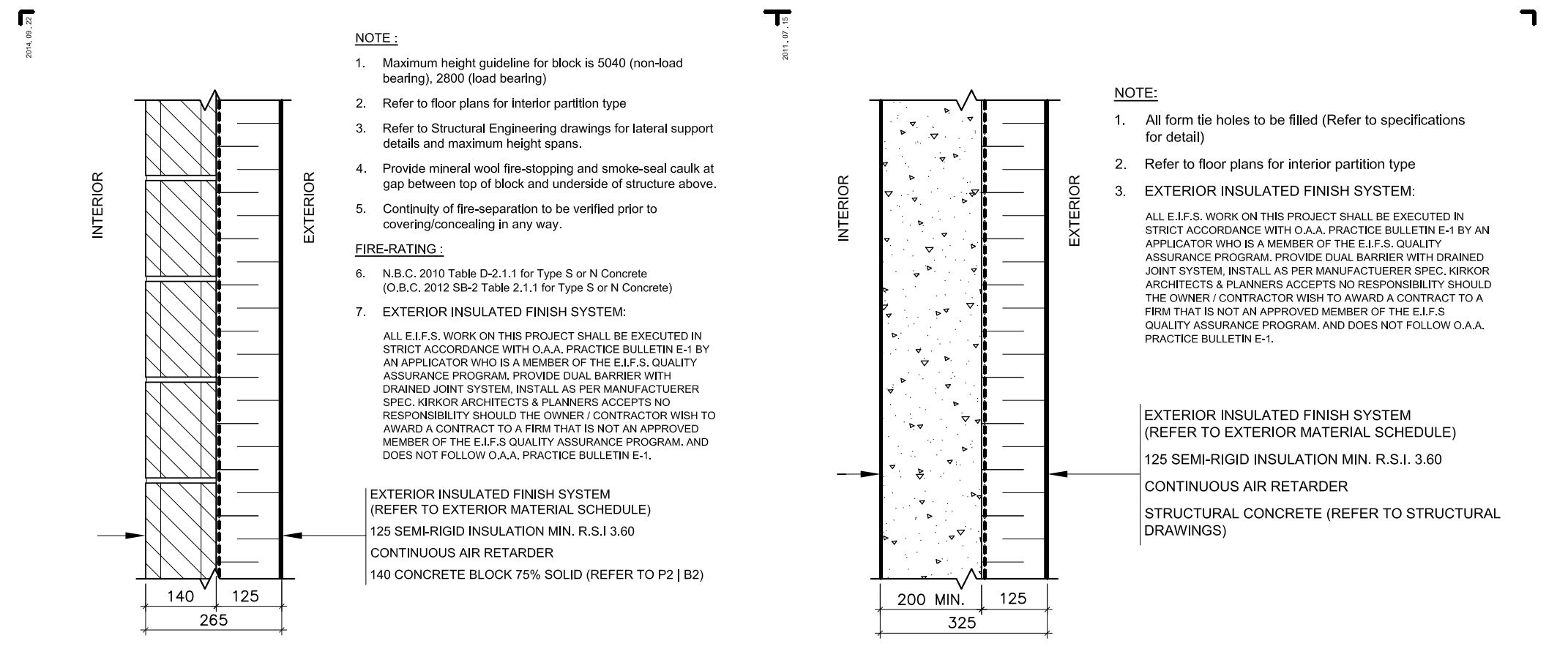


NOTE :

1. Maximum height guideline for block is 5040 (non-load bearing), 2800 (load bearing)
2. Refer to floor plans for interior partition type
3. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
4. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
5. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :

6. 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)
7. EXTERIOR INSULATED FINISH SYSTEM:

ALL E.I.F.S. WORK ON THIS PROJECT SHALL BE EXECUTED IN STRICT ACCORDANCE WITH O.A.A. PRACTICE BULLETIN E-1 BY AN APPLICATOR WHO IS A MEMBER OF THE E.I.F.S. QUALITY ASSURANCE PROGRAM. PROVIDE DUAL BARRIER WITH DRAINED JOINT SYSTEM, INSTALL AS PER MANUFACTUERER SPEC. KIRKOR ARCHITECTS & PLANNERS ACCEPTS NO RESPONSIBILITY SHOULD THE OWNER / CONTRACTOR WISH TO AWARD A CONTRACT TO A FIRM THAT IS NOT AN APPROVED MEMBER OF THE E.I.F.S QUALITY ASSURANCE PROGRAM. AND DOES NOT FOLLOW O.A.A. PRACTICE BULLETIN E-1.

EXTERIOR INSULATED FINISH SYSTEM (REFER TO EXTERIOR MATERIAL SCHEDULE)
125 SEMI-RIGID INSULATION MIN. R.S.I 3.60
CONTINUOUS AIR RETARDER
140 CONCRETE BLOCK 75% SOLID (REFER TO P2 | B2)

NOTE:

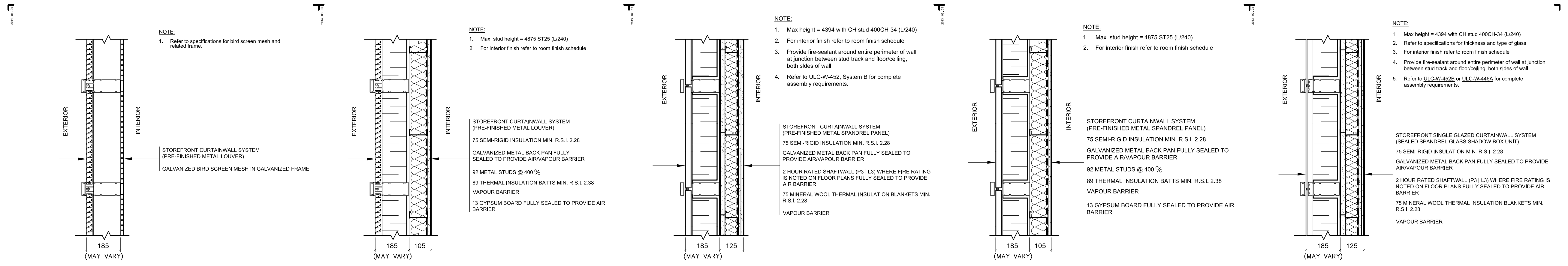
1. All form tie holes to be filled (Refer to specifications for detail)
2. Refer to floor plans for interior partition type
3. EXTERIOR INSULATED FINISH SYSTEM:

ALL E.I.F.S. WORK ON THIS PROJECT SHALL BE EXECUTED IN STRICT ACCORDANCE WITH O.A.A. PRACTICE BULLETIN E-1 BY AN APPLICATOR WHO IS A MEMBER OF THE E.I.F.S. QUALITY ASSURANCE PROGRAM. PROVIDE DUAL BARRIER WITH DRAINED JOINT SYSTEM, INSTALL AS PER MANUFACTUERER SPEC. KIRKOR ARCHITECTS & PLANNERS ACCEPTS NO RESPONSIBILITY SHOULD THE OWNER / CONTRACTOR WISH TO AWARD A CONTRACT TO A FIRM THAT IS NOT AN APPROVED MEMBER OF THE E.I.F.S QUALITY ASSURANCE PROGRAM. AND DOES NOT FOLLOW O.A.A. PRACTICE BULLETIN E-1.

EXTERIOR INSULATED FINISH SYSTEM (REFER TO EXTERIOR MATERIAL SCHEDULE)
125 SEMI-RIGID INSULATION MIN. R.S.I. 3.60
CONTINUOUS AIR RETARDER
STRUCTURAL CONCRETE (REFER TO STRUCTURAL DRAWINGS)

	TYPE:	F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
W5 B4	E.I.F.S. ON 140 CONCRETE BLOCK 75% SOLID	2.0 hr.	NOTE-6	3.60	-	265
W5 A2	E.I.F.S. ON STRUCTURAL CONCRETE	2.0 hr.	-	3.60	-	325

E.I.F.S. Wall Construction
W5 A8-03
SCALE N.T.S.



NOTE:

1. Refer to specifications for bird screen mesh and related frame.

STOREFRONT CURTAINWALL SYSTEM (PRE-FINISHED METAL LOUVER)
GALVANIZED BIRD SCREEN MESH IN GALVANIZED FRAME

NOTE:

1. Max. stud height = 4875 ST25 (L/240)
2. For interior finish refer to room finish schedule

STOREFRONT CURTAINWALL SYSTEM (PRE-FINISHED METAL LOUVER)
75 SEMI-RIGID INSULATION MIN. R.S.I. 2.28
GALVANIZED METAL BACK PAN FULLY SEALED TO PROVIDE AIR/VAPOUR BARRIER
92 METAL STUDS @ 400 O/C
89 THERMAL INSULATION BATTS MIN. R.S.I. 2.38
VAPOUR BARRIER
13 GYPSUM BOARD FULLY SEALED TO PROVIDE AIR BARRIER

NOTE:

1. Max height = 4394 with CH stud 400CH-34 (L/240)
2. For interior finish refer to room finish schedule
3. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
4. Refer to ULC-W-452, System B for complete assembly requirements.

STOREFRONT CURTAINWALL SYSTEM (PRE-FINISHED METAL SPANDREL PANEL)
75 SEMI-RIGID INSULATION MIN. R.S.I. 2.28
GALVANIZED METAL BACK PAN FULLY SEALED TO PROVIDE AIR/VAPOUR BARRIER
2 HOUR RATED SHAFTWALL (P3 | L3) WHERE FIRE RATING IS NOTED ON FLOOR PLANS FULLY SEALED TO PROVIDE AIR BARRIER
75 MINERAL WOOL THERMAL INSULATION BLANKETS MIN. R.S.I. 2.28
VAPOUR BARRIER

NOTE:

1. Max. stud height = 4875 ST25 (L/240)
2. For interior finish refer to room finish schedule

STOREFRONT CURTAINWALL SYSTEM (PRE-FINISHED METAL SPANDREL PANEL)
75 SEMI-RIGID INSULATION MIN. R.S.I. 2.28
GALVANIZED METAL BACK PAN FULLY SEALED TO PROVIDE AIR/VAPOUR BARRIER
92 METAL STUDS @ 400 O/C
89 THERMAL INSULATION BATTS MIN. R.S.I. 2.38
VAPOUR BARRIER
13 GYPSUM BOARD FULLY SEALED TO PROVIDE AIR BARRIER

NOTE:

1. Max height = 4394 with CH stud 400CH-34 (L/240)
2. Refer to specifications for thickness and type of glass
3. For interior finish refer to room finish schedule
4. Provide fire-sealant around entire perimeter of wall at junction between stud track and floor/ceiling, both sides of wall.
5. Refer to ULC-W-452B or ULC-W-446A for complete assembly requirements.

STOREFRONT SINGLE GLAZED CURTAINWALL SYSTEM (SEALED SPANDREL GLASS SHADOW BOX UNIT)
75 SEMI-RIGID INSULATION MIN. R.S.I. 2.28
GALVANIZED METAL BACK PAN FULLY SEALED TO PROVIDE AIR/VAPOUR BARRIER
2 HOUR RATED SHAFTWALL (P3 | L3) WHERE FIRE RATING IS NOTED ON FLOOR PLANS FULLY SEALED TO PROVIDE AIR BARRIER
75 MINERAL WOOL THERMAL INSULATION BLANKETS MIN. R.S.I. 2.28
VAPOUR BARRIER

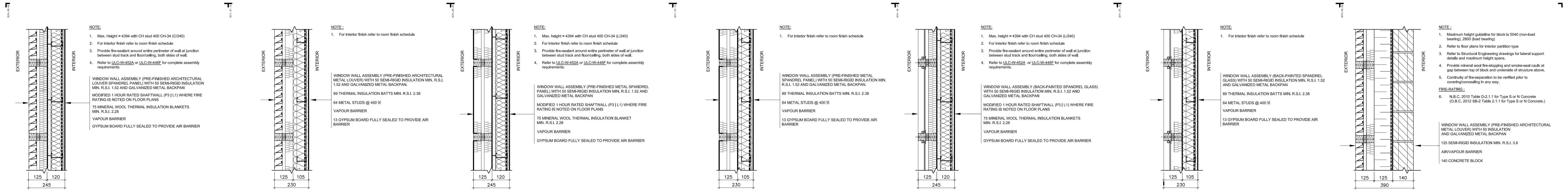
	TYPE:	F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
W4 C15	STOREFRONT METAL LOUVER CURTAINWALL SYSTEM	-	-	-	-	185
W4 C14	STOREFRONT METAL LOUVER CURTAINWALL SYSTEM	-	-	4.66	-	290
W4 C12	STOREFRONT METAL PANEL CURTAINWALL SYSTEM WITH FIRE RATED WALL	2.0 hr.	ULC-W-452 B	4.56	-	310
W4 C11	STOREFRONT METAL PANEL CURTAINWALL SYSTEM	-	-	4.66	-	290
W4 C9	STOREFRONT SPANDREL GLASS CURTAINWALL SYSTEM WITH FIRE RATED WALL	2.0 hr.	NOTE 5	4.56	-	310

Storefront Curtain Wall Construction
W4 A8-03
SCALE N.T.S.

EXTERIOR
INTERIOR
185
105
50
140
190
200 MIN.
(MAY VARY)

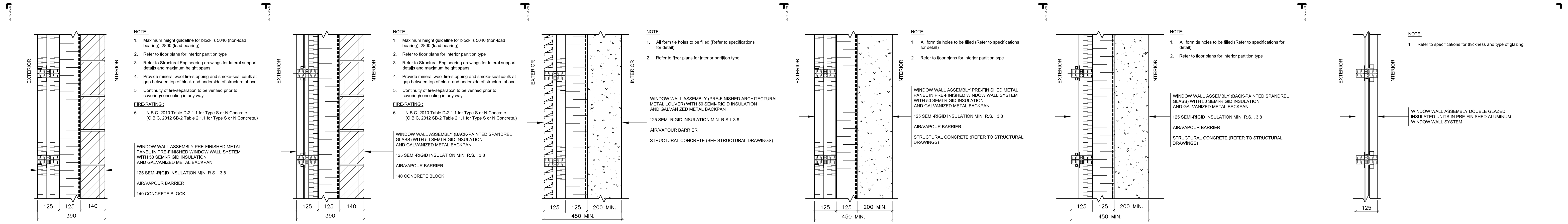
	TYPE:	F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
W4 C8	STOREFRONT SPANDREL GLASS CURTAINWALL SYSTEM	-	-	4.66	-	290
W4 B9	STOREFRONT METAL PANEL CURTAINWALL SYSTEM ON 140 CONCRETE BLOCK 75% SOLID	2.0 hr.	-	3.04	-	375
W4 B8	STOREFRONT METAL PANEL CURTAINWALL SYSTEM ON 190 CONCRETE BLOCK	2.0 hr.	-	3.04	-	425
W4 B7	STOREFRONT METAL PANEL CURTAINWALL SYSTEM ON 140 CONCRETE BLOCK 75% SOLID	2.0 hr,	-	3.04	-	375
W4 B6	STOREFRONT SPANDREL GLASS CURTAINWALL SYSTEM ON 190 CONCRETE BLOCK	2.0 hr.	-	3.04	-	425
W4 B5	STOREFRONT SPANDREL GLASS CURTAINWALL SYSTEM ON 140 CONCRETE BLOCK 75% SOLID	2.0 hr.	-	3.04	-	375
W4 A5	STOREFRONT METAL LOUVER CURTAINWALL SYSTEM	-	-	3.04	-	435
W4 A4	STOREFRONT METAL PANEL CURTAINWALL SYSTEM ON STRUCTURAL CONCRETE	2.0 hr.	-	3.04	-	435
W4 A3	STOREFRONT SPANDREL GLASS CURTAINWALL SYSTEM ON STRUCTURAL CONCRETE	2.0 hr.	-	3.04	-	435
W4 SF	STOREFRONT CURTAINWALL SYSTEM	-	-	-	-	185

Storefront Curtain Wall Construction
W4 A8-03
SCALE N.T.S.



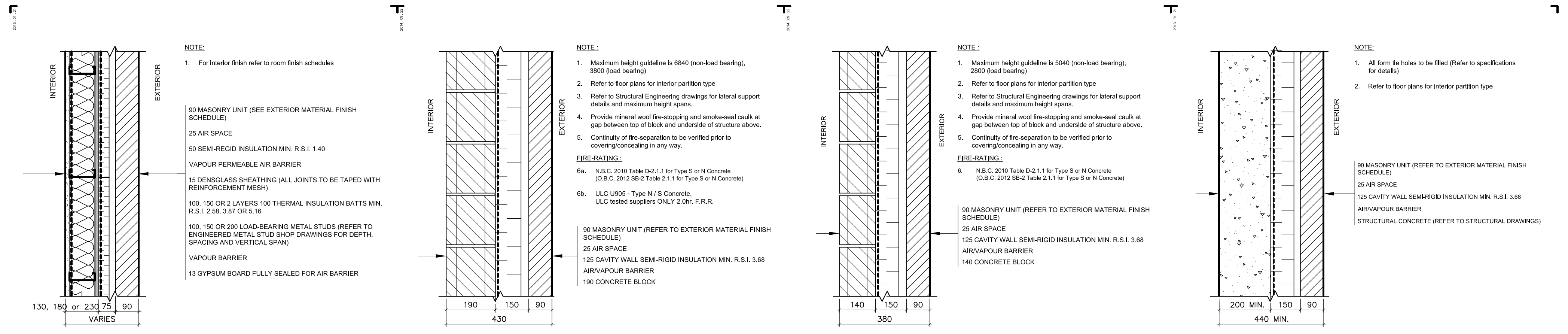
	TYPE:	F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
W3 C8	FIRE RATED ARCHITECTURAL METAL LOUVER ON SPANDREL PANEL	1.0 hr.	NOTE 4	3.8	-	245
W3 C7	ARCHITECTURAL METAL LOUVER ON SPANDREL PANEL	-	-	3.9	-	230
W3 C5	FIRE RATED METAL SPANDREL PANEL	1.0 hr.	NOTE 4	3.8	-	245
W3 C4	METAL SPANDREL PANEL	-	-	3.9	-	230
W3 C2	FIRE RATED GLASS SPANDREL PANEL	1.0 hr.	NOTE 4	3.8	-	245
W3 C1	GLASS SPANDREL PANEL	-	-	3.9	-	230
W3 B7	ARCHITECTURAL METAL LOUVER ON 140 CONCRETE BLOCK 75% SOLID	1.0 hr.	-	3.8	-	390

Window Wall Construction
W3 A8-03
SCALE N.T.S.



	TYPE:	F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
W3 B4	METAL SPANDREL PANEL ON 140 CONCRETE BLOCK 75% SOLID	1.0 hr.	-	3.8	-	390
W3 B1	GLASS SPANDREL PANEL ON 140 CONCRETE BLOCK 75% SOLID	1.0 hr.	-	3.8	-	390
W3 A3	ARCHITECTURAL METAL LOUVER ON STRUCTURAL CONCRETE	2.0 hr.	-	3.8	-	450 MIN.
W3 A2	METAL SPANDREL PANEL ON CONCRETE	2.0 hr.	-	3.8	-	450 MIN.
W3 A1	GLASS SPANDREL PANEL ON CONCRETE	2.0 hr.	-	3.8	-	450 MIN.
W3 -	VISION PANEL	-	-	-	-	125

Window Wall Construction
W3 A8-03
SCALE N.T.S.



NOTE:

1. For interior finish refer to room finish schedules

90 MASONRY UNIT (SEE EXTERIOR MATERIAL FINISH SCHEDULE)
25 AIR SPACE
50 SEMI-REGID INSULATION MIN. R.S.I. 1.40
VAPOUR PERMEABLE AIR BARRIER
15 DENSGLASS SHEATHING (ALL JOINTS TO BE TAPED WITH REINFORCEMENT MESH)
100, 150 OR 2 LAYERS 100 THERMAL INSULATION BATTS MIN. R.S.I. 2.58, 3.87 OR 5.16
100, 150 OR 200 LOAD-BEARING METAL STUDS (REFER TO ENGINEERED METAL STUD SHOP DRAWINGS FOR DEPTH, SPACING AND VERTICAL SPAN)
VAPOUR BARRIER
13 GYPSUM BOARD FULLY SEALED FOR AIR BARRIER

NOTE :

1. Maximum height guideline is 6840 (non-load bearing), 3800 (load bearing)
2. Refer to floor plans for interior partition type
3. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
4. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
5. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :

6a. 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)
6b. ULC U905 - Type N / S Concrete, ULC tested suppliers ONLY 2.0hr. F.R.R.

90 MASONRY UNIT (REFER TO EXTERIOR MATERIAL FINISH SCHEDULE)
25 AIR SPACE
125 CAVITY WALL SEMI-RIGID INSULATION MIN. R.S.I. 3.68
AIR/VAPOUR BARRIER
190 CONCRETE BLOCK

NOTE :

1. Maximum height guideline is 5040 (non-load bearing), 2800 (load bearing)
2. Refer to floor plans for interior partition type
3. Refer to Structural Engineering drawings for lateral support details and maximum height spans.
4. Provide mineral wool fire-stopping and smoke-seal caulk at gap between top of block and underside of structure above.
5. Continuity of fire-separation to be verified prior to covering/concealing in any way.

FIRE-RATING :

6. 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 MASONRY UNIT (REFER TO EXTERIOR MATERIAL FINISH SCHEDULE)
25 AIR SPACE
125 CAVITY WALL SEMI-RIGID INSULATION MIN. R.S.I. 3.68
AIR/VAPOUR BARRIER
140 CONCRETE BLOCK

NOTE:

1. All form tie holes to be filled (Refer to specifications for details)
2. Refer to floor plans for interior partition type

90 MASONRY UNIT (REFER TO EXTERIOR MATERIAL FINISH SCHEDULE)
25 AIR SPACE
125 CAVITY WALL SEMI-RIGID INSULATION MIN. R.S.I. 3.68
AIR/VAPOUR BARRIER
STRUCTURAL CONCRETE (REFER TO STRUCTURAL DRAWINGS)

	TYPE:	F.R.R.	Refer.	R.S.I.	S.T.C.	NOM. THICKNESS
W1 C1	MASONRY VENEER WITH LOAD-BEARING METAL STUDS	-	-	3.60 MIN.	-	295, 345, 395
W1 B2	TRUE CAVITY WALL 190 CONCRETE BLOCK WITH 90 MASONRY VENEER	1.5 hr.	-	3,68	-	430
W1 B1	TRUE CAVITY WALL 140 CONCRETE BLOCK 75 % SOLID WITH 90 MASONRY VENEER	1.0 hr.	-	3,68	-	380
W1 A1	TRUE CAVITY WALL STRUCTURAL CONCRETE WITH 90 MASONRY VENEER	2.0 hr.	-	3,68	-	440 MIN.

Brick Wall Construction
W1 A8-03
SCALE N.T.S.

Contractor Must Check And Verify All Dimensions On The Job.

Do Not Scale The Drawings.

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Date: June 12, 2015

CARLOS ANTUNES
LICENCE
4890
SEAL MUST BE SIGNED TO BE VALID
Building Permit

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No.:	Revision	Date

No	Issued For	Date
2.	Building Permit	June 12, 2015
1.	Waterfront Toronto Review	May 1, 2015

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
Wall Types
Exterior Wall 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: June 12, 2015
Drawing No.: A8-03