The following details can be downloaded in a Revit format:

https://bimobject.com/DELTA-VENT-SA

Wall Assembly 1 - Steel Frame
Less Than 2 Inches of Exterior Insulation - Light Cladding
WALL ASSEMBLY #1:
TYPICAL BASE OF WALL AT FOUNDATION

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

6" steel stud
famed wall

1/2" exterior
gypsum board
sheathing

6" R24 ROXUL
COMFORTBATT
insulation to fill stud
space

6mil. polyethylene
vapour control layer

1 1/2" xps insulation

DELTAs-DRAIN
profile

DELTAs-MULTI-BAND

DELTAs-DRAIN
c/w integral
geotextile fabric

Waterproofing
membrane

lath

insect screen

Drain holes

DELTAs-VENT SA
fully-adhered air and water
resistive barrier

1 1/2" fiberglass
thermal spacer fastened to
stud c/w galvanized vertical z-girt

6" steel stud
framed wall

2" R6 ROXUL
CAVITYROCK MD insulation

1 1/2" fiberglass thermal
spacer fastened to studs c/w

DELTA®-FLEXX-BAND
transition membrane

DELTAs-DRY STUCCO
& STONE c/w stucco
finish

1/2" composite metal
cladding system fastened to
z-girts

NOTE:
DELTA®-FLEXX-BAND patch
installed at penetrations to
seal around fasteners.
WALL ASSEMBLY #1:  
TYPICAL CLADDING ATTACHMENT AT FLOOR

1/2" exterior gypsum board sheathing  
6" R24 ROXUL COMFORTBATT insulation to fill stud space  
6" steel stud framed wall

NOTE:  
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

background rod and sealant joint

6mil. polyethylene vapour control layer  
6" steel stud framed wall  
6" R24 ROXUL COMFORTBATT insulation to fill stud space

composite metal panel cladding system fastened to z-girts

1 1/2" R6 ROXUL CAVITYROCK MD insulation

DELTA®-FLEXX-BAND transition membrane

1 1/2" fiberglass thermal spacer fastened to studs c/w galvanized vertical z-girt

DELTA®-VENT SA fully-adhered air and water resistive barrier

DELTA®-FLEXX-BAND transition membrane, held 1/2" back from face of cladding

continuous 24ga galvanized flashing tucked into frame extrusion

drain holes

continuous sloped 24ga galvanized sub-flashing

drain to exterior of gull wing gasket

intermittent clip

DELTA®-VENT SA fully-adhered air and water resistive barrier

DELTA®-FLEXX-BAND transition membrane

backer rod for membrane support

STUBTANTIAL EFFORT HAS BEEN MADE TO ENSURE THAT THE INFORMATION IN THIS DETAIL DRAWING IS ACCURATE. DÖRKEN SYSTEMS INC. AND RDH BUILDING SCIENCE LABORATORIES CANNOT ACCEPT RESPONSIBILITY FOR ANY ERRORS OR OVERSIGHTS IN THE USE OF THIS MATERIAL OR IN THE PREPARATION OF ARCHITECTURAL OR ENGINEERING PLANS. THE DESIGN PROFESSIONAL MUST RECOGNIZE THAT NO DESIGN DETAIL CAN SUBSTITUTE FOR EXPERIENCED ENGINEERING AND PROFESSIONAL JUDGEMENT.
6mil. polyethylene vapour control layer

6" steel stud framed wall

6" R24 ROXUL COMFORTBATT insulation to fill stud space

NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

double glazed aluminum curtain wall assembly

backer rod and DELTA®-TILAXX sealant joint from window frame to membrane for air continuity

continuous backer rod and sealant joint from window frame to DELTA®-TILAXX sealant

exterior gypsum board sheathing

DELTA®-FLEXX-BAND transition membrane

1 1/2" fiberglass thermal spacer fastened to studs c/w galvanized vertical z-girt

1 1/2" R6 ROXUL CAVITYROCK MD insulation

DELTA®-VENT SA fully-adhered air and water resistive barrier

composite metal panel cladding system fastened to z-girts

DELTA®-FLASHING membrane

composite metal panel closure c/w 3/8" Ø drain holes @ 12" o.c., end caps (dashed "x") and 1/2" rod and sealant joint

6" steel stud framed wall

DELTA®-FLEXX-BAND transition membrane

NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

6" R24 ROXUL COMFORTBATT insulation to fill stud space

NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

6" R24 ROXUL COMFORTBATT insulation to fill stud space

NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

6" R24 ROXUL COMFORTBATT insulation to fill stud space

NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
1/2" exterior gypsum board sheathing

6mil. polyethylene vapour control layer

1/2" fiberglass thermal spacer

1 1/2" R6 CAVITYROCK MD insulation

6" R24 ROXUL COMFORTBATT insulation to fill stud space

blocking to suit gypsum board return or interior trim

DELTA®-VENT SA fully-adhered air and water resistive barrier

1 1/2" galvanized vertical z-girt

DELTA®-VENT SA joint from window frame to membrane for air and thermal continuity

continuous backer rod and sealant

DELTA®-TILAXX sealant

joint from window frame to membrane for air and thermal continuity

double glazed curtain wall assembly

pre-finished sill flashing below

6mil. polyethylene vapour control layer

backer rod and

DELTA®-TILAXX sealant

joint from window frame to membrane for air and thermal continuity

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
double glazed aluminum curtain wall assembly

blocking to suit gypsum board return or interior trim

6mil. polyethylene vapour control layer

1/2" exterior gypsum board sheathing

6" R24 ROXUL COMFORTBATT insulation to fill stud space

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

backer rod and sealant joint

6mil. polyethylene vapour control layer

6" R24 ROXUL COMFORTBATT insulation to fill stud space

Pre-finished sill flashing c/w clips and end dams

insect screen

intermittent clip

DELTA®-FLASHING membrane to extend onto throat of curtainwall, terminate membrane in DELTA®-TILAXX sealant

DELTA®-VENT SA fully-adhered air and water resistive barrier

composite metal panel cladding system fastened to z-girts

1 1/2" R6 ROXUL CAVITYROCK MD insulation

DELTA®-FLEXX-BAND transition membrane

1 1/2" fiberglass thermal spacer fastened to studs c/w galvanized vertical z-girt

DELTA®-VENT SA fully-adhered air and water resistive barrier

DELTA®-FLEXX-BAND transition membrane

backer rod for membrane support

composite metal panel cladding system fastened to z-girts

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

6" R24 ROXUL COMFORTBATT insulation to fill stud space

WALL ASSEMBLY #1: TYPICAL CURTAIN WALL SILL

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6" steel stud framed wall

6mil. polyethylene vapour control layer

1/2" exterior gypsum board sheathing

DELTA®-THAN sealant and backer rod around penetration from interior

6" R24 ROXUL COMFORTBATT insulation to fill stud space

composite metal panel cladding system fastened to z-girts

1 1/2" R6 ROXUL CAVITYROCK MD insulation

DELTA®-FLEXX-BAND transition membrane

1 1/2" fiberglass thermal spacer fastened to studs c/w galvanized vertical z-girt

sealant

metal escutcheon

backer rod and sealant

6" R24 ROXUL COMFORTBATT insulation to fill stud space

1 1/2" fiberglass thermal spacer fastened to studs c/w galvanized vertical z-girt

sealant

metal escutcheon

backer rod and sealant

NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
backer rod and sealant joint

1/2" exterior gypsum board sheathing

6" R24 ROXUL COMFORTBATT insulation to fill stud space

6mil. polyethylene vapour control layer

blocking to suit gypsum board return or interior trim

backer rod and DELTA®-TILAXX sealant joint from window frame to membrane for air continuity

fill void with insulation

double glazed aluminum, thermally broken window

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

composite metal panel cladding system fastened to z-girts

1 1/2" R6 ROXUL CAVITYROCK MD insulation

DELTA®-VENT SA fully-adhered air and water resistive barrier

DELTA®-FLEXX-BAND transition membrane

backer rod for membrane support

composite metal panel cladding system fastened to z-girts

1 1/2" fiberglass thermal spacer fastened to studs c/w galvanized vertical z-girt

DELTA®-FLEXX-BAND transition membrane

DELTA®-VENT SA fully-adhered air and water resistive barrier

composite metal panel closure c/w 3/8" Ø drain holes @ 12" o.c., end caps (dashed "x") and 1/2" rod and sealant joint

continuous backer rod and DELTA®-TILAXX sealant

DELTA®-FLASHING membrane

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

TITLE:
WALL ASSEMBLY #1:
TYPICAL PUNCHED WINDOW HEAD
WALL ASSEMBLY #1:
TYPICAL PUNCHED WINDOW JAMB

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

DELTA®-VENT SA
---
pre-finished sill flashing below
continuous backer rod and sealant
composite metal panel jamb closure

DELTA®-FLASHING membrane to extend onto curtainwall throat and lap over DELTA®-VENT SA
---
fill void with insulation
double glazed aluminum, thermally broken window
backer rod and DELTA®-TILAXX sealant
green line joint from window frame to membrane for air and thermal continuity

1 1/2" fiberglass thermal spacer
---
6mil. polyethylene vapour control layer

6" R24 ROXUL COMFORTBATT insulation to fill stud space
---
1 1/2" exterior gypsum board sheathing

DELTA®-FLEXX-BAND transition membrane
---
composite metal panel cladding system

1 1/2" galvanized vertical z-girt

DELTA®-VENT SA
---
fully-adhered air and water resistive barrier

1 1/2" R6 ROXUL CAVITYROCK MD insulation
---
blocking to suit gypsum board return or interior trim

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

TRIM:
---
DELTA®-VENT SA
---
DELTA®-FLEXX-BAND transition membrane
---
pre-finished sill flashing below
continuous backer rod and sealant
composite metal panel jamb closure

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**DELTA®-TILAXX**

Sealant joint from window frame to membrane/angle for air continuity.

**continuous metal angle**

**block**

gypsum board return or interior trim

**intermittent plastic shims** @ 12" o.c. (thickness as req'd / min.)

**6mil. polyethylene vapour control layer**

**6" R24 ROXUL COMFORTBATT insulation to fill stud space**

**1/2" exterior gypsum board sheathing**

**6" steel stud framed wall**

**double glazed aluminum, thermally broken window**

**sealant**

Pre-finished sill flashing c/w clips and end dams

**insect screen**

**DELTA®-FLASHING**

membrane to extend into rough opening and up and over metal angle

**intermittent clip**

**DELTA®-FLEXX-BAND**

transition membrane

1 1/2" fiberglass thermal spacer fastened to studs c/w galvanized vertical z-girt

**DELTA®-VENT SA**

fully-adhered air and water resistive barrier

1 1/2" R6 ROXUL CAVITYROCK MD insulation

**composite metal panel cladding system fastened to z-girts**

**NOTE:**

DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.