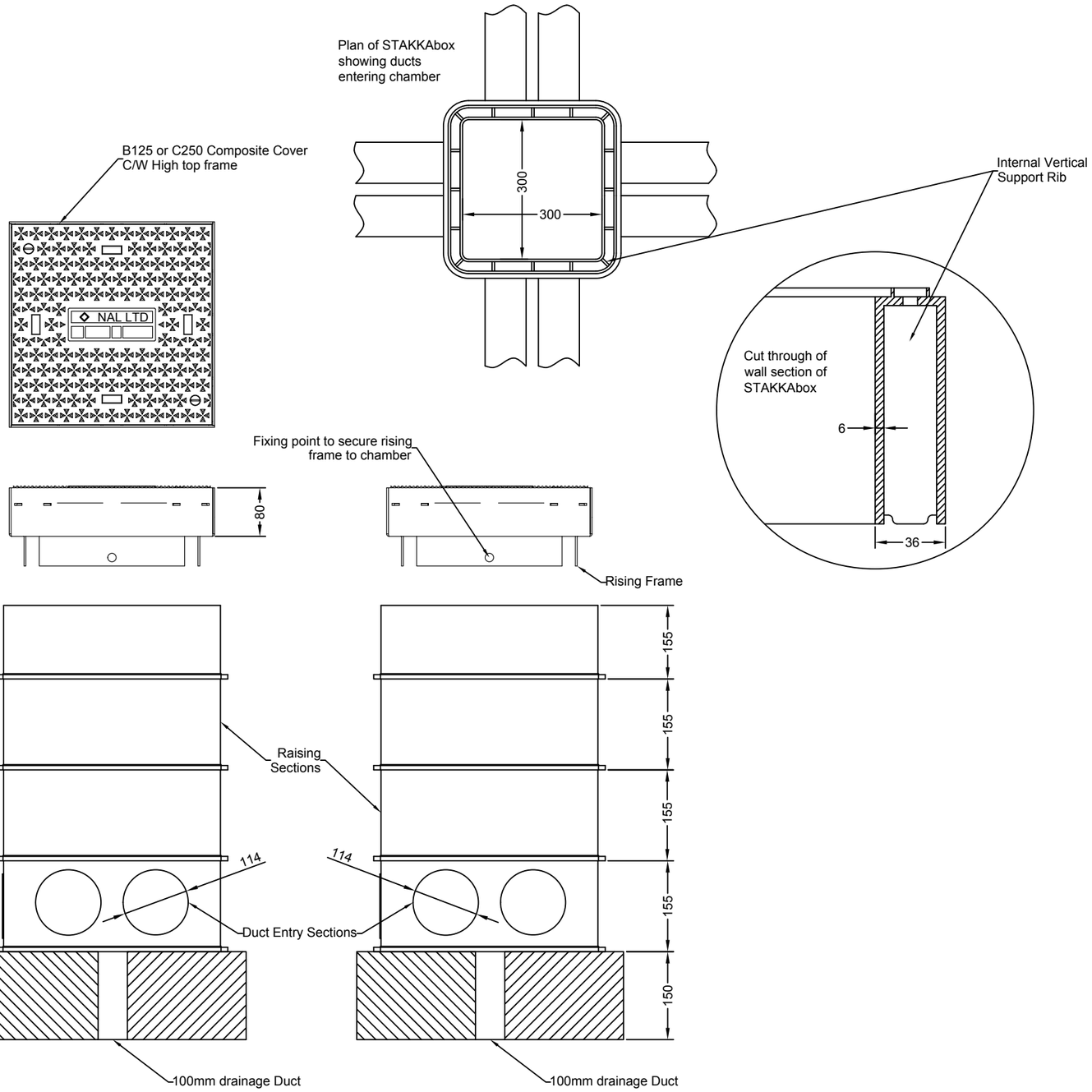
All dimensions in mm

A3



SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

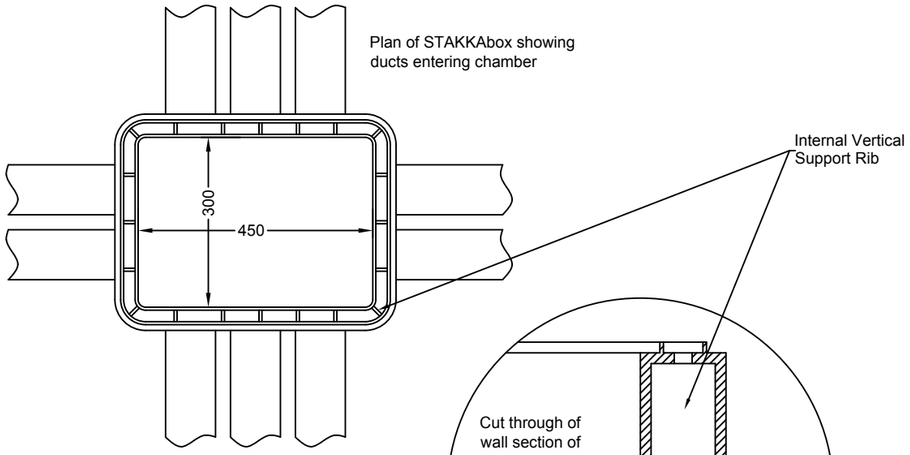
TITLE

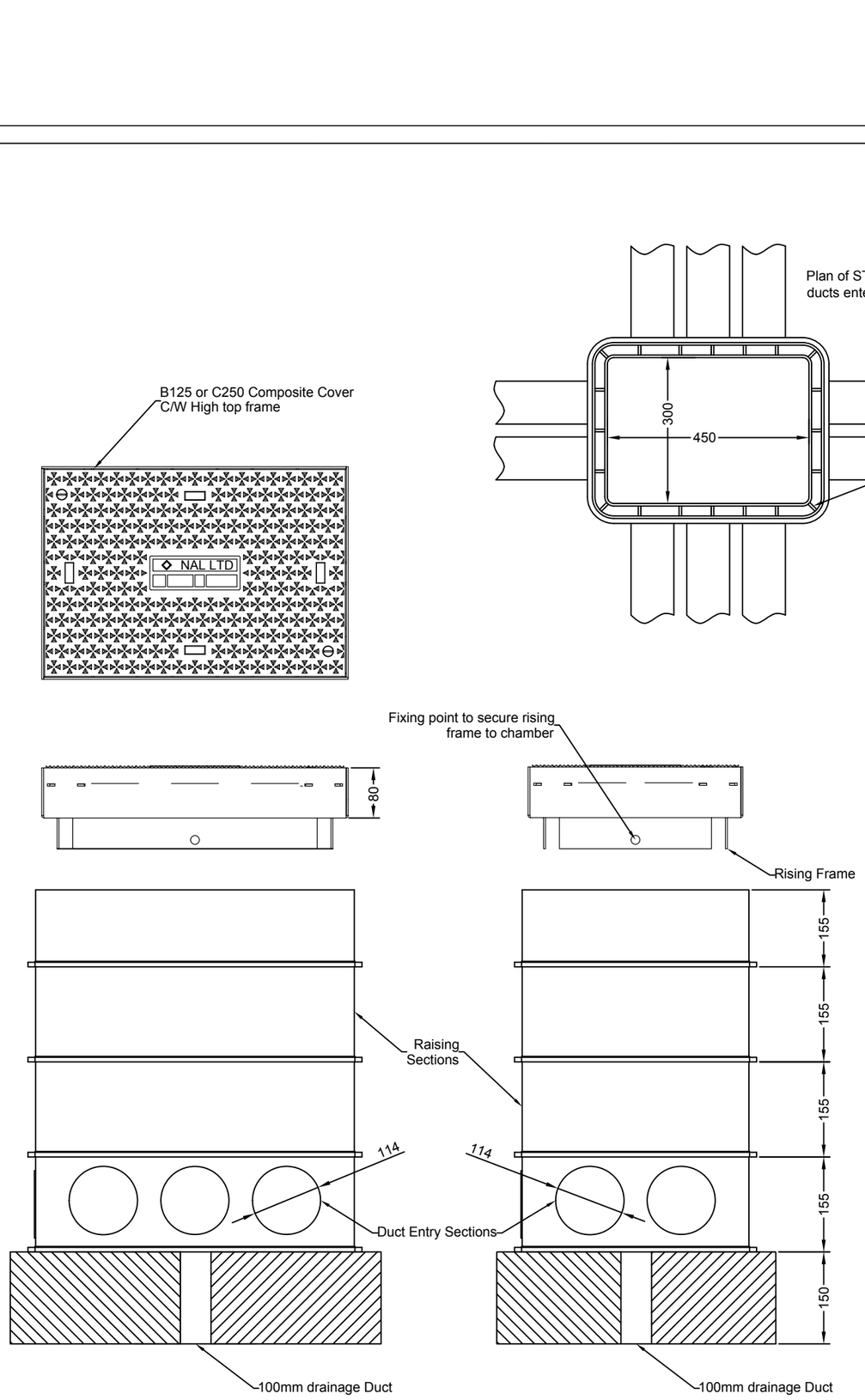
STAKKAbox 300 x 300

REVISION	DATE
004	6/12/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-1

All dimensions in mm

A3





SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 030
E: Sales@nal.ltd.uk
www.nal.ltd.uk

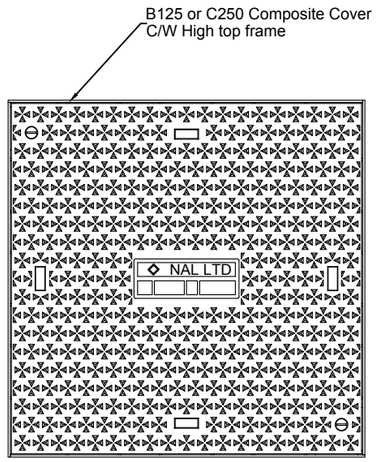
TITLE

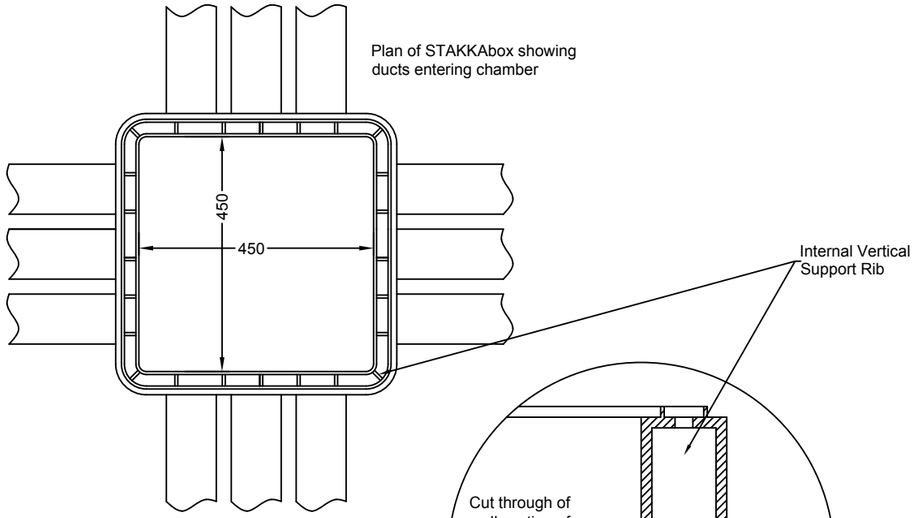
STAKKAbox 450 x 300

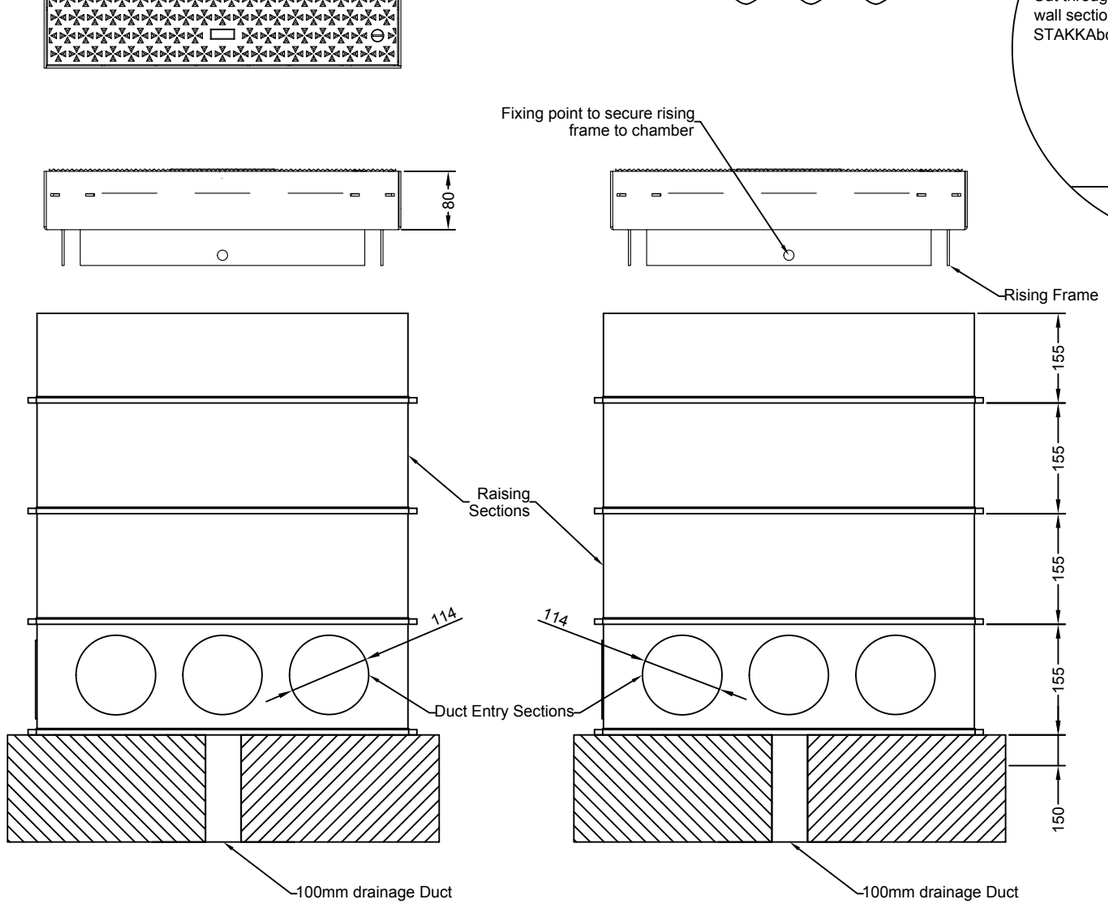
REVISION	DATE
004	6/12/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-2

All dimensions in mm

A3







SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

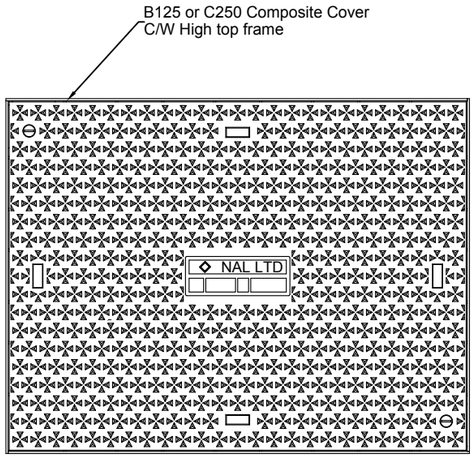
TITLE

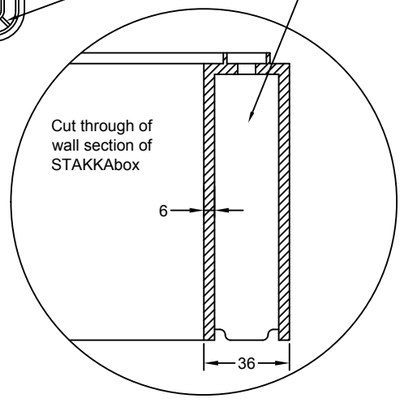
STAKKAbox 450 x 450

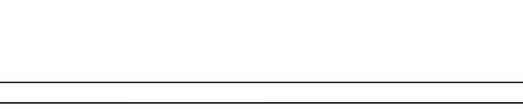
REVISION	DATE
004	6/12/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-3

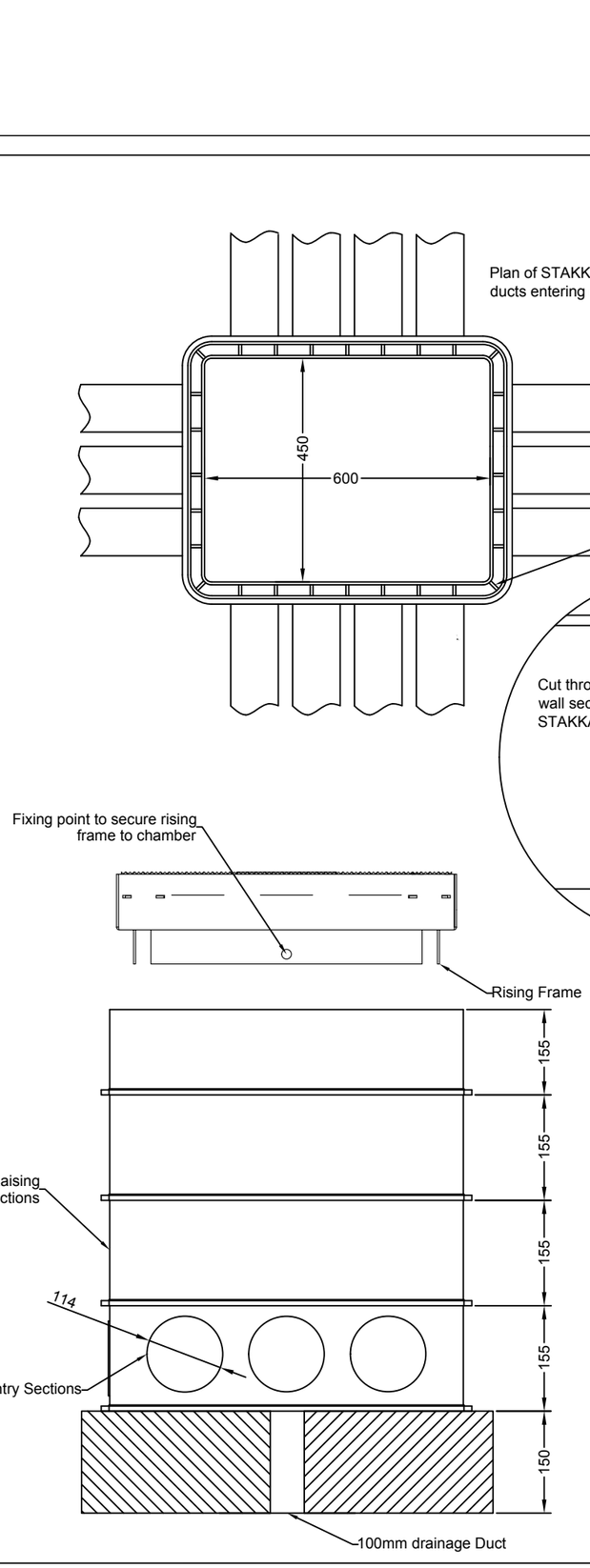
All dimensions in mm

A3









SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

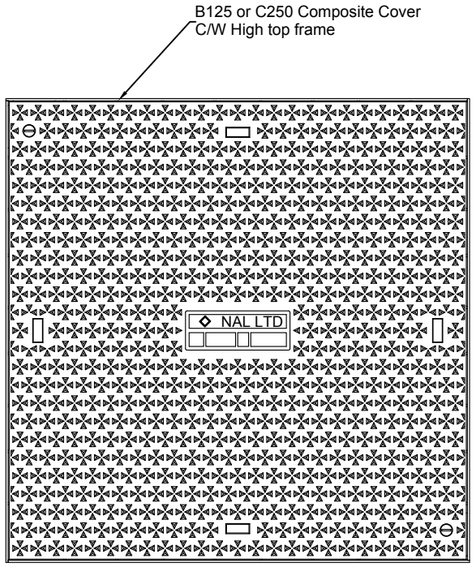
TITLE

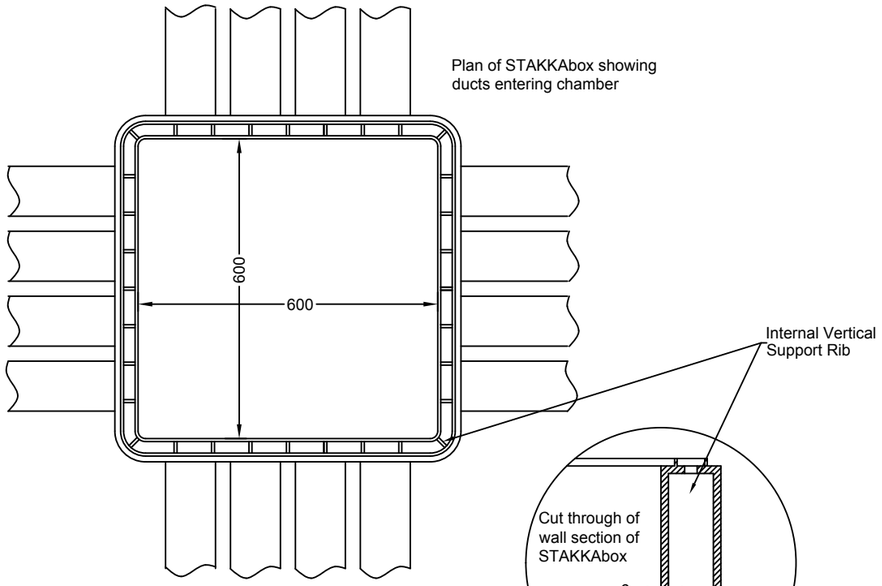
STAKKAbox 600 x 450

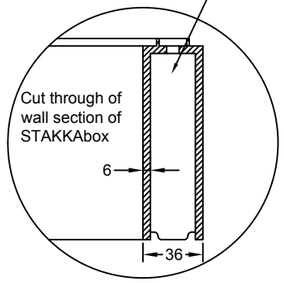
REVISION	DATE
003	26/11/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-4

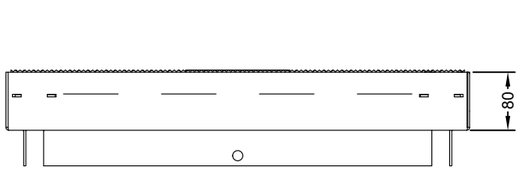
All dimensions in mm

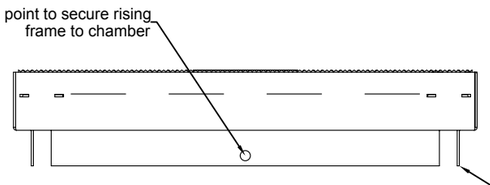
A3

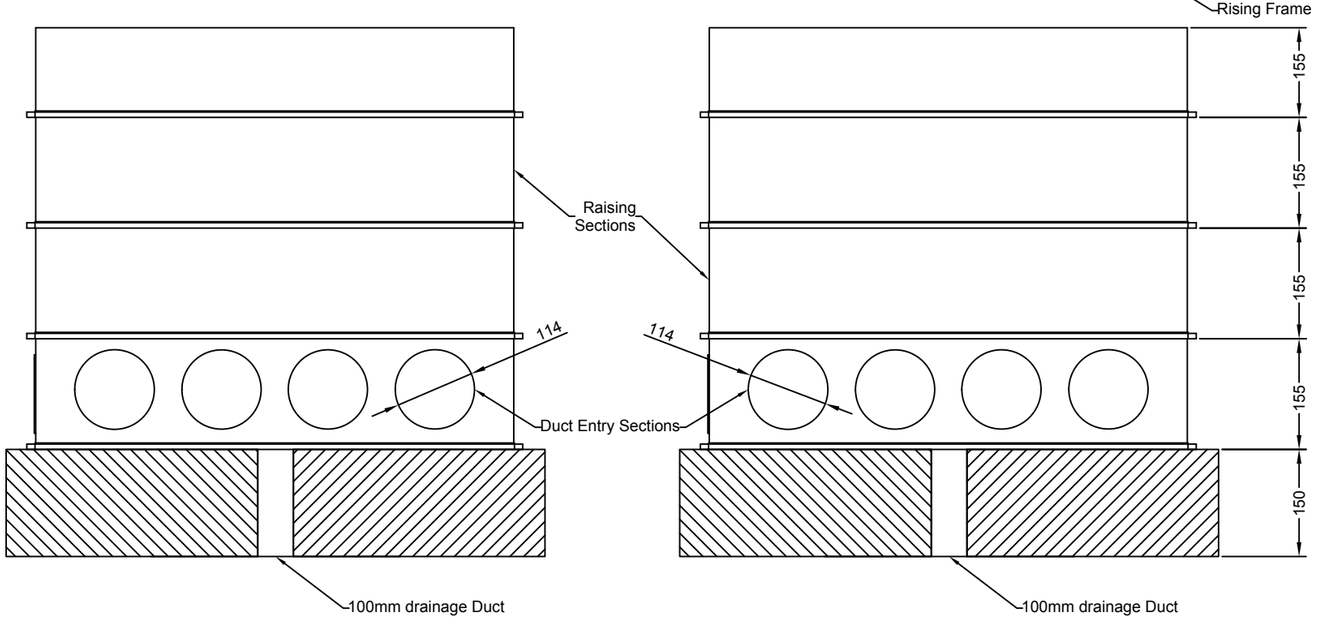












SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

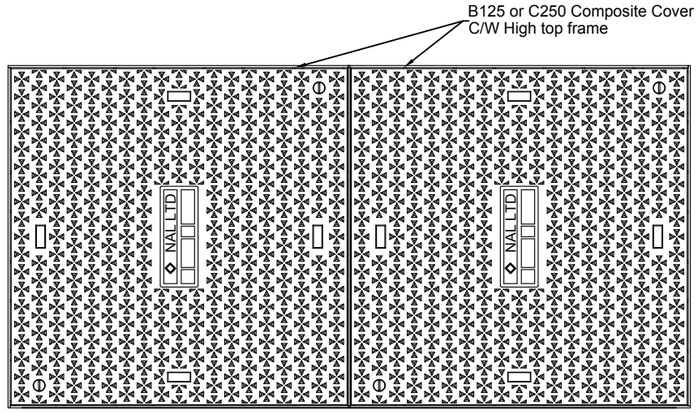
TITLE

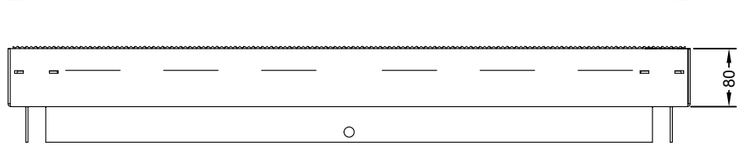
STAKKAbox 600 x 600

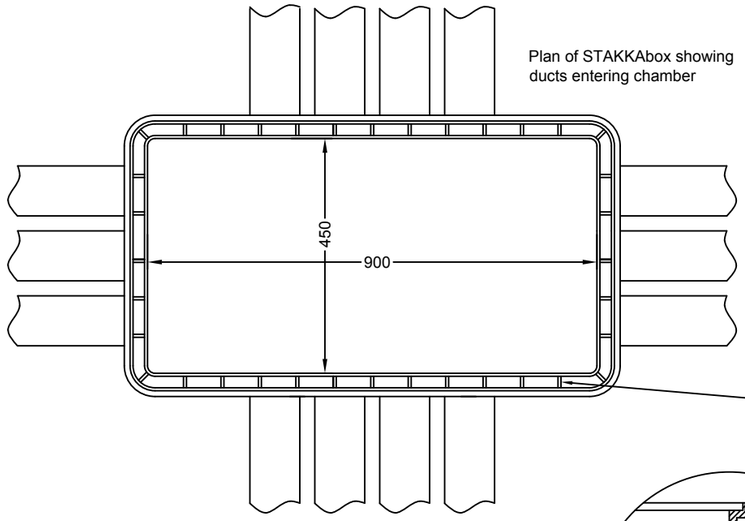
REVISION	DATE
004	6/12/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-5

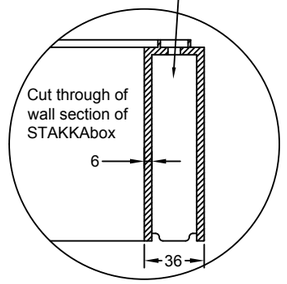
All dimensions in mm

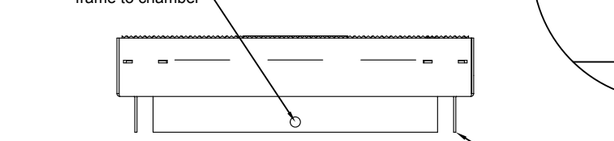
A3

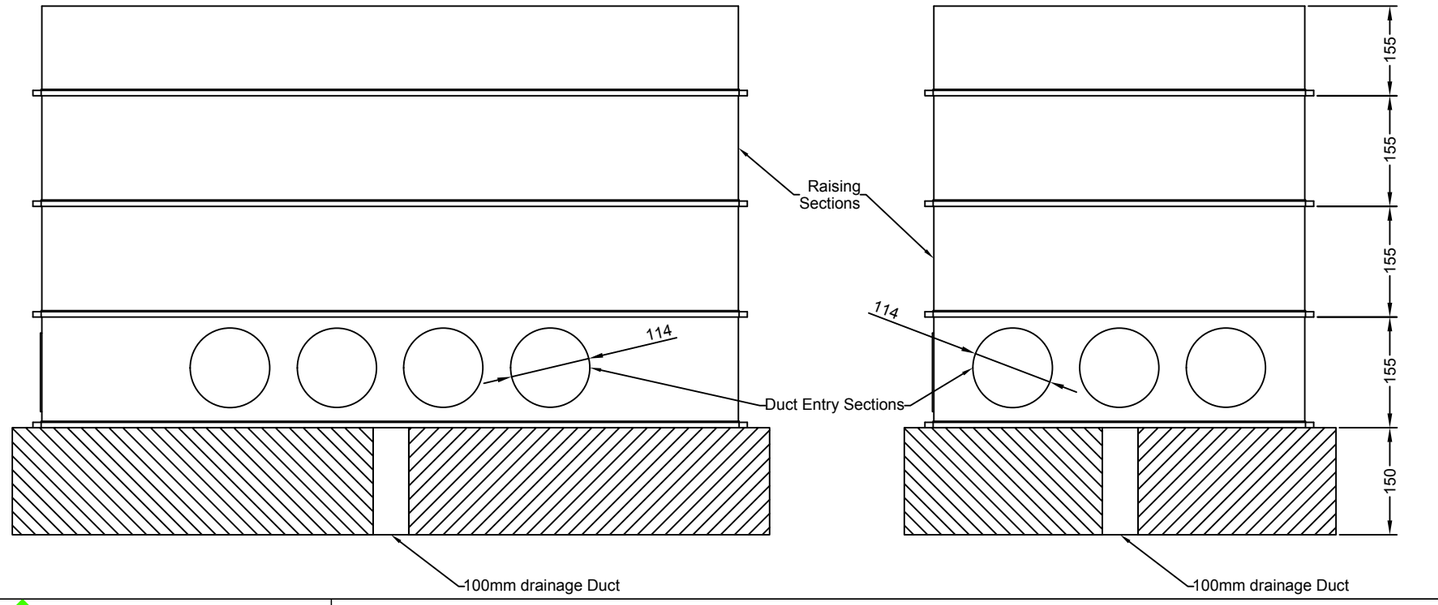












SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

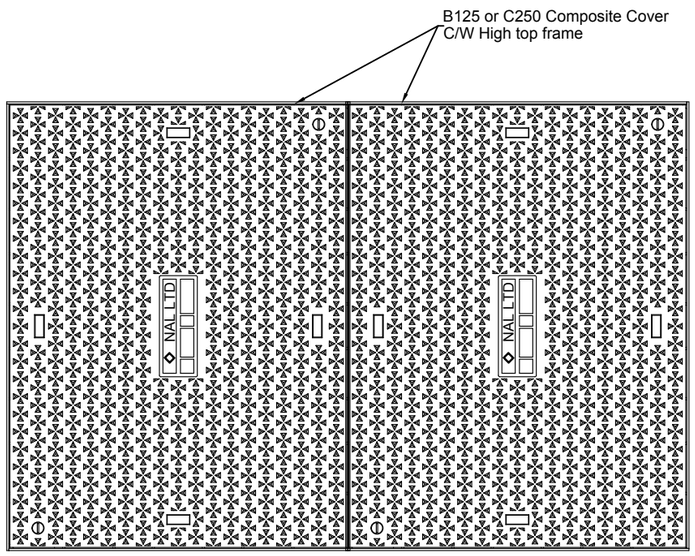
TITLE

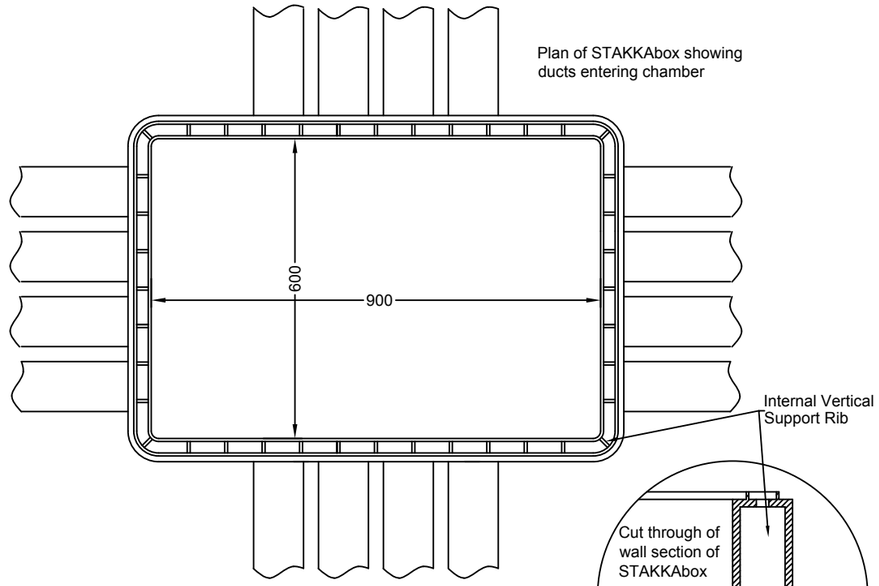
STAKKAbox 900 x 450

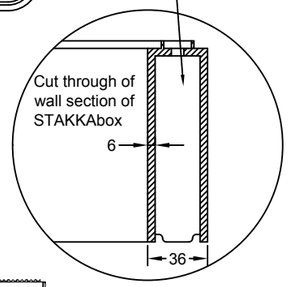
REVISION	DATE
002	6/12/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-6

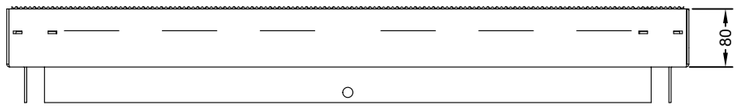
All dimensions in mm

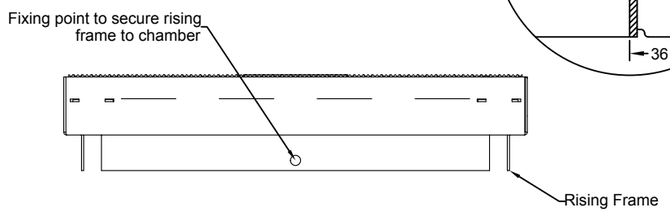
A3

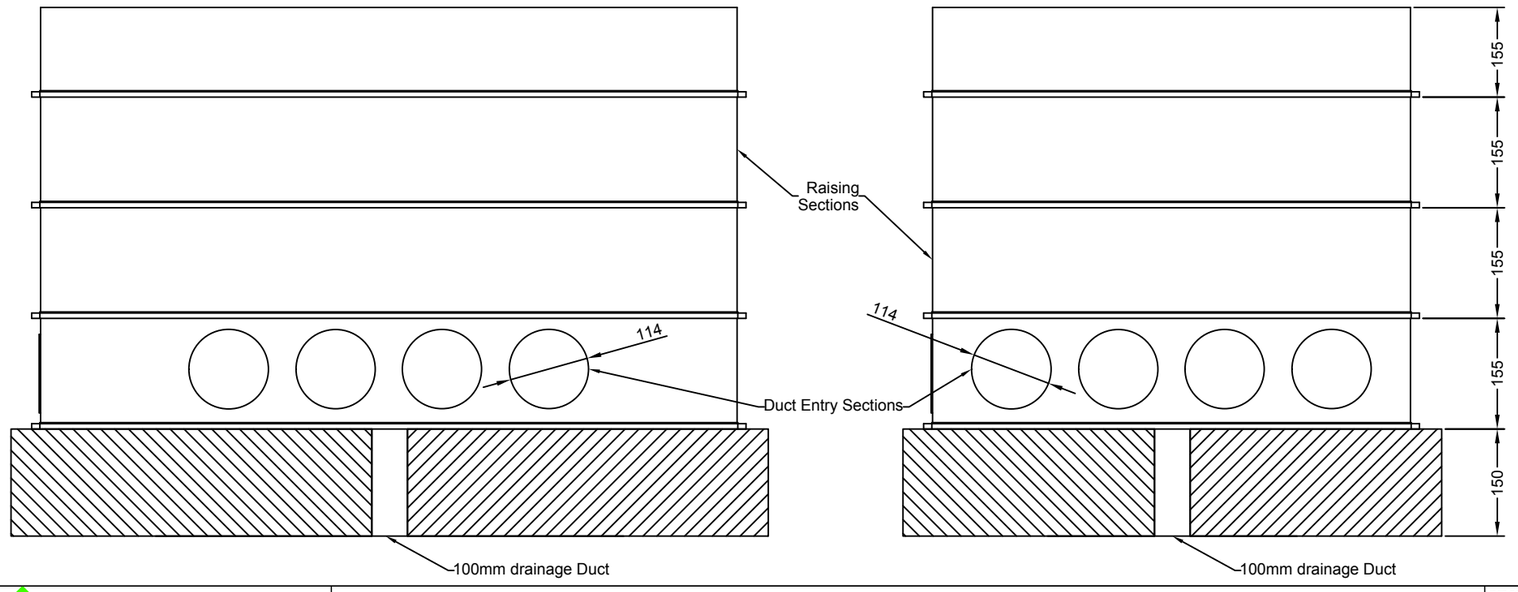












SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

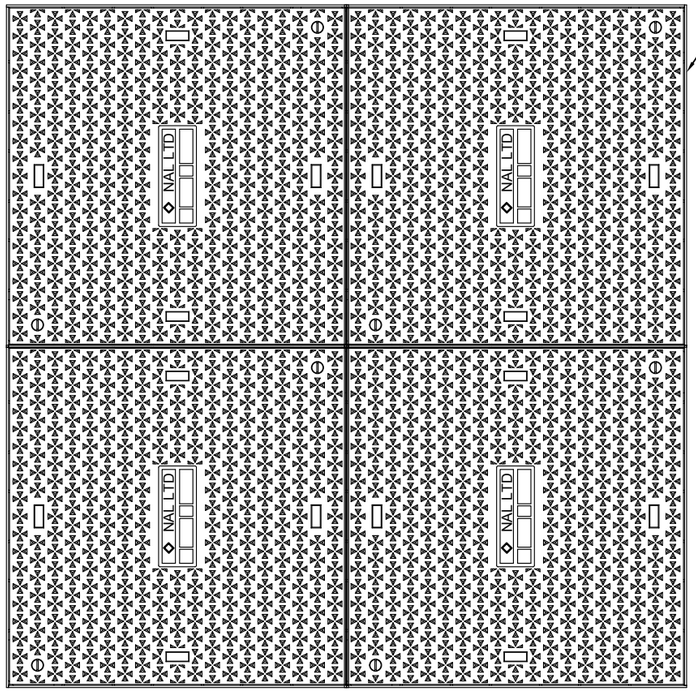
TITLE

STAKKAbox 900 x 600

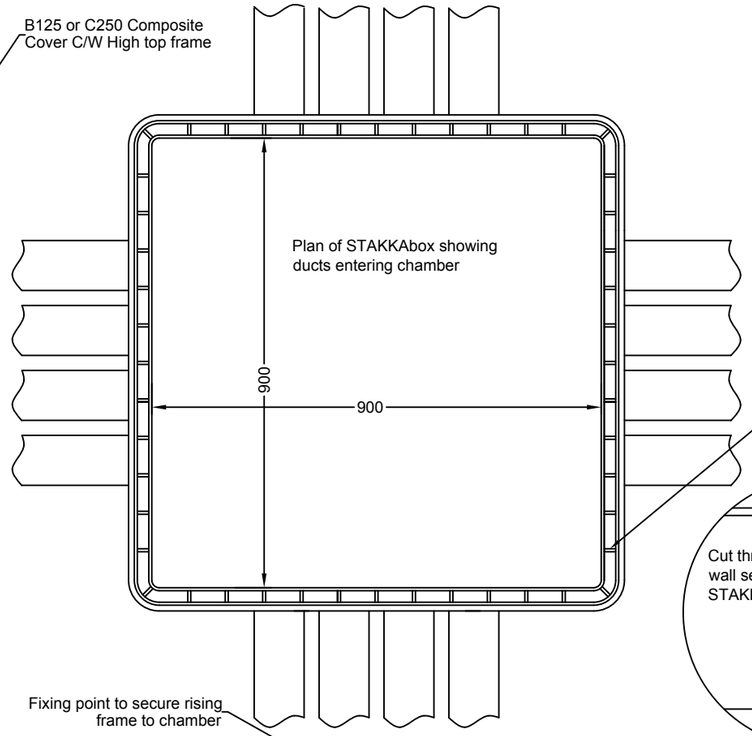
REVISION	DATE
002	6/12/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-7

All dimensions in mm

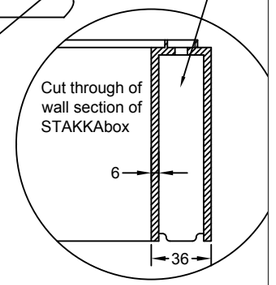
A3



B125 or C250 Composite Cover C/W High top frame

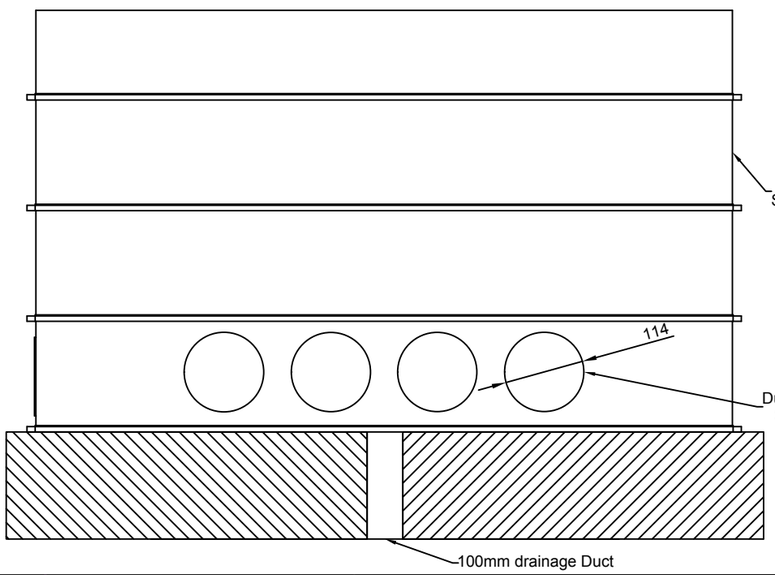


Internal Vertical Support Rib



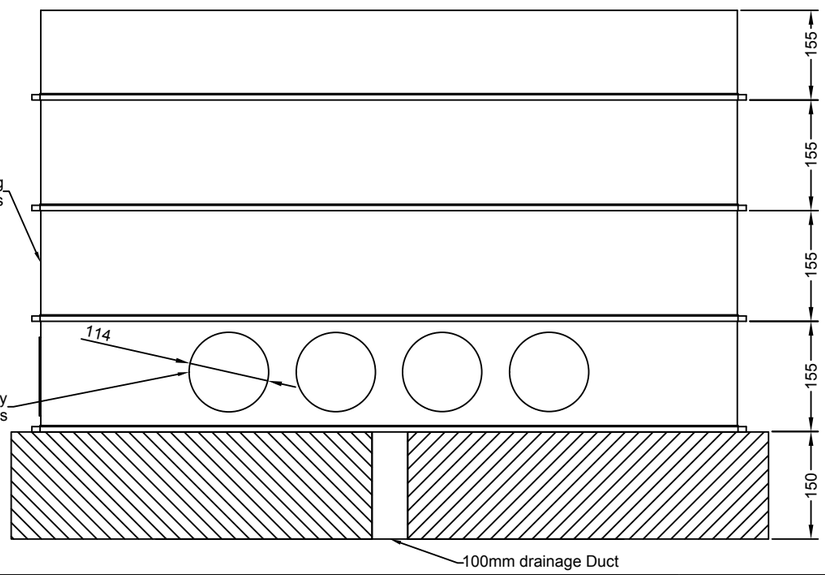
Fixing point to secure rising frame to chamber

Rising Frame



Raising Sections

Duct Entry Sections



100mm drainage Duct

100mm drainage Duct

SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

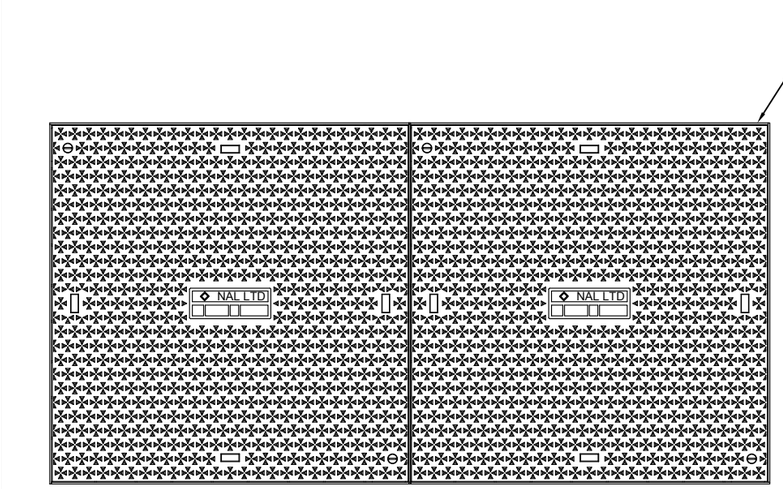
TITLE

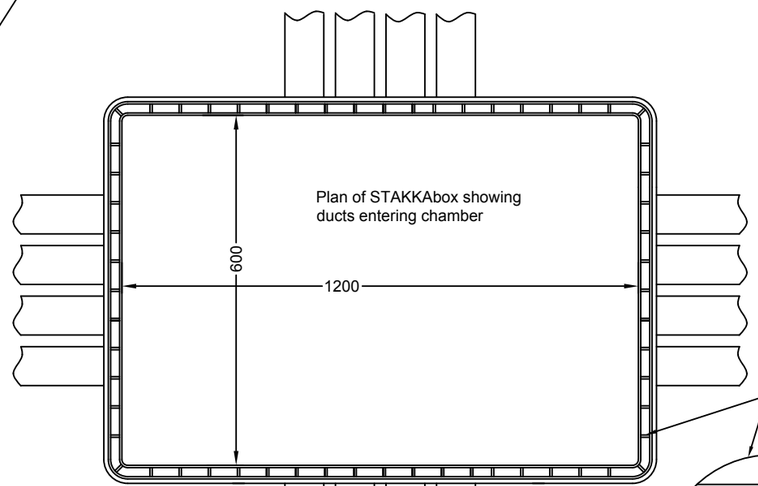
STAKKAbox 900 x 900

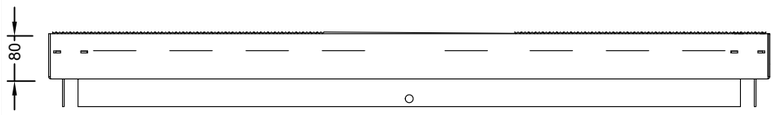
REVISION	DATE
002	6/12/14
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-8

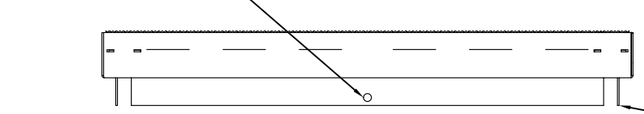
All dimensions in mm

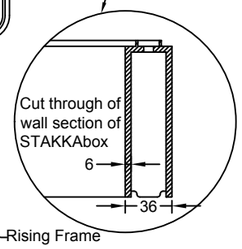
A3

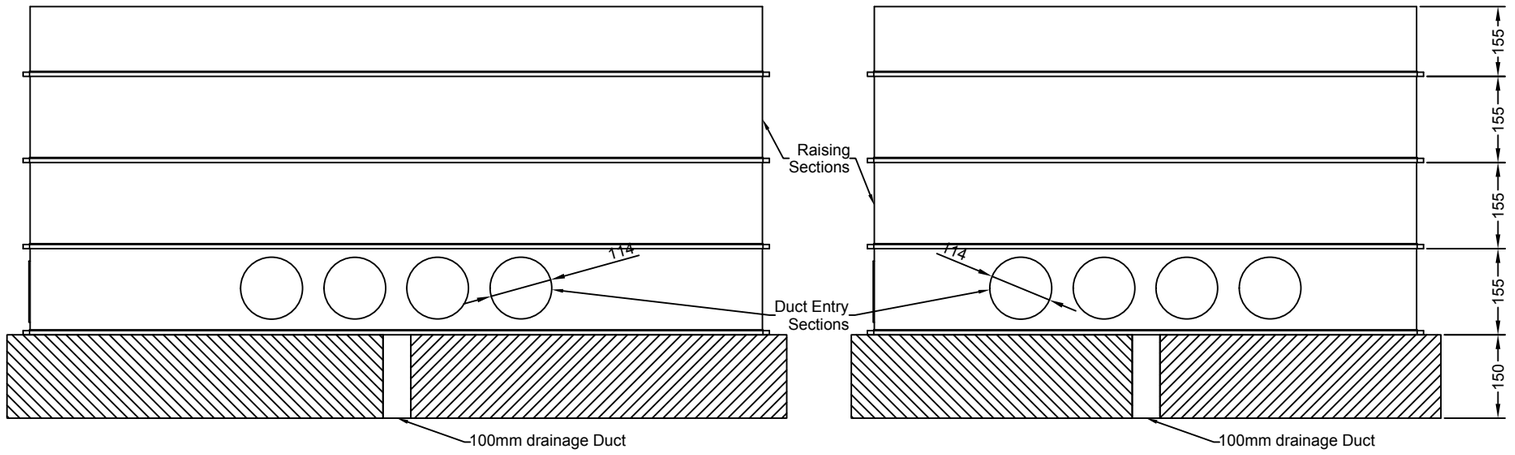












SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

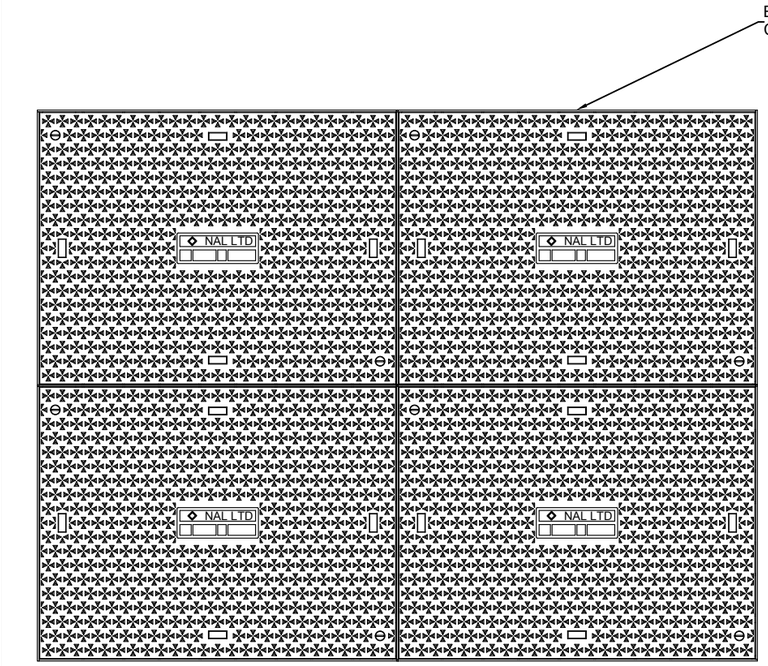
TITLE

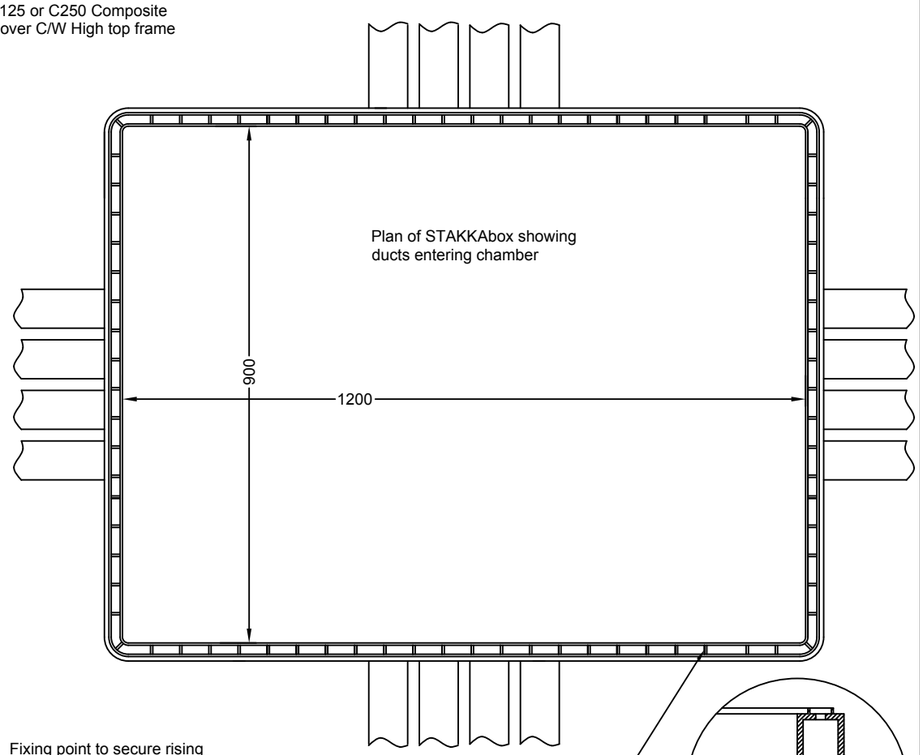
STAKKAbox 1200 x 600

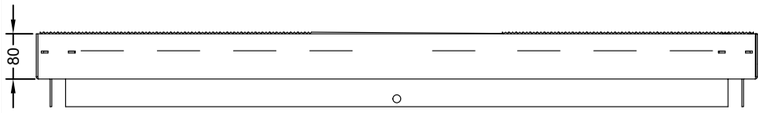
REVISION	DATE
001	26/06/17
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-9

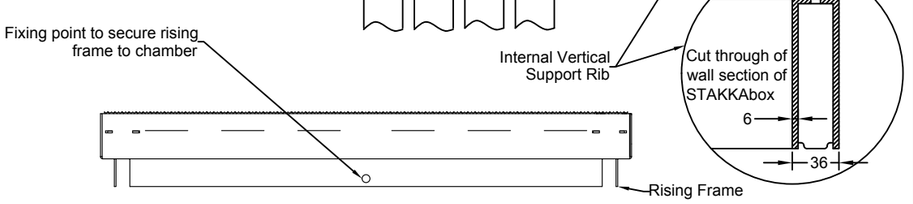
All dimensions in mm

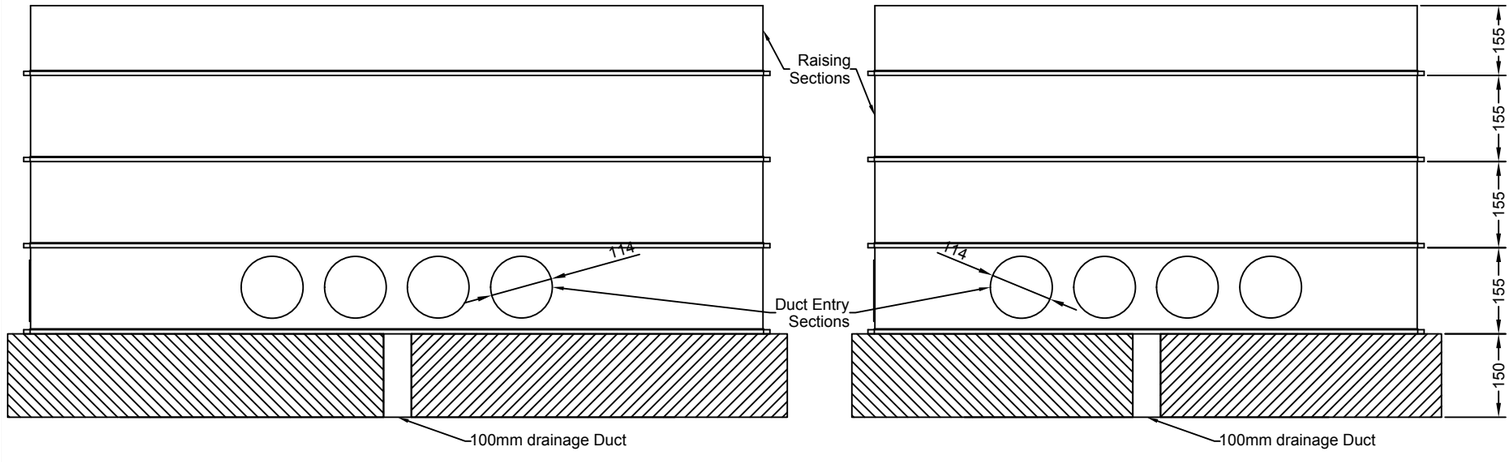
A3











SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 630
E: Sales@nal.ltd.uk
www.nal.ltd.uk

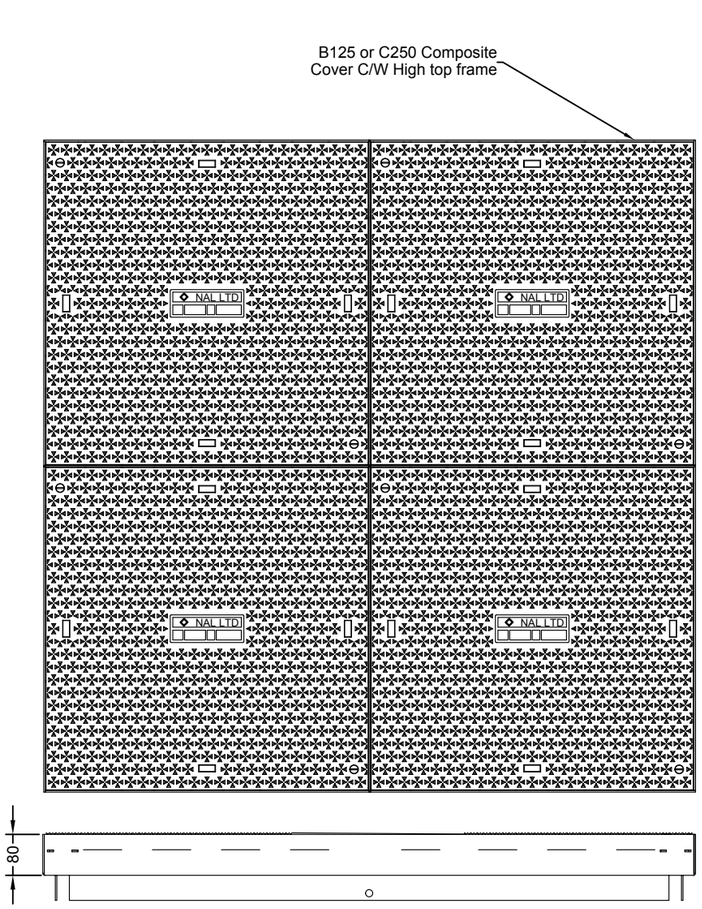
TITLE

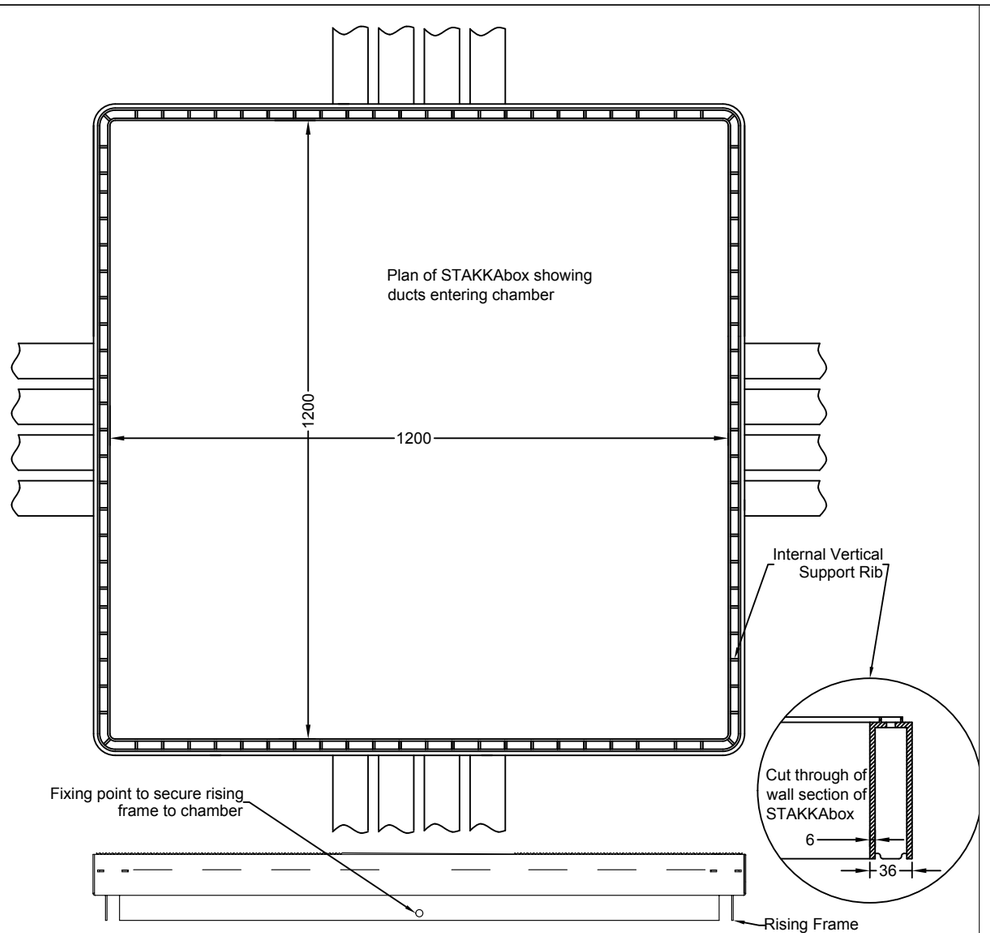
STAKKAbox 1200 x 900

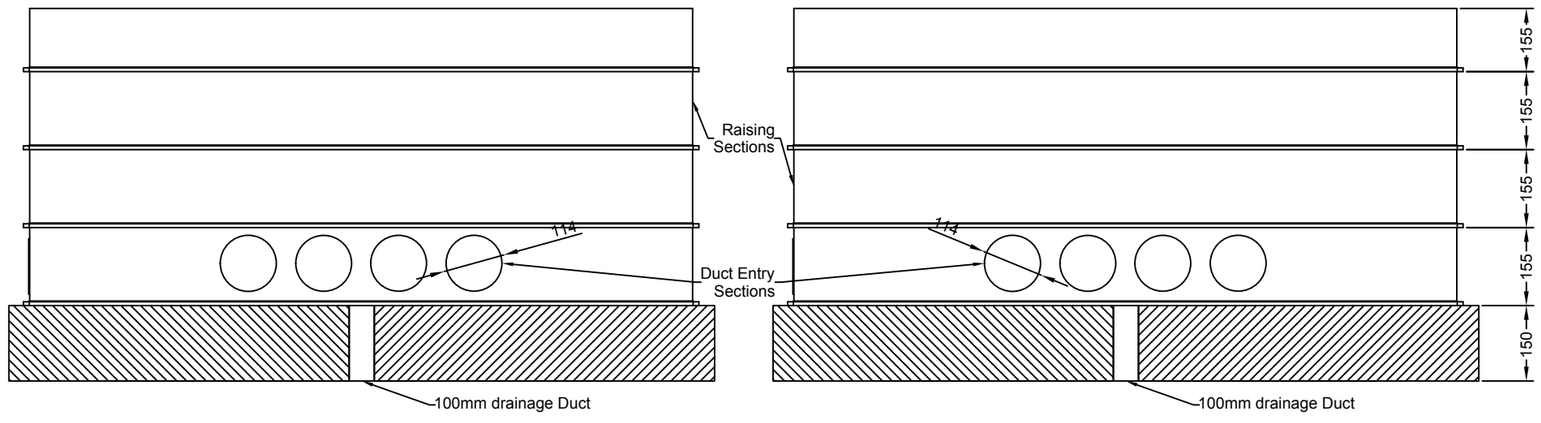
REVISION	DATE
001	26/06/17
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-10

All dimensions in mm

A3







SPECIFICATION FOR COMPOSITE COVERS & FRAMES

Composite covers must be manufactured from Sheet Moulding Compound (SMC)
Composite covers must be load tested to EN124 with a B125 (12.5 tonne) OR C250 (25 tonne) loading.

Composite covers must have a minimum skid resistance value (SRV) of 80

Composite covers must be supplied with lockable steel frames which are hot dipped galvanised to BS EN ISO 1461:2009.

Galvanised steel frames must have the ability to be adjusted in height and angle within the chamber.

Frames must have a minimum up stand of 80mm to enable pavement materials to be installed directly against the frame. Frames must not have an external flange.

Frames must have a fixing mechanism which enables them to be mechanically secured to the access chamber.

Composite covers and frames to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

SPECIFICATION FOR TWIN WALL ACCESS CHAMBERS

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.

NAL
Weir Lane, Worcester, Worcestershire, WR2 4AY
T: 01905 427 100
F: 01905 427 600
E: Sales@nal.ltd.uk
www.nal.ltd.uk

TITLE

STAKKAbox 1200 x 1200

REVISION	DATE
001	26/06/17
SCALE	DRAWING NUMBER
NTS	NAL/SD/8100-11