



CITY OF TORONTO MULTIPLEX
SIXPLEX NARROW

GENERAL NOTES:

- QUALIFIED DESIGN PROFESSIONAL (QDP)

- | SHEET LIST - SIXPLEX NARROW | |
|-----------------------------|------------------------------|
| 000 | COVER |
| A000 | COVER SHEET |
| A001 | ASSEMBLIES SCHEDULE |
| A002 | DOOR AND WINDOW SCHEDULE |
| A003 | INTERIOR TYPICAL DETAILS |
| A004 | EXTERIOR TYPICAL DETAILS |
| A005 | EXTERIOR TYPICAL DETAILS |
| A006 | EXTERIOR TYPICAL DETAILS |
| A010 | EBF DIAGRAMS AND CODE MATRIX |
| A011 | SITE PLAN |
| A100 | BASEMENT FLOOR PLAN |
| A101 | MAIN FLOOR PLAN |
| A102 | SECOND FLOOR PLAN |
| A103 | THIRD FLOOR PLAN |
| A104 | ROOF PLAN |
| A200 | ELEVATIONS |
| A201 | ELEVATIONS |
| A202 | ELEVATIONS |
| A300 | SECTIONS |
| A301 | SECTIONS |
| A302 | SECTIONS |

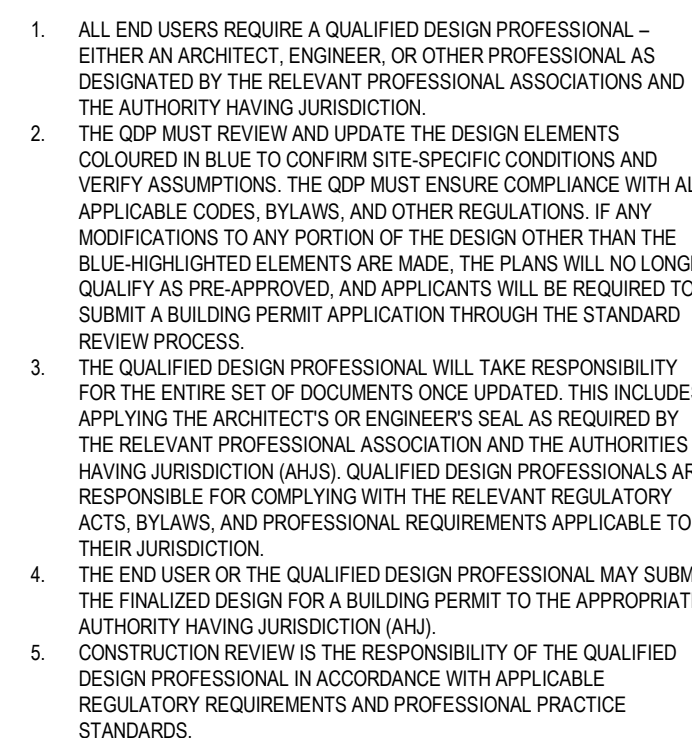
ABBREVIATIONS MAY OR MAY NOT INCLUDE
PERIOD PUNCTUATION.
ABBREVIATIONS APPLY TO ARCHITECTURAL
DOCUMENTS ONLY.

ASSEMBLY TAGS (REFER TO ASSEMBLIES SCHEDULES)

€ CENTRELINE

NO.	DATE	DESCRIPTION
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A000



A001

P - INTERIOR PARTITION ASSEMBLIES			
TYPE	DIAGRAM	DESCRIPTION	PERFORMANCE
P1		2x4 INTERIOR PARTITION 5/8"16mm 3 1/2"89mm 5/8"16mm GYPSUM BOARD WOOD STUD FRAMING @ 16"406mm OC GYPSUM BOARD	FRR N/A STC N/A 16mm 5/8" GYPSUM, TYPE X TO BE USED SUPPORTING STRUCTURE TO PROVIDE 1HR FRR - FRR BASED ON SB-2 TABLE 2.3.4.A. AND 2.3.4.E. - SEE DRAWINGS FOR LOCATIONS
P1a		2x4 INTERIOR PARTITION W/ BATTS 5/8"16mm 3 1/2"89mm 3 1/2"89mm 5/8"16mm GYPSUM BOARD WOOD STUD FRAMING @ 16"406mm OC CW ACOUSTIC BATT IN-FILL INSULATION GYPSUM BOARD	FRR N/A STC 36 16mm 5/8" GYPSUM, TYPE X TO BE USED SUPPORTING STRUCTURE TO PROVIDE 1HR FRR - FRR BASED ON SB-2 TABLE 2.3.4.A. AND 2.3.4.E. - SEE DRAWINGS FOR LOCATIONS
P1b		2x6 INTERIOR PARTITION W/ BATTS 5/8"16mm 5 1/2"140mm 5 1/2"140mm 5/8"16mm GYPSUM BOARD WOOD STUD FRAMING @ 16"406mm OC CW ACOUSTIC BATT IN-FILL INSULATION GYPSUM BOARD	FRR N/A STC 36 16mm 5/8" GYPSUM, TYPE X TO BE USED SUPPORTING STRUCTURE TO PROVIDE 1HR FRR - FRR BASED ON SB-2 TABLE 2.3.4.A. AND 2.3.4.E. - SEE DRAWINGS FOR LOCATIONS
P2		2x6 INTERIOR PARTITION - BETWEEN UNIT & STAIRS, RATED SEPARATION 5/8"16mm 5/8"16mm 1/2"13mm 5 1/2"140mm GYPSUM BOARD, TYPE X GYPSUM BOARD, TYPE X RESILIENT FURRING CHANNELS @ 16"406mm OC WOOD STUD FRAMING REFER TO STRUCT ACOUSTIC BATT IN-FILL INSULATION GYPSUM BOARD, TYPE X	FRR 1HR STC 51 FRR & STC BASED ON "W4a" AS PER CBC SB-3 PROVIDE PLYWOOD SHEATHING ON ONE FACE WHERE REQ. - SEE STRUCT. FOR LOCATIONS
P3		PLUMBING CHASE 5/8"16mm 1/2"13mm 3 1/2"89mm GYPSUM BOARD OR TILE BACKER PLYWOOD SHEATHING, WHERE REQ. WOOD STUD FRAMING @ 16"406mm OC	FRR N/A STC N/A
P4		2x4 DEMISING WALL - LOAD BEARING, RATED SEPARATION 5/8"16mm 3 1/2"89mm 3 1/2"89mm 1/25mm 3 1/2"89mm GYPSUM BOARD, TYPE X WOOD STUD FRAMING REFER TO STRUCT, CW ACOUSTIC BATT IN-FILL INSULATION AIR SPACE WOOD STUD FRAMING REFER TO STRUCT, CW ACOUSTIC BATT IN-FILL INSULATION GYPSUM BOARD, TYPE X	FRR 1HR STC 57 FRR & STC BASED ON "W13a" AS PER CBC SB-3 PROVIDE PLYWOOD SHEATHING ON ONE FACE WHERE REQ. - SEE STRUCT. FOR LOCATIONS

DOOR TYPES

Diagram illustrating ten different door types (A through J) with their dimensions labeled as WIDTH and HEIGHT. The types include:

- DOOR TYPE A: EXTERIOR ENTRY DOOR
- DOOR TYPE B: EXTERIOR GLASS PANEL
- DOOR TYPE C: EXTERIOR SOLID PANEL
- DOOR TYPE D: INTERIOR SOLID PANEL
- DOOR TYPE E: INTERIOR SOLID BI-PANEL
- DOOR TYPE F: INTERIOR QUADPANEL SLIDING DOOR
- DOOR TYPE G: INTERIOR BIFOCAL SLIDING DOOR
- DOOR TYPE H: INTERIOR PIVOT HINGE DOOR
- DOOR TYPE I: INTERIOR SOLID PANEL POCKET DOOR
- DOOR TYPE J: EXTERIOR GLASS PANEL W/ FIRE RATED GLAZING (WIRED GLASS)

WINDOW TYPES

WINDOW TYPE A 'FIXED'

WINDOW TYPE B 'CASEMENT'

**WINDOW TYPE C
FIXED, TWO PANEL, FIRE
RATED GLAZING SYSTEM
(WIRED GLASS)
SEE NOTE 16**

**WINDOW TYPE D
FIXED, TWO PANEL, FIRE
RATED GLAZING SYSTEM
(WIRED GLASS)
SEE NOTE 16**

**WINDOW TYPE E
'AWNING'**

**WINDOW TYPE F
'FIXED' W/ FIRE
PROTECTION**

**SKYLIGHT TYPE A
'FIXED'**

DOOR, WINDOW & SKYLIGHT GENERAL NOTES

1. WINDOWS AND DOORS TO CONFORM TO REQUIREMENTS OF OBC 9.7.3 AND 9.7.4.
2. ALL GLAZING TO MEET A MINIMUM U-VALUE OF 0.21 UNLESS OTHERWISE STATED IN SELECTED SB-12 COMPLIANCE PACKAGE.
3. MAXIMUM U-VALUE FOR WINDOWS AND DOORS TO CONFORM TO OBC TABLE 9.7.3.3 AND MNAH SUPPLEMENTARY STANDARD SB-12, 3.1.1.9 AND 3.1.1.10. WHERE THE U-VALUES DIFFER, THE MOST RESTRICTIVE U-VALUE SHALL APPLY.
4. ALL EXTERIOR DOORS SHALL HAVE A MINIMUM THERMAL RESISTANCE OF RSI 0.7 AND SHALL HAVE AN INSULATED CORE AND BE INSTALLED WITH WEATHERSTRIPPING AS PER SB-12 3.1.1.10.
5. FILL HOLLOW EXTERIOR DOOR FRAMES AND SPACE BETWEEN FRAMES AND ADJACENT MATERIALS WITH SPRAY FOAM INSULATION TO FULLY SEAL AGAINST ALL AIR INFILTRATION. PROVIDE BACKER ROD WHERE REQUIRED AND PROVIDE CONTINUOUS SEALANT AROUND FRAME TO PROVIDE AIR AND WATER TIGHT BARRIER.
6. ALL OPERABLE WINDOWS WITH A SILL HEIGHT OR OPERABLE SECTION LESS THAN 900mm ABOVE FINISHED FLOOR AND 1800mm ABOVE THE FLOOR OR GROUND ON THE OTHER SIDE OF THE WINDOW SHALL BE PROTECTED BY A SWING LIMITER RESTRICTING THE SWING TO NOT MORE THAN 100mm EITHER VERTICALLY OR HORIZONTALLY PER OBC 9.8.8.1. SEE ELEVATIONS FOR SILL HEIGHTS.
7. ALL GLASS TO MEET OBC 9.6.1.2. MATERIAL STANDARDS AND STRUCTURAL SUFFICIENCY REQUIREMENTS OF OBC 9.6.1.3.
8. ALL SIDELIGHTS OR GLAZING AT ENTRIES TO DWELLING UNITS TO BE TEMPERED OR LAMINATED PER 9.6.1.4.
9. ALL PRINCIPAL ENTRANCE DOORS, EXIT DOORS OR DOORS TO SUITES INCLUDING EXTERIOR DOORS TO DWELLING UNITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT KEYS AND DOOR RELEASE HARDWARE. SHALL BE GRASPABLE WITH ONE HAND. AND INSTALLED AT 900mm ABOVE FINISHED FLOOR AS PER OBC 9.9.6.7.
10. ALL DOORS WITHOUT GLAZING OR SIDELIGHT SHALL HAVE A DOOR VIEWER AS PER OBC 9.7.2.1.
11. STEEL DOOR FRAMES FORMING PART OF A CLOSURE IN A FIRE SEPARATION SHALL CONFORM TO OBC 9.10.13.6.
12. ALL DOORS IN A FIRE SEPARATION SHALL HAVE LATCH AS PER OBC 9.10.13.9 AND A SELF CLOSING DEVICE AS PER OBC 9.10.13.10.
13. ALL SKYLIGHTS TO BE SIZED AND INSTALLED PER MANUFACTURERS REQUIREMENTS.
14. ALL INTERIOR DOORS TO BE SOLID CORE WOOD DOORS WITH FINISH GRADE TRIM.
15. ALL GLAZING TO HAVE TO HAVE BIRD FRIENDLY GLAZING AS PER TORONTO GREEN STANDARD VERSION 4.0
16. ALL GLAZING AND OPENINGS IN EXTERIOR WALLS LOCATED WITHIN 3m HORIZONTALLY, 5m VERTICALLY ABOVE, AND 10m VERTICALLY BELOW ANY UNENCLOSED EXTERIOR EXIT STAIRWAY SHALL BE FIRE PROTECTED AS PER OBC 9.9.4.4 EITHER WITH GLASS WIRE GLASS INSTALLED IN FIXED STEEL FRAMES AS PER OBC 9.10.13.5. FIRE RATED INSULATED GLAZED UNITS THAT MEET CANULC-501 STANDARDS, SPRINKLER PROTECTED GLAZED WALL ASSEMBLY THAT MEETS THE REQUIREMENTS OF OBC 3.1.8.20 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING, OR A FIRE SHUTTER THAT MEETS THE REQUIREMENTS OF OBC 9.10.13.1(1) AND IS INSTALLED IN ACCORDANCE WITH CANULC S104. SEE EBF DIAGRAM AND KEY NOTES IN PLANS FOR LOCATIONS.

DOOR SCHEDULE (SIXPLEX NARROW)							
TAG	TYPE	METRIC SIZE (mm)		IMPERIAL SIZE (FT-IN")		FIRE RATING	NOTES
		WIDTH	HEIGHT	WIDTH	HEIGHT		
DA01	DOOR TYPE A	915	2032	3'-0"	6'-8"	1HR	DOOR VIEWER, SELF CLOSER
DB01	DOOR TYPE B	915	2032	3'-0"	6'-8"	N/A	
DC01	DOOR TYPE C	915	2032	3'-0"	6'-8"	1HR	SELF CLOSER
DD01	DOOR TYPE D	762	2032	2'-6"	6'-8"	N/A	
DD02	DOOR TYPE D	813	2032	2'-8"	6'-8"	N/A	
DD03	DOOR TYPE D	915	2032	3'-0"	6'-8"	N/A	
DD05	DOOR TYPE D	457	2032	1'-6"	6'-8"	N/A	
DF01	DOOR TYPE F	1829	2032	6'-0"	6'-8"	N/A	
DG01	DOOR TYPE G	864	2032	2'-10"	6'-8"	N/A	
DG03	DOOR TYPE G	1219	2032	4'-0"	6'-8"	N/A	
DG04	DOOR TYPE G	1524	2032	5'-0"	6'-8"	N/A	
DH01	DOOR TYPE H	REFER TO PLAN	2134	REFER TO PLAN	7'-0"	N/A	
DI03	DOOR TYPE I	711	2134	2'-4"	7'-0"	N/A	
DJ01	DOOR TYPE J	915	2032	3'-0"	6'-8"	N/A	

WINDOW SCHEDULE (SIXPLEX NARROW)							
TAG	TYPE	METRIC SIZE (mm)		IMPERIAL SIZE (ft-in)		GLAZING AREA	NOTES
		WIDTH	HEIGHT	WIDTH	HEIGHT		
SA01	SKYLIGHT TYPE A	851	851	2'-9 1/2"	2'-9 1/2"	0.5 m²	SILL HEIGHT MAX 750MM AFF
WB02	WINDOW TYPE B	610	1219	2'-0"	4'-0"	0.5 m²	
WB03	WINDOW TYPE B	1067	1372	3'-6"	4'-6"	1.0 m²	
WB04	WINDOW TYPE B	762	1219	2'-6"	4'-0"	0.6 m²	
WC01	WINDOW TYPE C	610	2083	2'-0"	6'-10"	0.9 m²	
WD01	WINDOW TYPE D	914	2083	3'-0"	6'-10"	1.3 m²	
WE01	WINDOW TYPE E	1219	610	4'-0"	2'-0"	0.5 m²	
WF01	WINDOW TYPE F	1524	2083	5'-0"	6'-10"	2.1 m²	
WF02	WINDOW TYPE F	1219	2083	4'-0"	6'-10"	1.7 m²	
WF03	WINDOW TYPE F	1829	2083	6'-0"	6'-10"	2.6 m²	
WF05	WINDOW TYPE F	1346	1901	4'-5"	6'-2 13/16"	1.7 m²	

PROFESSIONAL SEAL:

GENERAL NOTES

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – AN EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL ASSOCIATIONS AND DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND SOCIETIES HAVING JURISDICTION (HJUS).
2. THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND ASSUMPTIONS, THE QDP MUST REVIEW AND UPDATE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS, IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE COLOURED ELEMENTS ARE REQUIRED TO THE PLAN, THE QDP NO LONGER QUALIFIES AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
3. THE QDP DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED, THIS INCLUDES APPLYING THE ARCHITECTS OR ENGINEERS SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND SOCIETIES HAVING JURISDICTION (HJUS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY AGENCIES, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AGENCY HAVING JURISDICTION.
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL, IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

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NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

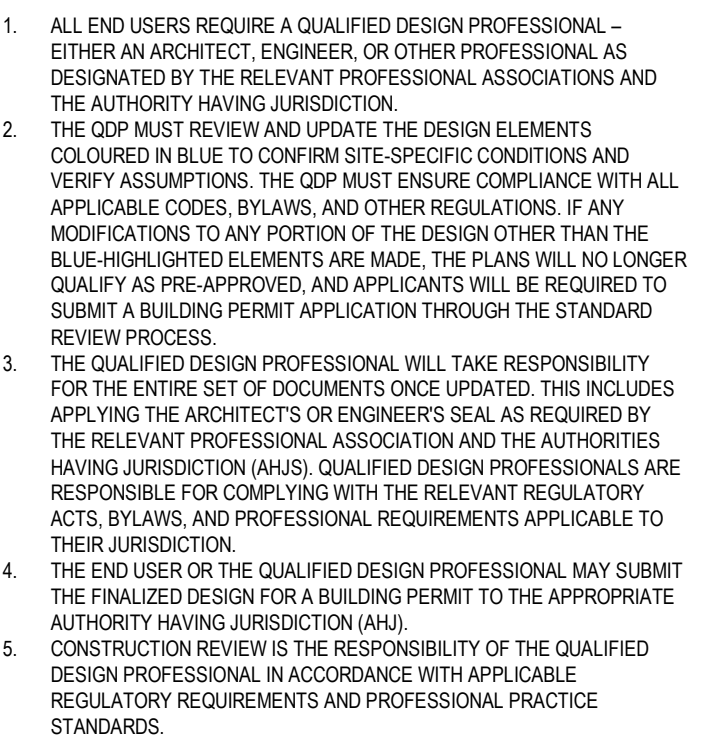
DOOR AND WINDOW SCHEDULE

PROJECT NO: 241058

SCALE: 1 : 50

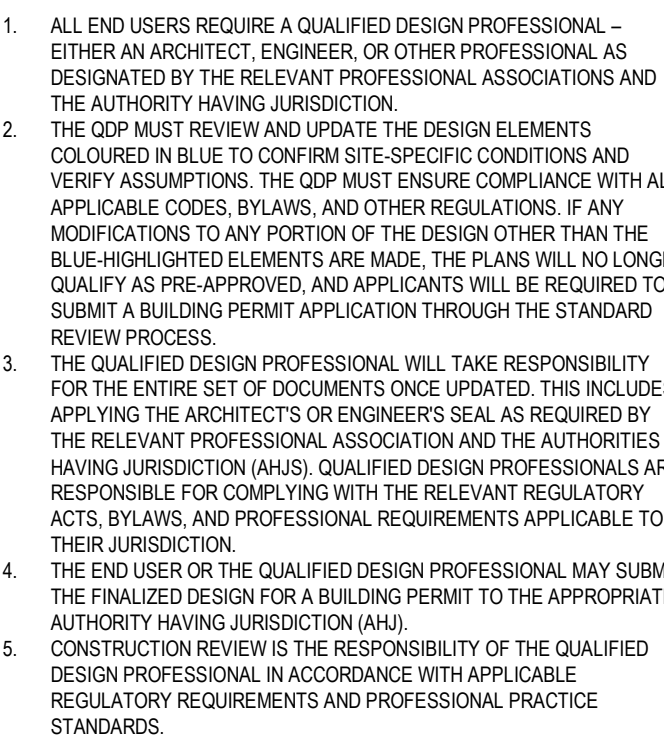
SHEET NO:

A002



A003

7 SECTION DETAIL - RADON MITIGATION OPTIONS
A003 1:10



NO.	DATE	DESCRIPTION
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A004

PROFESSIONAL SEAL:

GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
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3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
2. THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QDP MUST ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE, THE PLANS WILL NO LONGER QUALIFY AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO. DATE DESCRIPTION

PROJECT:
City of Toronto - Multiplex

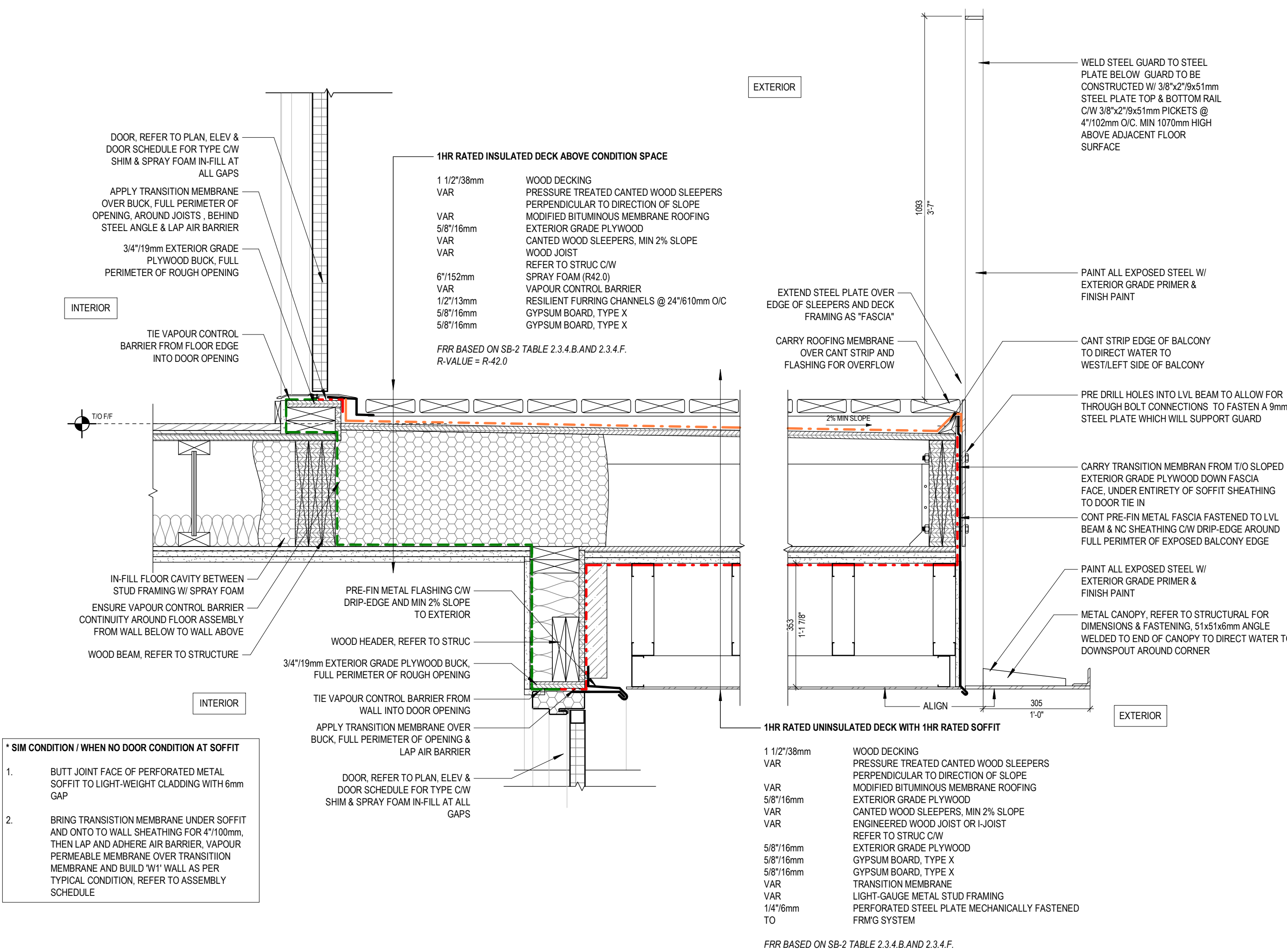
SIXPLEX NARROW

SHEET TITLE:
EXTERIOR TYPICAL
DETAILS

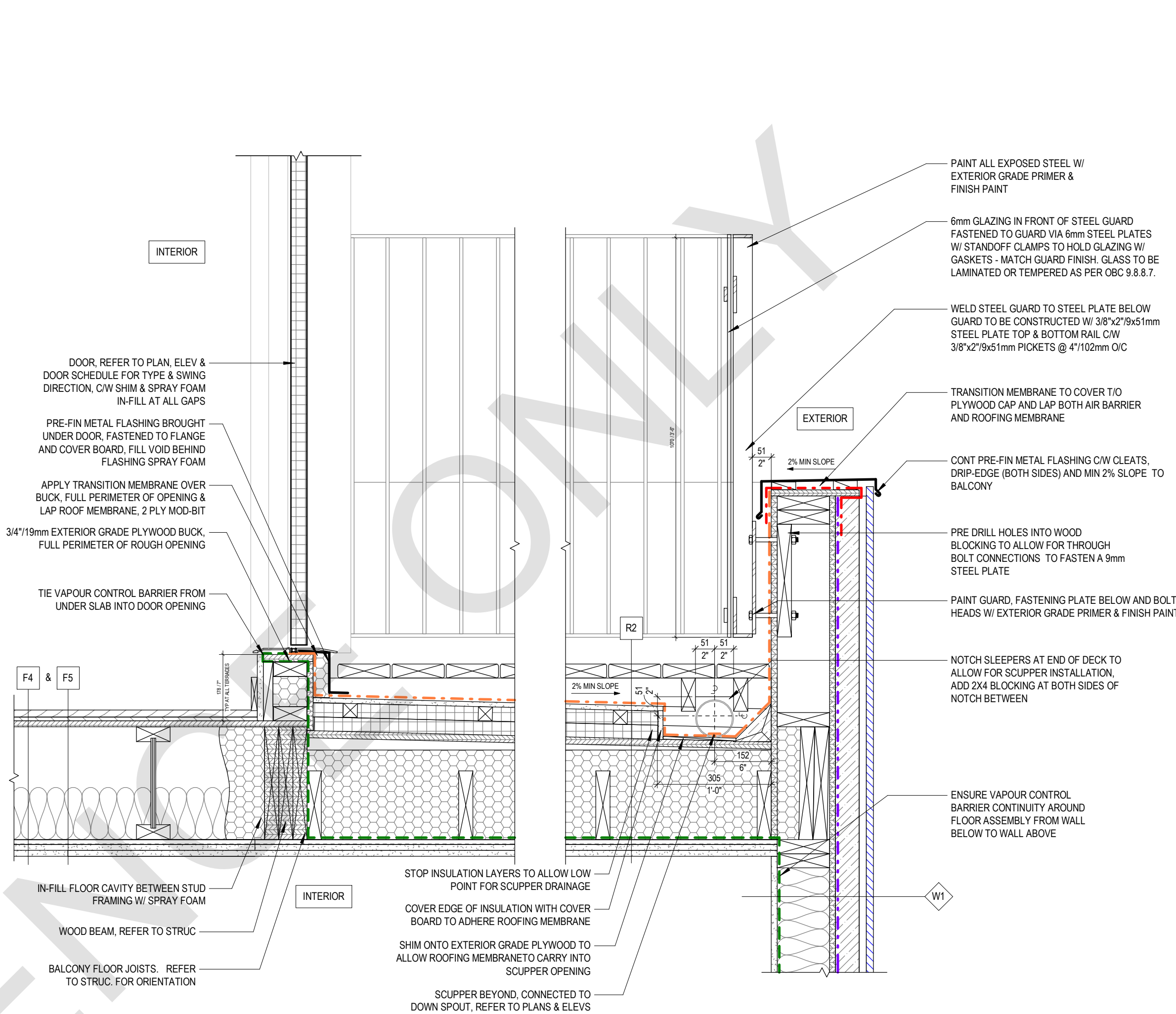
PROJECT NO: 241058
SCALE: 1 : 10

SHEET NO:

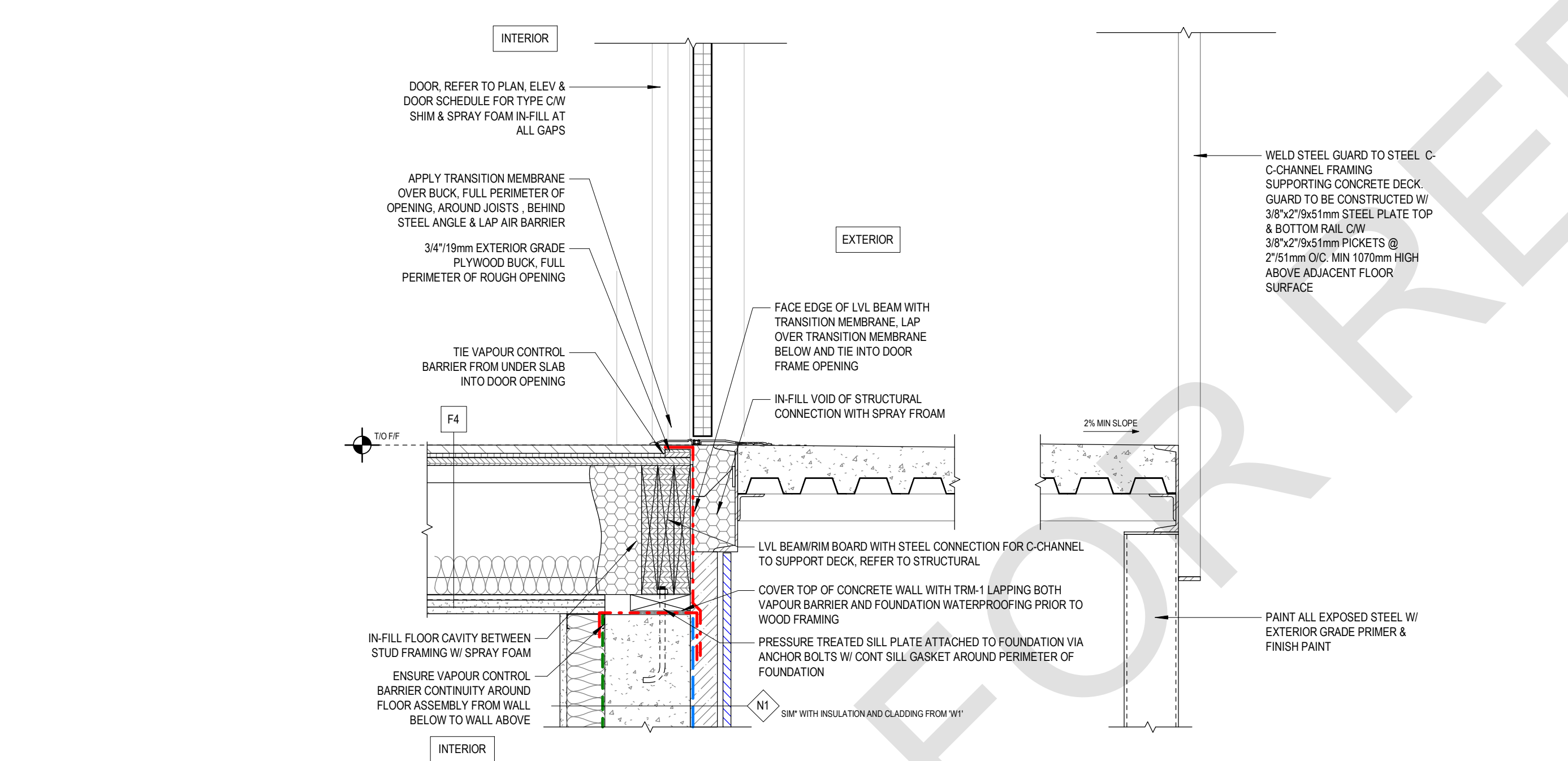
A005



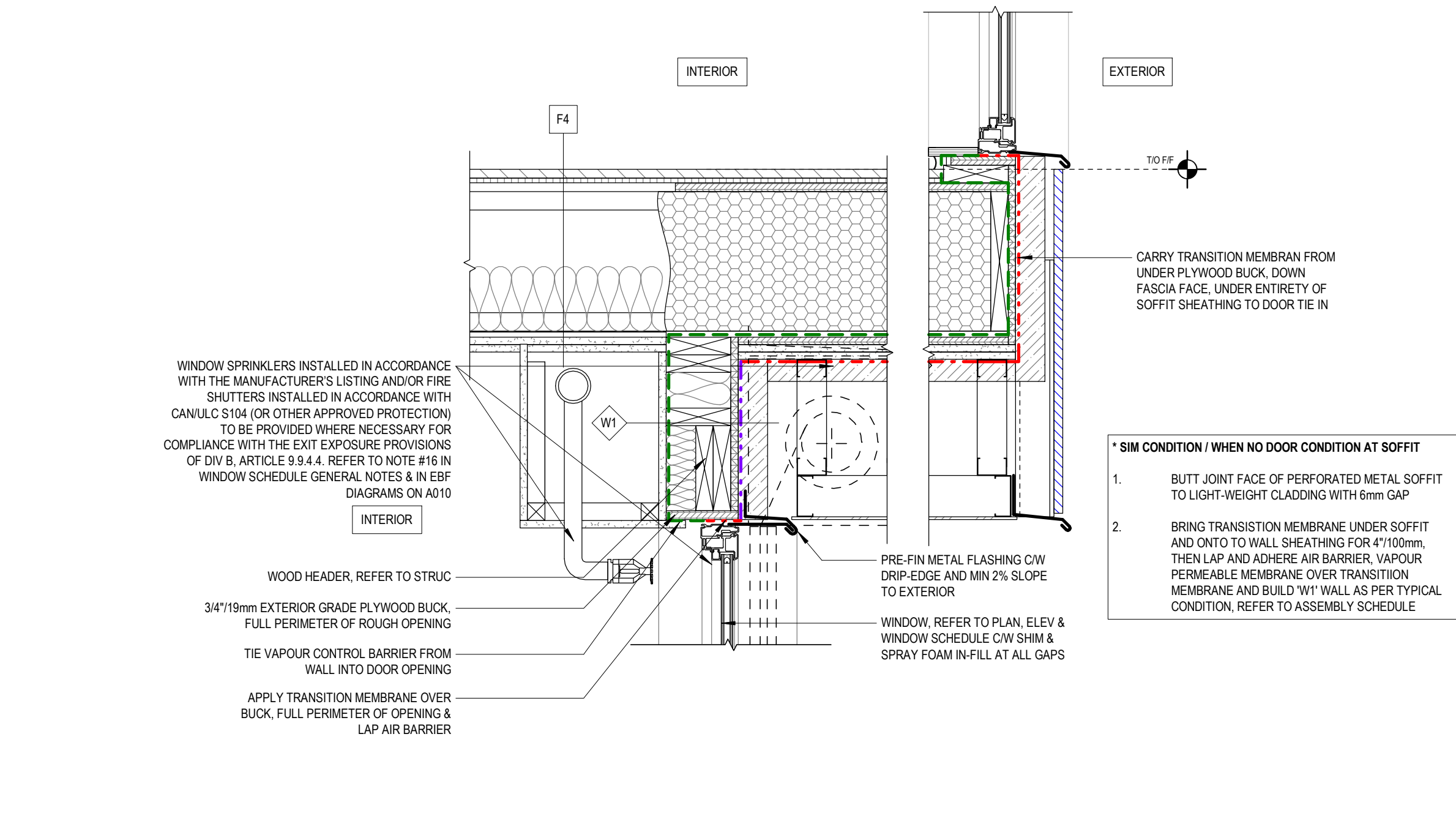
1 SECTION DETAIL - BALCONY OVER CONDITIONED SPACE
A005 1 : 10



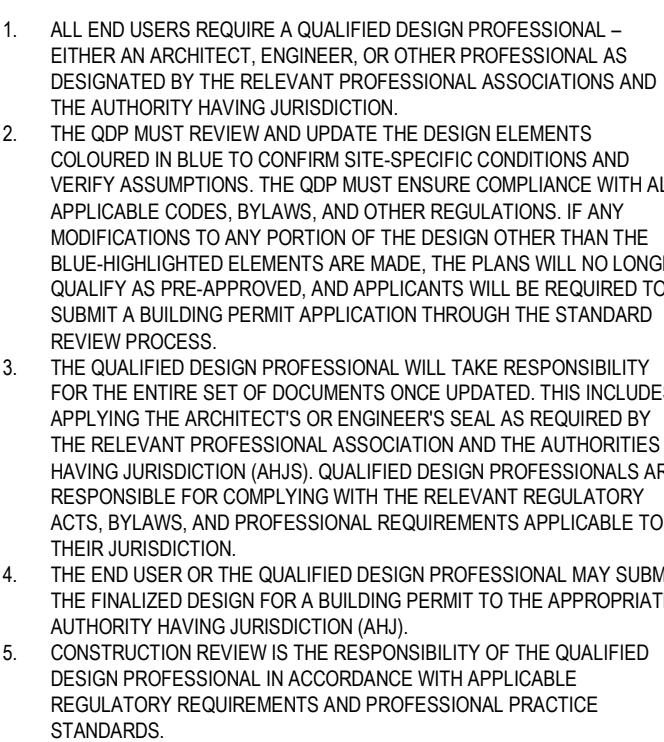
2 SECTION DETAIL - ROOF DECK
A005 1 : 10



3 SECTION DETAIL - PORCH
A005 1 : 10



4 SECTION DETAIL - SOFFIT
A005 1 : 10



A006



NO.	DATE	DESCRIPTION
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PROFESSIONAL SEAL:

GENERAL NOTES:

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3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
2. THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QDP MUST ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE, THE PLANS WILL NO LONGER QUALIFY AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO. DATE DESCRIPTION

PROJECT:
City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:
EBF DIAGRAMS AND CODE MATRIX

PROJECT NO: 241058
SCALE: As indicated

SHEET NO:

A010

EXPOSED BUILDING FACE DIAGRAMS GENERAL NOTES

1. ALL ITEMS IN BLUE DEPENDENT ON REQUIRED SITE SURVEY. TO BE UPDATED BY QDP.
2. ALL LIMITING DISTANCES ARE FOR REFERENCE ONLY. LIMITING DISTANCES AND ALLOWABLE UNPROTECTED OPENINGS TO BE UPDATED BY QDP. WITH REQUIRED SITE SURVEY.
3. FRONT YARD LIMITING DISTANCE SHOWN AS MINIMUM SETBACK FOR REFERENCE ONLY. QDP TO UPDATE LIMITING DISTANCE TO CENTRELINE OF FRONT FACING STREET FROM REQUIRED SURVEY.
4. AREA OF EXPOSED BUILDING FACE DEPENDENT ON ESTABLISHED GRADE. QDP TO UPDATE AREAS WITH REQUIRED SITE SURVEY.
5. QDP TO SELECT EXPOSED BUILDING FACE CALCULATION METHOD AS PER OBC 9.10.14.2.
6. EXPOSED BUILDING FACE OF BELOW GRADE WALKOUT SHOWN TYPICALLY TO HIGHLIGHT STRICTEST EBF AREA CALCULATION. QDP TO CALCULATE EBF FROM ESTABLISHED GRADE.
7. ALL GLAZING AND OPENINGS IN EXTERIOR WALL REQUIRING PROTECTION AS PER OBC 9.9.4.4 TO BE PROTECTED WITH WIRE GLASS, FIRE RATED GLASS, SPRINKLERS, OR FIRE SHUTTERS. SEE NOTE 16 ON WINDOW SCHEDULE. PROTECTED GLAZING NOT INCLUDED IN EBF CALCULATIONS.

EXPOSED BUILDING FACE DIAGRAMS KEY NOTES

- 01 UNPROTECTED MECHANICAL OPENINGS REPRESENTATIVE ONLY. REFER TO MECH. FOR EXACT LOCATIONS.
- 02 RATED DOOR(S). REFER TO DOOR SCHED.
- 03 FIRE SHUTTERS IF REQUIRED. REFER TO NOTE 16 ON WINDOW SCHEDULE.

EXPOSING BUILDING FACE DIAGRAMS LEGEND

	UNPROTECTED OPENING
	EXPOSED BUILDING FACE (FIRE COMPARTMENT)
	EXPOSED BUILDING FACE (TOTAL BUILDING FACE)
	EXPOSED BUILDING FACE OF BELOW GRADE WALKOUT. REFER TO GENERAL NOTE 6.
	PROTECTED GLAZING. REFER TO GENERAL NOTE 7
	WIRE FRAMED GLAZING
	ESTABLISHED GRADE (EXTENT OF ESTABLISHED GRADE DEPENDENT ON REQUIRED SITE SURVEY. TO BE UPDATED BY QDP.)

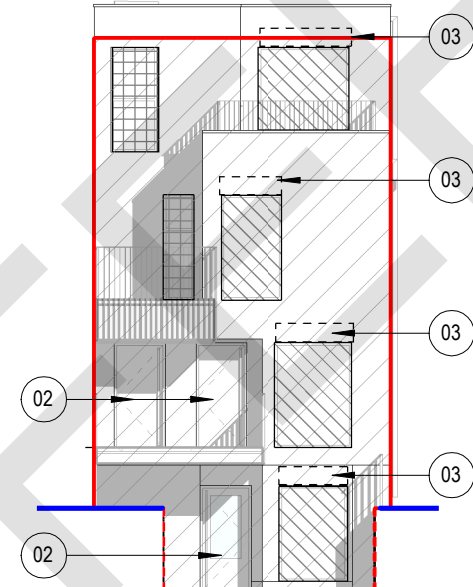
BUILDING CODE DATA MATRIX

PART 9 - HOUSING AND SMALL BUILDINGS

BUILDING CODE VERSION	O.REG. 163/24			LAST AMENDMENT: O.REG. 9/25			OBC REFERENCE		
PROJECT TYPE	NEW CONSTRUCTION CONSTRUCTION OF NEW THREE STOREY MULTI UNIT RESIDENTIAL BUILDING						[A] 1.1.2.		
MAJOR OCCUPANCY CLASSIFICATION	GROUP / DIVISION:	DESCRIPTION:	USE:		9.10.2.				
	C	THREE STOREY FOUR UNIT BUILDING	RESIDENTIAL						
SUPERIMPOSED MAJOR OCCUPANCIES	NO			9.10.2.3.					
BUILDING AREA (m²)	DESCRIPTION:		TOTAL (m²):		[A] 1.4.1.2.				
	NEW CONSTRUCTION		114.1						
GROSS AREA (m²)	FLOOR LEVEL:	DESCRIPTION:	TOTAL (m²):		[A] 1.4.1.2.				
	BASEMENT	2 RESIDENTIAL UNITS	111.1						
	GROUND FLOOR	2 RESIDENTIAL UNITS	111.6						
	SECOND FLOOR	2 RESIDENTIAL UNITS*	111.2						
	THIRD FLOOR	2 RESIDENTIAL UNITS*	91.1						
	TOTAL (m²):		425.0						
BUILDING HEIGHT	3	STOREYS ABOVE GRADE	10.00 m ABOVE ASSUMED GRADE		[A] 1.4.1.2. AND 9.10.4.				
NUMBER OF STREETS	1 STREET			9.10.20					
SPRINKLER SYSTEM	NOT REQUIRED	PROVIDED: N/A			9.10.8.2. TO 9.10.8.4.				
FIRE ALARM SYSTEM	NOT REQUIRED	TYPE PROVIDED: N/A			9.10.18				
WATER SUPPLY IS ADEQUATE				9.31.3					
CONSTRUCTION TYPE	PERMITTED:	COMBUSTIBLE	HEAVY TIMBER CONSTRUCTION:		NO		9.10.6		
	PROPOSED:	COMBUSTIBLE							
POST-DISASTER BUILDING	NO			[A] 1.1.2.2.(2)					
OCCUPANT LOAD	FLOOR LEVEL:	UNIT #	OCCUPANCY TYPE:	BASED ON:	OCCUPANT LOAD (PERSONS):		3.1.17(1)b		
	BASEMENT	UNIT 1	RESIDENTIAL	1 SLEEPING ROOMS	2				
	BASEMENT	UNIT 2	RESIDENTIAL	1 SLEEPING ROOMS	2				
	GROUND FLOOR	UNIT 3	RESIDENTIAL	1 SLEEPING ROOMS	2				
	GROUND FLOOR	UNIT 4	RESIDENTIAL	1 SLEEPING ROOMS	2				
	SECOND FLOOR	UNIT 5 (LOWER)	RESIDENTIAL	3 SLEEPING ROOMS	6				
	SECOND FLOOR	UNIT 6 (UPPER)	RESIDENTIAL	3 SLEEPING ROOMS	6				
	THIRD FLOOR	UNIT 5 (LOWER)	RESIDENTIAL	0 SLEEPING ROOMS	0				
	THIRD FLOOR	UNIT 6 (UPPER)	RESIDENTIAL	0 SLEEPING ROOMS	0				
	TOTAL COUNT:			10 SLEEPING ROOMS	20				
BARRIER-FREE DESIGN	1 BARRIER FREE UNIT REQUIRED. UNIT 3 CONFORMS TO THE REQUIREMENTS OF ASO/CSA B652.23			9.5.2.					
HAZARDOUS SUBSTANCES	NO			9.10.1.3.					
REQUIRED FIRE RESISTANCE RATINGS	HORIZONTAL ASSEMBLY:		RATING:	SUPPORTING ASSEMBLY:		9.10.8.			
SPATIAL SEPARATION	FLOORS:		VARIES. REFER TO PLAN AND SECTION DRAWINGS AND LEGEND						
	WALL:	EBF AREA (m²):	LD (m):	% OPENINGS MAX	% PROVIDED	REQ. RATING:	CONSTRUCTION TYPE:	CLADDING TYPE:	9.10.14.
	FRONT	62.0	8.0	56%	0%	45 MIN	COMBUSTIBLE	NON-COMBUSTIBLE	
	REAR	60.3	6.9	57%	0%	45 MIN	COMBUSTIBLE	NON-COMBUSTIBLE	
	SIDE 1	173.8	1.2	7%	1%	1 HR	NON-COMBUSTIBLE	NON-COMBUSTIBLE	
	SIDE 2	170.9	1.2	7%	7%	1 HR	NON-COMBUSTIBLE	NON-COMBUSTIBLE	
PLUMBING FIXTURE REQUIREMENTS	A KITCHEN SINK, LAVATORY, BATHTUB OR SHOWER, AND WATER CLOSET SHALL BE PROVIDED FOR EVERY DWELLING UNIT			9.31.4(1) and 3.7.4.5					
NOTES	01 ALL REFERENCES ARE TO DIVISION B OF THE ONTARIO BUILDING CODE UNLESS PRECEDED BY (A) FOR DIVISION A AND (C) FOR DIVISION C.								

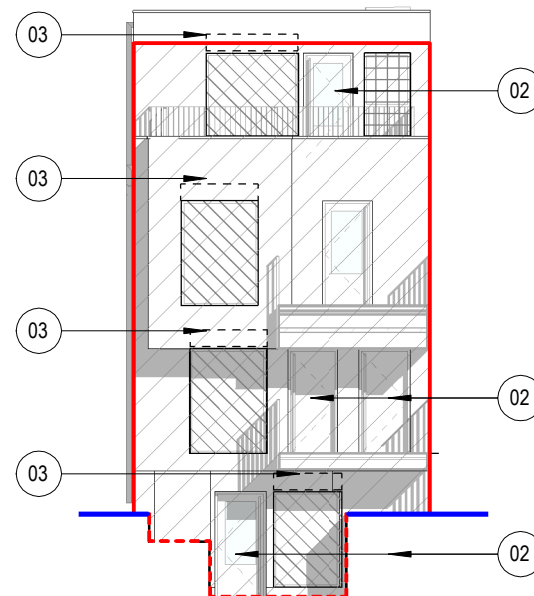
SIDE YARD 1 MIN. LIMITING DISTANCE
100
3'-11 1/4"

SIDE YARD 2MIN. LIMITING DISTANCE
120
3'-11 1/4"



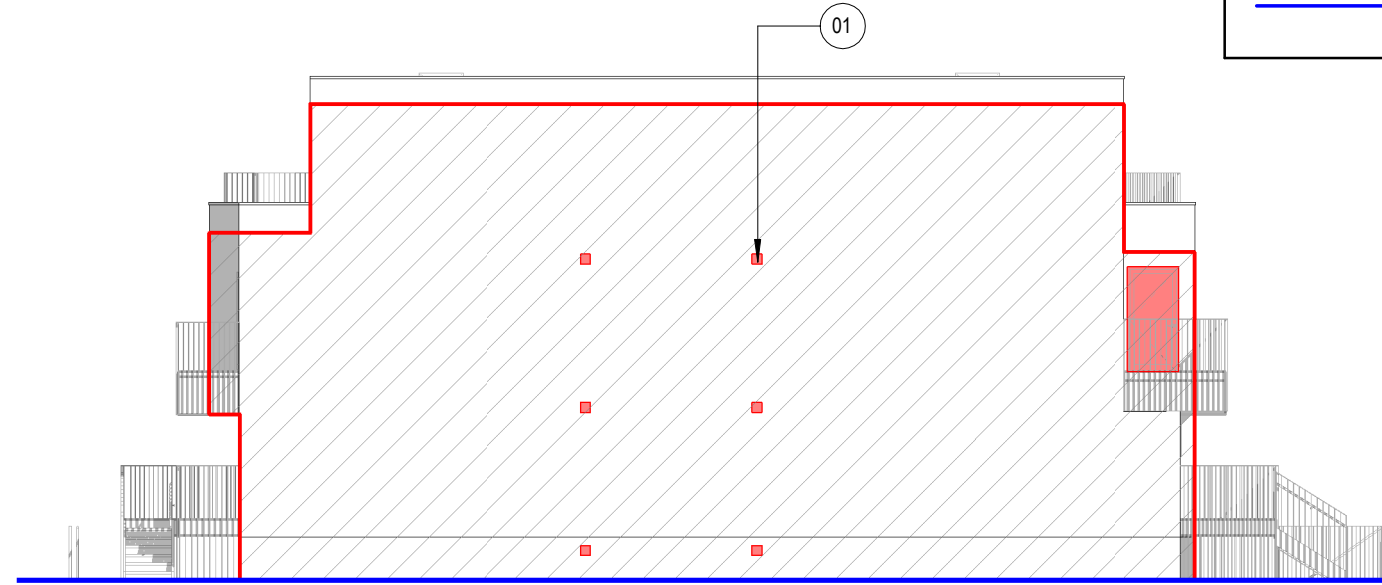
Comments	UPO - Exposed Building Face	UPO - Limiting Distance	UPO - Proposed Unprotected Opening Area	UPO - Allowable % Openings	UPO - Proposed % Openings
TOTAL EBF	62.0 m²	8 m	0.0 m²	56	0

4 A010 EXPOSING BUILDING FACE DIAGRAM - FRONT ELEVATION
1 : 150



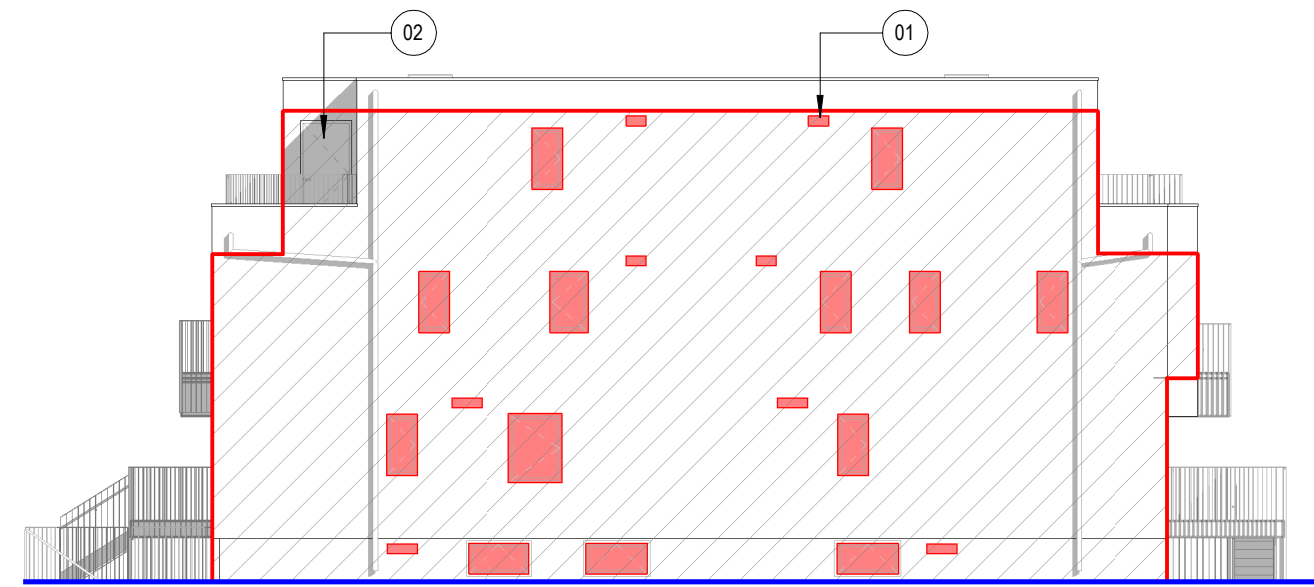
Comments	UPO - Exposed Building Face	UPO - Limiting Distance	UPO - Proposed Unprotected Opening Area	UPO - Allowable % Openings	UPO - Proposed % Openings
TOTAL EBF	60.3 m²	6.9	0.0 m²	34	0

2 A010 EXPOSING BUILDING FACE DIAGRAM - REAR ELEVATION
1 : 150



Comments	UPO - Exposed Building Face	UPO - Limiting Distance	UPO - Proposed Unprotected Opening Area	UPO - Allowable % Openings	UPO - Proposed % Openings	Required FRR
TOTAL EBF	173.8 m²	1.2 m	2.4 m²	7	1	

3 A010 EXPOSING BUILDING FACE DIAGRAM - SIDE 1 ELEVATION
1 : 150

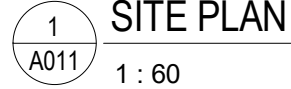


Comments	UPO - Exposed Building Face	UPO - Limiting Distance	UPO - Proposed Unprotected Opening Area	UPO - Allowable % Openings	UPO - Proposed % Openings
TOTAL EBF	170.9 m²	1.2 m	11.4 m²	7	7

1 A010 EXPOSING BUILDING FACE DIAGRAM - SIDE 2 ELEVATION
1 : 150

55 A010 EXPOSING BUILDING FACE DIAGRAM - SITE PLAN
1 : 60

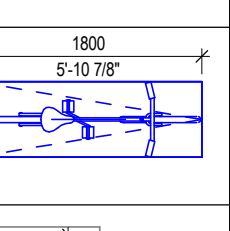
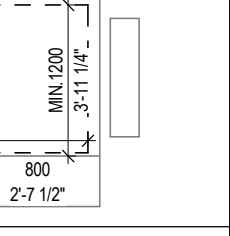
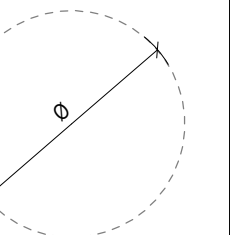
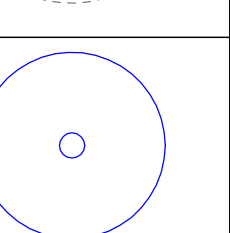
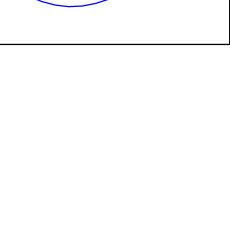
CENTRE LINE OF STREET



1
A011

SITE PLAN

1 : 60

	SPOT ELEVATION. GEODETIC ELEVATION TO BE UPDATED BY QDP WITH REQUIRED SITE SURVEY.
	SHORT TERM BIKE PARKING STALL. REFER TO KEYNOTE 04.
	UNENCLOSED VERTICAL LIFT. REFER TO KEYNOTE 17
	1800MM TURNING DIAMETER AT ENTRY PORCH TO CONFORM TO CSA-B652.23. 1500MM TURNING DIAMETER AS PER CBC AT GRADE WHERE REQUIRED.
	SUGGESTED TREE LOCATION. REFER TO KEYNOTE 02.



PROFESSIONAL SEAL:

GENERAL NOTES:

- NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
- DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

- ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
- THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QDP MUST ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE, THE PLANS WILL NO LONGER QUALIFY AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
- THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
- THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
- CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO. DATE DESCRIPTION

PROJECT:
City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:
BASEMENT FLOOR PLAN

PROJECT NO: 241058
SCALE: 1:50

SHEET NO:

A100

FLOOR PLAN GENERAL NOTES

- MIN CEILING HEIGHTS AS PER OBC TABLE 9.5.3.1
BATHROOMS & HALLWAYS = 2100mm
BEDROOM = 2300mm (50%) OR 2100mm (100%)
LIVING/DINING/KITCHEN = 2300mm (75%) OR 2100mm (100%)
- MIN ROOM AREAS AS PER OBC TABLE 9.5.3A-E
LIVING ROOM = 13.5m² (11m² COMBINED WITH KITCHEN & DINING FOR TWO PEOPLE)
DINING = 3.25m² (COMBINED ROOM)
KITCHEN = 4.2m² (3.7m² FOR TWO PEOPLE)
BEDROOM = 6m² (WITH CLOSET)
MASTER BEDROOM = 8.8m² (WITH CLOSET)
COMBINED LIVING, DINING, AND KITCHEN = 21.25m² (17.95m² FOR TWO PEOPLE)
- ALL ROOMS LABELLED AS 'DEN' SHALL NOT BE USED AS A BEDROOM. DENS SHALL NOT BE PROVIDED WITH A DOOR.
- ALL DROPPED CEILINGS AND BULKHEADS FOR MECHANICAL TO PROVIDE MIN 2100mm CLEAR HEIGHT BELOW
- UNITS SHOWING ONLY ONE BEDROOM ARE DESIGNED TO ACCOMMODATE NOT MORE THAN TWO PEOPLE
- ALL EXTERIOR STAIRS DESIGNED FROM FLOOR LEVEL TO ASSUMED GRADE. QDP TO ADJUST AS REQ. PER SITE GRADING AND ENSURE REQUIREMENTS OF OBC 9.8 ARE MET.

FIRE SEPARATION LEGEND (MIN. REQ.)

	1HR FIRE SEPARATION
	45MIN FIRE SEPARATION

RATED ASSEMBLIES LEGEND (MIN. REQ.)

	1HR FRR
	45MIN FRR

FLOOR PLAN KEYNOTES

- ROOF DECK
- ROOF DRAINTHROUGH WALL SCUPPER CONNECTED TO DOWNSPOUT
- ALL STUD WALLS TO BE REINFORCED TO PERMIT FUTURE INSTALLATION OF GRAB BARS BEHIND WATER CLOSETS, BATHUBS/SHOWERS AS PER 9.5.2.4. ALL GWB TO BE MOISTURE RESISTANT AND SUBSTITUTED FOR TILE BACKER ON ALL TILED WALL SURFACES.
- NON COMBUSTIBLE CANOPY ABOVE ENTRANCES
- RESERVED
- LANDSCAPED TERRACE
- BELOW GRADE WALKOUT
- STORM WATER SUMP PUMP BELOW SLAB REFER TO MECH- DISCHARGE PER SITE CONDITIONS - SEE SITE PLAN
- RESERVED
- 1070MM GUARD AS REQUIRED PER 9.8.8.1(1)
- UNENCLOSED VERTICAL LIFT AS PER CSA B355.24
- ENTRY PORCH
- PROJECTED BALCONY
- SANITARY SUMP PIT BELOW SLAB IF REQUIRED. REFER TO MECH
- LATERAL STABILIZING COLUMN ON CONCRETE PIER. REFER TO STRUCT.
- SKYLIGHT ABOVE
- STRUCTURAL STUD WALL WITH PLYWOOD SHEATHING-REFER TO STRUCT. COW 16 MM TYPE X GIBS ON EACH SIDE
- 1 HR FRR SUPPORTING STRUCTURE. SEE STRUC. REFER TO A003 INTERIOR DETAIL - FIRE RATED STRUCTURAL POST, PARTITION WALL
- RESERVED
- DOUBLE STUD WALL WITH PLYWOOD SHEATHING ON ONE SIDE. REFER TO STRUCT.
- PROTECTED WINDOW
- PROVIDE FURRING ON WALL FRAMING AS REQUIRED TO ALIGN WITH STAIR DIMENSIONS
- RESERVED

FLOOR PLAN LEGEND

	FLOOR MOUNTED TOILET
	PRE-FAB STANDING SHOWER
	PRE-FAB TUB
	KITCHEN SINK
	KITCHEN SINK (SMALL)
	WASHROOM SINK
	WASHER (W) DRYER (D) STACKED WASHER AND DRYER (WD)
	DOMESTIC HOT WATER
	AIR HANDLER
	RANGE, TYPICAL
	RANGE, NARROW
	REFRIGERATOR
	REFRIGERATOR (NARROW)
	DISHWASHER
	DISHWASHER (NARROW)
	CLOSET COAT ROD
	ELECTRICAL PANEL

1 BASEMENT FLOOR PLAN
1:50

LEGEND

GENERAL NOTE:
UNIT 3 DESIGNED TO CSA/ASC B652.23 - "ACCESSIBLE DWELLINGS." CONSULT THE STANDARD FOR A COMPLETE SET OF REQUIREMENTS.

DOORS AND DOORWAYS (B652:23 5.7)

REFER TO B652:23 5.7 DOORS AND DOORWAYS FOR ADDITIONAL REQUIREMENTS:
1. DOOR WIDTH AND CLEARANCE REQUIREMENTS
2. POWER DOOR OPERATOR REQUIREMENTS

SLIDING DOOR

SWINGING DOOR

BATHROOMS (B652:23 5.9)

REFER TO B652:23 5.9 BATHROOM(S) FOR ADDITIONAL REQUIREMENTS:
1. WALL REINFORCING BACKING AND GRAB BARS
2. VANITY AND ACCESSORY REQUIREMENTS
3. WASHROOM ILLUMINATION REQUIREMENTS

ROLL-IN SHOWER

TOILET

BATHROOM SINK

KITCHEN (B652:23 5.10)

REFER TO B652:23 5.10 KITCHENS FOR ADDITIONAL REQUIREMENTS:
1. MIN. REQ COUNTER SPACE BETWEEN COOKTOP AND SINK NOT LESS THAN 820mm
2. ADDITIONAL KITCHEN FIXTURE AND APPLIANCE REQUIREMENTS
3. ELECTRICAL REQUIREMENTS IN KITCHEN
4. ADDITIONAL CABINERY AND SPACE PLANNING REQUIREMENTS

REFRIGERATOR

KITCHEN SINK

COOKTOP

MICROWAVE

BEDROOMS (B652:23 5.11)

REFER TO B652:23 5.11 BEDROOMS FOR ADDITIONAL REQUIREMENTS:
1. CLEAR SPACE AND TRANSFER SPACES AROUND BED
2. ELECTRICAL REQUIREMENTS IN BEDROOMS

LAUNDRY (B652:23 5.12)

CLOSETS (B652:23 5.13)

WASHER AND DRYER

1
A101

MAIN FLOOR PLAN
1 : 50

FLOOR PLAN GENERAL NOTES

1.

MIN CEILING HEIGHTS AS PER OBC TABLE 9.5.3.1
BATHROOMS & HALLWAYS = 2100mm
BEDROOM = 2300mm (50%) OR 2100mm (100%)
LIVING/DINING/KITCHEN = 2300mm (75%) OR 2100mm (100%)

2.

MIN ROOM AREAS AS PER OBC TABLE 9.5.3A-E
LIVING ROOM = 13.5m² (11m² COMBINED WITH KITCHEN & DINING FOR TWO PEOPLE)
DINING = 3.25m² (COMBINED ROOM)
KITCHEN = 4.2m² (3.7m² FOR TWO PEOPLE)
BEDROOM = 6m² (WITH CLOSET)
MASTER BEDROOM = 8.8m² (WITH CLOSET)
COMBINED LIVING, DINING, AND KITCHEN = 21.25m² (17.95m² FOR TWO PEOPLE)

3.

ALL ROOMS LABELLED AS 'DEN' SHALL NOT BE USED AS A BEDROOM. DENS SHALL NOT BE PROVIDED WITH A DOOR.

4.

ALL DROPPED CEILINGS AND BULKHEADS FOR MECHANICAL TO PROVIDE MIN 2100mm CLEAR HEIGHT BELOW

5.

UNITS SHOWING ONLY ONE BEDROOM ARE DESIGNED TO ACCOMMODATE NOT MORE THAN TWO PEOPLE

6.

ALL EXTERIOR STAIRS DESIGNED FROM FLOOR LEVEL TO ASSUMED GRADE. QDP TO ADJUST AS REQ. PER SITE GRADING AND ENSURE REQUIREMENTS OF OBC 9.8 ARE MET.

FIRE SEPARATION LEGEND (MIN. REQ.)

1HR FIRE SEPARATION

45MIN FIRE SEPARATION

RATED ASSEMBLIES LEGEND (MIN. REQ.)

1HR FRR

45MIN FRR

FLOOR PLAN KEYNOTES

01

ROOF DECK

02

ROOF DRAIN/THROUGH WALL SCUPPER CONNECTED TO DOWNSPOUT

03

ALL STUD WALLS TO BE REINFORCED TO PERMIT FUTURE INSTALLATION OF GRAB BARS BEHIND WATER CLOSETS, BATHUBS/SHOWERS AS PER 9.5.2.4. ALL GWB TO BE MOISTURE RESISTANT AND SUBSTITUTED FOR TILE BACKER ON ALL TILED WALL SURFACES.

04

NON COMBUSTIBLE CANOPY ABOVE ENTRANCES

05

RESERVED

06

LANDSCAPED TERRACE

07

BELOW GRADE WALKOUT

08

STORM WATER SUMP PUMP BELOW SLAB REFER TO MECH- DISCHARGE PER SITE CONDITIONS - SEE SITE PLAN

09

RESERVED

10

1070MM GUARD AS REQUIRED PER 9.8.8.1(1)

11

UNENCLOSED VERTICAL LIFT AS PER CSA B355.24

12

ENTRY PORCH

13

PROJECTED BALCONY

14

SANITARY SUMP PIT BELOW SLAB IF REQUIRED. REFER TO MECH

15

LATERAL STABILIZING COLUMN ON CONCRETE PIER. REFER TO STRUCT.

16

SKYLIGHT ABOVE

17

STRUCTURAL STUD WALL WITH PLYWOOD SHEATHING-REFER TO STRUCT. COW 16 MIN TYPE K GRAB ON EACH SIDE

18

1 HR FRR SUPPORTING STRUCTURE. SEE STRUCT. REFER TO A003 INTERIOR DETAIL - FIRE RATED STRUCTURAL POST, PARTITION WALL

19

RESERVED

20

DOUBLE STUD WALL WITH PLYWOOD SHEATHING ON ONE SIDE. REFER TO STRUCT.

21

PROTECTED WINDOW

22

PROVIDE FURRING ON WALL FRAMING AS REQUIRED TO ALIGN WITH STAIR DIMENSIONS

23

RESERVED

FLOOR PLAN LEGEND	
	FLOOR MOUNTED TOILET
	PRE-FAB STANDING SHOWER
	PRE-FAB TUB
	KITCHEN SINK
	KITCHEN SINK (SMALL)
	WASHROOM SINK
	WASHER (W)
	DRYER (D)
	STACKED WASHER AND DRYER (W/D)
	DOMESTIC HOT WATER
	AIR HANDLER
	RANGE, TYPICAL
	RANGE, NARROW
	REFRIGERATOR
	REFRIGERATOR (NARROW)
	DISHWASHER
	DISHWASHER (NARROW)
	CLOSET COAT ROD
	ELECTRICAL PANEL

PROFESSIONAL SEAL:

GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.

3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL - EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.

2. THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QDP MUST ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE, THE PLANS WILL NO LONGER QUALIFY AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.

3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.

4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MUST SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).

5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO. DATE DESCRIPTION

PROJECT:
City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:
MAIN FLOOR PLAN

PROJECT NO: 241058
SCALE: 1 : 50

SHEET NO:

A101

PROFESSIONAL SEAL:

GENERAL NOTES:

- NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
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QUALIFIED DESIGN PROFESSIONAL (QDP)

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- THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
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- CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO. DATE DESCRIPTION

PROJECT:
City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:
SECOND FLOOR PLAN

PROJECT NO: 241058
SCALE: 1:50

SHEET NO:

A102

FLOOR PLAN GENERAL NOTES

- MIN CEILING HEIGHTS AS PER OBC TABLE 9.5.3.1
BATHROOMS & HALLWAYS = 2100mm
BEDROOM = 2300mm (50%) OR 2100mm (100%)
LIVING/DINING/KITCHEN = 2300mm (75%) OR 2100mm (100%)
- MIN ROOM AREAS AS PER OBC TABLE 9.5.3A-E
LIVING ROOM = 13.5m² (11m² COMBINED WITH KITCHEN & DINING FOR TWO PEOPLE)
DINING = 3.25m² (COMBINED ROOM)
KITCHEN = 4.2m² (3.7m² FOR TWO PEOPLE)
BEDROOM = 6m² (WITH CLOSET)
MASTER BEDROOM = 8.8m² (WITH CLOSET)
COMBINED LIVING, DINING, AND KITCHEN = 21.25m² (17.95m² FOR TWO PEOPLE)
- ALL ROOMS LABELLED AS 'DEN' SHALL NOT BE USED AS A BEDROOM. DENS SHALL NOT BE PROVIDED WITH A DOOR.
- ALL DROPPED CEILINGS AND BULKHEADS FOR MECHANICAL TO PROVIDE MIN 2100mm CLEAR HEIGHT BELOW
- UNITS SHOWING ONLY ONE BEDROOM ARE DESIGNED TO ACCOMMODATE NOT MORE THAN TWO PEOPLE
- ALL EXTERIOR STAIRS DESIGNED FROM FLOOR LEVEL TO ASSUMED GRADE. QDP TO ADJUST AS REQ. PER SITE GRADING AND ENSURE REQUIREMENTS OF OBC 9.8 ARE MET.

FIRE SEPARATION LEGEND (MIN. REQ.)

	1HR FIRE SEPARATION
	45MIN FIRE SEPARATION

RATED ASSEMBLIES LEGEND (MIN. REQ.)

	1HR FRR
	45MIN FRR

FLOOR PLAN KEYNOTES

- ROOF DECK
- ROOF DRAIN/THROUGH WALL SCUPPER CONNECTED TO DOWNSPOUT
- ALL STUD WALLS TO BE REINFORCED TO PERMIT FUTURE INSTALLATION OF GRAB BARS BEHIND WATER CLOSETS, BATHUBS/SHOWERS AS PER 9.5.2.4. ALL GWB TO BE MOISTURE RESISTANT AND SUBSTITUTED FOR TILE BACKER ON ALL TILED WALL SURFACES.
- NON COMBUSTIBLE CANOPY ABOVE ENTRANCES
- RESERVED
- LANDSCAPED TERRACE
- BELOW GRADE WALKOUT
- STORM WATER SUMP PUMP BELOW SLAB REFER TO MECH- DISCHARGE PER SITE CONDITIONS - SEE SITE PLAN
- RESERVED
- 1070MM GUARD AS REQUIRED PER 9.8.8.1(1)
- UNENCLOSED VERTICAL LIFT AS PER CSA B355.24
- ENTRY PORCH
- PROJECTED BALCONY
- SANITARY SUMP PIT BELOW SLAB IF REQUIRED. REFER TO MECH
- LATERAL STABILIZING COLUMN ON CONCRETE PIER. REFER TO STRUCT.
- SKYLIGHT ABOVE
- STRUCTURAL STUD WALL WITH PLYWOOD SHEATHING-REFER TO STRUCT. COW 16 MM TYPE X GIBS ON EACH SIDE
- 1 HR FRR SUPPORTING STRUCTURE. SEE STRUCT. REFER TO A003 INTERIOR DETAIL - FIRE RATED STRUCTURAL POST, PARTITION WALL
- RESERVED
- DOUBLE STUD WALL WITH PLYWOOD SHEATHING ON ONE SIDE. REFER TO STRUCT.
- PROTECTED WINDOW
- PROVIDE FURRING ON WALL FRAMING AS REQUIRED TO ALIGN WITH STAIR DIMENSIONS
- RESERVED

FLOOR PLAN LEGEND

	FLOOR MOUNTED TOILET
	PRE-FAB STANDING SHOWER
	PRE-FAB TUB
	KITCHEN SINK
	KITCHEN SINK (SMALL)
	WASHROOM SINK
	WASHER (W) DRYER (D) STACKED WASHER AND DRYER (WD)
	DOMESTIC HOT WATER
	AIR HANDLER
	RANGE, TYPICAL
	RANGE, NARROW
	REFRIGERATOR
	REFRIGERATOR (NARROW)
	DISHWASHER
	DISHWASHER (NARROW)
	CLOSET COAT ROD
	ELECTRICAL PANEL

1
A102
SECOND FLOOR PLAN
1:50

PROFESSIONAL SEAL:

GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
2. THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QDP MUST ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE, THE PLANS WILL NO LONGER QUALIFY AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO. DATE DESCRIPTION

PROJECT:
City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:
THIRD FLOOR PLAN

PROJECT NO: 241058
SCALE: 1 : 50

SHEET NO:

A103

FLOOR PLAN GENERAL NOTES

1. MIN CEILING HEIGHTS AS PER OBC TABLE 9.5.3.1
BATHROOMS & HALLWAYS = 2100mm
BEDROOM = 2300mm (50%) OR 2100mm (100%)
LIVING/DINING/KITCHEN = 2300mm (75%) OR 2100mm (100%)
2. MIN ROOM AREAS AS PER OBC TABLE 9.5.3A-E
LIVING ROOM = 13.5m² (11m² COMBINED WITH KITCHEN & DINING FOR TWO PEOPLE)
DINING = 3.25m² (COMBINED ROOM)
KITCHEN = 4.2m² (3.7m² FOR TWO PEOPLE)
BEDROOM = 6m² (WITH CLOSET)
MASTER BEDROOM = 8.8m² (WITH CLOSET)
COMBINED LIVING, DINING, AND KITCHEN = 21.25m² (17.95m² FOR TWO PEOPLE)
3. ALL ROOMS LABELLED AS 'DEN' SHALL NOT BE USED AS A BEDROOM. DENS SHALL NOT BE PROVIDED WITH A DOOR.
4. ALL DROPPED CEILINGS AND BULKHEADS FOR MECHANICAL TO PROVIDE MIN 2100mm CLEAR HEIGHT BELOW
5. UNITS SHOWING ONLY ONE BEDROOM ARE DESIGNED TO ACCOMMODATE NOT MORE THAN TWO PEOPLE
6. ALL EXTERIOR STAIRS DESIGNED FROM FLOOR LEVEL TO ASSUMED GRADE. QDP TO ADJUST AS REQ. PER SITE GRADING AND ENSURE REQUIREMENTS OF OBC 9.8 ARE MET.

FIRE SEPARATION LEGEND (MIN. REQ.)

	1HR FIRE SEPARATION
	45MIN FIRE SEPARATION

RATED ASSEMBLIES LEGEND (MIN. REQ.)

	1HR FRR
	45MIN FRR

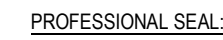
FLOOR PLAN KEYNOTES

- 01 ROOF DECK
- 02 ROOF DRAIN/THROUGH WALL SCUPPER CONNECTED TO DOWNSPOUT
- 03 ALL STUD WALLS TO BE REINFORCED TO PERMIT FUTURE INSTALLATION OF GRAB BARS BEHIND WATER CLOSETS, BATHS/SHOWERS AS PER 9.5.2.4. ALL GWB TO BE MOISTURE RESISTANT AND SUBSTITUTED FOR TILE BACKER ON ALL TILED WALL SURFACES.
- 04 NON COMBUSTIBLE CANOPY ABOVE ENTRANCES
- 05 RESERVED
- 06 LANDSCAPED TERRACE
- 07 BELOW GRADE WALKOUT
- 08 STORM WATER SUMP PUMP BELOW SLAB REFER TO MECH- DISCHARGE PER SITE CONDITIONS - SEE SITE PLAN
- 09 RESERVED
- 10 1070MM GUARD AS REQUIRED PER 9.8.8.1(1)
- 11 UNENCLOSED VERTICAL LIFT AS PER CSA B355.24
- 12 ENTRY PORCH
- 13 PROJECTED BALCONY
- 14 SANITARY SUMP PIT BELOW SLAB IF REQUIRED. REFER TO MECH
- 15 LATERAL STABILIZING COLUMN ON CONCRETE PIER. REFER TO STRUCT.
- 16 SKYLIGHT ABOVE
- 17 STRUCTURAL STUD WALL WITH PLYWOOD SHEATHING-REFER TO STRUCT. COW 16 MM TYPE X GIBS ON EACH SIDE
- 18 1 HR FRR SUPPORTING STRUCTURE. SEE STRUCT. REFER TO A003 INTERIOR DETAIL - FIRE RATED STRUCTURAL POST, PARTITION WALL
- 19 RESERVED
- 20 DOUBLE STUD WALL WITH PLYWOOD SHEATHING ON ONE SIDE. REFER TO STRUCT.
- 21 PROTECTED WINDOW
- 22 PROVIDE FURRING ON WALL FRAMING AS REQUIRED TO ALIGN WITH STAIR DIMENSIONS
- 23 RESERVED

FLOOR PLAN LEGEND

	FLOOR MOUNTED TOILET
	PRE-FAB STANDING SHOWER
	PRE-FAB TUB
	KITCHEN SINK
	KITCHEN SINK (SMALL)
	WASHROOM SINK
	WASHER (W) DRYER (D) STACKED WASHER AND DRYER (WD)
	DOMESTIC HOT WATER
	AIR HANDLER
	RANGE, TYPICAL
	RANGE, NARROW
	REFRIGERATOR
	REFRIGERATOR (NARROW)
	DISHWASHER
	DISHWASHER (NARROW)
	CLOSET COAT ROD
	ELECTRICAL PANEL

1 THIRD FLOOR PLAN
A103 1 : 50



1. ALL ROOFING TYPES TO COMPLY WITH REQUIRED MINIMUM SLOPES AS PER OBC 9.26.3 AND MANUFACTURER REQUIREMENTS FOR SPECIFIED ROOFING TYPE
2. ALL ROOFS, GUTTERS AND TROUGHS HAVE POSITIVE SLOPE TO DRAIN

- 01 RESERVED
- 02 COUNTER SLOPE TO DRAINS WITH TAPERED BOARD INSULATION OR SLOPE MARINE GRADE PLYWOOD
- 03 ROOF DRAIN/THROUGH WALL SCUPPER CONNECTED TO DOWNSPOUT
- 04 ROOF DRAIN/THROUGH WALL SCUPPER CONNECTED TO DOWNSPOUT WITH SLOPED HORIZONTAL TO MAIN ROOF DOWNSPOUT

GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL –
EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONALS AS
DESIGNED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND
THE AUTHORITY HAVING JURISDICTION (AHJ).
2. THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS
COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND
THE ASSUMPTIONS, THE DESIGNER'S DESIGN COORDINATION WITH ALL
APPlicable CODES, BYLAWS, AND OTHER REGULATIONS, IF ANY
MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE
DESIGNATED BLUE ELEMENTS ARE REQUIRED. IF A QDP IS NO LONGER
QUALIFIED AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO
SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD
REVIEW PROCESS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY
FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES
APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY
THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY
HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE
RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY
REQUIREMENTS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO
THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT
THE QUALIFIED DESIGN FOR PERMIT TO THE APPROPRIATE
AUTHORITY HAVING JURISDICTION (AHJ).
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED
DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE
REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE
STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

ROOF PLAN

PROJECT NO:

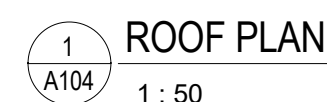
241058

SCALE:

1 : 50

SHEET NO:

A104





- 01 UNENCLOSED GALVANISED STEEL EXTERIOR STAIR AND LANDINGS. REFER TO STRUCT.
- 02 JULIET BALCONY
- 03 BELOW GRADE WALKOUT. CONCRETE SLAB ON GRADE.
- 04 NON_COMBUSTIBLE CANOPY
- 05 OPERABLE GATE FOR ACCESSIBLE LIFT
- 06 GUARD, AS PER CBC 9.8.8.1 (1).
- 07 UNENCLOSED VERTICAL LIFT AS PER CSA B355-24
- 08 DOWNSPOUT
- 09 DOWN SPOUT AND EXTENSION AS PER CBC 2.6 18.2 (1). LENGTH AND PLACEMENT OF EXTENSION TO BE CONFIRMED BY QDP. PLACEMENT SHALL NOT IMPIDE SIDE YARD ACCESS.
- 10 FIRE PROTECTED WINDOW AS PER CBC 9.9.4.4 TO BE PROTECTED WITH WIRE GLASS, FIRE RATED GLASS, SPRINKLERS, OR FIRE SHUTTERS. SEE NOTE 16 ON WINDOW SCHEDULE AND TYPICAL DETAILS.

TAG	MATERIAL
CP-1	CLADDING, TYPE 1
CP-3	CLADDING, TYPE 3
CP-4	CLADDING, TYPE 4
PFM	PRE-FINISHED METAL FLASHING

GENERAL NOTES

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE APPLICABLE REGULATORY AGENCIES.
2. THE CDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFORM WITH SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QUALIFIED DESIGN PROFESSIONAL MUST ALSO UPDATE THE COLOURED ELEMENTS IN GREEN TO CONFORM WITH THE APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE. THE PLANS WILL NO LONGER BE CONSIDERED APPROVED FOR CONSTRUCTION UNLESS THE USER SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED, THIS INCLUDE APPLYING THE ARCHITECTS OR ENGINEER'S SEAL AS REQUIRED BY THE APPLICABLE PROFESSIONAL ASSOCIATION AND REGULATORY AGENCIES. ANY JURISDICTION (AHS), QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE REGULATORY AGENCY.
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL, IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

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NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

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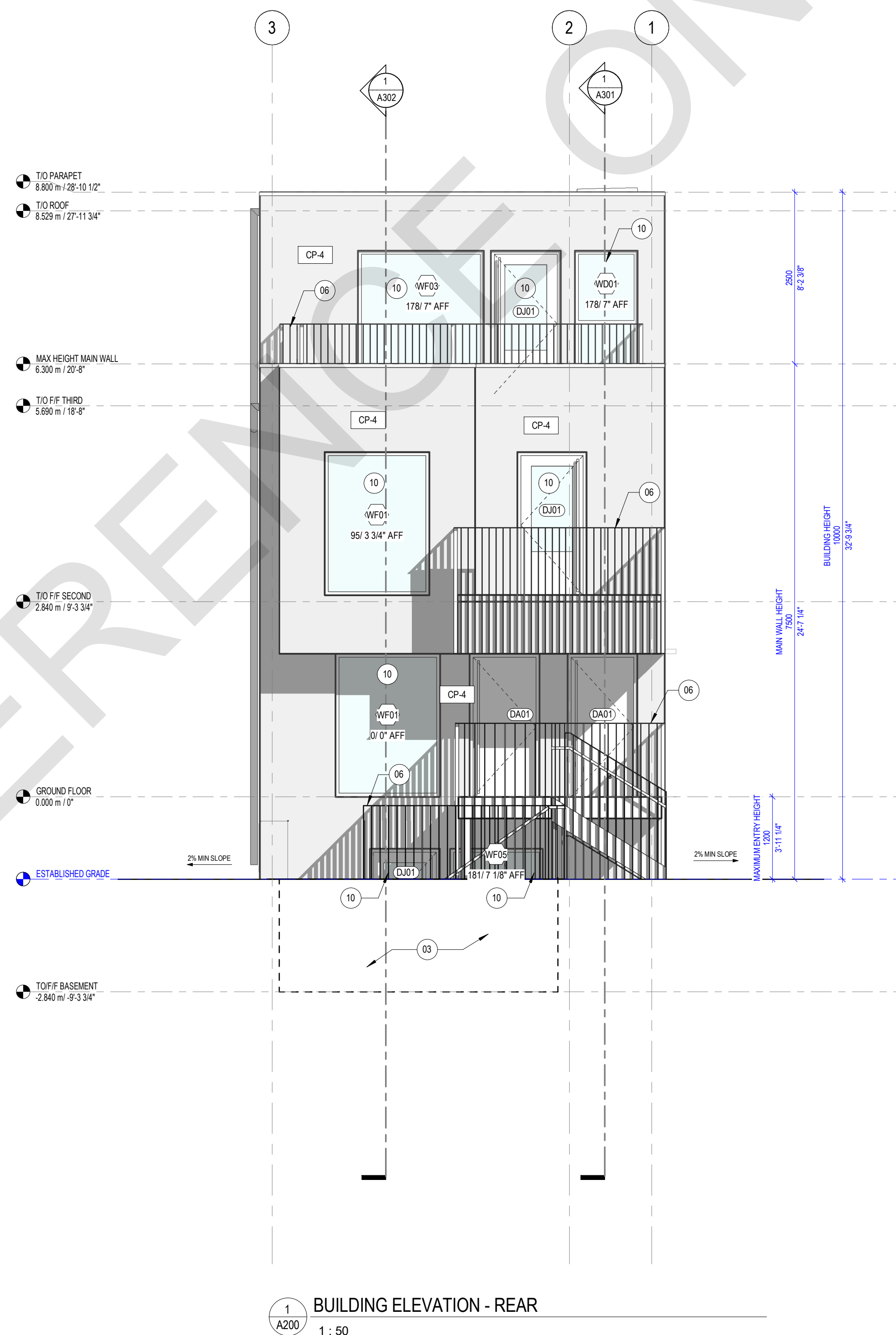
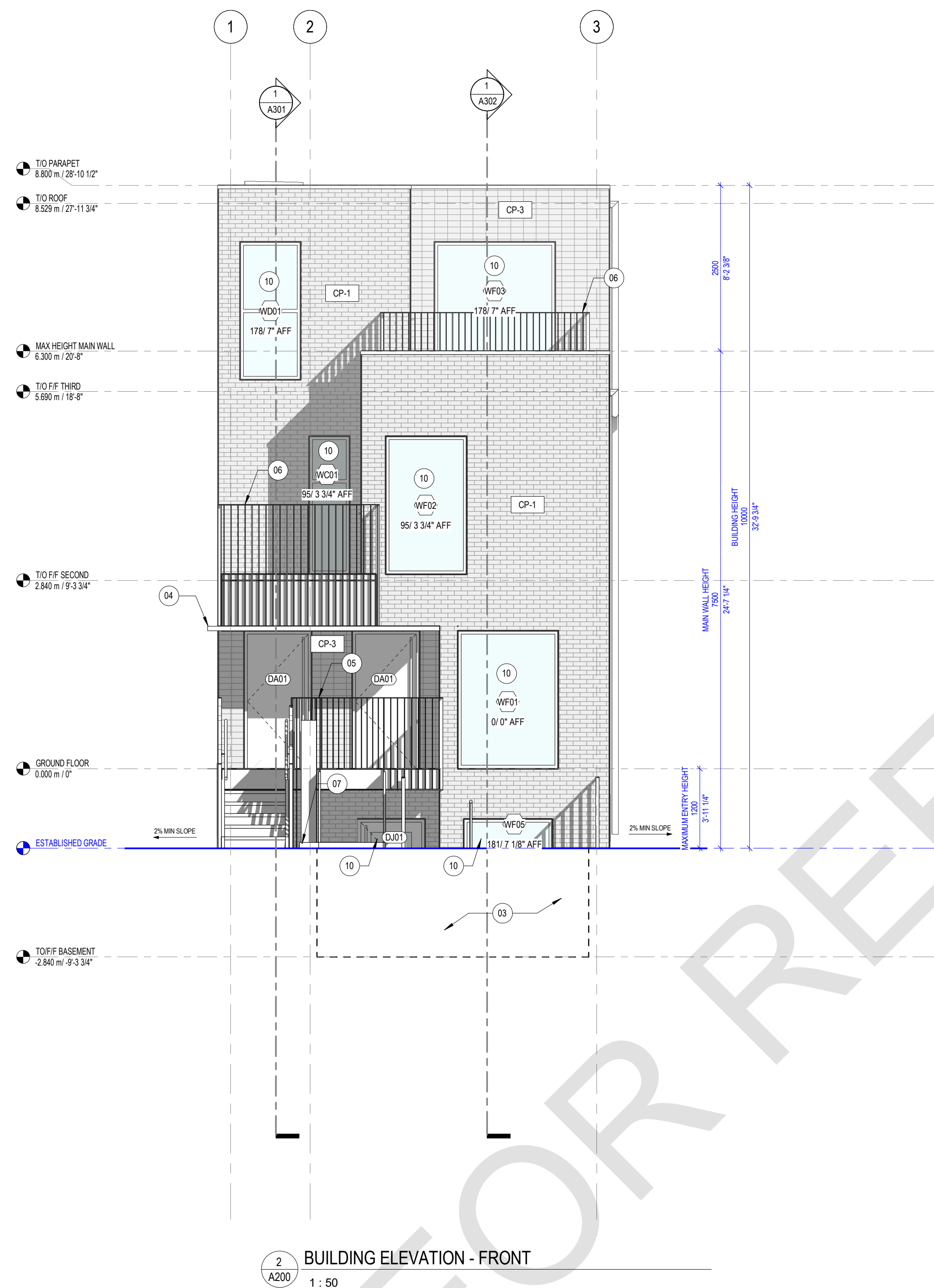
ELEVATIONS

PROJECT NO: 241058

SCALE: 1 : 50

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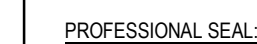
A200





ELEVATION MATERIAL SCHEDULE	
TAG	MATERIAL
CP-1	CLADDING, TYPE 1
CP-3	CLADDING, TYPE 3
CP-4	CLADDING, TYPE 4
PFM	PRE-FINISHED METAL FLASHING





- 01 UNENCLOSED GALVANISED STEEL EXTERIOR STAIR AND LANDINGS. REFER TO STRUCT.
- 02 JULIET BALCONY
- 03 BELOW GRADE WALKOUT. CONCRETE SLAB ON GRADE.
- 04 NON_COMBUSTIBLE CANOPY
- 05 OPERABLE GATE FOR ACCESSIBLE LIFT
- 06 GUARD, AS PER CBC 9.8.8.1 (1).
- 07 UNENCLOSED VERTICAL LIFT AS PER CSA B355-24
- 08 DOWNSPOUT
- 09 DOWN SPOUT AND EXTENSION AS PER CBC 2.6 18.2 (1). LENGTH AND PLACEMENT OF EXTENSION TO BE CONFIRMED BY QDP. PLACEMENT SHALL NOT IMPIDE SIDE YARD ACCESS.
- 10 FIRE PROTECTED WINDOW AS PER CBC 9.9.4.4 TO BE PROTECTED WITH WIRE GLASS, FIRE RATED GLASS, SPRINKLERS, OR FIRE SHUTTERS. SEE NOTE 16 ON WINDOW SCHEDULE AND TYPICAL DETAILS.

TAG	MATERIAL
CP-1	CLADDING, TYPE 1
CP-3	CLADDING, TYPE 3
CP-4	CLADDING, TYPE 4
PFM	PRE-FINISHED METAL FLASHING

GENERAL NOTES

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND ANY OTHER AGENCIES HAVING JURISDICTION.
2. THE CDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE CDP MUST ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, REGULATORY REQUIREMENTS, AND ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE. THE PLANS WILL NO LONGER BE APPROVED FOR CONSTRUCTION UNTIL THE CDP HAS SUBMITTED A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
3. THE CDP'S DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED, THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION. THE CDP'S DESIGN PROFESSIONAL IS ALSO RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THE DESIGN.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AGENCIES HAVING JURISDICTION.
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

ELEVATIONS

PROJECT NO:

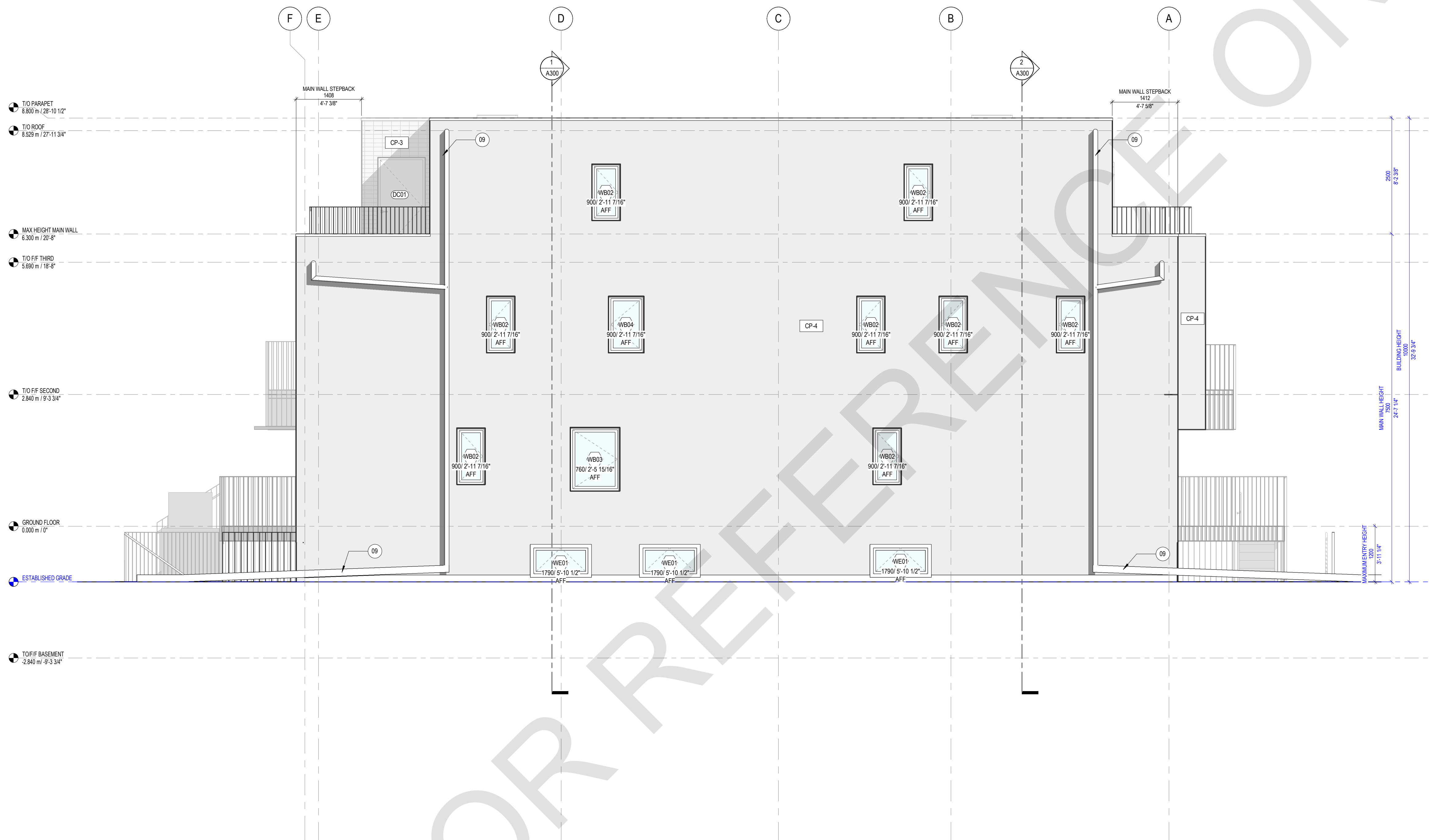
241058

SCALE:

1 : 50

SHEET NO:

A202



1 BUILDING ELEVATION - SIDE 2
A202 1 : 50

1 : 50

PROFESSIONAL SEAL

GENERAL NOTES

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

- ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND ANY OTHER AGENCIES THAT MAY HAVE JURISDICTION OVER THE PROJECT. THE QDP MUST REVIEW AND UPDATE THE DESIGN ELEMENTS COLOURED IN BLUE TO CONFORM SITE-SPECIFIC CONDITIONS AND ANY OTHER APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE COLOURED PORTION ARE REQUIRED, THE QDP MUST OBTAIN A QDP LONG-LEAD QUALIFICATION AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
- THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDE APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE APPLICABLE PROFESSIONAL ASSOCIATION, ANY OTHER AGENCIES HAVING JURISDICTION (AHS), QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY AGENCIES' DESIGN AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
- THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AGENCIES FOR REVIEW AND APPROVAL.
- THE CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

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NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

SECTIONS

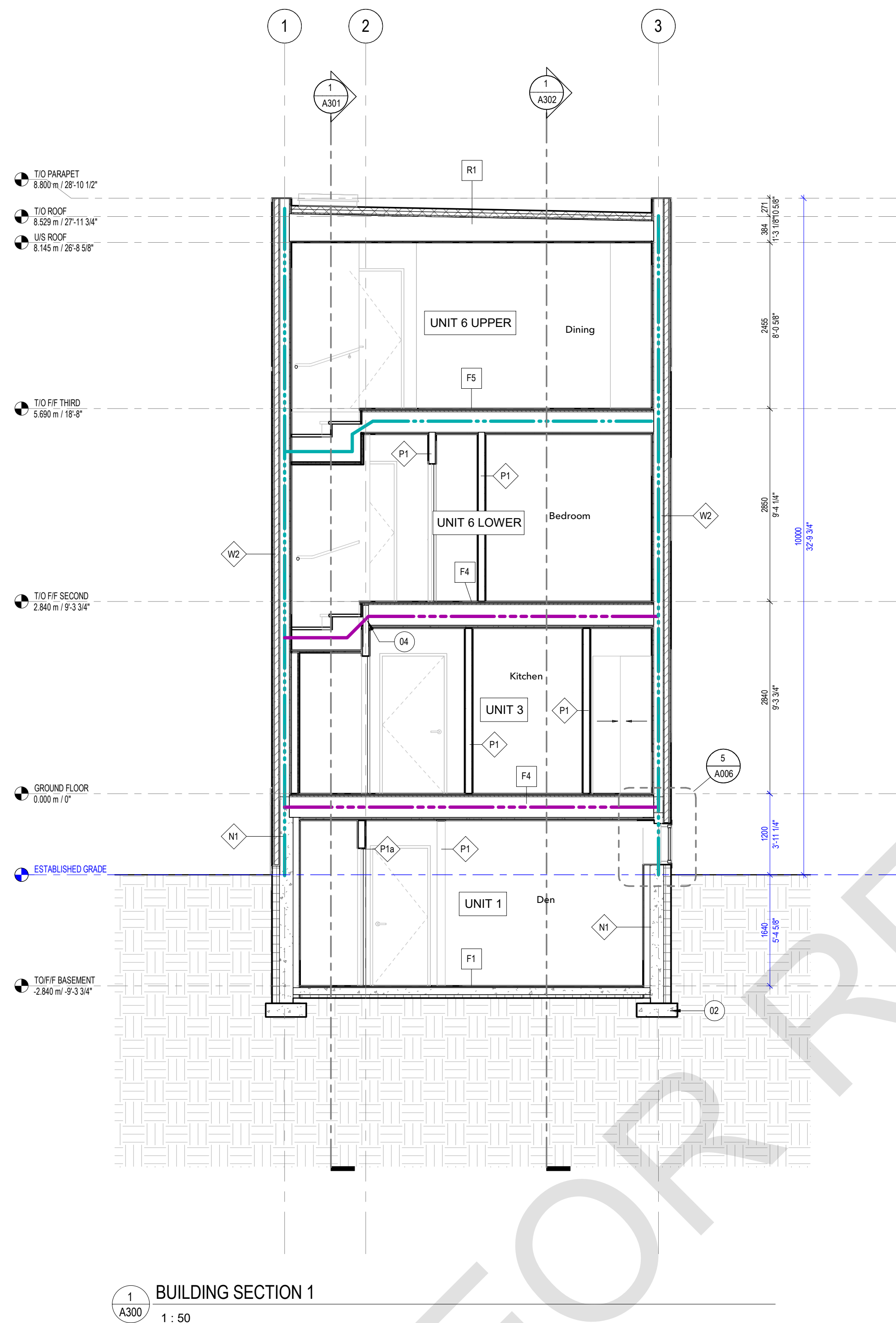
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PROJECT NO: 241051

SCALE: 1 : 50

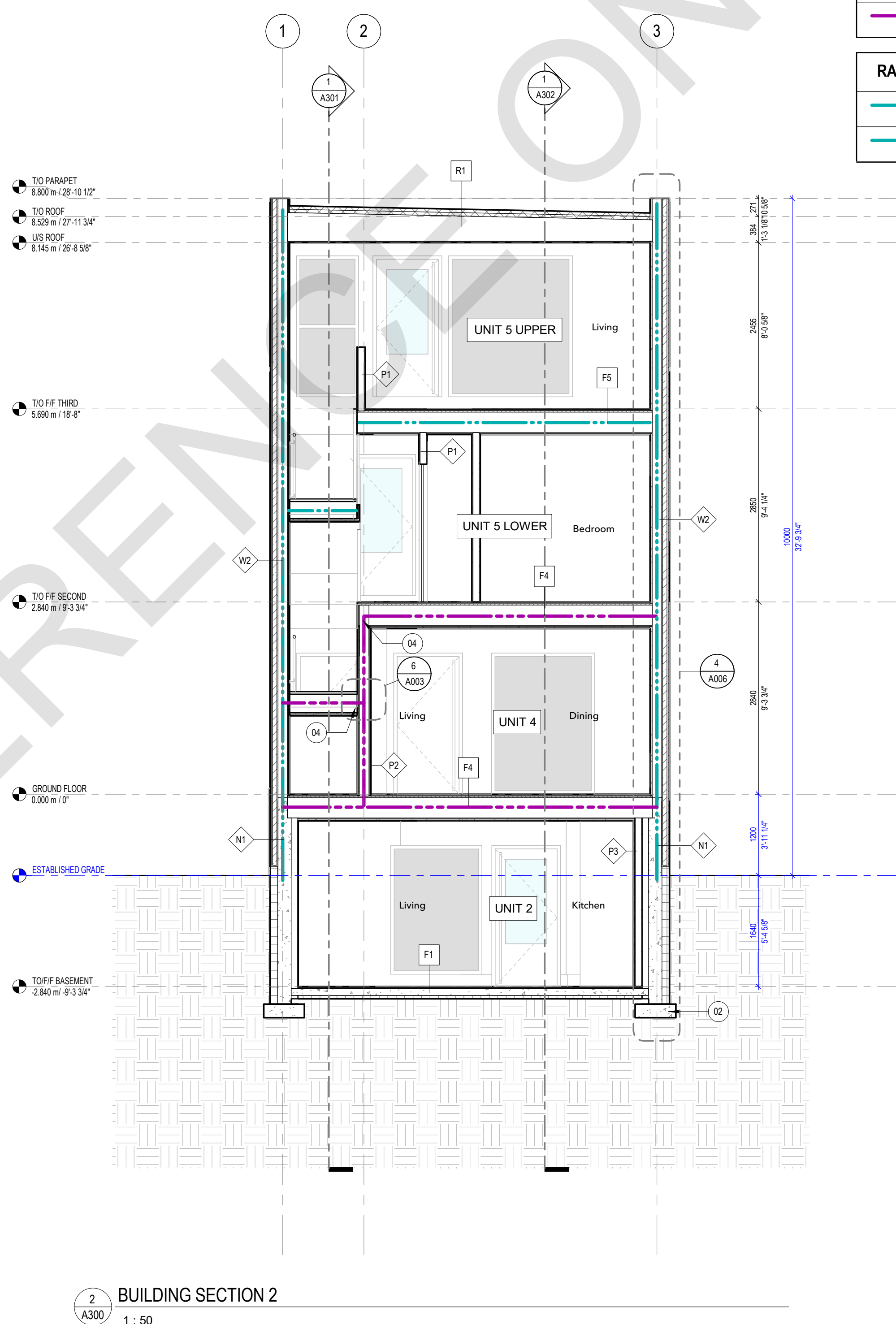
SHEET NO:

A300



BUILDING SECTION 1

1 : 50



BUILDING SECTION 2

1 : 50

SECTION KEYNOTES

01	STRUCTURAL STEEL COLUMNS REFER TO STRUCTURAL
02	ALL FOUNDATION WALLS AND FOOTING SIZES VARIES. REFER TO STRUCT.
03	THICKENED SLAB. REFER TO STRUCT.
04	ALL WALL AND FLOOR ASSEMBLIES AT STAIRS AND LANDINGS REQUIRED TO BE A FIRE SEPARATION SHALL BE CONSTRUCTED AS A CONTINUOUS BARRIER AGAINST THE SPREAD OF FIRE AND SMOKE AS PER CBC 1-10.9.2. REFER TO FIRE SEPARATION DRAWINGS FOR REQUIRED FIRE SEPARATION RATINGS.
05	CONTINUE FIRE SEPARATION THROUGH ROOF ASSEMBLY.

FIRE SEPARATION LEGEND (MIN. REQ.)

	1HR FIRE SEPARATION
	45MIN FIRE SEPARATION

RATED ASSEMBLIES LEGEND (MIN. REQ.)

	1HR FRR
	45MIN FRR



GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – DESIGN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL – TO BE DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.

THE QDP MUST REVIEW AND UPDATE THE DESIGN CONDITIONS INCURRED IN BLUE PRINTS TO REFLECT SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QDP MUST ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS. IF ANY MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE QDP'S LIMITED EDITION ARE REQUIRED, THE QDP MUST BE RE-QUALIFIED AS PRE-APPROVED, AND APPLICANTS WILL BE REQUIRED TO SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD PERMIT PROCESS.

THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECTS OR ENGINEERS SEAL AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND THE AUTHORITIES HAVING JURISDICTION AHA. QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY REQUIREMENTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.

THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION.

CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

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NO.	DATE	DESCRIPTION
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PROJECT:
City of Toronto - Multiplex

SIXPLEX NARROW

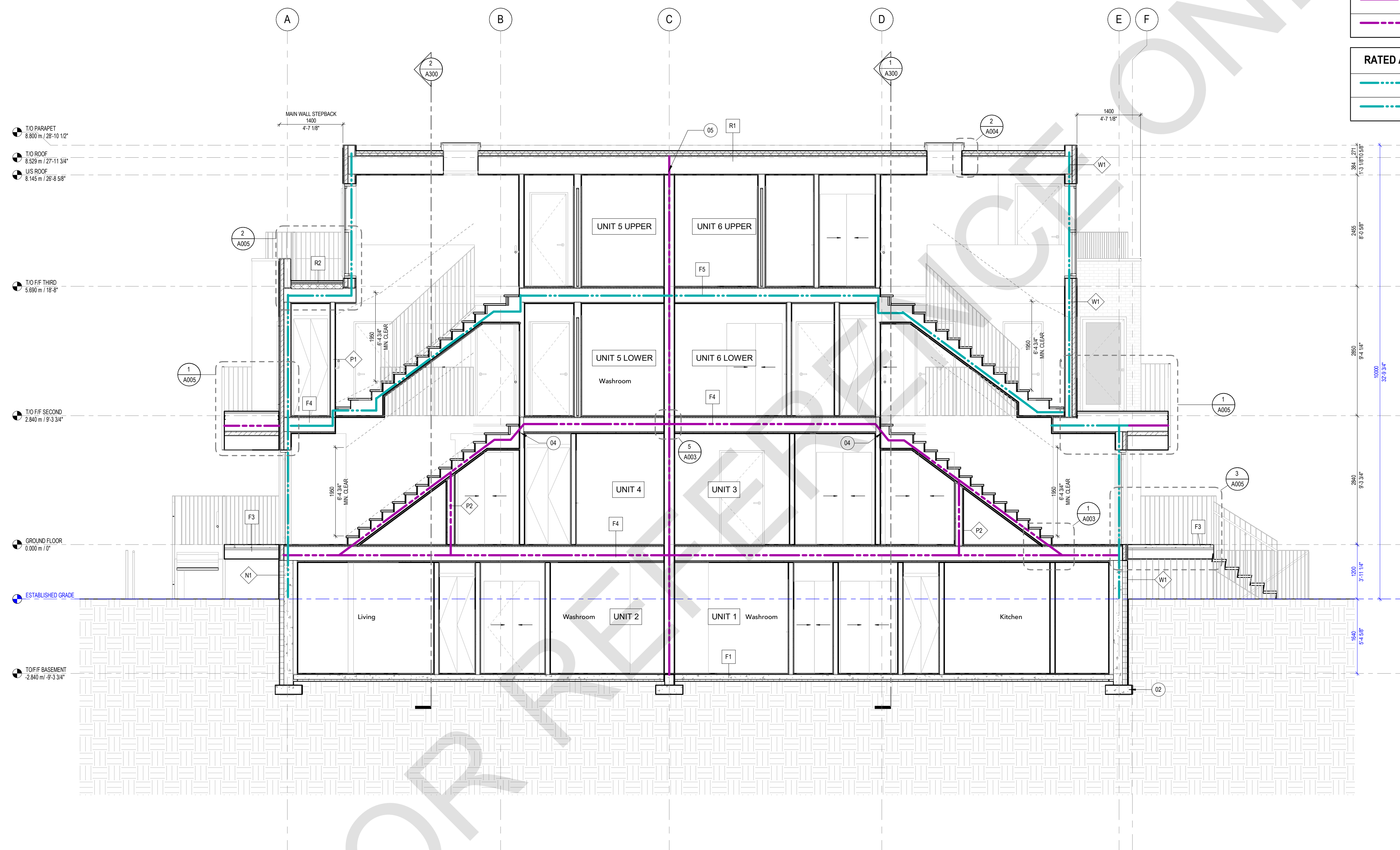
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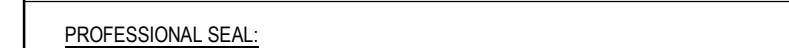
PROJECT NO: 241058
SCALE: 1 : 50

SHEET NO:

A301



1 BUILDING SECTION 3
A301 1 : 50



- 01 STRUCTURAL STEEL COLUMNS REFER TO STRUCTURAL.
- 02 ALL FOUNDATION WALLS AND FOOTING SIZES VARIES. REFER TO STRUCT.
- 03 THICKENED SLAB. REFER TO STRUCT.
- 04 ALL WALL AND FLOOR ASSEMBLIES AT STAIRS AND LANDINGS REQUIRED TO BE A FIRE SEPARATION SHALL BE CONSTRUCTED AS A CONTINUOUS BARRIER AGAINST THE SPREAD OF FIRE AND SMOKE AS PER NBC 3.10.9.2. REFER TO FIRE SEPARATION DRAWINGS FOR REQUIRED FIRE SEPARATION RATINGS.
- 05 CONTINUE FIRE SEPARATION THROUGH ROOF ASSEMBLY.

	1HR FIRE SEPARATION
	45MIN FIRE SEPARATION

	1HR FRR
	45MIN FRR

GENERAL NOTES

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
2. THE QUALIFIED DESIGN PROFESSIONAL SHALL REVIEW ALL PLANS, SPECIFICATIONS, AND OTHER DESIGN ELEMENTS COLOURED IN BLUE TO CONFIRM SITE-SPECIFIC CONDITIONS AND VERIFY ASSUMPTIONS. THE QUALIFIED DESIGN PROFESSIONAL SHALL ENSURE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, ORDINANCES, AND REGULATORY REQUIREMENTS. ANY NECESSARY DESIGN MODIFICATIONS TO ANY PORTION OF THE DESIGN OTHER THAN THE BLUE-HIGHLIGHTED ELEMENTS ARE MADE. THE PLANS WILL NO LONGER BE THE PROPERTY OF THE DESIGNER. THE QUALIFIED DESIGN PROFESSIONAL SHALL SUBMIT A BUILDING PERMIT APPLICATION THROUGH THE STANDARD REVIEW PROCESS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS once UPDATED. THIS INCLUDES APPLYING THE ARCHITECTS OR ENGINEERS SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION. THE QUALIFIED DESIGN PROFESSIONAL IS RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THE JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION.
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

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NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

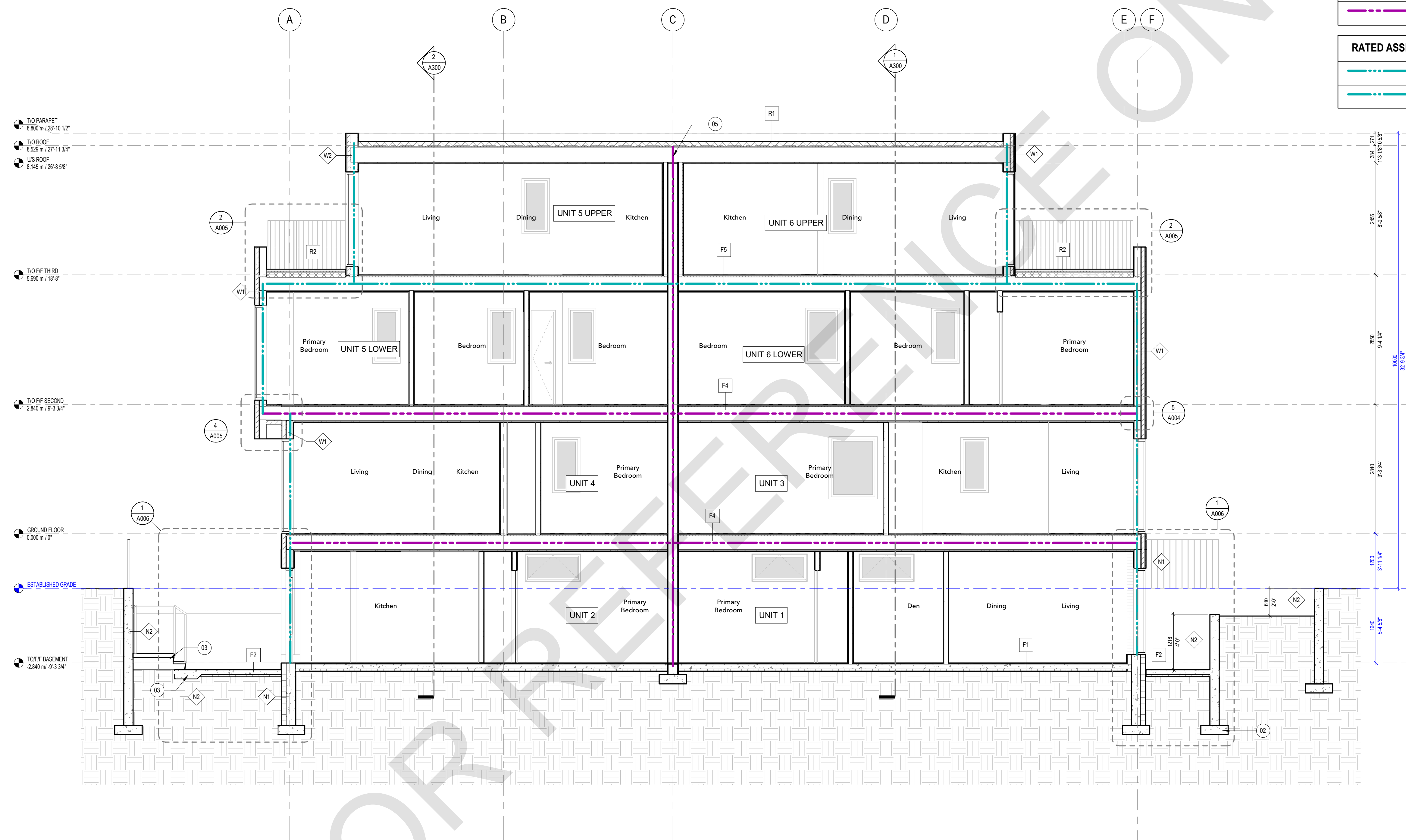
SECTIONS

PROJECT NO: 241058

SCALE: 1 : 50

SHEET NO:

A302



1 BUILDING SECTION 4
A302 1 : 50

**CITY OF TORONTO MULTIPLEX
SIXPLEX NARROW**
STRUCTURAL DRAWINGS



PROFESSIONAL SEAL:

GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
 2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE CONDITIONS, VERIFY ASSUMPTIONS, MAKE ANY FINAL DESIGN SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS.
 3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECTS OR ENGINEERS SEAL AS REQUIRED BY THE APPLICABLE PROFESSIONAL ASSOCIATION AND THE AUTHORITY HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THE JURISDICTION.
 4. THE ENGINEER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
- CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

COVER

PROJECT NO:

SCALE: N.T.S.

SHEET NO:

S-000

1. USE OF THESE STRUCTURAL DRAWINGS
 - 1.1. STRUCTURAL MEMBERS SHOWN ON THIS SET OF DRAWINGS HAVE BEEN DESIGNED TO RESIST PART 9 ENVIRONMENTAL DESIGN LOADS BASED ON WORST CASE WIND, SNOW AND SEISMIC VALUES FOR METROPOLITAN TORONTO LOCATIONS PER CBC 2024 S8, TABLE 2 - CLIMATIC DESIGN DATA
 - 1.2. SIZING OF ENGINEERED LUMBER FRAMING, STEEL ELEMENTS, COLD FORMED STEEL FRAMING, REINFORCED CONCRETE FOUNDATION WALLS AND FOOTINGS HAS BEEN CALCULATED IN ACCORDANCE WITH PART 4 OF THE CBC WHERE DESIGN REQUIREMENTS EXCEED THOSE PROVIDED IN THE CODE
 - 1.3. LATERAL RESISTANCE TO WIND LOADS PROVIDED ARE PROVIDED BY BRACED WALL BANDS AND PANELS CALCULATED IN ACCORDANCE WITH CBC 9.2.3.13 AND WHERE ARCHITECTURAL DESIGN IMPERATIVES EXCEED THE LIMITS OF PART 9, SHEAR WALLS AND LATERAL RESISTING ELEMENTS WERE DESIGNED IN ACCORDANCE WITH PART 4 OF THE CBC USING LOADS GENERATED USING PART 4.
 - 1.4. ANY CHANGES TO FRAMING LAYOUT, ASSEMBLIES, MATERIALS, CONNECTIONS AND /OR LOCATION OF THE BUILDING OUTSIDE OF METROPOLITAN TORONTO (2026 BOUNDARIES) MUST BE CARRIED OUT BY A STRUCTURAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.
 - 1.5. FOUNDATION ELEMENTS HAVE BEEN DESIGNED USING AN ALLOWABLE SOIL BEARING VALUE OF 75 kPa.
 - 1.6. THE OWNER MUST CONFIRM THIS MINIMUM BEARING VALUE BY GEOTECHNICAL INVESTIGATION OR BY MEANS THAT IS IN ACCORDANCE WITH THE CITY OF TORONTO'S CBO (CHIEF BUILDING OFFICIAL)
 - 1.7. USE OF HIGHER ALLOWABLE SOIL BEARING VALUES TO OPTIMIZE FOOTING SIZES SHOWN ON THESE DRAWINGS MUST BE BASED ON FINDINGS AND RECOMMENDATIONS MADE BY A GEOTECHNICAL INVESTIGATION AND DESIGN REVISIONS CARRIED OUT BY A STRUCTURAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.
 - 1.8. THE OWNER MUST CONFIRM PRIOR TO CONSTRUCTION THAT PROPOSED EXCAVATIONS AND CONSTRUCTION OF FOUNDATIONS OR OTHER BUILDING ELEMENTS WILL BE ABOVE OR BELOW A 7:10 RATIO OF REPOSE TO ADJACENT BUILDING FOUNDATIONS, CONSTRUCTING WITHIN THIS ANGLE OF REPOSE REQUIRES FOUNDATIONS TO BE DESIGNED AND REVIEWED ON SITE BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.
2. LOADS USED IN THE DESIGN:
 - 2.1. SNOW: 1.0B kPa
 - 2.2. LIVE: 1.9 kPa RESIDENTIAL OCCUPANCY AND 4.8 kPa COMMON AND EGRESS AREAS.
 - 2.3. DEAD: 1.0 kPa (ROOF) and 1.7 kPa (FLOORS) and 0.7 kPa (EXTERIOR WALLS).
 - 2.4. SB: 0.83 kPa (WIND) AND 0.83 kPa (WIND) FOR PART 4 SHEAR WALLS AND MOMENT RESISTING COLUMNS
 - 2.5. INTERNAL WIND PRESSURE: 0.5 kPa
3. SUBMITTALS:
 - 3.1. SHOP DRAWINGS DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO OR SUPPLIER APPROVED BY THE CHIEF BUILDING OFFICIAL OF THE CITY OF TORONTO ARE REQUIRED FOR REVIEW AND APPROVAL BY THE PROJECT DESIGN PROFESSIONAL OF THE FOLLOWING ELEMENTS:
 - 3.2. ENGINEERED LUMBER ROOF AND FLOOR FRAMING FOR GRAVITY LOADS SHOWN ON THESE DRAWINGS.
 - 3.3. COLD FORMED STEEL (CFS) BEARING WALLS FOR GRAVITY, WIND, AND LATERAL FORCES SHOWN ON THESE DRAWING.
 - 3.4. MISCELLANEOUS METALS ITEMS SUCH AS EXTERIOR ENTRY STAIRS, EXTERIOR EGRESS STAIRS, GUARD RAILS AND OTHER LATERAL ELEMENTS SUPPORTING LIVE, SNOW OR WIND LOADS.
 - 3.5. GEOTECHNICAL ENGINEERING REPORTS AS REQUIRED.
 - 3.6. CONFIRMATION THAT BUILDING FOUNDATIONS, SHORING AND EXCAVATIONS DO NOT ENROACH ON SAFE ANGLE OF REPOSE TO ADJACENT BUILDING OR STRUCTURE FOUNDATIONS.
 - 3.7. RESERVED.
4. GENERAL
 - 4.1. REFER TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE 2024, O.R.G. 163/24 AND ANY APPLICABLE ACTS OF AUTHORITY HAVING JURISDICTION.
 - 4.2. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
 - 4.3. BEFORE PROCEEDING WITH WORK, CHECK ALL THE DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND REPORT DISCREPANCIES TO THE APPROVED DESIGN PROFESSIONAL. DO NOT MAKE THE DRAWINGS.
 - 4.4. REFER TO THE ARCHITECTURAL AND OTHER DRAWINGS FOR LOCATIONS AND DIMENSIONING OF OPENINGS AND SLEEVES NOT SHOWN ON THE STRUCTURAL DRAWINGS. ASSUME TYPICAL DETAILS APPLY. HOWEVER, OBTAIN THE APPROVED DESIGN PROFESSIONAL'S PRIOR APPROVAL BEFORE INSTALLING OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
 - 4.5. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF PITS, BASES, SLUMPS, TRENCHES, DEPRESSIONS, GROOVES, CURBS, CHAMFERS AND SLOPES NOT SHOWN ON STRUCTURAL DRAWINGS. ADJUST UNDERSIDE ELEVATIONS OF FOOTINGS AS REQUIRED TO AVOID UNDERMINING THE FOOTINGS AND FOUNDATIONS.
 - 4.6. HORIZONTAL AND VERTICAL DESIGN LOADS ARE NOTED. THEY SHALL NOT BE EXCEEDED DURING CONSTRUCTION.
 - 4.7. TYPICAL STRUCTURAL DETAILS SHALL GOVERN THE WORK. IF DETAILS DIFFER ON THE DRAWINGS, THE MOST STRINGENT SHALL GOVERN.
 - 4.8. CONTRACTOR TO PROVIDE AND BE SOLELY RESPONSIBLE FOR ALL TEMPORARY WORKS.
 - 4.9. THE INFORMATION SHOWN ON STRUCTURAL DRAWINGS REPRESENT THE BUILDING IN ITS FINISHED STATE. CONTRACTOR TO REVIEW ALL DESIGN REQUIREMENTS AND DETERMINE ALL TEMPORARY WORKS REQUIRED TO COMPLETE THE STRUCTURE PER CONTRACT DOCUMENTS INCLUDING MEANS, METHOD, TECHNIQUES, SEQUENCES, PROCEDURES, TEMPORARY SHORING AND/OR BRACING, TEMPORARY OPENINGS, EXCAVATION SHORING, ERECTION PROCEDURES, ETC.
5. DESIGN NOTES
 - 5.1. THE BUILDING IS DESIGNATED AS BELONGING TO THE NORMAL IMPORTANCE CATEGORY, AS DEFINED IN THE CBC 2024.
 - 5.2. ALL REINFORCED CONCRETE ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD A23.1.
 - 5.3. ALL STRUCTURAL TIMBER ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD C08.
 - 5.4. LATERAL FORCES ON STRUCTURAL FRAME
 - 5.5. LATERAL FORCE COEFFICIENT FOR BRACED WALLS AS PER 9.2.3.13.1.(2)(a) OF THE CBC 2024. WOOD SHEAR WALLS, CFS BRACED FRAMES, AND MOMENT RESISTING BEAM COLUMNS.
 - 5.6. THE FRAME IS NOT STABLE UNTIL THE LATERAL LOAD RESISTING SYSTEM IS IN PLACE.
 - 5.7. WIND:
 - 5.7.1. THE DESIGN OF THE STRUCTURE FOR WIND IS BASED ON AN HOURLY WIND PRESSURE OF 0.47 kPa (BASED ON 150 YEAR RETURN FOR SCARBOROUGH).
 - 5.7.2. EXPOSURE CATEGORY: ROUGH TERRAIN.
 - 5.7.3. THE IMPORTANCE FACTOR FOR WIND DESIGN IS 1.0. FOR DEFLECTION ANALYSIS, THE FACTOR IS 0.75.
 - 5.7.4. WHERE CBC 9.2.3.13.1 WAS NOT APPLICABLE THE DESIGN WIND FORCES HAVE BEEN CALCULATED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2024 AND WITH THE "STATIC" PROCEDURE DESCRIBED IN THE USER'S GUIDE - NBC 2020 - STRUCTURAL COMMENTARIES (PART 4).
 - 5.8. LATERAL FORCES ON FOUNDATION WALLS
 - 5.8.1. WALLS RETAINING EARTH ARE DESIGNED TO SAFELY WITHSTAND A HORIZONTAL PRESSURE AT ANY DEPTH (h) GIVEN BY THE EXPRESSION:
$$P = K \gamma (h + q)$$
WHERE:
 - K IS THE LATERAL EARTH PRESSURE COEFFICIENT
 - P IS THE PRESSURE EXERTED HORIZONTALLY
 - h IS THE DEPTH BELOW GRADE
 - γ IS THE UNIT WEIGHT OF SOIL
 - q IS THE SURCHARGE ON THE GROUND SURFACE
 - 5.8.2. THE WALLS HAVE BEEN DESIGNED ASSUMING THAT THERE IS FREE-DRAINAGE BACKFILL, OR THAT OTHER PROVISIONS HAVE BEEN MADE, SUCH THAT THE WALLS ARE NOT SUBJECT TO HYDROSTATIC PRESSURE.
 - 5.8.3. IN ACCORDANCE WITH CBC C08 9.4.4.6, THE WALLS HAVE BEEN DESIGNED USING K=0.83, AND γ=21 kn/m3.
 - 5.9. SNOW LOADS ON ROOF:
 - 5.9.1. THE ROOFS HAVE BEEN DESIGNED WITH Ss = 1.2 kPa AND Sr = 0.4 kPa.
 - 5.9.2. THE IMPORTANCE FACTOR, I/S, IS 1.0 FOR ULS AND 0.9 FOR SLS.
 - 5.9.3. LIVE AND OTHER LOADS
 - 5.9.4. SEE NOTES BELOW FLOOR PLANS.
 - 5.9.5. IN THE DESIGN OF COLUMNS, WALLS, BEAMS, FLAT SLABS ETC. THE INDICATED LIVE LOADS HAVE NOT BEEN REDUCED AS PER TRIBUTARY AREA CONSIDERATIONS OF THE ONTARIO BUILDING CODE.
 - 5.10. FUTURE EXTENSIONS
 - 5.10.1. THE STRUCTURE HAS NOT BEEN DESIGNED FOR ANY FUTURE EXTENSIONS.
6. CONCRETE
 - 6.1. MATERIALS
 - 6.1.1. CONCRETE
 - 6.1.1.1. CONFORM TO THE REQUIREMENTS OF CSA STANDARD A23.1 (LATEST VERSION) AND THE FOLLOWING FOR STRENGTH, SLUMP, CURING AND DESIGNED MATERIALS CONTENT AND AIR CONTENT.
 - 6.1.1.2. FOR NOMINALLY UNREINFORCED CONCRETE, CONFORM TO THE REQUIREMENTS OF CSA STANDARD A438 (LATEST VERSION) AND THE FOLLOWING FOR STRENGTH, SLUMP, WATER-TO-CEMENTING MATERIALS CONTENT AND AIR CONTENT, INCLUDING THE FOLLOWING:
 - 6.1.1.2.1. CONCRETE STRENGTH 20 MPa, INCREASE TO:
 - 6.1.1.2.2. 32 MPa FOR GARAGE FLOORS, CARPORT FLOORS AND ALL EXTERIOR FLATWORK.
 - 6.1.1.2.3. 25 MPa FOR INTERIOR SLABS ON GRADE, UNLESS DAMP PROOFING IS PROVIDED (0.15 mm POLYETHYLENE BELOW SLAB).
 - 6.1.1.2.4. AIR CONTENT OF 5%-8% WHERE EXPOSED TO FREEZE-THAW, REDUCE TO 3%-6% FOR FOOTINGS.
 - 6.1.1.2.5. MAXIMUM SLUMP OF 100 mm. INCREASE TO 150mm FOR CONVENTIONAL FOUNDATIONS.
 - 6.1.1.3. NOMINALLY UNREINFORCED CONCRETE SHALL BE USED WHERE APPROPRIATE AS APPROPRIATE IN AREAS OF CONGESTED REINFORCING STEEL OR TO IMPROVE WORKABILITY. MODIFY MIX DESIGNS TO SUIT.
 - 6.1.1.3.1. WHERE AGGREGATES SMALLER THAN 14 mm ARE USED, INCREASE AIR CONTENT BY 1%.
 - 6.1.1.3.2. REINFORCED CONCRETE IS DESIGNED TO DE-icing CHEMICALS TO HAVE DC CORROSION INHIBITOR @ 111cu.m dosage OR APPROVED EQUIVALENT
 - 6.1.1.3.3. MAX 25kg cement/cu.m
 - 6.1.2. REINFORCEMENT
 - 6.1.2.1. CONFORM TO THE REQUIREMENTS OF CSA G30.18 FOR CARBON STEEL REINFORCING BARS
 - 6.1.2.2. CONFORM TO THE REQUIREMENTS OF ASTM A1064/A1064M FOR WELDED WIRE FABRIC.
 - 6.1.2.3. REINFORCING BARS SHALL HAVE A MINIMUM YIELD STRENGTH fy = 400 MPa, AND WELDED WIRE FABRIC SHALL HAVE A MINIMUM YIELD STRENGTH OF fy = 386 MPa. SUPPLY IN FLAT SHEETS.
 - 6.1.2.4. WHERE WELDING OF REBAR IS INDICATED, WELDABLE GRADE REBAR SHALL BE USED.
- 6.2. EXECUTION
 - 6.2.1. CONCRETE AND REINFORCEMENT
 - 6.2.1.1. PROVIDE DOWELS TO WALLS AND COLUMNS SIMILAR IN NUMBER, SIZE, AND SPACING TO THE VERTICAL STEEL IN THE WALL OR COLUMN EXCEPT WHEN NOTED OTHERWISE.
 - 6.2.1.2. CONSTRUCTION JOINTS:
 - 6.2.1.2.1. VERTICAL CONSTRUCTION JOINTS MAY BE MADE ONLY AT MID-SPAN OF BEAMS, JOISTS, AND SLABS UNLESS OTHERWISE SHOWN OR DIRECTED AND THEIR LOCATION SHALL BE REVIEWED BY THE CONSULTANT.
 - 6.2.1.2.2. PROVIDE 36x89 KLS AT CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE.
 - 6.2.1.2.3. NO SLABS TO BE PLACED VERTICALLY OR HORIZONTALLY THROUGH BEAMS WITHOUT BEING REVIEWED BY THE CONSULTANT.
 - 6.2.1.2.4. WELDING OF REBAR SHALL BE DONE IN ACCORDANCE WITH CSA W186.
 - 6.2.1.3. CONCRETE COVER TO REINFORCEMENT
 - 6.2.1.3.1. CONFORM TO THE REQUIREMENTS OF CSA STANDARD A23.1 (LATEST VERSION) FOR COVER TO REINFORCEMENT.
 - 6.2.1.3.2. ADDITIONAL COVER REQUIREMENTS AS APPLICABLE.
 - 6.2.1.3.3. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:
 - 6.2.1.3.4. 30M BARS AND SMALLER: 75mm
 - 6.2.1.3.5. CONCRETE EXPOSED TO CHLORIDES (C-1, C-3) (DOES NOT INCLUDE CONCRETE PROTECTED BY A WATER

- 7.1.5. WELDS - CONFORM WITH CSA W59-03
- 7.1.6. ANCHOR RODS - CONFORM TO THE REQUIREMENTS OF CSA G40.21 GRADE 300W UNLESS NOTED OTHERWISE.
- 7.1.6.1. ALL OTHER - CONFORM TO THE REQUIREMENTS OF CSA G40.21 GRADE 300W
- 7.1.6.2. NOMINAL GRADE PLATE PROTECTION IN ACCORDANCE WITH CISC/PICA-173a - A QUICK-DRYING ONE COAT PAINT FOR USE ON STRUCTURAL STEEL.
- 7.2. EXECUTION
- 7.2.1. PROVIDE A MINIMUM BEARING OF 200 mm FOR ALL STEEL BEAMS BEARING ON MASONRY AND A MINIMUM OF 100 mm ON STRUCTURAL STEEL, UNLESS NOTED OTHERWISE.
- 7.2.2. CENTRE BEARING PLATES UNDER BEAMS, OR AS NOTED.
- 7.2.3. BEARING PLATE DIMENSION GIVEN FIRST INDICATES SIDE PARALLEL TO BEAM WEB.
- 7.2.4. NOT TO BE USED FOR CROSS BRACING, AND THE LIKE FOR THE LOADINGS AND FORCES SHOWN OR IMPLIED ON THE DRAWINGS.
- 7.2.4.1. PROVIDE FULL DEPTH WEB STIFFENERS AT ALL BEAMS BEARING ON COLUMNS AND ALL BEAMS SUPPORTING COLUMNS. WEB STIFFENERS SHALL BE OF THE SAME SIZE AND THICKNESS AS THE COLUMN FLANGES AND SHALL ALIGN WITH THE FLANGES OF THE SUPPORTING COLUMN.
- 7.2.6. CONJOINT BEAMS FOR THE FACTORED REACTIONS INDICATED ON THE DRAWINGS. IF BEAM REACTIONS ARE NOT INDICATED, THE CONNECTIONS SHALL BE DESIGNED FOR ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY OF THE SIMPLE SPAN BEAM FOR THE GIVEN SPAN PRESENTED IN THE CISC HANDBOOK OF STEEL CONSTRUCTION. BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO FULLY DEVELOPED JOISTS.
- 7.2.7. STEEL SUPPLIER TO DESIGN AND PROVIDE INTERCONNECTION BETWEEN BUILT UP MEMBERS AS NOTED, WHERE NOT NOTED, STEEL SUPPLIER IS TO INTERCONNECT AS REQUIRED TO ENSURE ADEQUATE CAPACITY FOR THE DESIGN FORCES SHOWN OR IMPLIED ON THE DRAWINGS.
- 7.2.8. STEEL SUPPLIER TO DESIGN CONNECTIONS OF SINGLE ANGLE MEMBERS FOR THE FORCES SHOWN OR IMPLIED IN THE DRAWINGS, SUCH THAT CONNECTIONS ARE MADE TO THE SAME LEG EACH END BY WELDING OR WITH A MINIMUM OF TWO BOLTS.
- 7.2.9. ALL STRUCTURAL STEEL LOCATED OUTSIDE OF THE BUILDING ENVELOPE OR EXPOSED TO HIGH HUMIDITY OR MOISTURE SHALL BE FULLY GALVANIZED IN ACCORDANCE WITH CSA G164.
- 7.2.9.1. WHERE GALVANIZING IS REQUIRED, THE COATING SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780/A780M.
- 7.2.9.2. PROVIDE COATINGS OF Z180 GALVANIZING IN ACCORDANCE WITH ASTM-A653/A653M FOR EXTERIOR BUILDING ENVELOPE.
- 7.2.9.3. WHERE GALVANIZING IS REQUIRED, THE COATING SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780/A780M.
- 7.2.9.4. PROVIDE COATINGS OF Z180 GALVANIZING IN ACCORDANCE WITH ASTM-A653/A653M FOR EXTERIOR BUILDING ENVELOPE.
8. LIGHTWEIGHT STEEL FRAMING SYSTEM
- 8.1. MATERIALS
- 8.1.1. CONFORM TO THE REQUIREMENTS OF CSA-S136
- 8.1.2. STEEL SHALL MEET THE REQUIREMENTS OF CAN/CSA-S136 WITH A MINIMUM YIELD STRENGTH OF 228 MPa FOR MATERIAL 1.2mm THICK AND THINNER AND 345 MPa FOR MATERIAL 1.4mm AND THICKER.
- 8.1.3. USE METALLIC COATINGS CONFORMING TO ASTM-A653/A653M AND THE FOLLOWING:
 - 8.1.3.1. PROVIDE COATINGS OF Z180 GALVANIZING IN ACCORDANCE WITH ASTM-A653/A653M FOR EXTERIOR BUILDING ENVELOPE.
 - 8.1.3.2. MINIMUM Z275 GALVANIZING COATING FOR STEEL STUD/BUCK VENEER ASSEMBLIES.
 - 8.1.4. BOLTS, NUTS AND WASHERS - ASTM A307 OR ASTM F3125, HOT-DIP GALVANIZED WHERE EXPOSED TO CORROSION POTENTIAL.
 - 8.1.5. SHEET METAL SCREWS AND CONCRETE ANCHORS - MINIMUM 0.008mm COATING OF ZINC.
 - 8.1.6. USE ZINC RICH PAINT CONFORMING TO CAN/CSA-S136-181 FOR TOUCHING UP WELDS AND DAMAGED METALLIC COATING.
 - 8.1.7. MINIMUM PLATE DESIGN THICKNESSES, EXCLUSIVE OF COATING:
 - MEMBER DEPTH 152mm OR LESS - 0.87mm
 - MEMBER DEPTH 203mm - 1.148mm
 - MEMBER DEPTH 254mm - 1.43mm
 - MEMBER DEPTH 305mm OR MORE - 1.818mm
 - BRIDGING CHANNELS - 1.087mm FOR STUDS, 1.367mm FOR JOISTS
 - UP LIP ANGLES - 1.387mm FOR STUDS, 1.720mm FOR JOISTS
 - TRACK, CLIP ANGLES AND THE LIKE ARE TO BE AT LEAST THE SAME THICKNESS AS THE STUD OR JOIST.
- 8.2. DESIGN AND EXECUTION
- 8.2.1. DESIGN ALL FRAMING, INCLUDING CONNECTIONS, BRIDGING, TRACKS, CLOSURE CHANNELS, WEB STIFFENERS, WEB CUT-OUTS, SHEATHING, CROSS BRACING, AND THE LIKE FOR THE LOADINGS AND FORCES SHOWN OR IMPLIED ON THE DRAWINGS. THE DESIGN AND REVIEW SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.
- 8.2.2. DESIGN WIND-BEARING EXTERIOR STUDS TO RESIST THE SPECIFIED WIND LOAD BUT NOT LESS THAN 1.0 kPa. DESIGN LOAD-BEARING EXTERIOR STUDS TO RESIST THE SPECIFIED WIND LOAD BUT NOT LESS THAN 1.25 kPa.
- 8.2.3. DESIGN EXTERIOR STUDS SUCH THAT THE DEFLECTION UNDER SL'S WIND LOAD DOES NOT EXCEED 1/360 OF THE SPAN OF THE STUD.
- 8.2.4. FINITE STUDS IN SUCH A WAY THAT THERE IS AT LEAST 300mm FROM THE END OF THE MEMBER TO THE CENTRE OF THE FIRST PERFORATION.
- 8.2.5. PROVIDE HORIZONTAL BRACING SPACED AT NOT MORE THAN 1200mm FOR STUDS.
- 8.2.6. DESIGN PERMANENT WIND-BEARING EXTERIOR STUDS TO RESIST THE SPECIFIED WIND LOADS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO, FOR REVIEW BY THE CONSULTANT.
- 8.2.7. SUBMIT SHOP AND ERECTION DRAWINGS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO, FOR REVIEW BY THE CONSULTANT.
- 8.2.8. AT THE REQUEST OF THE CONSULTANT SUBMIT CALCULATIONS BEARING THE SIGNATURE AND SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.
- 8.2.9. NO STEEL SHALL BE CUT WITHOUT THE PERMISSION OF THE APPROVED DESIGN PROFESSIONAL.
- 8.2.10. PROVIDE CUTTING INFORMATION IN WEBS OF MEMBERS TO ACCOMMODATE SERVICES WHERE REQUIRED FOR MECHANICAL AND ELECTRICAL. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SERVICES.
- 8.2.11. PROVIDE FRAMING AROUND ALL OPENINGS GREATER THAN 100mm. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
9. 060000 WOOD
- 9.1. MATERIALS
- 9.1.1. SAWN LUMBER
 - 9.1.1.1. CONFORM TO THE REQUIREMENTS OF CSA-O141
 - 9.1.1.2. SPECIES - SPRUCE-PINE-FIR
 - 9.1.1.3. GRADE - No.1/No.2
 - 9.1.1.4. ALL WOOD EXPOSED TO WEATHER AND EARTH TO BE PRESURE TREATED IN ACCORDANCE WITH CSA O80.
- 9.1.2. PLYWOOD SHEATHING
 - 9.1.2.1. CONFORM TO THE REQUIREMENTS OF CSA O121 AND CSA O151
 - 9.1.2.2. FLOOR AND ROOF SHEATHING TO BE TONGUE AND GROOVE.
- 9.1.3. WOOD JOISTS
 - 9.1.3.1. JOISTS MUST MEET OR EXCEED THE DESIGN REQUIREMENTS SHOWN ON THE STRUCTURAL DRAWINGS AND BE IN CONFORMANCE WITH CSA O80.
 - 9.1.3.2. CONFORM WITH CSA O80 AND O325
- 9.1.4. LAMINATED VENEER LUMBER (LVL)
 - 9.1.4.1. MUST MEET OR EXCEED THE DESIGN REQUIREMENTS SHOWN ON THE STRUCTURAL DRAWINGS, BE IN CONFORMANCE WITH CSA C08
- 9.1.4.2. BENDING MEMBERS PROPERTIES - $E = 2.0 \times 10^6$ psi, $F_b = 4,805$ psi
- 9.1.5. LAMINATED STRAND LUMBER (LSL)
 - 9.1.5.1. MUST MEET OR EXCEED THE DESIGN REQUIREMENTS SHOWN ON THE STRUCTURAL DRAWINGS, BE IN CONFORMANCE WITH CSA C08
- 9.1.4.2. BENDING MEMBERS PROPERTIES - $E = 1.3 \times 10^6$ psi, $F_b = 3,140$ psi OR $E = 1.55 \times 10^6$ psi, $F_b = 4,295$ psi
- 9.1.4.3. COMPRESSION MEMBERS PROPERTIES - $E = 1.3 \times 10^6$ psi, $F_c = 3,140$ psi, $F_{cl} = 2,235$ psi
- 9.2. CONNECTIONS
- 9.2.1. ALL WOOD TO WOOD CONNECTIONS OR WOOD TO STEEL CONNECTIONS, UNLESS OTHERWISE NOTED, ARE TO BE THE APPROPRIATE FACE OR TOP MOUNT HANGERS, SIZED FOR THE CONNECTION FORCE AND MEMBER CONFIGURATION INDICATED.
- 9.2.1.1. NAILS ARE TO BE COMMON STEEL WIRE NAILS CONFORMING TO THE REQUIREMENTS OF ASTM F1667 OR CSA B111. NAILS SHALL HAVE A MINIMUM DIAMETER (CORRESPONDING TO NAIL LENGTH) AS FOLLOWS: 2.87mm (FOR 57mm/2-1/4" LONG NAILS); 3.25mm (54mm/2-1/2" LONG); 3.66mm (78mm/3" LONG) AND 8.2mm/3-1/4" (LONG); 4.88mm (102mm/4" LONG).
- 9.2.1.2. SUBSTITUTION OF THE ABOVE-SPECIFIED NAIL DIAMETERS IS SUBJECT TO APPROVAL BY THE ENGINEER. FOR PART 9 PLACING AND NAIL SUBSTITUTION MAY BE PERFORMED IN ACCORDANCE WITH CAN. C-23.3.1.1 (2) IN THE APPENDIX OF NBC 2002.
- 9.2.1.3. WOOD SCREWS ARE TO CONFORM TO THE REQUIREMENTS OF ASTM B18.6-1. REFER TO CSA O80 FOR DIAMETER AND MINIMUM YIELD STRENGTH REQUIREMENTS.
- 9.2.1.4. ALL NAILS AND SCREWS USED IN AN EXTERIOR APPLICATION OR USED WITH PRESERVATIVE TREATED WOOD SHALL BE APPROPRIATELY COATED WITH A PROTECTIVE COATING COMPATIBLE WITH THE WOOD PRESERVATIVE TREATMENT.
- 9.2.1.5. BOLTS, NUTS AND WASHERS: ASTM A307 OR SAE J429 GRADE 2
- 9.2.1.6. LAG SCREWS ARE TO CONFORM TO THE REQUIREMENTS OF ASTM B18.2.1
- 9.2.1.7. ALL LAG BOLTS, THRU BOLTS AND OTHER HARDWARE TO BE HOT DIPPED GALVANIZED
- 9.2.1.8. ALL LAG BOLTS SHALL HAVE SHARP THREADS FOR AT LEAST ONE-HALF THE TOTAL BOLT LENGTH, UP TO 162 mm (6")
- 9.2.1.9. JOISTS, TRUSS CHORDS, LAG BOLTS WITH FULL THREADS OR INSUFFICIENT THREAD LENGTH WILL BE REJECTED OUTRIGHT, UNLESS OTHERWISE APPROVED BY THE APPROVED DESIGN PROFESSIONAL. ALL NAILS ARE TO HAVE FULL ROUND HEADS; CLIPPED HEAD NAILS ARE NOT ACCEPTABLE. NAILS ARE TO BE DRIVEN FLUSH; DO NOT OVERDRIVE NAILS.
- 9.2.1.10. DRIVEN DOWN NAILS OR DOUBLE STUDS AT THE END OF THE SHEARWALL, UNLESS NOTED OTHERWISE, SHOULD THE HOLD DOWN BE CLIPPED INWARD FROM THE WALL END DUE TO FIELD CONDITIONS. THE SHEATHING SHALL BE NAILED TO THE DOUBLE STUDS CARRYING THE HOLD DOWN WITH EDGE NAIL SPACING.
- 9.2. EXECUTION
- 9.2.1. PROTECT ALL WOOD PRODUCTS FROM DAMAGE AND STAINING DUE TO WETTING AND MOISTURE.
- 9.2.2. BEFORE INSTALLING DECORATIVE SHEATHING FROM EXCESSIVE MOISTURE UNTIL FINAL WATERPROOFING IS COMPLETE. ENSURE SURFACES THAT ARE TO RECEIVE FINISHES MEET MANUFACTURERS REQUIREMENTS FOR MAXIMUM MOISTURE CONTENT FOR THE FINISH SPECIFIED.
- 9.2.3. PRESERVATIVE TREATED WOOD SHALL BE TREATED TO A MINIMUM DIMENSION OF 2" (51.8mm) BY 1" (25.4mm) PRESERVATIVE TREATED FOR EXTERIOR APPLICATIONS SHALL NOT BE INCISED. IF INCISED LUMBER IS TO BE USED, CONFORM MEMBER SIZES WITH THE ENGINEER PRIOR TO CONSTRUCTION.
- 9.2.4. JOISTS, TRUSS CHORDS, BUILT-UP BEAMS COMPRISED OF 2-BY - 12" LUMBER MUST BEAR FULLY 38mm MINIMUM ON THE SUPPORT SURFACE. IF HANGERS ARE USED, THEY MUST ADEQUATELY SUPPORT THE FULL SHEAR CAPACITY OF THE MEMBER, UNLESS NOTED OTHERWISE.
- 9.2.5. PROVIDE APPROPRIATE FACE OR TOP MOUNT CONNECTORS AT ALL JOIST TO JOIST, JOIST TO BEAM, AND BEAM TO POST CONNECTIONS UNLESS OTHERWISE NOTED.
- 9.2.6. NAIL ALL OTHER FRAMING IN ACCORDANCE WITH OBC CLAUSE 9.2.3.3 AND OBC TABLE 9.2.3.4.
- 9.2.7. THE NUMBER OF NAILS SPECIFIED IN TABLE 9.2.3.4 SHALL BE INCREASED BY 50% WHEN THE DIAMETER OF THE SUPPLIED NAILS DO NOT CONFORM TO THE DIAMETERS INDICATED ABOVE.
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[illegible][illegible]

PROFESSIONAL SEAL

- GENERAL NOTES:
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1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK
 3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION (AHJ).
2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE CONDITIONS, VERTUITY ASSUMPTIONS, MAKE ANY FINAL DESIGN SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS UPON UPDATE. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APP-040. THE QUALIFIED DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR THE QUALIFIED REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

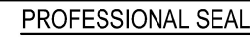
GENERAL NOTES AND TYPICAL DETAILS

PROJECT NO:

SCALE: N.T.S

SHEET NO:

S-001



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- CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL, IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

GENERAL NOTES AND TYPICAL DETAILS

PROJECT NO:

SCALE: N.T.S.

SHEET NO:

S-002

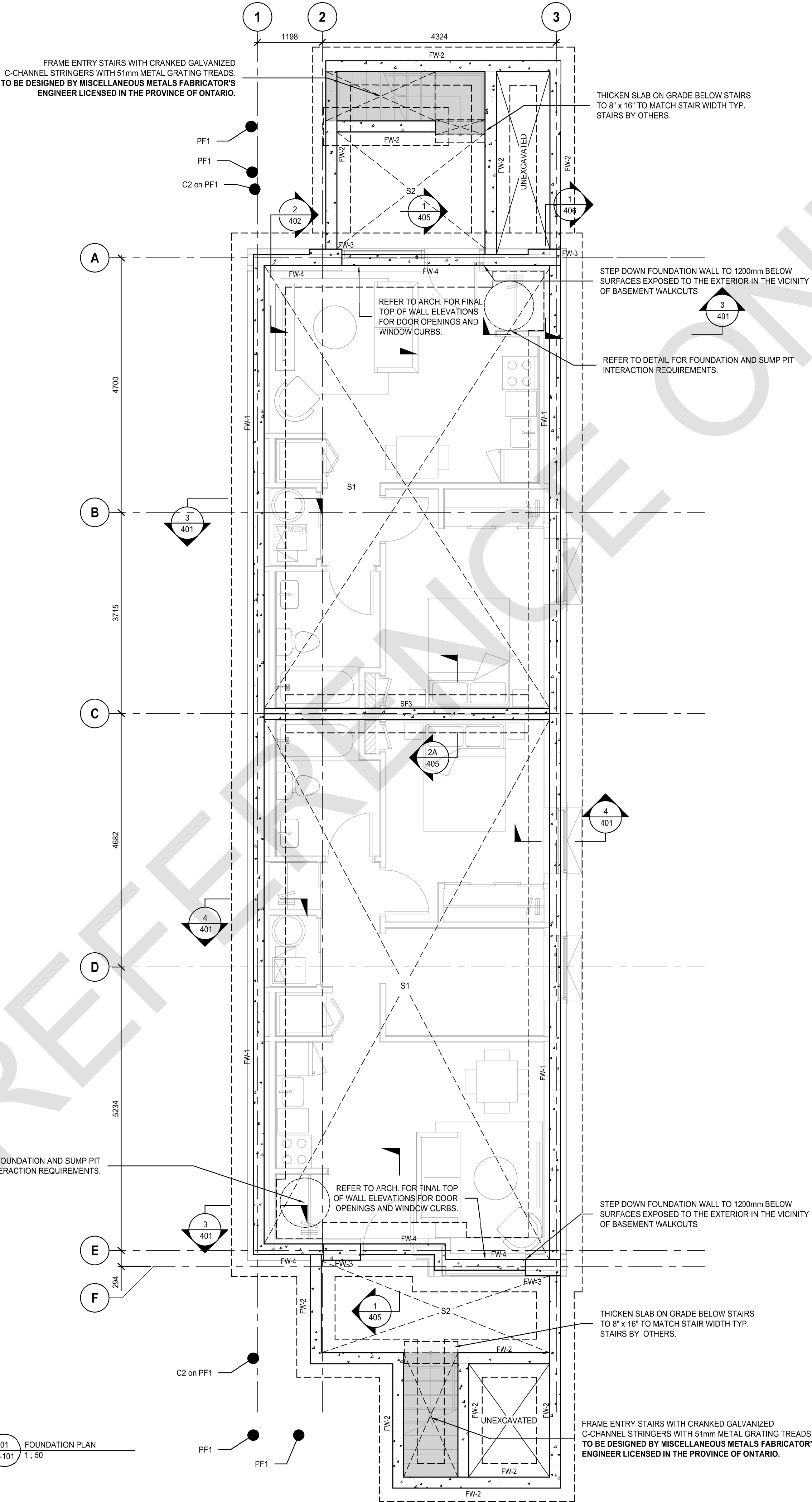
ANCHOR RODS AND BASEPLATES FOR GRAVITY COLUMNS NOTES: - THE BASE PLATE DIMENSION GIVEN FIRST IS PARALLEL TO THE COLUMN WEB, OR TO THE LONG DIMENSION OF THE COLUMN IF THE COLUMN IS SQUARE OR ROUND. THE DIMENSION GIVEN SECOND IS PARALLEL TO THE NORTH-SOUTH AXIS. - TYPICAL MINIMUM EDGE DISTANCE = $\frac{1}{4}$" FROM CENTRE OF HOLE TO EDGE OF THE PLATE TO BE 1-2x HOLE DIAMETER AT SHEARED EDGES. - CONNECT COIL TO THE BASE PLATE FOR BASE REINFORCEMENT IN THE COLUMN SCHEDULE. IF NONE SPECIFIED, FIT COLUMN TO BEAR AND WELD FOR A SHEAR FORCE EQUAL TO 2% OF THE FACTORED AXIAL LOAD. - REFER TO TABLE BELOW FOR MAXIMUM ANCHOR ROD HOLE SIZES AND MINIMUM PLATE WASHER SIZES. REFER TO PROJECT SPECIFIC DETAILS FOR WELD WASHERS AT BRACE OR FRAME LOCATIONS. - CIRCULAR (DIAGONAL) OR SQUARE (SIDE) WASHERS MEETING THE MIN. WASHER SIZE ARE ACCEPTABLE. - DO NOT WELD WASHERS TO THE BASE PLATE UNLESS NOTED OTHERWISE. - FOR 2" DIAMETER ANCHOR RODS, 2" DIA HOLE HOLES MAY BE USED WITH ASTM F944 WASHERS IN PLACE OF FABRICATED PLATE WASHERS. <table border="1"> <thead> <tr> <th>ANCHOR ROD DIAMETER (in.)</th> <th>MAX HOLE DIAMETER</th> <th>MIN. WASHER SIZE</th> <th>MIN. WASHER THICKNESS (1554 Gr. 36)</th> <th>MIN. WASHER THICKNESS (1554 Gr. 55)</th> </tr> </thead> <tbody> <tr> <td>2"</td> <td>33</td> <td>51</td> <td>5.4</td> <td>7.9</td> </tr> <tr> <td>2½"</td> <td>40</td> <td>64</td> <td>7.9</td> <td>7.9</td> </tr> <tr> <td>3"</td> <td>48</td> <td>76</td> <td>9.5</td> <td>9.5</td> </tr> <tr> <td>3½"</td> <td>52</td> <td>89</td> <td>13</td> <td>13</td> </tr> <tr> <td>4"</td> <td>59</td> <td>102</td> <td>13</td> <td>16</td> </tr> <tr> <td>4½"</td> <td>70</td> <td>114</td> <td>16</td> <td>16</td> </tr> <tr> <td>5"</td> <td>83</td> <td>127</td> <td>19</td> <td>19</td> </tr> <tr> <td>5½"</td> <td>95</td> <td>140</td> <td>19</td> <td>22</td> </tr> </tbody> </table> REFER TO NOTE 2	ANCHOR ROD DIAMETER (in.)	MAX HOLE DIAMETER	MIN. WASHER SIZE	MIN. WASHER THICKNESS (1554 Gr. 36)	MIN. WASHER THICKNESS (1554 Gr. 55)	2"	33	51	5.4	7.9	2½"	40	64	7.9	7.9	3"	48	76	9.5	9.5	3½"	52	89	13	13	4"	59	102	13	16	4½"	70	114	16	16	5"	83	127	19	19	5½"	95	140	19	22	COLD-FORMED STEEL - BEAM SUPPORTING JOISTS NOTE: SEE PLANS AND/OR SECTIONS FOR SIZES OF JOISTS AND BEAMS	COLD-FORMED STEEL - FRAMING AT WALLS NOTE: SCREW BOTH FLANGES OF WALL TRACKS TO STUDS	COLD-FORMED STEEL - BUILT-UP BEAMS
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WOOD FRAMING (1 OF 2) NOTES: - SEE PLANS FOR JOIST SIZE, SPACING, SPECIES AND LUMBER GRADE. SPACING NOT TO EXCEED 16" [406]. - UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE BRIDGING AS PER THE DETAIL BELOW AND THE SPACING REQUIREMENTS OF NOTE 4. - WHERE SPECIFIED ON THE DRAWINGS, PROVIDE STRAPPING AS PER THE DETAIL BELOW AND THE SPACING REQUIREMENTS OF NOTE 4. - LINES OF BRIDGING AND/OR STRAPPING ARE TO BE LOCATED NOT MORE THAN 7'-0" FROM A SUPPORT AND SPACED AT NOT GREATER THAN 7'-0". - UNLESS NOTED OTHERWISE, JOISTS ARE NOT TO BE NOTCHED. - WHERE HOLES ARE REQUIRED IN UNIFORMLY LOADED JOISTS FOR WIRING OR PLUMBING, THEIR DIAMETER SHALL NOT EXCEED ONE QUARTER OF THE JOIST DEPTH. CENTRE HOLES AT THE MID-DEPTH OF THE JOISTS, WITHIN THE MIDDLE TWO-THIRDS OF THE SPAN. HOLES SHALL BE SPACED NO CLOSER THAN A CLEAR DISTANCE OF ONE FULL JOIST DEPTH FROM ONE ANOTHER AS PER THE DETAIL BELOW. - HOLES NOT CONFORMING TO THE REQUIREMENTS OF NOTE 6 MUST BE APPROVED BY THE CONSULTANT.	WOOD FRAMING (2 OF 2) NOTES: - EDGES OF FLOOR AND ROOF SHEATHING TO BE TONGUE AND GROOVE. - USE 2" NAILS OR 1½" SCREWS FOR SHEATHING LESS THAN ¾" THICK. - USE 2" NAILS OR 2" SCREWS FOR ¾" TO 1" SHEATHING. - MINIMUM THICKNESS OF SUB-FLOOR SHALL BE ¾" FOR JOIST SPACING UP TO 1'-6" [508] AND 2" FOR JOIST SPACING OF 2'-0" [609].	WOOD FRAMING - BUILT-UP BEAMS FASTENING OF BEAMS NOTE: SEE ABOVE FOR SPACING OF ANCHORS SUPPORT OF JOISTS NOTES: - THE PILES OF 4-PLY AND 5-PLY BEAMS ARE TO BE FASTENED USING BOLTS ONLY. 2-PLY AND 3-PLY BEAMS MAY BE NAILED OR BOLTED. 4-PLY AND 5-PLY BEAMS ARE TO BE TOP LOADED WHENEVER POSSIBLE. THEY MAY BE SIDE LOADED PROVIDED THEY ARE LOADED EQUALLY FROM BOTH SIDES.	WOOD FRAMING - SUPPORTING LEDGERS NOTES: - SUITABLE FOR RESIDENTIAL FLOORS WITH LL=40 PSF (1.9kPa), DL=30 PSF (1.44kPa), MAXIMUM SPAN 16'-0" (4.88m). - LEDGER MATERIAL TO BE 2x6 @ 4Mpa (lc.). - EMBEDMENT DEPTH OF ANCHOR INSTALL AS PER MANUFACTURER'S SPECIFICATIONS. - PANEL ANCHORS TO BE INSTALLED IN CENTER OF FACE OF BRICK MASONRY UNITS. - CMU ANCHORS TO BE INSTALLED IN FACE OF BLOCK MASONRY UNITS. - REFER TO PLANS FOR SHEATHING AND JOIST SPECIFICATIONS. - PROVIDE SILL GASKET FOR BELOW GRADE APPLICATIONS. - ADDITIONAL ANCHORS (IF REQUIRED) NOTED ON PLAN FOR TRANSFER OF DIAPHRAGM FORCES.																																													
STUD WALL - FLOOR FRAMING FLOOR FRAMING DETAILS AT WOOD STUD WALLS DETAIL AT FOUNDATION WALL PERPENDICULAR TO JOISTS NOTE: NAILING ETC. SIMILAR TO WOOD STUD WALLS	STUD WALL - DETAILS WALL ON WOOD FRAMING INTERIOR WALL ON CONCRETE OR MASONRY EXTERIOR WALL ON CONCRETE OR MASONRY Holes in Studs for Wiring or Plumbing - MAXIMUM HOLE DIAMETER (Ø) LIMITED TO ¼ d. - HOLES SHALL BE CENTRED ON THE WIDE FACE OF THE STUD AND DRILLED PERPENDICULAR TO THE STUD. - WHERE HOLES ARE TO BE LOCATED NEAR (WITHIN A DISTANCE D) OF A CHECK OR A KNOT, LOOSE, OR 2x(Ø), PROVIDE A DOUBLE STUD WHERE HOLES ARE REQUIRED THAT DEViate FROM THE ABOVE LIMITS. CONTACT THE CONSULTANT FOR FURTHER RESTRICTION. NOTES: - SEE PLANS FOR STUD SIZE, SPECIES, LUMBER GRADE AND SPACING. SPACING NOT TO EXCEED 2'-0". - ALL STUDS TO BE CONTINUOUS FOR FULL STORY HEIGHT EXCEPT AT OPENINGS. - WIDE FACE OF STUD IS TO BE ORIENTED PERPENDICULAR TO THE WALL FACE. - NOTES SHOWN FOR THE EXTERIOR WALL CONDITION APPLY TO THE INTERIOR WALL ALSO.	BUILT-UP WOOD COLUMN/STUD WOOD SHEATHED WALLS INTERIOR PARTITIONS BUILT-UP WOOD COLUMNS/STUDS IN WALL FREE STANDING BUILT-UP WOOD COLUMN NOTES: - NO SPLICES SHALL BE MADE IN ANY BUILT-UP WOOD COLUMNS. - DETAILS ABOVE ONLY APPLY TO 3PFC COLUMNS. - ALL NAILS TO BE COMMON WIRE NAILS.	WOOD FRAMED SHEAR WALLS SHEATHING INSTALLED VERTICALLY SHEATHING INSTALLED HORIZONTALLY NOTES: - ALL PANEL EDGES ARE TO BE BACKED WITH MINIMUM ½" [13] WIDE FRAMING MEMBERS. - SHEATHING IS TO BE PLYWOOD, OSB, OR WAFFERBOARD. CONFORM TO CSA O121 FOR DOUGLAS FIR PLYWOOD, OR CSA O131 FOR CANADIAN SOFTWOOD PLYWOOD. CONFORM TO CSA O321 OR CSA O327 FOR OSB AND WAFFERBOARD. PANELS ARE TO BE 1000x2400 [4881] OR LARGER EXCEPT WHERE SMALLER SHEETS ARE NEEDED NEAR BOUNDARIES. - UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL SHEAR WALLS ARE TO BE SHEATHED WITH MINIMUM 11mm [7/8"] THICK SHEATHING ON ONE SIDE, NAILED IN ACCORDANCE WITH THE PATTERNS SHOWN ABOVE. - NAIL LENGTHS ARE TO CONFORM TO THE FOLLOWING: <table border="1"> <thead> <tr> <th>SHEATHING THICKNESS</th> <th>NAIL LENGTH</th> <th>NAIL DIA. (N/A)</th> </tr> </thead> <tbody> <tr> <td>11mm [7/8"]</td> <td>2½"</td> <td>3.25mm [Ø 128]</td> </tr> <tr> <td>12.5mm [½"] OR GREATER</td> <td>3"</td> <td>3.66mm [Ø 144]</td> </tr> </tbody> </table> NOTE: REDUCE NAIL SPACING BY ½" IF USING 1.65mm (Ø .127") DIAMETER, POWERDRIVEN NAILS, i.e. REDUCE SPACING TO 100mm (Ø 4") AROUND PANEL EDGES. - CLIPPED END NAILS ARE NOT PERMITTED. NAILS MUST HAVE CONCENTRIC PULL HEADS. - NAIL HEADS ARE TO BE PROVEN FLUSH WITH FACE OF SHEATHING. DO NOT OVER DRIVE NAILS MORE THAN 15% OF THE THICKNESS OF THE SHEATHING. - INTERMEDIATE NAILS ARE TO BE AT 12" [305] (AS SHOWN). - NAILS ARE TO BE SPACED NO CLOSER THAN 9mm TO PANEL EDGES. - WHERE PANELIZED WALLS WITH PRE-INSTALLED SHEATHING ARE USED, AND WHERE THE SHEATHING DOES NOT OVERLAP AND IS NOT NAILED TO ADJACENT PANELS, PROVIDE EQUIVALENT NAIL SIZE AND SPACING BETWEEN STUDS OF ADJACENT PANELS AS IS USED AROUND PANEL PERIMETER TO ENSURE CONTINUITY OF SHEARWALL.	SHEATHING THICKNESS	NAIL LENGTH	NAIL DIA. (N/A)	11mm [7/8"]	2½"	3.25mm [Ø 128]	12.5mm [½"] OR GREATER	3"	3.66mm [Ø 144]																																				
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6 PLEX NARROW FOUNDATIONS AND SLABS SCHEDULE			
LABEL	ELEMENT	COMMENTS	
FW-1	200 25 MPa CONCRETE FOUNDATION WALLS (w/ 15M @500 HV) INSIDE FACE. SUPPORT ON 800 x 200 (w/ (3) 15M CONT. & 15M TRANS. @90°). PROVIDE 15M HOOKED DOWELS @1200	TW @ -44 BELOW GROUND FFE. SIDE FOUNDATION WALLS SUPPORTING CFS FRAMING	MIN BEARING PRESSURE PER OBC 9.15.1.1. OR REVISE TO SUIT GEOTECHNICAL INVESTIGATION
FW-2	200 25 MPa CONCRETE RETAINING WALLS AT BASEMENT WALKOUT. (w/ 15M @800 HV) INSIDE FACE. SUPPORT ON 500 x 200 STRIP FOOTINGS (w/ (2) 15M CONT. PROVIDE 15M HOOKED DOWELS @1200). NOTE FW-2 WALLS SPAN HORIZONTALLY. HORIZONTAL REBAR MUST BE INSTALLED INSIDE FACE OF WALL.	TYPICAL RETAINING WALL	MIN BEARING PRESSURE PER OBC 9.15.1.1. OR REVISE TO SUIT GEOTECHNICAL INVESTIGATION
FW-3	300 x 600 25 MPa CONCRETE FOUNDATION PIER (w/ (8) 20M VERT AND 15M STIRRUPS @ 300. SUPPORT ON 600 x 300 (w/ (4) 15M CONT. 15M & 15M TRANS. @90°) TIE. PROVIDE HOOKED DOWELS TO MATCH VERT PIER REIN.	FOUNDATION WALL AT MC1	MIN BEARING PRESSURE PER OBC 9.15.1.1. OR REVISE TO SUIT GEOTECHNICAL INVESTIGATION
FW-4	200 25 MPa CONCRETE FOUNDATION WALLS (w/ 15M @500 HV) INSIDE FACE. SUPPORT ON 800 x 200 (w/ (3) 15M CONT. & 15M TRANS. @90°). PROVIDE 15M HOOKED DOWELS @1200	TW @ -388 BELOW GROUND FFE. FRONT AND END REAR FOUNDATION WALLS SUPPORTING WOOD FRAMING	MIN BEARING PRESSURE PER OBC 9.15.1.1. OR REVISE TO SUIT GEOTECHNICAL INVESTIGATION
S1	100mm - 25 MPa CONCRETE SLAB ON GRADE. SAW CUT @ 2440mm oc EACH WAY	INTERIOR SLAB ON GRADE. REFER TO TD0320 & TD0321	AS SHOWN ON PLAN
S2	100mm - 12 MPa CONCRETE SLAB ON GRADE. SAW CUT @ 2440mm oc EACH WAY	EXTERIOR SLAB ON GRADE. REFER TO TD0320 & TD0321	AS SHOWN ON PLAN
PF1	305 DIA. - 32 MPa CONCRETE PER FOOTINGS (w/ (4) 15M VERT. BELL TO 800mm DIA. AT BASE. MIN. 1500mm BELOW GRADE AT EACH STAIR STRINGER BASE TYP	TYPICAL STAIR STRINGER FOOTING	MIN BEARING PRESSURE PER OBC 9.15.1.1. OR REVISE TO SUIT GEOTECHNICAL INVESTIGATION
SF3	200 x 300 CONCRETE CURB (w/ (2) 15M CONT. ON STRIP FOOTING 600 x 200 (w/ (3) 15M CONT.	INTERIOR STRIP FOOTING SUPPORTING DOUBLE STUD DEMISING WALLS	MIN BEARING PRESSURE PER OBC 9.15.1.1. OR REVISE TO SUIT GEOTECHNICAL INVESTIGATION

FOUNDATION PLAN NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR DATUM ELEVATIONS.
- CONTRACTOR TO PROVIDE ADEQUATE SHORING AS REQUIRED DURING ALL PHASES OF CONSTRUCTION.
- FOUND ALL FOOTINGS ON NATIVE UNDISTURBED SOILS WITH THE FOLLOWING BEARING CAPACITIES CONFIRMED ON SITE BY GEOTECHNICAL INVESTIGATION: 75 kPa (SLS), 115 kPa (ULS).
- FOUND ALL FOOTINGS AT 4'-0" BELOW GRADE WHERE EXPOSED TO FROST.
- 'SDP' DENOTES 'STEP DOWN FOOTING'.
- DO NOT SCALE STRUCTURAL DRAWINGS.

01 FOUNDATION PLAN
S-101 / 1:50



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QUALIFIED DESIGN PROFESSIONAL (QDP)

- ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL - EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
- THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE CONDITIONS, VERIFY ASSUMPTIONS, MAKE ANY FINAL DESIGN SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS.
- THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
- THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
- CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

PROJECT:
City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:
FOUNDATION PLAN

PROJECT NO:
SCALE: 1:50

SHEET NO:

S-101

6PLEX NARROW GROUND FLOOR MEMBER SCHEDULE (FACTORED LOADS)					
LABEL	SECTION	REACTIONS (kN, UWO)		COMMENTS	FINAL DESIGN FOR CONSTRUCTION (IFC)
		LEFT	RIGHT		
1J1	302 1JOIST @406 oc	5	5	M > 0 kNm V > 6 kN E _{flex} > 275 x 10 ³ N-mm ²	BY EWP SUPPLIER
1B1	(3) 44 x 302 LVL (FLUSH)	30	15	SUPPORT WITH FACE-MOUNT HANGERS	AS SHOWN ON PLAN
1B2	(2) 44 x 302 LVL (FLUSH)	20	10	SUPPORT WITH FACE-MOUNT HANGERS	AS SHOWN ON PLAN
1B3	(3) 44 x 302 LVL (FLUSH)	25	25	SUPPORT ON FOUNDATION WALL	AS SHOWN ON PLAN
1B4	(2) 44 x 302 LVL (FLUSH)	10	10	SUPPORT WITH POSTS AS PER PLAN	AS SHOWN ON PLAN
CS1	2000 WIDE x 250 DEEP ZIMPA CONC. LINTEL @ (2) 15M T&B 10M CLOSED STIRRUPS @ 300c EXTEND 10M REIN. MIN 600 BEYOND OPENING EA. END TYP. PROVIDE DIAGONAL BRGS AT CORNERS.				AS SHOWN ON PLAN

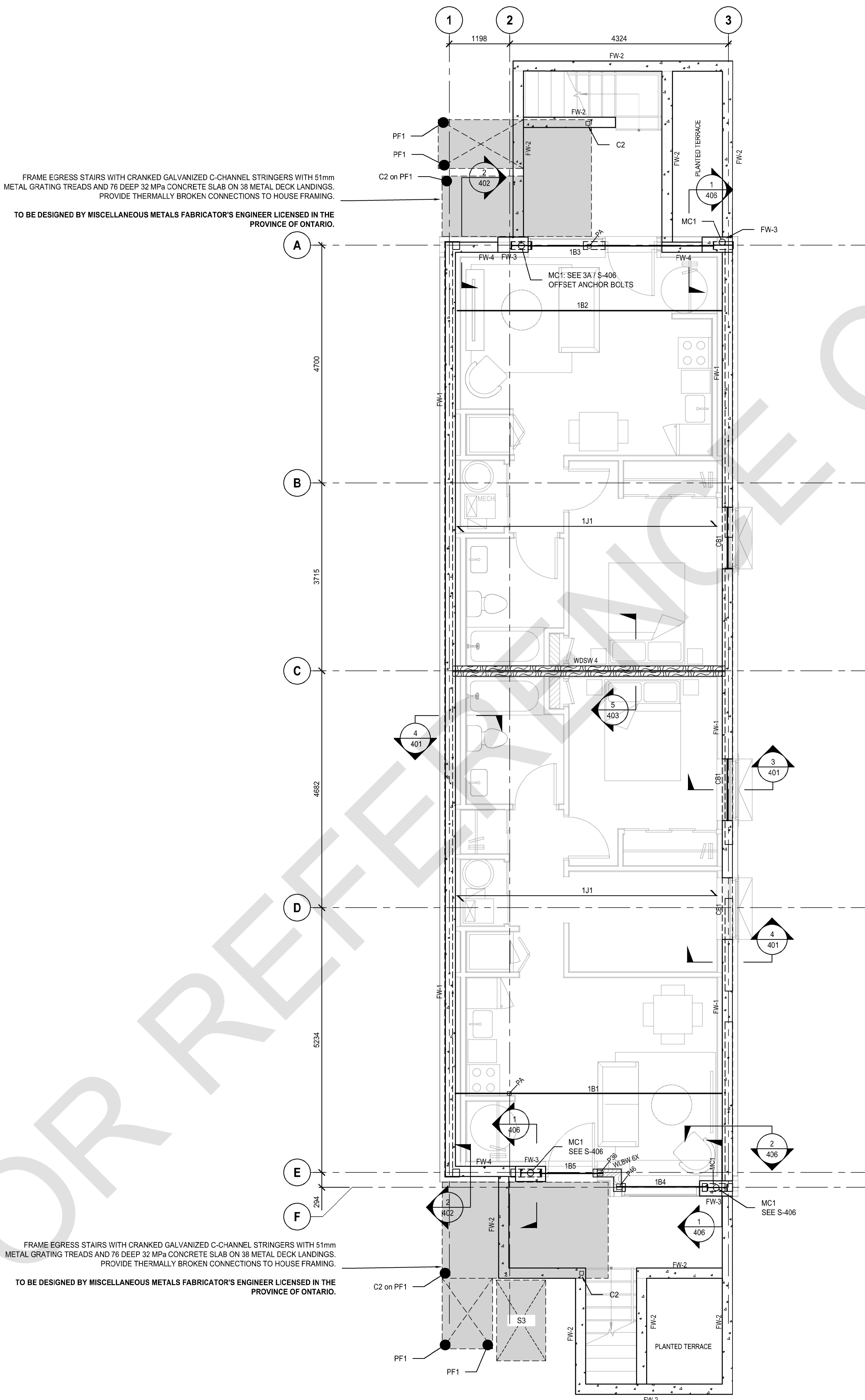
MEMBER SCHEDULE NOTES:

1. LEFT AND RIGHT ENDS OF BEAMS ARE DEFINED BY THE ORIENTATION OF THE BEAM MARK ON PLAN. PLAN DOWN = LEFT, PLAN UP = RIGHT.
2. PROVIDE APPROPRIATE HOLD DOWN STRAPS, TIES AND ANCHORS WHERE UPLIFT FORCES ARE NOTED OR AT BACK SPAN SUPPORT OF CANTILEVERED BEAMS.
3. WHERE REACTION FORCES ARE NOT SHOWN FOR WOOD BEAMS, BEAM CONNECTIONS SHALL BE DESIGNED FOR 70% OF THE SHEAR CAPACITY OF THE BEAM.

WALLS, COLUMNS, POSTS, FOUNDATIONS AND SLABS SCHEDULE			
LABEL	ELEMENT	COMMENTS	FINAL DESIGN (IFC)
MC1	W410 x 48 BEAM COLUMN MOMENT CONNECTION TO TOP OF 300 FOUNDATION WALL WITH (6) 160 HEAVY HEX 450/400 REBARS - 410/300	REFER TO S406	AS SHOWN ON PLAN & DETAILS
C2	HSS 76 x 76 x 6.4 STUB COLUMN SUPPORTING STEEL FROM REAR LANDING EDGE		STEEL TO STEEL CONNECTIONS BY MISCELLANEOUS METALS FABRICATOR
PI#4	(#) 38 x 88 SPS BUILT UP POST		AS SHOWN ON PLAN
PI#6	(#) 38 x 140 SPS BUILT UP POST		AS SHOWN ON PLAN
WLBW EX	38 x 140 SPS #340 EXTERIOR LOAD BEARING STUD WALLS WITH 16mm PLYWOOD SHEATHING SHOWN THIS TYP	TYPICAL EXTERIOR WOOD WALL	AS SHOWN ON PLAN
WSW#4	DOUBLE 38 x 88 SPS #340 STUD DIMENS WALLS WITH 25mm OGP BETWEEN	INTERIOR LOAD BEARING DIMENSING SHEAR WALLS	AS SHOWN ON PLAN
FW-1	200 25 MPa CONCRETE FOUNDATION WALLS 16m 15M (6500) 4W/ INSIDE FACE. SUPPORT ON 800 x 200 (w/ 6) 15M (400) x 15M (400) #340. PROVIDE 15M HOOKED DOWELS @ 1200.	1W @ -4:45 BELOW GROUND FDE. SEE FOUNDATION WALLS SUPPORTING C/S FRAMING	MIN BEARING PRESSURE PER OCE 9.15.11, OR REVERSE TO SUIT GEOTECHNICAL INVESTIGATION
FW-2	200 25 MPa CONCRETE RETAINING WALLS AT BASEMENT WALL TOP. 16m 15M (6500) 4W/ INSIDE FACE. SUPPORT ON 500 x 200 POST FOOTINGS (w/ 6) 15M (400) C/P. PROVIDE 15M HOOKED DOWELS @ 1200. NOTE: 16m 15M (400) x 15M (400) HORIZONTAL REBAR MUST BE INSTALLED INSIDE FACE OF WALL.	TYPICAL RETAINING WALL	MIN BEARING PRESSURE PER OCE 9.15.11, OR REVERSE TO SUIT GEOTECHNICAL INVESTIGATION
FW-3	300 x 600 25 MPa CONCRETE FOUNDATION PER 16m 15M (400) 2W VERT AND 16M (400) STRUTS @ 300. SUPPORT ON 900 x 200 (w/ 6) 15M (400) T&B & 800 x 200 (w/ 6) T&B. PROVIDE HOOKED DOWELS TO MATCH VERT REIN.	FOUNDATION WALL AT MC1	MIN BEARING PRESSURE PER OCE 9.15.11, OR REVERSE TO SUIT GEOTECHNICAL INVESTIGATION
FW-4	200 25 MPa CONCRETE FOUNDATION WALLS 16m 15M (6500) 4W/ INSIDE FACE. SUPPORT ON 800 x 200 (w/ 6) 15M (400) x 15M (400) #340. PROVIDE 15M HOOKED DOWELS @ 1200.	1W @ -388 BELOW GROUND FDE. FRONT AND END REAR WALLS SUPPORTING WOOD FRAMING	MIN BEARING PRESSURE PER OCE 9.15.11, OR REVERSE TO SUIT GEOTECHNICAL INVESTIGATION
S3	150mm - 32 MPa CONCRETE LANDING SLAB ON GRADE ON COMPACTED CLEAR CRUSHED STONE.	LANDING SLAB ON GRADE	AS SHOWN ON PLAN
PF1	305 DIA. - 32 MPa CONCRETE PER FOOTINGS (w/ 6) 15M (400) VERT. BELL TO 600mm DIA. AT BASE MIN. 1500mm BELL GRADE AT EACH STRAINER BASE TYP	TYPICAL STAR STRINGER FOOTING	MIN BEARING PRESSURE PER OCE 9.15.11, OR REVERSE TO SUIT GEOTECHNICAL INVESTIGATION

GROUND LEVEL FRAMING NOTES

1. LOADS USED IN THE DESIGN:
- LIVE: 1.9 kPa RESIDENTIAL AREAS
4.8 kPa COMMON AND EGRESS AREAS
- SNOW: 1.06 kPa
- DEAD LOAD: 0.50 kPa (PARTITIONS)
0.15 kPa (FLOORING)
0.25 kPa (STRUCTURE)
0.20 kPa (INSULATION)
0.10 kPa (FINISHES)
0.50 kPa (SUSPENDED)
1.70 kPa (FLOOR TOTAL)
- EGRESS AND BALCONIES:
0.30 kPa (STRUCTURE)
0.40 kPa (ROOFING AND FINISHES)
0.30 kPa (SUSPENDED)
1.80 kPa (CONCRETE ON METAL DECK)
2.80 kPa (TOTAL)
2. REFER TO ARCHITECTURAL DRAWINGS FOR DATUM ELEVATIONS.
3. ALL NEW FLOOR SHEATHING TO BE 3/4" T&C FASTENED DIRECTLY TO FLOOR JOISTS.
4. ALL WOOD-TO-WOOD CONNECTIONS ARE TO BE MADE WITH APPROPRIATE TOP OR FACE MOUNT HANGERS.
5. ALL TEMPORARY WORKING IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. PROVIDE SOLID BLOCKING IN JOIST SPACE (SQUASH BLOCKS) AND CONTINUE ALL BUILT UP POSTS ABOVE TO T/O FOUNDATION WALLS.
7. "PA" DENOTES POST POINT LOAD FROM ABOVE & "CA" DENOTES COLUMN POINT LOAD FROM ABOVE.
8. BUILT-UP SPF POSTS MARKED "P36", "P46", ETC. DENOTES (3) 36x140, (4) 38x140, ETC.
9. WHERE POSTS ARE NOT MARKED ON PLAN, PROVIDE MATCHING NUMBER OF BUILT UP STUDS TO SUPPORT DIMENSIONAL LUMBER BEAMS AND MATCHING NUMBER OF STUDS PLUS (1) TO SUPPORT ENGINEERED LUMBER BEAMS, TYP.
10. P-CFS NOTES BUILT-UP COLD FORMED STEEL POST BY SUPPLIER.
11. REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
12. DO NOT SCALE STRUCTURAL DRAWINGS.



GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL –
EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS
DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND
BOARDS HAVING JURISDICTION.
2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE
THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE
CONDITIONS, VERY SPECIFICALLY ADDRESSING ANY CHANGES,
SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE
COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER
REQUIREMENTS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY
FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES
APPLYING THE ARCHITECTS OR ENGINEER'S SEAL, AS REQUIRED BY
THE RELEVANT PROFESSIONAL ASSOCIATIONS AND BOARDS HAVING
JURISDICTION (AHS). QUALIFIED DESIGN PROFESSIONALS ARE
RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY
REQUIREMENTS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO
THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT
THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE
LOCAL GOVERNMENT. THE BUILDING PERMIT REVIEW AND
CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED
DESIGN PROFESSIONAL. IN ACCORDANCE WITH APPLICABLE
REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE
STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

BASEMENT FLOOR PLAN SHOWING GROUND LEVEL FRAMING

PROJECT NO:

SCALE: 1 : 50

SHEET NO:

S-102

6PLEX NARROW THIRD FLOOR MEMBER SCHEDULE (FACTORED LOADS)						
LABEL	SECTION	REACTIONS (kN, UMO)		COMMENTS	FINAL DESIGN FOR CONSTRUCTION (IFC)	
		LEFT	RIGHT			
3.11	302 1JOIST @406 oc	6	6	M _u = 8 kNm V _u = 6 kN E _u = 375 x 10 ³ N/mm ² Welded	BY EWP SUPPLIER	
3.12	38 x 238 SFF @406 oc	3	3	RECESSED ALUMINUM FRAMING LUE FACE MOUNT HANGERS AT BEAMS	AS SHOWN ON PLAN	
3B1	(2) 44 x 302 LVL (FLUSH)	25	25	SUPPORT WITH FACE-MOUNT HANGERS	AS SHOWN ON PLAN	
3B2	(2) 44 x 302 LVL (FLUSH)	25	15	SUPPORT WITH POSTS AS PER PLAN	AS SHOWN ON PLAN	
3B3	(4) 44 x 302 LVL (FLUSH)	50	35	SUPPORT WITH POSTS AS PER PLAN	AS SHOWN ON PLAN	
3B4	(2) 44 x 302 LVL (FLUSH)	10	10	SUPPORT WITH FACE-MOUNT HANGERS	AS SHOWN ON PLAN	
3B5	(2) 44 x 302 LVL (FLUSH)	25	30	SUPPORT LEFT SIDE w/ FACE-MOUNT HANGER, RIGHT SIDE w/ POST AS PER PLAN	AS SHOWN ON PLAN	
3B6	(3) 44 x 302 LVL (FLUSH)	30	30	SUPPORT LEFT SIDE w/ POST AS PER PLAN, RIGHT SIDE w/ FACE-MOUNT HANGER	AS SHOWN ON PLAN	
3B7	(2) 44 x 302 LVL (FLUSH CONTINUOUS, CANTILEVERED)	5 35 20		SUPPORT WITH POSTS AS PER PLAN	AS SHOWN ON PLAN	
3B8	(3) 44 x 302 LVL (FLUSH)	40	15	SUPPORT WITH POSTS AS PER PLAN	AS SHOWN ON PLAN	
3B9	(4) 44 x 302 LVL (FLUSH)	5	5	SUPPORT WITH POSTS AS PER PLAN	AS SHOWN ON PLAN	
3B10	(2) 605X220-46 + (2) 605X150-46 BUILT UP CFS	10	0	SUPPORT WITH POSTS AS PER PLAN	BY CFS STUD SUPPLIER	

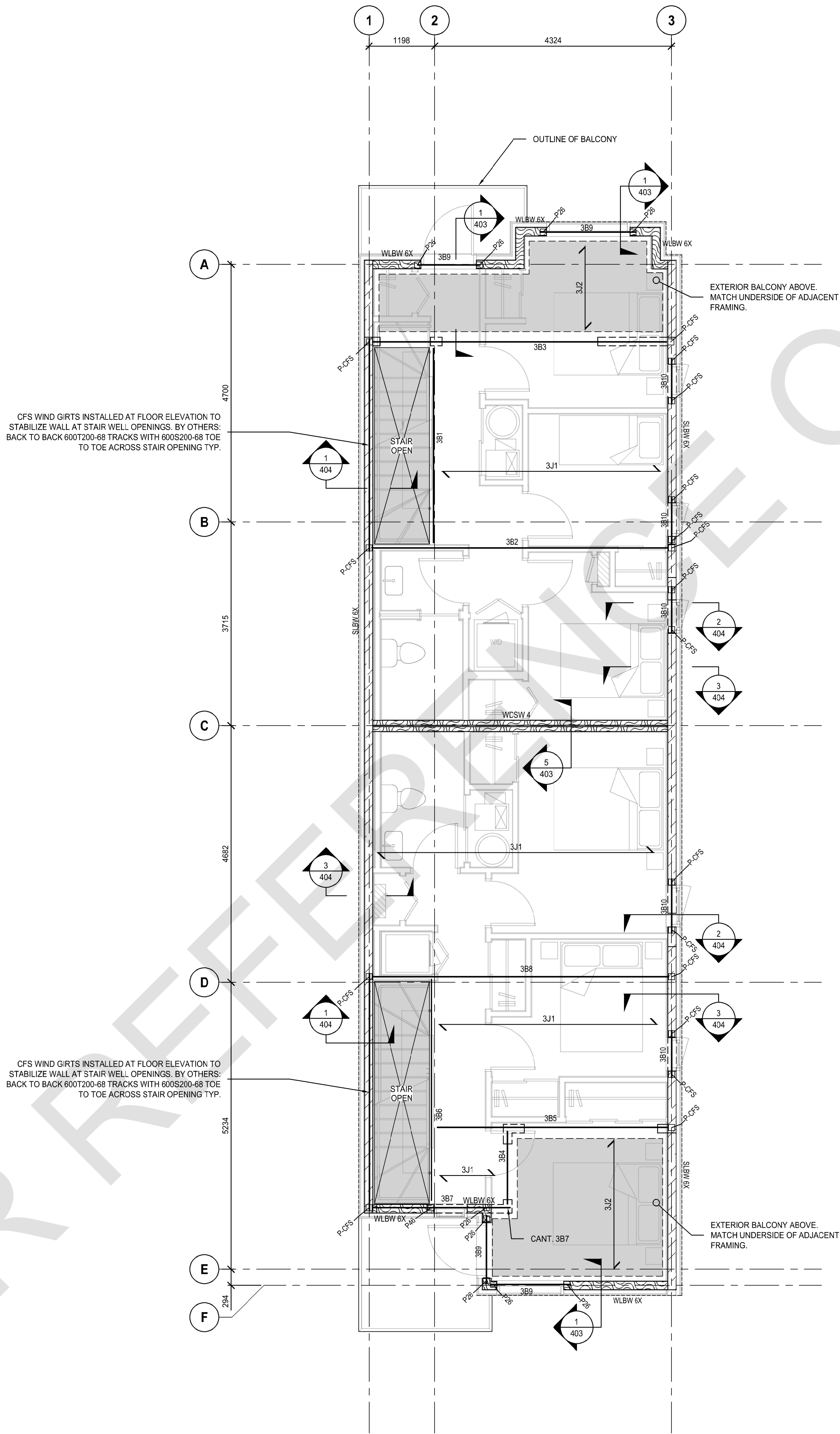
MEMBER SCHEDULE NOTES:

1. LEFT AND RIGHT ENDS OF BEAMS ARE DEFINED BY THE ORIENTATION OF THE BEAM MARK ON PLAN. PLAN DOWN = LEFT, PLAN UP = RIGHT.
2. PROVIDE APPROPRIATE HOLD DOWN STRAPS, TIES AND ANCHORS WHERE UPLIFT FORCES ARE NOTED OR AT BACK SPAN SUPPORT OF CANTILEVERED BEAMS.
3. WHERE REACTION FORCES ARE NOT SHOWN FOR WOOD BEAMS, BEAM CONNECTIONS SHALL BE DESIGNED FOR 70% OF THE SHEAR CAPACITY OF THE BEAM.

WALL, COLUMN AND POST SCHEDULE			
LABEL	ELEMENT	COMMENTS	FINAL DESIGN (IFC)
WLBW E	38 x 140 SPF @406 EXTERIOR LOAD BEARING STUD WALLS WITH 16mm PLYWOOD SHEATHING SHOWN THIS WAY	TYPICAL EXTERIOR WOOD WALL	AS SHOWN ON PLAN
SLBW E	6005-162-38 CFS STUDS @406 x 600T105-68 T&B TRACKS WITH 16mm NOA-COMBUSTIBLE SHEATHING BY CFS SUPPLIER	TYPICAL EXTERIOR CFS WALL	BY CFS STUD SUPPLIER
WDSP4 E	DOUBLE 38 x 29F SPF @406 STUD DEMISING WALLS WITH 25mm GAF BETWEEN C-ADJ ONE SIDE OF ONE WALL WITH 12.7mm PLYWOOD SHEATHING FOR EXTERIOR SHOWN.	INTERIOR LOAD BEARING DEMISING SHEAR WALLS	AS SHOWN ON PLAN
PiH4	(W) 38 x 88 SPF BUILT UP POST		AS SHOWN ON PLAN
PiH3	(W) 38 x 140 SPF BUILT UP POST		AS SHOWN ON PLAN
P-CFS	BUILT-UP CFS STUDS TO MATCH WALL WIDTH		BY CFS STUD SUPPLIER

THIRD LEVEL FRAMING NOTES

1. LOADS USED IN THE DESIGN:
- | | | |
|-------|---------------------------------|--|
| LIVE: | 1.9 kPa RESIDENTIAL AREAS | |
| | 4.8 kPa COMMON AND EGRESS AREAS | |
| SNOW: | 1.06 kPa | |
- DEAD LOAD: 0.50 kPa (PARTITIONS)
0.15 kPa (FLOORING)
0.25 kPa (STRUCTURE)
0.20 kPa (INSULATION)
0.10 kPa (FINISHES)
0.50 kPa (SUSPENDED)
1.70 kPa (FLOOR TOTAL)
- BALCONY: 0.30 kPa (ROOFING)
0.20 kPa (STRUCTURE)
0.10 kPa (FINISHES)
0.40 kPa (SUSPENDED)
0.30 kPa (DECK FRAMING)
1.30 kPa (ROOF DECK TOTAL)
2. REFER TO ARCHITECTURAL DRAWINGS FOR DATUM ELEVATIONS.
3. ALL NEW FLOOR SHEATHING TO BE 3/4" T&G FASTENED DIRECTLY TO FLOOR JOISTS.
4. ALL WOOD-TO-WOOD CONNECTIONS ARE TO BE MADE WITH APPROPRIATE TOP OR FACE MOUNT HANGERS.
5. ALL TEMPORARY BRACING OR SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. PROVIDE SOLID BLOCKING IN JOIST SPACE (SQUASH BLOCKS) AND CONTINUE ALL BUILT UP POSTS DOWN TO T/IO FOUNDATION WALLS.
7. "PA" DENOTES POST POINT LOAD FROM ABOVE & "CA" DENOTES COLUMN POINT LOAD FROM ABOVE.
8. BUILT-UP 3"X6 POSTS MARKED "P36", "P48", ETC. DENOTES (3) 36x140, (4) 36x140, ETC.
9. WHERE POSTS ARE NOT MARKED ON PLAN, PROVIDE MATCHING NUMBER OF BUILT-UP STUDS TO SUPPORT DIMENSIONAL LUMBER BEAMS AND MATCHING NUMBER OF STUDS PLUS (1) TO SUPPORT ENGINEERED LUMBER BEAMS. TYP.
10. P-CFS NOTES BUILT-UP COLD FORMED STEEL PROFILE BY SUPPLIER.
11. REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
12. DO NOT SCALE STRUCTURAL DRAWINGS.



PROFESSIONAL SEAL

GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL AS
AN EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS
REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND
THE AUTHORITY HAVING JURISDICTION.
2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE
THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE
SPECIFIC PROJECT REQUIREMENTS, AND ANY NECESSARY
SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE
COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER
RELEVANT REGULATORY REQUIREMENTS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY
FOR THE ENTIRE SET OF DOCUMENTS UPON UPDATED. THIS INCLUDES
APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY
THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY
HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE
RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY
REQUIREMENTS AND PROFESSIONAL REQUIREMENTS APPLICABLE TO
THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT
THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE
LOCAL BUILDING DEPARTMENT.
5. THE CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED
DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE
RELEVANT REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE
STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

SECOND FLOOR PLAN SHOWING THIRD LEVEL FRAMING

PROJECT NO:

SCALE: 1 : 50

SHEET NO:

S-104

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL. – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE CONDITIONS, VERIFY ASSUMPTIONS, MAKE ANY FINAL DESIGN SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED, THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL, AS REQUIRED BY THE APPLICABLE PROFESSIONAL BOARD OF REGULATION OR AUTHORITY HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ). CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

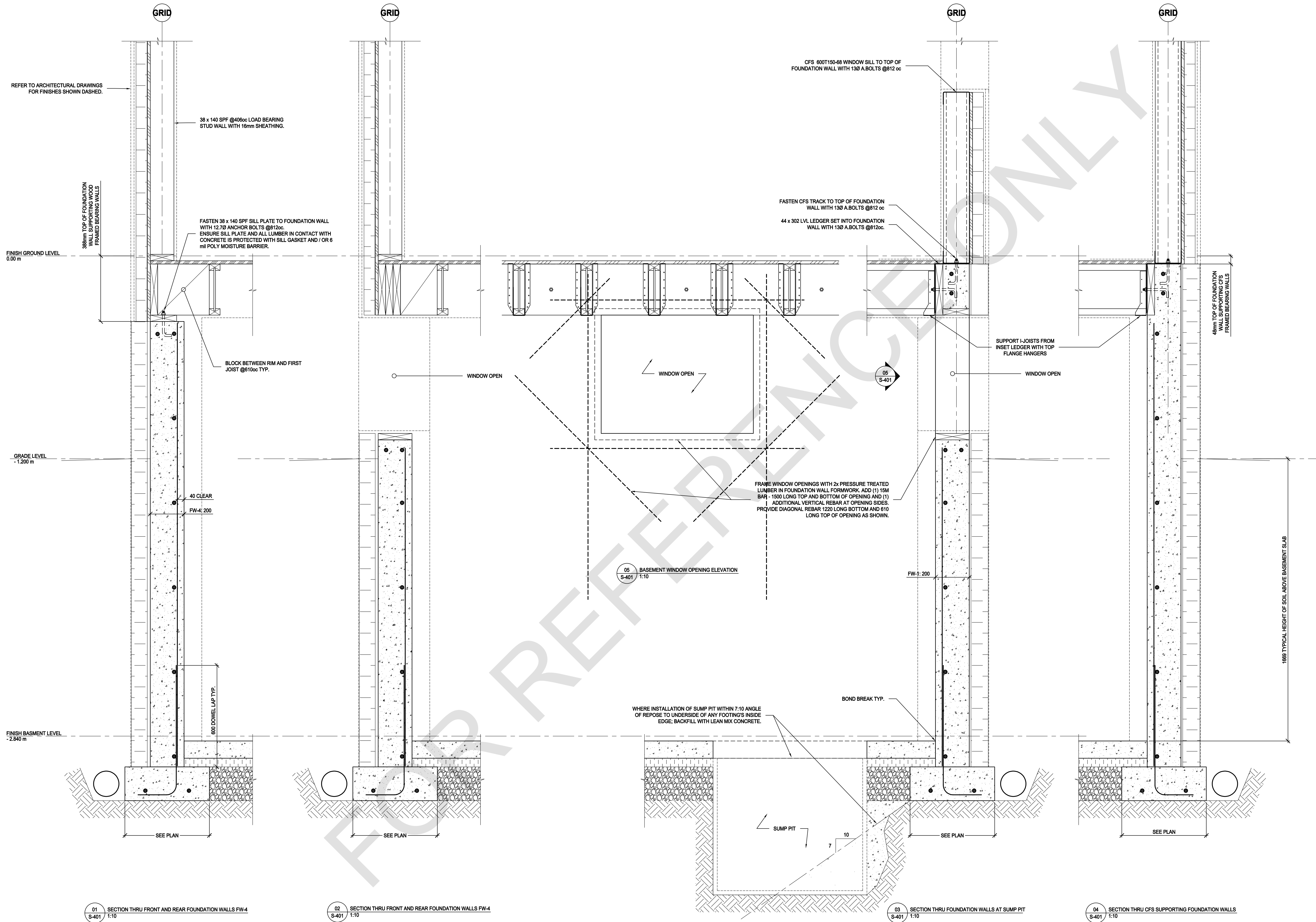
FOUNDATION DETAILS

PROJECT NO:

SCALE: 1 : 10

SHEET NO:

S-401



1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND REGULATORY REQUIREMENTS HAVING JURISDICTION (AHJ).
2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE CONDITIONS, VERIFY ASSUMPTIONS, MAKE ANY FINAL DESIGN SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS (AND UPDATED), THIS INCLUDES ANY AND ALL ARCHITECTURAL, ENGINEERING, AND SURVEYING, AS WELL AS THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
5. CONSTRUCTION REVIEW AND VERIFICATION OF THE QUALIFIED DESIGN PROFESSIONAL'S RESPONSIBILITY IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

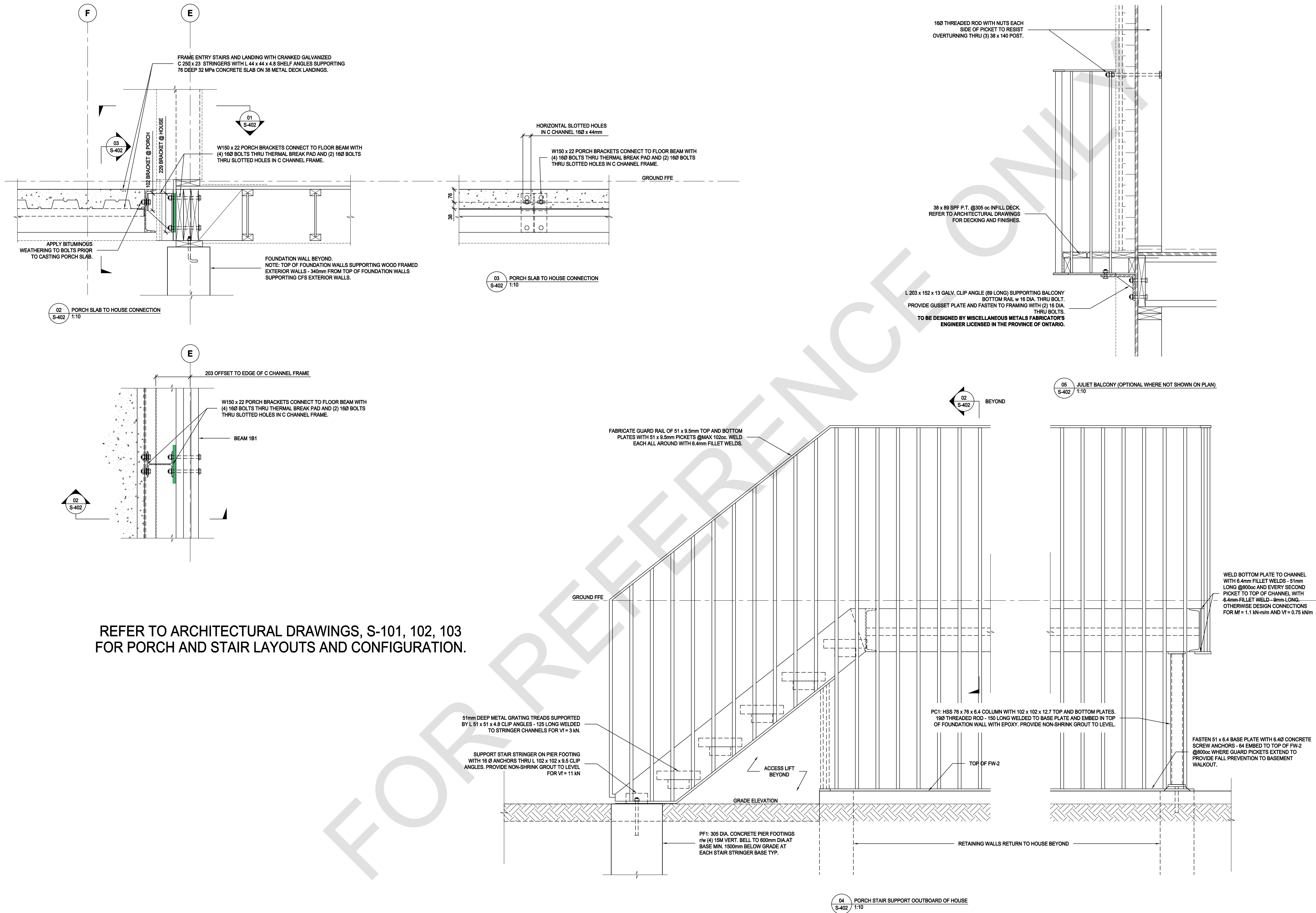
ENTRY PORCH AND EGRESS STAIR SUPPORT DETAILS

PROJECT NO:

SCALE: 1 : 10

SHEET NO:

S-402



1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE CONDITIONS, VERIFY ASSUMPTIONS, MAKE ANY FINAL DESIGN SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES APPLYING THE ARCHITECTS OR ENGINEERS SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITIES HAVING JURISDICTION (AHS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ). CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

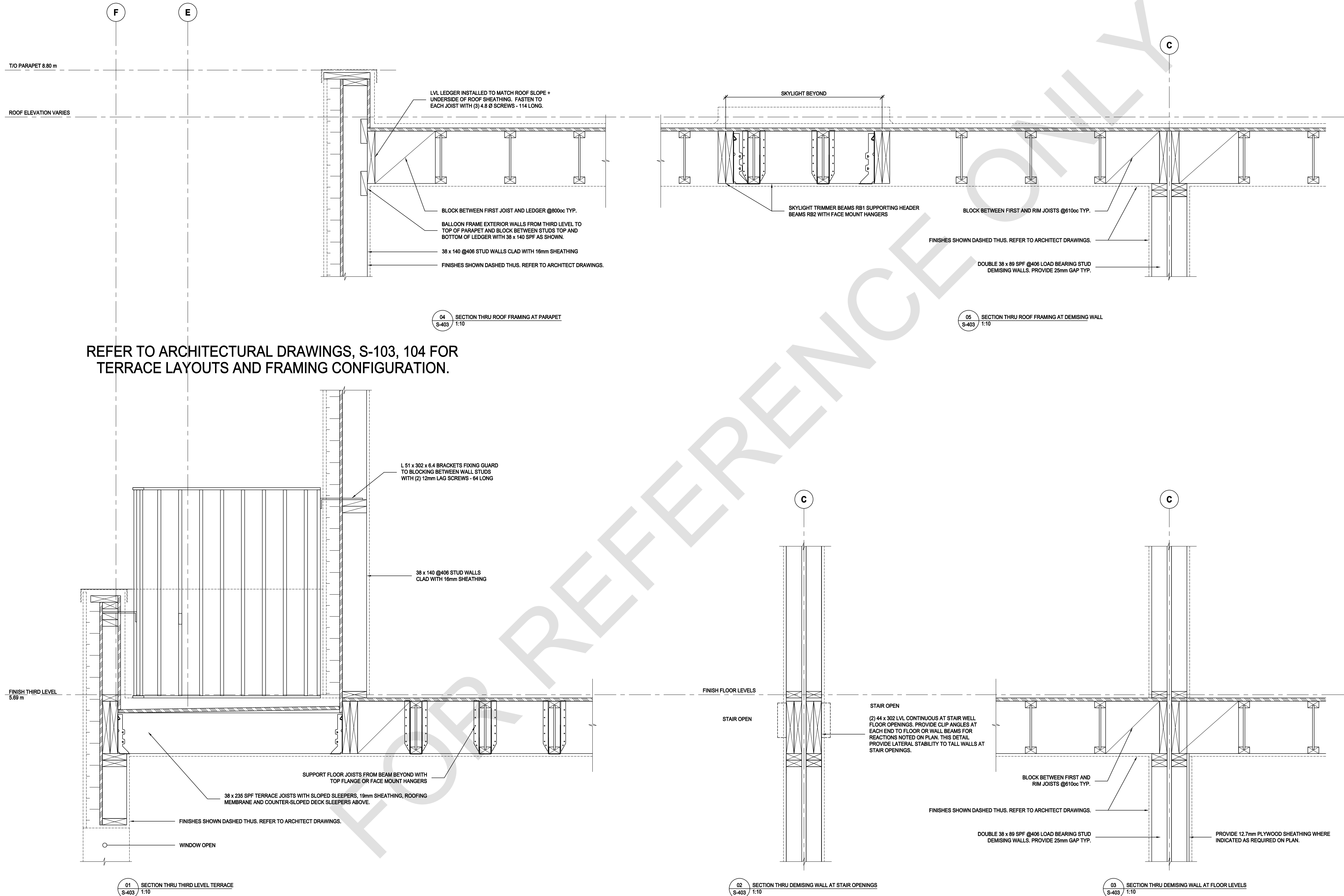
WOOD FRAMING DETAILS

PROJECT NO: 250580

SCALE: 1 : 10

SHEET NO:

S-403



[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

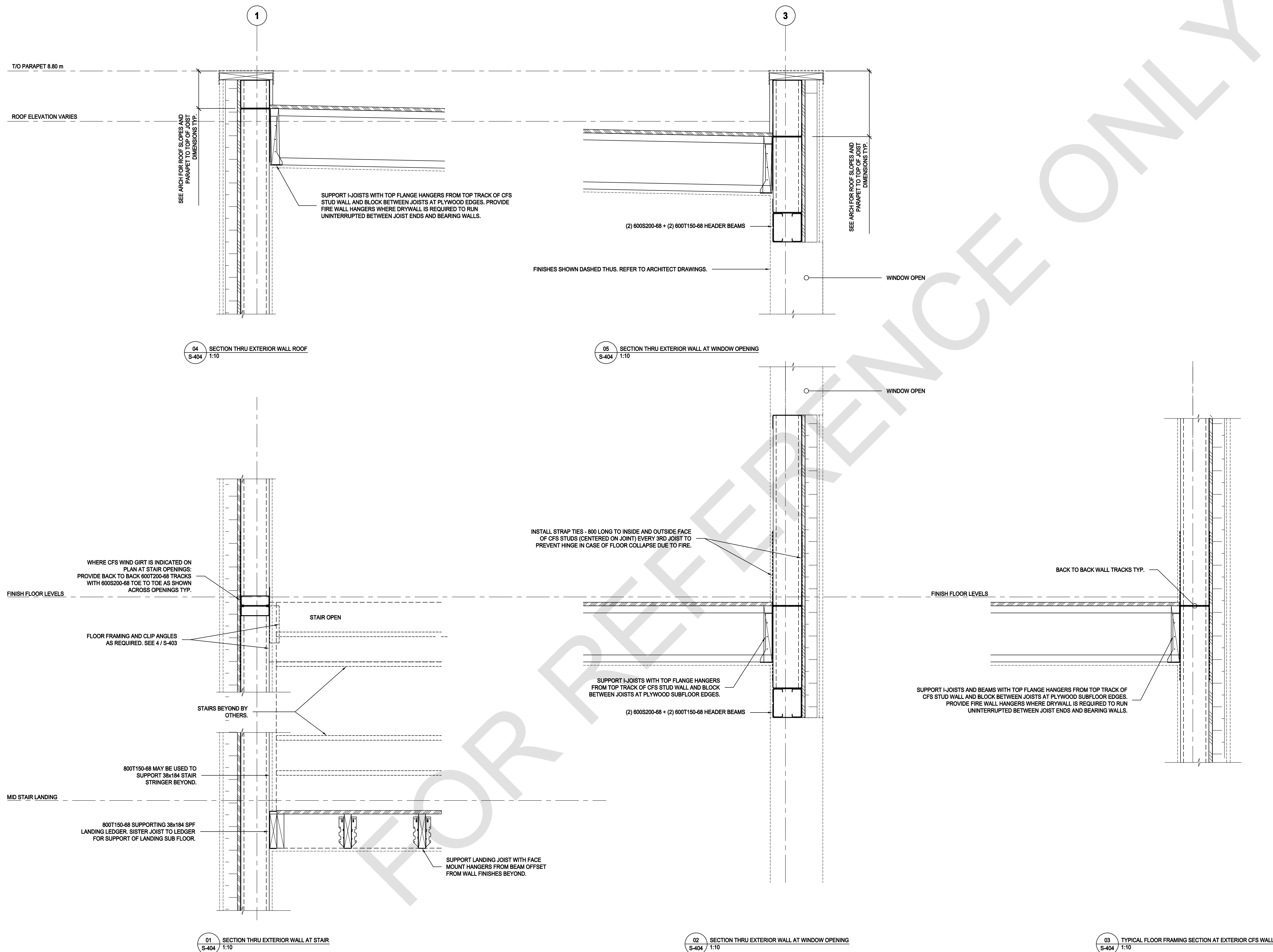
CFS FRAMING DETAILS

PROJECT NO:

SCALE: 1 : 10

SHEET NO:

S-404



[illegible]

NO.	DATE	DESCRIPTION
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S-405



REFER TO ARCHITECTURAL DRAWINGS, S102, S103 FOR
COLUMN LAYOUTS AND CONFIGURATION.

GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL. – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
2. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE CONDITIONS, VERIFY ASSUMPTIONS, MAKE ANY FINAL DESIGN SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATIONS.
3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED, THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL, AS REQUIRED BY THE APPLICABLE PROFESSIONAL BOARD OF REGULATION OR AUTHORITY HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ). CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SIXPLEX NARROW

SHEET TITLE:

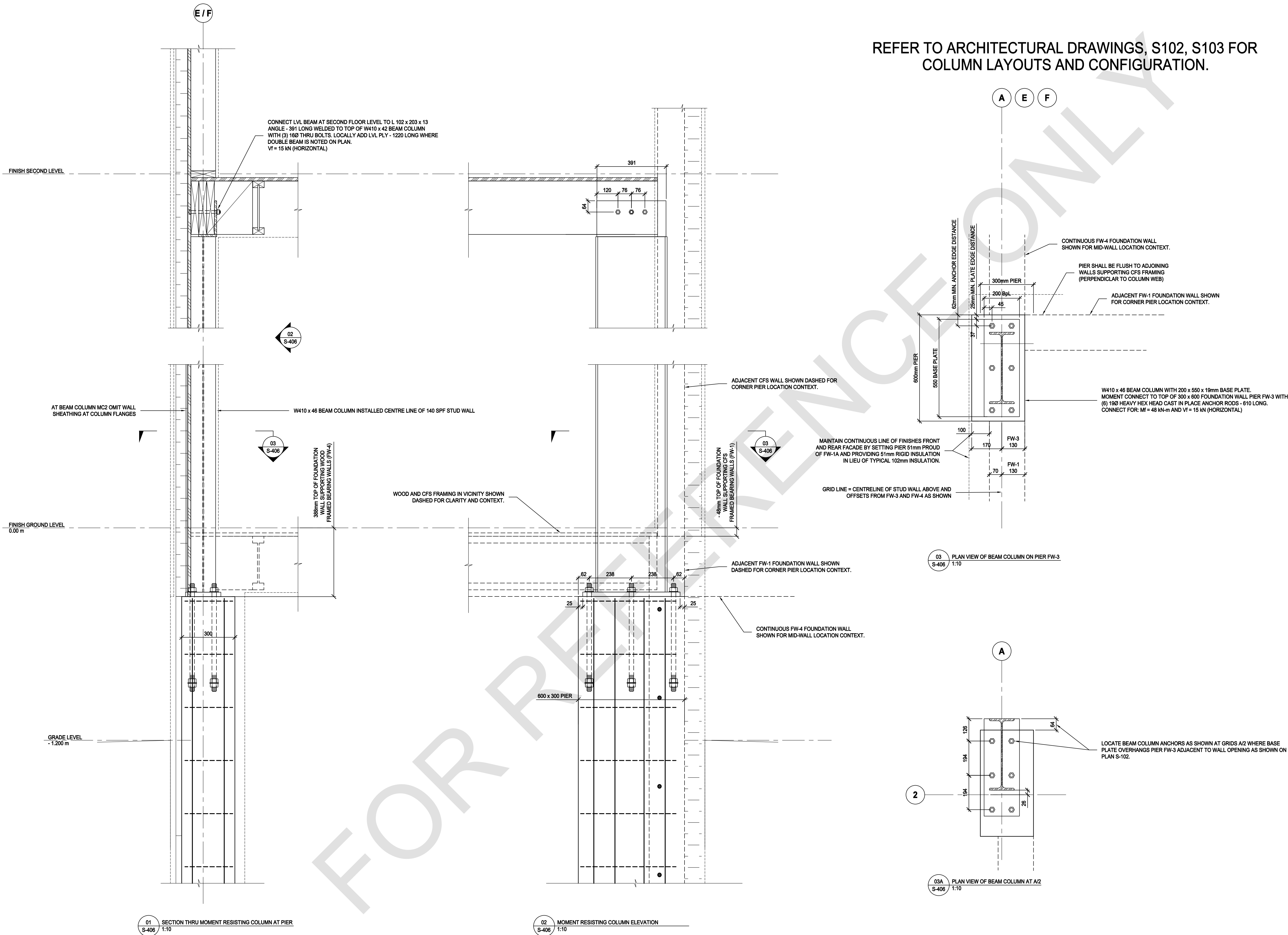
LATERAL STABILIZING COLUMN DETAILS

PROJECT NO:

SCALE: 1 : 10

SHEET NO:

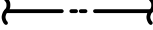
S-406



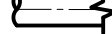
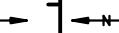
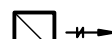
CITY OF TORONTO MULTIPLEX SIXPLEX NARROW MECHANICAL DRAWINGS - ALL ELECTRIC

MECHANICAL DRAWING LIST	
DRAWING NO.	DRAWING NAME
M000	MECHANICAL COVER SHEET & SYMBOLS
M001	MECHANICAL OUTLINE SPECIFICATIONS
M002	MECHANICAL DETAILS - ALL ELECTRIC
M100	SIXPLEX NARROW PLUMBING & FIRE PROTECTION (BELOW GRADE & BASEMENT) - ALL ELECTRIC
M101	SIXPLEX NARROW PLUMBING & FIRE PROTECTION (MAIN FLOOR TO THIRD FLOOR) - ALL ELECTRIC
M102	SIXPLEX NARROW HVAC

ABBREVIATIONS	
SYMBOL	DESCRIPTION
S/A	SUPPLY AIR
R/A	RETURN AIR
E/A	EXHAUST AIR
O/A	OUTDOOR AIR

PLUMBING AND DRAINAGE	
SYMBOL	DESCRIPTION
	P-TRAP
	CLEAN OUT (FLOOR & CEILING)
	ROUND FLOOR DRAIN
	HUB DRAIN
	DOMESTIC COLD WATER (DCW) PIPING
	DOMESTIC HOT WATER (DHW) PIPING
	SANITARY DRAINAGE (SAN) PIPING
	WATER METER

MECHANICAL PIPING	
SYMBOL	DESCRIPTION
	PIPE DOWN
	PIPE UP
	PIPE UP & DOWN
	VALVE
	BALANCING VALVE
	PIPE CONTINUATION
	CONDENSATE DRAINAGE PIPING
	FLOW DIRECTION

DUCTWORK	
SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT UP & DOWN
	RETURN / EXHAUST AIR DUCT UP & DOWN
	ROUND DUCT UP & DOWN
	DUCT CONTINUATION (ROUND & RECTANGULAR)
	SUPPLY / RETURN GRILLE
	RETURN / EXHAUST GRILLE
	TOILET EXHAUST FAN
	FLOOR GRILLE
	CEILING GRILLE
	FLOOR BOOT
	THERMOSTAT
	DOOR UNDERCUT



PROFESSIONAL SEAL

DISCLAIMER

GENERAL NOTES:

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2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

- ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL –
EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS
DESIGNED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND
AUTHORITY HAVING JURISDICTION.
- THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE
THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE
CONDITIONS, VERIFY ASSUMED CONDITIONS, AND ADDRESS
SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE
COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER
REGULATIONS.
- THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY
FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES
APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY
THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES
HAVING JURISDICTION. THE QUALIFIED DESIGN PROFESSIONAL WILL BE
RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY
ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO
THEIR JURISDICTION.
- THE ARCHITECT OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT
THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE
AUTHORITY HAVING JURISDICTION (AHJ).
- CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED
DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE
REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE
STANDARDS.
- QDS SHALL COMPLETE AND CONFIRM COMPLIANCE WITH SELECTED
SB-12 PACKAGE.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SHEET TITLE:

MECHANICAL COVER SHEET & SYMBOLS

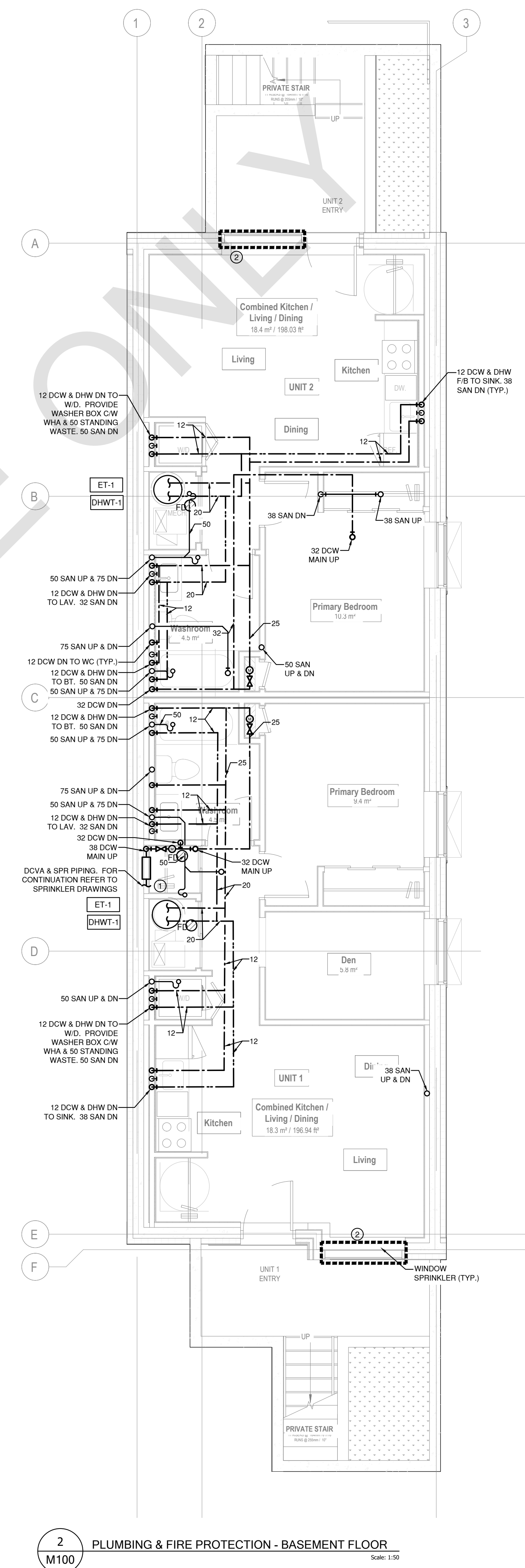
PROJECT NO: 241058

SCALE: NTS

SHEET NO:

M000

SCALE: NTS



PROFESSIONAL SEAL

DISCLAIMER

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1. ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL –
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3. DESIGNATED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND
4. AGENCIES HAVING JURISDICTION OVER THE PROJECT.
5. THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE
6. THE PRE-APPROVED DESIGN DRAWINGS TO ALIGN WITH SITE
7. CONDITIONS, VARYING ASSUMPTIONS, MAKE ANY FINAL DESIGN
8. CHANGES OR MODIFICATIONS DESIRED, AND ENSURE THE DESIGN
9. COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER
10. REGULATIONS.
11. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY
12. FOR THE ENTIRE SET OF DOCUMENTS UPDATED. THIS INCLUDES
13. APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY
14. THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES
15. HAVING JURISDICTION OVER THE PROJECT. DESIGN PROFESSIONALS ARE
16. RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY
17. ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO
18. THE PROJECT.
19. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT
20. THE FINALIZED DESIGN IN A PERMIT APPLICATION TO THE APPROPRIATE
21. AUTHORITY HAVING JURISDICTION (A.H.J.).
22. FINANCIAL REVIEW AND ASSUMPTION RESPONSIBILITY OF THE QUALIFIED
23. DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE
24. REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE
25. STANDARDS.
26. QDP SHALL VERIFY MUNICIPAL WATER PRESSURE AND SANITARY SERVICE
27. CONDITIONS.
28. INCOMING SANITARY ELEVATIONS SHALL BE CONFIRMED PRIOR
29. TO PERMIT APPLICATION.
30. REQUIREMENT FOR SURVEY LEVELS: SUMP PUMPS AND BACKWATER
31. VALVES SHALL BE VERIFIED BY THE QDP.
32. QDP SHALL COMPLETE DEEDS AND CONFORM COMPLIANCE WITH SELECTED
33. JURISDICTIONS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SHEET TITLE:

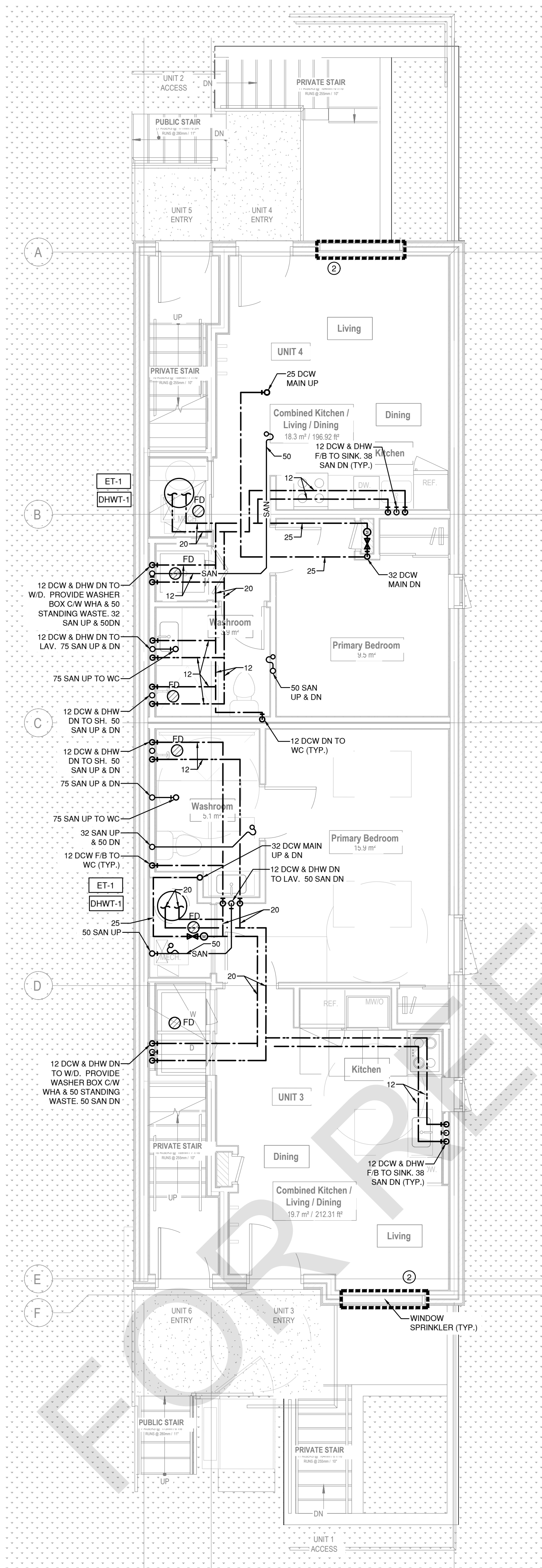
SIXPLEX NARROW
PLUMBING & FIRE
PROTECTION (MAIN FLOOR
TO THIRD FLOOR)
- ALL ELECTRIC

PROJECT NO:

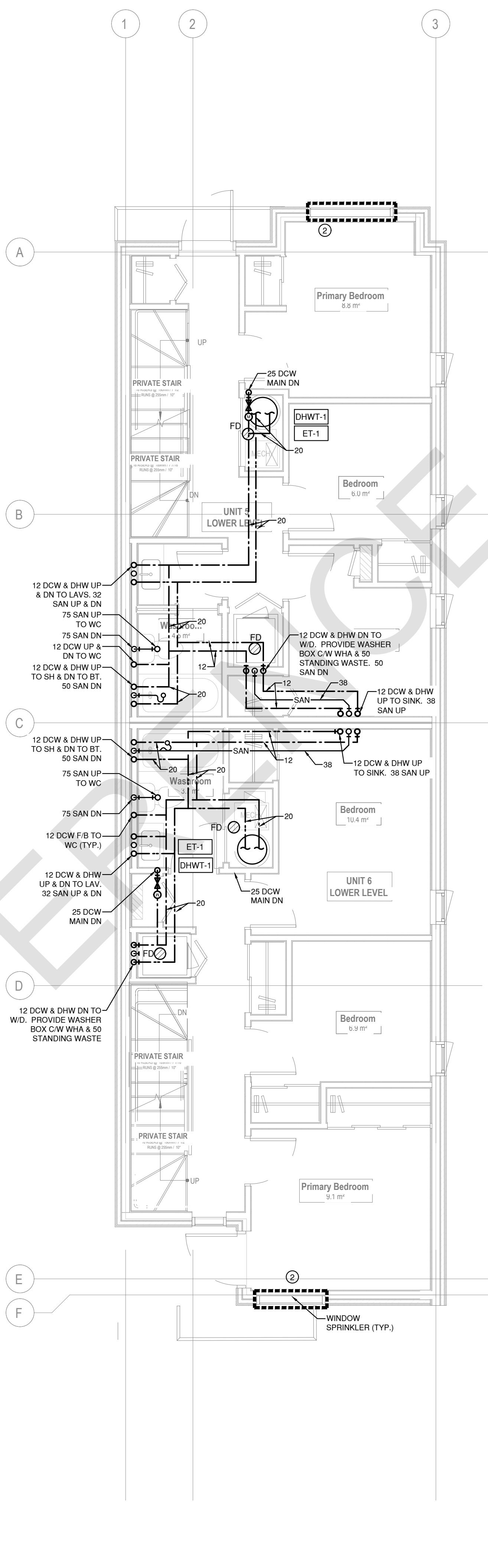
241058

SHEET NO:

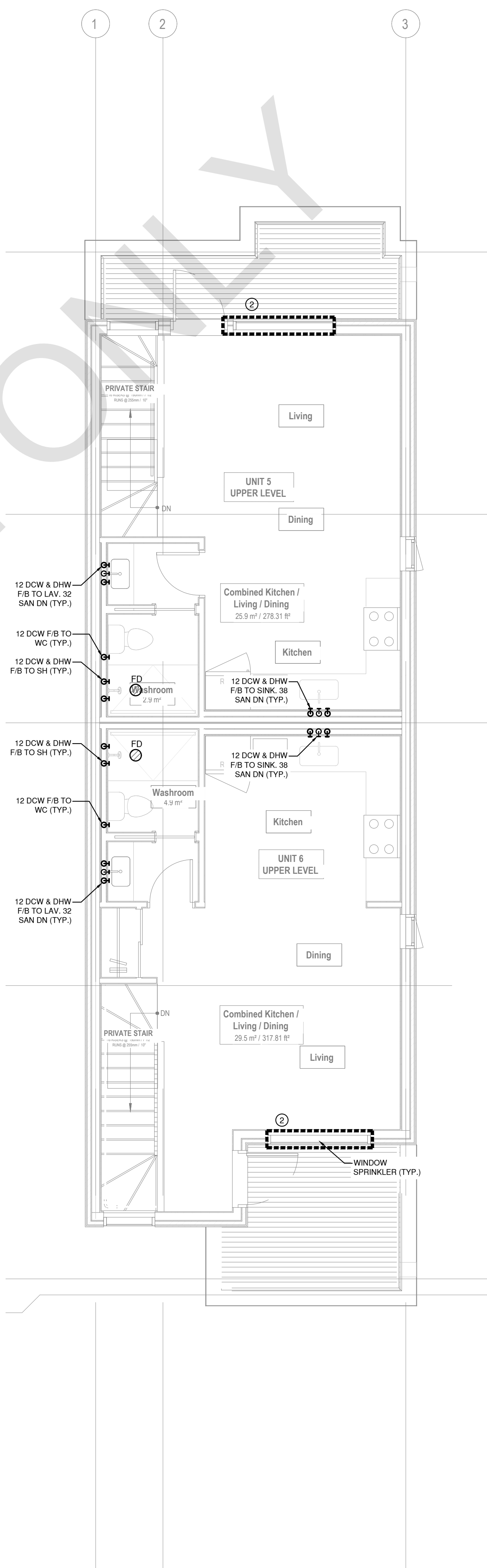
M101



1 PLUMBING & FIRE PROTECTION - MAIN FLOOR
M101 Scale: 1:50



2 PLUMBING & FIRE PROTECTION - SECOND FLOOR
M101 Scale: 1:50



3 PLUMBING & FIRE PROTECTION - THIRD FLOOR
M101 Scale: 1:50

- ### SPRINKLER KEY NOTES
- 1 PROVIDE DOUBLE CHECK VALVE & ZONE CONTROL RISER MODULE C/W FLOW SWITCH AND SUPERVISED VALVES (REFER TO SCHEMATIC). SPRINKLER CONTRACTOR TO PERFORM HYDRANT TEST & HYDRAULIC CALCULATIONS TO CONFIRM SIZE OF INCOMING DOMESTIC WATER MAIN.
 - 2 PROVIDE WINDOW SPRINKLERS AS PER NFPA 13. FOR PIPING ARRANGEMENT TO AND FROM HEADS REFER TO SPRINKLER DRAWINGS PROVIDED BY QUALIFIED SPRINKLER DESIGNER



DISCLAIMER

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3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

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3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONE SUBmits. THIS INCLUDES APPLYING THE ARCHITECT'S OR ENGINEER'S SEAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITIES HAVING JURISDICTION. THE QUALIFIED DESIGN PROFESSIONAL IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY ACTS, BYLAWS, AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE ARCHITECT OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE FINALIZED DESIGN FOR A BUILDING PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (N/A).
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL. IN ADDITION, COMPLIANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.
6. THE DESIGN AND COOLING LOAD CALCULATIONS SHALL BE COMPLETED BY THE QDP.
7. EQUIPMENT SCHEDULES SHOWN ARE CONCEPTUAL AND MUST BE SUBMITTED FOR THE QDP REVIEW.
8. SUPPLY, RETURN, AND EXHAUST AIRFLOW QUANTITIES SHALL BE VERIFIED BY THE QDP.
9. QDP SHALL COMPLETE DEEDS AND CONFIRM COMPLIANCE WITH SELECTED CODES.

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

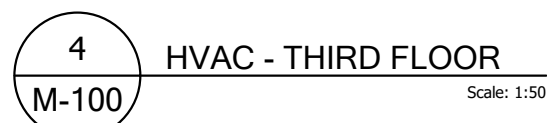
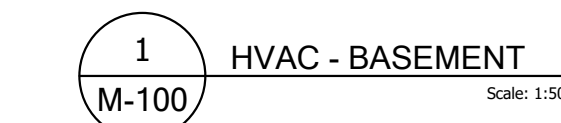
SHEET TITLE:

SIXPLEX NARROW HVAC

PROJECT NO: 241058
SCALE: AS NOTED

SHEET NO:

M102



CITY OF TORONTO MULTIPLEX SIXPLEX NARROW ELECTRICAL DRAWINGS



PROFESSIONAL SEAL

DISCLAIMER

GENERAL NOTES:

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3. THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS ONCE UPDATED. THIS INCLUDES ANY CHANGES TO ARCHITECTS OR ENGINEERS' DRAWINGS. THE QUALIFIED DESIGN PROFESSIONAL AND THE AUTHORITIES HAVING JURISDICTION (AHS). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY REQUIREMENTS AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
4. THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL, MAY SUBMIT A DESIGN FOR REVIEW AND APPROVAL TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
5. CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SHEET TITLE:

ELECTRICAL COVER SHEET, SYMBOLS & ELECTRICAL OUTLINE SPECIFICATION

PROJECT NO: 241058

SCALE: N.T.S.

SHEET NO:

E000

ELECTRICAL OUTLINE SPECIFICATIONS

- ## GENERAL
- 1.1. THE DOCUMENT IS MEANT TO BE VIEWED IN CONJUNCTION WITH AND CROSS REFERENCED TO THE ENCLOSED ELECTRICAL SCHEMATIC DRAWINGS.
- ## 2. ELECTRICAL SYSTEMS
- ### 2.1. DESIGN AND PERFORMANCE GOALS
- 2.1.1. THE FOLLOWING INFORMATION IS PROVIDED AS GUIDANCE
- 2.1.2. THIS OUTLINE SPECIFICATION PROVIDE CHMC REQUIREMENTS FOR THE ELECTRICAL SYSTEM.
- 2.1.3. THESE REQUIREMENT INTENDS TO OBTAIN FUNCTIONAL ELECTRICAL SYSTEMS, THAT ARE FLEXIBLE AND SUITABLE FOR BOTH ADAPTABLE UNITS AND ACCESSIBILITY UNIT WITH MINIMAL ALTERATION TO THE ELECTRICAL SYSTEM.
- ### 2.2. APPLICABLE CODES AND STANDARDS
- 2.2.1. ELECTRICAL SYSTEMS FOR THE BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING LATEST STANDARDS AND CODES:
- 2.2.1.1. LATEST EDITION OF THE ONTARIO ELECTRICAL SAFETY CODE (OESC);
- 2.2.1.2. CANULC-SS24
- 2.2.1.3. CANADIAN STANDARDS ASSOCIATION (CSA-C22.1);
- 2.2.1.4. LATEST EDITION OF THE ONTARIO BUILDING CODE (OBC).
- ## 3. DESIGN CRITERIA AND REQUIREMENTS
- 3.1. THE FOLLOWING INFORMATION IS PROVIDED AS A REQUIREMENT.
- ### 3.1.1. WIRING DEVICES:
- 3.1.1.1. ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE CSA APPROVED.
- 3.1.1.2. DUPLEX RECEPTACLE SHALL BE MINIMUM RESIDENTIAL GRADE, TAMPER RESISTANT AND ARC FAULT CIRCUIT INTERRUPTER PER ONTARIO ELECTRICAL SAFETY CODE REQUIREMENT.
- 3.1.1.3. RECEPTACLE WITHIN 1.5 METER TO THE SINK SHALL BE RATED FOR GROUND FAULT INTERRUPTER.
- 3.1.1.4. PROVIDE 5-20R DUPLEX RECEPTACLE OR SPLIT 5-15R DUPLEX RECEPTACLE ABOVE KITCHEN COUNTER, QUANTITY AND SPACING SHALL BE DESIGNED PER ONTARIO ELECTRICAL SAFETY CODE REQUIREMENT.
- 3.1.1.5. RECEPTABLES EXPOSED TO WEATHER SHALL BE PROVIDED WITH WET LOCATION COVER PLATE, AND GROUND FAULT INTERRUPTER.
- 3.1.1.6. INTERIOR SPACE RECEPTACLE LAYOUT SHALL BE DESIGNED IN CONFORMANCE TO THE ONTARIO ELECTRICAL SAFETY CODE REQUIREMENT.
- ### 3.1.2. BASIC MATERIAL
- 3.1.2.1. ALL POWER WIRING SHALL BE COPPER, NON-METALLIC SHEATH CABLES, RESIDENTIAL RATED, SIMILAR TO ROMEX WITHIN THE UNIT.
- 3.1.2.2. OUTLET BOX PENETRATE THE MEMBRANE OF AN ASSEMBLY REQUIRE TO HAVE FIRE-RESISTANCE RATING MUST BE SEALED AT THE PENETRATION BY A FIRESTOP THAT HAS AN FT RATING NOT LESS THAN THE FIRE-RESISTANCE RATING OF THE FIRE SEPARATION.
- 3.1.2.3. PROVIDE EMT CONDUIT COMPLETE WITH SEPARATE INSULATED GROUND WRING FROM HYDRO METER TO SUITE LOAD CENTER.
- 3.1.2.4. CONDUITS INSTALLED UNDERGROUND SHALL BE RIGID PVC.
- 3.1.2.5. LOAD CENTER SHALL BE SIZED PER ONTARIO ELECTRICAL SAFETY CODE REQUIREMENT AND SHALL COMPLETE WITH THE FOLLOWING COMPONENTS:
- 3.1.2.5.1. MAIN BREAKER
- 3.1.2.5.2. SURFACE MOUNTED AT PLYWOOD BACKBOARD IN ELECTRICAL CLOSET/CABINET.
- 3.1.2.5.3. QUANTITY OF BRANCH BREAKERS MEETING DESIGN REQUIREMENT.
- 3.1.2.5.4. TYPE PRINTED PANEL DIRECTORY
- 3.1.2.5.5. FILLER PLATE FOR ANY OPENING.
- ### 3.1.3. MOUNTING HEIGHT
- 3.1.3.1. MOUNTING OF EQUIPMENT SHALL BE COMPLIANT WITH ONTARIO BUILDING CODE.
- 3.1.3.2. UNLESS OTHERWISE INDICATED, INSTALL EQUIPMENT AT FOLLOWING HEIGHT:
- 3.1.3.2.1. LOCAL SWITCH: 900MM TO 1100MM ABOVE THE FINISHED FLOOR
- 3.1.3.2.2. DUPLEX RECEPTACLE: 400MM TO THE CENTRE
- 3.1.3.2.3. SUITE PANEL: 200MM TO THE TOP
- 3.1.3.2.4. DATA/TV OUTLET: 400MM TO THE CENTRE
- 3.1.3.2.5. INTERCOM 900MM TO 1100MM ABOVE THE FINISHED FLOOR
- ### 3.1.4. SMOKE ALARM
- 3.1.4.1. PROVIDE A/C POWERED SMOKE ALARMS (COMPLETE WITH STROBE & SOUNDER BASES) IN ACCORDANCE WITH OBC REQUIREMENTS. THESE DETECTORS SHALL BE "NON-ADDRESSABLE" TYPES. A COMBINATION OF SMOKE AND CO ALARMS SHALL BE PROVIDED ADJACENT TO, AND ABOVE AND BELOW THE FLOOR LEVEL OF THE GAS-FIRED EQUIPMENT.
- 3.1.4.2. SMOKE ALARM/ COMBINATION OF SMOKE & CO ALARM SHALL BE 120V HARD WIRE CONNECTION COMPLETE WITH BATTERY BACKUP.
- 3.1.4.3. SMOKE ALARM/COMBINATION OF SMOKE & CO ALARM SHALL BE CONNECTED TO A LIGHTING CIRCUIT OR A MIX OF LIGHTING & RECEPTACLE CIRCUIT IN ACCORDANCE WITH ONTARIO ELECTRICAL SAFETY CODE.
- 3.1.4.4. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED IN A DWELLING UNIT, THE SMOKE ALARMS SHALL BE WIRED SO THAT THE ACTIVATION OF ONE ALARM WILL CAUSE ALL ALARMS WITHIN THE DWELLING UNIT TO SOUND.
- 3.1.4.5. SMOKE ALARM/COMBINATION OF SMOKE & CO ALARM SHALL BE EQUIPPED WITH A TESTING/SILENCE BUTTON ON THE FRONT OF THE UNIT.
- 3.1.4.6. SMOKE ALARM SOUND PATTERN SHALL EMIT A T3 ALARM (THREE INTERMITTENT BEEPS FOLLOWED BY A PERIOD OF SILENCE).
- 3.1.4.7. CARBON MONOXIDE ALARM SOUND PATTERN SHALL EMIT T4 ALARM (FOUR INTERMITTENT BEEPS FOLLOWED BY A PERIOD OF SILENCE)
- ### 3.1.5. LIGHTING
- 3.1.5.1. PRODUCT SHALL BE CSA APPROVED AND/OR ULC LISTED.
- 3.1.5.2. ENERGY-EFFICIENT LED LIGHTING FIXTURE SHALL BE PROVIDED.
- 3.1.5.3. RECESSED LIGHTING SHALL NOT BE LOCATED IN FIRE RATED CEILING.
- 3.1.5.4. RECESSED LIGHTING SHALL NOT BE LOCATED IN INSULATED CEILINGS UNLESS THE FIXTURES ARE DESIGNED FOR SUCH INSTALLATIONS.
- 3.1.5.5. LIGHTING SHALL BE CONTROLLED THROUGH A LOCALIZED LIGHT SWITCH IN EACH SPACE.
- 3.1.5.6. AN EXTERIOR LIGHTING OUTLET WITH FIXTURE CONTROLLED BY A WALL SWITCH LOCATED

WITHIN THE BUILDING SHALL BE PROVIDED AT EVERY ENTRANCE.

- | | |
|--------------------------------|--|
| 3.1.5.7. | 3-WAY WALL SWITCHES LOCATED AT THE HEAD AND FOOT OF EVERY STAIRWAY SHALL BE PROVIDED TO CONTROL AT THE LEAST ONE LIGHTING OUTLET. |
| 3.1.5.8. | MINIMUM LIGHTING LEVEL TO BE ACHIEVED FOR THE FOLLOWING AREAS: |
| a. | KITCHEN 300LX |
| b. | BEDROOM ADULT 100 TO 300LX |
| c. | BEDROOM (CHILD) 500LX |
| d. | BATHROOM 300LX |
| e. | LIVING ROOMIDEN 300LX |
| f. | FAMILY ROOM 300LX (TV REVIEWING 150LX) |
| g. | LAUNDRY/UTILITY 200LX |
| h. | DINING ROOM 200LX |
| i. | HALL/LANDINGS/STAIRWAY 100LX TO 500LX |
| j. | HOME OFFICE 500LX |
| k. | GARAGE 500LX |
| l. | WORKSHOP 800LX |
| m. | EXTERIOR (PATIO, BALCONIES) 50LX |
| ELECTRICAL DESIGN BY UNIT TYPE | |
| 4.0.1. | 6-PLEX RESIDENTIAL UNITS SERVICE |
| 4.0.1.1. | PROVIDE ONE (1) 120/240V SERVICE FOR THE SITE. THE EXACT SIZE SHALL BE DESIGNED PER ONTARIO ELECTRICAL SAFETY CODE, AND THE TORONTO HYDRO UTILITY REQUIREMENTS. COORDINATE WITH TORONTO HYDRO UTILITY EARLY IN THE PROJECT TO SUPPORT THE DESIGN OF THE INCOMING SERVICE WORK AND TO AVOID POTENTIAL DELAYS. |
| 4.0.1.1.1. | DEPENDING ON THE REQUIRED LOAD, ON-SITE TRANSFORMATION FACILITIES MAY BE NECESSARY. LOCATION AND CAPACITY OF THE ON-SITE TRANSFORMER SHALL BE COORDINATED WITH TORONTO HYDRO WHERE REQUIRED. |
| 4.0.1.1.2. | PROVISION OF AN ALTERNATIVE SUPPLY AT 120/208V, THREE-PHASE, FOUR-WIRE SERVICE MAY BE AVAILABLE, SUBJECT TO TORONTO HYDRO UTILITY REQUIREMENTS AND SYSTEM CAPACITY. |
| 4.0.1.2. | SUBJECT TO LOCAL HYDRO UTILITY REQUIREMENTS AND AVAILABLE SUPPLY, A METER CENTRE WITH ASSOCIATED RESIDENTIAL-GRADE HYDRO METERS, INSTALLED EITHER WITHIN THE BUILDING OR ON AN EXTERIOR WALL, IN ACCORDANCE WITH LOCAL HYDRO UTILITY STANDARDS. |
| 4.0.1.2.1. | WHERE THE METER CENTRE SHALL BE INSTALLED WITHIN THE BUILDING, IT SHALL BE INSTALLED IN A CLOSET AT THE SUITABLE LOCATION DETERMINED BY THE END USER QUALIFIED DESIGN PROFESSIONAL. |
| 4.0.1.2.2. | FOR ROW- OR TOWN-HOUSE TYPE DEVELOPMENTS, INDIVIDUALLY METER SUPPLIED ARRANGEMENT MAY BE AVAILABLE BY THE LOCAL HYDRO UTILITY. CONTACT THE LOCAL HYDRO UTILITY FOR AVAILABILITY. |
| 4.0.1.3. | PROVIDE GANGED RESIDENTIAL GRADE HYDRO METERS AND ASSOCIATED EQUIPMENT PER TORONTO HYDRO REQUIREMENT AND INSTALL ON THE EXTERIOR WALL OF THE RESIDENTIAL UNITS PER TORONTO HYDRO UTILITY REQUIREMENTS. |
| 4.0.1.4. | PROVIDE ONE (1) 120/240V RATED ELECTRICAL LOAD CENTRE PANEL AT THE ELECTRICAL CLOSET/CABINET IN EACH UNIT FOR POWER DISTRIBUTION. |
| 4.0.1.5. | PROVIDE TELECOMMUNICATION SERVICE AND TERMINATE AT THE ELECTRICAL/CABINET IN EACH UNIT FOR COMMUNICATION SERVICE DISTRIBUTION. |
| 4.0.1.5. | ELECTRICAL LAYOUT SHOWN ARE SCHEMATIC ONLY AND REQUIRE COMPLETION BY THE ELECTRICAL QUALIFIED DESIGN PROFESSIONAL. |
| 4.0.2. | RECEPTACLE |
| 4.0.2.1. | DUPLEX RECEPTACLE SPACING SHALL BE PER ONTARIO ELECTRICAL SAFETY CODE REQUIREMENT. |
| 4.0.2.2. | DUPLEX RECEPTACLE SHALL BE TAMPER RESISTANT. |
| 4.0.2.3. | OTHER THAN WASHROOM AND KITCHEN, RECEPTACLES SHALL BE AFCI RATED PER ONTARIO ELECTRICAL SAFETY CODE REQUIREMENT. |
| 4.0.2.4. | COORDINATE WITH DESIGN PROFESSION TO CONFIRM KITCHEN APPLIANCES - STOVE OR COOK TOP & WALL OVEN. PROVIDE SUITABLE POWER CONNECTION. |
| ACCESSIBLE UNIT | |
| 1. | THE ELECTRICAL DESIGN FOR THE ACCESSIBLE UNIT SHALL BE IN COMPLIANCE TO CSA/ASC B652.23 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: |
| 5.1.1. | LIGHTING & LIGHTING CONTROL |
| 5.1.1.1. | LIGHTING ILLUMINATION REQUIREMENT SHALL REFER TO SECTION 3.1.5. |
| 5.1.1.2. | VANITY (TASK) LIGHTING SHALL BE DIMMABLE AND MOUNTED AT MINIMUM 1000MM TO 1700MM ABOVE FINISH FLOOR. |
| 5.1.1.3. | LIGHT SWITCH SHALL BE ILLUMINATED TYPE IN THE BATHROOM. |
| 5.1.1.4. | LIGHT SWITCH SHALL BE LUMINANCE (COLOR) CONTRASTED WITH THEIR BACKGROUND IN ALL OTHER SPACES. |
| 5.1.1.5. | AT THE LEAST ONE (1) LIGHT SWITCH SHALL BE PROVIDED BESIDE THE BED AT A HEIGHT BETWEEN 550MM AND 650MM ABOVE THE FLOOR. |
| 5.1.2. | RECEPTACLE |
| 5.1.2.1. | PROVIDE ONE RECEPTACLE IN THE CEILING FOR FUTURE LIFT ABOVE THE BED. |
| 5.1.2.2. | PROVIDE ONE RECEPTACLE BELOW THE BED TO ACCOMMODATE FUTURE ELECTRICALLY ADJUSTABLE BEDS OR LIFTS. |
| 5.1.2.3. | RECEPTACLE IN THE KITCHEN SHALL BE INSTALLED ON FRONT FACE OF COUNTERS HOWEVER, IT IS ACCEPTABLE TO BE INSTALLED ALONG THE BACK OF COUNTERS IF NEEDED. |
| 5.1.2.7. | INSTALL ALL RECEPTACLE AT THE SPACING PER CSA/ASC B652 REQUIREMENT. |
| 5.1.2.8. | INSTALL ALL ELECTRICAL DEVICE AT THE HEIGHT PER CSA/ASC B652 REQUIREMENT. |
| 5.1.2.9. | PROVIDE QUAD RECEPTACLE NEXT TO THE BED PER CSA/ASC B652 REQUIREMENT. |
| 5.1.2.10. | BATHROOM SHALL BE DESIGNED IN ACCORDANCE WITH CSA/ASC B652 REQUIREMENT. |
| 5.1.2.11. | KITCHEN COUNTER RECEPTACLE SHALL BE INSTALLED ALONG THE BACK COUNTER |
| 5.1.2.12. | OUTLET CONNECTION FOR STACK DRYER & WASHER SHALL BE INSTALLED SIDE BY SIDE. |

- 5.2. PROVIDE FOLLOWING ELECTRICAL DEVICES IN COMPLIANCE TO ACCESSIBLE UNIT REQUIREMENT, 5.2.1. LIGHT SWITCH BY THE BED SIDE.
- 5.2.2. ONE OUTLET BELOW BED AND ONE OUTLET IN THE CEILING OF THE BEDROOM COMPLETE V. PULL STRING FOR FUTURE ADJUSTABLE BED AND LIFT.
- 5.2.3. OUTLET FOR AUTOMATED DOOR OPENER FOR THE ASSIGNED ADAPTABLE WASHROOM, 5.2.4. OUTLET FOR DOOR BELL, INTERCOM AND SECURITY CAMERA.
- 5.2.5. OUTLET CONNECTION FOR VANITY LIGHTING IN THE BATHROOM.
- 5.2.6. PROVIDE POWER ASSISTED DOOR AT BATHROOM DOOR AND MAIN ENTRANCE.

ELECTRICAL DRAWING LIST

DRAWING NO.	DRAWING NAME
E000	ELECTRICAL COVER SHEET, SYMBOLS & ELECTRICAL OUTLINE SPECIFICATION
E100	SIXPLEX NARROW ELECTRICAL

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	120V COMBINATION SMOKE/CARBON MONOXIDE ALARM COMPLETE WITH STROBE, AUDIO ALARM AND BATTERY BACKUP.
	SURFACE OR FLUSH MOUNTED ELECTRICAL PANELS
	HYDRO METER & METER BASE
	FUSED DISCONNECT SWITCH



GENERAL NOTES:

1. NO DRAWINGS WILL BE FOR CONSTRUCTION UNLESS STAMPED BY THE QUALIFIED DESIGN PROFESSIONAL (QDP) AND ISSUED FOR THAT PURPOSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE QUALIFIED DESIGN PROFESSIONAL PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE DRAWINGS.

QUALIFIED DESIGN PROFESSIONAL (QDP)

- ALL END USERS REQUIRE A QUALIFIED DESIGN PROFESSIONAL. – EITHER AN ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL AS REQUIRED BY THE RELEVANT PROFESSIONAL ASSOCIATIONS AND THE AUTHORITY HAVING JURISDICTION.
- THE QUALIFIED DESIGN PROFESSIONAL MUST REVIEW AND UPDATE THE PRE-APPROVED DESIGN DRAWINGS TO AUGUST WITH SITE SPECIFIC COMMENTS, VARIATIONS, AND/OR REVISIONS TO MEET THE USER'S SELECTIONS OR MODIFICATIONS DESIRED, AND ENSURE CODE COMPLIANCE WITH ALL APPLICABLE CODES, BYLAWS, AND OTHER REGULATORY REQUIREMENTS.
- THE QUALIFIED DESIGN PROFESSIONAL WILL TAKE RESPONSIBILITY FOR THE ENTIRE SET OF DOCUMENTS SO UPDATED. THIS INCLUDES THE DESIGNER, ARCHITECTS OR ENGINEERS, AND ANY OTHERS INVOLVED IN THE RELEVANT PROFESSIONAL ASSOCIATION AND THE AUTHORITY HAVING JURISDICTION (AHJ). QUALIFIED DESIGN PROFESSIONALS ARE RESPONSIBLE FOR COMPLYING WITH THE RELEVANT REGULATORY REQUIREMENTS AND PROFESSIONAL REQUIREMENTS APPLICABLE TO THEIR JURISDICTION.
- THE END USER OR THE QUALIFIED DESIGN PROFESSIONAL MAY SUBMIT THE DESIGN TO THE AHJ FOR REVIEW AND PERMIT TO THE APPROPRIATE AUTHORITY HAVING JURISDICTION (AHJ).
- CONSTRUCTION REVIEW IS THE RESPONSIBILITY OF THE QUALIFIED DESIGN PROFESSIONAL IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND PROFESSIONAL PRACTICE STANDARDS.

NO.	DATE	DESCRIPTION
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PROJECT:

City of Toronto - Multiplex

SHEET TITLE:

SIXPLEX NARROW ELECTRICAL

PROJECT NO: 241058

NOTED

SHEET NO:

E100

