The following details can be downloaded in a Revit format:

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

Wall Assembly 6 - Concrete Frame Less Than 2 Inches of Exterior Insulation - Heavy Cladding
1/2" exterior gypsum board sheathing

6" R24 ROXUL COMFORTBATT insulation to fill stud space

1 1/2" R6 ROXUL CAVITYROCK MD insulation

Flexible transition membrane, held 1/2" back from face of brick

Vent & drain @ 24" o.c.

Stainless steel drip flashing

Brick-tie with (optional) insulation retention washer

Shelf angle supported on stand-offs attached to cast-in plates

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

Delta-Flexx-Band transition membrane

6mil. polyethylene vapour control layer

Backer rod for membrane support

6" steel stud framed wall

1" drainage gap

1/2" exterior gypsum board sheathing

6" R24 ROXUL COMFORTBATT insulation to fill stud space

Shelf angle supported on stand-offs attached to cast-in plates

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

Delta-Flexx-Band transition membrane

6mil. polyethylene vapour control layer

Backer rod for membrane support

6" steel stud framed wall

1" drainage gap

Title: Wall Assembly #6: Typical Brick Shelf Angle at Stud Wall
WALL ASSEMBLY #6:
TYPICAL CURTAIN WALL HEAD

6mil. polyethylene vapour control layer

DELTA-VENT SA
fully-adhered air and water resistive barrier
flexible transition membrane,
held 1/2" back from face of brick

1/2" drainage gap

exterior gypsum board sheathing

1 1/2" R6 ROXUL CAVITYROCK MD insulation

DELTA-FLASHING membrane
continuous backer rod and sealant

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

stainless steel drip flashing

vent & drain @ 24" o.c.

Shelf angle supported on stand-offs attached to cast-in plates

6" R24 ROXUL COMFORTBATT insulation to fill stud space

1 1/2" R6 ROXUL CAVITYROCK MD insulation

double glazed aluminum curtain wall assembly

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

6mil. polyethylene vapour control layer

DELTA-FLASHING membrane to extend onto curtainwall throat and lap over DELTA-VENT SA

backer rod and sealant joint from window frame to membrane for air & thermal continuity

double glazed aluminum curtain wall assembly

pre-finished sill flashing below

continuous backer rod and sealant

precast concrete sill below

6" R24 ROXUL COMFORTBATT insulation to fill stud space

1/2" exterior gypsum board sheathing

1 1/2" R6 ROXUL CAVITYROCK MD insulation

blocking to suit gypsum board return or interior trim

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TITLE:
WALL ASSEMBLY #6:
TYPICAL CURTAIN WALL JAMB

DRAWN BY: DORKEN SYSTEMS INC. & RDH BUILDING SCIENCE LABORATORIES
double glazed aluminum, thermally broken window
DELTA-FLASHING membrane to extend into rough opening and up and over metal angle
Pre-finished sill flashing c/w end dams
precast sill, (anchoring not shown)
DELTA-VENT SA fully-adhered air and water resistive barrier
1 1/2" R6 ROXUL CAVITYROCK MD insulation
1" drainage gap
brick veneer
1 1/2" R6 ROXUL CAVITYROCK MD insulation
6" steel stud framed wall
6mil. polyethylene vapour control layer
6" R24 ROXUL COMFORTBATT insulation to fill stud space
1/2" exterior gypsum board sheathing
intermittent plastic shims @ 12" o.c. (thickness as req’d 1/8" min.)
blocking to suit gypsum board return or interior trim
continuous metal angle
sealant joint from window frame to membrane/angle for air continuity
walnut-veneered capstock
brick-tie with (optional) insulation retention washer
wall assembly #6: typical curtain wall sill
WALL ASSEMBLY #6:
TYPICAL CURTAIN WALL SILL

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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

DELTA-THAN sealant and backer rod around penetration from interior

1/2" exterior gypsum board sheathing

6mil. polyethylene vapour control layer

1" drainage gap

1 1/2" R6 ROXUL CAVITYROCK MD insulation

brick veneer

continuous backer rod and sealant

6" R24 ROXUL COMFORTBATT insulation to fill stud space

Brick-tie with (optional) insulation retention washer

WALL ASSEMBLY #6:
TYPICAL PENETRATION

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4" 1/2" double glazed aluminum, thermally broken window

precast concrete sill below

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

1 1/2" R6 ROXUL CAVITYROCK MD insulation

6" R24 ROXUL COMFORTBATT 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 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

1/2" exterior gypsum board sheathing

TITLE:
WALL ASSEMBLY #6:
TYPICAL PUNCHED WINDOW JAMB

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WALL ASSEMBLY #6: TYPICAL PUNCHED WINDOW SILL
Waterproofing membrane to lap from roof membrane, up over parapet and onto DELTA-VENT SA

2 ply SBS roof membrane

4” R15 ROXUL TOPROCK DD insulation

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

2 1/2” exterior gypsum board sheathing

1” drainage gap

1 1/2” R6 ROXUL CAVITYROCK MD insulation

6” R24 ROXUL COMFORTBATT insulation to fill stud space

Brick-tie with (optional) insulation retention washer

6mil. polyethylene vapour control layer

backer rod and sealant joint

6” R24 ROXUL COMFORTBATT insulation to fill stud space

6” steel stud framed wall

PRE-FINISHED PARAPET CAP FLASHING C/W HOOK CLIPS, BOTH SIDES, FOR ATTACHMENT

6” R24 ROXUL COMFORTBATT insulation to fill stud space

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

DELTA-FLEXX BAND transition membrane

backer rod for membrane support

brick veneer

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.