Metal Stud Partition (P3 / A8-01) — SCALE N.T.S.

P3 R1 — 92 METAL STUDS INSULATED FURRING

NOTE :
1. Max height = 4420 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Refer to Acoustic Engineers Report for verification of STC values
6. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GREEN BOARD SHEETROCK
92 METAL STUDS @ 400 o.c. SPACED 25 from WALL
89 THERMAL INSULATION BATTS, MIN. 2.3 R.S.I.
P1 (CONC.) OR P2 (CONC. BLOCK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	2.3	NOTE 5	130

P3 Q2 — INSULATED WALL

NOTE :
1. Max height = n/a
2. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
4. Insulated wall may be used on either warm OR cold side of heated space.

16 CEMENTITIOUS SHEATHING
60 RIGID INSULATION, MIN. 2.11 R.S.I.
60 METAL SECUREMENT CHANNELS @ 400 o.c.
P1 (CONC.) or P2 (CONC. BLK.) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	2.11	-	80

P3 Q1 — INSULATED WALL

NOTE :
1. Max height = n/a
2. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD
60 RIGID INSULATION, MIN. 2.11 R.S.I.
60 METAL SECUREMENT CHANNELS @ 400 o.c.
P1 (CONC.) or P2 (CONC. BLK.) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	2.11	-	75

P3 L4 — ELEVATOR / MECHANICAL / REFUSE SHAFT WALL

NOTE :
1. Max height = 4242 with CH stud 400CH-34 (L/240, based on air shaft pressure of 0.48 KPa, elevator velocity of 3.5 to 8.0 m/sec. up to 3 elevators per shaft)
2. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
3. Penetrations must be protected to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Thru-penetrations must be provided with an approved ULC fire-stop and smoke-seal protection.
6. Refer to ULC-W-452A, ULC-W-446F or WHI GP/WA120-01 for complete assembly requirements.
7. For acoustical performance information refer to CGC Shaft Wall Systems SA-926

1 LAYER, 19 SHEETROCK ULTRACODE CORE GYPSUM PANELS, JOINTS FINISHED
100 METAL C-H STUDS 20 GUAGE @ 610 o.c.
75 MINERAL WOOL S.A.F.B. INSULATION (ALTERNATE: GLASS FIBRE INSULATION)
25 GYPSUM WALL BOARD, FIRE-CODE 'C', FITTED BETWEEN 'H' FLANGES OF STUDS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
2.0 hr.	NOTE 6	-	51	120

P3 L3 — ELEVATOR / MECHANICAL / REFUSE SHAFT WALL

NOTE :
1. Max height = 4394 with CH stud 400CH-34 (L/240, based on air shaft pressure of 0.48 KPa, elevator velocity of 3.5 to 8.0 m/sec. up to 3 elevators per shaft)
2. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
3. Penetrations must be protected to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Thru-penetrations must be provided with an approved ULC fire-stop and smoke-seal protection.
6. Refer to ULC-W-452A, ULC-W-446F or WHI GP/WA120-01 for complete assembly requirements.
7. For acoustical performance information refer to CGC Shaft Wall Systems SA-926

2 LAYERS, 13 SHEETROCK FIRECODE 'C' CORE GYPSUM PANELS, FACE LAYER JOINTS FINISHED
100 METAL C-H STUDS 20 GUAGE @ 610 o.c.
75 MINERAL WOOL S.A.F.B. INSULATION (ALTERNATE: GLASS FIBRE INSULATION)
25 GYPSUM WALL BOARD, FIRE-CODE 'C', FITTED BETWEEN 'H' FLANGES OF STUDS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
2.0 hr.	NOTE 6	-	50	125

P3 L2 — ELEVATOR / MECHANICAL / REFUSE SHAFT WALL

NOTE :
1. Max height = 4394 with CH stud 400CH-34 (L/240, based on air shaft pressure of 0.48 KPa, elevator velocity of 3.5 to 8.0 m/sec. up to 3 elevators per shaft)
2. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
3. Penetrations must be protected to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Thru-penetrations must be provided with an approved ULC fire-stop and smoke-seal protection.
6. Refer to ULC-W-452A, ULC-W-446F or WHI GP/WA120-01 for complete assembly requirements.
7. For acoustical performance information refer to CGC Shaft Wall Systems SA-926

2 LAYERS, 13 SHEETROCK FIRECODE 'C' CORE GYPSUM PANELS, FACE LAYER JOINTS FINISHED
100 METAL C-H STUDS 20 GUAGE @ 610 o.c.
25 GYPSUM WALL BOARD, FIRE-CODE 'C', FITTED BETWEEN 'H' FLANGES OF STUDS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
2.0 hr.	NOTE 6	-	43	125

P3 L1 — PIPE CHASE SHAFT WALL

NOTE :
1. Max height = 4242 with CH stud 400CH-34 (L/240, based on air shaft pressure of 0.48 KPa, elevator velocity of 3.5 to 8.0 m/sec. up to 3 elevators per shaft)
2. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
3. Penetrations must be protected to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Thru-penetrations must be provided with an approved ULC fire-stop and smoke-seal protection.
6. Refer to ULC-W-452A, ULC-W-446F or WHI GP/WA60-01 for complete assembly requirements.
7. For acoustical performance information refer to CGC Shaft Wall Systems SA-926

1 LAYER, 16 SHEETROCK GYPSUM FIRECODE CORE PANELS, JOINTS FINISHED
100 METAL C-H STUDS 20 GUAGE @ 610 o.c.
25 SHEETROCK GYPSUM LINER PANELS, FITTED BETWEEN 'H' FLANGES OF STUDS.

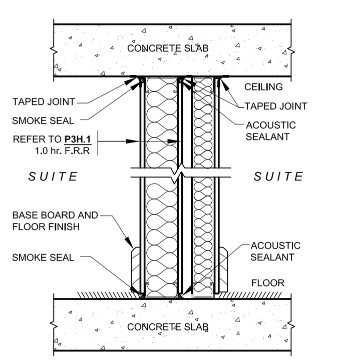
F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
1.0 hr.	NOTE 6	-	39	120

P3 J1 — ULC - W - 408 (Modified), DEMISING SUITE - to - SUITE

REFER TO P3H.1 1.0 hr. F.R.R

13 GYPSUM WALL BOARD
64 METAL STUDS @ 400 o.c. SPACED MIN. 25 FROM 'P3H.1' WALL (SPACING FROM WALL MAY VARY TO SUIT ADJACENT STRUCTURE)
FILL ENTIRE STUD CAVITY WITH 50 SOUND ATTENUATION BATTS

NOTE :
1. Max height = 4880 ST25 (L/240)
2. Provide continuous acoustic sealant to entire permiter of wall, on one side of wall, and continuously around all penetrations.
3. Refer to Acoustic Engineer's Report for verification of STC values.
4. Penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
5. Partial penetrations must be boxed out, or provided with ULC approved fire-backing material (ie. perlite).
6. Refer to ULC-W-408 for complete assembly requirements
7. ULC Pre-Amble states : "additional layers of GWB may be added at any time."
8. ULC Pre-Amble states : "the dimension and gauge of steel studs are minimums. The hourly ratings apply when the steel studs are of a heavier gauge and/or larger dimension than specified in a design."
9. Gap between bottom of rated wall board and non-combustible slab and/or flooring surface may not exceed 12mm.



CEILING & FLOOR DETAIL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
1.0 hr.	ULC-W-408	-	51 Note-4	230 MIN.

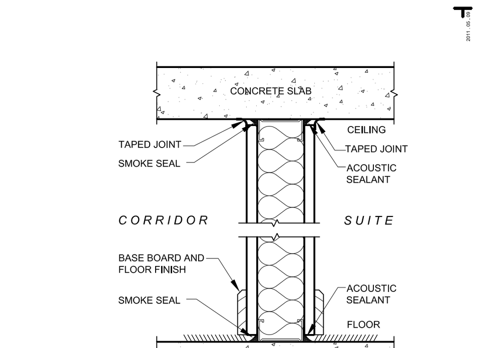
Metal Stud Partition (P3 / A8-01) — SCALE N.T.S.

P3 H1 — ULC - W - 408 (Modified), DEMISING - 92 METAL STUD SUITE - to - CORRIDOR

16 GYPSUM WALL BOARD, FIRE-CODE 'C' (see NOTE-7)
92 METAL STUDS @ 600 o.c. (see NOTE-8)
89 MINERAL WOOL S.A.F.B. INSULATION
16 GYPSUM WALL BOARD, FIRE-CODE 'C'

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

NOTE :
1. Max height = 4880 ST25 (L/240)
2. Provide continuous acoustic sealant to entire permiter of wall, on suite side of wall, and continuously around all penetrations.
3. Refer to Acoustic Engineer's Report for verification of STC values.
4. Penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
5. Partial penetrations must be boxed out, or provided with ULC approved fire-backing material (ie. perlite).
6. Refer to ULC-W-408 for complete assembly requirements
7. ULC Pre-Amble states : "additional layers of GWB may be added at any time."
8. ULC Pre-Amble states : "the dimension and gauge of steel studs are minimums. The hourly ratings apply when the steel studs are of a heavier gauge and/or larger dimension than specified in a design."
9. Gap between bottom of rated wall board and non-combustible slab and/or flooring surface may not exceed 12mm.



CEILING AND FLOOR DETAIL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
1.0 hr.	ULC-W-408	-	51 Note-3	125

P3 E7 — 152 METAL STUDS GENERAL USE, FIRE-RATED

NOTE :
1. Max height = 6095 ST25 (L/240)
2. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
3. Penetrations must be protected to ensure continuity of fire separation.
4. Partial penetrations must be boxed out, or provided with approved fire-backing material (ie. perlite).
5. Thru-penetrations must be provided with an approved ULC fire-stop and smoke-seal protection.
6. Refer to ULC-W-453 for complete assembly requirements

16 GYPSUM WALL BOARD, FIRE-CODE 'C'
152 METAL STUDS @ 400 o.c.
16 GYPSUM WALL BOARD, FIRE-CODE 'C'

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
1 HR.	ULC - W453	-	-	185

P3 E6 — 152 METAL STUDS GENERAL USE, ACOUSTIC

NOTE :
1. Max height = 6095 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. Refer to Acoustic Engineers Report for verification of STC values
4. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GYPSUM WALL BOARD
152 METAL STUDS @ 400 o.c.
75 SOUND ATTENUATION BATTS (2 LAYERS)
13 GYPSUM WALL BOARD

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	51	180

P3 E5 — 152 METAL STUDS GENERAL USE

NOTE :
1. Max height = 6095 ST25 (L/240)
2. Provide backer-board to tiled enclosures

13 GYPSUM WALL BOARD
152 METAL STUDS @ 400 o.c.
13 GYPSUM WALL BOARD

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	180

P3 E4 — 152 METAL STUDS INSULATED FURRING

NOTE :
1. Max height = 6095 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Maintain continous vapour barrier seal around perimeter of wall.

13 GYPSUM WALL BOARD
VAPOUR BARRIER
152 METAL STUDS @ 400 o.c. SPACED 15 from WALL
150 THERMAL INSULATION BATTS, MIN. 3.5 R.S.I.
BUILDING PAPER
P1 (CONC.) OR P2 (CONC. BLK) WALL
or
150 MINERAL WOOL THERMAL INSULATION BLANKETS, MIN. 3.5 R.S.I.
P1 (CONC.) OR P2 (CONC. BLK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	3.5	NOTE 5	180

P3 E3 — 152 METAL STUDS ACOUSTIC FURRING, SERVICE AREAS

NOTE :
1. Max height = 6095 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Refer to Acoustic Engineers Report for verification of STC values
6. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

16 CEMEMT BOARD
125 SOUND ATTENUTATION BATTS
152 METAL STUDS @ 400 o.c. SPACED 15 from WALL
P1 (CONC.) or P2 (CONC. BLOCK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	NOTE 5	185

P3 E2 — 152 METAL STUDS ACOUSTIC FURRING

NOTE :
1. Max height = 6095 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Refer to Acoustic Engineers Report for verification of STC values
6. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GYPSUM WALL BOARD
125 SOUND ATTENUTATION BATTS
152 METAL STUDS @ 400 o.c. SPACED 15 from WALL
P1 (CONC.) or P2 (CONC. BLOCK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	NOTE 5	180

P3 E1 — 152 METAL STUDS FURRING / PIPE SPACES

NOTE :
1. Max height = 6095 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD
152 METAL STUDS @ 400 o.c.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	165

Metal Stud Partition (P3 / A8-01) — SCALE N.T.S.

P3 D7 — 92 METAL STUDS GENERAL USE, FIRE-RATED

NOTE :
1. Max height = 4875 ST25 (L/240)
2. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
3. Penetrations must be protected to ensure continuity of fire separation.
4. Partial penetrations must be boxed out, or provided with approved fire-backing material (ie. perlite).
5. Thru-penetrations must be provided with an approved ULC fire-stop and smoke-seal protection.
6. Refer to ULC-W-407 for complete assembly requirements

16 GYPSUM WALL BOARD, FIRE-CODE 'C'
92 METAL STUDS @ 400 o.c.
16 GYPSUM WALL BOARD, FIRE-CODE 'C'

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
1 HR.	ULC-W 407	-	-	125

P3 D6 — 92 METAL STUDS GENERAL USE, ACOUSTIC

NOTE :
1. Max height = 4875 ST25 (L/240)
2. Provide densglass to tiled enclosures
3. Refer to Acoustic Engineers Report for verification of STC values
4. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GYPSUM WALL BOARD
92 METAL STUDS @ 400 o.c.
89 SOUND ATTENUATION BATTS
13 GYPSUM WALL BOARD

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	51	120

P3 D5 — 92 METAL STUDS GENERAL USE

NOTE :
1. Max height = 4875 ST25 (L/240)
2. Provide densglass to tiled enclosures

13 GYPSUM WALL BOARD
92 METAL STUDS @ 400 o.c.
13 GYPSUM WALL BOARD

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	120

P3 D4 — 92 METAL STUDS INSULATED FURRING

NOTE :
1. Max height = 4420 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Maintain continous vapour barrier seal around perimeter of wall.

13 GYPSUM WALL BOARD
VAPOUR BARRIER
92 METAL STUDS @ 400 o.c. SPACED 15 from WALL
89 THERMAL INSULATION BATTS, MIN. 2.3 R.S.I.
BUILDING PAPER
P1 (CONC.) OR P2 (CONC. BLK) WALL
or
89 MINERAL WOOL THERMAL INSULATION BLANKETS, MIN. 2.3 R.S.I.
P1 (CONC.) OR P2 (CONC. BLK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	2.3	NOTE 5	120

P3 D3 — 92 METAL STUDS ACOUSTIC FURRING SERVICE AREAS

NOTE :
1. Max height = 4420 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Refer to Acoustic Engineers Report for verification of STC values
6. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

16 CEMENT BOARD
92 METAL STUDS @ 400 o.c. SPACED 15 from WALL
89 SOUND ATTENUATION BATTS
P1 (CONC.) OR P2 (CONC. BLK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	NOTE 5	125

P3 D2 — 92 METAL STUDS ACOUSTIC FURRING

NOTE :
1. Max height = 4420 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Refer to Acoustic Engineers Report for verification of STC values
6. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GYPSUM WALL BOARD
92 METAL STUDS @ 400 o.c. SPACED 15 from WALL
89 SOUND ATTENUATION BATTS
P1 (CONC.) OR P2 (CONC. BLK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	NOTE 5	120

P3 D1 — 92 METAL STUDS FURRING / PIPE SPACES

NOTE :
1. Max height = 4420 ST25 (L/240)
2. Provide densglass to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD
92 METAL STUDS @ 400 o.c.

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	105

P3 C6 — 64 METAL STUDS GENERAL USE, FIRE-RATED

NOTE :
1. Max height = 3810 ST25 (L/240)
2. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
3. Penetrations must be protected to ensure continuity of fire separation.
4. Partial penetrations must be boxed out, or provided with approved fire-backing material (ie. perlite).
5. Thru-penetrations must be provided with an approved ULC fire-stop and smoke-seal protection.
6. Refer to ULC-W-453 for complete assembly requirements

16 GYPSUM WALL BOARD, FIRE-CODE 'C'
64 METAL STUDS @ 400 o.c.
16 GYPSUM WALL BOARD, FIRE-CODE 'C'

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
1.0 hr.	ULC W453	-	47	95

P3 C5 — 64 METAL STUDS GENERAL USE, ACOUSTIC

NOTE :
1. Max height = 3810 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. Refer to Acoustic Engineers Report for verification of STC values
4. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GYPSUM WALL BOARD
64 METAL STUDS @ 400 o.c.
50 SOUND ATTENUATION BATTS
13 GYPSUM WALL BOARD

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	47	90

P3 C4 — 64 METAL STUDS GENERAL USE

NOTE :
1. Max height = 3810 ST25 (L/240)
2. Provide backer-board to tiled enclosures

13 GYPSUM WALL BOARD
64 METAL STUDS @ 400 o.c.
13 GYPSUM WALL BOARD

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	90

P3 C3 — 64 METAL STUDS INSULATED FURRING

NOTE :
1. Max height = 3350 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Maintain continous vapour barrier seal around perimeter of wall.

13 GYPSUM WALL BOARD
VAPOUR BARRIER
64 METAL STUDS @ 400 o.c. SPACED 15 from WALL
89 THERMAL INSULATION BATTS, MIN. 2.3 R.S.I.
BUILDING PAPER
P1 (CONC.) OR P2 (CONC. BLK) WALL
or
89 MINERAL WOOL THERMAL INSULATION BLANKETS, MIN. 2.3 R.S.I.
P1 (CONC.) OR P2 (CONC. BLK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	2.3	NOTE 5	105

Metal Stud Partition (P3 / A8-01) — SCALE N.T.S.

P3 C2 — 64 METAL STUDS ACOUSTIC FURRING

NOTE :
1. Max height = 3350 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Refer to Acoustic Engineers Report for verification of STC values
6. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GYPSUM WALL BOARD
75 SOUND ATTENUATION BATTS
64 METAL STUDS @ 400 o.c. SPACED 15 from WALL
P1 (CONC.) OR P2 (CONC. BLK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	NOTE 5	95

P3 C1 — 64 METAL STUDS FURRING / PIPE SPACES

NOTE :
1. Max height = 3350 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD
64 METAL STUDS @ 400 o.c.

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	80

P3 B4 — 41 METAL STUDS GENERAL USE

NOTE :
1. Max height = 2895 ST25 (L/240)
2. Provide backer-board to tiled enclosures

13 GYPSUM WALL BOARD
41 METAL STUDS @ 400 o.c.
13 GYPSUM WALL BOARD

NOTE :
FOR SUITE CEILING HEIGHT SOLD AT 3050mm 41 METAL STUDS FOR PARTITION P3-B4 TO BE @ 300mm O.C.

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	70

P3 B3 — 41 METAL STUDS INSULATED FURRING

NOTE :
1. Max height = 2515 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Maintain continous vapour barrier seal around perimeter of wall.

13 GYPSUM WALL BOARD
VAPOUR BARRIER
41 METAL STUDS @ 400 o.c. SPACED 15 from WALL
64 THERMAL INSULATION BATTS, MIN. 1.4 R.S.I.
BUILDING PAPER
P1 (CONC.) OR P2 (CONC. BLK) WALL
or
50 MINERAL WOOL THERMAL INSULATION BLANKETS MIN. 1.4 R.S.I.
P1 (CONC.) OR P2 (CONC. BLK) WALL

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	1.4	NOTE 5	70

P3 B2 — 41 METAL STUDS ACOUSTIC FURRING

NOTE :
1. Max height = 2515 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
5. Refer to Acoustic Engineers Report for verification of STC values
6. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

13 GYPSUM WALL BOARD
50 SOUND ATTENUATION BATTS
41 METAL STUDS @ 400 o.c. SPACED 15 from WALL
P1 (CONC.) OR P2 (CONC. BLK) WALL

NOTE :
WHERE BRACING IS REQUIRED USE ACOUSTIC TIEBACKS - REFER TO ACOUSTICAL REPORT

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	NOTE 5	70

P3 B1 — 41 METAL STUDS FURRING / PIPE SPACES

NOTE :
1. Max height = 2515 ST25 (L/240)
2. Provide backer-board to tiled enclosures
3. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
4. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD
41 METAL STUDS @ 400 o.c.

NOTE :
FOR SUITE CEILING HEIGHT SOLD AT 3050mm 41 METAL STUDS FOR PARTITION P3-B1 TO BE @ 300mm O.C.

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
-	-	-	-	55

P3 A5 — RESILIENT METAL CHANNELS ACOUSTIC

NOTE :
1. Provide backer-board to tile enclosures.
2. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
4. Refer to Acoustic Engineers Report for verification of STC values
5. Provide acoustic sealant to perimeter of entire wall and continuosly around all penetrations

2 LAYERS, 13 GYPSUM WALL BOARD
16 RESILIENT METAL CHANNELS @ 600 o.c.
25 SOUND ATTENUATION BATTS
P1 (CONC.) or P2 (CONC. BLK.) WALL.

F.R.R.	Refer.	R.	S.T.C.	NOM. THICKNESS
-	NOTE 3	-	VARIES	45

P3 A4 — RESILIENT METAL CHANNELS ACOUSTIC

NOTE :
1. Provide backer-board to tile enclosures.
2. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.
4. Refer to Acoustic Engineers Report for verification of STC values
5. Provide acoustic sealant to perimeter of entire wall and continuosly around all penetrations

13 GYPSUM WALL BOARD
16 RESILIENT METAL CHANNELS 600 O.C.
25 SOUND ATTENUATION BATTS
P1 (CONC.) or P2 (CONC. BLK.) WALL.

F.R.R.	Refer.	R.	S.T.C.	NOM. THICKNESS
-	NOTE 3	-	VARIES	30

P3 A3 — FURRING CHANNELS ACOUSTIC

NOTE :
1. Provide backer-board to tile enclosures.
2. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD
16 RESILIENT METAL CHANNELS
P1 (CONC.) or P2 (CONC. BLK.) WALL

F.R.R.	Refer.	R.	S.T.C.	NOM. THICKNESS
-	-	-	VARIES	30

P3 A2 — FURRING CHANNELS

NOTE :
1. Provide backer-board to tile enclosures.
2. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD
25 METAL FURRING CHANNELS @ 400 O.C.
P1 (CONC.) or P2 (CONC. BLK.) WALL.

F.R.R.	Refer.	R.	S.T.C.	NOM. THICKNESS
-	-	-	-	40

P3 A1 — LAMINATED DRYWALL

NOTE :
1. Provide backer-board to tile enclosures.
2. All concrete form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation through back-up concrete structure, or concrete block walls to be verified prior to covering/concealing in any way.

13 GYPSUM WALL BOARD LAMINATED TO P1 (CONC.) or P2 (CONC. BLK.) WALL TYPE.

NOTE:
ARTSCAPE / AFFORDABLE COMPONENT
ABUSE RESISTANT DRYWALL TO BE USED ON ALL ARTSCAPE / AFFORDABLE LOBBY AND CORRIDOR WALLS.

F.R.R.	Refer.	R.	S.T.C.	NOM. THICKNESS
-	-	-	-	15

Concrete Block Partition (P2 / A8-01) — SCALE N.T.S.

P2 F2 — LIGHTWEIGHT CONCRETE BLOCK ACOUSTIC CHILLER / GENERATOR ROOMS

NOTE :
1. Maximum height guideline is 5040 (non-load bearing), 2800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.
7. Refer to Acoustic Engineers Report for verification of STC values
8. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

FIRE-RATING :
9. Refer to individual block assemblies for F.R.R. testing references.

Refer to A8 / P2 | B2
50 ACOUSTIC INSULATION BOARD

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
2.0 hr	Note-9	-	55 Note-7	190

P2 F1 — LIGHTWEIGHT CONCRETE BLOCK ACOUSTIC CHILLER / GENERATOR ROOMS

NOTE :
1. Maximum height guideline is 5040 (non-load bearing), 2800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.
7. Refer to Acoustic Engineers Report for verification of STC values
8. Provide acoustic sealant to perimeter of entire wall, and continuously around all penetrations.

FIRE-RATING :
9. Refer to individual block assemblies for F.R.R. testing references.

Refer to A8 / P2 | B2
Refer to A8 / P2 | B2
50 ACOUSTIC INSULATION BOARD

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
2.0 hr	Note-9	-	55 Note-7	330

P2 C3 — 190 CONCRETE BLOCK, LIGHTWEIGHT GENERAL USE

NOTE :
1. Maximum height guideline is 6840 (non-load bearing), 3800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :
7a. N.B.C. 2010 Table D-2.1.1 for Type L2-20S Concrete (O.B.C. 2012 SB-2 Table 2.1.1 for Type L2-20S Concrete)
7b. ULC U905 - Type L2-20S Concrete, ULC tested suppliers ONLY 2.0 hr. F.R.R.

190 CONCRETE BLOCK, STANDARD HOLLOW (56% SOLID), LIGHTWEIGHT CONCRETE TYPE L2-20S c/w TWO COATS OF PAINT TO UNFINISHED SIDE (as per O.B.C. SB-3 TABLE 1 NOTE 3) WHERE STC IS REQUIRED.

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
2.0hr	Note-7	106	48	190

P2 C2 — 190 CONCRETE BLOCK 75% SOLID - GENERAL USE

NOTE :
1. Maximum height guideline is 6840 (non-load bearing), 3800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :
7a. N.B.C. 2010 Table D-2.1.1 for Type S or N Concrete (O.B.C. 2012 SB-2 Table 2.1.1 for Type S or N Concrete)
7b. ULC 904 - Type N/S Concrete, ULC Tested Suppliers ONLY 3.0 hr F.R.R.

190 CONCRETE BLOCK, 75% SOLID (78% SOLID) c/w TWO COATS OF PAINT TO UNFINISHED SIDE (as per O.B.C. SB-3 TABLE 1 NOTE 3) WHERE STC IS REQUIRED.

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
3.0 hr.	Note-7	148	51	190

P2 C1 — 190 CONCRETE BLOCK, STANDARD GENERAL USE

NOTE :
1. Maximum height guideline is 6840 (non-load bearing), 3800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :
7a. N.B.C. 2010 Table D-2.1.1 for Type S or N Concrete (O.B.C. 2012 SB-2 Table 2.1.1 for Type S or N Concrete)
7b. ULC U905 - Type N / S Concrete, ULC tested suppliers ONLY 2.0hr. F.R.R.

190 CONCRETE BLOCK, STANDARD HOLLOW (56% SOLID) c/w TWO COATS OF PAINT TO UNFINISHED SIDE (as per O.B.C. SB-3 TABLE 1 NOTE 3) WHERE STC IS REQUIRED.

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
1.5 hr.	Note-7	106	48	190

P2 B3 — 140 CONCRETE BLOCK, LIGHTWEIGHT GENERAL USE

NOTE :
1. Maximum height guideline is 5040 (non-load bearing), 2800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :
7. N.B.C. 2010 Table D-2.1.1 for Type L2-20S Concrete (O.B.C. 2012 SB-2 Table 2.1.1 for Type L2-20S Concrete)

140 CONCRETE BLOCK, STANDARD HOLLOW (58% SOLID), LIGHTWEIGHT CONCRETE TYPE L2-20S c/w TWO COATS OF PAINT TO UNFINISHED SIDE (as per O.B.C. SB-3 TABLE 1 NOTE 3) WHERE STC IS REQUIRED.

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
1.5 hr.	Note-7	81	48	140

P2 B2 — 140 CONCRETE BLOCK, 75% SOLID - GENERAL USE

NOTE :
1. Maximum height guideline is 5040 (non-load bearing), 2800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :
7. N.B.C. 2010 Table D-2.1.1 for Type S or N Concrete (O.B.C. 2012 SB-2 Table 2.1.1 for Type S or N Concrete.)

140 CONCRETE BLOCK, (80% SOLID) c/w TWO COATS OF PAINT TO UNFINISHED SIDE (as per O.B.C. SB-3 TABLE 1 NOTE 3) WHERE STC IS REQUIRED.

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
2.0 hr	Note-7	112	48	140

P2 B1 — 140 CONCRETE BLOCK, STANDARD GENERAL USE

NOTE :
1. Maximum height guideline is 5040 (non-load bearing), 2800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :
7. N.B.C. 2010 Table D-2.1.1 for Type S or N Concrete (O.B.C. 2012 SB-2 Table 2.1.1 for Type S or N Concrete)

140 CONCRETE BLOCK, STANDARD HOLLOW (58% SOLID) c/w TWO COATS OF PAINT TO UNFINISHED SIDE (as per O.B.C. SB-3 TABLE 1 NOTE 3) WHERE STC IS REQUIRED.

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
1.0 hr.	Note-7	81	48	140

P2 A1 — 90 CONCRETE BLOCK, STANDARD GENERAL USE

NOTE :
1. Maximum height guideline is 3240 (non-load bearing), 1800 (load bearing)
2. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
3. Thru-penetrations must be protected by approved ULC fire-stop assemblies to ensure continuity of fire separation.
4. Partial penetrations are NOT permitted.
5. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
6. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :
7. N.B.C. 2010 Table D-2.1.1 for Type S or N Concrete (O.B.C. 2012 SB-2 Table 2.1.1 for Type S or N Concrete)

90 CONCRETE BLOCK, STANDARD HOLLOW (73% SOLID) c/w TWO COATS OF PAINT TO UNFINISHED SIDE (as per O.B.C. SB-3 TABLE 1 NOTE 3) WHERE STC IS REQUIRED.

F.R.R.	Refer.	Min.Equiv.Thk (mm)	S.T.C.	NOM. THICKNESS
45 min	Note-7	66	48	90

Concrete Partition (P1 / A8-01) — SCALE N.T.S.

P1 A — UNFINISHED STRUCTURE

NOTE :
1. Refer to Structural Engineering Drawings for concrete thicknesses and performance criteria.
2. All form tie-holes to be filled with mineral wool fire-stop and ULC Rated fire-sealants.
3. Continuity of fire-separation around all thru-penetrations to be maintained by ULC approved fire-stop assembly.
4. Partial penetrations, whereby full thickness of concrete structure is reduced, are not permitted as effective fire-rating is also reduced.
5. Continuity of fire-separation to be verified prior to covering concrete structure in any way.

CAST-IN-PLACE CONCRETE STRUCTURE (Refer to Structural Engineering Drawings)

F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
2.0 hr.	O.B.C. SB-2 TABLE 2.1.1	-	-	200 MIN.

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KIRKOR ARCHITECTS + PLANNERS
20 Martin Ross Avenue, Toronto, Ontario, M3J 2K8
T(416) 665-6060, F(416) 665-1234, www.kirkorarchitects.com

No.:	Revision	Date

PROGRESS SET
July 11, 2016

No	Issued For	Date
4.	Roofing Tender	Feb 8, 2016
3.	Tender	Oct. 15, 2015
2.	Building Permit	June 12, 2015
1.	Waterfront Toronto Review	May 1, 2015

AQUAVISTA AT BAYSIDE TORONTO

Drawing Title
Wall Types
Interior Partition Assemblies

Project
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
263 Queens Quay East
Toronto, ON

Scale: N.T.S.
Drawn by: M.N.
Checked by: C.A.
Project No.: 13148
Date: July 11, 2016
Drawing No.: A8-01