# KAYCAN LTD

# D4.5 OCEAN PARK & D5 DUTCHLAP ELEGANCE VINYL (PVC) SIDING

## INSTALLATION ANCHORAGE DETAILS

**GENERAL NOTES:**

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2006 INTERNATIONAL BUILDING CODE WITH TEXAS REVISIONS AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS REVISIONS AT THE DESIGN PRESSURES STATED HEREIN. IMPACT TESTING IS NOT RQUIRED FOR SIDING INSTALLED OVER 5/8" PLYWOOD BY 2X STUDS.

2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED ARCHITECTURAL TESTING REPORT ATI #55980.03-122-18, ATI #55980.04-122-18 AND ATI #55983.01-106-18, INCLUDING ASSOCIATED LABORATORY STAMPED DRAWING TO THE FOLLOWING:
   - 2.1. WIND RESISTANCE LOADING: STATIC LOADING AT 1.5 X DESIGN PRESSURSES AND DYNAMIC LOADING AT DESIGN PRESSURES SHOWN IN TABLE ON THIS SHEET.
   - 2.2. VINYL SIDING CONFORMANCE TO ASTM D3679.

3. ADEQUACY OF THE EXISTING STRUCTURAL WOOD FRAMING COMPRISING THE ATTACHMENT SUBSTRATE FOR THE SIDING SHALL BE DETERMINED TO BE CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THAT STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD FOR THE PROJECT.

4. SUBSTRATES RECEIVING VINYL SIDING SHALL BE CHECKED FOR STRUCTURAL INADEQUACY, CRACKS OR DEFECTS THAT SHALL BE ELIMINATED.

5. INSTALLATION OF SIDING ACCESSORIES AND ACCESSORIES SUCH AS CORNER POSTS, STARTER STRIPS, AND TRIM AROUND OPENINGS SHALL BE DONE IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING CODE WITH TEXAS REVISIONS AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS REVISIONS AND THE MANUFACTURER'S INSTRUCTIONS.

6. SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING EVALUATION BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.

7. WALLS WHERE VINYL SIDING SHALL BE INSTALLED SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, ARCHITECT OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY AND IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING CODE WITH TEXAS REVISIONS AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS REVISIONS.

8. WALLS WHERE VINYL SIDING SHALL BE INSTALLED MUST HAVE A WATER-RESISTIVE BARRIER MEETING THE REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE W/TEXAS REVISIONS, SECTION 1404.2 AND 2006 INTERNATIONAL RESIDENTIAL CODE W/TEXAS REVISIONS, SECTION R703.2.

**INSTALLATION NOTES:**

1. ANCHORS SHALL BE THE TYPE, SIZE, EMBEDMENT AND EDGE DISTANCE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE.

2. INSTALLATION ANCHORS SHALL BE AS SHOWN ON THE "WOOD FRAME INSTALLATION" SECTIONS ON SHEETS 3 AND 4.

3. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).

4. FASTENING OF SIDING TO STRUCTURAL WOOD SHEATHING SHALL USE THE FOLLOWING AS MINIMUMS:
   - 4.1. D4.5 OCEAN PARK,
     - 4.1.1. SUBSTRATE SHALL BE APA RATED PS1 1/2" PLYWOOD.
     - 4.1.2. USE 0.12" DIAMETER x 1-1/2" LONG RING SHANK ROOFING NAIL WITH 3/8" DIAMETER HEAD ON MAXIMUM 8" CENTERS.
   - 4.2. D5 DUTCHLAP ELEGANCE,
     - 4.2.1. SUBSTRATE SHALL BE APA RATED PS2 7/16" OSB OR APA RATED PS1 7/16" PLYWOOD.
     - 4.1.2. USE 0.14" DIAMETER x 1-1/2" LONG RING SHANK ROOFING NAIL WITH 0.40" DIAMETER HEAD ON MAXIMUM 16" CENTERS AT FRAMING STUDS

5. ALL FASTENERS SHALL HAVE CORROSION RESISTANT COATINGS OR BE MADE OF CORROSION RESISTANT MATERIALS COMPATIBLE WITH THE SUBSTRATE MATERIALS.

6. WALL STUDS AND STRUCTURAL WOOD SHEATHING SHALL HAVE A MINIMUM SPECIFIC GRAVITY OF 0.40.

**VINYL SIDING SPECIFICATIONS:**

1. KAYCAN BUILDING PRODUCTS VINYL SIDING IS MANUFACTURED FROM A FORMULATED PVC POWDER COMPOUND MEETING THE SPECIFICATIONS OF ASTM D3679.

2. WALL THICKNESS:
   - 2.1 D4.5: 0.050" MIN.
   - 2.2 D5: 0.047" MIN.

3. PANEL LENGTHS:
   - 3.1. D4.5 AND D5 ARE 12' - 0" LONG

### TABLE OF CONTENT


| SHEET | DESCRIPTION |
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| 1 | GENERAL/INSTALLATION NOTES, SIDING SPEC. AND D.P. CHART |
| 2 | COMPONENTS AND BILL OF MATERIALS |
| 3 | VERTICAL INSTALLATION CROSS SECTION |


### DESIGN PRESSURE (PSF) RATING

| SIDING MODEL | DESIGN PRESSURE (PSF) RATING |
|---|---|
| D4.5 OCEAN PARK | -35.0 |
| D5 DUTCHLAP ELEGANCE | -68.0 |

PROJECT #414-0408

| REV | DESCRIPTION | DATE | BY |
|---|---|---|---|
| A | REVISE D5 DESIGN PRESSURE & DETAILS | 5/7/14 | RJA |

KAYCAN LTD.
1 MEMORIAL DRIVE
RICHFORD, VT 05476

TITLE: D4.5 OCEAN PARK AND D5 ELEGANCE VINYL (PVC) SIDING GENERAL/INSTALLATION NOTES, SIDING SPEC. AND D.P. CHART

DRAWN BY: RJA | DATE: 02/04/13
SCALE: N.T.S. | DRAWING NO: KAY0004
REV: A | SHEET: 1 OF 3

PREPARED BY:


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4/2/15

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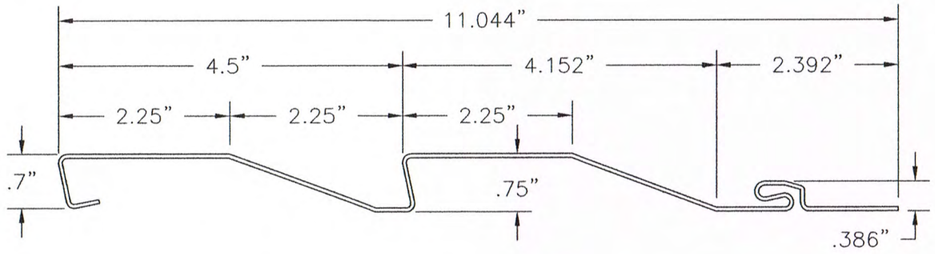
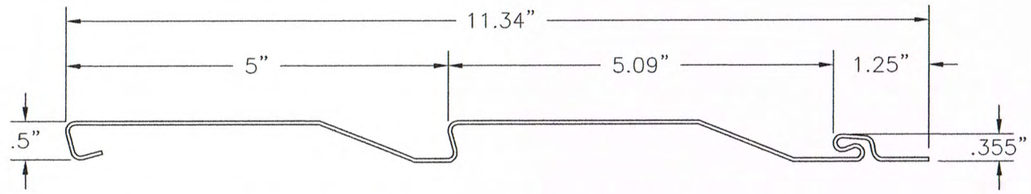
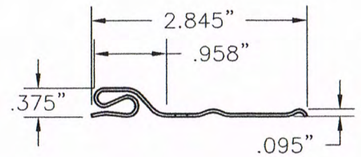


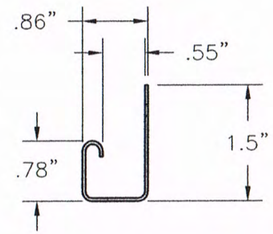

1 D4.5 OCEAN PARK SIDING
EXTRUDED VINYL (PVC) 0.050" THICK




2 D5 DUTCHLAP ELEGANCE SIDING
EXTRUDED VINYL (PVC) 0.047" THICK




3 STARTER STRIP
EXTRUDED VINYL (PVC)
0.040" THICK




4 J-CHANNEL
EXTRUDED VINYL (PVC)
0.040" THICK

## BILL OF MATERIALS

| ITEM | DESCRIPTION | MATERIAL |
|---|---|---|
| 1 | KAYCAN D4.5 OCEAN PARK SIDING | VINYL (PVC) |
| 2 | KAYCAN D5 DUTCHLAP ELEGANCE SIDING | VINYL (PVC) |
| 3 | KAYCAN STARTER STRIP | VINYL (PVC) |
| 4 | KAYCAN J-CHANNEL | VINYL (PVC) |
| 5 FOR D4.5 SIDING | 0.12" DIA. x 1-1/2" LONG RING SHANK ROOFING NAIL WITH 3/8" DIA. HEAD MIN. | GALV. STEEL OR STAINLESS STEEL |
| 5 FOR D5 SIDING | 0.14" DIA. x 1-1/2" LONG RING SHANK ROOFING NAIL WITH 0.40" DIA. HEAD MIN. | GALV. STEEL OR STAINLESS STEEL |

PROJECT #414-0408

| REV | DESCRIPTION | DATE | BY |
|---|---|---|---|
| A | REVISE D5 DESIGN PRESSURE & DETAILS | 5/7/14 | RJA |

KAYCAN LTD.
1 MEMORIAL DRIVE
RICHFORD, VT 05476

TITLE: D4.5 OCEAN PARK AND D5 ELEGANCE VINYL (PVC) SIDING COMPONENTS AND BILL OF MATERIALS

DRAWN BY: RJA | DATE: 02/04/13
SCALE: N.T.S. | DRAWING NO: KAY0004
REV: A | SHEET: 2 OF 3

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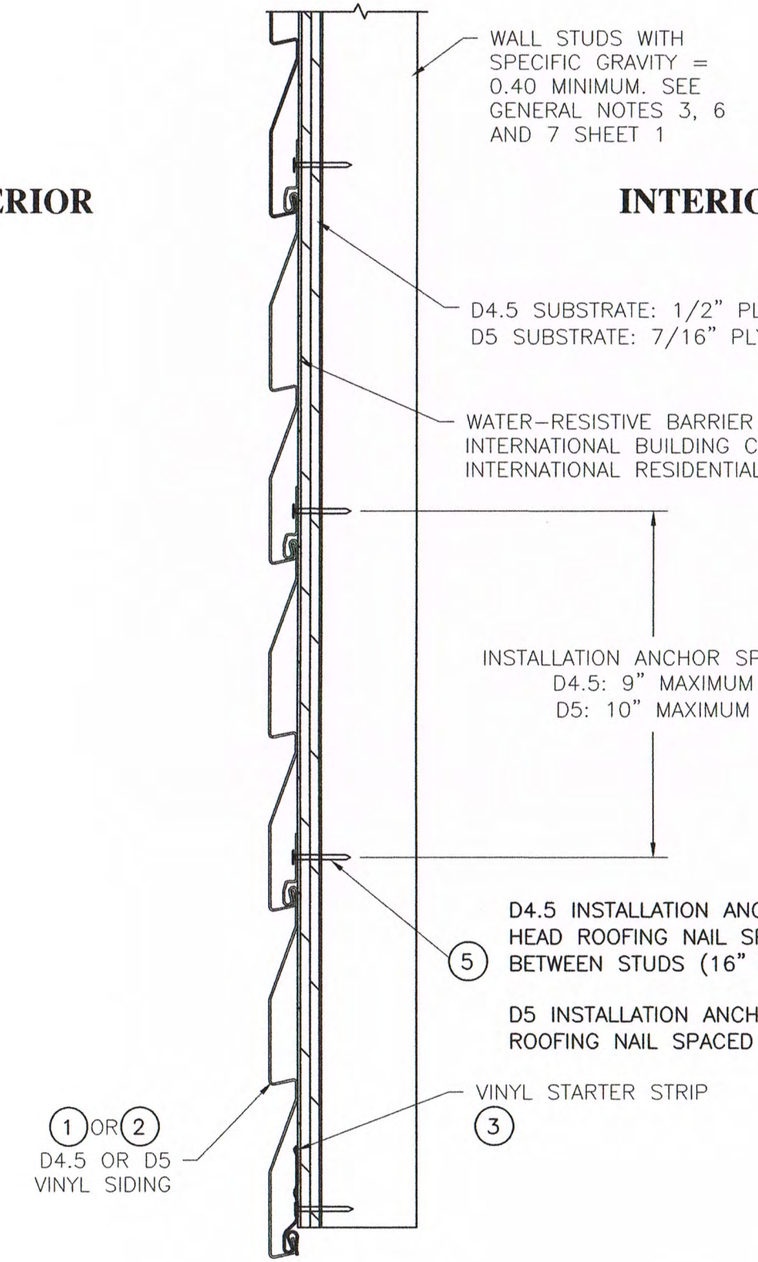
**EXTERIOR**

**INTERIOR**




## VERTICAL INSTALLATION CROSS SECTION

| REV | DESCRIPTION | DATE | BY |
|---|---|---|---|
| A | REVISE D5 DESIGN PRESSURE & DETAILS | 5/7/14 | RJA |

PROJECT #414-0408

KAYCAN LTD.
1 MEMORIAL DRIVE
RICHFORD, VT 05476

TITLE: D4.5 OCEAN PARK AND D5 ELEGANCE VINYL (PVC) SIDING VERTICAL INSTALLATION CROSS SECTION

DRAWN BY: RJA | DATE: 02/04/13
SCALE: N.T.S. | DRAWING NO: KAY0004
REV: A | SHEET: 3 OF 3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