The following details can be downloaded in a Revit format:

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

Wall Assembly 3 - Steel Frame
Less Than 2 Inches of Exterior Insulation - Heavy Cladding
6mil. polyethylene vapour control layer
1/2" exterior gypsum board sheathing
6" R24 ROXUL COMFORTBATT insulation to fill stud space
6mil. polyethylene vapour control layer
1/2" exterior gypsum board sheathing
6mil. polyethylene vapour control layer
R21 ROXUL COMFORTBATT insulation to fill stud space
1/2" exterior gypsum board sheathing
following to suit gypsum board return or interior trim
backer rod and sealant joint
precast sill, (anchoring not shown)
DELTA®-FLASHING membrane to extend onto throat of curtainwall, terminate membrane in DELTA-TILAXX sealant
DELTA®-FLEXX-BAND transition membrane
DELTA®-VENT SA fully-adhered air and water resistive barrier
1 1/2" R6 ROXUL CAVITYROCK MD insulation
1" drainage gap
brick veneer
DELTA®-VENT SA fully-adhered air and water resistive barrier
DELTA®-FLEXX-BAND transition membrane
backer rod for membrane support
Brick-tie with (optional) insulation retention washer
NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
6" steel stud framed wall

1/2" exterior gypsum board sheathing

6" R24 ROXUL COMFORTBATT insulation to fill stud space

6mil. polyethylene vapour control layer

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

Steel stud framed wall

1/2" drainage gap

1 1/2" R6 ROXUL CAVITYROCK MD insulation

DELTA®-FLEXX-BAND transition membrane

Brick-tie with (optional) insulation retention washer

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

vent & drain @ 24" o.c.

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

DELTA®-DRY STUCCO & STONE c/w stucco finish

lath

Waterproofing membrane

MIN. 2% slope

DELTA®-DRAIN c/w integral geotextile fabric

MIN. 6mil. polyethylene vapour control layer

6" drainage gap

1 1/2" drainage gap

1" drainage gap
WALL ASSEMBLY #3: TYPICAL BRICK SHELF ANGLE AT STUD WALL

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

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

1" drainage gap
brick veneer
DELTA®-FLEX-BAND flexible transition membrane
1 1/2" R6 ROXUL CAVITYROCK MD insulation
DELTA®-VENT SA fully-adhered air and water resistive barrier
DELTA®-FLEX-BAND flexible transition membrane, held 1/2" back from face of brick
vent & drain @ 24" o.c.
stainless steel drip flashing

Shelf angle supported on stand-offs attached to structural beams
DELTA®-VENT SA fully-adhered air and water resistive barrier
DELTA®-FLEXXX-BAND transition membrane
backer rod for membrane support
Brick-tie with (optional) insulation retention washer
DELTA®-FLEXXX-BAND transition membrane

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.

6" R24 ROXUL COMFORTBATT insulation to fill stud space
1 1/2" R6 ROXUL CAVITYROCK MD insulation
DELTA®-VENT SA fully-adhered air and water resistive barrier
DELTA®-FLEX-BAND flexible transition membrane

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
1/2" exterior gypsum board sheathing
R21 ROXUL COMFORTBATT insulation to fill stud space
1 1/2" ROXUL CAVITYROCK insulation
1 1/2" drainage gap
brick veneer
1" drainage gap
DELTA®-VENT SA fully-adhered air and water resistive barrier
DELTA®-FLEXX-BAND flexible transition membrane
DELTA®-TILAXX sealant
DELTA®-FLASHING membrane
DELTA®-FLEXX-BAND flexible transition membrane, held 1/2" back from face of brick
vent & drain @ 24" o.c.
stainless steel drip flashing
Shelf angle supported on stand-offs attached to structural beams
continuous backer rod and DELTA®-TILAXX sealant
DELTA®-FLASHING membrane to extend onto throat of curtainwall, terminate membrane in DELTA®-TILAXX sealant
double glazed aluminum curtain wall assembly
NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

WALL ASSEMBLY #3: TYPICAL CURTAIN WALL HEAD

TITLE:

DRAWN BY: DÖRKEN SYSTEMS INC. & RDH BUILDING SCIENCE LABORATORIES

4655 DELTA WAY BEAMSVILLE, ON, L0R 1B4 CANADA
1-888-433-5824 or 1-905-563-3255

SUBSTANTIAL 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.
4" precast concrete sill below pre-finished sill flashing below continuous backer rod and sealant double glazed aluminum curtain wall assembly

6" R24 ROXUL COMFORTBATT insulation to fill stud space
6mil. polyethylene vapour control layer
DELTA®-FLASHING membrane to extend onto curtainwall throat and lap over DELTA®-VENT SA

blocking to suit gypsum board return or interior trim
backer rod and DELTA®-TILAXX sealant joint from window frame to membrane for air & thermal continuity

pre-finished sill flashing below
continuous backer rod and sealant
precast concrete sill below

NOTE: DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
2" DELTA®-FLEXX-BAND transition membrane installed in two pieces, bottom first and then top.

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

6mil. polyethylene vapour control layer

1/2" exterior gypsum board sheathing

6" steel stud framed wall

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

R21 ROXUL COMFORTBATT insulation to fill stud space

1" drainage gap

1 1/2" R6 CAVITYROCK MD insulation

brick veneer

continuous backer rod and sealant

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

NOTE:
DELTA®-FLEXX-BAND transition membrane installed in two pieces, bottom first and then top.
NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.

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

1 1/2" R6 CAVITYROCK MD insulation

DELTA®-FLEXX-BAND transition membrane

1/2" exterior gypsum board sheathing

DELTA®-VENT SA

6" R24 ROXUL COMFORTBATT MD insulation to fill stud space

6mil. polyethylene vapour control layer

 Delta®-FLASHING membrane to extend from rough opening and lap over DELTA®-VENT SA

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

fill void with insulation
double glazed aluminum, thermally broken window

pre-finished sill flashing below
continuous backer rod and sealant

precast concrete sill below

blocking to suit gypsum board return or interior trim

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

6mil. polyethylene vapour control layer

DELTA®-FLASHING membrane to extend from rough opening and lap over DELTA®-VENT SA

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

fill void with insulation
double glazed aluminum, thermally broken window

pre-finished sill flashing below
continuous backer rod and sealant

precast concrete sill below

blocking to suit gypsum board return or interior trim
WALL ASSEMBLY #3:
TYPICAL PUNCHED WINDOW SILL
Waterproofing membrane to lap from roof membrane, up over parapet and onto DELTA®-VENT SA

1" drainage gap

1 1/2" R6 CAVITYROCK MD insulation

DELTA®-FLEXX-BAND transition membrane

Brick-tie with (optional) insulation retention washer

DELTA®-FLEXX-BAND transition membrane

brick veneer

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

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

2 ply SBS roof membrane

4" R15 ROXUL TOPROCK DD insulation

6mil. polyethylene vapour control layer

6" R24 ROXUL COMFORTBATT insulation to fill stud space

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.

air and vapour control layer

6" R24 ROXUL COMFORTBATT insulation to fill stud space

backer rod and sealant joint

2 ply SBS roof membrane

4" R15 ROXUL TOPROCK DD insulation

4" R15 ROXUL TOPROCK DD PLUS insulation, joints offset and staggered

6mil. polyethylene vapour control layer

6" steel stud framed wall

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

substantial 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.