The following details can be downloaded in a Revit format:

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

Wall Assembly 4 - Concrete Frame Less Than 2 Inches of Exterior Insulation - Light Cladding
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

1 1/2" R6 ROXUL CAVITYROCK MD insulation

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

insect screen

drain holes

1 1/2" xps insulation

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

1 1/2" R6 ROXUL CAVITYROCK MD insulation

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

DELTA®-FLEXX-BAND transition membrane

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

insect screen

drain holes

1 1/2" xps insulation

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

WALL ASSEMBLY #4:
TYPICAL BASE OF WALL AT FOUNDATION
WALL ASSEMBLY #4: TYPICAL CURTAIN WALL HEAD

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

1 1/2" R6 ROXUL CAVITYROCK MD insulation

6mil. polyethylene vapour control layer

6" steel stud framed wall

6" R24 ROXUL COMFORTBATT insulation to fill stud space

exterior gypsum board sheathing

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

DELTA®-FLEXX-BAND transition membrane

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

continuous backer rod and 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.

6" R24 ROXUL COMFORTBATT insulation to fill stud space

6mil. polyethylene vapour control layer

1/2" exterior gypsum board sheathing

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

1 1/2" fiberglass thermal spacer

pre-finished sill flashing below

6" R6 CAVITYROCK MD insulation

NOTE:
DELTA®-FLEXX-BAND transition membrane

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

1 1/2" galvanized vertical z-girt

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

double glazed curtain wall assembly

blocking to suit gypsum board return or interior trim

composite metal panel cladding system

1 1/2" fiberglass thermal spacer

composite metal panel jamb closure

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

pre-finished sill flashing below

continuous backer rod and sealant

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

TYPICAL CURTAIN WALL JAMB

WALL ASSEMBLY #4:

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

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NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
WALL ASSEMBLY #4: TYPICAL PENETRATION

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
WALL ASSEMBLY #4: TYPICAL PUNCHED WINDOW HEAD

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

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

DELFLEX-MEMBRANE

double glazed aluminum, thermally broken window

fill void with insulation

1/2" exterior gypsum board sheathing

6" R24 ROXUL COMFORTBATT insulation to fill stud space

6mil. polyethylene vapour control layer

6" steel stud framed wall

blocking to suit gypsum board return or interior trim

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

1 1/2" R6 ROXUL CAVITYROCK MD insulation

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
6" R24 ROXUL COMFORTBATT insulation to fill stud space
6mil. polyethylene vapour control layer
1/2" exterior gypsum board sheathing
DELTAS-FLASHING membrane to extend onto curtainwall throat and lap over DELTA-VENT SA

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

blocking to suit gypsum board return or interior trim
backer rod and DELTA-TILAXX sealant
joint from window frame to membrane for air and thermal continuity
fill void with insulation
double glazed aluminum, thermally broken window
pre-finished sill flashing below
continuous backer rod and sealant
composite metal panel jamb closure

TITLE:
WALL ASSEMBLY #4: TYPICAL PUNCHED WINDOW JAMB

SUBSTANTIAL EFFORT HAS BEEN MADE TO ENSURE THAT THE INFORMATION IN THIS DETAIL DRAWING IS ACCURATE. DÖRKEN SYSTEMS INC. 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.
DELTA®-FLASHING membrane to extend into rough opening and up and over metal angle

6mil. polyethylene vapour control layer

INTERMITTENT PLASTIC SHIMS @ 12" o.c. (thickness as req'd / min.)

continuous metal angle

DELTA®-TILAXX sealant joint from window frame to membrane/angle for air continuity

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

DELTA®-FLEXX-BAND transition membrane

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

6" R24 ROXUL COMFORTBATT insulation to fill stud space

1/2" exterior gypsum board sheathing

1 1/2" R6 ROXUL CAVITYROCK MD insulation

6" steel stud framed wall

intermittent clip

Insect screen

PRE-FINISHED SILL FLASHING c/w clips and end dams

sealant

don double glazed aluminum, thermally broken window

blocking to suit gypsum board return or interior trim

DELTA®-FLEXX-BAND transition membrane

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" R24 ROXUL COMFORTBATT insulation to fill stud space

6mil. polyethylene vapour control layer

INTERMITTENT PLASTIC SHIMS @ 12" o.c. (thickness as req'd / min.)

continuous metal angle

DELTA®-TILAXX sealant joint from window frame to membrane/angle for air continuity

DELTA®-FLASHING membrane to extend into rough opening and up and over metal angle

6" R24 ROXUL COMFORTBATT insulation to fill stud space

1/2" exterior gypsum board sheathing

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

6" steel stud framed wall

intermittent clip

Insect screen

PRE-FINISHED SILL FLASHING c/w clips and end dams

sealant

don double glazed aluminum, thermally broken window

blocking to suit gypsum board return or interior trim

DELTA®-FLEXX-BAND transition membrane

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

NOTE:
DELTA®-FLEXX-BAND patch installed at penetrations to seal around fasteners.
Waterproofing membrane to lap from roof membrane, up over parapet and onto DELTA®-VENT SA

Pre-finished parapet cap flashing c/w hook clips, both sides, for attachment

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

DELTAP®-FLEXX-BAND transition membrane

6" R24 ROXUL COMFORTBATT insulation to fill stud space

composite metal panel cladding system fastened to z-girts

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

Insect screen

6mil. polyethylene vapour control layer

backer rod for membrane support

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

DELTAP®-FLEXX-BAND transition membrane

1½" R6 ROXUL CAVITYROCK MD insulation

6" R24 ROXUL COMFORTBATT insulation to fill stud space

composite metal panel cladding system fastened to z-girts

2" 4" R15 ROXUL TOPROCK DD insulation

6" steel stud framed wall

backer rod and sealant joint

DELTAP®-VENT SA 2 ply SBS roof membrane

4" R16 ROXUL TOPROCK DD PLUS insulation, joints offset and staggered

1/2" exterior gypsum board sheathing

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

6" R24 ROXUL COMFORTBATT insulation to fill stud space

6mil. polyethylene vapour control layer

6" R24 ROXUL COMFORTBATT insulation to fill stud space

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

TYPICAL ROOF TO WALL SECTION

WALL ASSEMBLY #4:

TYPICAL ROOF TO WALL SECTION

DELTAP®

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TITLE:

WALL ASSEMBLY #4:

TYPICAL ROOF TO WALL SECTION