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CONTRACTOR ENFORCEMENT DIVISION
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PRODUCT CONTROL DIVISION
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PRODUCT CONTROL NOTICE OF ACCEPTANCE

Duro-Last Roofing, Inc.
525 Moreley Drive
Saginaw ,MI 48601

Your application for Notice of Acceptance (NOA) of:

Duro-Last Roofing System-Concrete

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0410.13
EXPIRES: 08/26/2002

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 08/23/2001



ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Single Ply
Materials: PVC
Deck Type: Concrete
Maximum Design Pressure: -105 psf (See Specific System Herein)
Fire Classification: See General Limitation #1

Approval Date: August 23, 2001Expiration Date: August 26, 2002

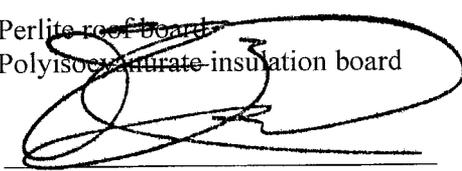
TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Duro-Last Accessories	Various	ASTM D-4434	Custom fabricated accessories for parapets and penetrations in the Duro-Last roof.
Duro-Last Duro-Coated Fasteners	#14 x 1 1/2" up to #14 x 24"	PA 114	Roofing and insulation fasteners, Duro-Coated with #3 Phillips head.
Duro-Last Insulation Plates	3" diameter	PA 114	Round plastic stress plates.
Duro-Last Fascia Bar	1 3/4" x 10'; 4" x 10'		Extruded vinyl drip edge with holes punched 8" o.c..
Duro-Last Steel Plates	3" x 3"	PA 114	Galvalume steel stress plates.
Duro-Last Fascia Bar Cover	1 3/4" x 10'; 4" x 10'		Extruded decorative cover for Duro-Last Fascia Bar: white, tan or gray.
Duro-Last Termination Bar	1 3/4" x 10'		Termination bar with holes punched 6" o.c.
Duro-Last Membrane	.045" thick, fabricated in sheets up to 2000 sq. ft.	ASTM D-4434	PVC polymer blend polyester reinforced roofing membrane: white, tan or gray.
Duro-Last Stainless Steel Screws	#12 x 1 1/4"	PA 114	Termination and trim fasteners.
Duro-Last Vinyl Coated Sheet Steel	4' x 10' x .043" thick	G-90	G-90 galvanized steel, laminated with Duro-Last Vinyl Film.
Duro-Last Drip edge	2" face x 10'; 4" face x 10'		Extruded vinyl drip edge with holes punched 8" o.c..
Duro-Last Polyplates	2" diameter	PA 114	Round plastic stress plates.
Duro-Last Duro-Coated Hex Head Screws	#14 x 1 1/4"	PA 114	Termination screws.
Duro-Last Two-Way Roof Vents			Injection molded two-way roof vents with a Duro-Last membrane skirt.
Duro-Last Membrane	.037" thick, fabricated in sheets up to 2500 sq. ft.	ASTM D-4434	PVC polymer blend polyester reinforced roofing membrane: white, tan or gray.
Duro-Fold Membrane Underlayment Board	4' x 50' x 3/8" thick	UL-790	Extruded polystyrene with polypropylene facer
Duro-Last Gravel stop	2" face x 10'; 4" face x 10'		Extruded vinyl gravel stop with holes punched 8" o.c.
Duro-Caulk 118	10 oz tubes	TT-S-00230C	Type II Class A

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Roof-Trak Walk Pads	30" x 60" x .125" thick		Extruded vinyl walk way pads manufactured from Duro-Last membrane.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
AC Foam I & II	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
AC Foam Supreme	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
Atlas FR-10	4' x 250' x 20 mil	UL-790	Calcium carbonate impregnated fiberglass mat
Atlas FR-50	4' x 150' x 50 mil	UL-790	Calcium carbonate impregnated fiberglass mat
CLS 315	10 oz. Tubes		One part self leveling silicone
Concrete Nails	2" to 8"	FM-4470	Fluted concrete nails with flouorocarbon coating
Concrete Screws	2" to 14"	FM-4470	Fluted concrete screws with flouorocarbon coating
Dens Deck Overlayment Board	Min. 2' x 4'	ASTM E-108	Gypsum roof overlayment board
E'NRG'Y PSI-25	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
E'NRG'Y II	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
ES Foam I	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
Expanded Polystyrene	Min. 2' x 8' ; 1.5 # Density	ASTM E-108	Polystyrene roof board insulation
Extruded Polystyrene	Min. 2' x 8' ; 1.5 # Density	ASTM C-557	Polystyrene roof board insulation
Fiberglas Roof Insulation	Min. 3' x 4'	ASTM E-108 ; ASTM C-726	Glass fiber insulation board
Foamfold Membrane Underlayment Board	4' x 48' x 1/2" thick	UL-790	Expanded polystyrene
High Density Wood Fiberboard	Min. 2' x 4'	ASTM C-208	Fiberboard roof insulation board
Hy-Tech	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
IOS 95+GW	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
ISO-Shield R-Plus	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
ISO-Shield	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
ISO-Therm	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
Multi-Max	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
NTB	2-1/2" to 12"		Plastic auger type fastener with anti-backout wires
Paroc Capboard	Min. 4' x 4'	ASTM E-108 ; ASTM C-726	Rockwool mat insulation
Perlite Insulation	Min. 2' x 4'	ASTM C-728	Perlite roof board
Pyrox	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board


 Frank Zuloaga, RRC
 Roofing Product Control Examiner

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Roof Drains	3" & 4"	FST	Vinyl Roof drain
Star-AP	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
ThermaRoof	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
Type X with water resistant core and facer	Min. 2' x 4'	ASTM C-208	Gypsum board
Gypsum Board			
UltraGard Gold	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
UltraGard Premier	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board
Vulkem 626 Caulk	10 oz tubes	TT-S-00230C	Type II Class A
White Line	Min. 4' x 4'	PA 110	Polyisocyanurate insulation board

EVIDENCE SUBMITTED

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corporation	J.I. 2M4A8 .AM	Wind Uplift	3-05-87
	Letter	Approval of Atlas Iso.	3-15-91
	J.I. 3Y5A6.AM	Class 1-150 Windstorm	3-10-95
	Letter	Wind Uplift on	1-18-94
	J.I. OP3A5 .AM	Concrete Decks	3-10-88
	J.I. OP3A5 .AM	Wind Uplift Letter	2-06-89
	J.I. 1X8A8 .AM	Class I, I-60 & I-90	11-1-93
	Letter	Fire and Wind Uplift	9-05-90
	J.I. 1X2A7 .AM	Wind Uplift	9-17-93
	4D6A4.AM 3005604	Approval of NRG Iso. Fire Resistance Class 4470	08-90-99 03-13-2000
National Evaluation Service, Inc.	Ner-227 & Letter	Membrane Roofing	2-01-94
Underwriter Laboratories	R-10128(N)	Fire Resistance	12-3-93



Frank Zuloaga, RRC
Roofing Product Control Examiner

SYSTEMS:

- Deck Type 3I:** Concrete Decks, Insulated, New Construction, Reroof
- Deck Description:** 2500-psi structural concrete
- System Type C (1):** All layer of insulation are mechanically attached to roof deck.

Note: All General Limitations shall apply to this system.

<u>Insulation Base Layer</u>	<u>Fastener Type</u>	<u>Fastening Detail No.</u>	<u>Fasteners Per Board</u>	<u>Fastener Density</u>
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(See RAS 117)

AC FOAM I, AC FOAM II, AC FOAM SUPREME, Pyrox, E'NRG'Y II, PSI-25, UltraGard Gold, UltraGard Premier, Firestone ISO-95 GW, ES Foam I, Hunter Panel, Extruded or Expanded Polystyrene, High Density Wood Fiber

Minimum: ½" x 4' x 4'	Duro-Last #14	[3]	4	1:4 ft ²
Minimum: ½" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²

Perlite

Minimum: ½" x 2' x 4'	Duro-Last #14	[1]	2	1:4 ft ²
Minimum: ½" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

- Vapor Retarders:** (Optional) Any UL or FMRC approved vapor barrier.
- Barrier Sheet:** (Optional) Atlas Energy Products FR-10®, FR-50®, ¼" Dens Deck, ½" thick UL Classification type X gypsum with a moisture resistant facer and core, Foamfold, or a second sheet of barrier board may be used over the insulation (see General Limitation #1).
- Membrane with 60" tabs:** Duro-Last® membrane shall be mechanically attached at its 3" tabs, spaced every 60" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) and Poly-Plates® spaced 12" o.c. maximum, through the insulation and into the deck.
- Membrane with 28" tabs:** Duro-Last® membrane shall be mechanically attached at its 3" tabs, spaced every 28" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) with Duro-Last 2 in. Poly-Plates® spaced 18" o.c. maximum, through the insulation and into the deck.
- Maximum Design Pressure:** -45 psf (see General Limitation #7)



Frank Zuloaga, RRC
Roofing Product Control Examiner

Deck Type 3I: Concrete Decks, Insulated, New Construction, Re-roof
Deck Description: 2500-psi structural concrete
System Type C (2): All layer of insulation are mechanically attached to roof deck.

Note: All General Limitations shall apply to this system.

<u>Insulation Base Layer</u>	<u>Fastener Type</u>	<u>Fastening Detail No.</u>	<u>Fasteners Per Board</u>	<u>Fastener Density</u>
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AC FOAM I, AC FOAM II, AC FOAM SUPREME, Pyrox, E'NRG'Y II, PSI-25, UltraGard Gold, UltraGard Premier, Firestone ISO-95 GW, ES Foam I, Hunter Panel, High Density Wood Fiber, Extruded or Expanded Polystyrene

Minimum: ½" x 4' x 4'	Duro-Last #14	[3]	4	1:4 ft ²
Minimum: ½" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²
Perlite				
Minimum: ½" x 2' x 4'	Duro-Last #14	[1]	2	1:4 ft ²
Minimum: ½" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Vapor Retarders: (Optional) Any UL or FMRC approved vapor barrier.

Barrier Sheet: (Optional) Atlas Energy Products FR-10®, FR-50®, ¼" Dens Deck, ½" thick UL Classification type X gypsum with a moisture resistant facer and core, Foamfold, or a second sheet of barrier board may be used over the insulation (see General Limitation #1).

Membrane with 28" tabs: Duro-Last® membrane shall be mechanically attached at its 3" tabs, spaced every 28" with Duro-Last Concrete Nails, Duro-Last Screws (#14),, Duro-Last Concrete Screws (#14) with Duro-Last 2 in. Poly-Plates® spaced 18" o.c. maximum, through the insulation and into the deck.

Membrane with 60" tabs: Duro-Last® membrane shall be mechanically attached at its 3" tabs, spaced every 60" with Duro-Last Concrete Nails, Duro-Last Screws (#14),, Duro-Last Concrete Screws (#14), and Duro-Last 2 in Poly-Plates® spaced 6" o.c. maximum, through the insulation and into the deck.

Membrane with 120" tabs: Duro-Last® membrane shall be mechanically attached at its minimum 3" tabs, spaced every 120" with Duro-Last Concrete Nails, Duro-Last Screws (#14),, Duro-Last Concrete Screws (#14), with Duro-Last 2 in. Poly-Plates® spaced at 6" o.c. maximum, through the insulation and into the deck.

Maximum Design Pressure: -52.5 psf (see General Limitation #7)



Deck Type 3I: Concrete Decks, Insulated, New Construction, Reroof

Deck Description: 2500-psi structural concrete

System Type D (1): All insulation is loose laid with preliminary attachment to roof deck. Membrane is mechanically fastened through insulation.

Note: All General Limitations shall apply to this system.

<u>Insulation Base Layer</u>	<u>Fastener Type</u>	<u>Fastening Detail No.</u>	<u>Fasteners Per Board</u>	<u>Fastener Density</u>
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AC FOAM I, AC FOAM II, AC FOAM SUPREME, Pyrox, E'NRG'Y II, PSI-25, UltraGard Gold, UltraGard Premier, Firestone ISO-95 GW, ES Foam I, Hunter Panel, High Density Wood Fiber, Extruded or Expanded Polystyrene

Minimum: ½" x 4' x 4'	Duro-Last #14	[3]	4	1:4 ft ²
Minimum: ½" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²

Perlite

Minimum: ½" x 2' x 4'	Duro-Last #14	[1]	2	1:4 ft ²
Minimum: ½" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Vapor Retarders: (Optional) Any UL or FMRC approved vapor barrier.

Barrier Sheet: (Optional) Atlas Energy Products FR-10®, FR-50®, ¼" Dens Deck, ½" thick UL Classification type X gypsum with a moisture resistant facer and core, Foamfold, or a second sheet of barrier board may be used over the insulation (see General Limitation #1).

Note: This system is approved to a maximum design pressure of -75 psf. No substitution shall be made:

Membrane with 28" tabs: Duro-Last membrane shall be mechanically attached at its 3" tabs, spaced every 28" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) and Poly plates spaced 12" o.c. maximum, through the insulation and into the deck.

Maximum Design Pressure: -75 psf (See Limitation #7)



Deck Type 3I: Concrete Decks, Insulated, New Construction, Reroof
Deck Description: 2500-psi structural concrete
System Type D(2): All insulation is loose laid with preliminary attachment to roof deck. Membrane is mechanically fastened through insulation.

Note: All General Limitations shall apply to this system.

<u>Insulation Base Layer</u>	<u>Fastener Type</u>	<u>Fastening Detail No.</u>	<u>Fasteners Per Board</u>	<u>Fastener Density</u>
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AC FOAM I, AC FOAM II, AC FOAM SUPREME, Pyrox, E'NRG'Y II, PSI-25, UltraGard Gold, UltraGard Premier, Firestone ISO-95 GW, ES Foam I, Hunter Panel, High Density Wood Fiber, Extruded or Expanded Polystyrene

Minimum: 1/2" x 4' x 4'	Duro-Last #14	[3]	4	1:4 ft ²
Minimum: 1/2" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²

Perlite

Minimum: 1/2" x 2' x 4'	Duro-Last #14	[1]	2	1:4 ft ²
Minimum: 1/2" x 4' x 8'	Duro-Last #14	[*]	5	1:6.4 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Vapor Retarders: (Optional) Any UL or FMRC approved vapor barrier.
Barrier Sheet: (Optional) Atlas Energy Products FR-10®, FR-50®, 1/4" Dens Deck, 1/2" thick UL Classification type X gypsum with a moisture resistant facer and core, Foamfold, or a second sheet of barrier board may be used over the insulation (see General Limitation #1).

Note: This system is approved to a maximum design pressure of -105 psf. No substitution shall be made:

Membrane with 28" tabs: Duro-Last membrane shall be mechanically attached at its 3" tabs, spaced every 28" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) and Poly plates spaced 6" o.c. maximum, through the insulation and into the deck.

Maximum Design Pressure: -105 psf (See Limitation #7)



Frank Zuloaga, RRC
 Roofing Product Control Examiner

Deck Type 3: Concrete Decks, Non-Insulated, New Construction, Reroof

Deck Description: 2500-psi structural concrete

System Type E(1): Membrane mechanically attached to roof deck.

Note: All General Limitations shall apply to this system.

Vapor Retarders: (Optional) Any UL or FMRC approved vapor barrier.

Barrier Sheet: (Optional) Atlas Energy Products FR-10®, FR-50®, ¼" Dens Deck, ½" thick UL Classification type X gypsum with a moisture resistant facer and core, Foamfold, or a second sheet of barrier board may be used over the insulation (see general limitations #1).

Membrane with 28" tabs: Duro-Last® membrane shall be mechanically attached at its 3" tabs, spaced every 28" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) with Duro-Last 2 in. Poly-Plates® spaced 18" o.c. maximum, through the insulation and into the deck.

Membrane with 60" tabs: Duro-Last® membrane shall be mechanically attached at its 3" tabs, spaced every 60" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) with Duro-Last 2 in. Poly-Plates® spaced 6" o.c. maximum, through the insulation and into the deck.

Membrane with 120" tabs: Duro-Last® membrane shall be mechanically attached at its minimum 3" tabs, spaced every 120" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) with Duro-Last 2 in. Poly-Plates® spaced at 6" o.c. maximum through the installation and into the deck.

Maximum Design Pressure: -52.5 psf (see General Limitation #7)



Deck Type 3: Concrete Decks, Non-Insulated, New Construction, Reroof

Deck Description: 2500-psi structural concrete

System Type E (2): Membranes and /or anchor sheet is mechanically attached to roof deck. (Non insulated systems)

Note: All General Limitations shall apply to this system.

Vapor Retarders: (Optional) Any UL or FMRC approved vapor barrier.

Barrier Sheet: (Optional) Atlas Energy Products FR-10®, ¼" Dens Deck, ½" thick UL Classification type X gypsum with a moisture resistant facer and core, Foamfold, or a second sheet of barrier board may be used over the insulation (see general limitations #4).

Note: This system is approved to a maximum design pressure of -75 psf. No substitution shall be made:

Membrane with 28" tabs: Duro-Last membrane shall be mechanically attached at its 3" tabs, spaced every 28" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) and Poly plates spaced 12" o.c. maximum, through the insulation and into the deck.

Maximum Design Pressure: -75 psf (See Limitation #7)



Deck Type 3: Concrete Decks, Non-Insulated, New Construction, Reroof

Deck Description: 2500-psi structural concrete

System Type E (2): Membranes and /or anchor sheet is mechanically attached to roof deck. (Non insulated systems)

Note: All General Limitations shall apply to this system.

Vapor Retarders: (Optional) Any UL or FMRC approved vapor barrier.

Barrier Sheet: (Optional) Atlas Energy Products FR-10®, ¼" Dens Deck, ½" thick UL Classification type X gypsum with a moisture resistant facer and core, Lydall Manning Manniglas 1200®, Foamfold, or a second sheet of barrier board may be used over the insulation (see general limitations #4).

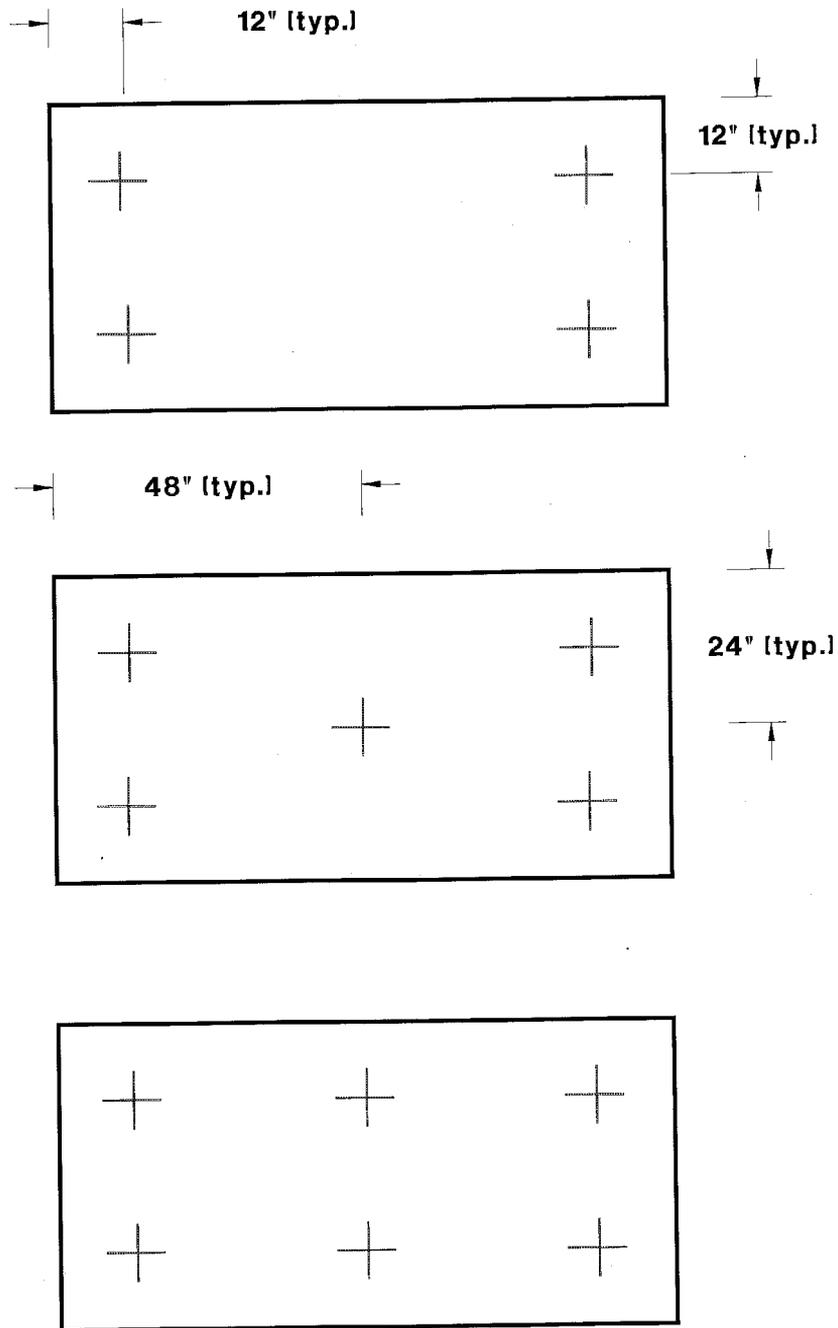
Note: This system is approved to a maximum design pressure of -75 psf. No substitution shall be made:

Membrane with 28" tabs: Duro-Last membrane shall be mechanically attached at its 3" tabs, spaced every 28" with Duro-Last Concrete Nails, Duro-Last Screws (#14), Duro-Last Concrete Screws (#14) and Poly plates spaced 6" o.c. maximum, through the insulation and into the deck.

Maximum Design Pressure: -105 psf (See Limitation #7)



Detail Drawing
Fastener detail for 4' x 8' insulations boards
Detail No. *



GENERAL LIMITATIONS:

- 1 Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- 2 Insulation may be applied in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer.
- 3 All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
- 4 An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet may be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
- 5 Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with TAS 105. If the fastener value, as field-tested, is below 275 lbf., insulation attachment shall not be acceptable.
- 6 Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within the specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer or Architect may be submitted. Said revised fastener spacing utilize the withdrawal resistance value taken from Testing Application Standard TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
- 7 Perimeter and corner areas shall comply with the enhanced uplift pressure of these areas, as calculated in compliance with applicable Building Code. Fastener densities shall be increase for both insulation and base sheet as needed calculated in compliance with Roofing Application Standard RAS 117. **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
- 8 All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.
- 9 The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). No rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners, and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**



Frank Zuloaga, RRC
Roofing Product Control Examiner

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

- 1 Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
- 2 Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
- 3 Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
- 4 Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
- 5 Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process;
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
- 6 The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
- 7 A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The copies need not be resealed by the engineer.
- 8 Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
- 9 This Acceptance contains pages 2 through 14.

END OF THIS ACCEPTANCE

