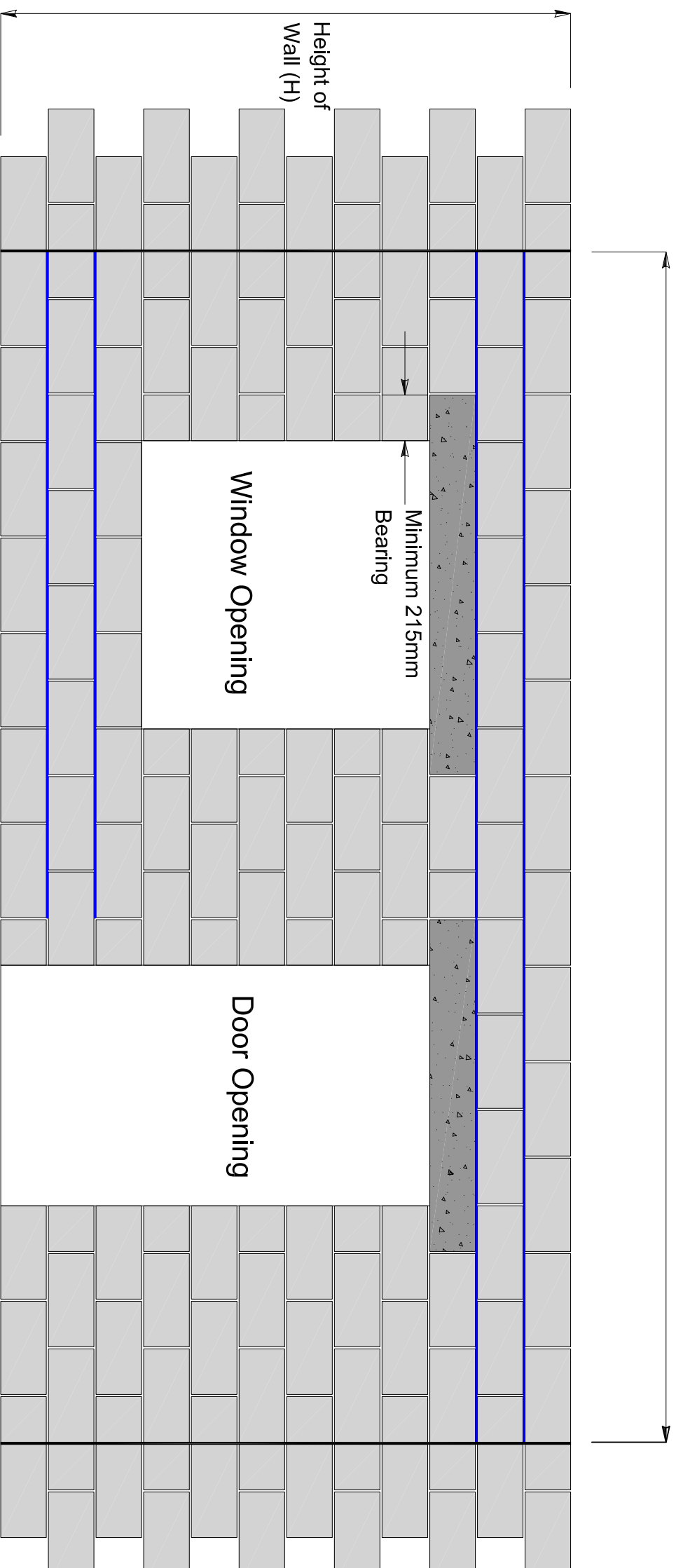


Maximum Length 6m centres of Movement Joints or
Maximum 2 times the Height of the wall (2xH)



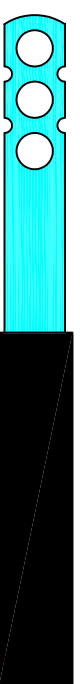
Plan of Movement Joint



Movement Joint filled with Compressible Filler
with Slip Tie across the Joint at 450mm
vertical centres

Minimum 900mm
passed openings

Represents Brick
Reinforcement



Detail of Slip Tie and Slip Sleeve
for use with Movement Joints

Notes:

Movements Joints to be positioned with the walls at Maximum 6mtr centres or 2 times the Height whichever is the shorter.

Fill Movement Joint with Compressible Filler and Mastic external face of joint.

Install Slip Ties across the Movement Joint at 450mm vertical centres. Ensure a debonding sleeve is added to one side of the tie.

Brick Reinforcement is to be installed in the two courses above and below openings and to extend a Minimum 900mm passed the opening reveal.

Concrete Lintels to have a Minimum 215mm bearing to each end.

Drawing Title:
GENERAL DETAILS.
(Blockwork Movement Joints & Reinforcement)

Revisions:
P1 Preliminary Issue - 30 Nov 2006
C1 Construction Issue - Jan 2007



Project:
Bulgaria

Drawn By:
Nigel Morrison

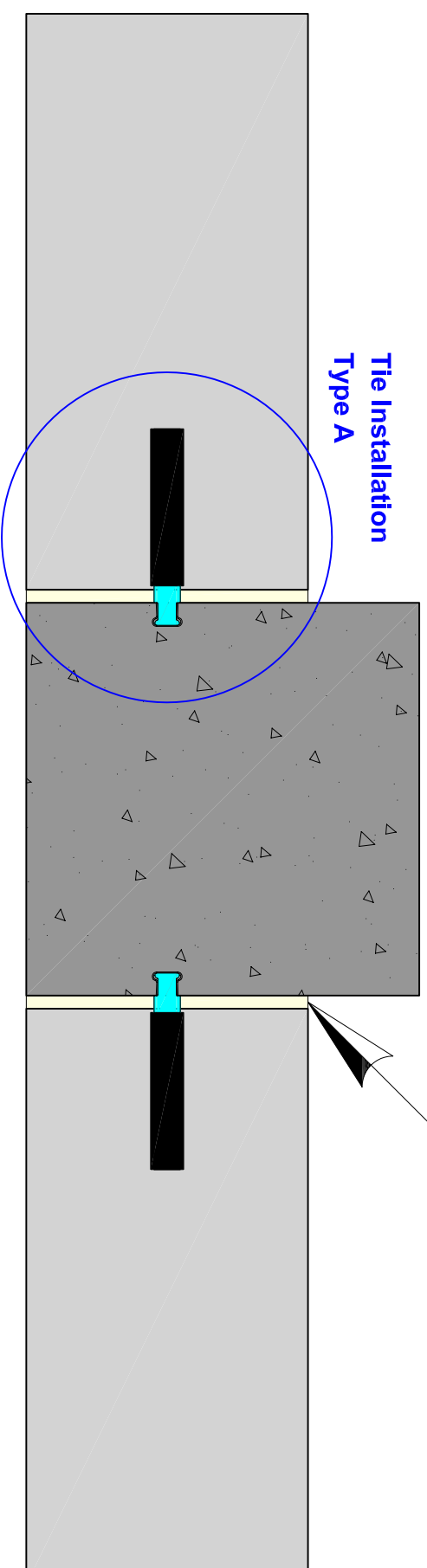
Scale:
NTS

Drawing No:
NM/BUL/6001

Date:
Jan 2007

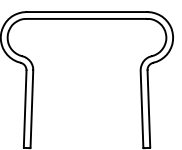
Revision:
C1

Compressible Filler to
Column Junction

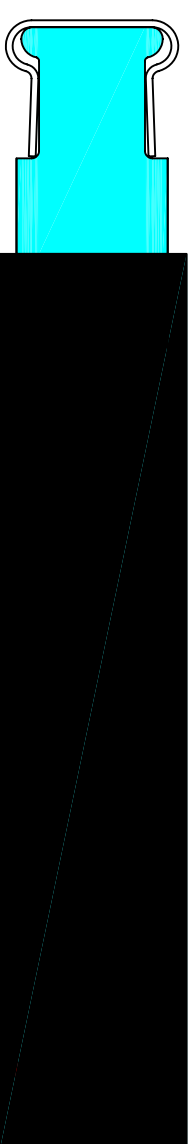


Tie Installation
Type A

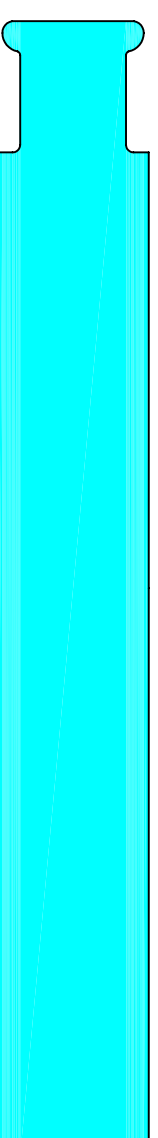
Tie Installation Type A



Cast In Stainless Steel Channel



Stainless Steel Restraint Tie for use with Cast In Channel. Shown with
Slip Sleeve



Stainless Steel Restraint Tie

Notes:

Movements Joints to be positioned each side of a Concrete Column.

Fill Movement Joint with Compressible Filler and Mastic external face of joint.

Install Restraint Ties across the Movement Joint at 450mm vertical centres. Ensure a Slip Sleeve is added to the end of the tie.

Drawing Title:

GENERAL DETAILS.
(Masonry Restraint To Concrete Columns)

Revisions:

P1 Preliminary Issue - 1 Dec 2006
C1 Construction Issue - Jan 2007



Project:

Bulgaria

Drawn By:

Nigel Morrison

Scale:

NTS

Date:

Jan 2007

Drawing No:

NM/BUL/6002

Revision:

C1

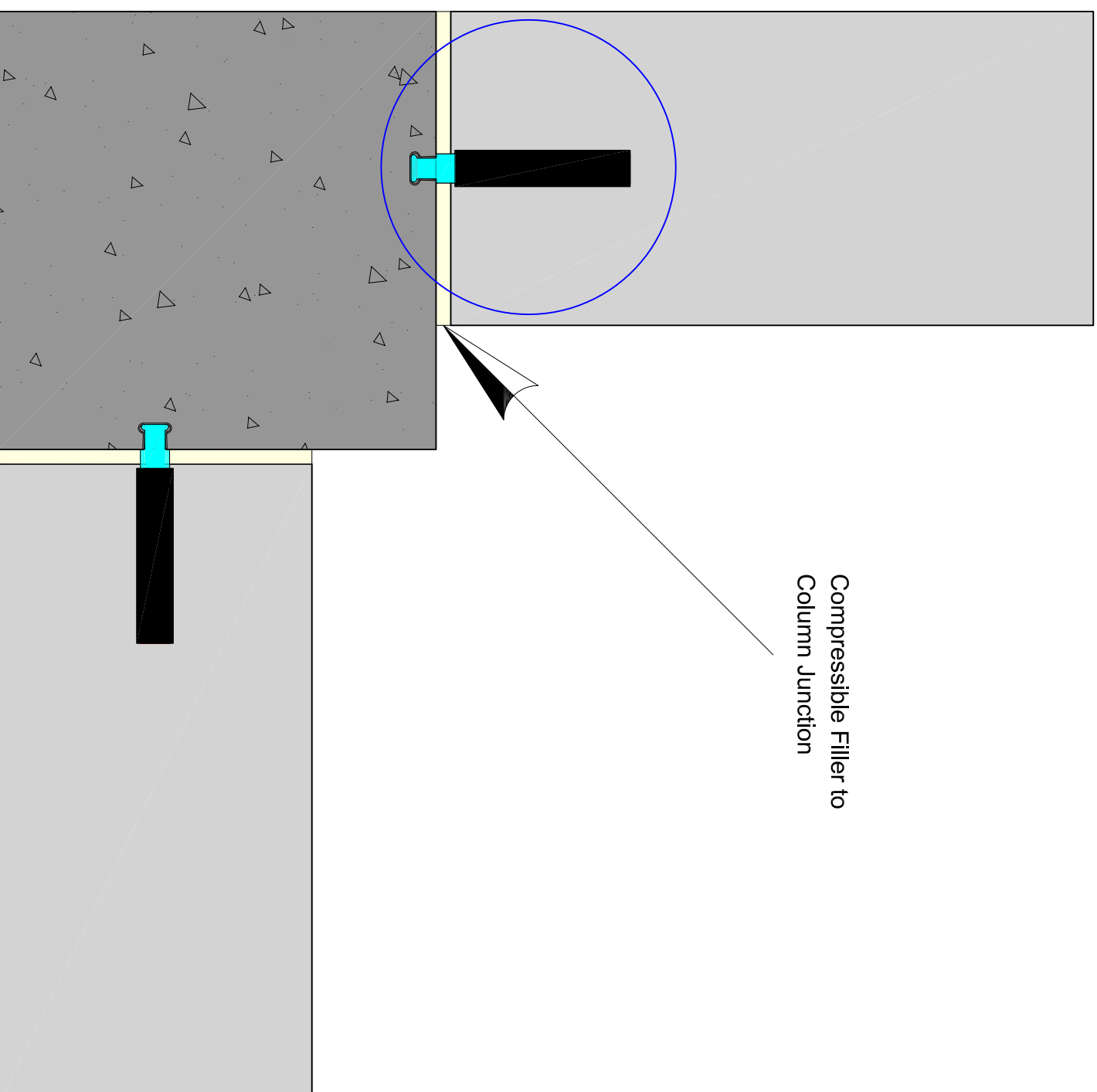
Notes:

Movements Joints to be positioned each side of a Concrete Column.

Fill Movement Joint with Compressible Filler and Mastic external face of joint.

Install Restraint Ties across the Movement Joint at 450mm vertical centres. Ensure a Slip Sleeve is added to the end of the tie.

**Tie Installation
Type A (See
Drawing
NM/BUL/6002)**



Drawing Title:

GENERAL DETAILS.
(Masonry Restraint to Concrete Columns)

Revisions:

P1 Preliminary Issue - 1 Dec 2006
C1 Construction Issue - Jan 2007



Project:

Bulgaria

Drawn By:

Nigel Morrison

Scale:

NTS

Date:

Jan 2007

Drawing No:

NM/BUL/6003

Revision:

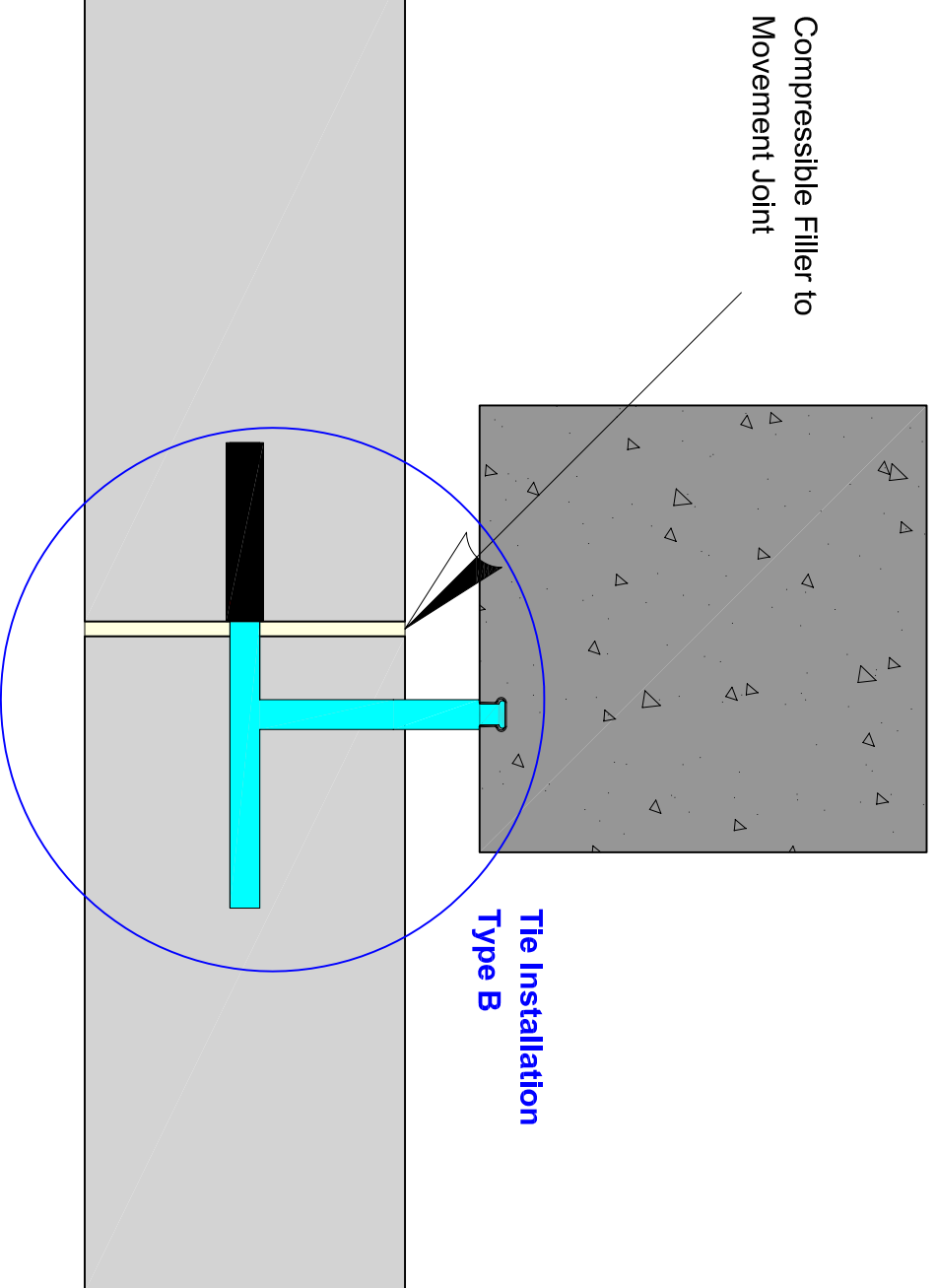
C1

Notes:

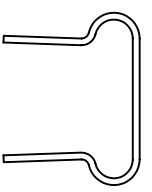
Movements Joints to be positioned at centre of a Concrete Column.

Fill Movement Joint with Compressible Filler and Mastic external face of joint.

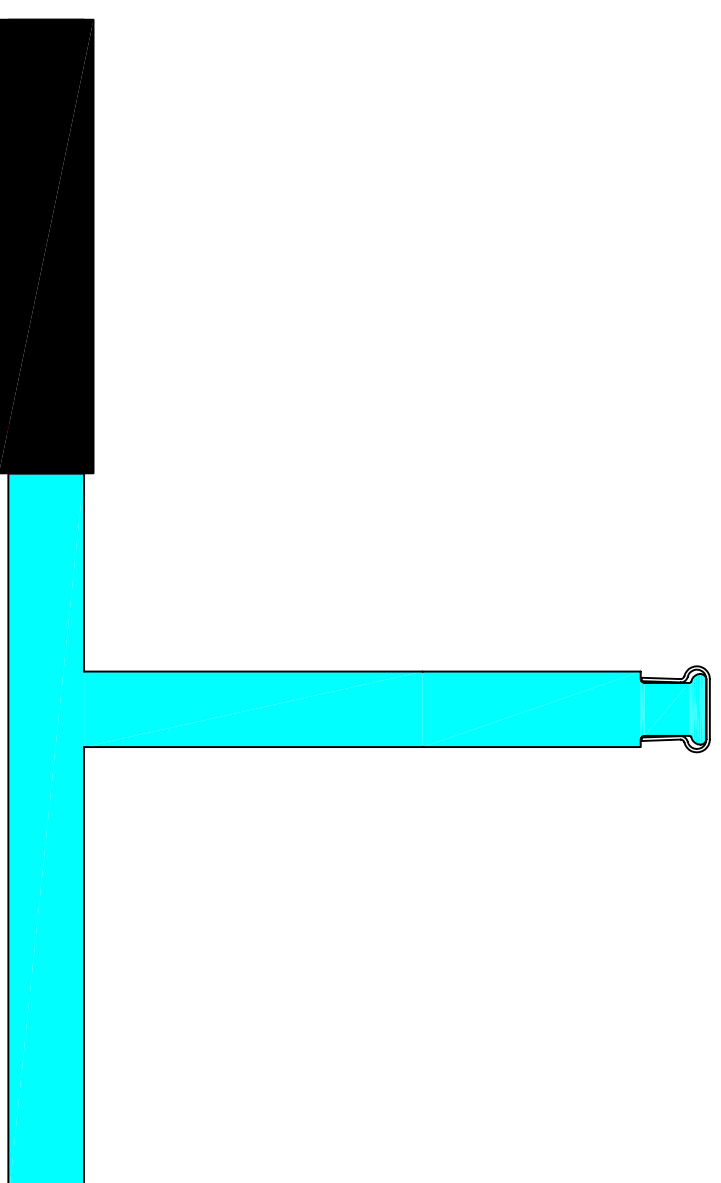
Install Restraint Ties across the Movement Joint at 450mm vertical centres. Ensure a Slip Sleeve is added to the end of the tie.



Tie Installation Type B



Cast In Stainless Steel Channel



Stainless Steel Restraint Tie for use with Cast In Channel. Shown with Slip Sleeve

Drawing Title:

GENERAL DETAILS.
(Masonry Restraint to Concrete Columns)

Revisions:

P1 Preliminary Issue - 1 Dec 2006
C1 Construction Issue - Jan 2007



Project:

Bulgaria

Drawn By:

Nigel Morrison

Scale:

NTS

Date:

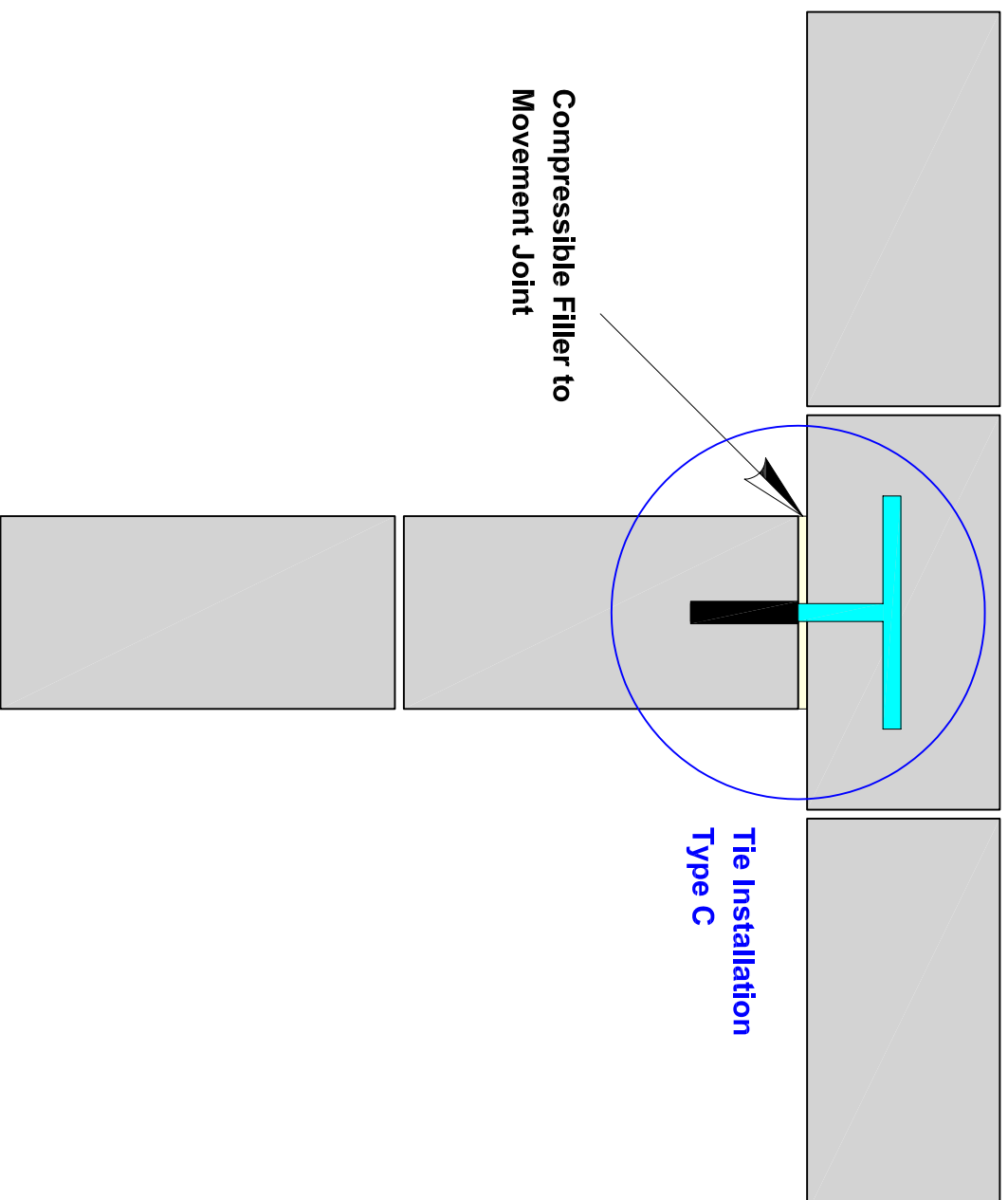
Jan 2007

Drawing No:

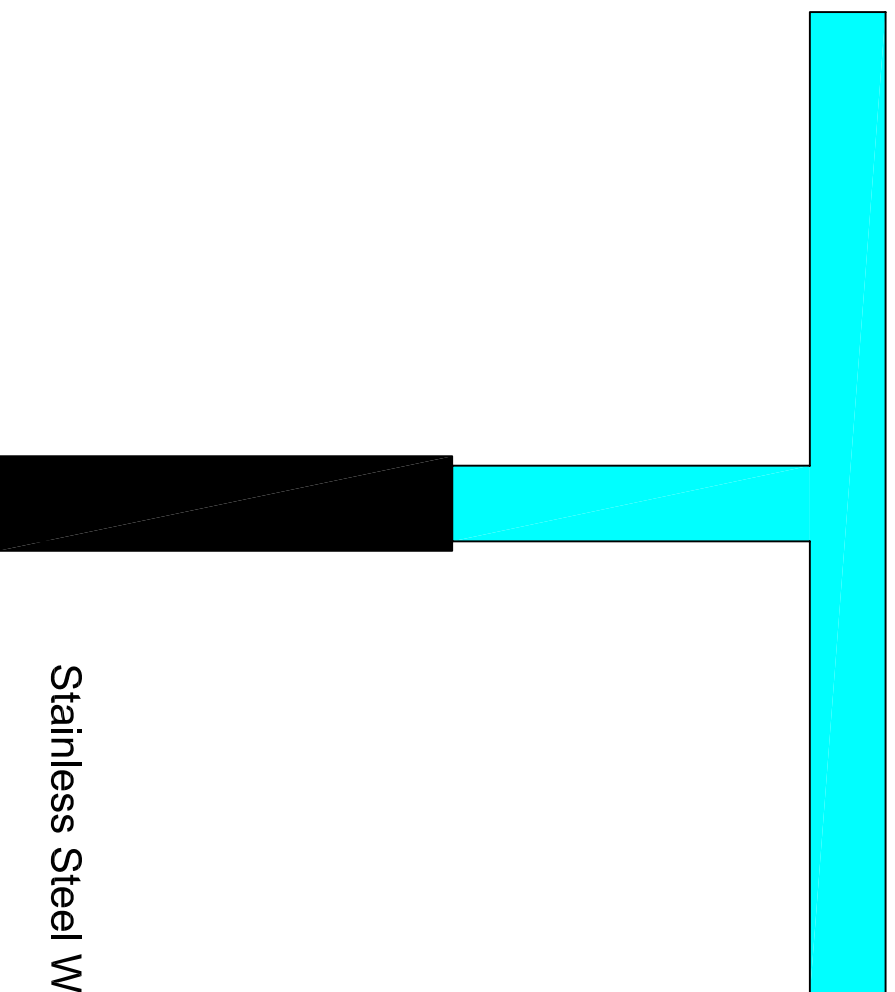
NM/BUL/6004

Revision:

C1



Tie Installation Type C



Stainless Steel Wall Tie for use at Wall abutments. Shown with Slip Sleeve

Notes:

Movements Joints to be positioned each wall abutment.

Fill Movement Joint with Compressible Filler and Mastic external face of joint.

Install Restraint Ties across the Movement Joint at 450mm vertical centres. Ensure a Slip Sleeve is added to the end of the tie.

Drawing Title:

GENERAL DETAILS.
(Masonry Ties at Wall Abutments)

Revisions:

P1 Preliminary Issue - 1 Dec 2006
C1 Construction Issue - Jan 2007



Project:

Bulgaria

Drawn By:

Nigel Morrison

Scale:

NTS

Date:

Jan 2007

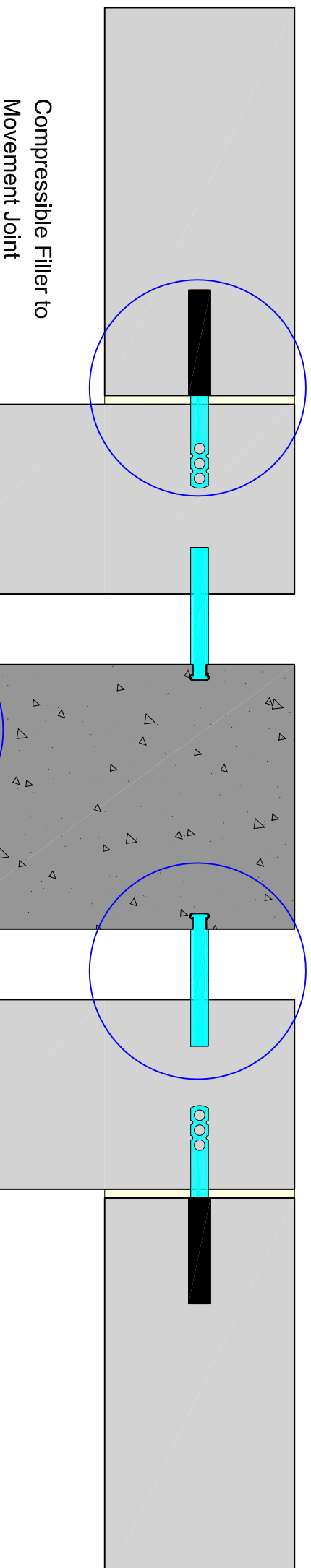
Drawing No:

NM/BUL/6005

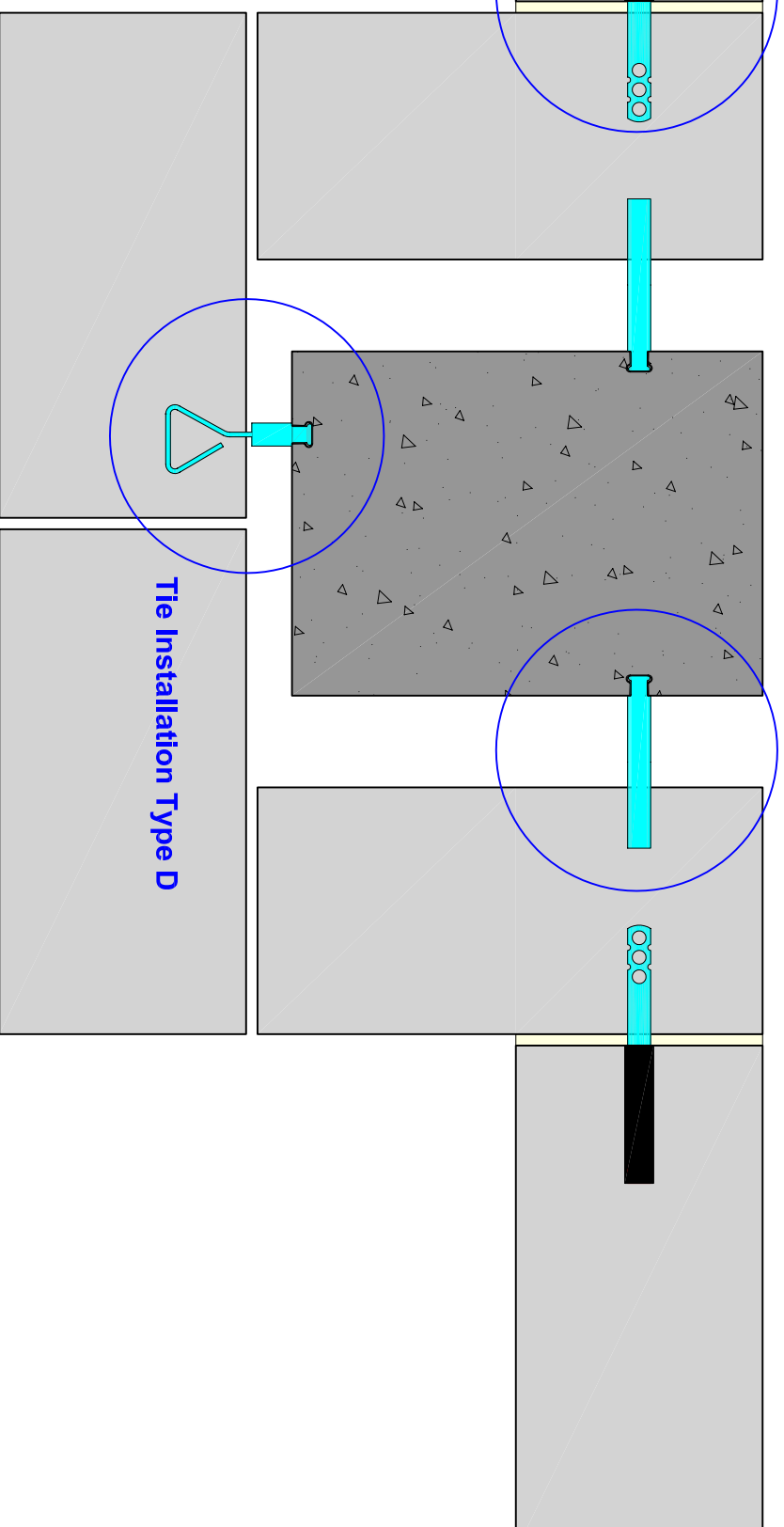
Revision:

C1

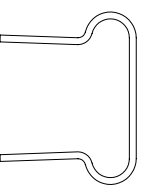
**Slip Tie Installation as
Drawing NM/BUL/6001**



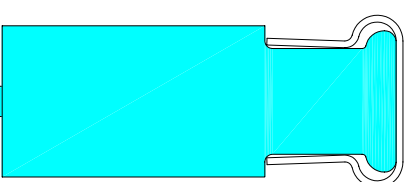
**Tie Installation Type A
without the Slip Sleeve**



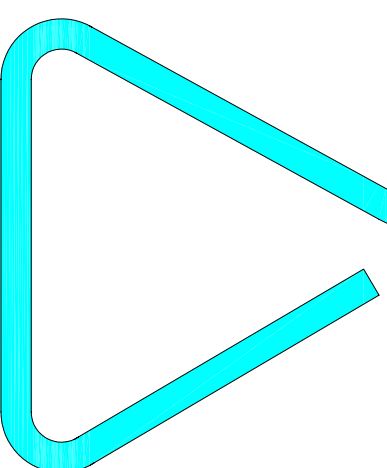
Tie Installation Type D



Cast In Stainless Steel Channel



Stainless Steel Wall Wire Tie for use at
Concrete Column and Pier abutments



Notes:

Movements Joints to be positioned each side of the pier to the Concrete Column.

Fill Movement Joint with Compressible Filler and Mastic external face of joint.

Install Slip Ties every 450mm vertical centres with Slip Sleeve across Movement Joint.

Install Type A Restraint Ties to the Concrete Column at 450mm vertical centres (at alternate courses to the Slip Ties).

Install Type D Restraint Tie at 450mm vertical centres.

Drawing Title:

GENERAL DETAILS.
(Masonry Restraint to Concrete Columns)

Revisions:

P1 Preliminary Issue - 1 Dec 2006
C1 Construction Issue - Jan 2007



Project:

Bulgaria

Drawn By:

Nigel Morrison

Scale:

NTS

Drawing No:

NM/BUL/6006

Date:

Jan 2007

Revision:

C1