OUTSIDE PERIMETER DETAIL - PVC CLIP

'Duradek' membrane  
fully adhered

Metal drip flashing

PVC drip clip

2% Slope

NOTE:
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OUTSIDE PERIMETER DETAIL- 'L' TRIM

'Duradek' membrane
fully adhered

Router Edge

2% Slope

'L' Trim (continuous)
c/w butyl tape
& fasteners

NOTE:
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'Duradek' membrane heat welded to PVC coated drip flashing

Allow ⅛" gap at butt ends of PVC coated metal. Hot air weld 1 ½" wide PVC membrane cover strip at PVC metal gap.

2% Slope

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OUTSIDE PERIMETER DETAIL- PVC METAL C/W TRIM

'Duradek' membrane heat welded to PVC coated metal flashing.

PVC coated metal flashing: allow 1/8" gap between panels. Hot air weld 1 1/2" wide PVC membrane cover strip at PVC metal gap

Pre-finished fascia trim c/w clip (optional)

NOTE: AS A SUPPLIER OF FINISHED PRODUCT ONLY, DURADEK LTD. DOES NOT ASSUME RESPONSIBILITY FOR ERRORS IN DESIGN, ENGINEERING, OR DIMENSIONS. THE ARCHITECT, ENGINEER, SPECIFIER, CONTRACTOR OR OWNERS' REPRESENTATIVE MUST VERIFY ALL DIMENSIONS, SIZES & SUITABILITY OF DETAILS.
OUTSIDE PERIMETER DETAIL - PLYWOOD FASCIA

2% Slope

Router edges

'Duradek' membrane fully adhered

Note: If fascia is to be completely covered with 'Duradek' membrane, secure minimum 1/2" plywood to face of lumber w/ fasteners at 8" O/C.

Urethane caulking (continuous)

Use approved staples to secure membrane

NOTE:
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SYSTEM:
ALL ASSEMBLIES

DATE: 31/08/04
DRAWING No.: 05-05
REV. DATE:
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Fabric-backed 'Duradek' membrane fully adhered to plywood & hot air welded to PVC cover strip

PVC cover strip: glued to metal drip flashing

Metal drip flashing

PVC drip clip

NOTE:
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DURADEK LTD.

SYSTEM: ALL ASSEMBLIES

DATE: 31/08/04

DRAWING No.: 05-07
OUTSIDE PERIMETER DETAIL - VERGE AT STEEP ROOFING

PVC coated metal drip flashing. Allow 1/8" gap at butt joints. Hot air weld 1/2"W PVC membrane cover strip at butt joints.

'Duradek' membrane fully adhered to deck surface. Hot air welded to PVC metal.

Metal starter strip (cont) by others

Metal roof (by others)

NOTE:
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DURADEK LTD.
CANADA
UNITED STATES

31/08/04

SYSTEM:
ALL ASSEMBLIES

DRAWING No.: 05-08

DATE: 31/08/04

REV. DATE:
OUTSIDE PERIMETER DETAIL - DECK/WALL SHEATHING INTERSECTION

Extend 'Duradek' membrane min. 6" in all directions from face of deck

Allow 4" unadhered flap to create positive overlap with building sheathing paper (M.B.)

NOTE: Sheathing paper (M.B.) to overlap PVC membrane 2" min. creating a positive overlap.

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DURADEK LTD.

SYSTEM: ALL ASSEMBLIES

DATE: 31/08/04  REV. DATE: 22/05/12  DRAWING NO.: OS-09
NOTE: See our Water Diverter Technical Bulletin #121 for more information

CORNER DIVERTER

RETURN DIVERTER

MID SPAN DIVERTER
NOTE: AS A SUPPLIER OF FINISHED PRODUCT ONLY, DURADEK LTD. DOES NOT ASSUME RESPONSIBILITY FOR ERRORS IN DESIGN, ENGINEERING, OR DIMENSIONS. THE ARCHITECT, ENGINEER, SPECIFIER, CONTRACTOR OR OWNERS' REPRESENTATIVE MUST VERIFY ALL DIMENSIONS, SIZES & SUITABILITY OF DETAILS.

DURADEK LTD.

SYSTEM: ALL ASSEMBLIES

DATE: 31/08/04

DRAWING No.: 05-11
NOTE: 'Duradek' 'L' trim fixation bar not required if:
field of membrane adhered with 'Duradek' acrylic latex adhesive, July 25% dry bulb temperature does not exceed 29 deg C (84.2 deg F), maximum basic wind speed does not exceed 80 mph (129 km/h) or maximum basic wind speed (3-second gust) does not exceed 100 mph (161 km/h). See 'Duradek' bulletin for details.

NOTE: AS A SUPPLIER OF FINISHED PRODUCT ONLY, DURADEK LTD. DOES NOT ASSUME RESPONSIBILITY FOR ERRORS IN DESIGN, ENGINEERING, OR DIMENSIONS. THE ARCHITECT, ENGINEER, SPECIFIER, CONTRACTOR OR OWNERS' REPRESENTATIVE MUST VERIFY ALL DIMENSIONS, SIZES & SUITABILITY OF DETAILS.
'Duradek' membrane heat welded to PVC coated drip flashing

Allow 3/8" gap at butt ends of PVC coated metal. Hot air weld 2" wide PVC membrane cover strip at PVC metal gap.

Note: Custom bent PVC coated metal c/w pre-finished metal starter strip.
OUTSIDE PERIMETER DETAIL - DECK/MASONRY WALL INTERSECTION

Masonry wall

Metal flashing

PVC Membrane

PVC Metal

Reglet c/w urethane caulking

For through wall flashing detail see DWG IS-06
For reglet flashing detail see DWG IS-05

PVC Metal flashing
Drip line (below).

NOTE:
If face of masonry wall irregular M/F 1/2" cement board or ext grade plywood @ 8” o.c. staggered.

'Duradek' membrane

SECTION 1

NOTE:
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SYSTEM: ALL ASSEMBLIES
DATE: 22/05/12
DRAWING No.: OS-14
PVC metal drip edge, high wind areas
(meets ANSI/SPRI ES-1 wind design standards for
design systems used with low slope roof systems).

'Duradek' membrane
heat welded to
2 1/4"W x 3 1/4"H
PVC coated
drip flashing

Galv. metal cleat

Allow 1/8″ gap at butt ends of PVC coated metal. Hot air weld
2″ wide PVC membrane cover strip at PVC metal gap.

NOTE: Building envelope components & systems to resist
structural loads as required by governing building code.
Building design & structural load requirements determined by others.
Shop drawings available - upon request.

NOTE:
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Continuous galvanized metal starter strip (To separate Duradek from other membranes)

Duradek membrane bonded to plywood or metal substrate

Slope

Cap flashing (By others)

Roofing membrane (By others)

8" high curb to meet local building code requirements

NOTE:
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INSIDE PERIMETER DETAIL - 'L' TRIM

Cladding: Min. 2" clearance from deck surface
Sheathing Paper (MB):
Overlap membrane min. 2"
'Duradek' membrane fully adhered:
Extended 6" min. up wall
Wall sheathing
'L' trim c/w butyl tape & color matched screws (optional - see notes)
Inside edge flashing (optional)

NOTE: 'Duradek' 'L' trim fixation bar not required if: field of membrane adhered with 'Duradek' acrylic latex adhesive, July 25% dry bulb temperature does not exceed 29 deg C (84.2 deg F), maximum basic wind speed does not exceed 80 mph (129 km/h) or maximum basic wind speed (3-second gust) does not exceed 100 mph (161 km/h). See 'Duradek' bulletin for details.

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INSIDE PERIMETER DETAIL: ACRYLIC LATEX ADHESIVE @ FIELD AREA OF MEMBRANE

Cladding min 2" clearance from deck surface

Air/moisture barrier-overlap membrane min 2"

Duradek membrane fully adhered 6" min up wall sheathing

Inside edge flashing (opt)

Field of membrane bonded with acrylic latex adhesive

NOTE:

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SYSTEM:
ALL ASSEMBLIES

DATE: 13/03/19

DRAWING No.: 15-01-ALT ‘A’
INSIDE PERIMETER DETAIL: CONTACT ADHESIVE @ FIELD AREA OF MEMBRANE

- Cladding min 2" clearance from deck surface
- Air/moisture barrier overlap membrane min 2"
- Duradek membrane fully adhered 6" min up wall sheathing
- Urethane caulking trowelled into corner (opt - see note)
- Field of membrane bonded with contact adhesive
- Inside edge flashing (opt)

Note: Urethane caulking trowelled into corner not required if the July 25% dry bulb temperature does not exceed 29 C (84.2° F)

Fastener Options supplied by Duradek are Color Coated Screws or Painted Ring Shank Nails

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DURADEK LTD.

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SYSTEM: ALL ASSEMBLIES
DATE: 13/03/19
DRAWING No.: IS-01-ALT ‘B’

NOTE:

REV. DATE:
INSIDE PERIMETER DETAIL - DEEP PROFILE CLADDING

Sheathing paper (MB):
Overlap membrane min. 2"

'Duradek' membrane,
fully adhered:
Extend 6" min. up wall

Deep profile cladding
c/w metal drip flashing.
Note: Clearances required

'L' trim c/w butyl tape
& color matched screws.
Note: wood blocking

NOTE:
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SYSTEM:
ALL ASSEMBLIES

DATE: 31/08/04  DRAWING No.: 15-02
REV. DATE:
NOTE:

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INSIDE PERIMETER DETAIL - REGLET FLASHING

Solid masonry/face sealed wall

Pre-finished metal reglet flashing
  c/w caulkng & backing rod

24 GA pre-finished metal c/w hemmed edge. Edge to be placed firmly on surface of deck membrane. Fasteners to have neoprene heads & be fastened through butyl tape.

Note: If face of masonry wall irregular m/f ½" 'Hardibacker' or ext. gr.plywood @ 8" O.C.—staggered.

'Duradek' membrane fully adhered

6" minimum

NOTE:
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INSIDE PERIMETER DETAIL- THROUGH WALL FLASHING

Positive tie in to building paper/ASM (by others)
Masonry Wall (by others)
Weep Holes (by others)
Metal thru-wall flashing (by others)

24 GA pre-finished metal c/w hemmed edge. Edge to be placed firmly on surface of deck membrane. Fasteners to have neoprene heads & be fastened through butyl tape.

If face of masonry wall irregular m/f ½” 'Hardibacker' or ext. gr. plywood @ 8” O.C. – staggered.

'Duradek' membrane fully adhered

NOTE:
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SYSTEM:
ALL ASSEMBLIES
DATE: 31/08/04
REV. DATE:
DRAWING No.: 15-06
NOTE:
(1) Material & labor warranties would only extend to top of NEW installed membrane.
(2) Urethane sealant installed to encapsulate end of membrane.
REMovable Trim Board Detail

Cladding

Moisture Barrier: Overlap Membrane 2" minimum.

'Duradek' Membrane: Fully adhered 8" minimum up wall

Pre-finished metal flashing

[NOTE: Removable trim board: Min. 2' clearance from deck surface for wood, cementitious trims. PVC trims (drawn) can extend to deck. Fasten at least 3.5' above deck through butyl tape.]

SCALE: 6"=1'-0"

NOTE:

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Duradek Ltd.

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System: All Assemblies

Date: 25/08/08

Drawing No.: 15-08
PVC Metal angle

'Duradek' membrane under door frame & shim
Pre-finished metal flashing. Fasteners to have neoprene heads & be fastened through butyl tape.

Note: Door set in continuous bead of urethane caulking (by others)
NOTE:

- Duradek membrane to be separated from non-compatible roofing products or accessories with metal flashing.
- Steep roofing suppliers to confirm their compatibility with a PVC roof membrane.

Duradek membrane
Plywood sheathing

8" to first thru fastener

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Existing EIFS System

New aesthetic band (by others)

Existing weather resistive barrier (WRB)

Remove 10" of existing EIFS - Leave WRB intact

Cont. WRB tie-in lapped onto bare metal & apply cont. bead of caulking @ top of membrane

NOTE: WRB tie-in can lap onto PVC Membrane if compatible

Duradek membrane bonded to 1-½" x 8" 24 GA Galv Metal inside flashing (Fastened to structural elements)

NOTE: All dimensions are minimum; the architect, engineer, specifier, contractor or owners’ representative must verify all dimensions, sizes, and suitability of details, and are in accordance with governing building codes.
Existing EIFS system
Seal cut edge with EIFS WTPF
base coat

Compatible sealant, closed cell
backer rod c/w weep tubes @24" O.C

Prefinished metal flashing - Set
into cont. bead of caulking

Existing weather resistive barrier
(WRB)

Cont. WRB tie-in lapped onto bare
metal & apply cont. bead of
caulking @ top of membrane

NOTE: WRB tie-in can lap onto
PVC Membrane if compatible

Duradek membrane bonded to
1-½" x 8" 24 GA galv.
metal inside flashing
(fastened to structural elements)

Removeable trim board with
countersunk fasteners - plugged

Remove 10" of existing EIFS -
leave WRB intact

NOTE: Non absorbative products like metal or
plastic trim boards can extend to deck level

NOTE:
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ACCORDANCE WITH GOVERNING BUILDING CODES.
'Duradek' membrane glued to plywood deck. Set in a continuous bead of urethane caulking at drain body (recessed area).

Metal drain body flange fastened to deck with flathead screws. Countersink flange into deck for flush installation.

Removable clamping flange

Removable grate

2% Slope

'WDD 1' Deck drain body

KEY DIMENSIONS:
Flange Diameter: 8⅛"
Body Height: 3⅛"
Pipe Size: 2" NH (MJ) outlet

NOTE:
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1) Use drain body as template to mark 8 1/8" dia flange recess area & center of drain
2) Cut 6 ½" dia hole
3) Router recess so drain flange will sit flush with deck surface
4) Scallop 2" x 6" blocking to accommodate drain body
5) Blocking to span between joists. End fasten thru joists with 3x10x3" SS WS at each end
6) Pre-drill additional 3x pilot holes in drain flange, centered between existing holes
7) Fasten WDD-1 with 6x #8 x 1½" SS WS
8) Lightly grind top of drain flange
9) Install membrane, cut 3" dia hole (centered), cut patches at clamping flange fastening points
10) Apply cont. bead of approved urethane caulking at clamping flange seating area
11) Install retainer clamping flange with (3) screws (supplied)
12) Install grate with (2) screws (supplied)

Note: 2" (51) ABS body will accept 2" (51) pipe size, NH (MJ) outlet
DRAIN DETAIL- PVC COATED DECK DRAIN

'Duradek' membrane hot air welded to drain body flange 4' into bowl. Apply bead of urethane caulking at cut edge of membrane.

PVC coated drain
Drain cover c/w flathead screws

2% Slope

NOTE:

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SYSTEM:
ALL ASSEMBLIES

DATE: 31/08/04
REV. DATE: 31/07/18
DRAWING No. DR-02
PVC Coated Deck Drain

Installation Notes:

• Drain to be countersunk into plywood deck approximately 1/8”.

• Drain body is attached to plywood with 6 - 10 x 3/8” wood screws (nic). Countersink screw heads with 3/8” high speed countersink drill bit (nic). File off burs (on back side) created from drilling process.

• Attach drain body to drain pipe with “M-J” coupling (nic). Coupling available in stepped sizes for attachment to both larger and smaller diameter drain pipes. (By others)

• Duradeck deck membrane is hot air welded to entire PVC coated drain body flang and then into bowl. Avoid glue on back of membrane at drain location. (Glue can be scraped off PVC backed membranes only with nozzle of hot air gun).

• Apply bead of urethane caulking at cut edge of membrane in bowl

• Install drain cover with (3) screws supplied.

For technical information including drainage charts, visit the manufacturer’s website:  
http://precisionmetals.ca/alum-vinyl-deck-drains/
Installation Notes:
- Drain to be countersunk into plywood deck approximately 1/8"
- Drain body is attached to plywood with 6 x #8 x 1 1/2" screws (or roofing nails).
  Countersink screw heads with 3/8" high speed countersink drill bit (nic). File off burrs
  (on back side) created from drilling process.
- Attach drain body to drain pipe with “M-J” coupling (nic). Coupling available in
  stepped sizes for attachment to both larger and smaller diameter drain pipes.
  (By others)
- Apply bead of urethane caulking at cut edge of membrane bowl.
- Install drain cover with (3) screws supplied.
Installation Notes:

- Drain to be countersunk into plywood deck approximately 1/8”
- Drain body is attached to plywood with 6 x #8 x 1 1/2” screws (or roofing nails).
  Countersink screw heads with 3/8” high speed countersink drill bit (nic). File off burs
  (on back side) created from drilling process.
- Attach drain body to drain pipe with “M-J” coupling (nic). Coupling available in
  stepped sizes for attachment to both larger and smaller diameter drain pipes. (By
  others)
- Duradek deck membrane is hot air welded to entire PVC coated drain body flang and
  then into bowl. Avoid glue on back of membrane at drain location. (Glue can be
  scrapped off PVC backed membrane only with nozzle of hot air gun).
- Install drain cover with (3) screws supplied.

NOTE:

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ACCORDANCE WITH GOVERNING BUILDING CODES.
DRAIN DETAIL - PVC COATED BOX SCUPPER

NOTE:
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SYSTEM: ALL ASSEMBLIES
DATE: 31/08/04
DRAWING No.: DR-03

KEY DIMENSIONS:
Length: 12"
Width: 4"
Height: 3½"
Pipe Size: 2¼" O.S.
NOTE:
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SYSTEM:  ALL ASSEMBLIES
DATE:  31/08/04  DRAWING No.:  DR-04
Note: Membrane clamped and caulked between strainer and body extension.
We recommend the use of Watts FD-100-FC floor drain with surface membrane clamp for concrete deck applications.
For more information see Techtalk 165, or visit the manufacturer’s website: http://media3.wattswater.com/ES-WD-FD-100-FC.pdf

* Not for Tiledek Applications

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POST DETAIL

Cladding: Min. 2" clearance from deck surface
Sheathing Membrane (MB)
Overlap 'Duradek' membrane 2" min.
'Duradek' membrane, fully adhered:
Extended 6" min. up wall

'L' trim c/w butyl tape & fasteners
(optional—see notes)
2% Slope

NOTE: 'Duradek' 'L' trim fixation bar not required if field of membrane adhered with 'Duradek' acrylic latex adhesive, July 25% dry bulb temperature does not exceed 29 deg C (84.2 deg F), maximum basic wind speed does not exceed 80 mph (129 km/h) or maximum basic wind speed (3-second gust) does not exceed 100 mph (161 km/h). See 'Duradek' bulletin for details.

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DURADEK LTD.

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Fax: (604) 591-3100
Fax: (816) 421-2924

SYSTEM: ALL ASSEMBLIES
DATE: 31/08/04
REV. DATE: DRAWHG No.: P-01
NOTE:
- Provide polyurethane caulkig seal at post fastener membrane penetration.
- Height of column base above deck surface as dictated by governing building code.
- Design of post, connectors, base structural support & other related issues by others.
CLASS `A' ROOF COVERING ASSEMBLY

ASSEMBLY NOTED IN DURADEK FBC TEST REPORT FL#20069 & TDI EVALUATION REPORT RC-477.

DURADEK ULTRA

\[\text{\small 1" backer unit} \]

\[\text{Bond Coat} \]

\[\text{\small 5/8" plywood (minimum 15.9mm)} \]

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NOTE:
For use on surfaces over NON-HABITABLE SPACE ONLY: Duradek designates "Non-habitable space" as an area not over a living area or other areas, which are not governed by the local Building Codes (i.e.: sun decks, patios, etc.). A NON-HABITABLE DETAIL could be considered for applications where the detail does not contribute to water migration into the building envelope and has no consequential damaging effect to the building or deck support structure. Duradek recommends the use of 'ALL ASSEMBLIES' details for all installation of Duradek Waterproofing Membranes. These roofing details are sound and time proven. If the owner or his representative decides to use details designated as "NON-HABITABLE" because of aesthetics, practicality, cost or other project specific considerations, Duradek forgoes all responsibility for use of the detail.
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NON-HABITABLE DETAIL - WALL WATER CUT-OFF

Irregular wall surface: wall is not capable of being waterproofed to

Urethane Caulking (continuous)

Perimeter of 'Duradek' membrane seated in a continuous 1" wide ribbon of approved urethane adhesive/sealant

'Duradek' membrane fully adhered to porous concrete with approved acrylic/latex adhesive. Trim 3/8" back from face of wall.

Concrete Deck Only

At weep hole taper caulking. DO NOT FILL WEEP HOLES.

Masonry weep hole

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OVER NON-HABITABLE AREAS

DATE: 31/08/04
REV. DATE: 

DRAWING No.: NH-03
'Duradek' membrane fully adhered to porous concrete with approved acrylic/latex adhesive & welded to PVC coated metal flashing

PVC coated metal flashing set in continuous bead of approved urethane adhesive/sealant

Urethane Caulking (continuous)

Concrete slab

Saw Kerf filled with approved urethane adhesive/sealant

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Duradek recommends the use of 'ALL ASSEMBLIES' details for all installation of Duradek Waterproofing Membranes. These roofing details are sound and time proven. If the owner or his representative decides to use details designated as "NON-HABITABLE" because of aesthetics, practicality, cost or other project specific considerations, Duradek forgoes all responsibility for use of the detail.

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SYSTEM: OVER NON-HABITABLE AREAS
DATE: 31/08/04
REV. DATE: 
DRAWING No.: NH-05
NON-HABITABLE DETAIL - WOOD OR METAL POST

Urethane caulking (continuous)

Mini 'L' Trim c/w butyl tape & fastener

'Duradek' membrane collar to 2" - 6" above deck

Heat weld collar to deck membrane

POST OR COLUMN

Alternative Fastening Method:
Top of collar seated in continuous sealant bead

'Duradek' membrane fully adhered

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DURADEK LTD.

OVER NON-HABITABLE AREAS

DATE: 31/08/04
REVISION DATE: NH-06
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NOTE:

Set RWL far enough off wall to help with contractor installation. 3” – 4” clearance should work from pipe to wall.

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FOR USE ON SURFACES OVER NON-HABITABLE SPACE ONLY: DURADEK DESIGNATES 'NON-HABITABLE SPACE' AS AN AREA NOT OVER A LIVING AREA OR OTHER AREAS, WHICH ARE NOT GOVERNED BY THE LOCAL BUILDING CODES (I.E.: SUN DECKS, PATIOS, ETC.).
ALUMINUM RAILING MOUNTING CONNECTIONS

GENERAL NOTES:
- When fastening through 'Duradek' membrane drill pilot hole & fill with approved polyurethane caulk.
- Fasten railing to solid wood blocking.
- Follow railing manufacturers installation instructions.

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SYSTEM: ALL ASSEMBLIES
DATE: 31/08/04
REV. DATE: 06/06/16
DRAWING No.: R-03