

FORESTSIDE TOWNHOUSES

TORONTO, ONTARIO

Project
Number : #19066

Issued for : ISSUED FOR PROGRESSIVE CONSTRUCTION /
ISSUED FOR PERMIT BUILDINGS A, B, C, D

Issued date : MARCH 25, 2021



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LIST OF STRUCTURAL DRAWINGS

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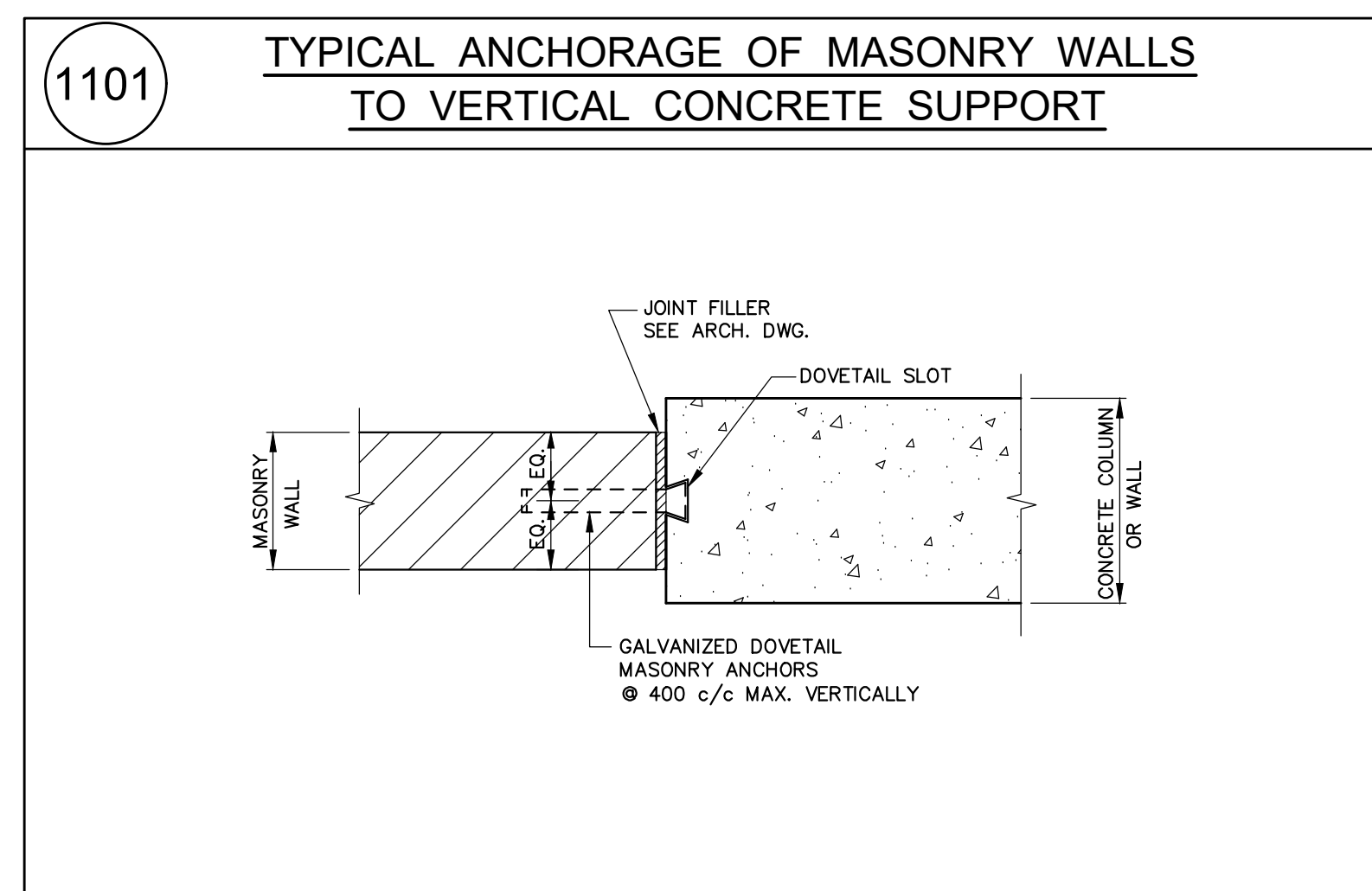
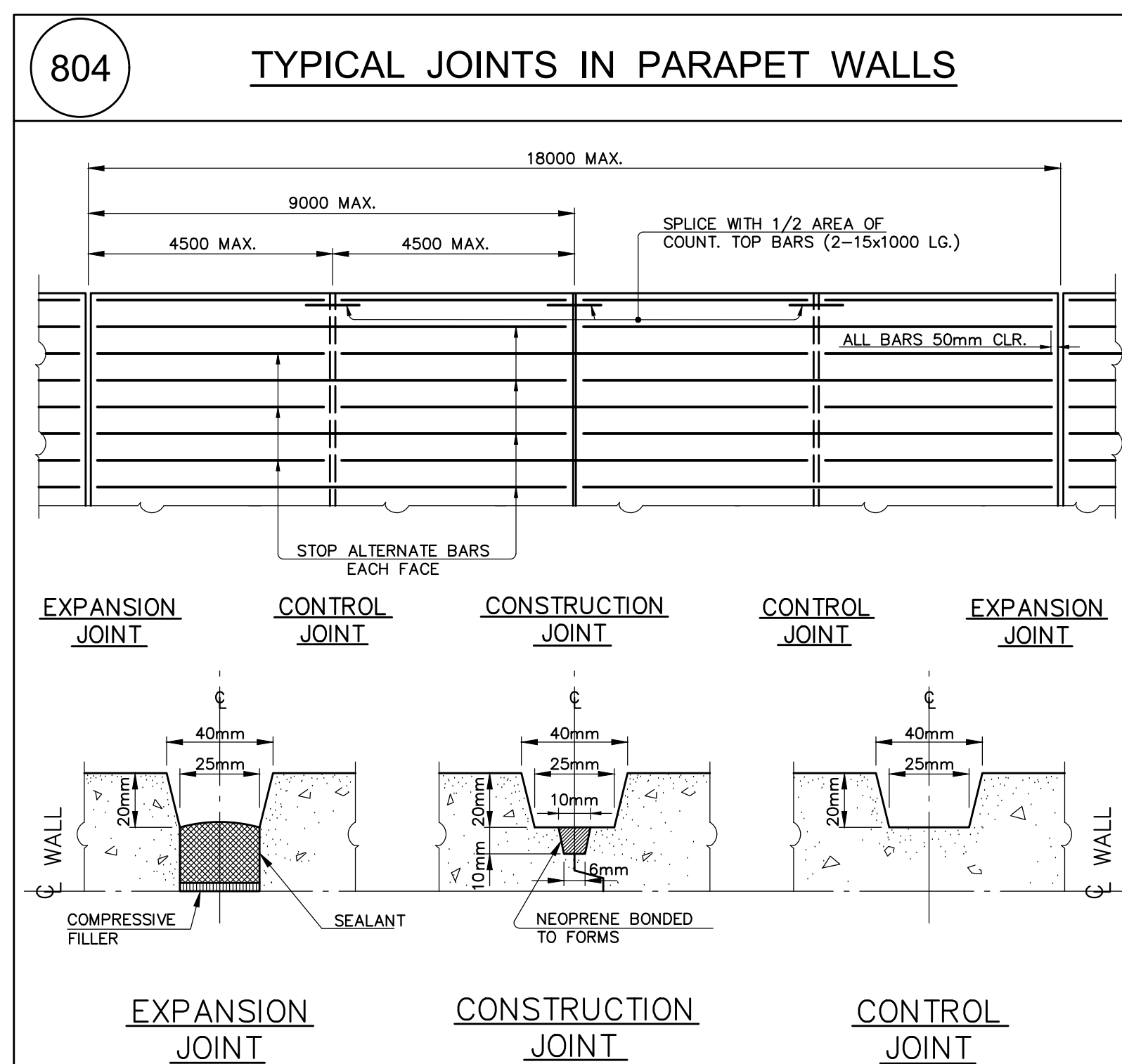
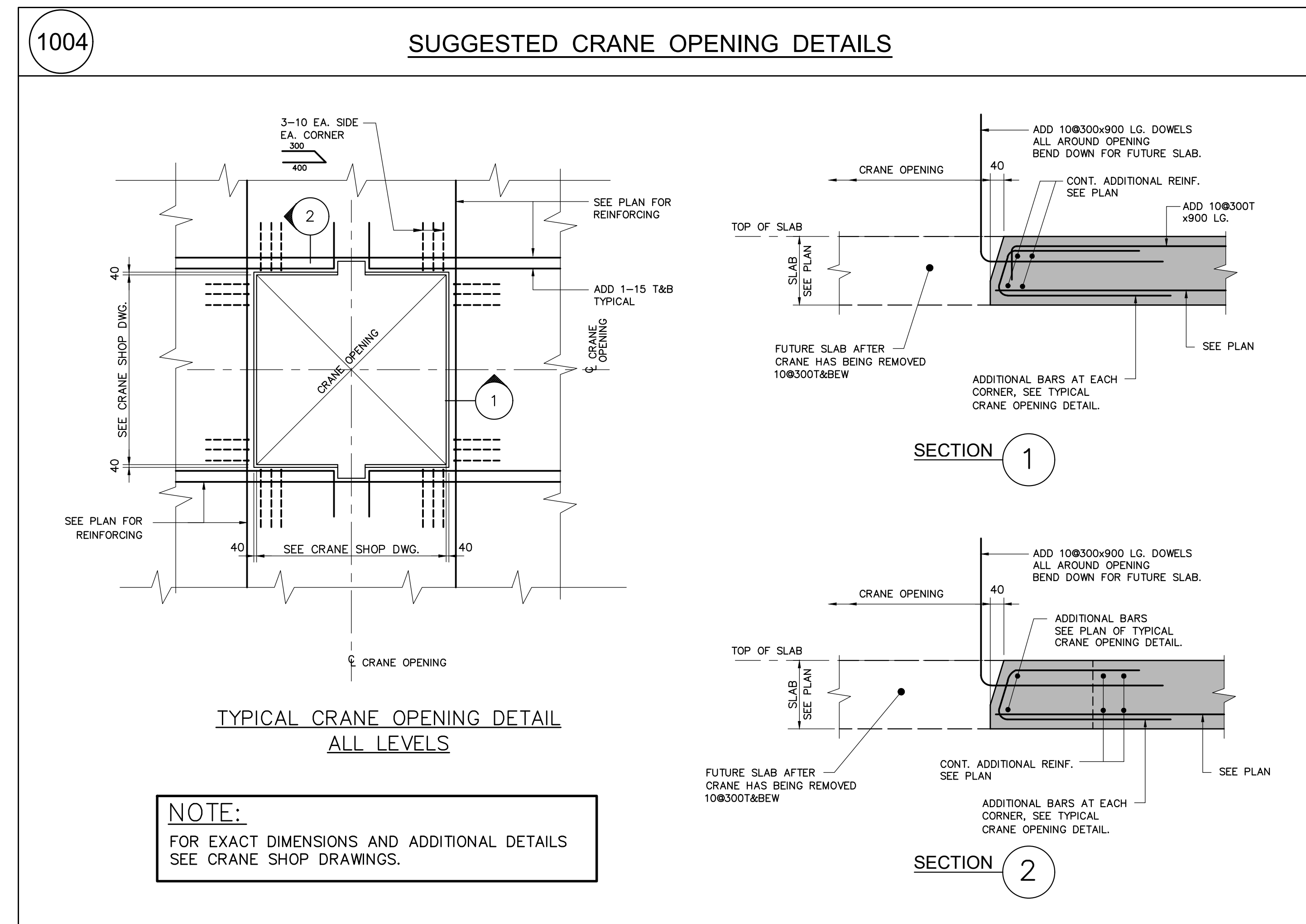
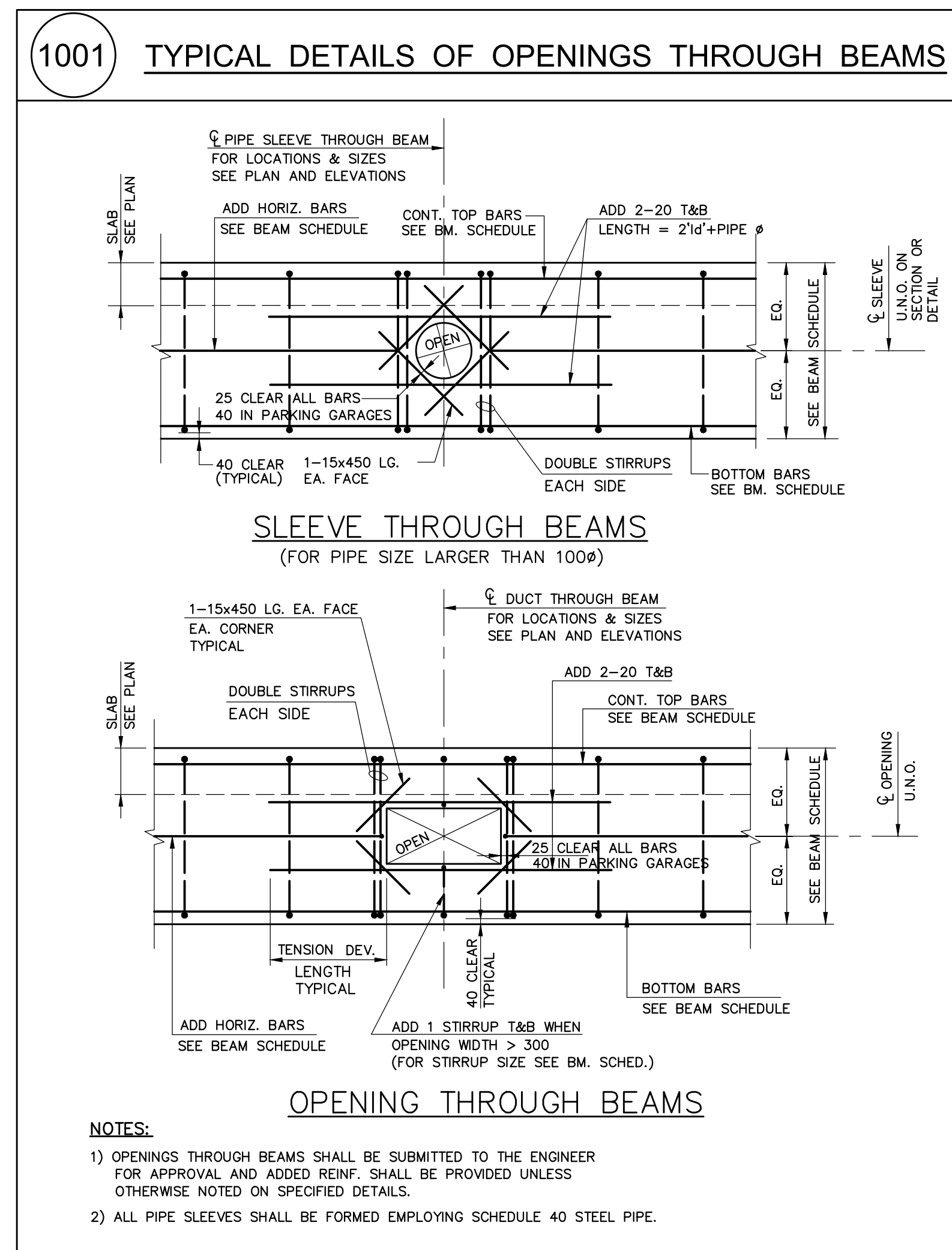
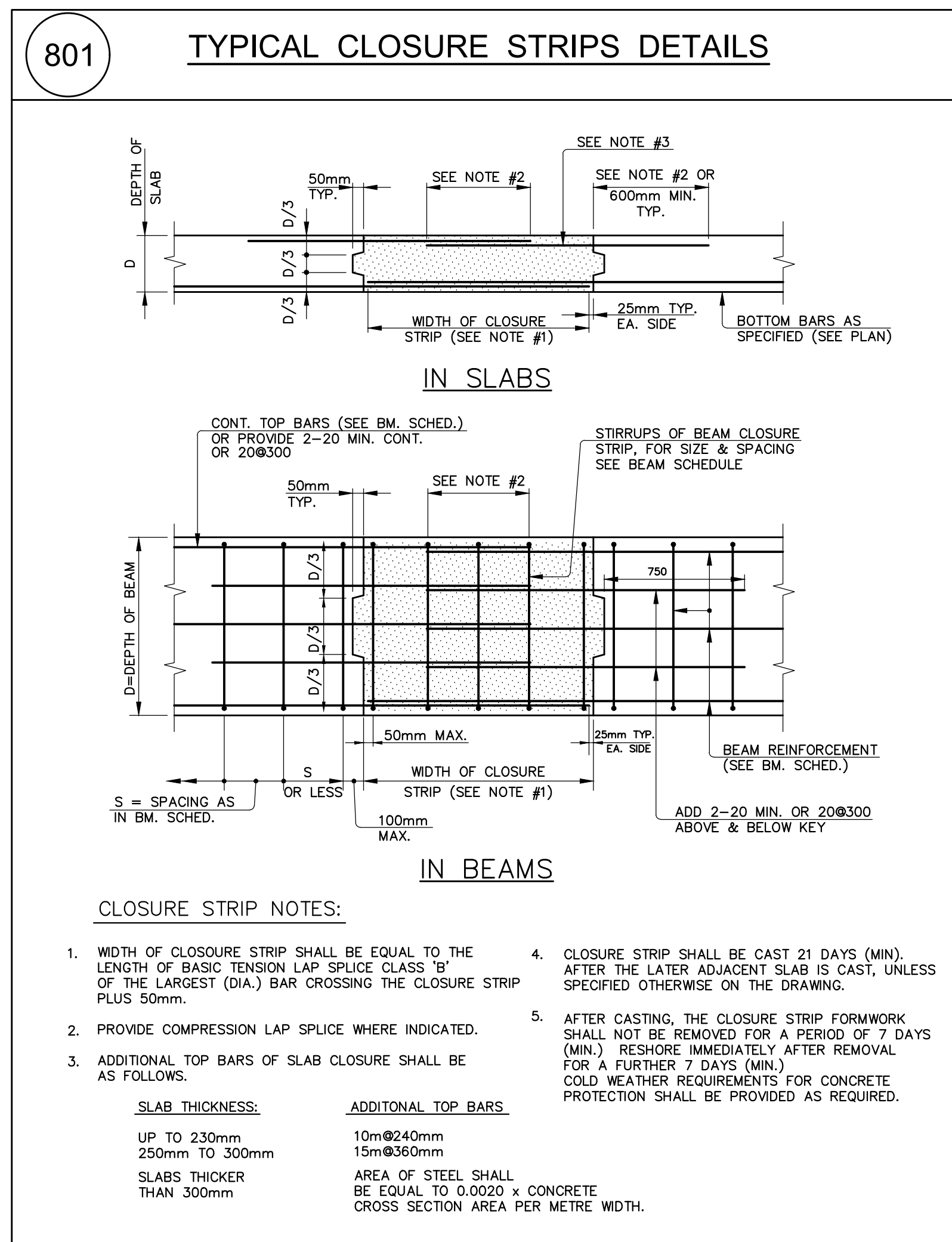
COLUMN AND WALL SCHEDULE NOTES:

- COLUMN SIZE GIVEN FIRST IN THE SCHEDULE IS IN THE EAST-WEST DIRECTION.
- COLUMN LOADS ARE GIVEN IN SPECIFIED KILONEWTONS.
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS SPECIFIED IN SCHEDULE.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- PROVIDE TENSION LAP SPICE (CLASS 'B') FOR ALL VERTICAL BARS MARKED THUS: Φ IN SCHEDULE.
- PROVIDE COLUMN TIES IN WALLS THAT HAVE VERTICAL REINFORCING STEEL OF SIZE 20 OR GREATER.
- UNLESS OTHERWISE NOTED IN SCHEDULE, PROVIDE REINFORCING & DOWELS AS PER TABLE 2 FOR ALL WALLS.
- H.E.F. – DENOTES HORIZONTAL EACH FACE
V.E.F. – DENOTES VERTICAL EACH FACE
V.E.E. – DENOTES VERTICAL EACH END
V.A.E. – DENOTES VERTICAL NORTH END
V.S.E. – DENOTES VERTICAL SOUTH END
- REFER TO MECHANICAL DWGS. FOR MECHANICAL WALL OPENINGS.
- REFER TO ARCHITECTURAL DRAWINGS FOR WALL LENGTHS.
- REFER TO TYPICAL DETAILS ON DRAWINGS S-002 TO S-00X.
- REFER TO GENERAL NOTES ON DRAWING S-001.
- UNLESS NOTED OTHERWISE, PROVIDE COLUMN OR WALL DOWELS TO MATCH VERTICAL REINFORCING GIVEN IN SCHEDULE. PROVIDE LAP SPICES AND DEVELOPMENT LENGTHS AS PER TABLE 3.
- CONCRETE EXPOSED TO VEHICULAR TRAFFIC SHALL HAVE 6% TO 8% EXTRACTED AIR AND SHALL BE PROPORTIONED FOR C-1 EXPOSURE CONDITIONS.

WALL THICKNESS	DIRECTION	WALL EXPOSED OR ENCLOSED BOTH SIDES	WALL EXPOSED ONE SIDE EXPOSED SIDE	WALL EXPOSED ONE SIDE ENCLOSED SIDE
150mm	HORIZ.	10 Φ 270 (1 LAYER)	10 Φ 270 (1 LAYER)	
	VERT.	10 Φ 400 EA. FACE	10 Φ 300	10 Φ 450
200mm	HORIZ.	10 Φ 400 EA. FACE	10 Φ 300	10 Φ 450
	VERT.	10 Φ 300 EA. FACE	10 Φ 240	10 Φ 450
250mm	HORIZ.	10 Φ 350 EA. FACE	10 Φ 240	10 Φ 450
	VERT.	10 Φ 270 EA. FACE	10 Φ 200	10 Φ 400
300mm	HORIZ.	15 Φ 450 EA. FACE	15 Φ 340	15 Φ 450
	VERT.	15 Φ 450 EA. FACE	15 Φ 340	15 Φ 450
400mm	HORIZ.	15 Φ 400 EA. FACE	15 Φ 300	15 Φ 450
	VERT.	15 Φ 400 EA. FACE	15 Φ 300	15 Φ 450
450mm	HORIZ.	15 Φ 350 EA. FACE	15 Φ 260	15 Φ 450
	VERT.	15 Φ 350 EA. FACE	15 Φ 260	15 Φ 450

NOTE: SIZE AND SPACING OF DOWELS TO BE SAME AS VERTICAL REINF. IN WALL

LAP SPICE LENGTHS IN COLUMN & WALLS AND DEVELOPMENT LENGTHS IN CAPS & FOOTINGS									
DATA	BAR SIZE	10	15	20	25	30	35	40	
$\frac{f_y}{f_{yk}} = 0.85$ $\frac{f_{yk}}{f_{yk}} = 1.0$ $\frac{f_{yk}}{f_{yk}} = 1.0$	TENSION	LAP SPICE	550	820	1090	1360	1630	1900	2390
	DEVELOPMENT	420	630	840	1050	1260	1470	1680	
	COMPRESSION	LAP SPICE	300	450	590	730	870	1010	1340
$\frac{f_y}{f_{yk}} = 0.85$ $\frac{f_{yk}}{f_{yk}} = 1.0$ $\frac{f_{yk}}{f_{yk}} = 1.0$	TENSION	LAP SPICE	480	740	880	1020	1160	1300	
	DEVELOPMENT	380	570	720	870	1020	1170		
	COMPRESSION	LAP SPICE	300	450	590	730	870	1010	
$\frac{f_y}{f_{yk}} = 0.85$ $\frac{f_{yk}}{f_{yk}} = 1.0$ $\frac{f_{yk}}{f_{yk}} = 1.0$	TENSION	LAP SPICE	450	670	800	930	1060	1190	
	DEVELOPMENT	350	520	630	740	850	960		
	COMPRESSION	LAP SPICE	300	450	590	730	870	1010	
$\frac{f_y}{f_{yk}} = 0.85$ $\frac{f_{yk}}{f_{yk}} = 1.0$ $\frac{f_{yk}}{f_{yk}} = 1.0$	TENSION	LAP SPICE	420	630	830	1030	1230	1430	
	DEVELOPMENT	320	480	640	800	960	1120		
	COMPRESSION	LAP SPICE	300	450	590	730	870	1010	
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	DEVELOPMENT	280	420	540	660	780	900		
	COMPRESSION	LAP SPICE	300	450	590				

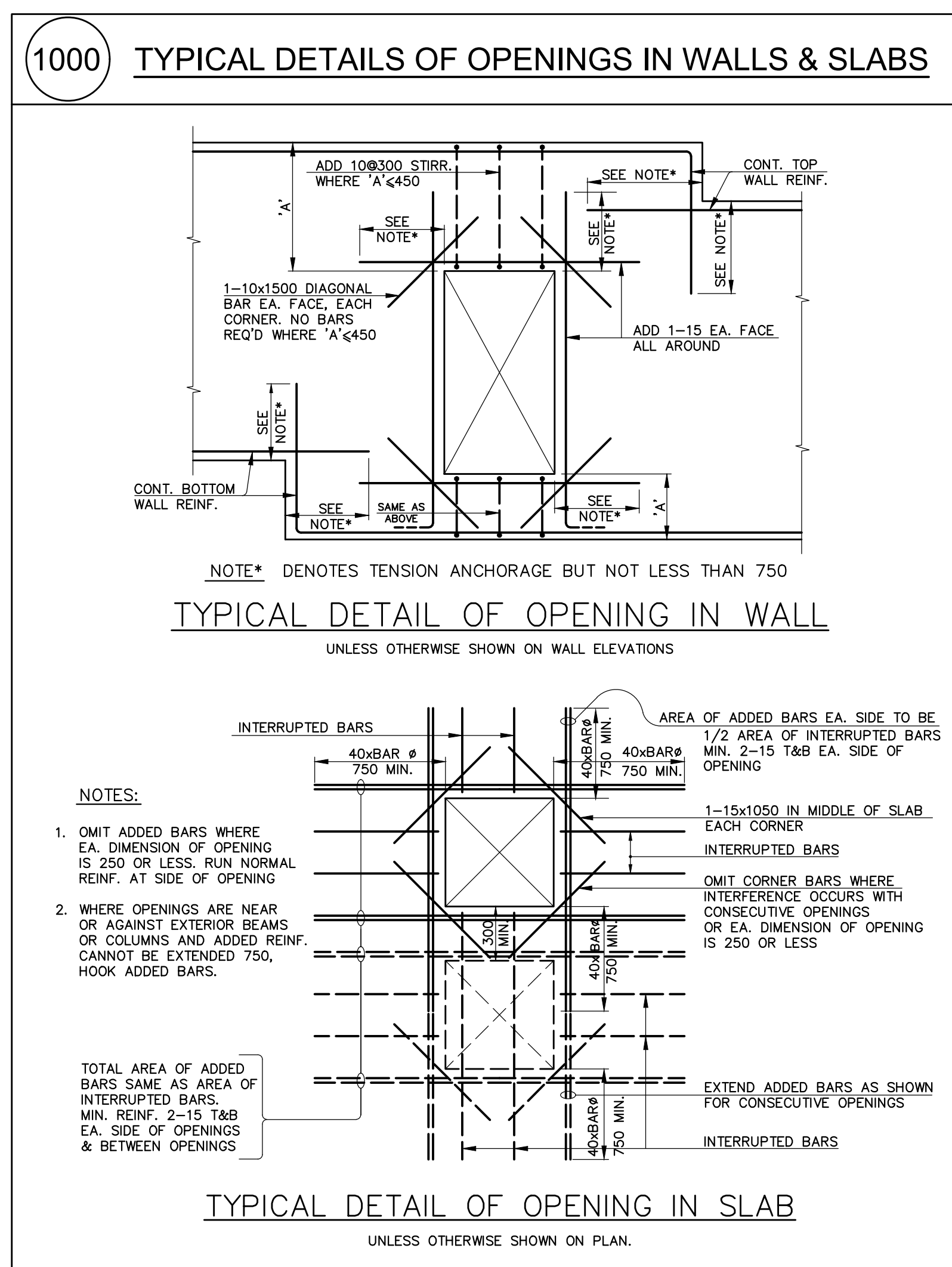


1103 TYPICAL STEEL LINTELS IN NON-LOAD BEARING MASONRY WALLS

MAX. CLEAR SPAN	200	250	300	315	365
1200	2LS - 90x90x8 SEE ARCH. DWG.	1 L-90x90x8 2 L-125x90x8 (LLH) 3 L-90x90x8	3LS - 90x90x8	1 L-100x100x8 2 L-100x100x8 3 L-90x90x8	1 L-100x100x8 2 L-150x100x8 (LLH) 3 L-90x90x8
1800	2LS - 100x90x8 (LLV)	1 L-100x90x8 (LLV) 2 L-125x125x8	3LS - 100x90x8 (LLV)	1 L-100x100x8 2 L-100x100x8 3 L-100x90x8 (LLV)	1 L-100x100x8 2 L-150x100x8 (LLH) 3 L-100x100x8
2400	2LS - 125x90x8 (LLV)	1 L-125x90x8 (LLV) 2 L-125x125x10	3LS - 125x90x8 (LLV)	1 L-125x90x8 (LLV) 2 L-125x90x8 (LLV) 3 L-125x90x8 (LLV)	1 L-125x90x8 (LLV) 2 L-150x100x8 (LLH) 3 L-125x90x8 (LLV)
3000	2LS - 125x100x10 (LLV)	1 L-150x100x10 (LLV) 2 L-150x150x10	3LS - 150x100x10 (LLV)	1 L-150x100x10 (LLV) 2 L-150x100x10 (LLV) 3 L-150x100x10 (LLV)	1 L-150x100x10 (LLV) 2 L-150x100x10 (LLV) 3 L-150x100x10 (LLV)

NOTES:

- FOR 150 WALL USE 2 OF 250 WALL ABOVE.
- MIN. END BEARING FOR LINTELS SHALL BE 150mm.
- BACK TO BACK ANGLES SHALL BE BOLTED OR WELDED TOGETHER WHEN CLEAR SPAN EXCEEDS 1800mm.
- ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.
- PROVIDE L-90x90x10 WELDED TO STEEL COLUMN OR BOLTED TO CONCRETE COLUMN OR WALL TO SUPPORT LINTEL WHERE OPENING ABUTS COLUMN OR WALL.
- STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA G40.21-04, 300W.



1102 LINTEL SCHEDULE

MAXIMUM CLEAR SPAN	BLOCK LINTEL	STEEL LINTEL FOR EXTERIOR WALL
2000	FOR INTERIOR WALL 1-15 CONT. 90 OR 140	L-102x102x8
2400	FOR INTERIOR WALL 2-15 CONT. 190	L-102x102x8 L-51x51x4.8
2400	FOR EXTERIOR & CAVITY WALL 2-15 CONT. 190	L-152x102x8 (LLV) L-51x51x4.8
3000	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100#40 STIRRUPS 2-20 CONT. 190	L-152x102x10 (LLV) L-51x51x4.8
3600	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100#40 STIRRUPS 2-25 CONT. 190	L-203x102x13 (LLV) L-51x51x4.8

NOTES:

- MINIMUM END BEARING FOR LINTELS SHALL BE 200mm.
- CONCRETE FILL SHALL BE f_c = 25MPa.
- PROVIDE TEMPORARY SHORING TO SUPPORT MASONRY OVER OPENINGS UNTIL CONCRETE HAS DEVELOPED FULL STRENGTH.

NOTES:

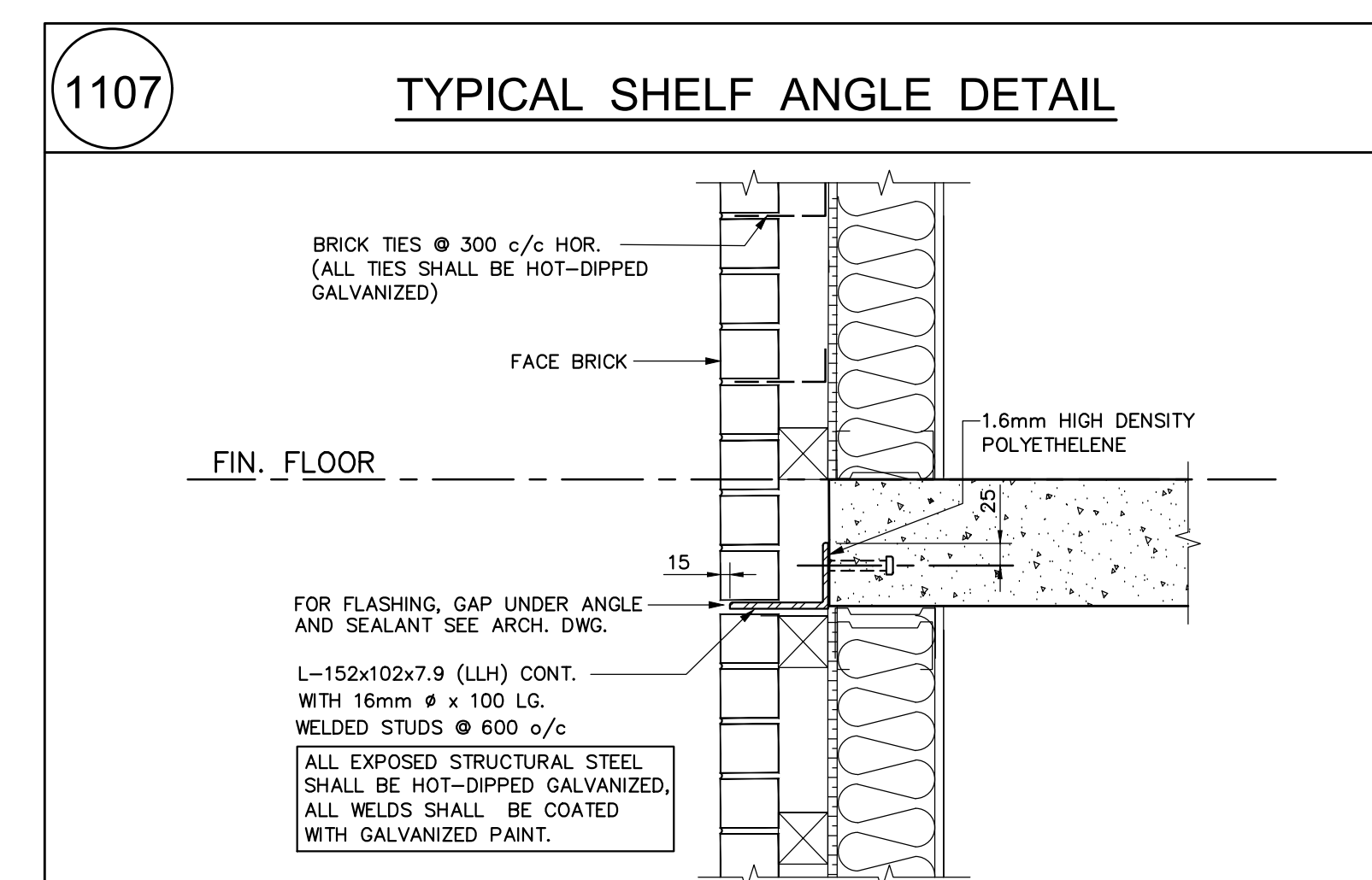
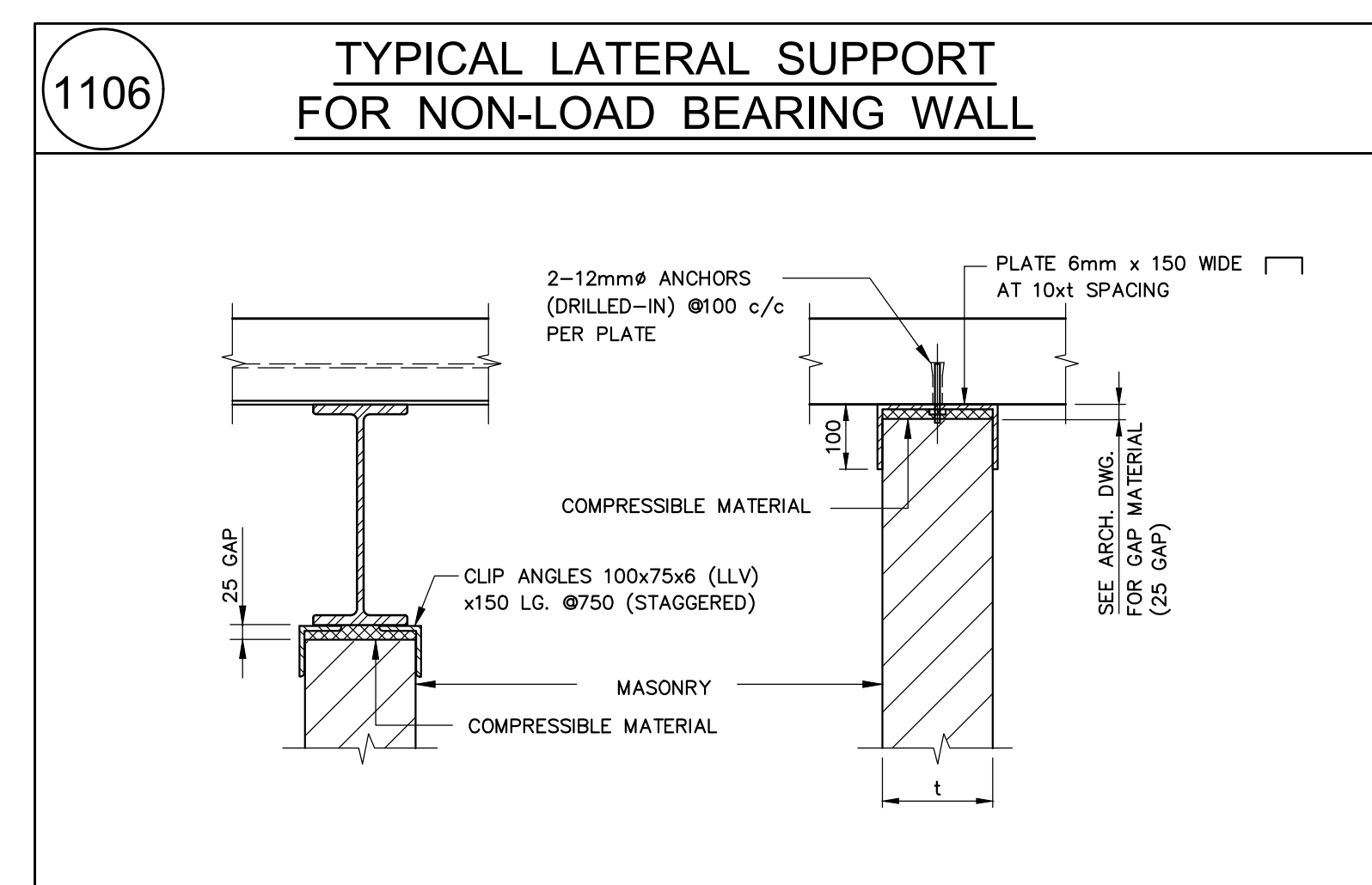
- MINIMUM END BEARING FOR LINTELS SHALL BE 150mm.
- ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED.
- STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA G40.21-04, 300W.

1104 STEEL LINTELS FOR NON-LOAD BEARING WALLS OF HOLLOW CONCRETE BLOCK (ANY AGGREGATE)

STEEL ANGLES	90	140	190	240	290
1200	2LS - 51x38x4.8LLV.	2LS - 64x64x6.4	2LS - 89x76x6.4LLV.	1L - 102x76x6.4LLH. 1L - 127x76x6.4LLH.	3LS - 89x76x6.4LLH.
1600	2LS - 51x38x4.8(LLV).	2LS - 64x64x6.4	2LS - 89x76x6.4LLV.	1L - 102x76x6.4LLH. 1L - 127x76x6.4LLH.	3LS - 89x76x6.4LLH.
2000		2LS - 89x64x6.4LLV.	2LS - 89x89x6.4	1L - 102x89x7.9LLH. 1L - 127x76x7.9LLH.	3LS - 89x76x6.4LLH.
2400		2LS - 89x64x9.5LLV.	2LS - 127x89x6.4LLV.	1L - 152x102x7.9LLV. 1L - 127x127x7.9	3LS - 127x89x6.4LLV.

NOTES:

- STRUCTURAL STEEL MATERIALS SHALL BE CAN/CSA C40.21-04 300W.
- MINIMUM BEARING LENGTH FOR LINTELS SHALL BE 150mm.
- CONNECT ANGLES AT 600 mm c/c BY WELDING OR BOLTING FOR ANGLES WITH A TOTAL LENGTH OF 1800mm OR MORE.
- PROVIDE L-90x90x10 WELDED TO STEEL COLUMN OR BOLTED TO CONCRETE COLUMN OR WALL TO SUPPORT LINTEL WHERE OPENING ABUTS COLUMN OR WALL.
- ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.

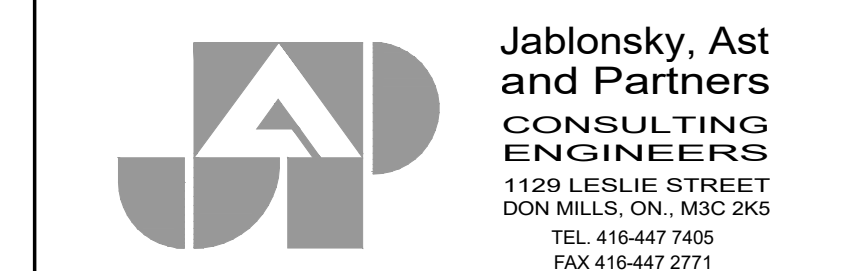


ISSUES

No.	DATE	DESCRIPTION
1.	2019-08-02	ISSUED FOR TENDER
2.	2020-09-28	ISSUED FOR PERMIT
3.	2021-03-01	ISSUED FOR PERMIT BUILDINGS A, B, C, D
4.	2021-03-25	ISSUED FOR PROGRESSIVE CONSTRUCTION
5.	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D

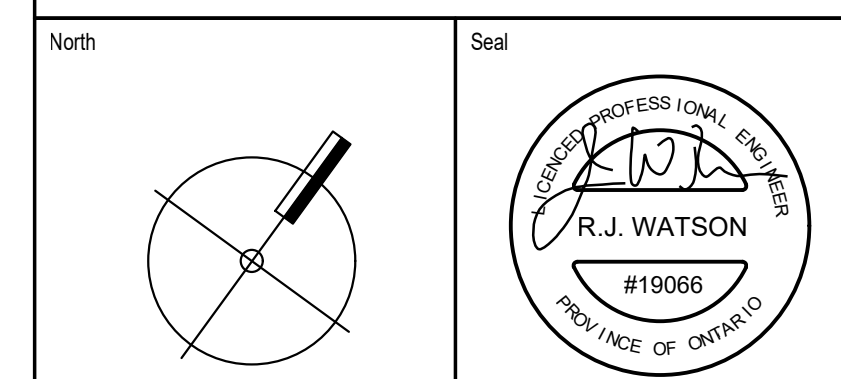
REVISIONS

No.	DATE	DESCRIPTION
1.	2019-08-02	ISSUED FOR TENDER
2.	2020-09-28	ISSUED FOR PERMIT
3.	2021-03-01	ISSUED FOR PERMIT BUILDINGS A, B, C, D
4.	2021-03-25	ISSUED FOR PROGRESSIVE CONSTRUCTION
5.	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D



Job Title: **FORETSIDE TOWNHOUSES**
TORONTO, ONTARIO

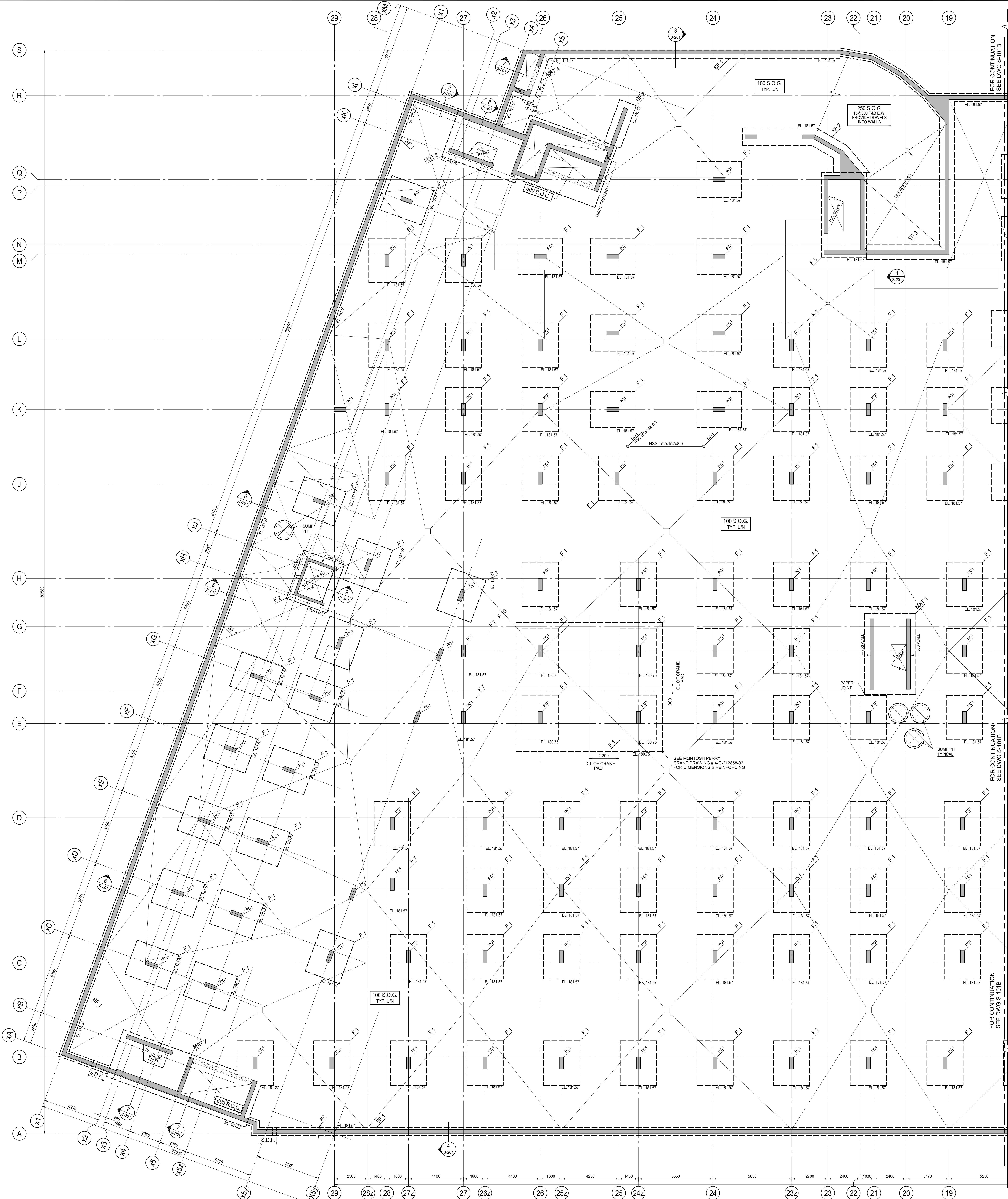
TYPICAL DETAILS



Date Plotted:	Date:	Mar 31 2021
Drawn By:	Scale:	N.T.S.
Checked By:	Revision Number:	
Job No:	Sheet No:	

19066

S-004



P1 LEVEL FOUNDATION PLAN

SCALE 1:100

- FOOTINGS SHALL BE CARRIED DOWN TO BEAR ON NATURAL UNDISTURBED (SHALE, TILL, SOIL) CAPABLE OF SAFELY SUSTAINING A BEARING CAPACITY OF 300 kPa (SL) & 450 kPa (ULS). UNLESS NOTED ON PLAN, AS PER ON GEOTECHNICAL REPORT 20-065-100 PREPARED BY DS CONSULTANTS LTD. DATED JUNE 16, 2020.
- TOP OF ROUGH SLAB IS 9mm BELOW FINISHED FLOOR (DATUM EL. XXX.XXX) EXCEPT AS CROSSED AND NOTED ON PLAN.
- TOP OF FOOTINGS TO BE 300mm (MIN.) FROM FINISHED SLAB ON GRADE. UNDERSIDE OF FOOTING ELEVATION IS NOTED AS EL.XXX.XXX ON PLAN.
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:
FOR FOOTINGS & FOOTING CAPS 35 MPa, EXCEPT AS NOTED ON PLAN.
FOR PERIMETER FOUNDATION WALLS 35 MPa, EXPOSURE CLASS F2
FOR SLAB ON GRADE 25 MPa, EXPOSURE CLASS C4
FOR COLUMNS & SHEAR WALLS SEE COLUMN & WALL SCHEDULE
- CONCRETE EXPOSED TO DE-ICING CHEMICALS AND OR WEATHER SHALL HAVE 6% TO 8% ENTRAINED AIR.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- SLAB ON GRADE SHALL BE 100mm THICK, REINFORCED WITH FIBRILLATED POLYPROPYLENE FIBRES, UNLESS OTHERWISE NOTED ON PLAN.
- PROVIDE 100mm OF RIGID INSULATION UNDER SLAB ADJACENT TO AIR SHAFTS FOR A DISTANCE OF 1500mm FROM SHAFTS. (TYPICAL).
- S.D.F. - DENOTES STEP DOWN FOOTING.
- SEE GENERAL NOTES ON DRAWING S-001.
- SEE TYPICAL DETAILS ON S-000 SERIES DRAWINGS.
- SEE COLUMN & WALL SCHEDULE ON THIS DRAWING.
- REFER TO ARCH. DRAWINGS FOR EXACT SLOPES OF SLAB AND DRAIN LOCATIONS. SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE, LOCATION AND EXTENT OF CURBS. SEE TYPICAL DETAILS FOR CURB REINFORCEMENT.
- VERIFY ELEVATOR PIT DEPTH WITH ELEVATOR MANUFACTURER.
- SEE TYPICAL DETAILS FOR FOOTINGS AT PREFAB SUMP PITS.
- SEE MECHANICAL DRAWINGS FOR LOCATION, SIZE AND DEPTHS OF SUMP PITS. LOWER FOOTINGS AS NECESSARY.
- CENTRE LINE OF FOOTING SHALL BE CENTER LINE OF COLUMN OR SHEAR WALL UNLESS OTHERWISE NOTED ON PLAN.
- THE LONGEST DIMENSION OF THE FOOTING IS PARALLEL TO THE LONGEST DIMENSION OF THE COLUMN UNLESS NOTED ON PLAN.
- PROJECT ALL FOOTINGS 300 (MIN.) BEYOND FACE OF COLUMN OR SHEAR WALL UNLESS NOTED ON PLAN.
- BPL-1 - 150x150 DENOTES ELEVATOR DIVIDER BEAM BASE PLATE WITH 2x19mm@ NELSON STUD. x 150LG., EACH END.

15@800V FOR NON-LOAD BEARING BLOCK WALLS & DOWEL INTO SLAB ON GRADE

COLUMN PC1 = 300x800
10-20V
+10@300 TIES

WALLS = 200 THICK
10@400H&V E.F.
+ ADD 2-20H TOP

300 THICK
10@270H&V E.F.
+ ADD 2-20H TOP

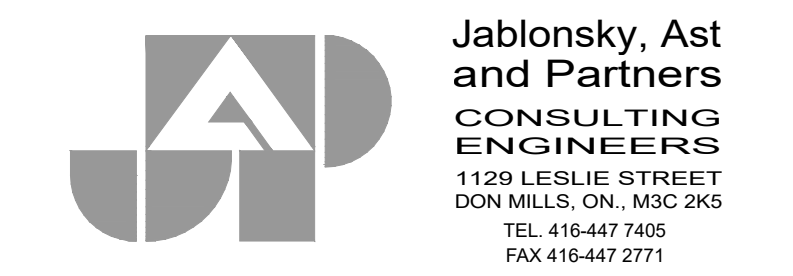
ISSUES

No.	DATE	DESCRIPTION
1.	2019-08-02	ISSUED FOR TENDER
2.	2019-09-12	ISSUED FOR TENDER ADDENDUM #2
3.	2020-01-31	ISSUED FOR TENDER ADDENDUM #3
4.	2020-05-07	ISSUED FOR TENDER ADDENDUM #4
5.	2020-09-28	ISSUED FOR PERMIT
6.	2021-01-08	ISSUED FOR TENDER ADDENDUM #5
7.	2021-02-22	ISSUED FOR TENDER ADDENDUM #6
8.	2021-03-03	ISSUED FOR PERMIT BUILDINGS A, B, C, D
9.	2021-03-25	ISSUED FOR PROGRESSIVE CONSTRUCTION
10.	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D

REVISIONS

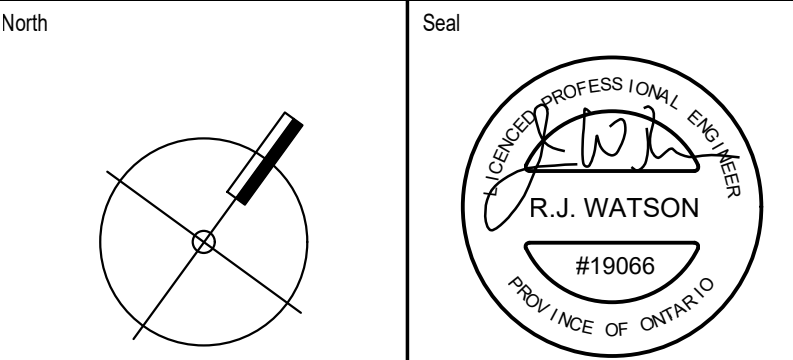
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME REPORTING ANY DISCREPANCIES TO THE ARCHITECT BEFORE COMMENCING THE WORK.

PRINTS ARE NOT TO BE SCALED.

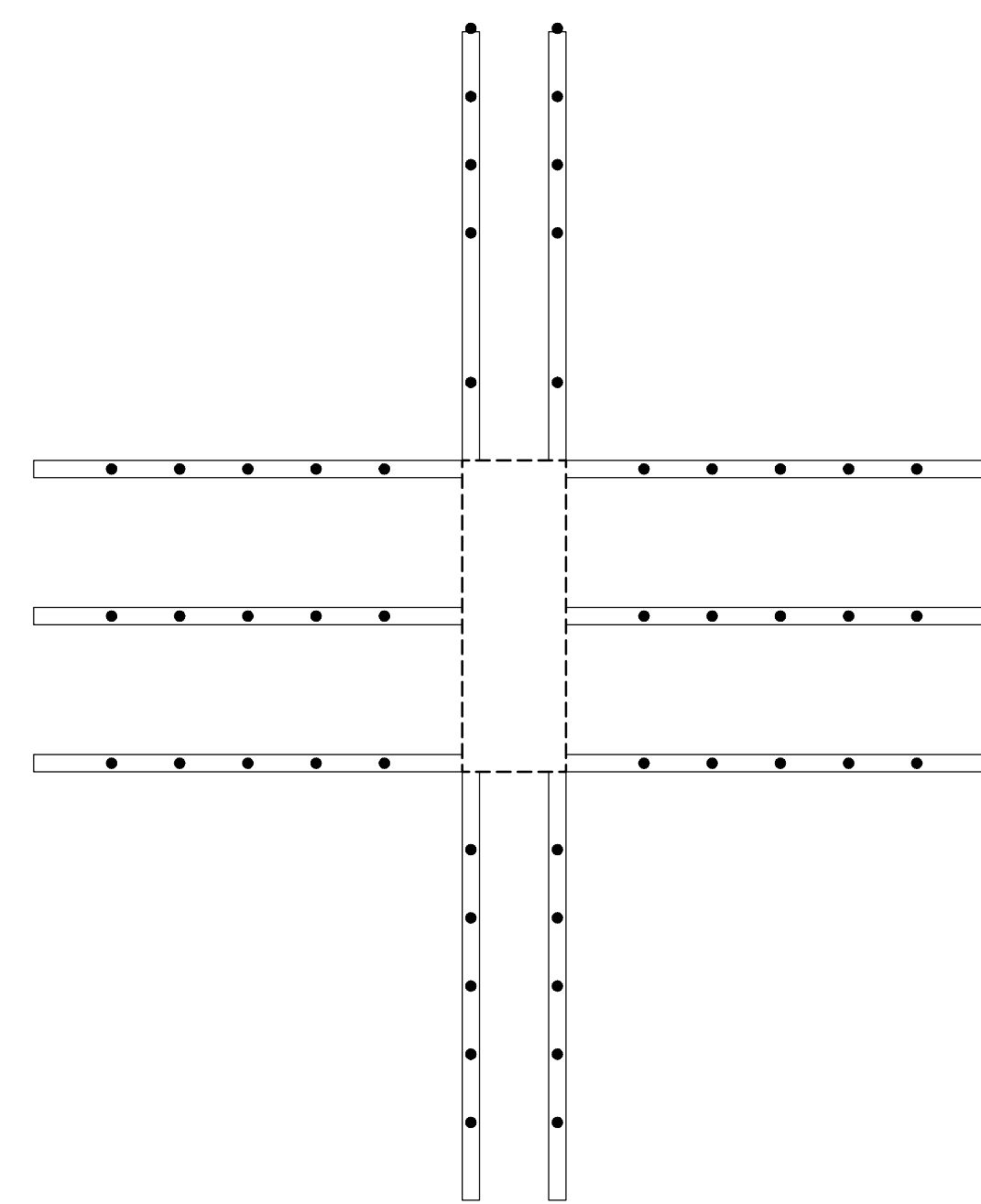


FORETSIDE TOWNHOUSES
TORONTO, ONTARIO

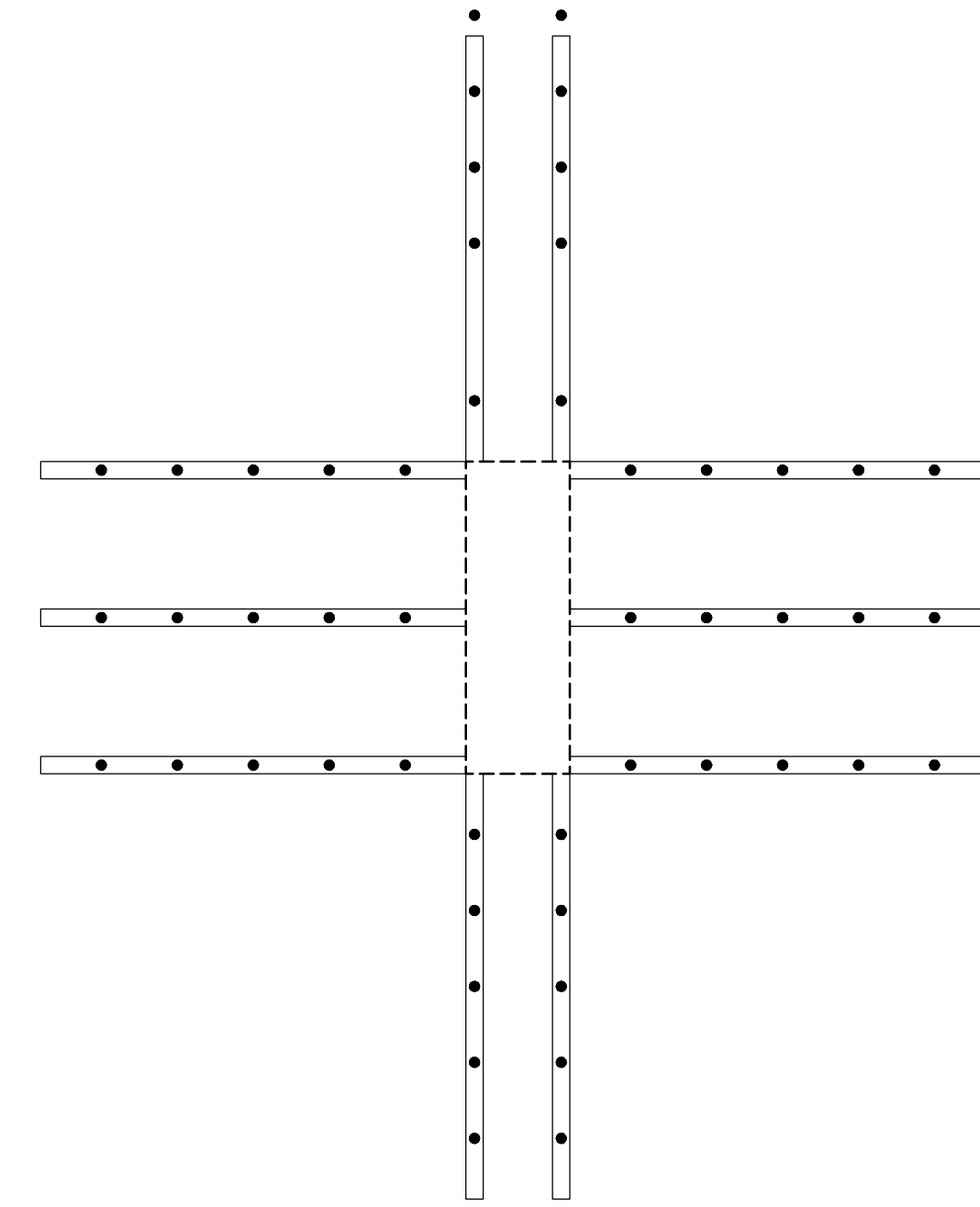
P1 UNDERGROUND WEST AREA



Date Plotted: Mar 31 2021
Drawn By: ND
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Job No: 19066
Scale: 1 : 100
Revision Number:
Sheet No: S-101A



DETAIL A
SCALE 1:20



DETAIL B
SCALE 1:20 S-102A

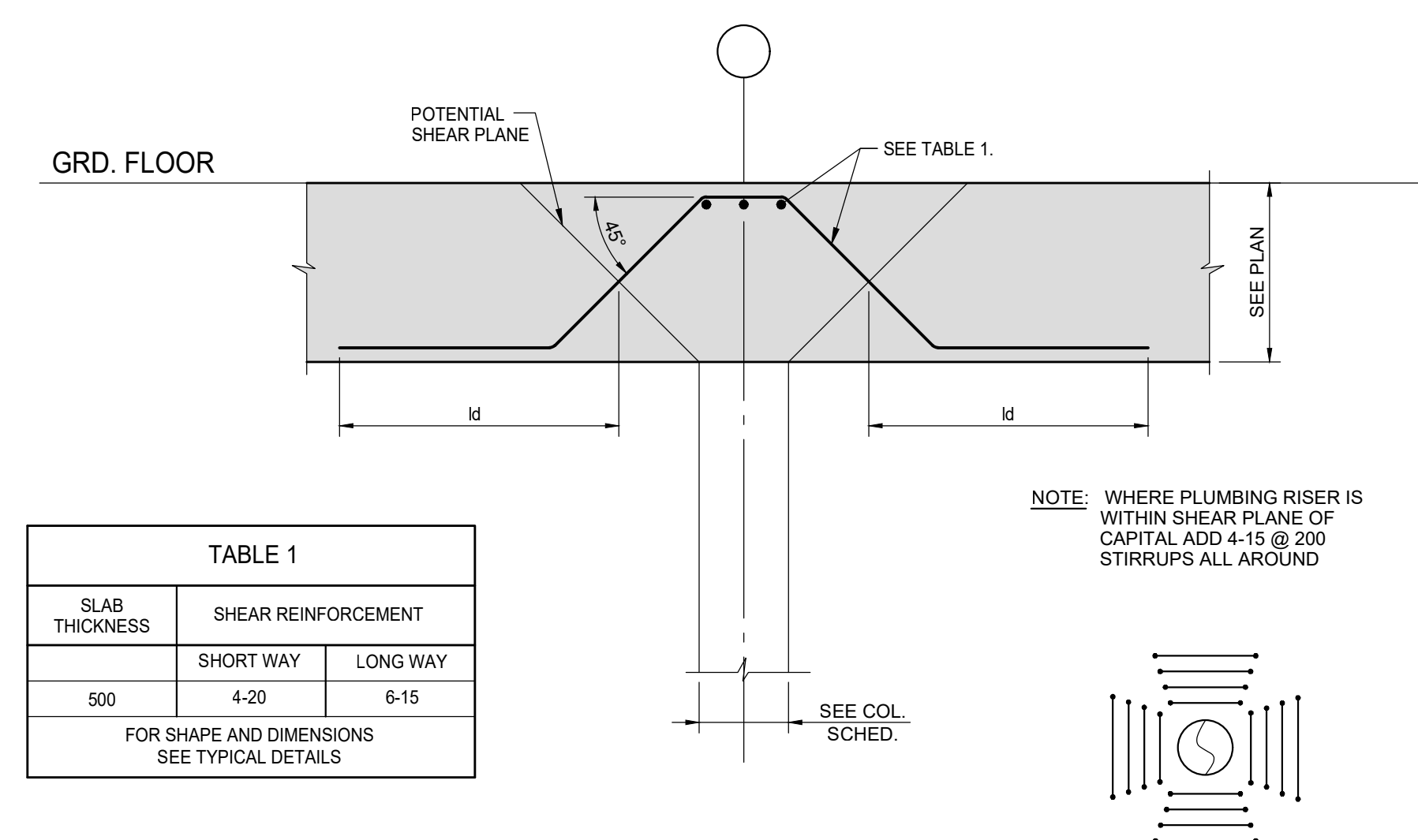


TABLE 1		
SLAB THICKNESS	SHEAR REINFORCEMENT	
	SHORT WAY	LONG WAY
500	4-20	6-15
FOR SHAPE AND DIMENSIONS SEE TYPICAL DETAILS		

SCALE 1:100

1. TOP OF ROUGH SLAB IS 0.1mm Below FINISHED FLOOR (DATUM EL. XXXXX) EXCEPT AS CROSSED AND NOTED ON PLAN.
2. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:

FOR WALLS AND COLUMNS _____ SEE SCHEDULE
FOR PICK-UP SLABS AND BEAMS _____ 35 MPa
FOR SLABS _____ 30 MPa
FOR LIVE LOADS SEE TABLE 'X' ON THIS DRAWING.
3. CONCRETE EXPOSED TO DE-ICING CHEMICALS SHALL BE EXPOSURE CLASS 'C' WITH 6% TO 8% ENHANCED AIR AND CORROSION INHIBITOR AT A MINIMUM RATE OF 10 LITERS PER CUBIC METER.
4. PORTIONS OF THE GARAGE ROOF SLAB ACCESSIBLE TO HEAVY TRUCK LOADING AND FIRE RISK, HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS ON THE ONTARIO BUILDING AND FIRE SAFETY BRIDGE DESIGN CODE, INCLUDING POINT LOAD AND LOAD FACTORS. FOR THE FULL ANTICIPATED RISK OF TRAVEL.
5. MINIMUM CONCRETE COVER SHALL BE 40mm FOR ALL TOP BARS AND 30mm FOR BOTTOM BARS IN ALL VEHICULAR AREAS.
6. MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
7. TEMPERATURE REINFORCING:
200 SLAB IS 10@250
210 SLAB IS 10@250
400 SLAB IS 15@250
500 SLAB IS 20@300
8. NO OPENINGS LARGER THAN 300x300 ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS.
9. SEE GENERAL NOTES ON DRAWING 5-0.1.
10. SEE TYPICAL DETAILS SCHEDULE ON 5-0.00 SERIES DRAWING.
11. SEE COLUMN & WALL SCHEDULE ON THIS DRAWING.
12. COORDINATE BEAM DEPTHS AT DOORS WITH ARCHITECTURAL DRAWINGS.
13. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB ELEVATIONS, SLOPES, STEPS IN SLAB AND SLAB DENSITIES FOR REINFORCING.
14. SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE, LOCATION AND EXTENT OF CURBS. SEE TYPICAL DETAIL FOR REINFORCED CURB.
15. CENTER LINE OF DROP AND BEAM IS THE CENTER LINE OF COLUMN OR SHEAR WALL UNLESS OTHERWISE NOTED ON PLAN.
16. GRATING OVER AIR SHEATS AND SUPPORT FRAME SHALL BE DESIGNED FOR HEAVY TRUCK LOADING (144kPa) AND ASSOCIATED POINT LOADS IN ACCORDANCE WITH THE CANADIAN HAWKING BOARD DESIGN CODE. SHOP DRAWINGS SHALL CLEARLY INDICATE LONGING AND END VIEW DIMENSIONS AND SCALED BY PROFESSIONAL ENGINEER.
17. BPLN 1 - 150x10x150 DENOES AN ENVELOPE DIVIDER BEAM BASE PLATE WITH 2x10mm D NIPUL STUD 10 X 150 G. EACH END.

COLUMN = C1
300x800
6-20V
+10@300 TIES

C2A
200x650
6-20V
+10@300 TIES

C2B
200x500
6-20V
+10@300 TIES

C3
250x800
8-20V
+10@300 TIES

C4
200x300
4-20V
+10@300 TIES

WALLS = 200 THICK
10@400H&V E.F.
+ ADD 2-20H TOP

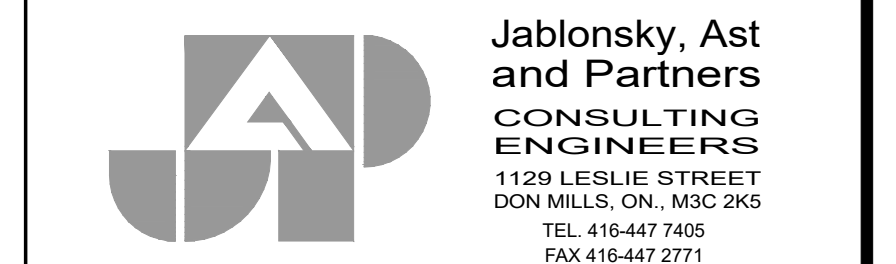
300 THICK
10@270H&V E.F.
+ ADD 2-20H TOP

No.	DATE	DESCRIPTION
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2	2019-09-26	ISSUED FOR TENDER ADDENDUM # 1
3	2019-09-12	ISSUED FOR TENDER ADDENDUM # 2
4	2020-01-31	ISSUED FOR TENDER ADDENDUM # 3
5	2020-05-07	ISSUED FOR TENDER ADDENDUM # 4
6	2020-09-28	ISSUED FOR PERMIT
7	2021-01-08	ISSUED FOR TENDER ADDENDUM # 5
8	2021-02-22	ISSUED FOR TENDER ADDENDUM # 6
9	2021-03-03	ISSUED FOR PERMIT BUILDINGS A, B, C, D
10	2021-03-25	ISSUED FOR PROGRESSIVE CONSTRUCTION
11	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D

REVISIONS

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME REPORTING ANY DISCREPANCIES TO THE ARCHITECT BEFORE COMMENCING THE WORK.

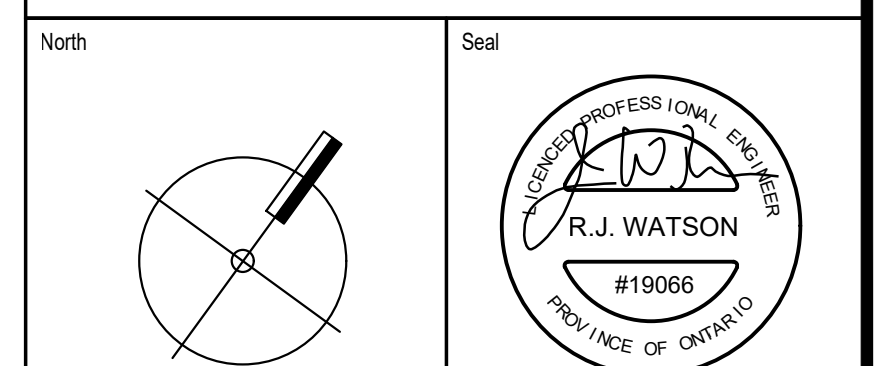
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Job Title
FORESTSIDE TOWNHOUSES
TORONTO, ONTARIO

Sheet Title

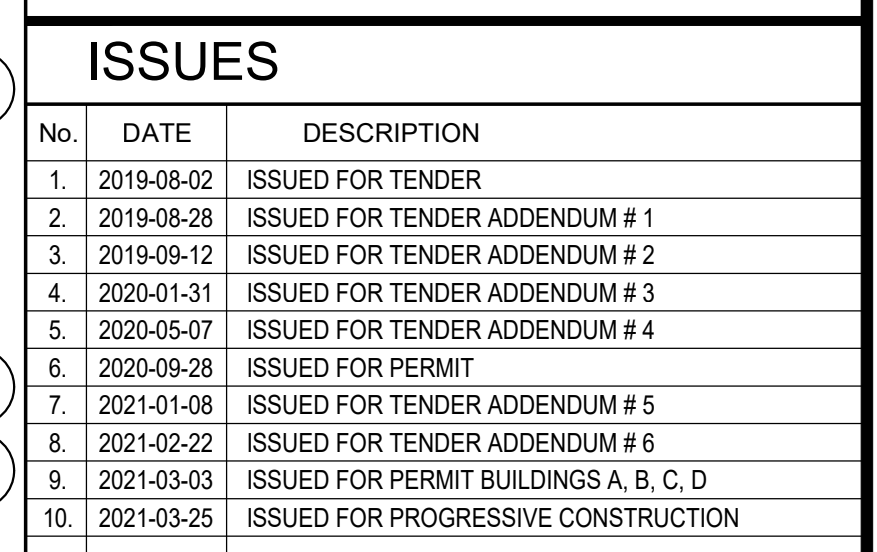
1ST FLOOR
BUILDING D



Date Plotted	Date : Mar 31 2021
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Checked By :	JW	Revision Number:
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19066	S-102A
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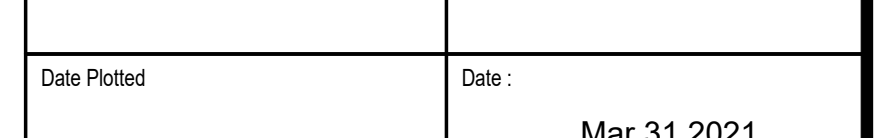
No.	DATE	DESCRIPTION
REVISIONS		

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Sheet Title

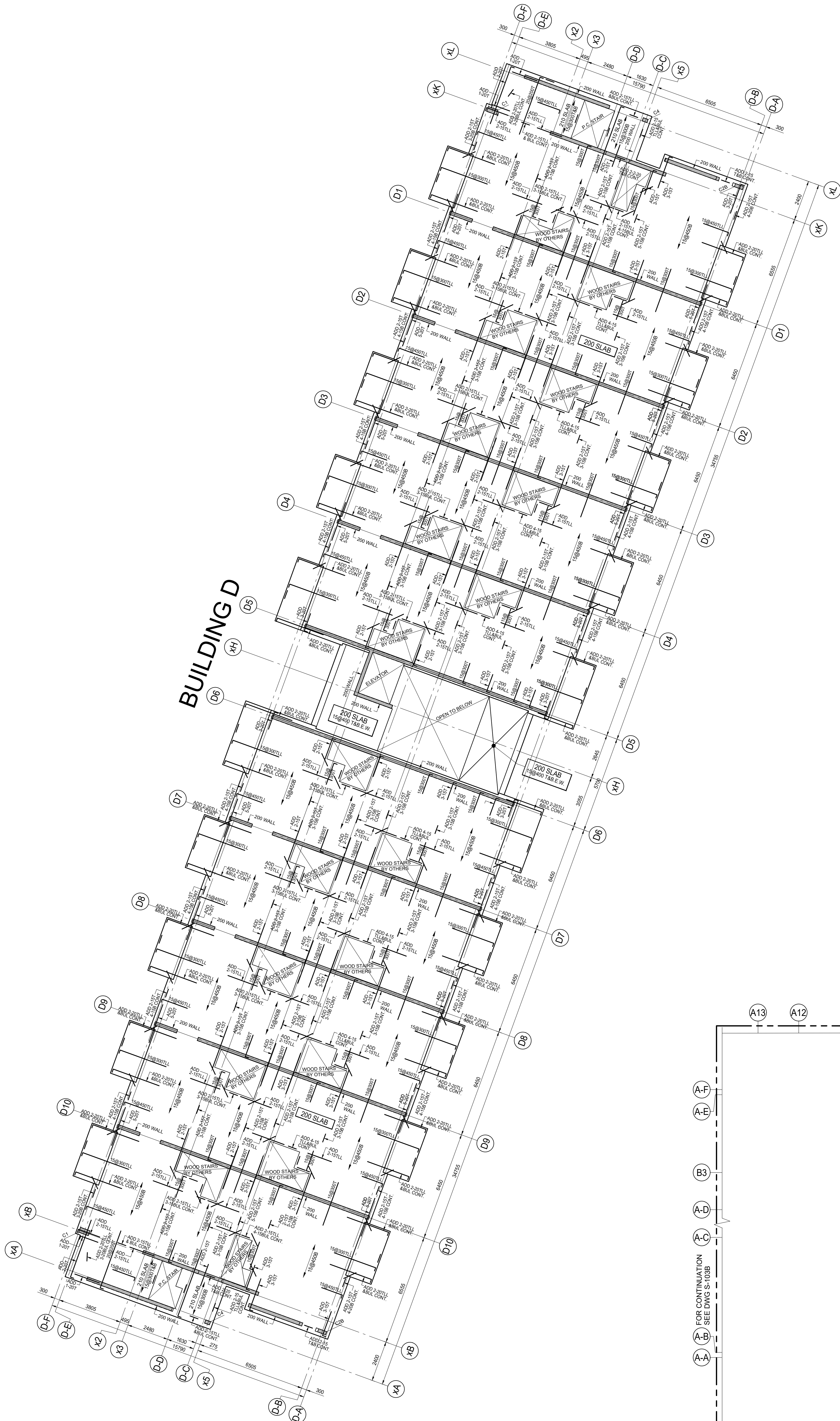
1ST FLOOR
BUILDINGS A, B, & C



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Checked By:		Reviewed By:	

Checked by : JW	Revision Number:
Job No :	Sheet No:

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Job No :	Sheet No:



FOR CONTINUATION
SEE DWG S-103B

FOR CONTINUATION
SEE DWG S-103B

A11 A12 A13
A-F
A-E
B3
A-D
A-C
A-B
A-A
FOR CONTINUATION
SEE DWG S-103B

COLUMN = C1
300x600
6-20V
+10@300 TIES
C2A
200x650
6-20V
+10@300 TIES
C2B
200x500
6-20V
+10@300 TIES
C3
250x800
8-20V
+10@300 TIES
C4
200x300
4-20V
+10@300 TIES

WALLS = 200 THICK
10@400H&V E.F.
+ ADD 2-20H TOP

300 THICK
10@270H&V E.F.
+ ADD 2-20H TOP

2ND FLOOR FRAMING PLAN

SCALE 1:100

- TOP OF ROUGH SLAB IS 0.0mm BELOW FINISHED FLOOR (DATUM EL. XXX-XXX) EXCEPT AS CROSSED AND NOTED ON PLAN.
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:
FOR WALLS AND COLUMNS SEE SCHEDULE
FOR SLABS 25 MPa
- CONCRETE STRENGTH EXPOSED TO WEATHER SHALL BE MIN 30 MPa WITH 6% TO 8% ENTRAINED AIR.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- TEMPERATURE REINFORCING:
200 SLAB IS 15@450
210 SLAB IS 10@250
- NO OPENINGS LARGER THAN 300mm x 300mm ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS.
- SEE GENERAL NOTES ON DRAWING S-001.
- SEE TYPICAL DETAILS DETAILS ON S-000 SERIES DRAWINGS.
- SEE COLUMN & WALL SCHEDULE ON THIS DRAWING.
- COORDINATE HEADER BEAM DEPTH AT DOOR OPENINGS WITH ARCHITECTURAL DRAWINGS.
- EXTEND TEMPERATURE REINFORCING TO END OF BALCONIES / OVERHANGS.
- TOP BARS TERMINATING AT EDGE OF SLAB TO HAVE 180 HOOK.
- REFER TO ARCHITECTURAL DRAWINGS FOR SLAB ELEVATIONS, SLOPES AND STEPS IN SLAB AND SLAB DEPRESSIONS.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE, LOCATION AND EXTENT OF CURBS. SEE TYPICAL DETAILS FOR REINFORCING.
- BPL1 - 150x10x150 DENOTES ELEVATOR DIVIDER BEAM BASE PLATE WITH 2x19mmØ NELSON STUD x 150LG. EACH END.

ISSUES

No.	DATE	DESCRIPTION
1.	2019-08-02	ISSUED FOR TENDER
2.	2019-08-28	ISSUED FOR TENDER ADDENDUM #1
3.	2020-01-31	ISSUED FOR TENDER ADDENDUM #3
4.	2020-05-07	ISSUED FOR TENDER ADDENDUM #4
5.	2020-09-28	ISSUED FOR PERMIT
6.	2021-01-08	ISSUED FOR TENDER ADDENDUM #5
7.	2021-02-22	ISSUED FOR TENDER ADDENDUM #6
8.	2021-03-03	ISSUED FOR PERMIT BUILDINGS A, B, C, D
9.	2021-03-25	ISSUED FOR PROGRESSIVE CONSTRUCTION
10.	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D

REVISIONS

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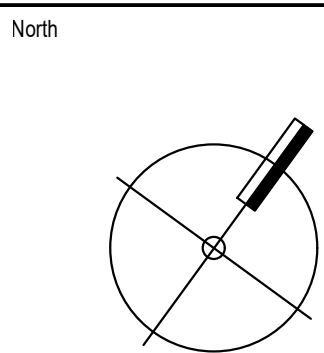
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Jablonsky, Ast
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1120 LESLIE STREET
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Job Title:
FORETSIDE TOWNHOUSES
TORONTO, ONTARIO

Sheet Title:
**2ND FLOOR
BUILDING D**



Date Plotted: Mar 31 2021

Drawn By: ND Scale: 1 : 100

Checked By: JW Revision Number:

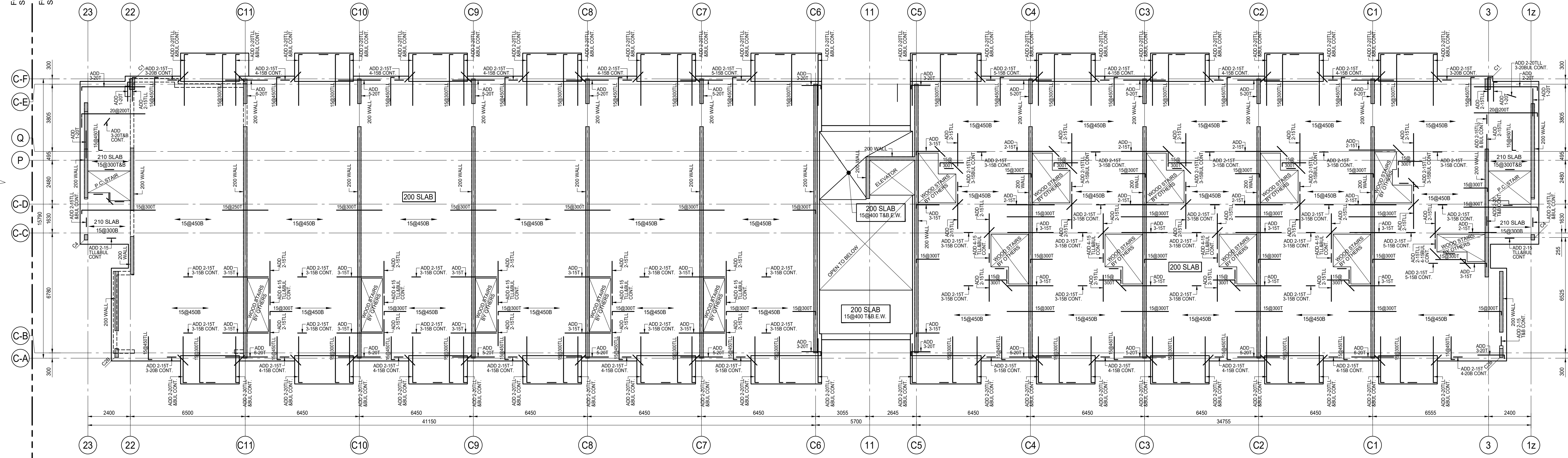
Job No: 19066 Sheet No: S-103A

FOR CONTINUATION
SEE DWG S-103B
FOR CONTINUATION
SEE DWG S-103A

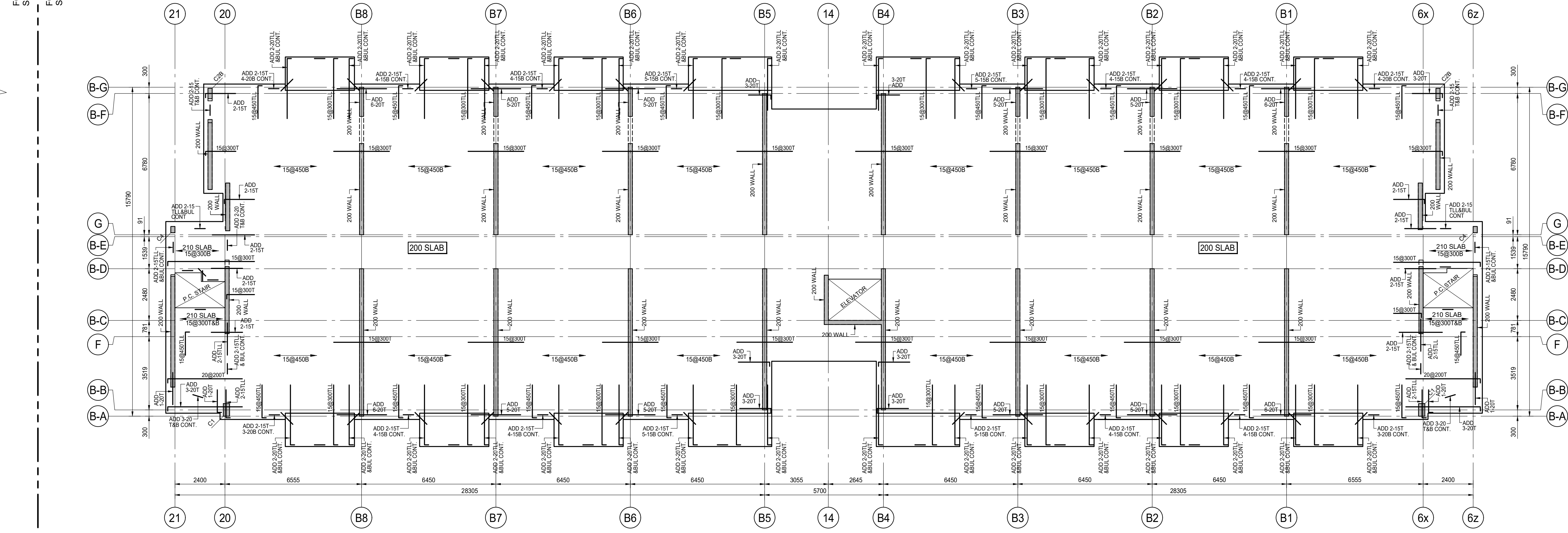
FOR CONTINUATION
SEE DWG S-103B
FOR CONTINUATION
SEE DWG S-103A

FOR CONTINUATION
SEE DWG S-103B
FOR CONTINUATION
SEE DWG S-103A

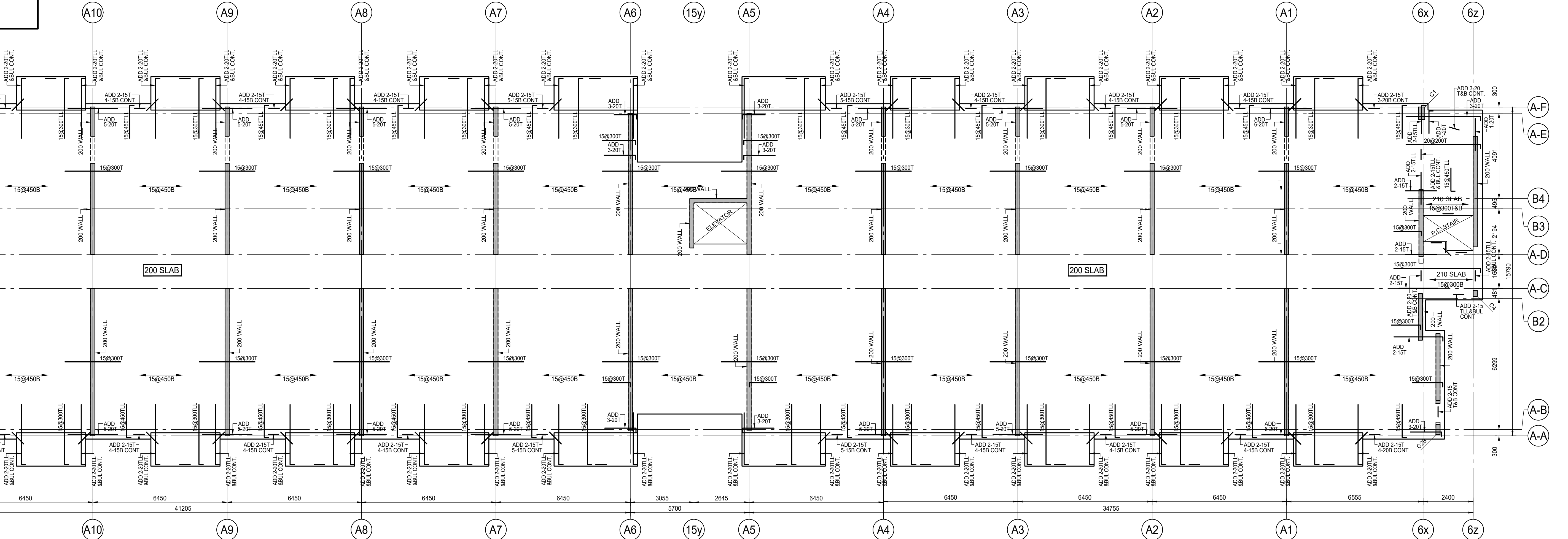
BUILDING C



BUILDING B



BUILDING A



2ND FLOOR FRAMING PLAN SCALE 1:100

1. FOR GENERAL NOTES, SEE DRAWING S-103A.

COLUMN - C1
300x600
6-20V
+10@300 TIES
C2A
200x450
6-20V
+10@300 TIES
C2B
200x500
6-20V
+10@300 TIES
C3
200x400
6-20V
+10@300 TIES
C4
200x300
6-20V
+10@300 TIES

WALLS = 200 THICK
10@400H/V E.F.
+ ADD 2-20H TOP

ISSUES

No.	DATE	DESCRIPTION
1.	2019-08-02	ISSUED FOR TENDER
2.	2019-08-28	ISSUED FOR TENDER ADDENDUM #1
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4.	2020-05-07	ISSUED FOR TENDER ADDENDUM #4
5.	2020-09-28	ISSUED FOR PERMIT
6.	2021-01-08	ISSUED FOR TENDER ADDENDUM #5
7.	2021-02-22	ISSUED FOR TENDER ADDENDUM #6
8.	2021-03-03	ISSUED FOR PERMIT BUILDINGS A, B, C, D
9.	2021-03-25	ISSUED FOR PROGRESSIVE CONSTRUCTION
10.	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D

REVISIONS

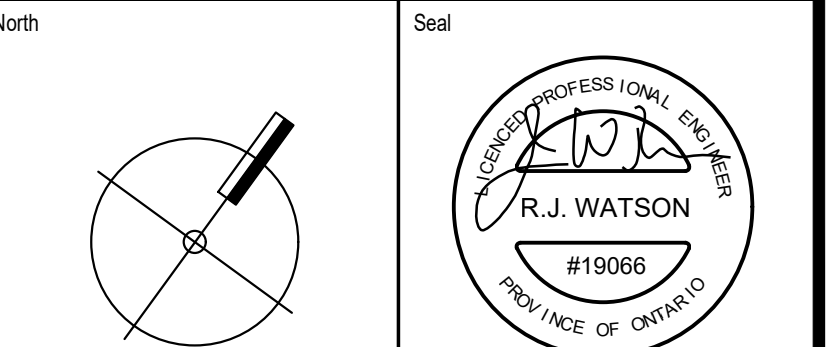
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Jablonsky, Ast and Partners
CONSULTING ENGINEERS
1120 LESLIE STREET
DON MILLS, ON, M3C 2K5
TEL: (416) 447-1400
FAX: (416) 447-2771

FORETSIDE TOWNHOUSES
TORONTO, ONTARIO

2ND FLOOR
BUILDINGS A, B, & C

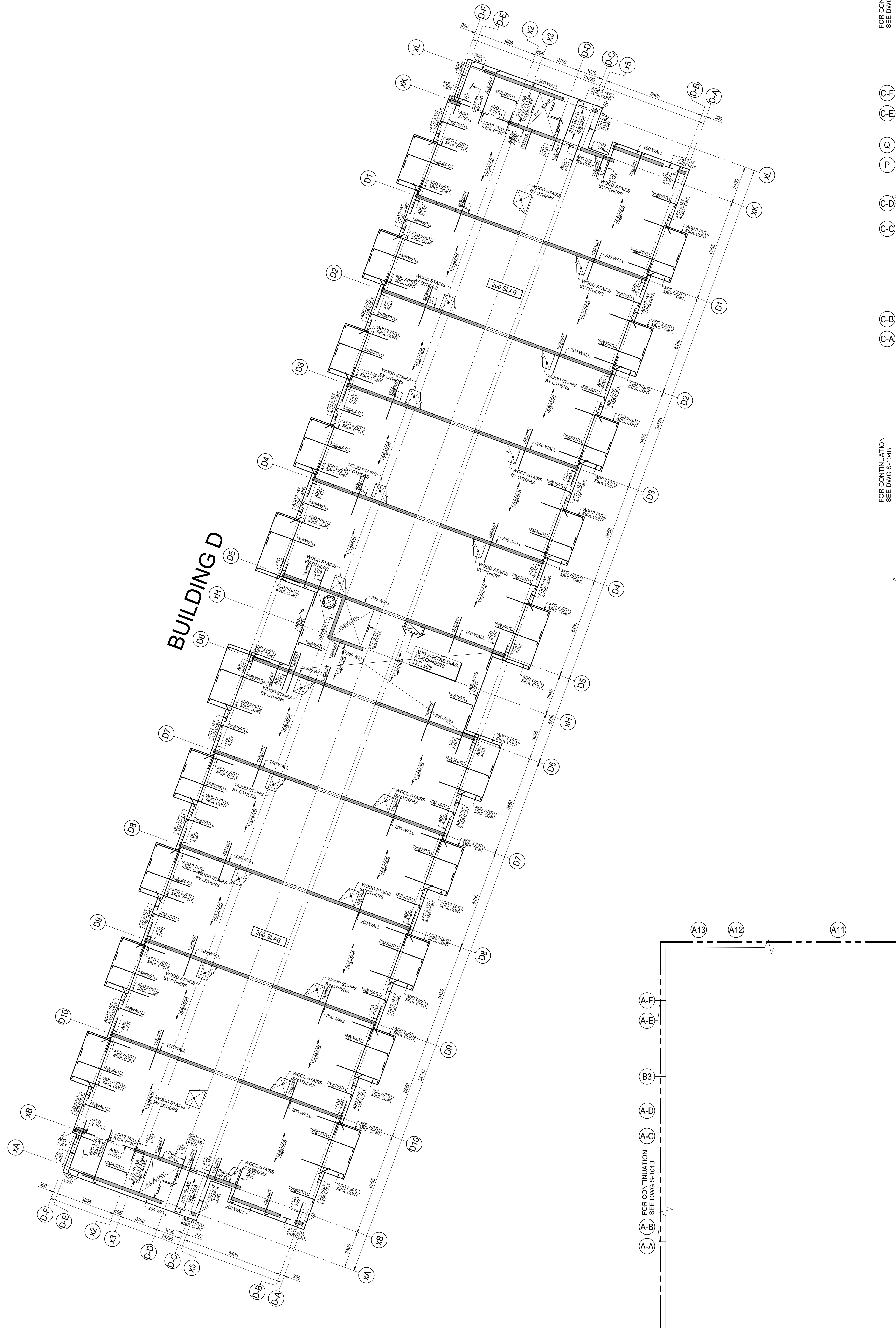


Date Plotted: Mar 31 2021

Drawn By: ND Scale: 1 : 100

Checked By: JW Revision Number:

Job No: 19066 Sheet No: S-103B



COLUMN = C1
300x600
6-20V
+10@300 TIES
C2A
200x650
6-20V
+10@300 TIES
C2B
200x500
6-20V
+10@300 TIES
C3
250x800
8-20V
+10@300 TIES
C4
200x300
4-20V
+10@300 TIES

WALLS = 200 THICK
10@400H&V E.F.
+ ADD 2-20# TOP

300 THICK
10@270H&V E.F.
+ ADD 2-20# TOP

3RD FLOOR FRAMING PLAN

SCALE 1:100

- TOP OF ROUGH SLAB IS 0.0mm BELOW FINISHED FLOOR (DATUM EL. XXX.XXX) EXCEPT AS CROSSED AND NOTED ON PLAN.
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:
FOR WALLS AND COLUMNS SEE SCHEDULE
FOR SLABS 25 MPa
- CONCRETE STRENGTH EXPOSED TO WEATHER SHALL BE MIN 30 MPa WITH 6% TO 8% ENTRAINED AIR.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- TEMPERATURE REINFORCING:
200 SLAB IS 15@450
210 SLAB IS 10@250
- NO OPENINGS LARGER THAN 300mm x 300mm ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS.
- SEE GENERAL NOTES ON DRAWING S-001.
- SEE TYPICAL DETAILS DETAILS ON S-000 SERIES DRAWINGS.
- SEE COLUMN & WALL SCHEDULE ON THIS DRAWING.
- COORDINATE HEADER BEAM DEPTH AT DOOR OPENINGS WITH ARCHITECTURAL DRAWINGS.
- EXTEND TEMPERATURE REINFORCING TO END OF BALCONIES / OVERHANGS.
- TOP BARS TERMINATING AT EDGE OF SLAB TO HAVE 180 HOOK.
- REFER TO ARCHITECTURAL DRAWINGS FOR SLAB ELEVATIONS, SLOPES AND STEPS IN SLAB AND SLAB DEPRESSIONS.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE, LOCATION AND EXTENT OF CURBS. SEE TYPICAL DETAILS FOR REINFORCING.
- BPL1 - 150x10x150 DENOTES ELEVATOR DIVIDER BEAM BASE PLATE WITH 2x19mmØ NELSON STUD x 150LG. EACH END.

ISSUES

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1.	2019-08-02	ISSUED FOR TENDER
2.	2019-09-28	ISSUED FOR TENDER ADDENDUM #1
3.	2020-01-31	ISSUED FOR TENDER ADDENDUM #3
4.	2020-05-07	ISSUED FOR TENDER ADDENDUM #4
5.	2020-09-28	ISSUED FOR PERMIT
6.	2021-02-22	ISSUED FOR TENDER ADDENDUM #6
7.	2021-03-03	ISSUED FOR PERMIT BUILDINGS A, B, C, D
8.	2021-03-25	ISSUED FOR PROGRESSIVE CONSTRUCTION
9.	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D

REVISIONS

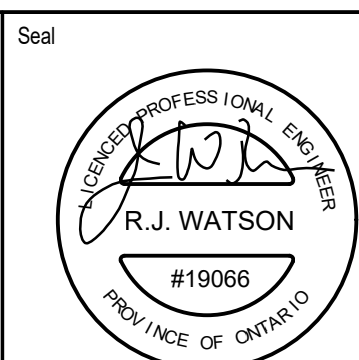
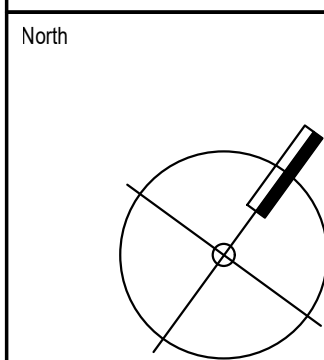
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME REPORTING ANY DISCREPANCIES TO THE ARCHITECT BEFORE COMMENCING THE WORK.

PRINTS ARE NOT TO BE SCALED.



FORETSIDE TOWNHOUSES
TORONTO, ONTARIO

3RD FLOOR BUILDING D

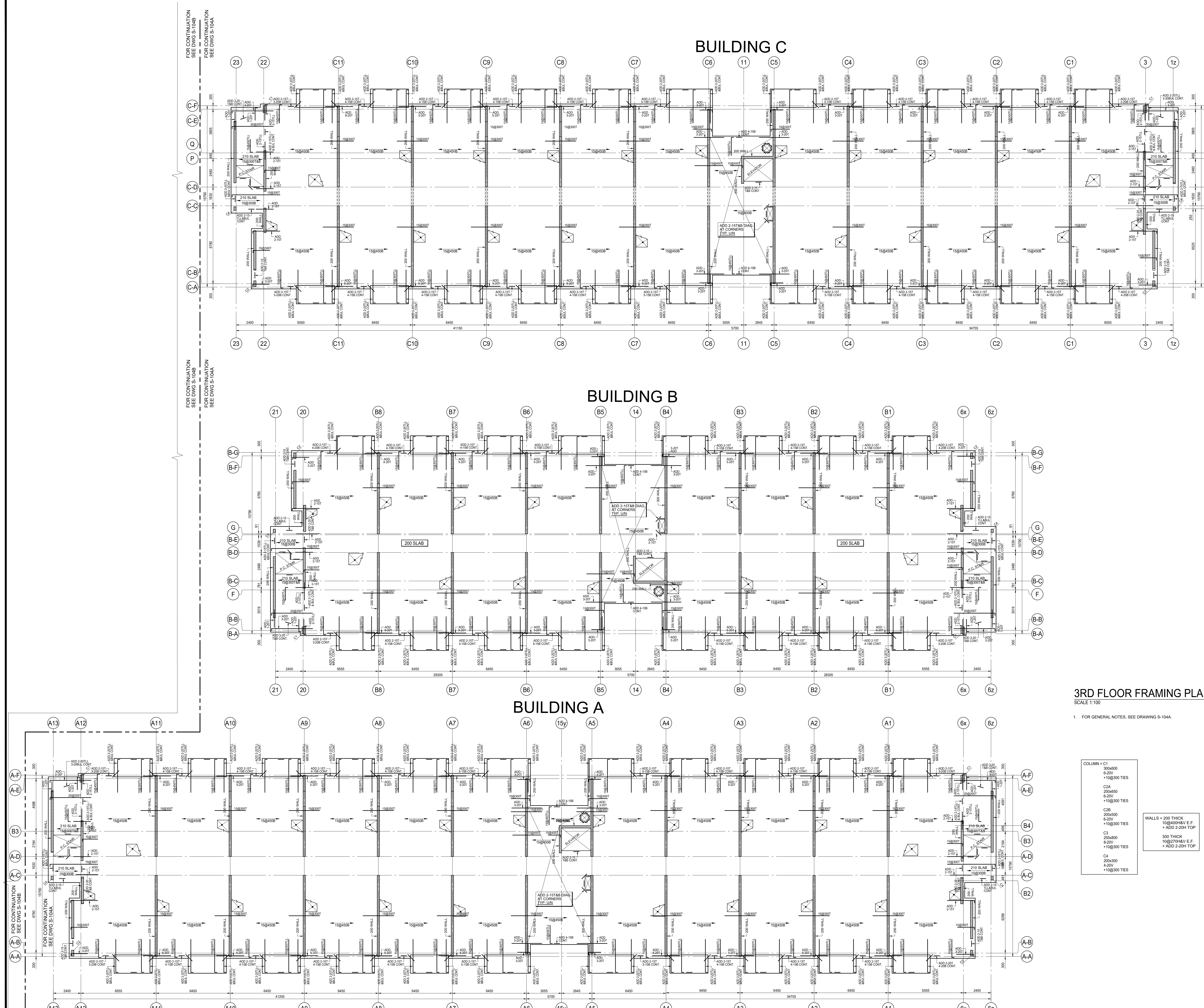


Date Plotted: Mar 31 2021

Drawn By: ND Scale: 1 : 100

Checked By: JW Revision Number:

Job No: 19066 Sheet No: S-104A



ISSUES		
No.	DATE	DESCRIPTION
1.	2019-08-02	ISSUED FOR TENDER
2.	2019-08-28	ISSUED FOR TENDER ADDENDUM #1
3.	2020-01-31	ISSUED FOR TENDER ADDENDUM #3
4.	2020-05-07	ISSUED FOR TENDER ADDENDUM #4
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REVISIONS		
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3RD FLOOR FRAMING PLAN

SCALE 1:100

1. FOR GENERAL NOTES, SEE DRAWING S-104A.

COLUMN - C1	300x600
	6-20V
	+10@300 TIES
C2A	200x650
	6-20V
	+10@300 TIES
C2B	200x500
	6-20V
	+10@300 TIES
C3	250x800
	8-20V
	+10@300 TIES
C4	200x300
	4-20V
	+10@300 TIES

WALLS = 200 THICK

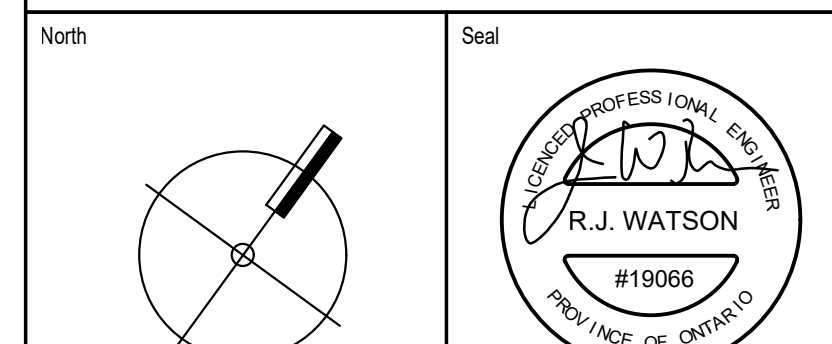
10@400H&V E.F.

+ ADD 2-20H TOP

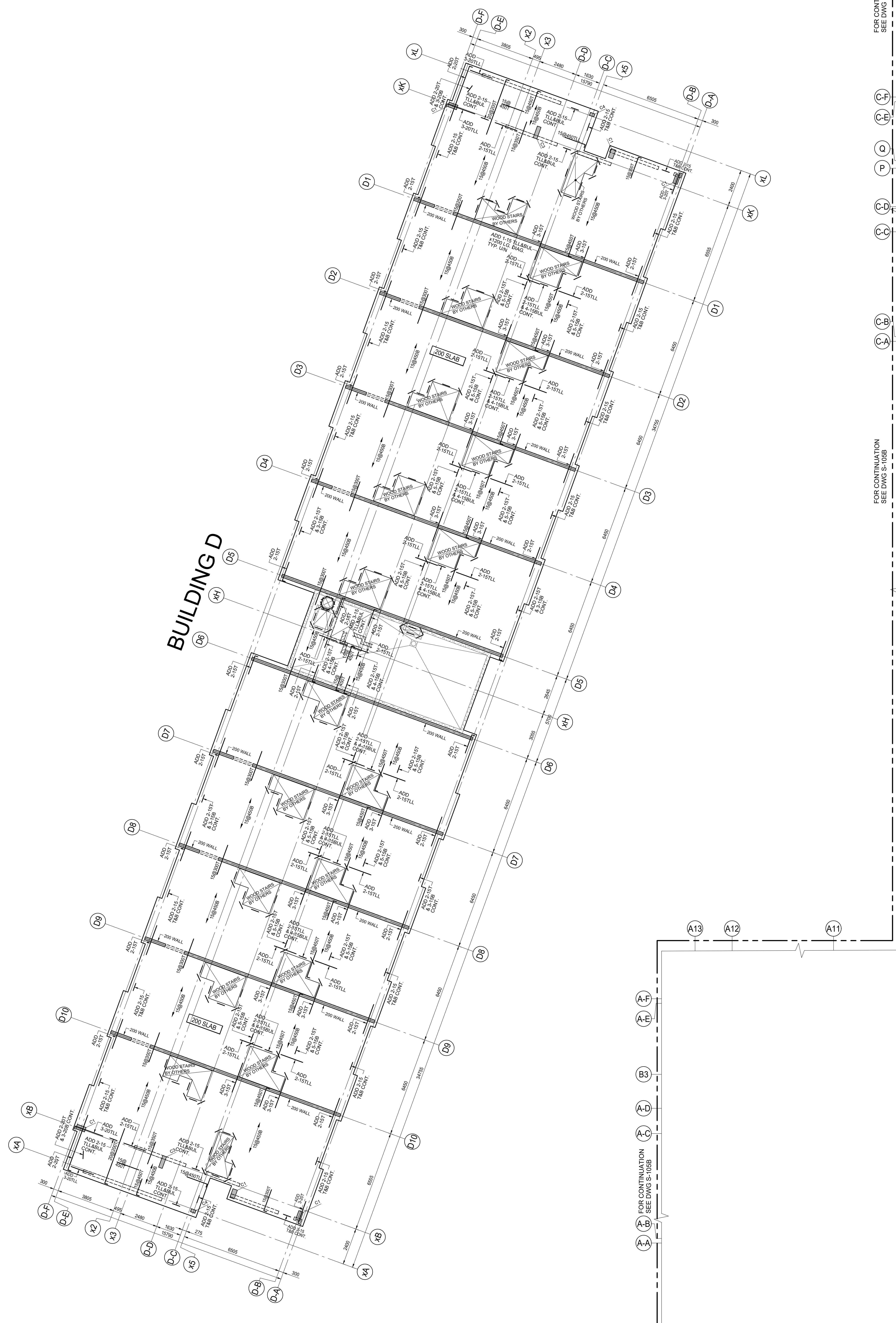
Jablonsky, Ast and Partners
CONSULTING ENGINEERS
1120 LESLIE STREET
DON MILLS, ON, M3C 2G5
TEL: (416) 447 1400
FAX: (416) 447 2771

Job Title:
FORETSIDE TOWNHOUSES
TORONTO, ONTARIO

Sheet Title:
3RD FLOOR
BUILDINGS A, B, & C

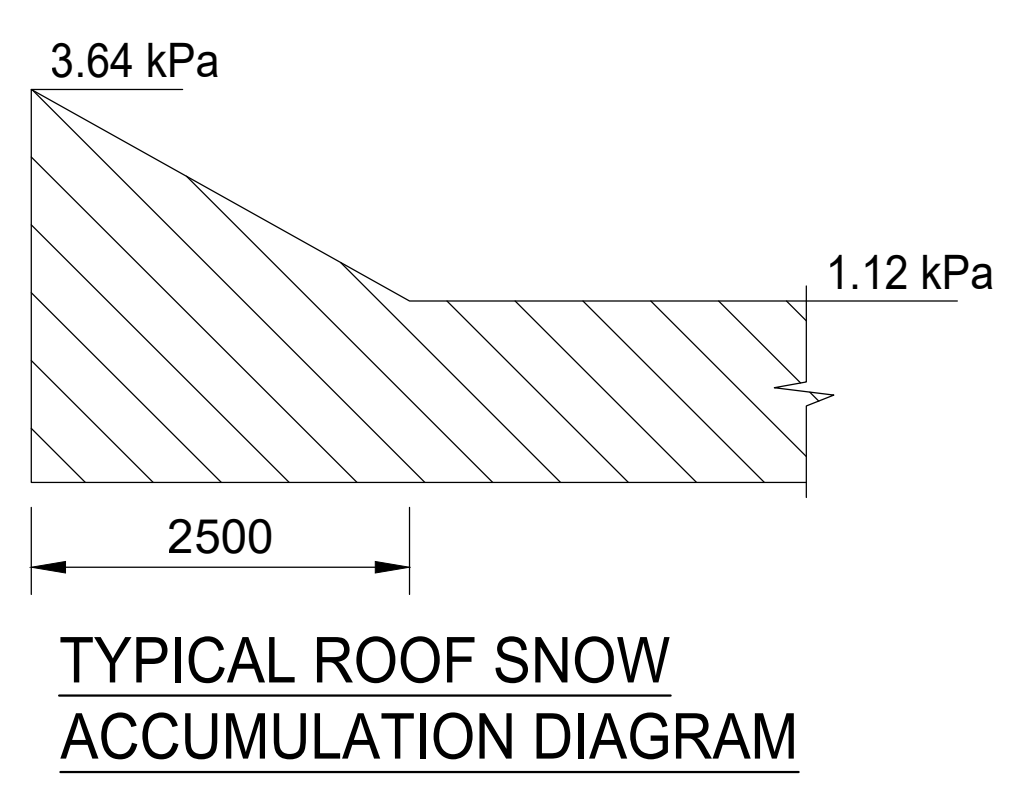


Date Plotted: Mar 31 2021
Drawn By: ND
Checked By: JW
Job No: 19066
Scale: 1 : 100
Revision Number:
Sheet No: S-104B



FOR CONTINUATION
SEE DWG S-105B

FOR CONTINUATION
SEE DWG S-105B



4TH FLOOR FRAMING PLAN

SCALE 1:100

- TOP OF ROUGH SLAB IS 0.0mm BELOW FINISHED FLOOR (DATUM EL. XXX.XXX) EXCEPT AS CROSSED AND NOTED ON PLAN.
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:
FOR WALLS AND COLUMNS SEE SCHEDULE
FOR SLABS 25 MPa
- CONCRETE STRENGTH EXPOSED TO WEATHER SHALL BE MIN 30 MPa WITH 6% TO 8% ENTRAINED AIR.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- TEMPERATURE REINFORCING:
200 SLAB IS 15@450
210 SLAB IS 15@300
- NO OPENINGS LARGER THAN 300mm x 300mm ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS.
- SEE GENERAL NOTES ON DRAWING S-001.
- SEE TYPICAL DETAILS DETAILS ON S-000 SERIES DRAWINGS.
- SEE COLUMN & WALL SCHEDULE ON THIS DRAWING.
- COORDINATE HEADER BEAM DEPTH AT DOOR OPENINGS WITH ARCHITECTURAL DRAWINGS.
- EXTEND TEMPERATURE REINFORCING TO END OF BALCONIES / OVERHANGS.
- TOP BARS TERMINATING AT EDGE OF SLAB TO HAVE 180 HOOK.
- REFER TO ARCHITECTURAL DRAWINGS FOR SLAB ELEVATIONS, SLOPES AND STEPS IN SLAB AND SLAB DEPRESSIONS.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE, LOCATION AND EXTENT OF CURBS. SEE TYPICAL DETAILS FOR REINFORCING.
- BPL - 150x10x150 DENOTES ELEVATOR DIVIDER BEAM BASE PLATE WITH 2x10mm@ NELSON STUD x 150L. EACH END.

COLUMN = C1 300x600 6-20V +10@300 TIES	WALLS = 200 THICK 10@400H&V E.F. + ADD 2-20H TOP
C2A 200x650 6-20V +10@300 TIES	
C2B 200x500 6-20V +10@300 TIES	
C3 250x800 8-20V +10@300 TIES	
C4 200x300 4-20V +10@300 TIES	

ISSUES

No.	DATE	DESCRIPTION
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8.	2021-03-25	ISSUED FOR PERMIT BUILDINGS A, B, C, D

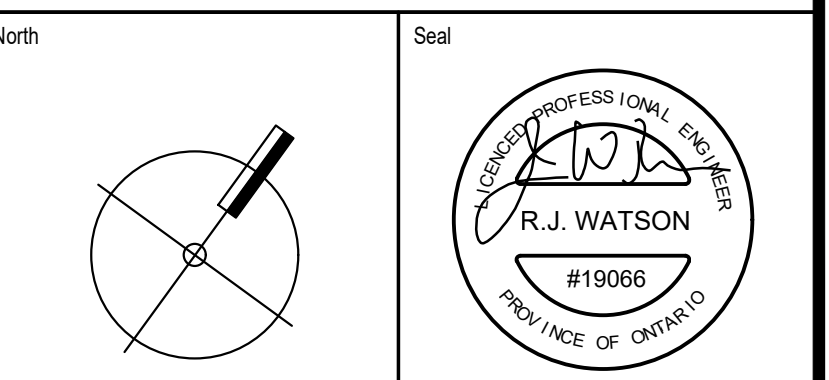
REVISIONS

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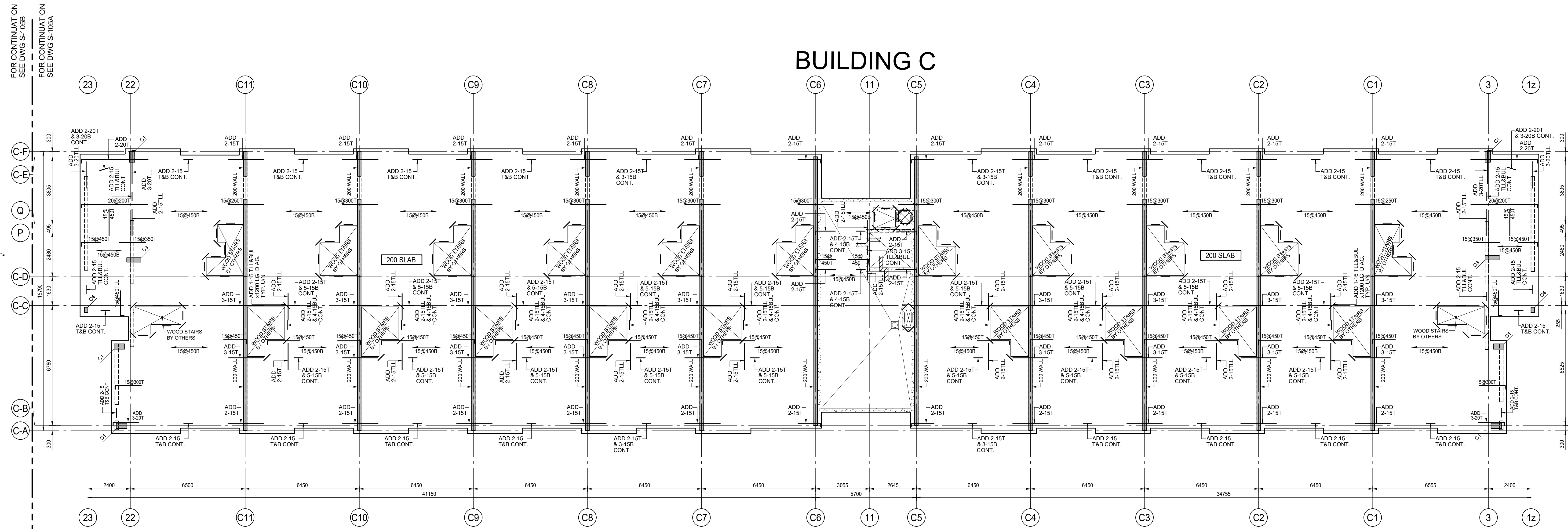
Job Title:
FORETSIDE TOWNHOUSES
TORONTO, ONTARIO

Sheet Title:
**4TH FLOOR
BUILDING D**

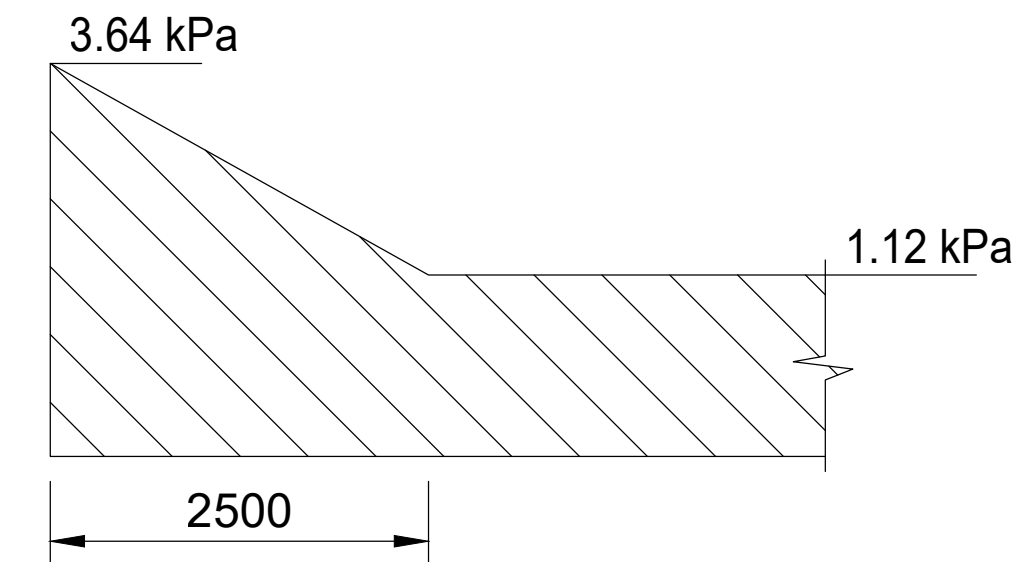
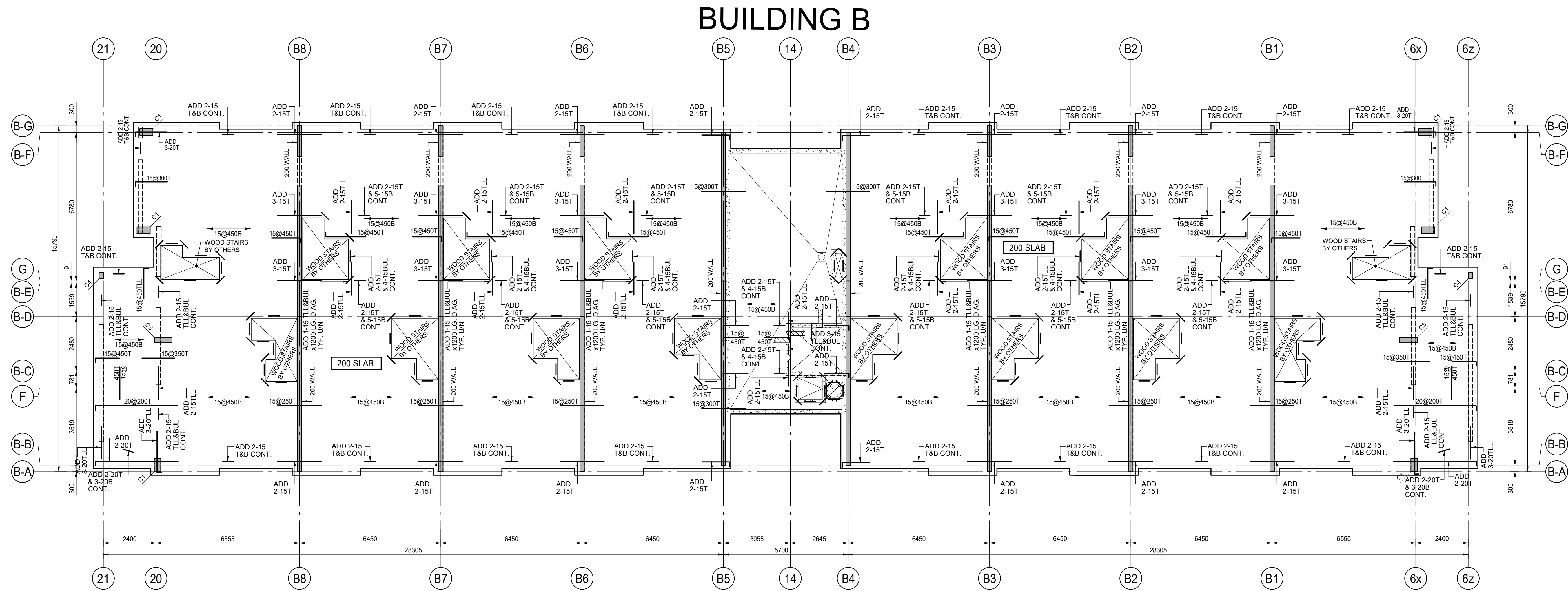


Date Plotted:	Date:	Mar 31 2021
Drawn By:	Scale:	1 : 100
Checked By:	Revision Number:	
Job No:	Sheet No:	19066 S-105A

FOR CONTINUATION
SEE DWG S-105B
FOR CONTINUATION
SEE DWG S-105A



FOR CONTINUATION
SEE DWG S-105B
FOR CONTINUATION
SEE DWG S-105A

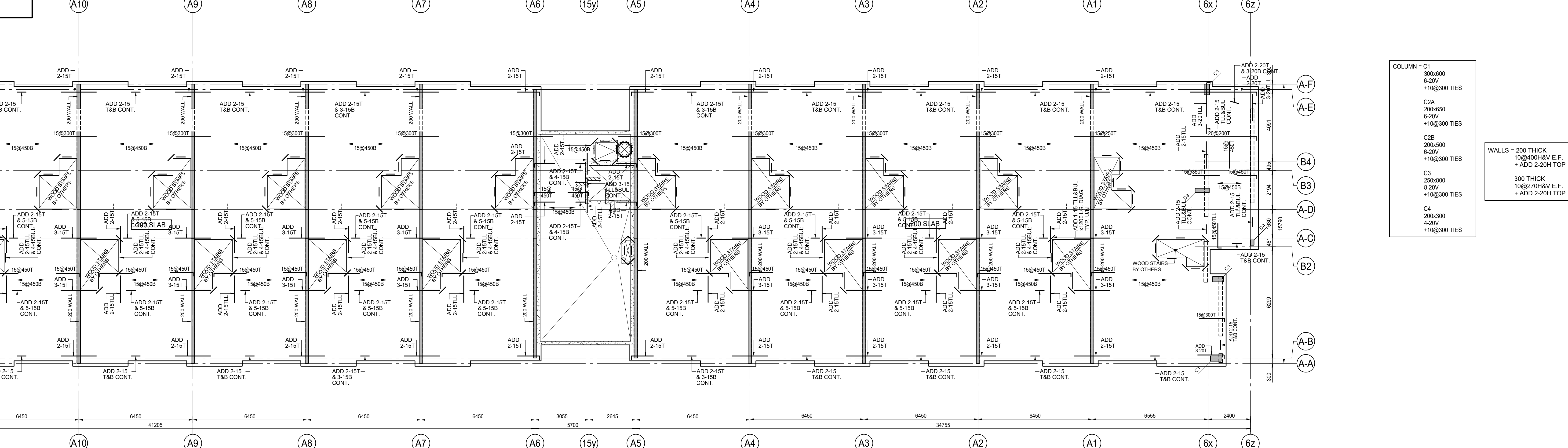


TYPICAL ROOF SNOW
ACCUMULATION DIAGRAM

4TH FLOOR FRAMING PLAN
SCALE 1:100

1. FOR GENERAL NOTES, SEE DRAWING S-105A.

FOR CONTINUATION
SEE DWG S-105B
FOR CONTINUATION
SEE DWG S-105A



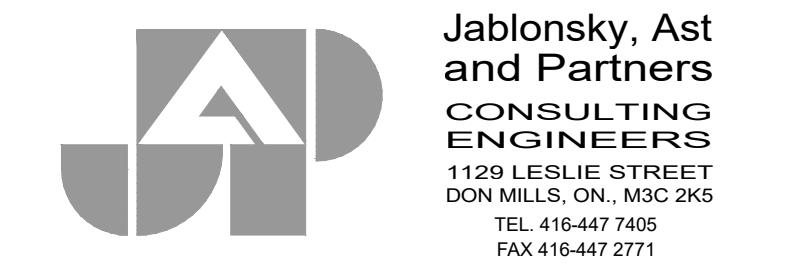
FOR CONTINUATION
SEE DWG S-105B
FOR CONTINUATION
SEE DWG S-105A

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REVISIONS		
No.	DATE	DESCRIPTION

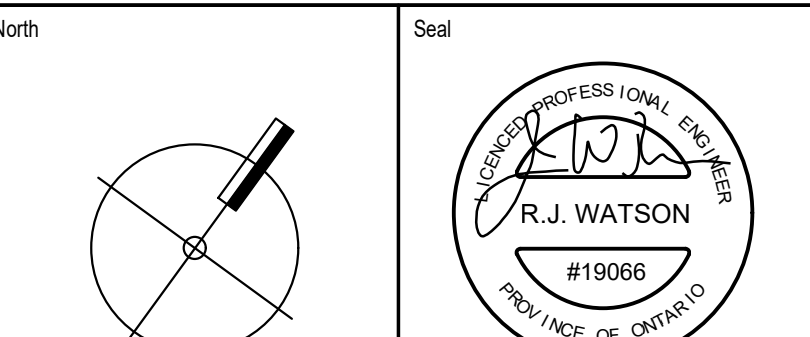
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FORETSIDE TOWNHOUSES
TORONTO, ONTARIO

4TH FLOOR
BUILDINGS A, B, & C



Date Plotted: Mar 31 2021

Drawn By: ND Scale: 1 : 100

Checked By: JW Revision Number:

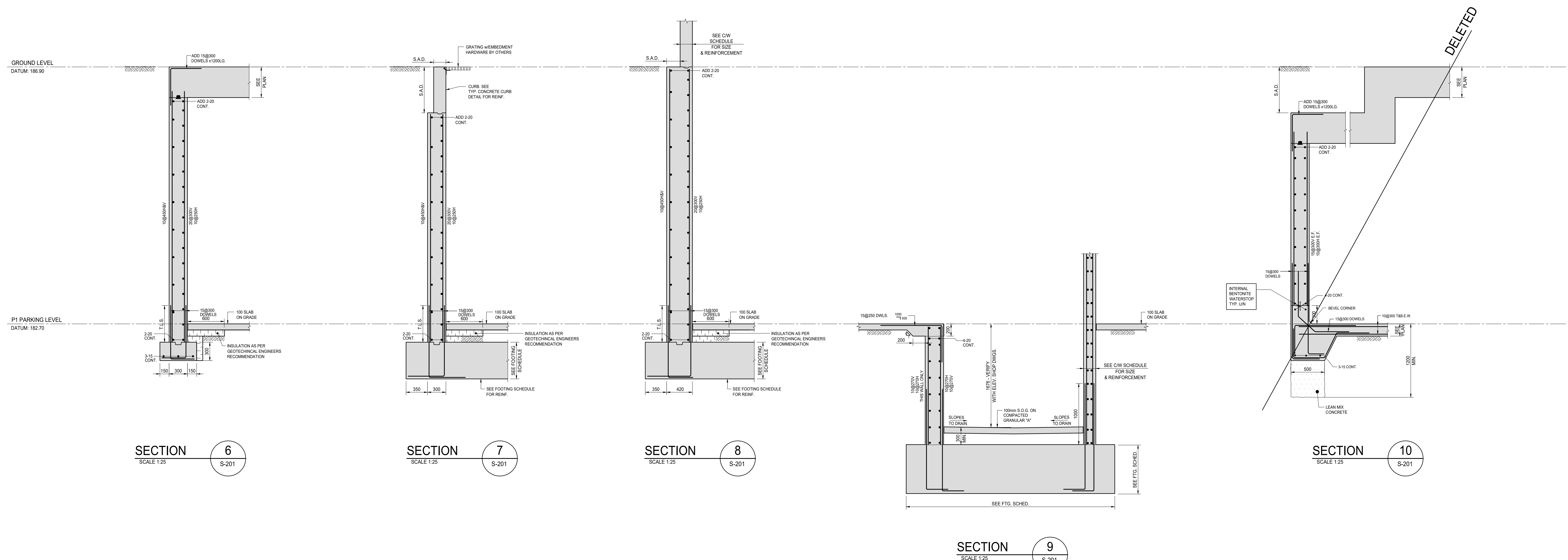
Job No: 19066 Sheet No: S-105B



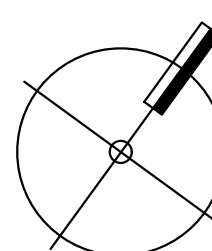
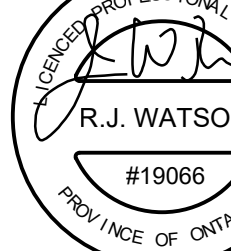
SCALE 1:100

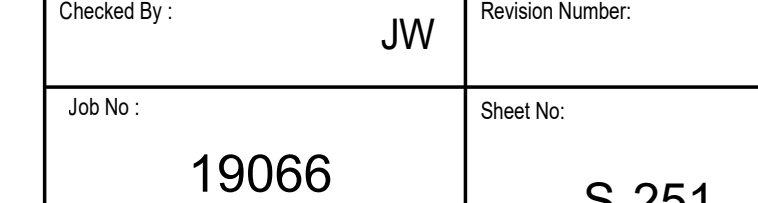
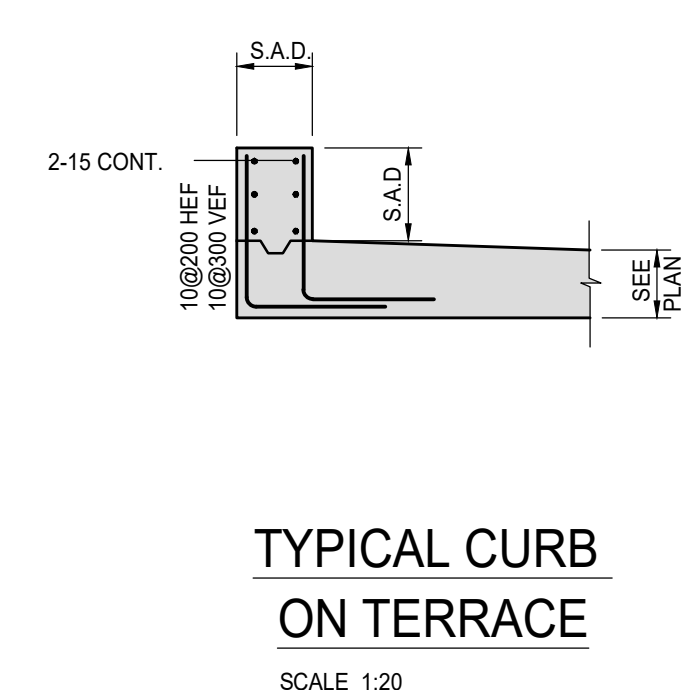
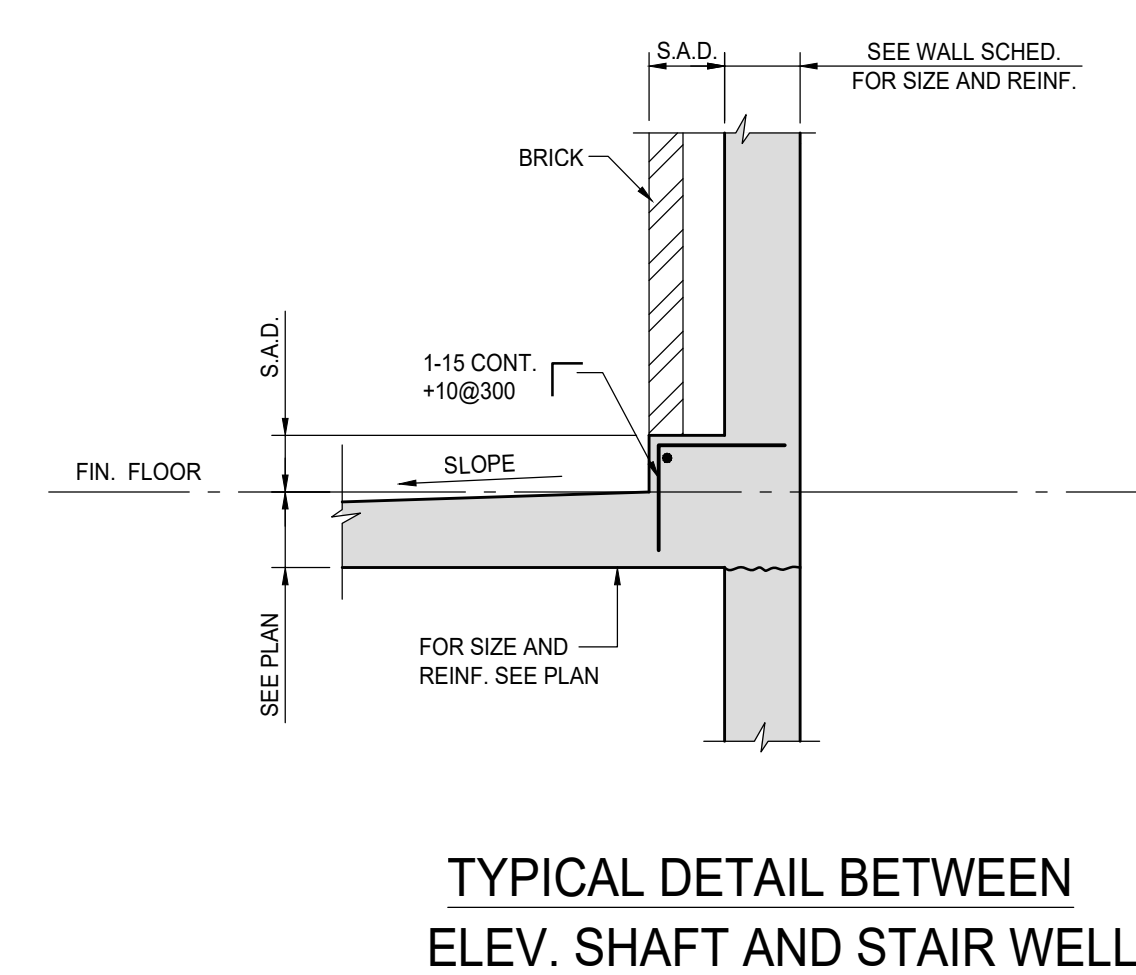
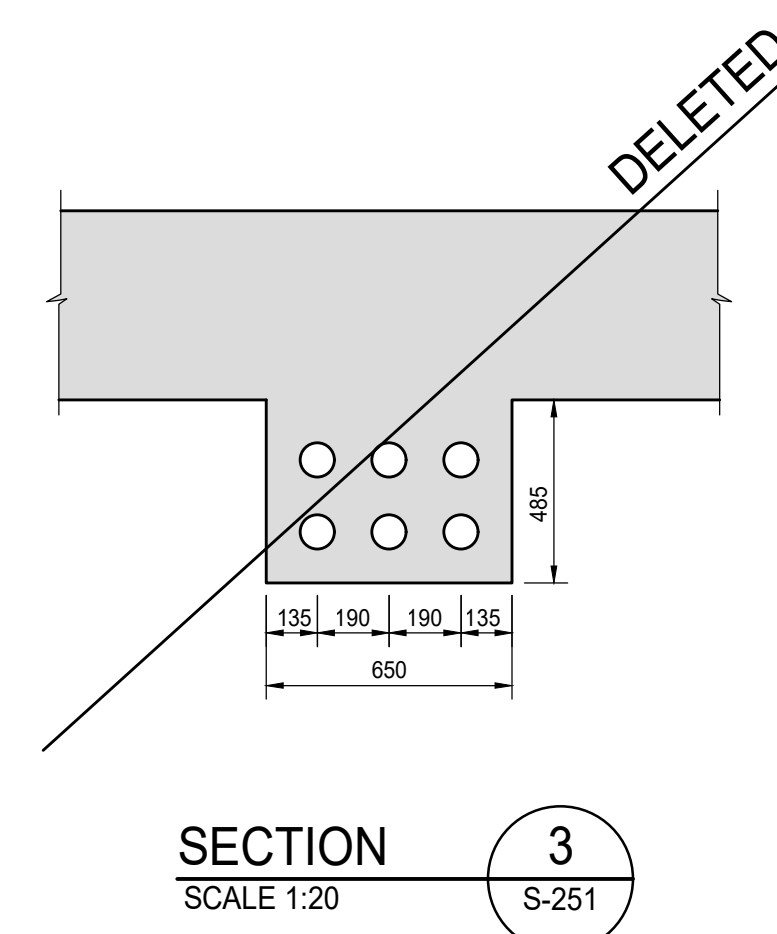
- WALLS = 200 THICK
10@400H&V E.F.
+ ADD 2-20H TOP
- 300 THICK
10@270H&V E.F.
+ ADD 2-20H TOP

S-106A



No.	DATE	DESCRIPTION
REVISIONS CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME REPORTING ANY DISCREPANCIES TO THE ARCHITECT BEFORE COMMENCING THE WORK. PRINTS ARE NOT TO BE SCALED.		

	Jablonsky, Ast and Partners CONSULTING ENGINEERS 1150 LESLIE STREET DON MILLS, ON. M3C 2K5 TEL. 416-447-7420 FAX. 416-447-2771
Job Title: FORESTSIDE TOWNHOUSES TORONTO, ONTARIO	
Sheet Title: FOUNDATION SECTIONS	
North 	Seal 
Date Plotted:	Date: Mar 31 2021
Drawn By: ND	Scale: 1 : 25
Checked By: JW	Revision Number:
Job No: 19066	Sheet No: S-201



FOOTING SCHEDULE								
FTG. MARK	BASE		CAP		REINFORCING		CAP REIN.	REMARKS
	WIDTH	DEPTH	WIDTH	DEPTH	BOTTOM EACH WAY	TOP EACH WAY		
F 1	3300 x 2700	600			13-20 L.W. 10-25 S.W.			
F 2	3800 x 3200	600			12-15 L.W. 15-15 S.W.			
F 3	6300 x 3350	600			13-15 L.W. 24-15 S.W.			
F 4	7450 x 3350	300			13-15 L.W. 28-15 S.W.			
F 5	7950 x 3350	300			13-15 L.W. 30-15 S.W.			
F 6	5800 x 3350	300			13-15 L.W. 22-15 S.W.			
F 7	5300 x 2900	600			9-25 L.W. 16-25 S.W.			
SF 1	600	300			3-15 L.W. 15@250 S.W.			
SF 2	1300	300			5-15 L.W. 15@250 S.W.			
SF 3	1100	300			5-15 L.W. 15@250 S.W.			
SF 4					D E L E T E D			
SF 5					D E L E T E D			
MAT 1	SEE PLAN	600			25@300 B.E.W.	25@300 T.E.W.		
MAT 2	SEE PLAN	600			25@300 B.E.W.	25@300 T.E.W.		
MAT 3	SEE PLAN	300			20@300 B.E.W.	20@300 T.E.W.		
MAT 4	SEE PLAN	300			20@300 B.E.W.	20@300 T.E.W.		
MAT 5	SEE PLAN	600			25@300 B.E.W.	25@300 T.E.W.		
MAT 6	SEE PLAN	600			25@300 B.E.W.	25@300 T.E.W.		
MAT 7	SEE PLAN	600			25@300 B.E.W.	25@300 T.E.W.		

NOTE:

1. FOOTING DIMENSION GIVEN FIRST IS IN LONG DIRECTION.

2. THE LONGEST DIMENSION OF THE FOOTING IS PARALLEL TO THE LONGEST DIMENSION OF THE COLUMN UNLESS NOTED ON PLAN.

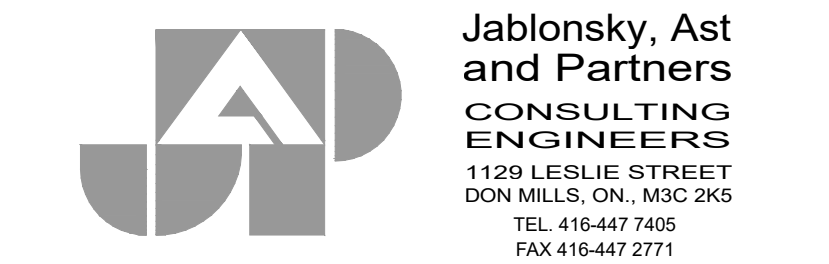
3. L.W. DENOTES LONG WAY

4. S.W. DENOTES SHORT WAY

5. ALL BOTTOM BARS TO BE HOOKED

[illegible]

No.	DATE	DESCRIPTION
REVISIONS		
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Job Title
FORESTSIDE TOWNHOUSES
TORONTO, ONTARIO

Sheet Title

FOOTING SCHEDULE

North	Seal
	
Date Plotted	Date: Mar 31 2021
Drawn By: ND	Scale: 1 : 100
Checked By: JW	Revision Number:
Job No: 19066	Sheet No: S-301