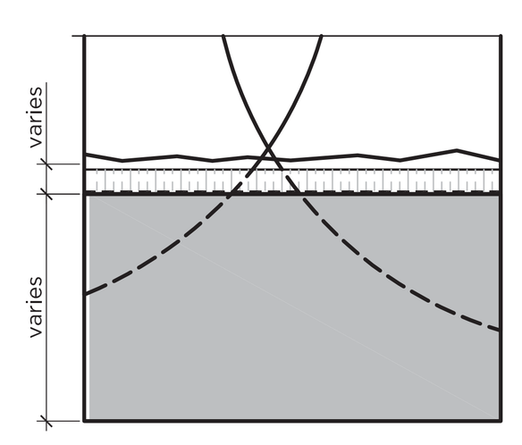
1.0 BELOW-GRADE EXT. WALLS



1.1 FOUNDATION WALL: CAISSON WALL SHORING

Concrete Caissons [refer to Shoring drawings]
Vertical Drainage Panel System aligned with permanent perimeter drainage system c/w sleeves through foundation connecting to underside of slab-on-grade drainage system [see Soils Report and Mechanical drawings]
Specified Blind-Sided Waterproofing Membrane mechanically fastened through positively lapped vertical drainage panels
Cast-in-place Concrete Foundation Wall [see Structural drawings]
Paint Finish [see note]

Assembly Thickness: Varies

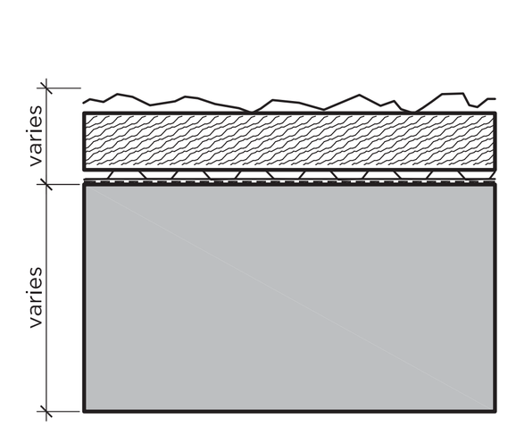
REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:
Specified Silane sealer to 100mm AFF at lowest parking level at slab-on-grade and foundation wall connections.

All ceilings, walls and columns shall be painted white from 60cm above the floor level with the remaining portion of walls and columns from floor level to a height of 60cm painted black; per City of Toronto Municipal Code Property Standards.



1.2 FOUNDATION WALL: SOLDIER PILE SHORING

Soldier Piling and Lagging [refer to Shoring drawings]
Vertical Drainage Panel System aligned with permanent perimeter drainage system c/w sleeves through foundation connecting to underside of slab-on-grade drainage system [see Soils Report and Mechanical Drawings]
Specified Blind-Sided Waterproofing Membrane mechanically fastened through positively lapped vertical drainage panels
Cast-in-place Concrete Foundation Wall [see Structural drawings]
Paint Finish [see note]

Assembly Thickness: Varies

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

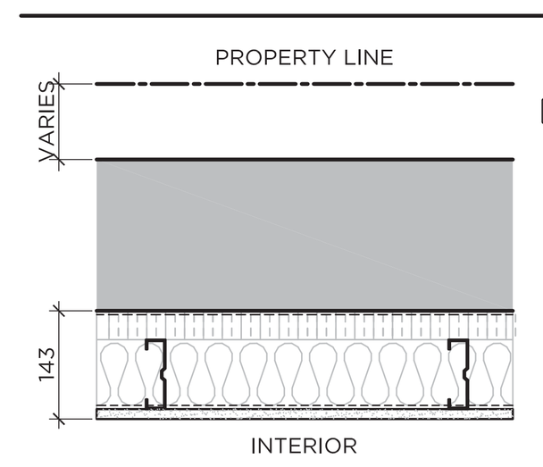
REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:
Specified Silane sealer to 100mm AFF at lowest parking level at slab-on-grade and foundation wall connections.

All ceilings, walls and columns shall be painted white from 60cm above the floor level with the remaining portion of walls and columns from floor level to a height of 60cm painted black; per City of Toronto Municipal Code Property Standards.

2.0 ABOVE-GRADE EXT. WALLS

2.1 CONCRETE/CONCRETE BLOCK



2.1a BLIND-FORMED CONCRETE WALLS

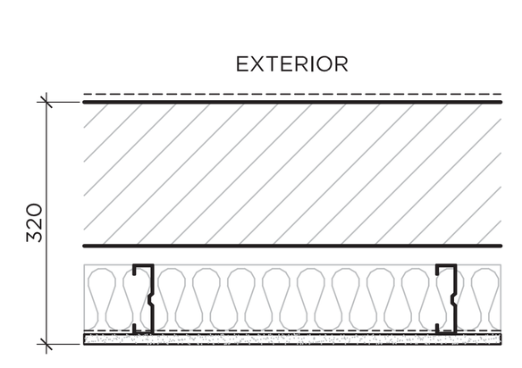
Cast-in-place Concrete Wall [see Structural drawings]
Continuous Air Barrier Membrane as specified [spray or roller applied, vapour permeable]
38mm Semi-Rigid Mineral Insulation Board [RSI 1.48]
92mm Metal Studs [Non-Load Bearing; provide bracing as required]
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Air-Vapour Barrier Membrane [tape all joints]
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 143mm + Concrete

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.78 [R21.5]

REQUIRED FRR: 2.0hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per OBC SB-2 Table 2.1.1. monolithic concrete wall minimum 90mm thick, type S concrete.

REQUIRED STC: n/a PROVIDED STC: 50 minimum
Sound Transmission Class Note: See assembly 4.1a



2.1b CONCRETE BLOCK WALL - FINISHED ONE SIDE

Continuous Cementatious Waterproofing Membrane
190mm Concrete Block Wall
92mm Metal Studs @ 600 O.C. held of 25mm [Non-Load Bearing; provide bracing as required]
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Air-Vapour Barrier Membrane [tape all joints]
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

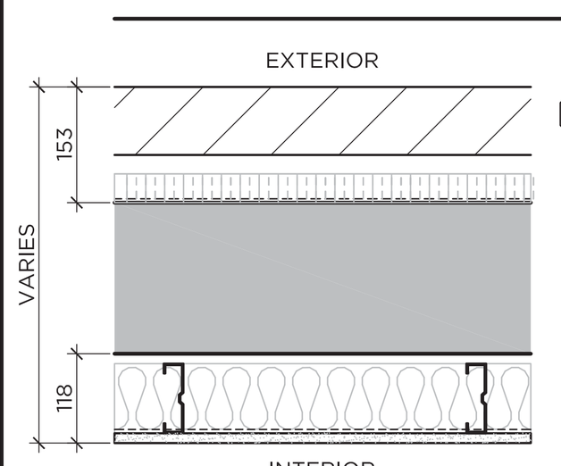
Assembly Thickness: 320

REQUIRED RSI: See note 9.35 PROVIDED RSI: 2.30 [R13.6]

REQUIRED FRR: 2.0hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per OBC SB-2 Table 2.1.1. monolithic concrete wall minimum 90mm thick, type S concrete.

REQUIRED STC: n/a PROVIDED STC: n/a

2.2 MASONRY-VENEER CLADDING



2.2a BRICK VENEER CONCRETE BACK-UP WALL

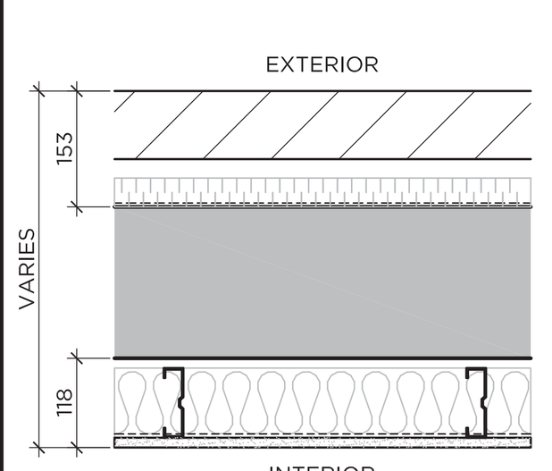
90mm Brick Masonry
25mm Air Space
38mm Semi-Rigid Mineral Insulation Board [RSI 1.48]
Specified Continuous Self-Adhered Air Barrier Membrane
Cast-in-place Concrete Wall [see Structural drawings]
92mm Metal Studs held out 13mm from Concrete
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 271mm + Concrete

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.64 [R20]

REQUIRED FRR: 2.0hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per OBC SB-2 Table 2.1.1. monolithic concrete wall minimum 90mm thick, type S concrete.

REQUIRED STC: n/a PROVIDED STC: 50 minimum
Sound Transmission Class Note: See assembly 4.1a



2.2a2 BRICK VENEER CONCRETE BACK-UP WALL

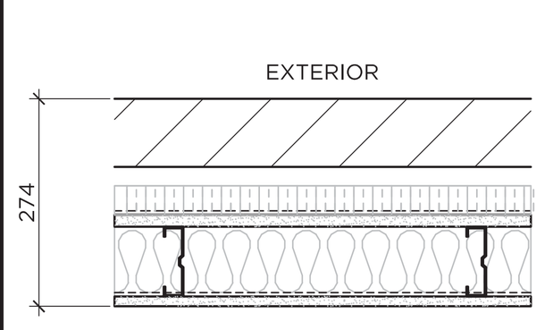
90mm Brick Masonry
25mm Air Space
38mm Rigid Insulation [RSI 1.34] (2)
Specified Continuous Self-Adhered Air Barrier Membrane
Cast-in-place Concrete Wall [see Structural drawings]
92mm Metal Studs held out 13mm from Concrete
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 271mm + Concrete

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.64 [R20]

REQUIRED FRR: 2.0hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per OBC SB-2 Table 2.1.1. monolithic concrete wall minimum 90mm thick, type S concrete.

REQUIRED STC: n/a PROVIDED STC: 50 minimum
Sound Transmission Class Note: See assembly 4.1a



2.2b BRICK VENEER STEEL STUD BACK-UP WALL

90mm Brick Masonry
25mm Air Space
38mm Semi-Rigid Mineral Insulation Board [RSI 1.48]
Specified Continuous Self-Adhered Air Barrier Membrane
16mm Exterior Grade Gypsum Wall Board Sheathing
92mm or 152mm Wind Bearing Metal Studs [See plans for widths; see also structural note]
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

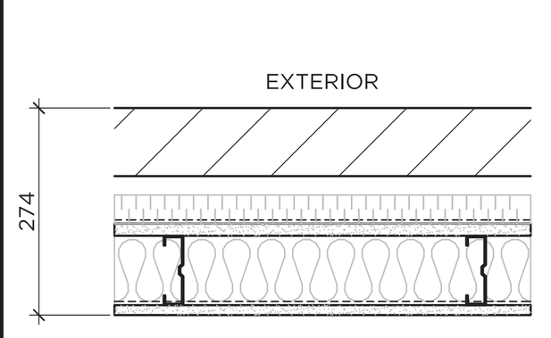
Assembly Thickness: 274mm

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.64 [R20]

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: 1.0hr, see note
Fire Rating Note: for EAST ELEVATION AT THE 7TH FLOOR LEVEL ONLY substitute 16mm Exterior Grade Gypsum Wall Board Sheathing with 16mm Type X Exterior Grade Gypsum Wall Board Sheathing

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Structural Note:
Stud depth and gauge dependant on span and application. Shop drawings bearing the seal of a Professional Structural Engineer shall be submitted for wind bearing metal studs, brick veneer wall assembly system design, and window system installation, as applicable [Typical].



2.2b2 BRICK VENEER STEEL STUD BACK-UP WALL

90mm Brick Masonry
25mm Air Space
38mm Rigid Insulation [RSI 1.34] (2)
Specified Continuous Self-Adhered Air Barrier Membrane
16mm Exterior Grade Gypsum Wall Board Sheathing
92mm or 152mm Wind Bearing Metal Studs [See plans for widths; see also structural note]
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 274mm

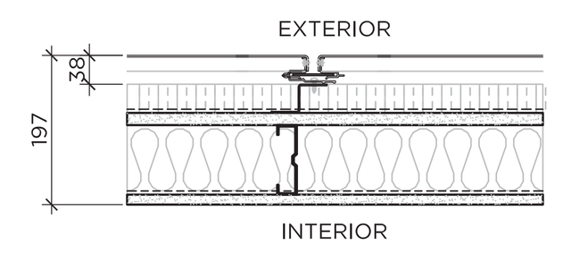
REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.64 [R20]

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: 1.0hr, see note
Fire Rating Note: for EAST ELEVATION AT THE 7TH FLOOR LEVEL ONLY substitute 16mm Exterior Grade Gypsum Wall Board Sheathing with 16mm Type X Exterior Grade Gypsum Wall Board Sheathing

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Structural Note:
Stud depth and gauge dependant on span and application. Shop drawings bearing the seal of a Professional Structural Engineer shall be submitted for wind bearing metal studs, brick veneer wall assembly system design, and window system installation, as applicable [Typical].

2.3 METAL PANELLING



2.3a METAL PANEL STEEL STUD BACK-UP WALL

38mm Prefinished Rainscreen Type Metal Panel Wall System
38mm Vertical Metal Z-Girts [spacing per panel manufacturer]
38mm Semi-Rigid Mineral Insulation Board [RSI 1.48]
Specified Continuous Self-Adhered Air Barrier Membrane
16mm Exterior Grade Gypsum Wallboard Sheathing
92mm Wind Bearing Metal Studs [see structural note]
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

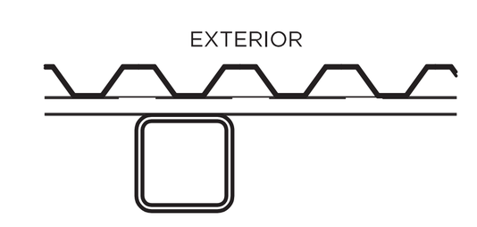
Assembly Thickness: 197mm

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.78 [R21.5]

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Structural Note:
Stud depth and gauge dependant on span and application. Shop drawings bearing the seal of a Professional Structural Engineer shall be submitted for wind bearing metal studs and window system installation, as applicable [Typical].



2.3b METAL CLADDING STEEL FRAMING

38mm Perforated Prefinished Horizontal Metal Cladding System
38mm Vertical Metal Z-Girts [spacing per cladding manufacturer]
Galvanized Structural Steel Framing System c/w Steel Girts [see Structural drawings]

Assembly Thickness: 76mm + Steel Framing

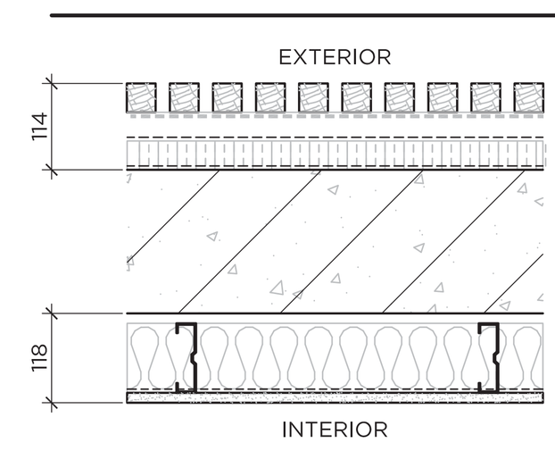
REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:
Shop drawings bearing the seal of a Professional Structural Engineer shall be submitted for the cladding and structural steel framing systems.

2.4 WOOD CLADDING-PANELLING



2.4a WOOD CLADDING BLOCK BACK-UP WALL

38mm x 38mm Vertical Wood Slats @ 57mm o.c.
Nylon Insect Screen
38mm x 38mm Horizontal Spacers @ 1219mm o.c. w/ top edge sloped [see notes for Clear Fire-Retardant Coating for wood cladding members]
Breathable UV-Resistant Insulation Protection Sheet [Delta-Fassade S or equivalent]
38mm Vertical Metal Z-Girts @ 610mm o.c.
38mm Semi-Rigid Mineral Insulation Board [RSI 1.48]
Specified Continuous Self-Adhered Air Barrier Membrane
190mm or 240mm Concrete Block [refer to plans and see Structural drawings]
92mm Metal Studs [Non-Load Bearing] held out 13mm from Concrete Block
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 232mm + Concrete Block

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.78 [R21.5]

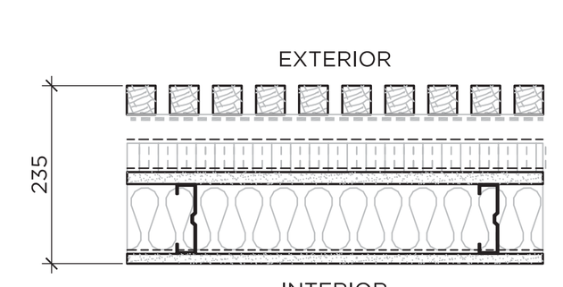
REQUIRED FRR: See note PROVIDED FRR: See note
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per OBC SB-2 Table 2.1.1. monolithic concrete wall minimum 90mm thick, type S concrete.

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:

Fire Retardant treated wood cladding to meet accelerated weathering test ASTM D2898 and achieve a flame-spread rating of 25.

Horizontal spacers to be spaced equally along wall height. Confirm vertical spacing with Architect prior to installation.



2.4b WOOD CLADDING STEEL STUD BACK-UP WALL

38mm x 38mm Vertical PT Wood Slats @ 57mm o.c.
Nylon Insect Screen
38mm x 38mm Horizontal Spacers @ 1219mm o.c. w/ top edge sloped [see notes for Clear Fire-Retardant Coating for wood cladding members]
Breathable UV-Resistant Insulation Protection Sheet [Delta-Fassade S or equivalent]
38mm Vertical Metal Z-Girts @ 610mm o.c.
38mm Semi-Rigid Mineral Insulation Board [RSI 1.48]
Specified Continuous Self-Adhered Air Barrier Membrane
16mm Exterior Grade Gypsum Wall Board Sheathing
92mm Wind Bearing Metal Studs [See plans for widths; see also structural note]
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 235mm

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.78 [R21.5]

REQUIRED FRR: See note PROVIDED FRR: See note
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies.

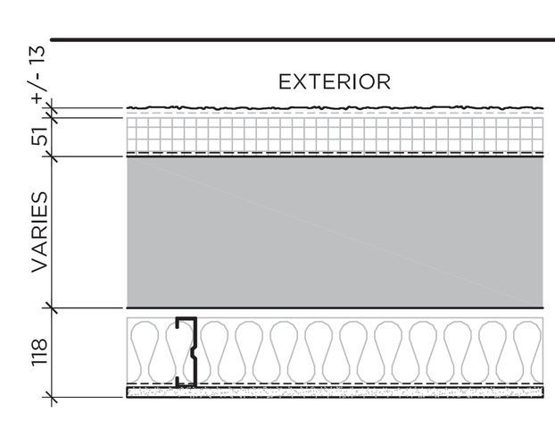
REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:

Fire Retardant treated wood cladding to meet accelerated weathering test ASTM D2898 and achieve a flame-spread rating of 25.

Horizontal spacers to be spaced equally along wall height. Confirm vertical spacing with Architect prior to installation.

2.5 EXT. INSULATED FINISH SYSTEMS



2.5a NON-COMBUSTIBLE EIFS CONC. BACK-UP

"Positive Drainage Rainscreen Type Non-Combustible" Cladding System
Water-based Acrylic Finish Coating
High Impact Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
51mm Polystyrene Insulation Board [RSI 1.4] c/w positive drainage channels
Continuous Air and Moisture Barrier [Vapour Permeable]
Cast-in-place Concrete Wall [see Structural drawings]
92mm Metal Studs held out 13mm from Concrete
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

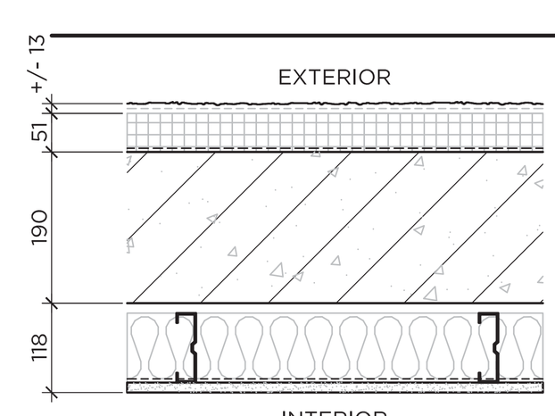
Assembly Thickness: 182mm + Concrete

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.7 [R21]

REQUIRED FRR: 1.5hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per assembly 4.1a.

REQUIRED STC: 50 PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:
Non-Combustible EIFS System based upon proprietary system design, Outsulation® NC System by Dryvit Systems Canada Inc. Any substitution to be pre-approved equivalent meeting CAN/ULC-S101 Standard Methods of Fire Endurance Test.



2.5b NON-COMBUSTIBLE EIFS BLOCK BACK-UP

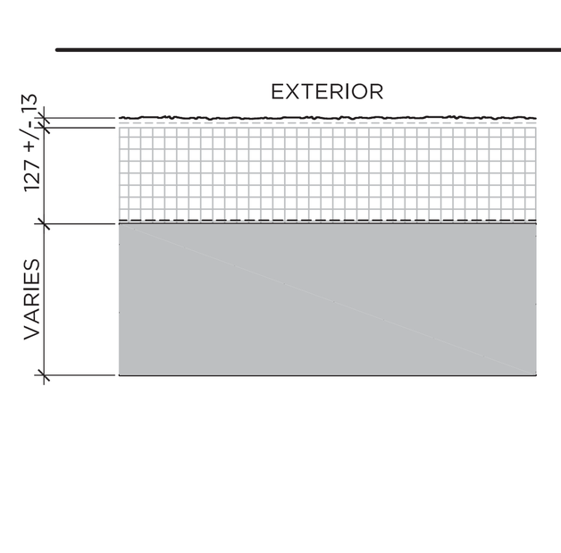
"Positive Drainage Rainscreen Type Non-Combustible" Cladding System
Water-based Acrylic Finish Coating
High Impact Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
51mm Polystyrene Insulation Board [RSI 1.4] c/w positive drainage channels
Continuous Air and Moisture Barrier [Vapour Permeable]
190mm Concrete Block [refer to plans and see Structural drawings]
92mm Metal Studs held out 13mm from Concrete
92mm Friction Fit Batt Insulation in Cavity [RSI 2.30]
6mil Polyethylene Vapour Barrier Membrane
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 182mm + Block
REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.7 [R21]

REQUIRED FRR: 1.5hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per assembly 4.1a.

REQUIRED STC: 50 PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:
Non-Combustible EIFS System based upon proprietary system design, Outsulation® NC System by Dryvit Systems Canada Inc. Any substitution to be pre-approved equivalent meeting CAN/ULC-S101 Standard Methods of Fire Endurance Test.



2.5c NON-COMBUSTIBLE EIFS CONC. BACK-UP

"Positive Drainage Rainscreen Type Non-Combustible" Cladding System
Water-based Acrylic Finish Coating
High Impact Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
127mm Polystyrene Insulation Board [RSI 3.52] c/w positive drainage channels
Continuous Air and Moisture Barrier [Vapour Permeable]
Cast-in-place Concrete Wall [see Structural drawings]

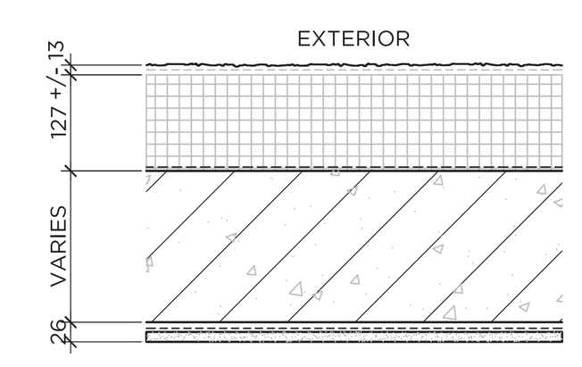
Assembly Thickness: 140mm + Concrete

REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.52 [R20]

REQUIRED FRR: 1.5hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per assembly 4.1a.

REQUIRED STC: 50 PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:
Non-Combustible EIFS System based upon proprietary system design, Outsulation® NC System by Dryvit Systems Canada Inc. Any substitution to be pre-approved equivalent meeting CAN/ULC-S101 Standard Methods of Fire Endurance Test.



2.5d NON-COMBUSTIBLE EIFS BLOCK BACK-UP

"Positive Drainage Rainscreen Type Non-Combustible" Cladding System
Water-based Acrylic Finish Coating
High Impact Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
Reinforcing Mesh embedded in Non-Combustible Cementitious Base Coat
127mm Polystyrene Insulation Board [RSI 3.52] c/w positive drainage channels
Continuous Air and Moisture Barrier [Vapour Permeable]
190mm Concrete Block [refer to plans and see Structural drawings]
6mil Polyethylene Vapour Barrier Membrane
13mm Resilient Metal Channels
13mm Interior Gypsum Wallboard
Interior Finish as per schedule or Interior Designer

Assembly Thickness: 166mm + Concrete

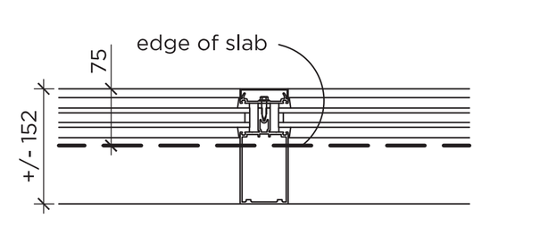
REQUIRED RSI: See note 9.35 PROVIDED RSI: 3.52 [R20]

REQUIRED FRR: 1.5hr PROVIDED FRR: 2.0hr
Fire Rating Note: Refer to FRR diagrams for location of required rated assemblies. Rating per assembly 4.1a.

REQUIRED STC: 50 PROVIDED STC: n/a
Sound Transmission Class Note: -

Note:
Non-Combustible EIFS System based upon proprietary system design, Outsulation® NC System by Dryvit Systems Canada Inc. Any substitution to be pre-approved equivalent meeting CAN/ULC-S101 Standard Methods of Fire Endurance Test.

3.0 EXTERIOR WINDOW SYSTEMS



3.1a CURTAINWALL WINDOW SYSTEM

Extruded aluminum framing system
Horizontal and Vertical Cap type

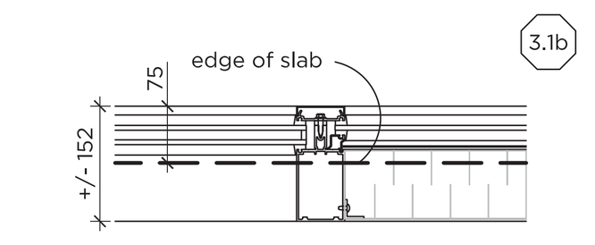
General note:
Window vision units to provide minimum. 0.39 shading coefficient.
Refer to elevations, window schedule & specification for additional performance rating requirements.

Extruded Aluminum Window System
Frame Depth based upon 152mm

REQUIRED U-Value: See note 9.35 PROVIDED U-Value: 0.24
REQUIRED SHGC: See note 9.35 PROVIDED SHGC: 0.42

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



3.1b CURTAINWALL WINDOW SYSTEM - SPANDREL

Extruded aluminum framing system
Spandrel panel (non fire rated) - per window schedule
89 Semi Rigid Insulation in metal liner backpan (RSI 2.59)
3mm thick Pre finish aluminum sealed back liner to match frame
Interior finish to tenant specifications

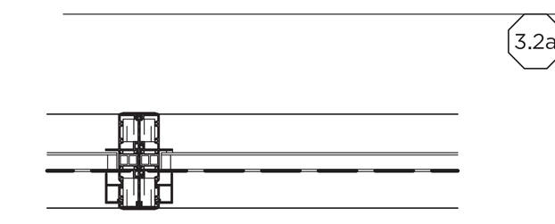
Note:
Refer to elevations, window schedule & specifications for additional performance requirements.
RSI value based on insulated spandrel portion of assembly

Extruded Aluminum Window System
Frame Depth based upon 152mm

REQUIRED RSI: n/a PROVIDED RSI: 2.59
REQUIRED U-Value: See note 9.35 PROVIDED U-Value: 0.24
REQUIRED SHGC: See note 9.35 PROVIDED SHGC: 0.42

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



3.2a ALUMINUM WINDOWS

Prefinished aluminum window system

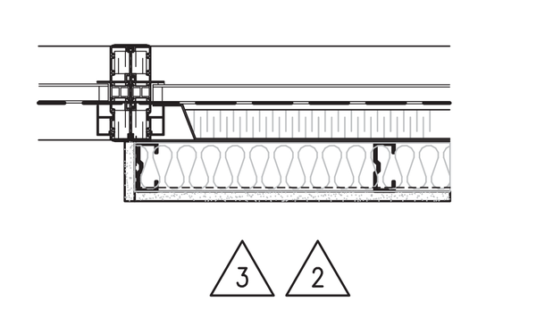
Refer to elevations, window schedule & specification
Refer to note 7.34 for operable portions of window assembly

Prefinished Aluminum Window System
Frame Depth based upon 133mm

REQUIRED U-Value: See note 9.35 PROVIDED U-Value: 0.24
REQUIRED SHGC: See note 9.35 PROVIDED SHGC: 0.42

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



3.2b ALUMINUM WINDOWS: SPANDREL GLASS

Prefinished aluminum window system
Spandrel panel (per window schedule)
Insulated & sealed metal liner backpan (RSI 2.17)
64mm non load-bearing metal studs @ 600mm o.c. offset 25mm
64mm Friction Fit Batt Insulation in Cavity [RSI 1.45]
6mil Polyethylene Vapour Barrier Membrane
12.7mm gypsum wall board interior finish.

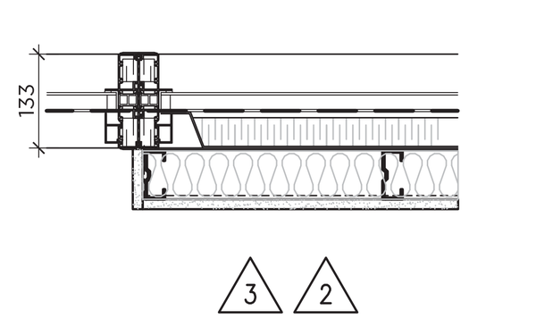
Note:
Refer to Elevations, Window Schedule & Specifications

Prefinished Aluminum Window System
Frame Depth based upon 133mm

REQUIRED RSI: n/a PROVIDED RSI: 3.62
REQUIRED U-Value: See note 9.35 PROVIDED U-Value: 0.24
REQUIRED SHGC: See note 9.35 PROVIDED SHGC: 0.42

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



3.2c ALUMINUM WINDOWS: METAL PANEL

Pre finished aluminum window system
Spandrel panel (per window schedule)
Insulated & sealed metal liner backpan (RSI 2.17)
64mm non load-bearing metal studs @ 600mm o.c. offset 25mm
64mm Friction Fit Batt Insulation in Cavity [RSI 1.45]
6mil Polyethylene Vapour Barrier Membrane
12.7mm gypsum wall board interior finish.

Note:
Refer to Elevations, Window Schedule & Specifications

Prefinished Aluminum Window System
Frame Depth based upon 133mm

REQUIRED RSI: n/a PROVIDED RSI: 3.62
REQUIRED U-Value: See note 9.35 PROVIDED U-Value: 0.24
REQUIRED SHGC: See note 9.35 PROVIDED SHGC: 0.42

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

4.0 INTERIOR WALLS

4.1 CONCRETE

4.1a CAST-IN-PLACE CONCRETE WALLS/COLUMNS

Cast-in-place Concrete Wall: Thickness Varies; minimum 150mm [type S]
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: Varies PROVIDED FRR: 2.0hr minimum
Fire Rating Note: 2.0hr as required adjacent property lines at retail levels, demising walls, and structural elements supporting assemblies above. Rating per OBC SB-2 Table 2.1.1. monolithic concrete wall minimum 130mm thick, type S concrete, minimum 25mm cover over steel reinforcing.

REQUIRED STC: See note PROVIDED STC: 50 minimum
Sound Transmission Class Note: STC 50 applicable for minimum 150mm thick poured concrete walls per Portland Cement Association Test 76-66 for plain concrete finishes.

Required minimum STC:		
	Residential to Residential:	STC 50
	Residential to Corridor:	STC 50
	Residential to Retail:	STC 50
	Residential to Elevator:	STC 55
	Residential to Garbage Chute:	STC 55

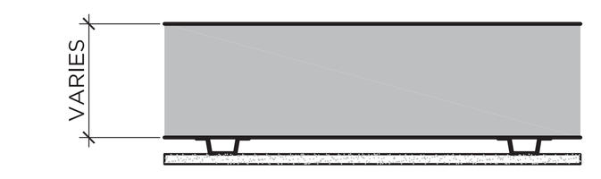
4.1b CONCRETE: LAMINATED GYPSUM WALL BOARD

Cast-in-place Concrete Wall
13mm Laminated Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.1a

REQUIRED STC: See 4.1a PROVIDED STC: See 4.1a
Sound Transmission Class Note: As noted in 4.1a



4.1c CONCRETE: FURRED GYPSUM WALL BOARD

Cast-in-place Concrete Wall
22mm Metal Furring Channels @ 600mm o.c.
13mm Laminated Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.1a

REQUIRED STC: See 4.1a PROVIDED STC: See 4.1a
Sound Transmission Class Note: As noted in 4.1a

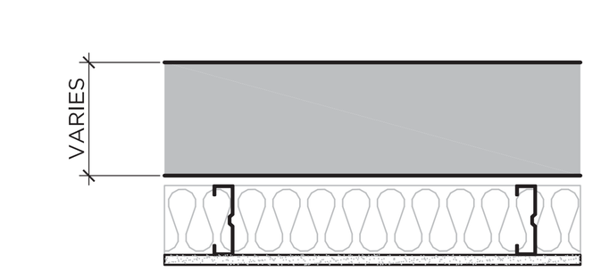
4.1d CONCRETE: STAIRWELL TO SUITE [ACOUSTIC]

Cast-in-place Concrete Wall
13mm Resilient Metal Channels @ 600 o.c.
13mm SAFB in Cavity
13mm Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.1a

REQUIRED STC: See 4.1a PROVIDED STC: See 4.1a
Sound Transmission Class Note: As noted in 4.1a



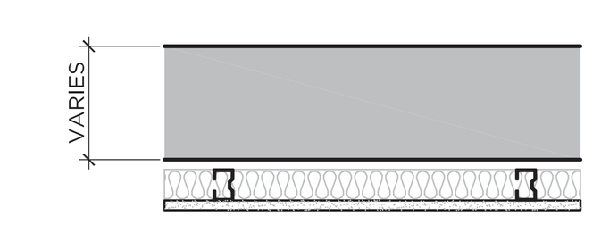
4.1e CONCRETE: ELEVATOR SHAFT

Cast-in-place Concrete Wall [Minimum 200mm thickness]
92mm Metal Studs @ 400mm o.c. held out 13mm from concrete
92mm Friction Fit SAFB in Cavity
13mm Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.1a

REQUIRED STC: 55 PROVIDED STC: 58
Sound Transmission Class Note: per NRC, JASA 90 September 1991, p. 1458



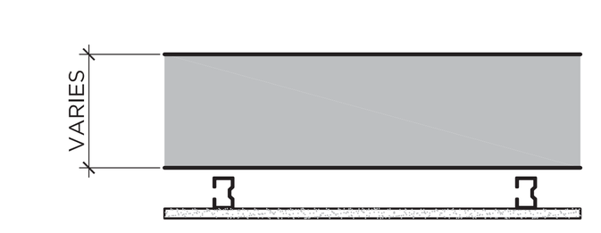
4.1f CONCRETE: MECH. SHAFT/ELEC. CLOSET

Cast-in-place Concrete Wall
41mm Metal Studs @ 400mm o.c. held out 13mm from concrete
41mm Friction Fit SAFB in Cavity
13mm Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.1a

REQUIRED STC: 50 PROVIDED STC: +50
Sound Transmission Class Note: As noted in 4.1a



4.1g CONCRETE: FRAMED SERVICE WALLS

Cast-in-place Concrete Wall
41mm Metal Studs @ 400mm o.c. held out 13mm from concrete
13mm Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.1a

REQUIRED STC: 50 PROVIDED STC: See 4.1a
Sound Transmission Class Note: -
Note: Provide finish on both sides of concrete wall as applicable - refer to plans.

4.2 CONCRETE BLOCK MASONRY

4.2a CONCRETE BLOCK WALLS

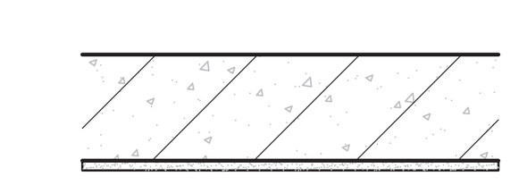
140mm or 190mm Non-Load Bearing Concrete Block: Refer to specific assembly notes and Architectural drawings for locations and thicknesses. Finishes per assemblies noted below and/or per finish schedule.

Assembly Thickness: 140mm or 190mm

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: See note PROVIDED FRR: See note
Fire Rating Note: Fire Rating per OBC SB-2 Table 2.1.1. Unit Masonry Walls;
73mm equivalent thickness minimum type S or N concrete: 1.0hr FRR
95mm equivalent thickness minimum type S or N concrete: 1.5hr FRR
113mm equivalent thickness minimum type S or N concrete: 2.0hr FRR

REQUIRED STC: See note PROVIDED STC: See note
Sound Transmission Class Note: Provided STC ratings per OBC SB-3 Tables for 140mm or 190mm Concrete Block Partitions. Ratings based on total assembly components. STC ratings applicable to Residential Unit separations per assembly 4.1a notes.



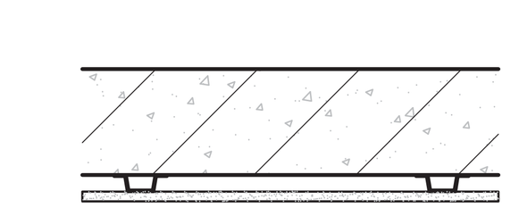
4.2b BLOCK: LAMINATED GYPSUM WALL BOARD

140mm or 190mm Non-Load Bearing Concrete Block
13mm Laminated Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: See note 9.35

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.2a

REQUIRED STC: n/a PROVIDED STC: n/a



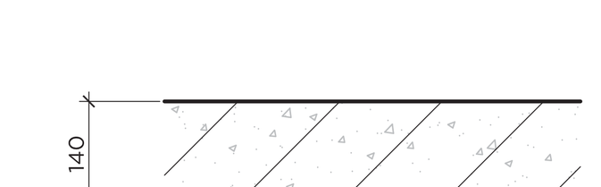
4.2c BLOCK: FURRED GYPSUM WALL BOARD

140mm or 190mm Non-Load Bearing Concrete Block
22mm Metal Furring Channels @ 600mm o.c.
13mm Laminated Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: See note 9.35

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.2a

REQUIRED STC: See 4.2a PROVIDED STC: 51
Sound Transmission Class Note: per OBC SB-3 Table 1, Wall B3a



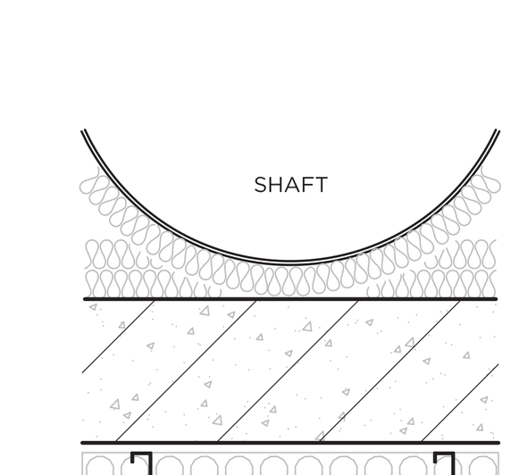
4.2d BLOCK: MECH. SPACE/ELEC. CLOSET (1)

140mm Non-Load Bearing Concrete Block
Gaps above concrete walls to be filled with min 25mm deep fire and smoke retardant acoustical mastic each side of wall. Void between mastic to be filled with semi-rigid mineral wool.
Concrete block at mechanical room to be parged .
41mm Metal Studs @ 400mm o.c. held out 13mm from block
41mm Friction Fit SAFB in Cavity
13mm Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: See note 9.35

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.2a

REQUIRED STC: 50 PROVIDED STC: +50
Sound Transmission Class Note: As noted in 4.2a. Also refer to letter from SS Wilson regarding the acoustical recommendations dated Oct. 3rd, 2014



4.2e CONCRETE: FRAMED SERVICE WALLS

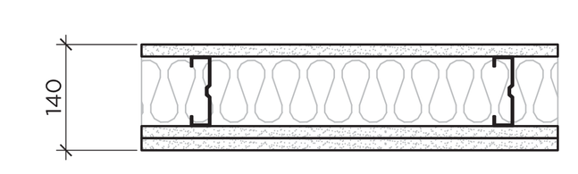
50mm SAFB wrapped around chute w/ additional SAFB filling remaining void between shaft and enclosure
190mm Non-Load Bearing Concrete Block
92mm Metal Studs @ 400mm o.c. held out 13mm from concrete
92mm Friction Fit SAFB in Cavity
13mm Gypsum Wall Board
Interior Finish as per schedule or Interior Designer

REQUIRED RSI: n/a PROVIDED RSI: See note 9.35

REQUIRED FRR: See FRR Diagrams PROVIDED FRR: See FRR Diagrams
Fire Rating Note: As noted in 4.2a

REQUIRED STC: 55 PROVIDED STC: +55
Sound Transmission Class Note: per JASA 90 Sept 1991 p. 1462

4.3 FRAMED WALLS [RATED]



4.3a TYPICAL CORRIDOR WALL

16mm Type X Gypsum Wall Board [corridor side]
92mm Non load-bearing Steel Studs @ 600mm o.c.
92mm SAFB in cavity
2 Layers 16mm Type X Gypsum Wall Board (+ tile backup at tubs and showers) unit side
Acoustic and Smoke Sealant around perimeter and all intersections with adjacent partitions.
See also notes 9.8 and 9.12

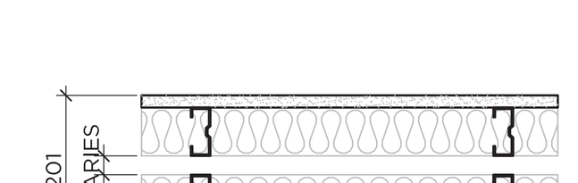
Assembly Thickness: 140mm

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: 1.0 hr PROVIDED FRR: 1.0 hr
Fire Rating Note: similar to ULC W407

REQUIRED STC: 50 PROVIDED STC: 53
Sound Transmission Class Note: per OBC SB-3 Wall S5a

Note: Provide additional layer 13mm tile backup board at tubs and showers.



4.3b SUITE DEMISING WALL

16mm type X gypsum wall board
64mm metal studs @ max. 600mm o.c. filled with 64mm SAFB
25mm gap [Minimum or as otherwise dimensioned on plans]
64mm metal studs @ max. 600mm o.c. filled with 64mm SAFB
2 layers 16mm type X gypsum wall board

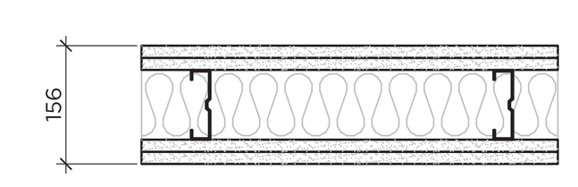
Assembly Thickness: 201mm [Typical or Varies]

REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: 1.0 hr PROVIDED FRR: 1.0 hr
Fire Rating Note: per ULC W449

REQUIRED STC: 50 PROVIDED STC: 61
Sound Transmission Class Note: per NRC Report IRC-IR-761, reference assembly TL-93-301

Note: Provide additional layer 13mm tile backup board at tubs and showers.



4.3c 2-HOUR FRAMED WALL

2 layers 16mm type X gypsum wall board
92mm metal studs @ 400mm o.c. filled with 92mm SAFB
2 layers 16mm type X gypsum wall board

Assembly Thickness: 156mm

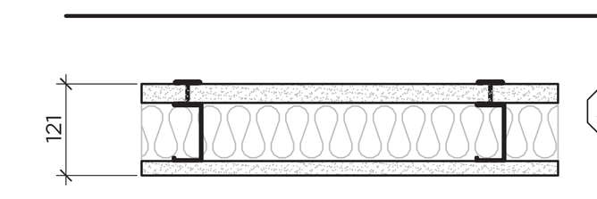
REQUIRED RSI: n/a PROVIDED RSI: n/a

REQUIRED FRR: 2.0 hr PROVIDED FRR: 2.0 hr
Fire Rating Note: per UL Des U404

REQUIRED STC: 50 PROVIDED STC: 56
Sound Transmission Class Note: per USG-840818

Note: Provide additional layer 13mm tile backup board at tubs and showers.

5.0 SHAFT WALLS



5.1a SHAFT WALL

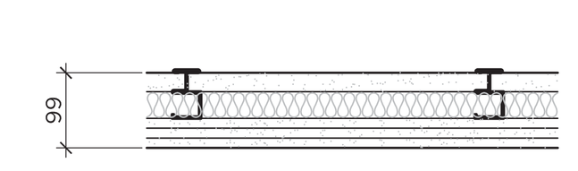
25mm gypsum wall board liner panel to shaft side
76mm SAFB in cavity
102mm C-H steel studs @ 600mm o.c.
19.1mm gypsum wall board, Ultracode Core
Acoustic and smoke sealant per note 9.8 and 9.12

Assembly Thickness: 121mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: 2.0 hr PROVIDED FRR: 2.0 hr
Fire Rating Note: per ULC W508

REQUIRED STC: 50 PROVIDED STC: 51
Sound Transmission Class Note: per CGC SA-910913



5.2a 2HR SHAFT WALL [HORIZONTAL APPLICATION]

(per BMEC ruling No. 89-01-118)

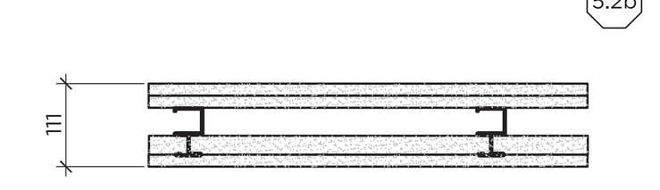
25mm gypsum wall board liner to underside of assembly above
38mm SAFB (where STC rating is required)
64mm C-H steel studs @ 600mm o.c.
3 layers - 12.7mm gypsum wall board, type 'X'
Acoustic and smoke sealant per note 9.8 and 9.12

Assembly Thickness: 99mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: 2.0 hr PROVIDED FRR: 2.0 hr
Fire Rating Note: per WHI-495 PSH 0154/0167

REQUIRED STC: n/a PROVIDED STC: 50 minimum
Sound Transmission Class Note: -



5.2b 3HR SHAFT WALL [HORIZONTAL APPLICATION]

2 layers 16mm Firecode C Core Gypsum Board
64mm C-H steel studs @ 600mm o.c. [24 gauge]
25mm Gypsum Board Liner
16mm Firecode C Core Gypsum Board
Smoke Sealant per note 9.12

Assembly Thickness: 111mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: 3.0 hr PROVIDED FRR: 3.0 hr
Fire Rating Note: per ULC W452, System H or UL Des U415, System H

REQUIRED STC: n/a PROVIDED STC: 49
Sound Transmission Class Note: -

Note: System has been designed based upon proprietary system reference SA926 by CGC Inc.

6.0 FRAMED WALLS [UNRATED]

6.1a TYPICAL PARTITION WALL

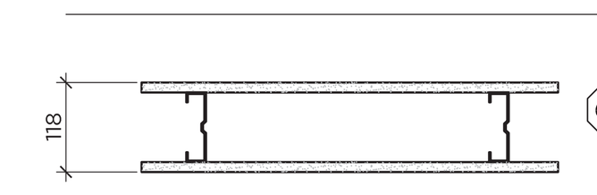
13mm Interior Gypsum Wallboard
41mm Metal Studs (Non-Load Bearing, provide bracing as required)
13mm Interior Gypsum Wallboard

Assembly Thickness: 67mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



6.1b SUITE PARTITION WALL [ELEC./COMM. PANEL]

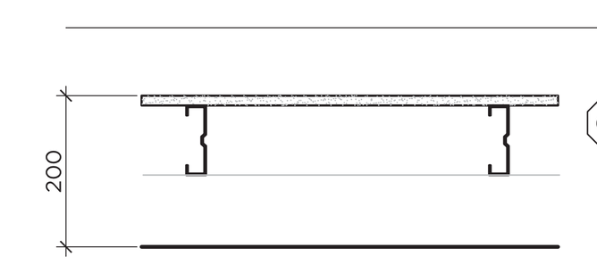
13mm Interior Gypsum Wallboard
92mm Metal Studs (Non-Load Bearing, provide bracing as required)
13mm Interior Gypsum Wallboard

Assembly Thickness: 118mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



6.1c CHASE WALL: FINISHED ONE SIDE

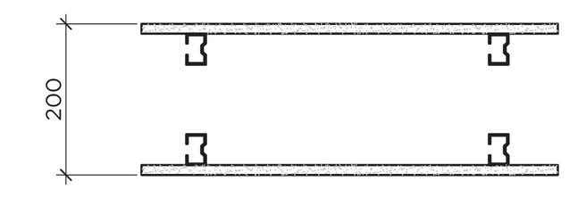
13mm Interior Gypsum Wallboard
92mm Metal Studs (Non-Load Bearing, provide bracing as required)
13mm Interior Gypsum Wallboard

Assembly Thickness: 200mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



6.1d CHASE WALL: FINISHED BOTH SIDES

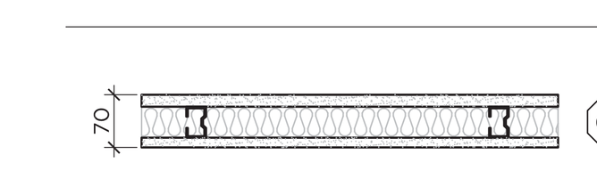
13mm Interior Gypsum Wallboard
92mm Metal Studs (Non-Load Bearing, provide bracing as required)
13mm Interior Gypsum Wallboard

Assembly Thickness: 200mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -



6.1e FRAMING AROUND MECH. EQUIPMENT

16mm Interior Gypsum Wallboard
41mm Metal Studs (Non-Load Bearing, provide bracing as required)
41mm SAFB
13mm Interior Gypsum Wallboard

Assembly Thickness: 70mm

REQUIRED RSI: n/a PROVIDED RSI: n/a
Insulation Note: -

REQUIRED FRR: n/a PROVIDED FRR: n/a
Fire Rating Note: -

REQUIRED STC: n/a PROVIDED STC: n/a
Sound Transmission Class Note: -

ISSUED RECORD

2013-07-26	Issued for Building Permit
2013-09-03	Issued for Tender
2014-08-15	Issued for Construction
2015-04-07	Resubmitted For Permit

REVISION RECORD

2014-10-31	Revised Per SI C19	1
2015-11-16	Revised Per SI C62	2
2015-12-07	Revised Per SI C59R1	3

Nero.

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Assemblies-Notes

1:10

A001