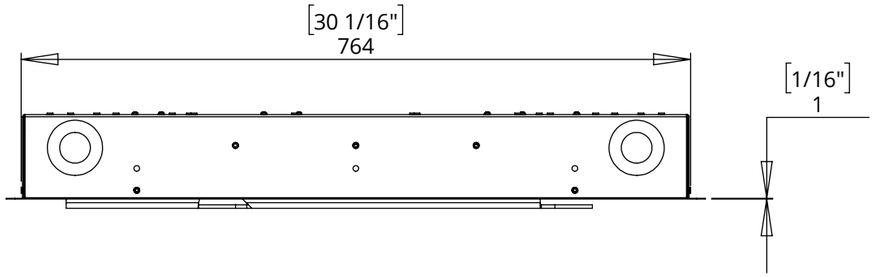


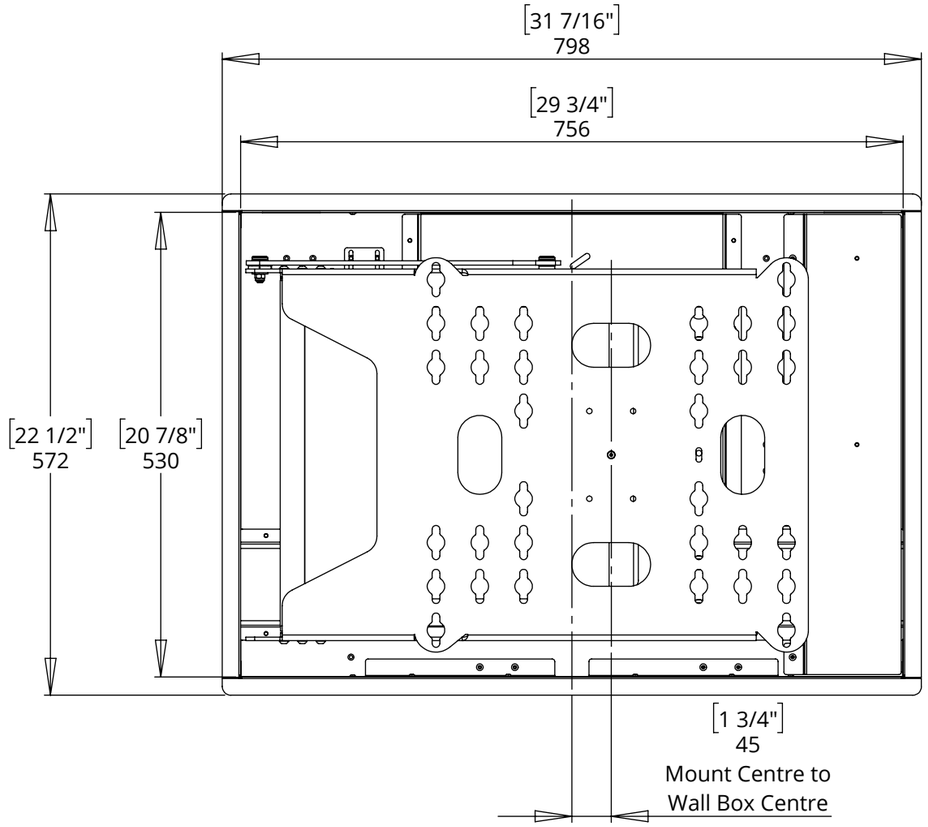


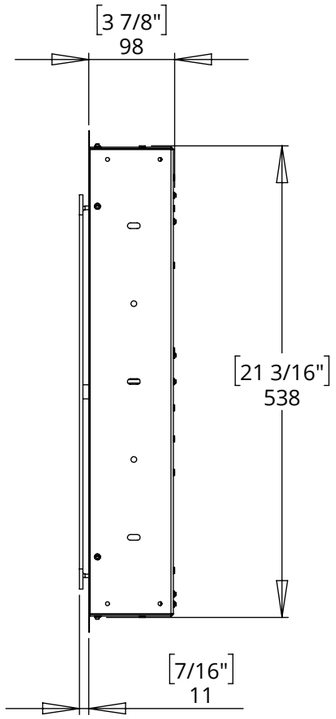
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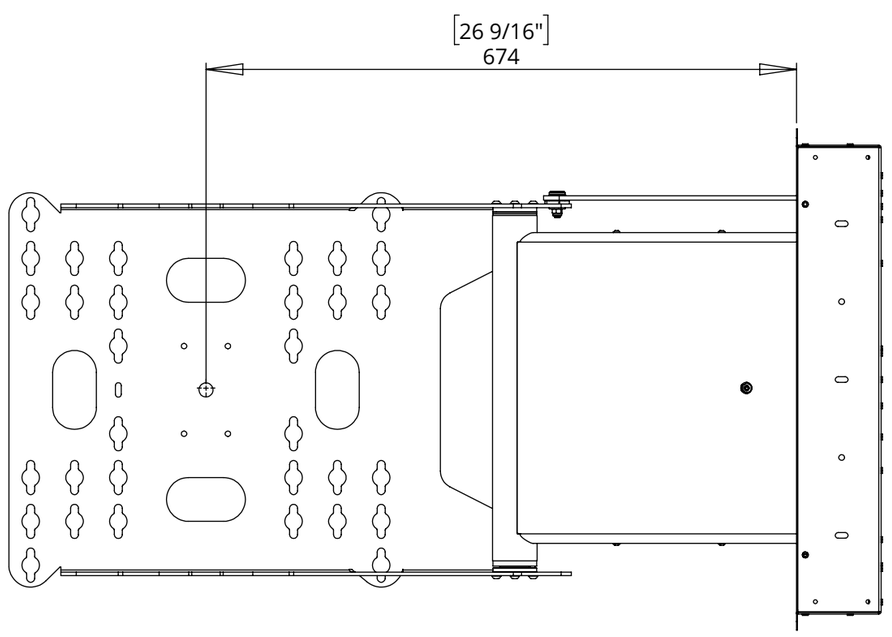
WB PSE90
WALL BOX FOR PSE90

GENERAL DIMENSIONS - WITHOUT OFFSET MOUNT PLATES







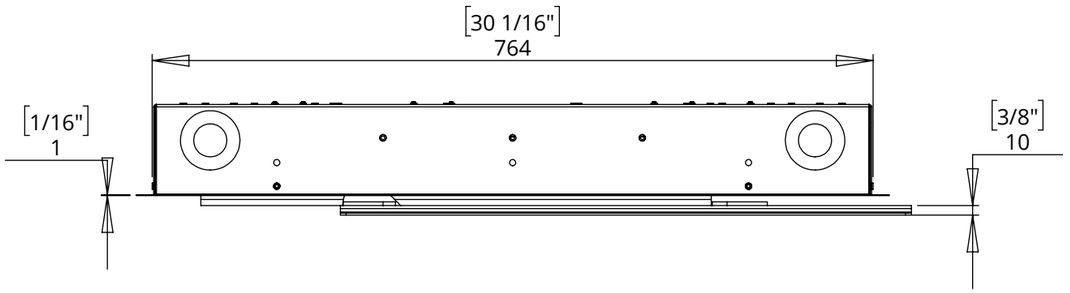


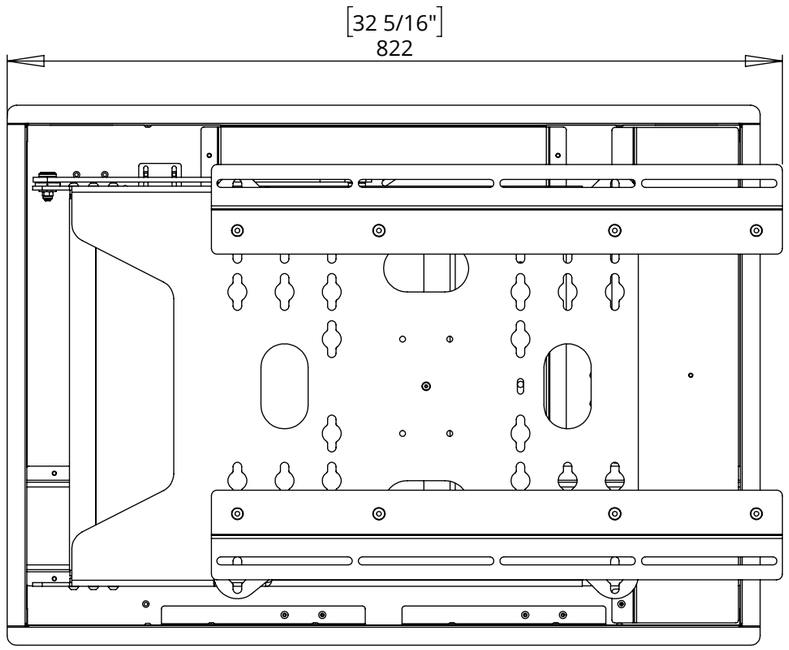
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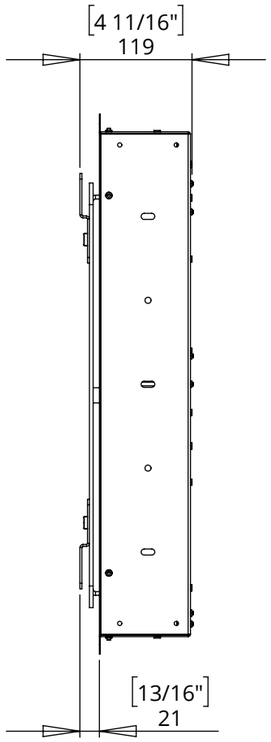
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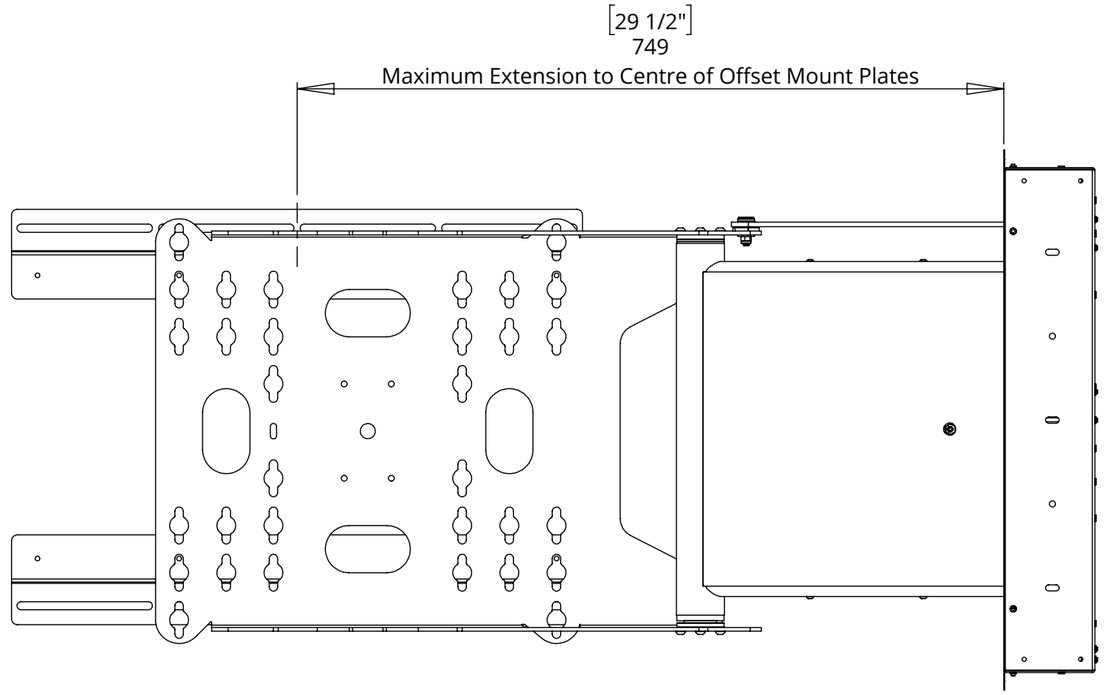
WB PSE90
WALL BOX FOR PSE90

GENERAL DIMENSIONS - WITH OFFSET MOUNT PLATES









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WB PSE90
WALL BOX FOR PSE90

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SCREEN OFFSET

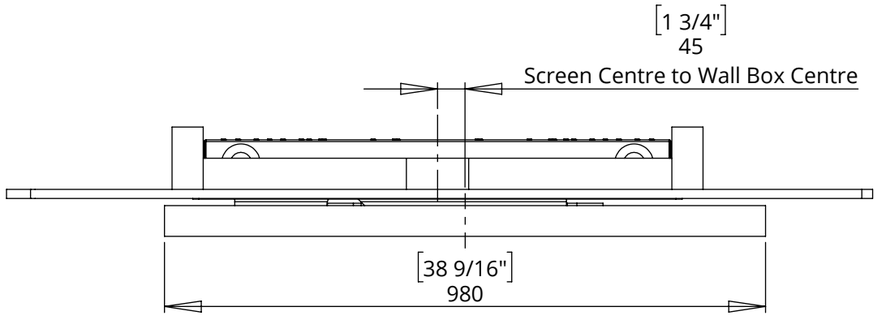
With the installation of the Wall Box, the PSE90 wall plate is recessed back into the wall by 71mm [2.8"]. In turn this may call for the screen to be offset to allow for clearance between the tv and the wall when the mechanism is in operation.

When the mechanism opens to approximately 6 degrees, the screen edge is at its closest to the wall. This can be used to determine the amount offset needed for a screen. Typically the screen edge should be at a minimum of 10mm away from the wall when at 6 degrees.

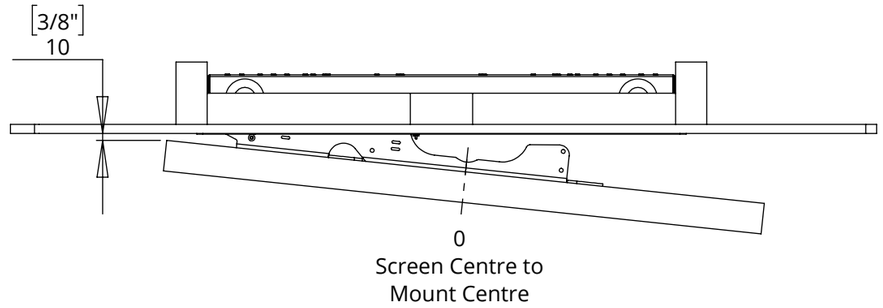
NOTE:

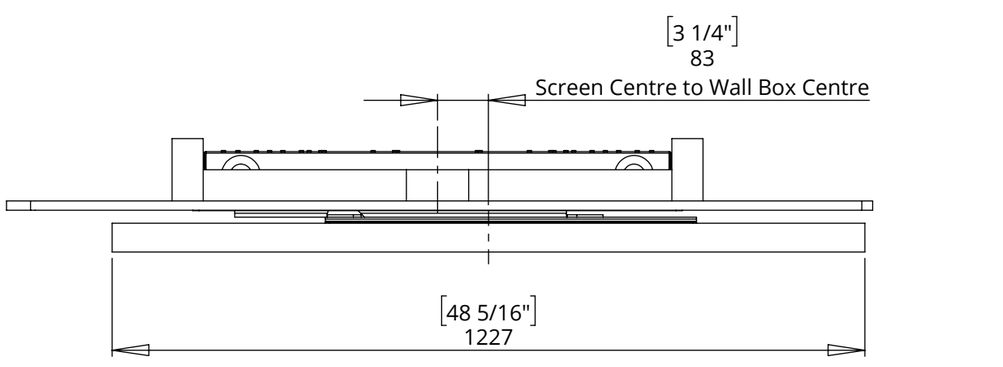
A screens mounting hole location may effect the ability to offset the screen.

A screens offset is dependent on its width, therefore smaller screens will not need as great offset as large screens

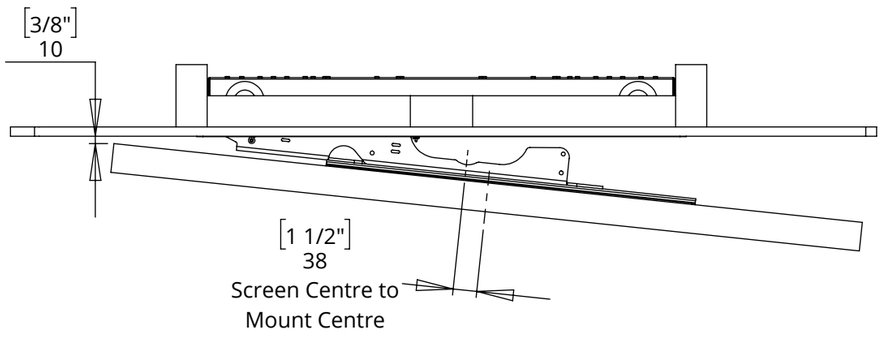


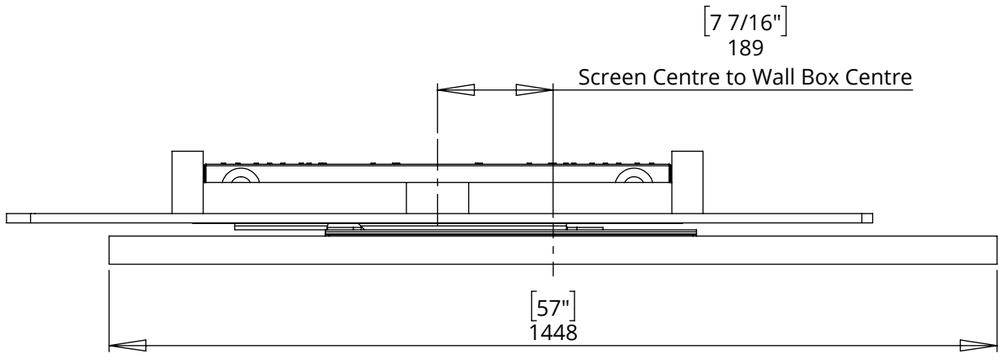
TYPICAL 46" SCREEN



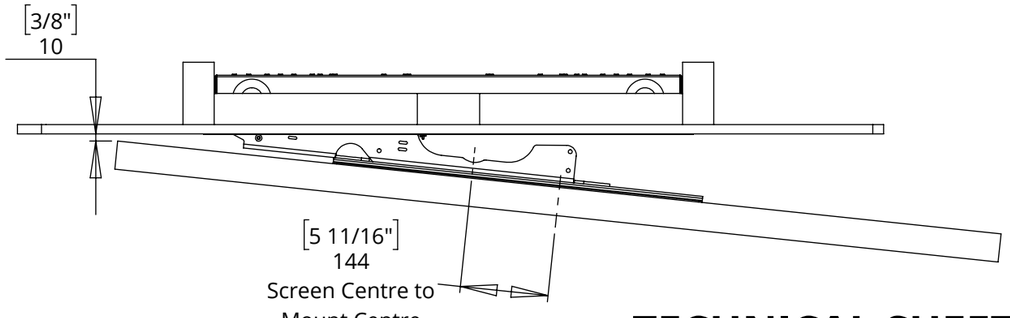


TYPICAL 55" SCREEN





TYPICAL 65" SCREEN



WB PSE90
WALL BOX FOR PSE90

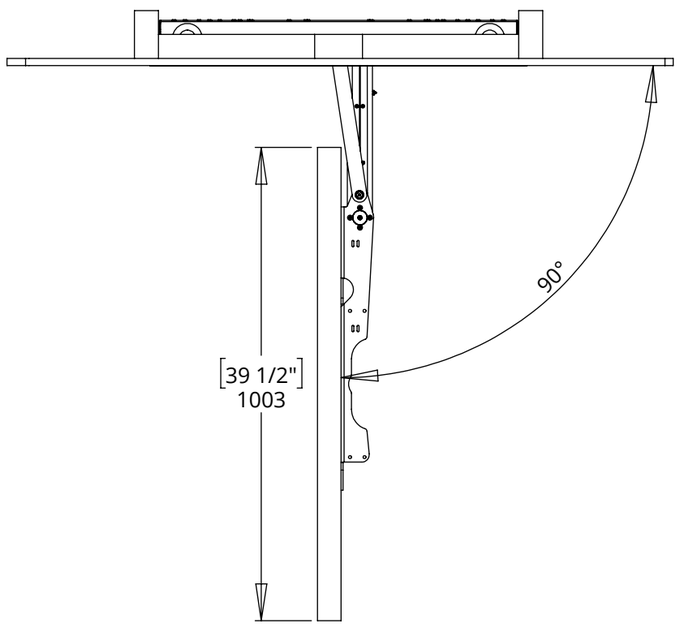
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ROTATION ANGLE

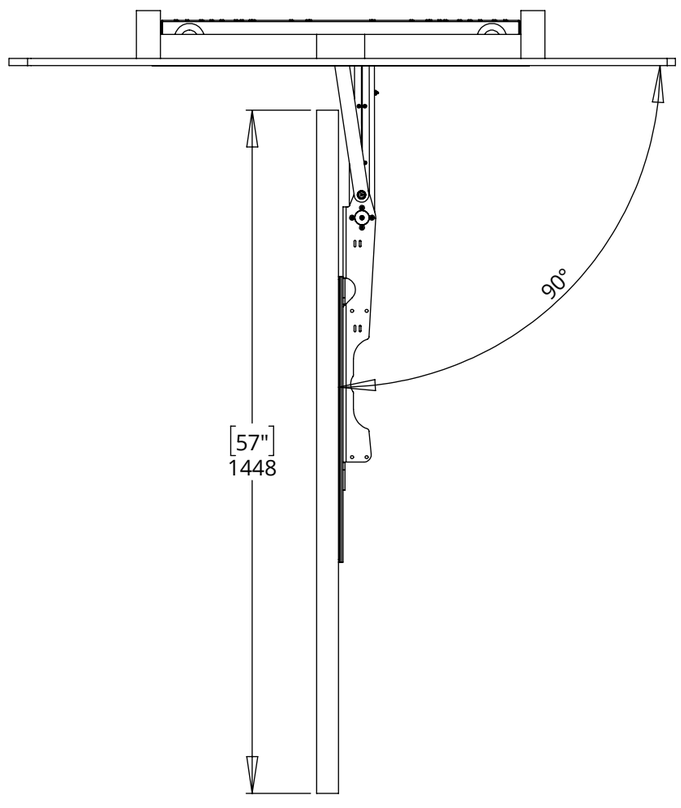
Below shows the maximum possible screen widths in the 60 degree and 90 degree viewing angles.

With the installation of the Wall Box, the PSE90 wall plate is recessed back into the wall by 71mm [2.8"]. This decreases the maximum viewing angle rotation for varying sized screens. The screen size and its offset should be considered as this limits the screen size at various angles, for example shown below at 60 degrees.

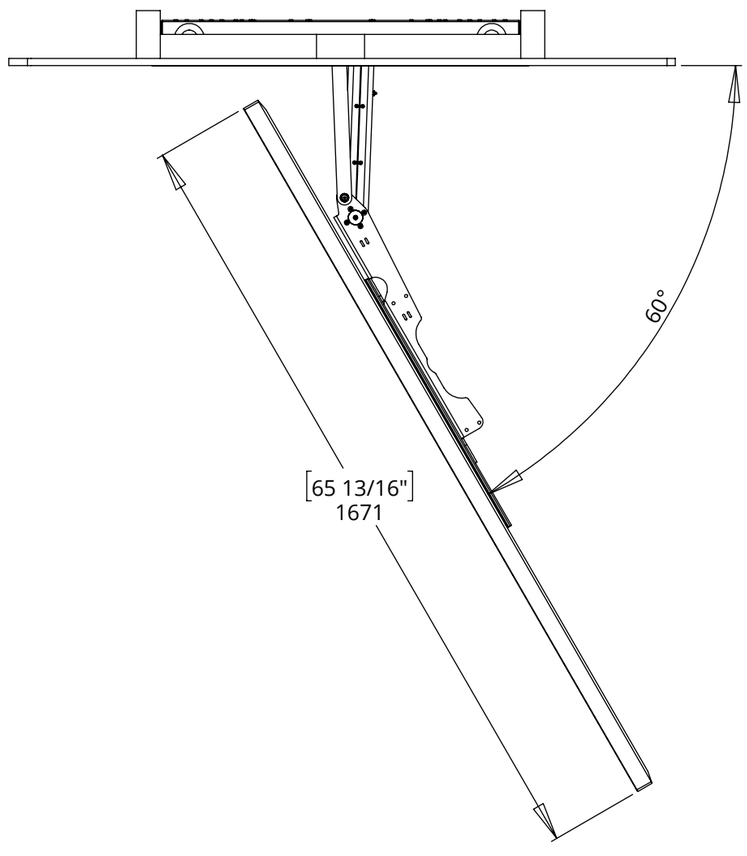
90 DEGREES - NO OFFSET PLATES



90 DEGREES - WITH OFFSET PLATES



60 DEGREES - WITH OFFSET PLATES



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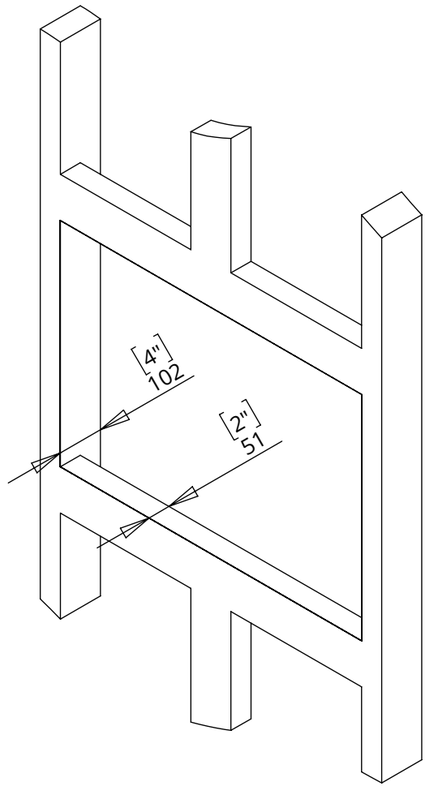
TECHNICAL SHEET
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WB PSE90
WALL BOX FOR PSE90

FRAMING DETAILS

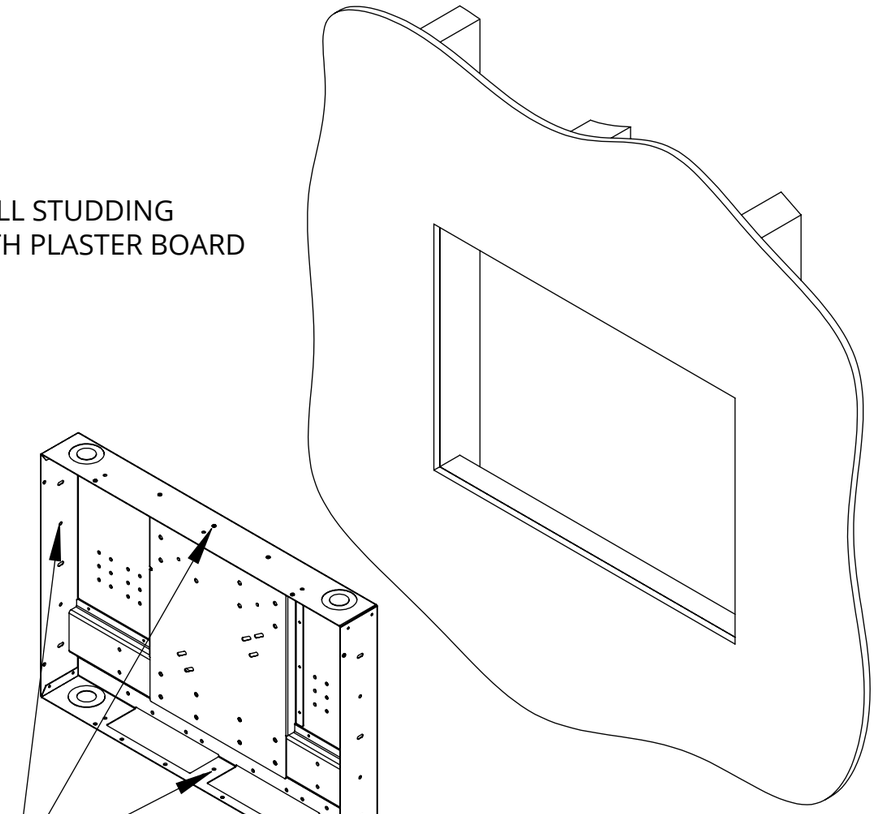
Shallow horizontal studding should be used when framing the Wall Box. This allows for cables and a watt box to be fitted within the wall, and pass through both the grommet holes and the panel cut outs in the box - shown on the Section View.

The studding either side of the wall box should be deeper to allow for secure fixing of the wall box.

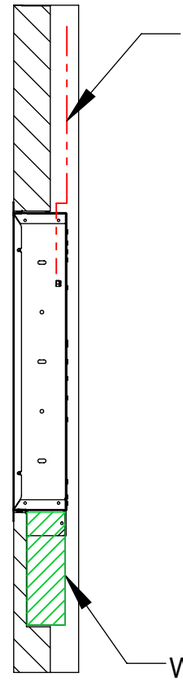


WALL STUDDING

WALL STUDDING
WITH PLASTER BOARD



INSERT WALL BOX
INTO RECESS AND
SECURE THROUGH
FIXING HOLES

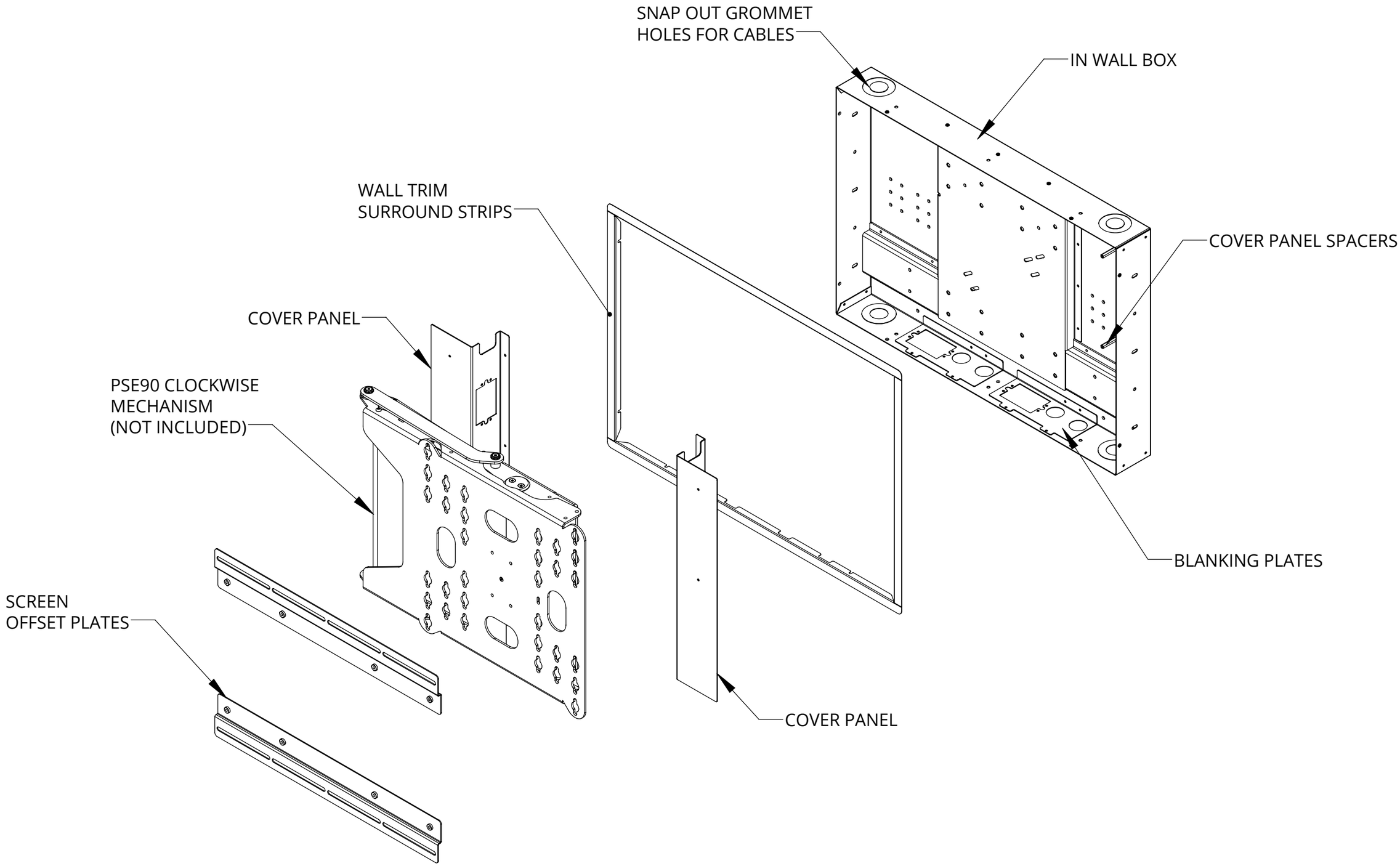


SECTION VIEW

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