

WATERPROOFING

Standard Application Details

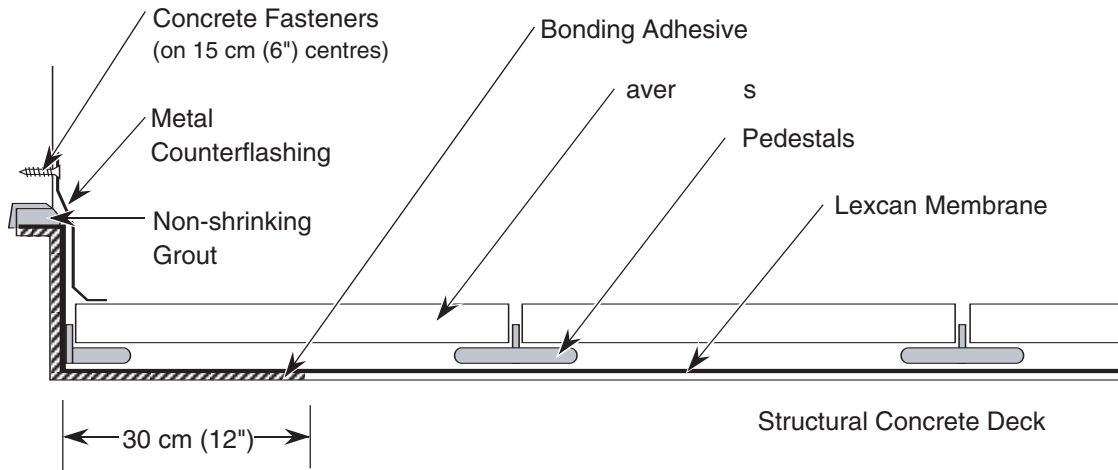
NOTE: Lexcan defines “waterproofing” applications as those which have a concrete, wooden or other man made substrate (regardless of whether water or another chemical is contained). Ponds or lagoons, on the other hand, are liner applications intended for direct application over soil. Lexcan has a separate set of liner details for pond applications. To obtain a sample specification and details for a pond liner, contact your Lexcan representative.

Waterproofing Details

9.2	Deck with Pedestal supported Pavers	<i>L-W-001</i>
9.2	Deck with Concrete Wearing Surface	<i>L-W-011</i>
9.3	Water Cut-Off Grids (Under loose laid membrane)	<i>L-W-012</i>
9.3	Deck with Asphalt Wearing Surface	<i>L-W-015</i>
9.4	Tank Wall Termination A - Term. Bar	<i>L-W-111</i>
9.4	Tank Wall Termination B - Reglet	<i>L-W-112</i>
9.5	Tank Wall Termination C - Coping	<i>L-W-115</i>
9.5	Membrane Splice at Horizontal / Vertical Juncture	<i>L-W-120</i>
9.6	Below Grade Waterproofing	<i>L-W-301</i>

General Fabrication Details

9.6	Adhesive Seam	<i>L-W-501</i>
9.7	Heat-welded Seam	<i>L-W-505</i>
9.7	Mechanically Fastened Heat Welded Seam	<i>L-W-506</i>
9.8	Field Fabricated Inside Corner	<i>L-W-511</i>
9.8	Field Fabricated Outside Corner	<i>L-W-512</i>
9.9	Expansion Joint	<i>L-W-515</i>
9.9	Drain Connection	<i>L-W-521</i>
9.10	Pipe Protrusion	<i>L-W-522</i>
9.10	Irregularly Shaped Protrusion	<i>L-W-523</i>
9.11	Sleeper	<i>L-W-531</i>



Comment:

- Pedestals must not rest directly on uncured membrane flashing. Cover flashing with Lexcan Protection Mat.
- Concrete deck must have a smooth steel trowel finish free of any cure/sealer compounds.



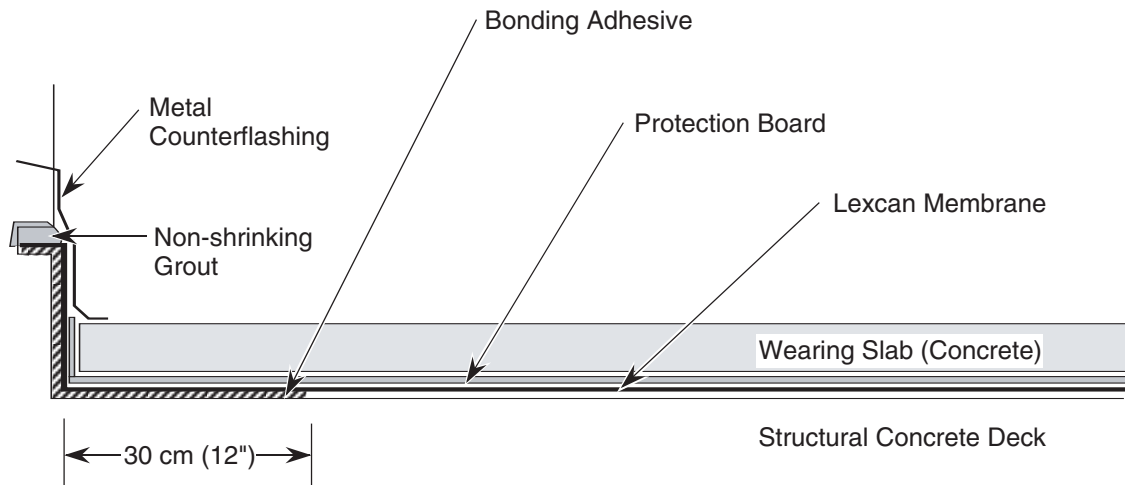
Deck with Pedestal supported Pavers

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: **L-W-001**



Comment:

- Concrete deck must have a smooth steel trowel finish free of any cure/sealer compounds.



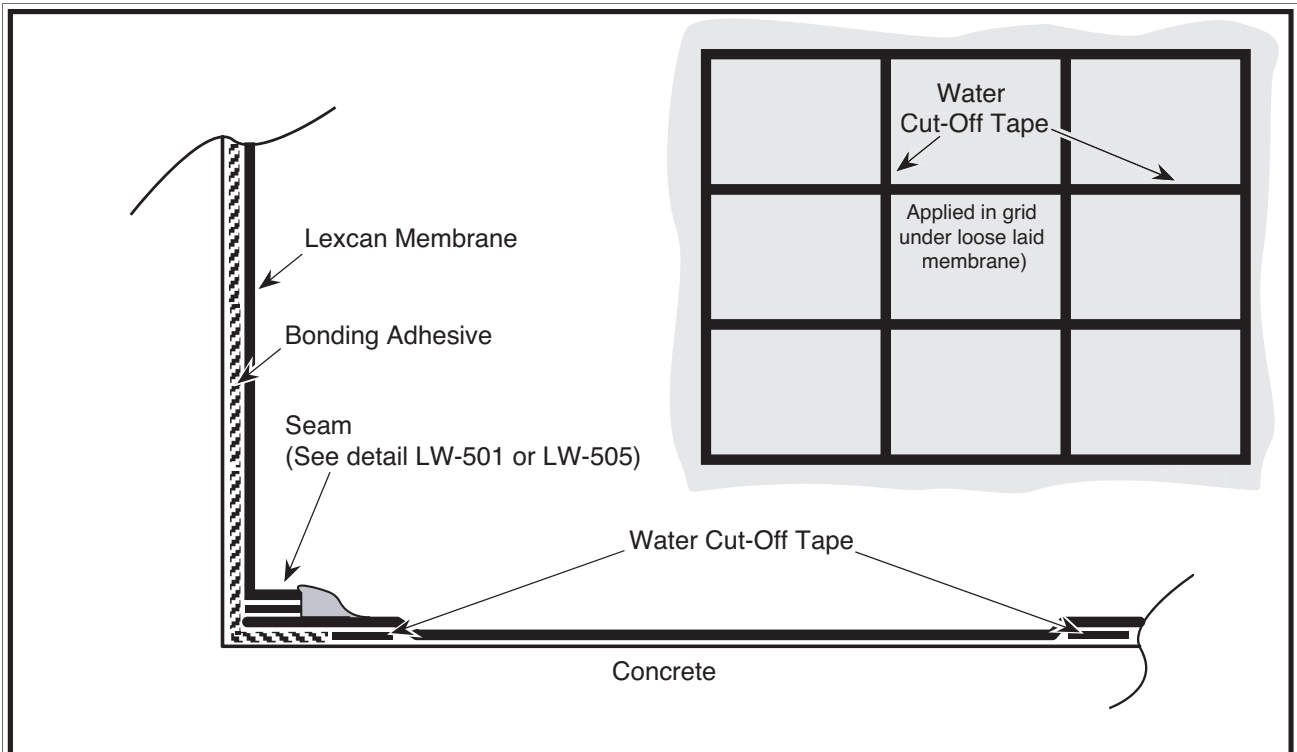
Deck with Concrete Wearing Surface

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: **L-W-011**



APPLICATION DETAILS

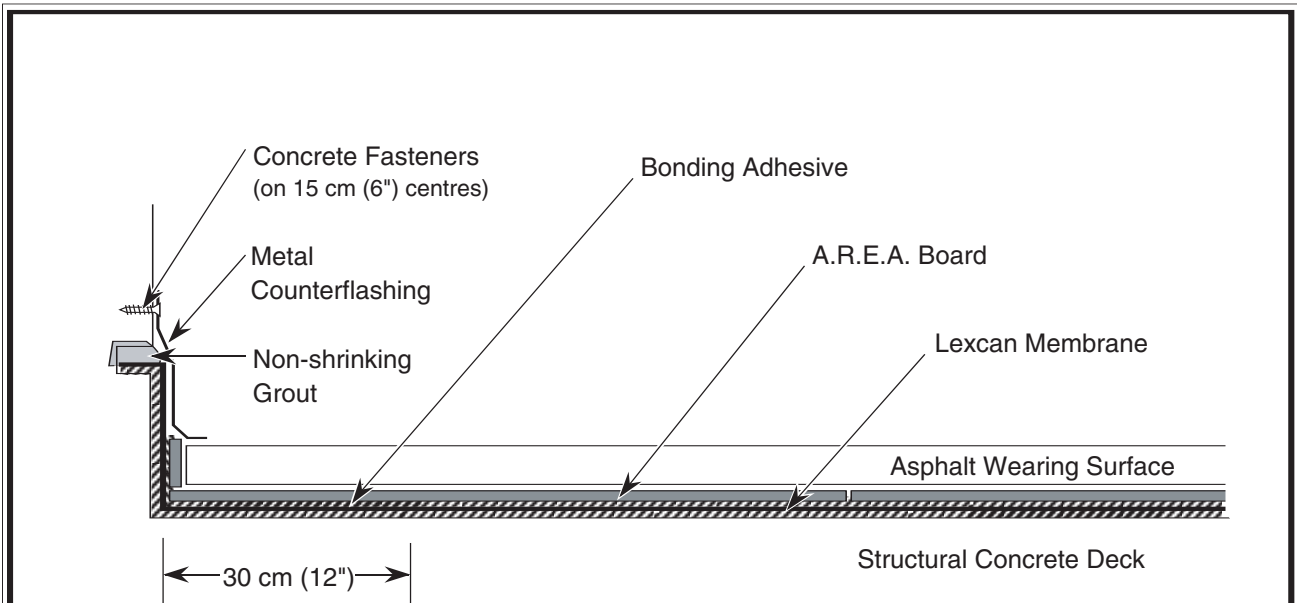


Water Cut-Off Grids (Under loose laid membrane)

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

 Detail No.: **L-W-012**


Comment: • Concrete deck must have a smooth steel trowel finish free of any cure/sealer compounds.



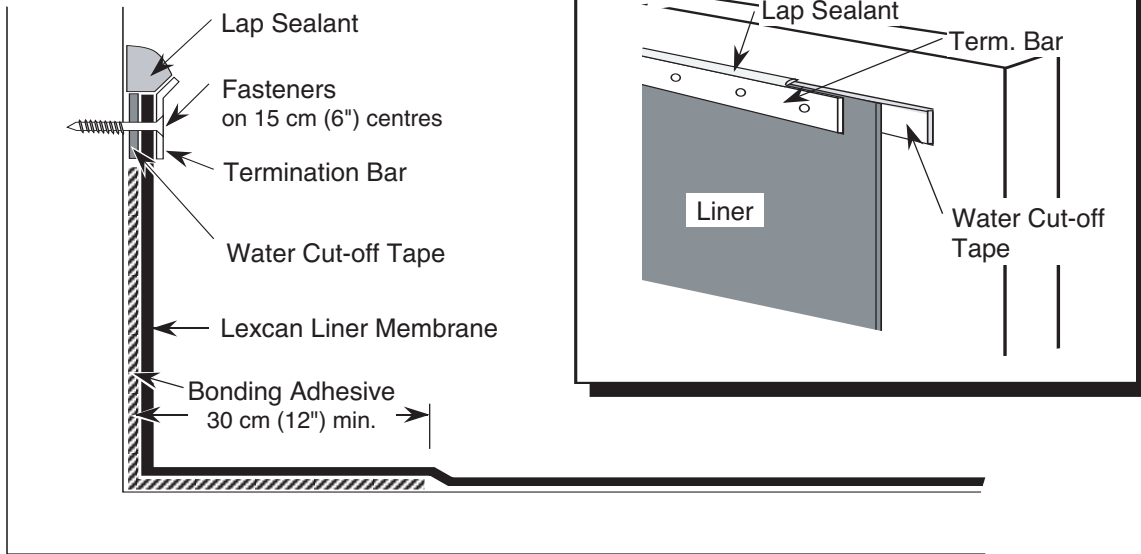
Deck with Asphalt Wearing Surface

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

 Detail No.: **L-W-015**



Comments: Liner is fastened with appropriate anchors on 15 cm (6") centres. Minimum 25 mm (1") space must be provided between Termination Bars.



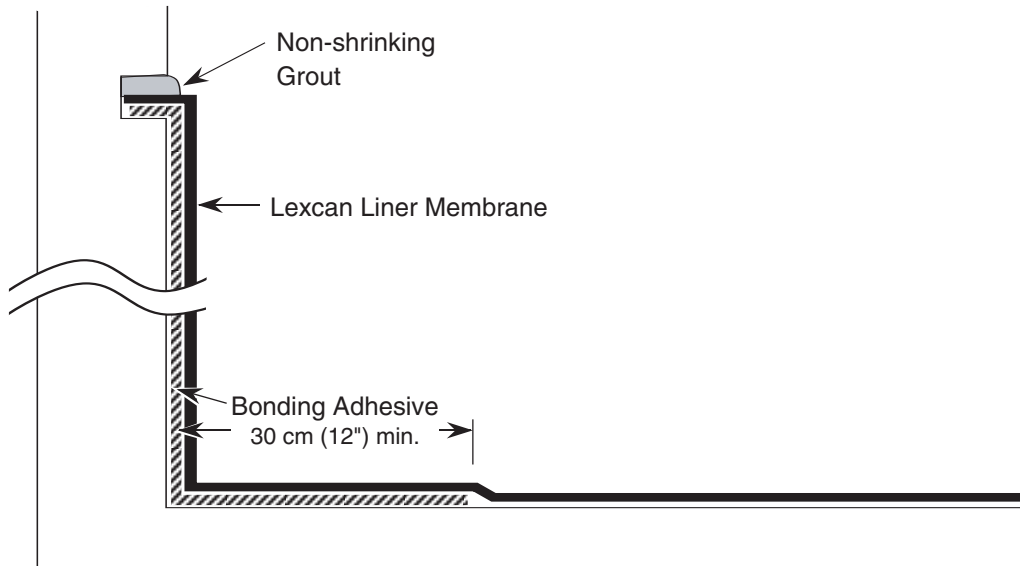
Tank Wall Termination - A
(Termination Bar Method)

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-111



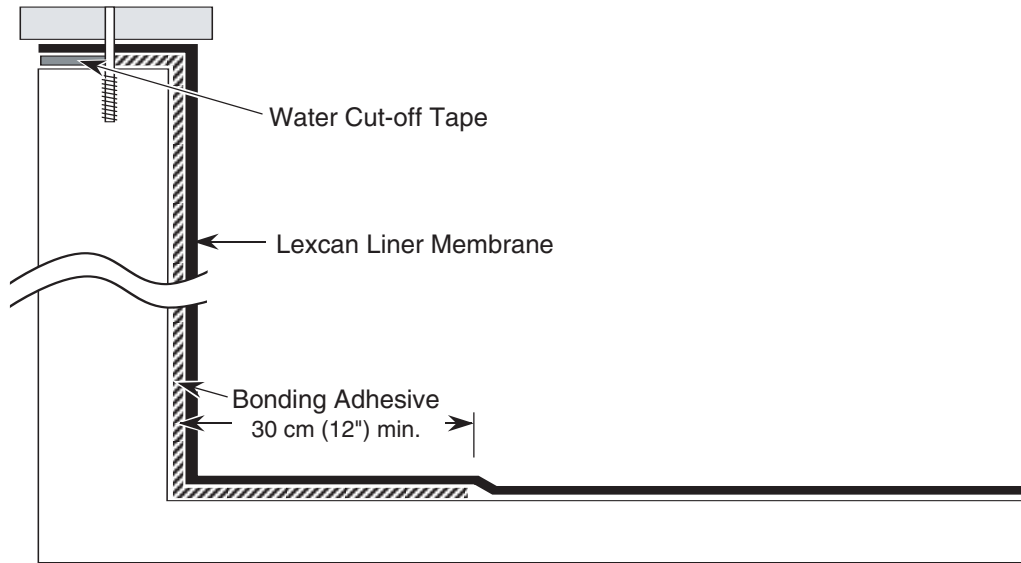
Tank Wall Termination - B
(Reglet Method)

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-112



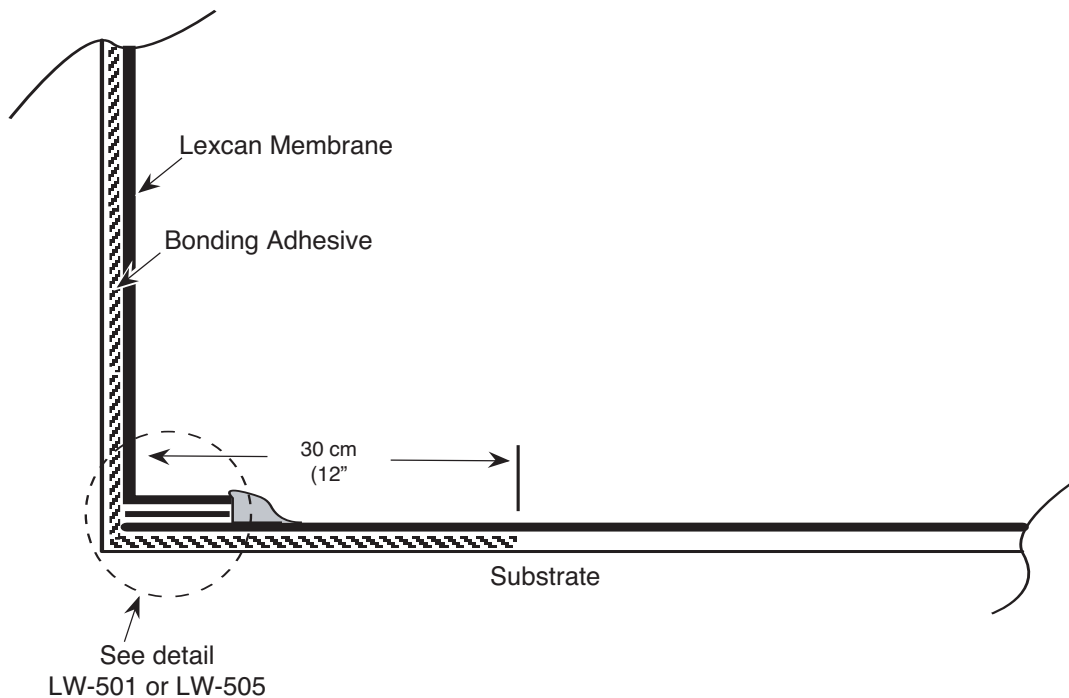
Tank Wall Termination - C (Coping Method)

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: **L-W-115**



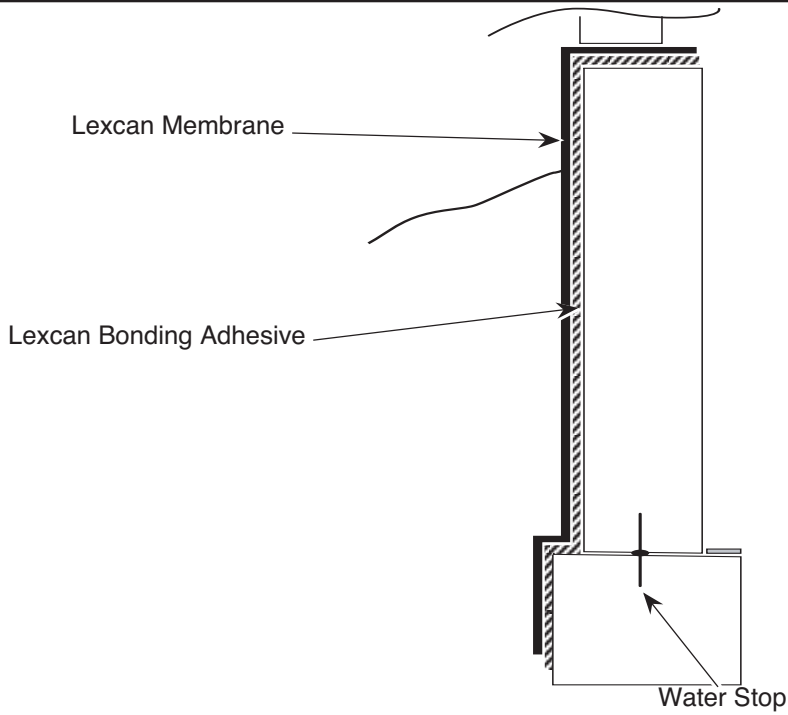
Membrane Splice at Horizontal / Vertical Juncture

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: **L-W-120**



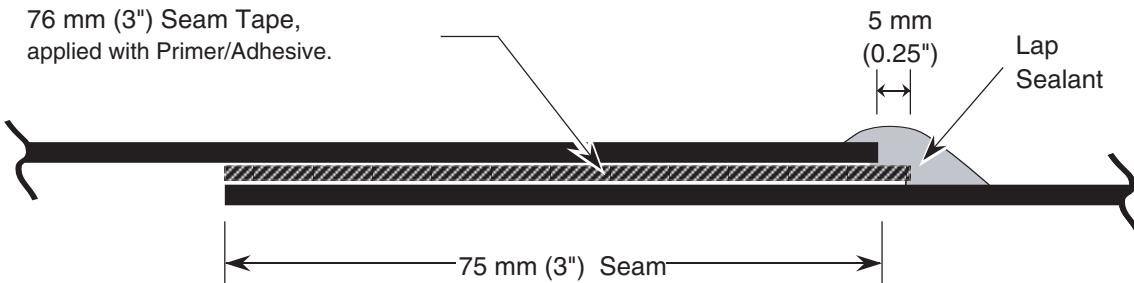
Below Grade Waterproofing

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-301



Comment: Seam "T junctions" must be overlaid with minimum 15 cm (6") square pieces of uncured flashing, applied with Primer/Adhesive and caulked with Lap Sealant.



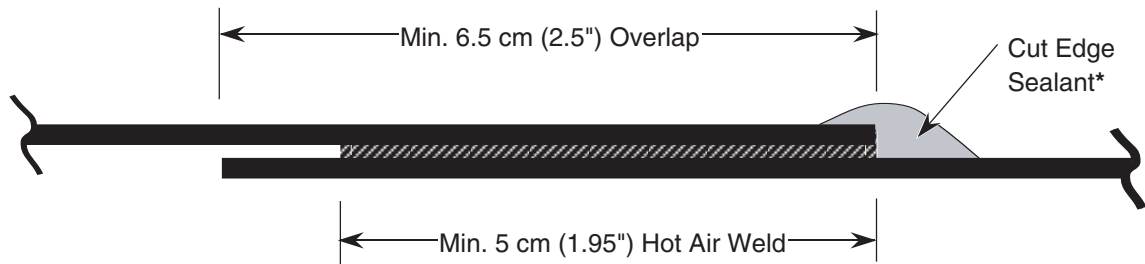
Standard Adhesive Seam

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-501



*** NOTE:** Cut Edge Sealant required only where reinforced membrane has been cut.

Comment: Seam "T junctions" must be overlaid with minimum 15 cm (6") square pieces of unsupported flashing.



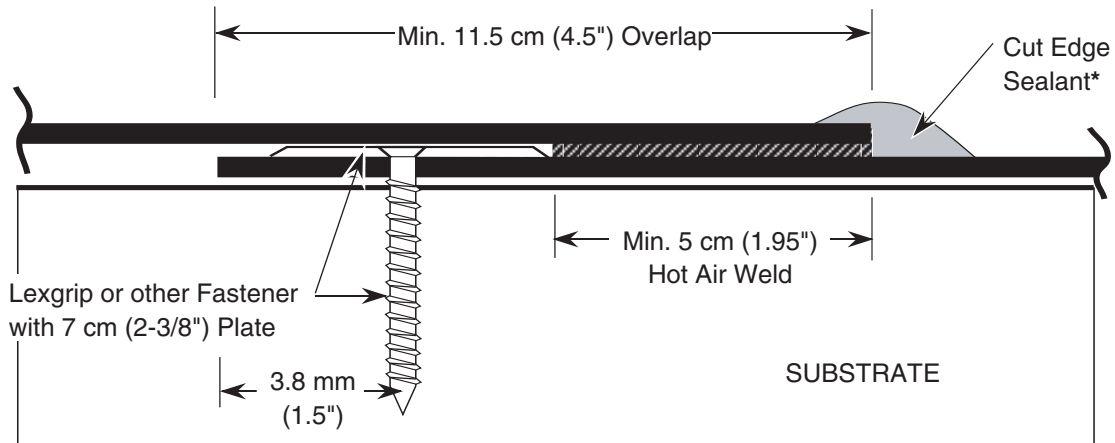
Standard Heat Welded Seam

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-505



*** NOTE:** Cut Edge Sealant required only where reinforced membrane has been cut.

Comment: Mechanically fastening the membrane to an acceptable substrate may be used to provide resistance against strong liquid flows.

Seam "T junctions" must be overlaid with minimum 15 cm (6") square pieces of unsupported flashing.



Heat Welded Seam

(Mechanically Fastened to Substrate)

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

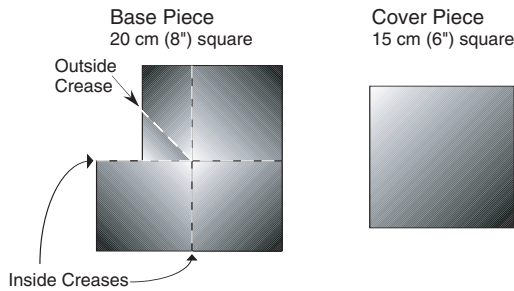
Date: January, 2012

Detail No.: L-W-506

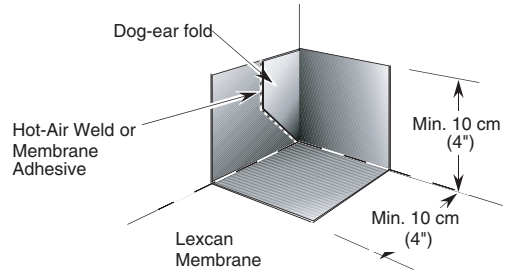
Comments:

- 1: Cut out flashing pieces according to the required dimensions in the shape and proportions shown below. Soften and crease the base piece with a hot air gun.
- 2: Fold the base piece and apply to the main membrane according to seaming directions.
3. Apply Cover Piece according to seaming directions. Caulk edges with Lap Sealant or Cut Edge Sealant if required.

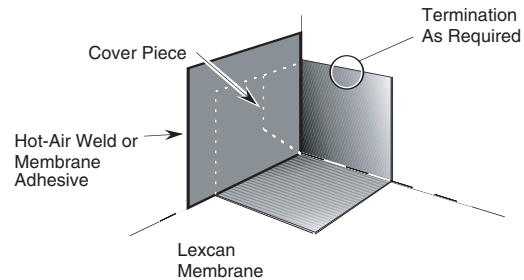
Step 1



Step 2



Step 3



Field Fabricated Inside Corner

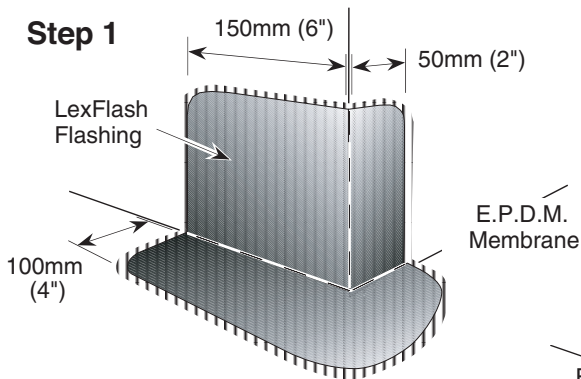
WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

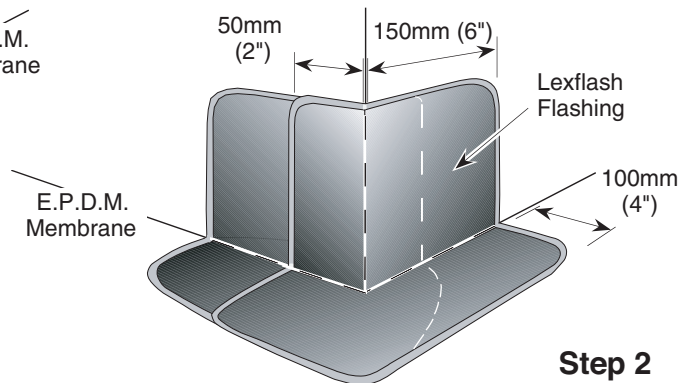
Date: January, 2012

Detail No.: L-W-511

Step 1



- Lap Sealant -----
- Primer/Adhesive -----
- Indicates fold in E.P.D.M. or Lexflash -----



Step 2

- Comments:**
1. Heat form first piece of Lexflash flashing and apply with Primer/Adhesive as shown.
 2. Heat form second piece of Lexflash flashing and apply with Primer/Adhesive as shown.
 3. Caulk all exposed edges with Lap Sealant.



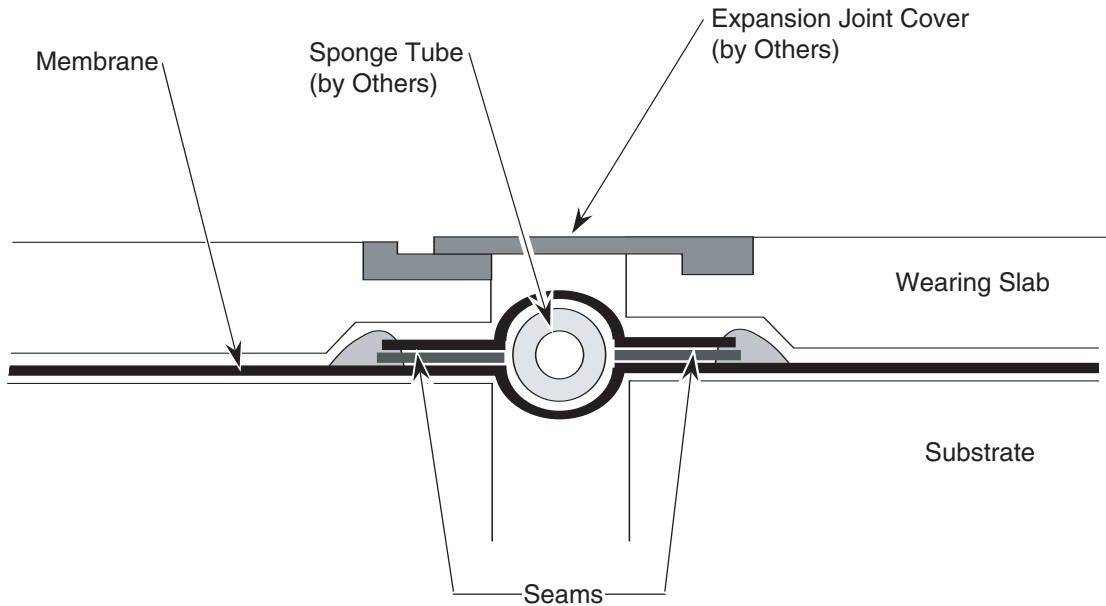
Field Fabricated Outside Corner

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-512



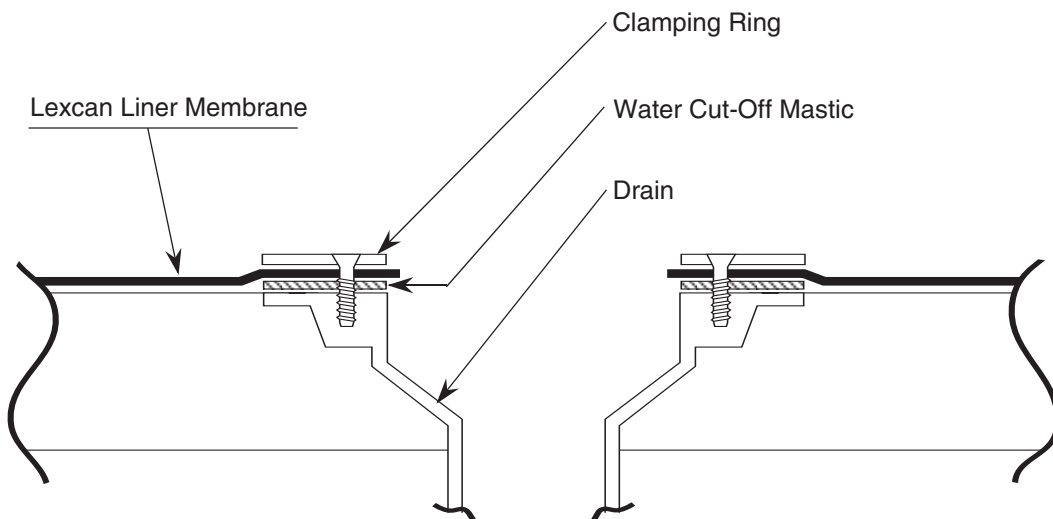
Expansion Joint

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-515



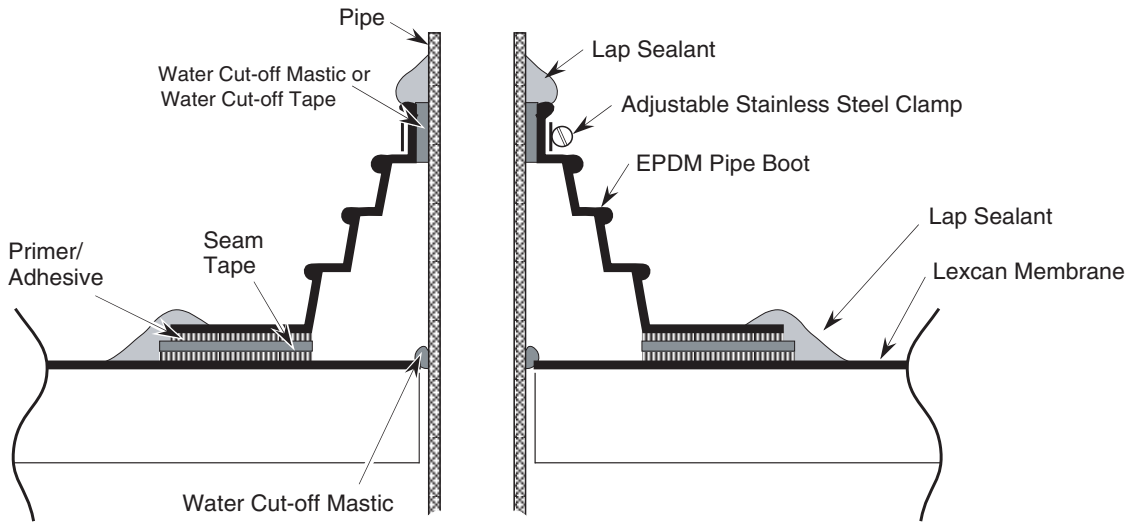
Drain Connection

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: L-W-521



Pipe Protrusion

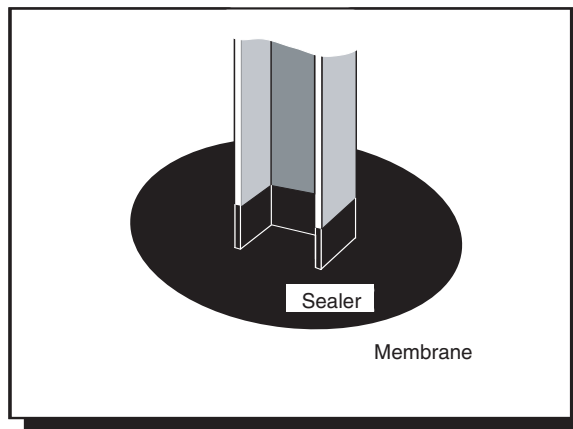
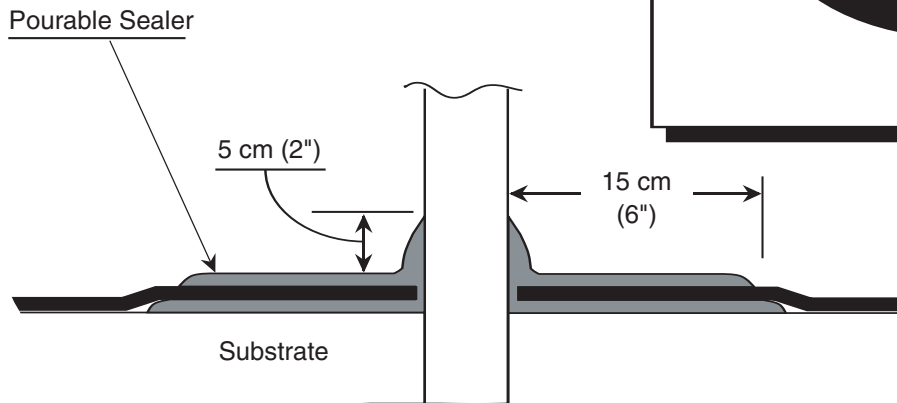
WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: **L-W-522**

Comments: Compatible Pourable Sealer is applied to the substrate underneath the membrane, a minimum of 5 cm up the protrusion and overtop of the membrane. Dried sealer thickness should be 5 mm.



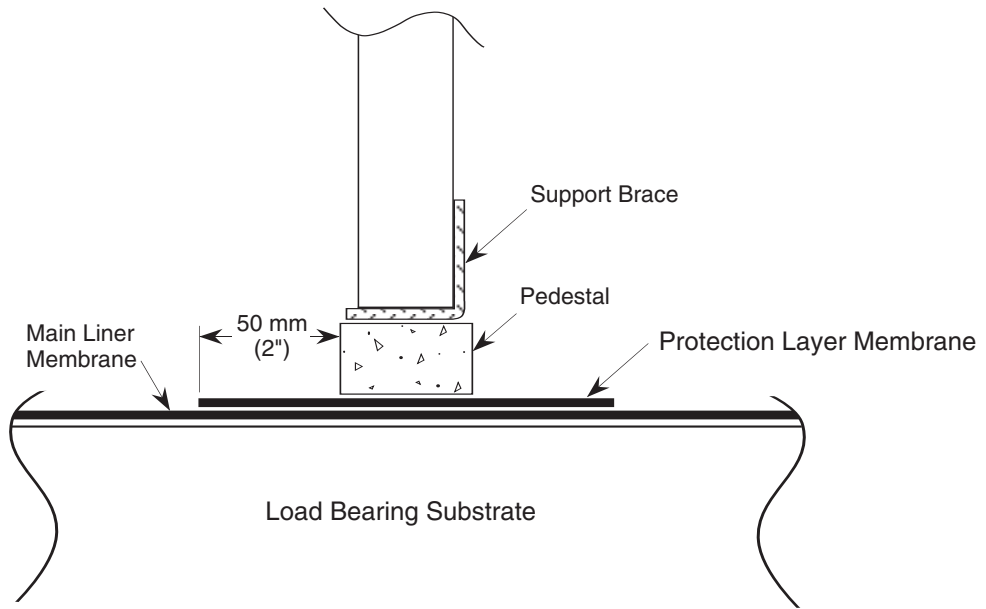
Irregular Protrusion Flashing

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: **L-W-523**



Comments: Lexpad 300 may be used in lieu of membrane where heavy duty protection is required.



Sleeper

WATERPROOFING SYSTEMS DETAIL

Scale: Not to Scale

Date: January, 2012

Detail No.: **L-W-531**

APPLICATION DETAILS