



The structural drawings are to be read in conjunction with the architectural drawings and any inconsistencies to be reported to the architect before proceeding with work.

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Mark Data	F1	F2	F3	F4	F5	F6	F7	F8
Width	2500x2500	2100x2100	2000x2000	1600x1600	1600x1400	2400x1800	1800x1500	2400x1600
Depth	600	550	550	500	400	550	450	500
Reinforcing	14-20M Bot. E.W.	12-20M Bot. E.W.	11-20M Bot. E.W.	9-15M Bot. E.W.	15M @200 O.C. Bot. E.W. to be to be anchored into exist. FTG. Min. 200mm embedment, c/w epoxy for the bars perpendicular to exist. FTG, Typ.			10-15M Short Side 8-15M Long Side Bot.

Mark Data	F9	F10	F11	F12	F13	F14 (Footing extension)
Width	2200x1200	4000x2000	8561x6346	550	1800x1800	400
Depth	350	550	350	250	500	450
Reinforcing	12-15M Short Side 7-15M Long Side Bot.	21-15M Short Side 11-15M Long Side Bot.	15M @200 O.C. E.W. Bot.	2-15M Cont.	10-15M Bot. E.W.	2-15M Long Side, 15M @300 O.C. Short Side, Bot., short side bars be to be anchored into exist. FTG, Min. 200mm embedment, c/w epoxy, Typ.

NOTES:
1. All new footings to be incorporated with adjacent footings when applicable, Typ.

Mark Data	W1	W2	W3	W4
Thickness	254	200	500	289
Vert. Reinforcing	15M @400 O.C.	15M @400 O.C.	15M @400 O.C. Each face	15M @400 O.C.
Horiz. Reinforcing	15M @400 O.C.	15M @400 O.C.	15M @400 O.C. Each face	15M @400 O.C.

Mark Data	P1	P2	P3	P4	P5
Size	900x900	600x600	600x1519	900x3199	600x
Vert. Reinforcing	8-20M	8-20M	12-20M	14-20M	12-20M
Conc. Pier Ties	10M @250mm O.C.	10M @250mm O.C.	10M @250mm O.C.	10M @250mm O.C.	10M @250mm O.C.

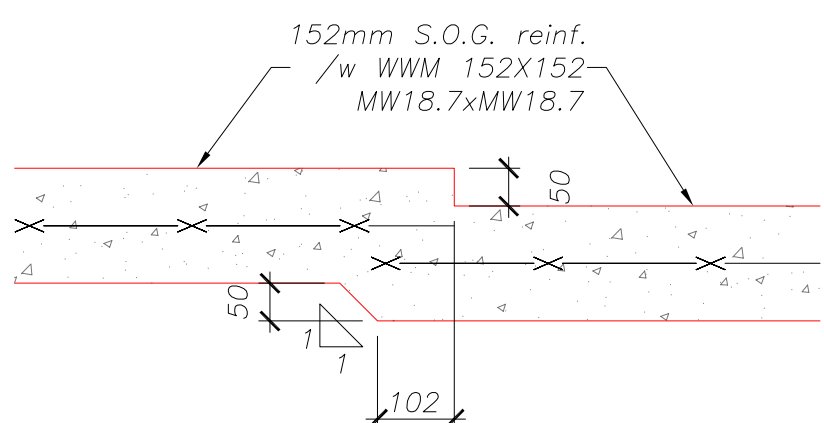
Mark Data	P6	P7
Size	750x	1157x1243
Vert. Reinforcing	12-20M	8-20M
Conc. Pier Ties	10M @250mm O.C.	10M @250mm O.C.

GENERAL NOTES:
1. Refer to the existing structural drawings for the existing foundations.

FOUNDATIONS NOTES:

1. Design of foundation is based on soils report No. 2406--S036 dated August 2024 by Soil Engineers Ltd., contractors shall follow all the recommendations stated in the soils report.
2. The consultant's approval shall be obtained prior to placement of any concrete.
3. All exterior footing shall be carried down to a minimum of 1200mm below the finished grade.
4. The maximum slope between adjacent excavations for footings or along stepped footings shall not exceed a 1:1 ratio. In a run of 10m, the maximum excavation depth shall be approximately 600mm.
5. Footing and foundation wall concrete shall have a minimum compressive strength of 25MPa at 28 days. All concrete exposed to weather shall have a minimum compressive strength of 32MPa at 28 days. All concrete exposed to earth and weather shall have 7% air entrainment.
6. Prior to concrete placement, the engineer shall verify the assumed soil bearing capacity. Where the actual soil bearing capacity varies from the assumed bearing capacity, the structural engineer is to be notified so that the footing can be modified.
7. Reinforcing steel shall be deformed billet with a minimum yield strength of 400MPa.
 a. Sub-grade shall be reinforced with W10 @ 150mm x W10 @ 150mm, #18 U.N.O. Provide a minimum 200mm thick granular base, consisting of 20mm crusher-run limestone, or equivalent, compacted to min. 98% modified proctor dry density, U.N.O.
8. Unless stated otherwise, slab-on-grade shall be placed on sub-grade capable of safely supporting 25 kPa (500psf) without relative settlement exceeding 10mm to building footings.
9. Backfill against foundation wall in such a manner that the level of backfilling on one side is never greater than 450mm from the level on the opposite side of the wall unless adequate temporary wall support is provided.
10. All piers or top trench footings shall be recessed from top of finished slab by 250mm.
11. All anchor bolts shall conform to ASTM A325.

ELEVATOR SHAFT FOUNDATION NOTES:
1. Refer to the manufacturer's specifications for the recess depth from the S.O.G.
2. Lean concrete infill shall be used between elevator pit slab and pad footing.



1
S1

DETAIL
SCALE: 1=10

1	Apr. 02, 25	Issued for Permit			
Mark	Date	Description	Dr	Cnd.	

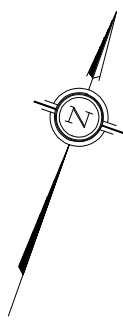
REVISIONS

PLANS AND NOTES

Clarington Town
 Bowmanville, Ontario

DESIGN	DRAWN	CHECK	PER.
G.G.	G.G.	R.R.	23-593
REVISED	BY	DATE	NOTED BY
R.R.	per	Dec. 2023	S1

Title: AS SHOWN
 RG Engineering Ltd.
 INCORPORATED IN CANADA
 24 Pearson Ave. #200, Unit 200, Cambridge, ON N1R 7P9
 Telephone: 519-885-1212 Fax: 519-885-1213 Email: info@rg-engineering.com



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- NOTES:
1. Refer to the architectural drawings for front sign metal studs furring walls.
2. The metal stud furring walls shall be laterally connected to the backing structures @top of parapet, roof, and canopy elevations, Typ.

- CFS KNEEL WALL NOTES:
1. The diagonal straps or plywood sheathing shall be installed for the CFS kneel walls to resist lateral loads, refer to S9 for details.

- GENERAL NOTES:
1. Refer to the existing structural drawings for the existing structural members designations.

- SECOND FLOOR NOTES:
1. Top of second floor elevation see sections and architect. DWGs.
2. Slab construction is 102mm(4") composite slab /w P-3615 metal deck 0.91mm(0.036") thick by Canam, reinf. /w WWM152x152 MW18.7xMW18.7.
3. Concrete shall have a minimum compressive strength of 25Mpa @ 28 days.
4. Contractor to co-ordinate all mechanical openings in slab refer to mechanical & architect. drawings for size and locations.
5. Reinforcing steel shall be deformed billet with minimum yield strength of 400Mpa.
6. Top reinf. at slab to wall connection shall be std. hooked, U.N.O.
7. Use C150x12 trimmer around duct openings.

- SECOND floor design loads (service):
Live Load: 2.4 kPa (50 psf); 4.8kPa (100 psf) @ramp
Dead Load:
Composite slab self weight: 1.9 Kpa (40 psf)
Superimposed dead load: 1.72Kpa (36 psf) (include 1.0 kPa partition allowance)
Stair design loads (service):
Live Load: 4.8 Kpa (100 psf)
Dead Load: 1.0 Kpa (20 psf)

Loads on walls acting as guards Loads(service): 0.5 Kpa (10.5 psf)

Exterior metal stud wall: 600S162-43 @400mm O.C.

- LEGEND:
VB1: Vertical X-bracing L127x127x8
VDB1: Diagonal bracing HSS152x152x9.5

M.C.: Moment connection to be designed to 85% Capacity of the weakest member @the connection.

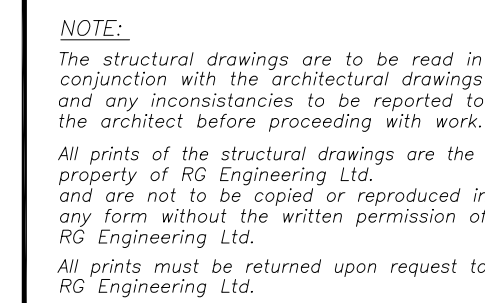
- ELEVATOR SHAFT CONCRETE BLOCK WALL NOTES:
1. 190 conc. block reinf. with heavy black-lak every 2 courses, horiz., 15M vert. dowels @200 O.C.
2. Double the vertical reinforcing@four corners.
3. Provide two bond beams at the floor level and roof level, reinforced with 2-20M bot. for each bond beam.
4. Provide one bond beams at every tie bracket location, reinforced with 2-20M bot. for each bond beam

- CONCRETE BLOCK PARTITION WALLS NOTES:
1. 190 conc. block reinf. with heavy black-lak every 2 courses, horiz., 15M vert. dowels @200 O.C., fill top & bot. two courses solid.
2. Provide two bond beams at the floor level and roof level, reinforced with 2-20M bot. for each bond beam.
3. Double the vertical reinforcing@wall ends and corners.

SECOND FLOOR FRAMING PLAN
SCALE: 1=100

COL & BASE PLATE SCHEDULE						
Mark	C1	C2	C3	C4	C5	C6
Column Size	HSS203x203x16	HSS178x178x13	HSS178x178x8	HSS152x152x9.5	HSS178x178x9.5	HSS203x203x6.4
Base Plate	450x450x25	450x450x25	450x450x25	400x400x25	450x450x25	450x450x25
Anchor Bolts	8-20M x600mm LG.	8-20M x500mm LG.	8-20M x500mm LG.	4-25M x450mm LG.	8-25M x500mm LG.	4-25M x500mm LG.

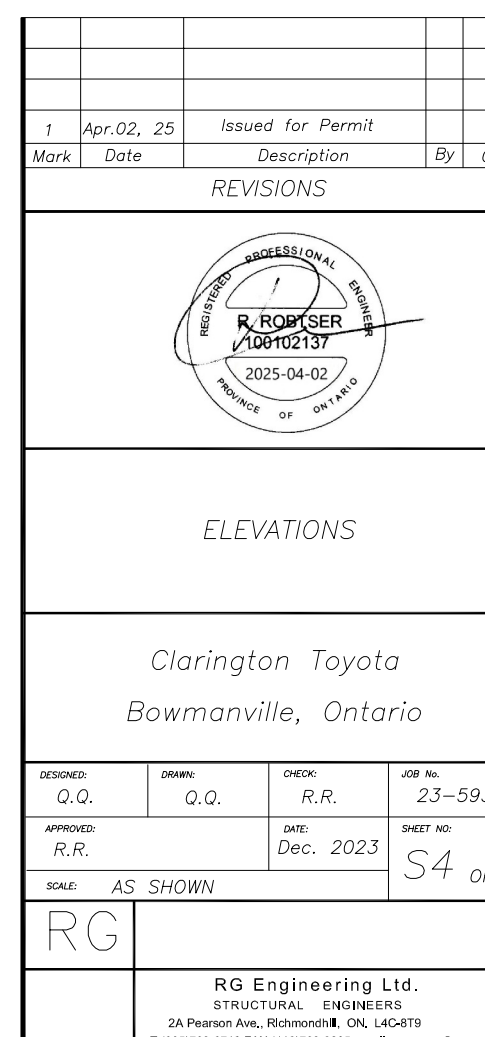
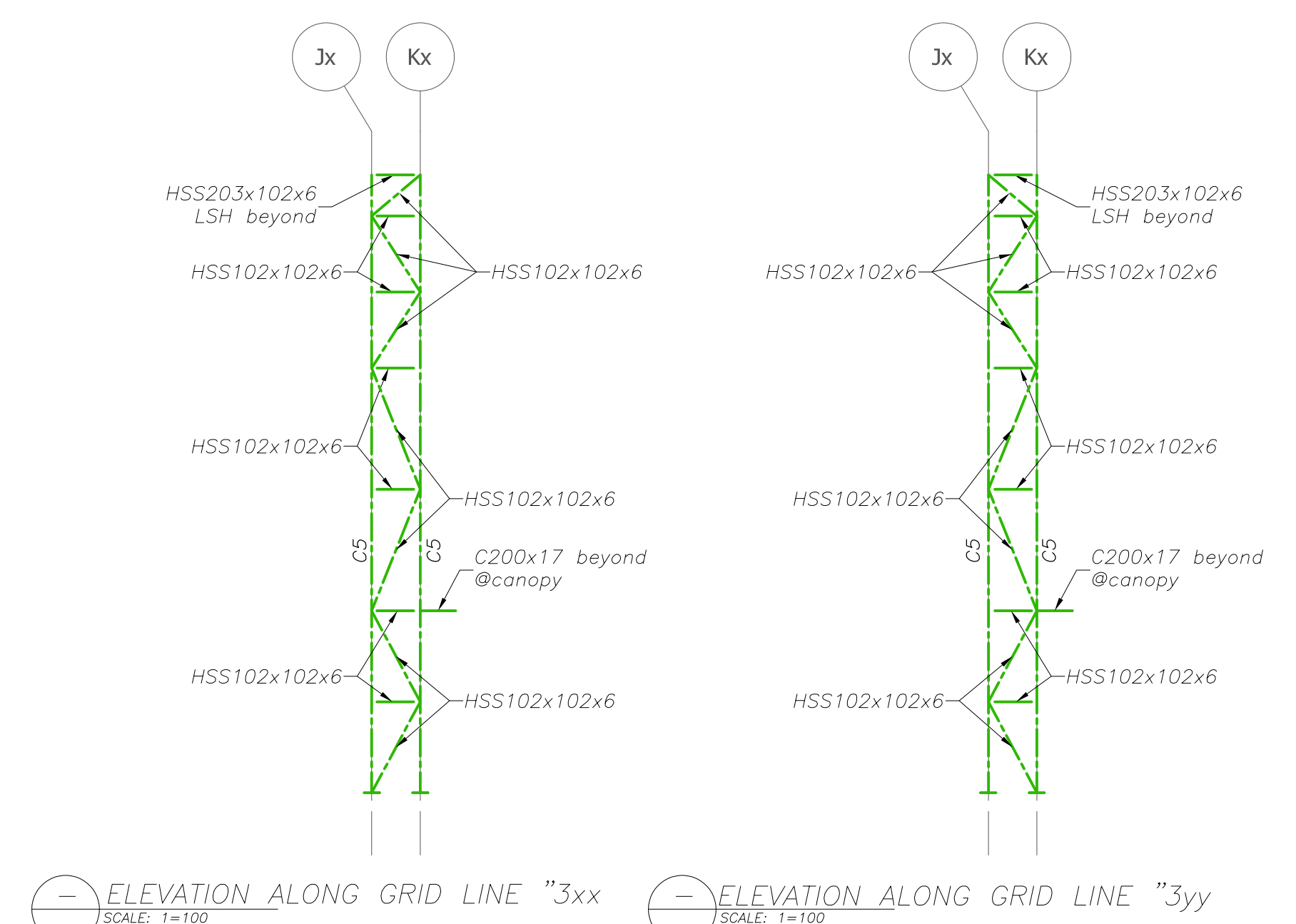
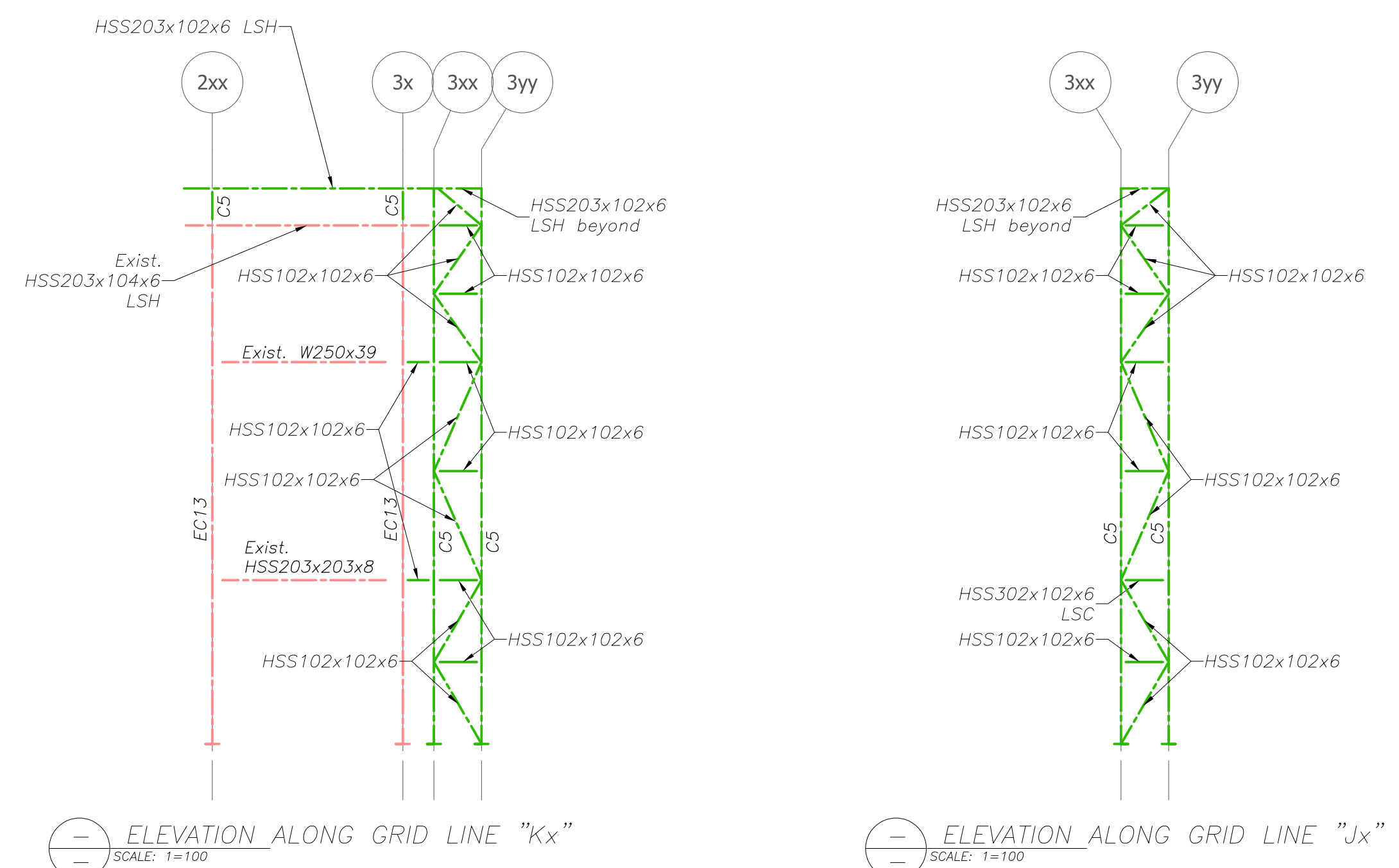
17	Apr 02, 25	Issued for Permit	By	Chd.
Mark	Date	Description	By	Chd.
REVISIONS				
PLANS AND NOTES				
Clarington Toyota Bowmanville, Ontario				
SCALE	Q.D.	Q.D.	R.R.	25-593
ISSUED	R.R.	DATE	2023-04-02	S2 of 9
NAME	AS SHOWN			
RG Engineering Ltd. 1000 Highway 10, Unit 10 Bowmanville, Ontario L7C 4P4 Tel: (905) 531-1111 Fax: (905) 531-1112				



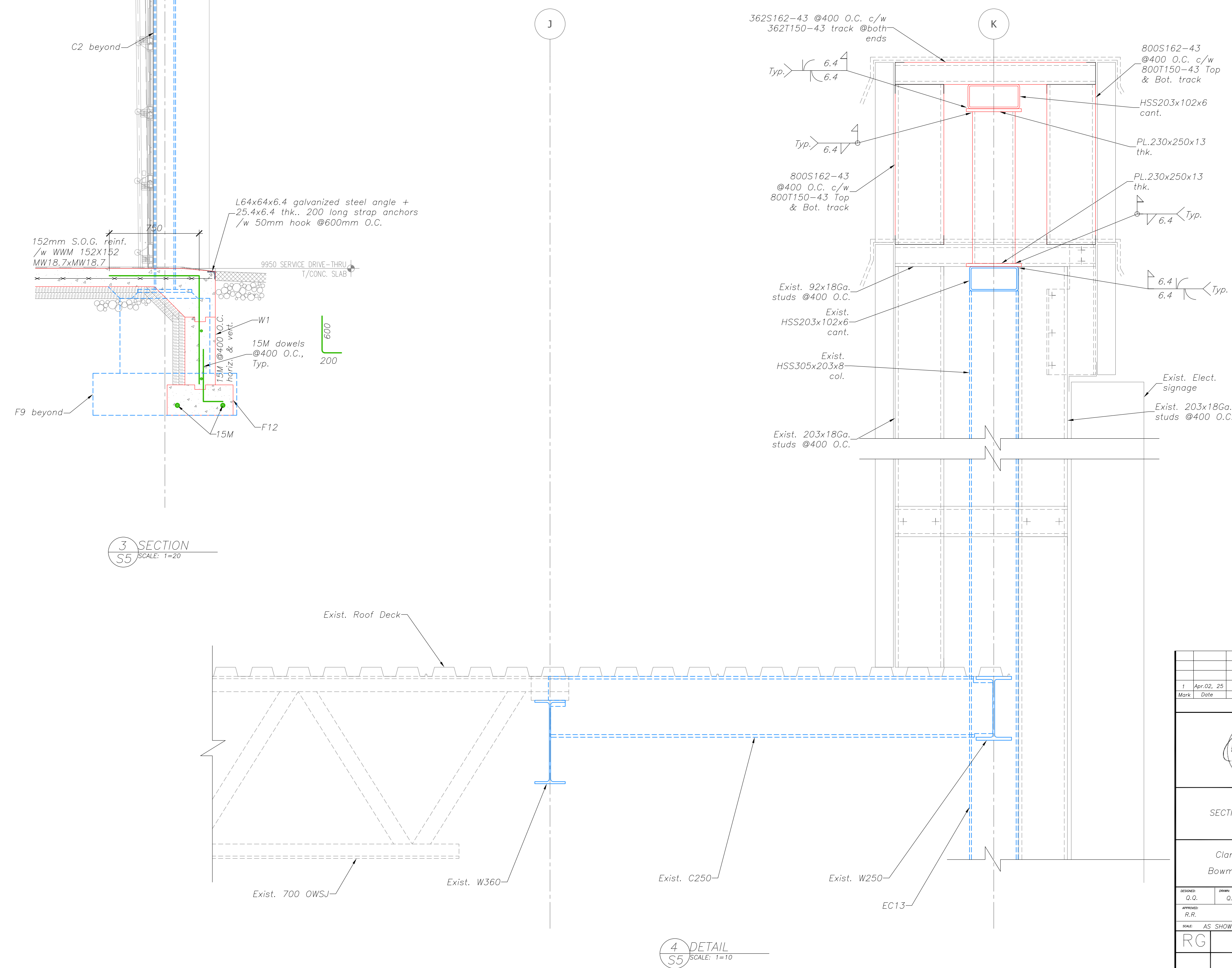
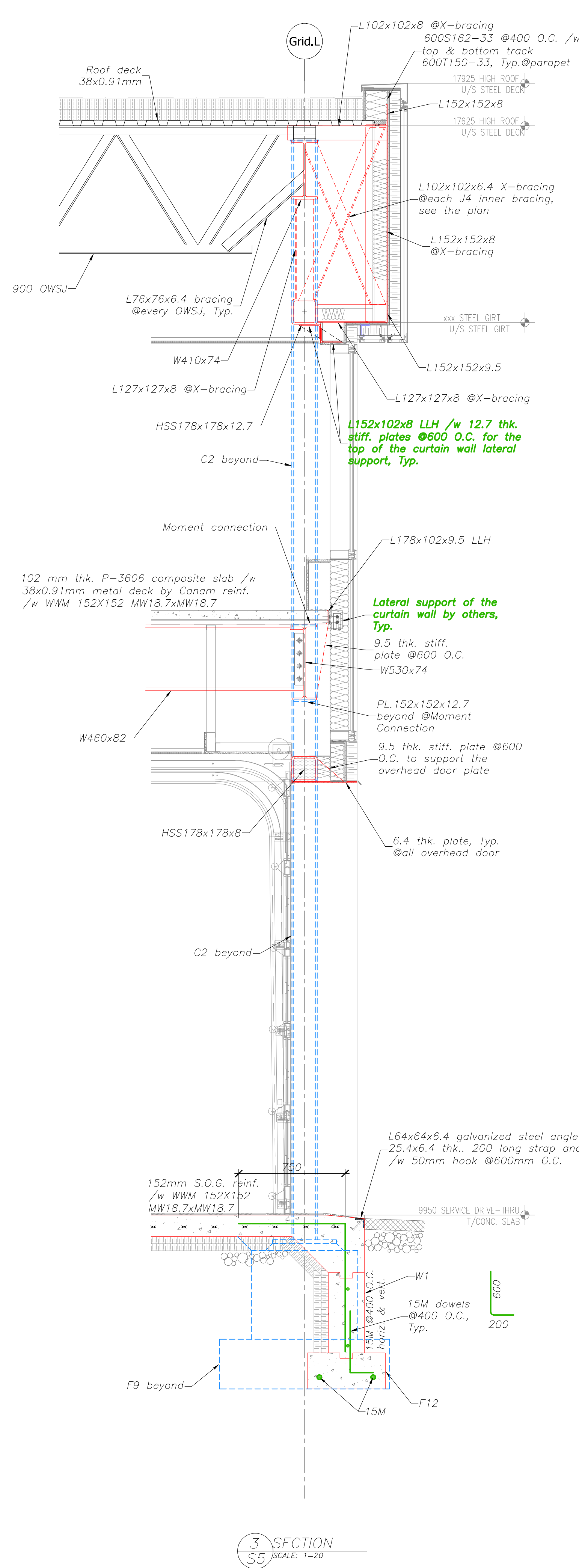
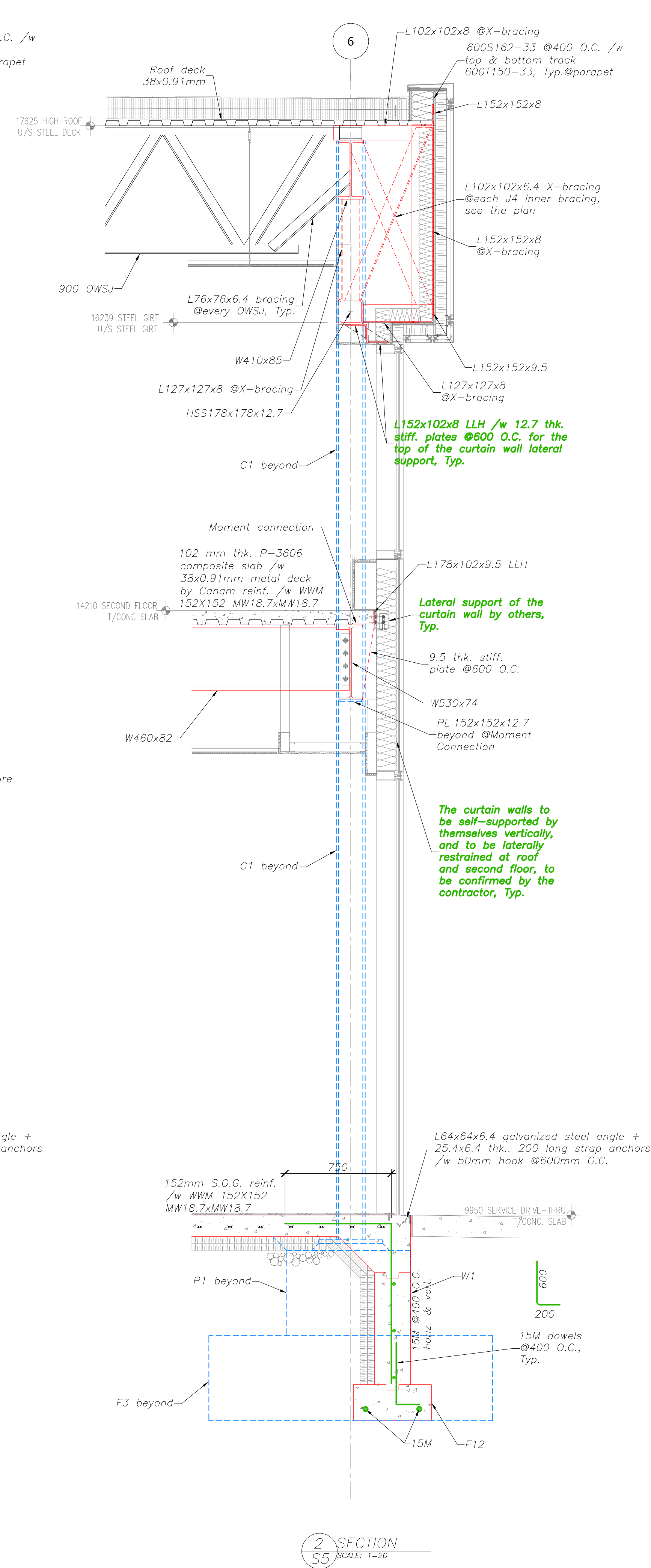
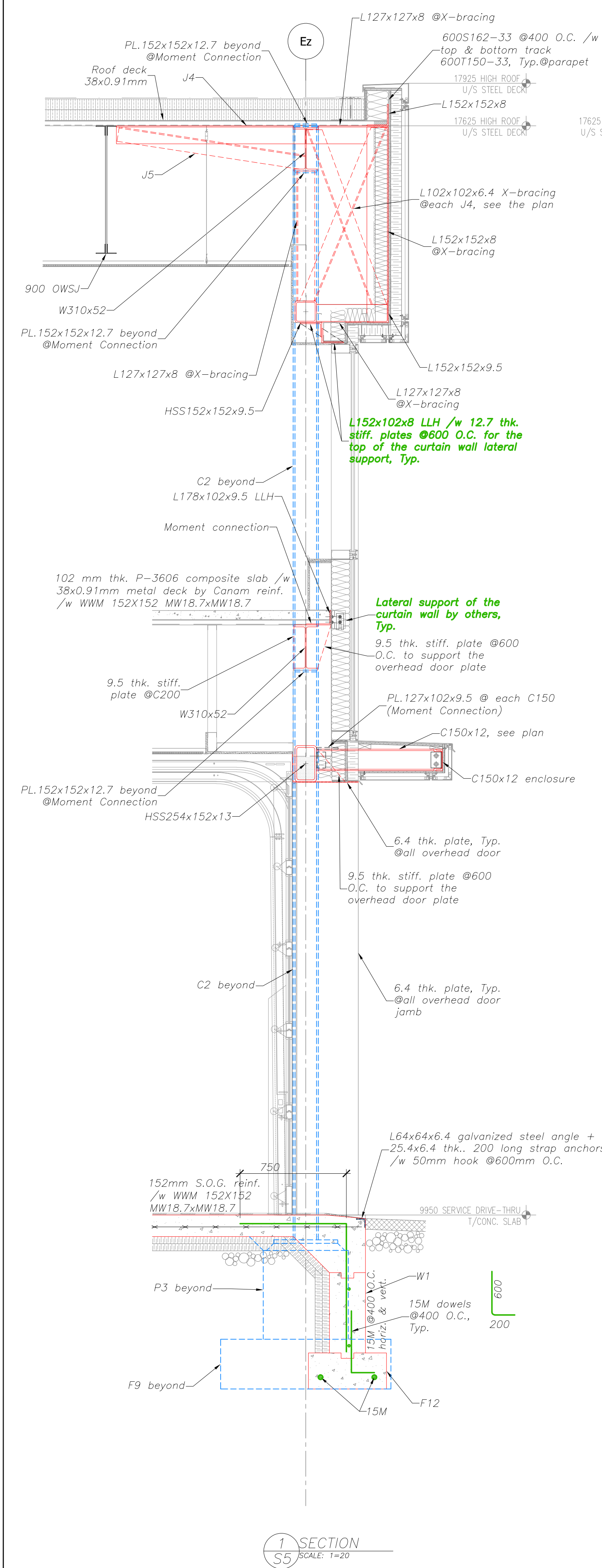
COL & BASE PLATE SCHEDULE						
Mark Data	C1	C2	C3	C4	C5	C6
Column Size	H55203x203x16	H55178x178x13	H55178x178x8	H55152x152x9.5	H55178x178x9.5	H55203x203x6.4
Base Plate	450x450x25	450x450x25	450x450x25	400x400x25	450x450x25	450x450x25
Anchor Bolts	8-20M x600mm L.G.	8-20M x500mm L.G.	8-20M x500mm L.G.	4-25M x450mm L.G.	8-20M x500mm L.G.	4-25M x500mm L.G.

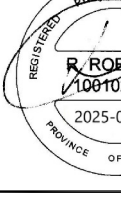
1	April 02, 25	Issued for Permit			
Mark	Date	Description		By	Chg
REVISIONS					
					
PLANS AND NOTES					
<i>Clarington Toyota</i> <i>Bowmanville, Ontario</i>					
ISSUED:	DATE:	BY:	NO.		
G.O.	G.O.	D.R.	25-593		
REVISED:	DATE:	BY:	NO.		
R.R.	DEC. 2023	DR	S3	OF 9	
NAME: AS SHOWN					
RG RG Engineering Ltd. 1000 Highway 10, Unit 10, Bowmanville, Ontario 248 Rupert Ave., Richmond Hill, ON, L4B 3C7 Telephone: (905) 882-1111 Fax: (905) 882-1112					

Architectural drawing of the South Elevation of the Toyota dealership building. The drawing shows a long, low-profile structure with a flat roof and a series of vertical columns. The Toyota logo and "TOYOTA" text are on the left, and "Clarington" is on the right. A green dashed line indicates the "SOUTH ELEVATION ALONG GRID LINE "Axx" & "OY"". The drawing includes various annotations for structural elements like "T/O PARAPET", "U/S STEEL DECK @ H.P.", and "T/O SERVICE CONC. SLAB". Grid lines are numbered 1 through 6, and dimensions are provided for various sections.

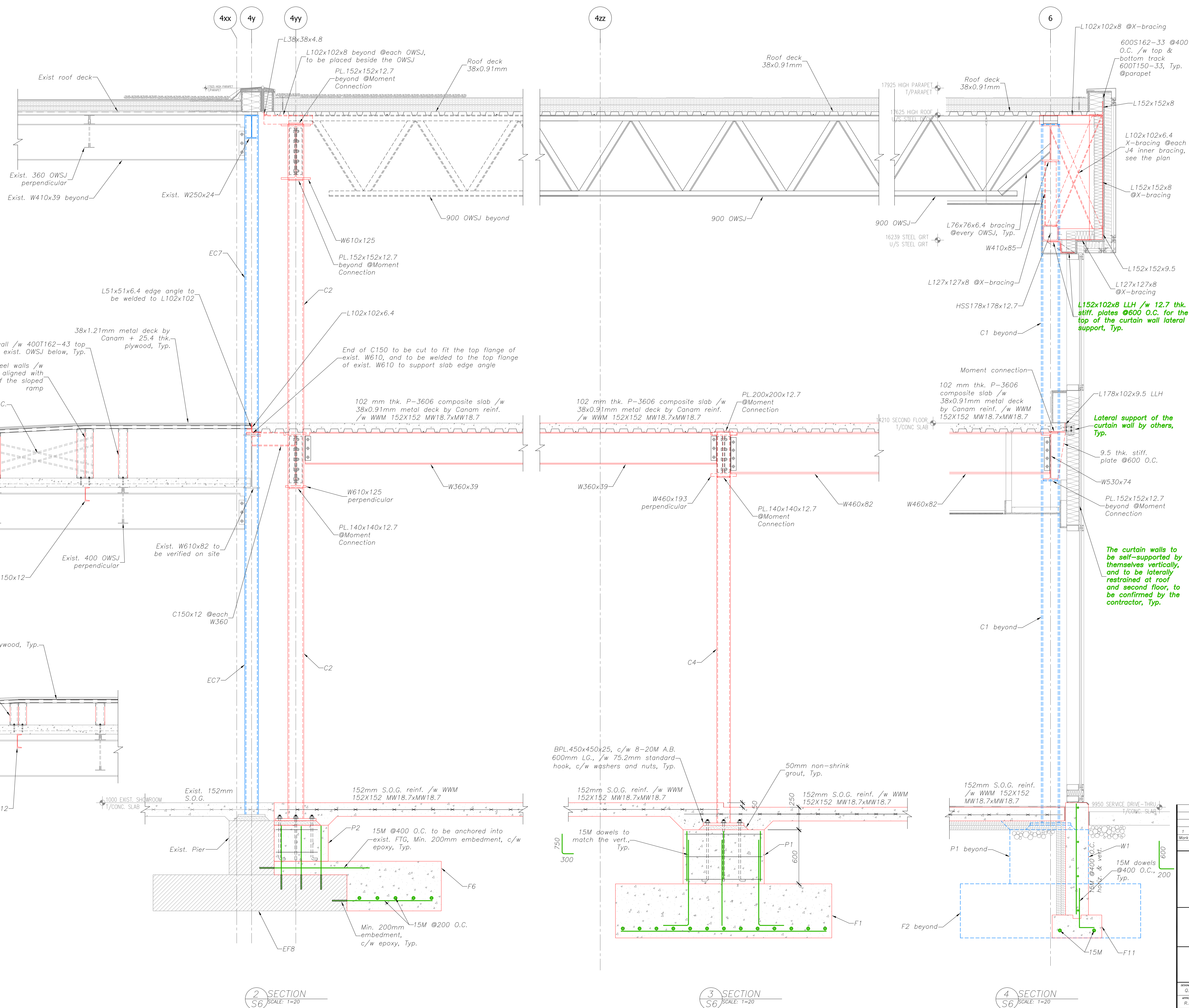


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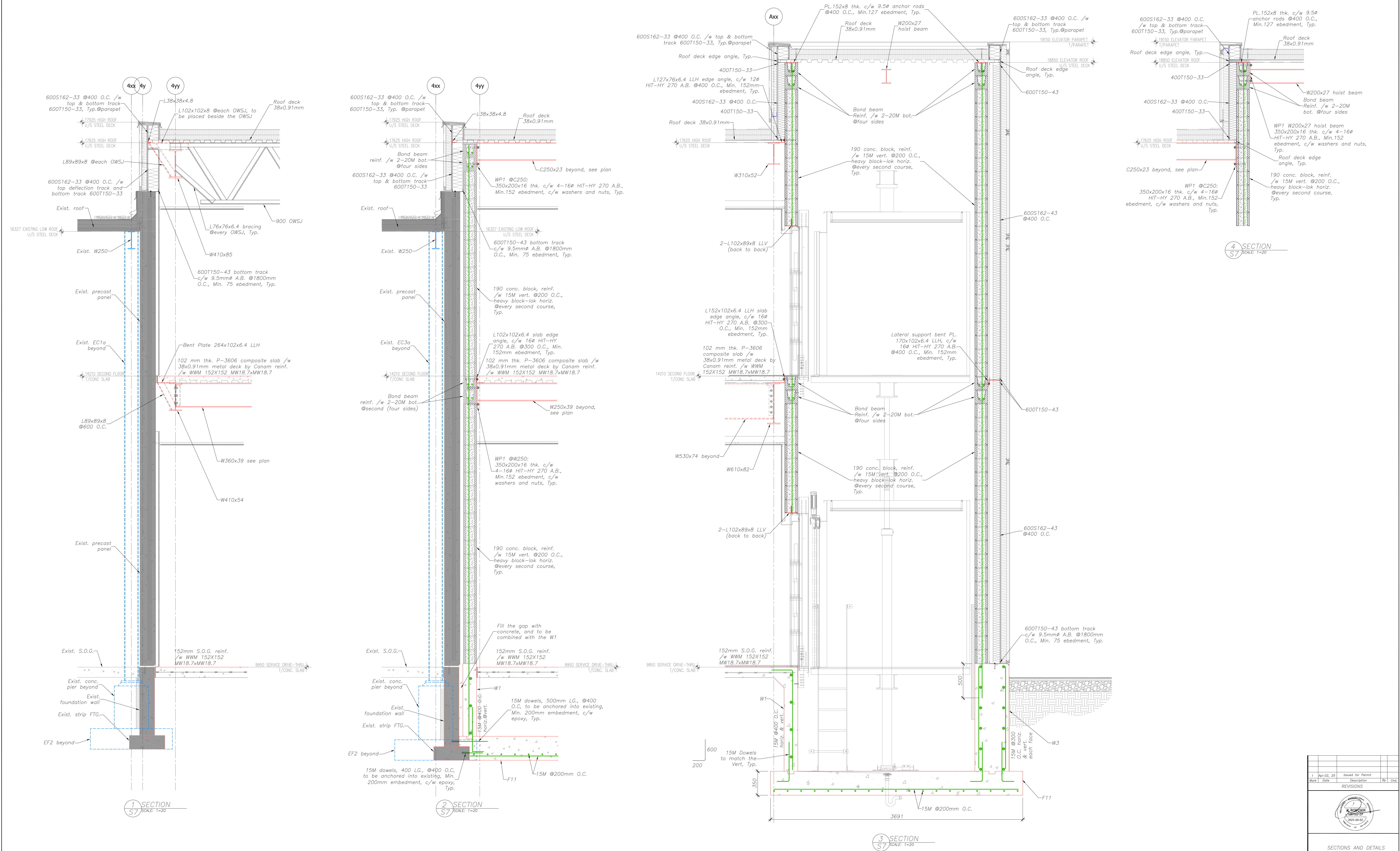


1	Apr-02, 25	Issued for Permit			
Drawn	Date	Description			By
REVISIONS					
					
SECTIONS AND DETAILS					
Clarington Toyota Bowmanville, Ontario					
DESIGNED	DRAWN	CHECKED	JOB NO.		
G.O.	2000	P.R.	23-59		
APPROVED	IN P.E.	DATE	SHEET NO.		
		Dec. 2023	S5		
ROAD AS SHOWN					
		RG Engineering Ltd. 8901-104th Ave. #100 Unit 10 24 Pioneer Ave., Richmond, B.C. V6V 1G7 1-800-767-4141 or 604-273-0666 or 604-273-0667			

1	Apr-02, 25	Issued for Permit Description:			
Memo	DISTO				O/S
REVISIONS					
SECTIONS AND DETAILS					
Clarington Toyota Bowmanville, Ontario					
SHEET NO.	C.D.C.	DATE	P.R.	JOB NO.	
				237-59	
APPROVED BY		DATE	DESCRIP.	SHEET NO.	
RAC	AS SHOWN	DEC. 2023		S6	
RG	RG Engineering Ltd. 8 West-Corona Rd. 24 Reserve Ave. Richmond Hill, ON L4B 1G7 TEL: 905-709-4141 FAX: 905-709-4142 email: info@rgengineering.com				



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2	Apr 02, 25	Issued for Permit	By	Chd.
3	Apr 02, 25	Issued for Permit	By	Chd.
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5	Apr 02, 25	Issued for Permit	By	Chd.
6	Apr 02, 25	Issued for Permit	By	Chd.
7	Apr 02, 25	Issued for Permit	By	Chd.
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9	Apr 02, 25	Issued for Permit	By	Chd.
10	Apr 02, 25	Issued for Permit	By	Chd.
11	Apr 02, 25	Issued for Permit	By	Chd.
12	Apr 02, 25	Issued for Permit	By	Chd.
13	Apr 02, 25	Issued for Permit	By	Chd.
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15	Apr 02, 25	Issued for Permit	By	Chd.
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18	Apr 02, 25	Issued for Permit	By	Chd.
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20	Apr 02, 25	Issued for Permit	By	Chd.

REVISIONS

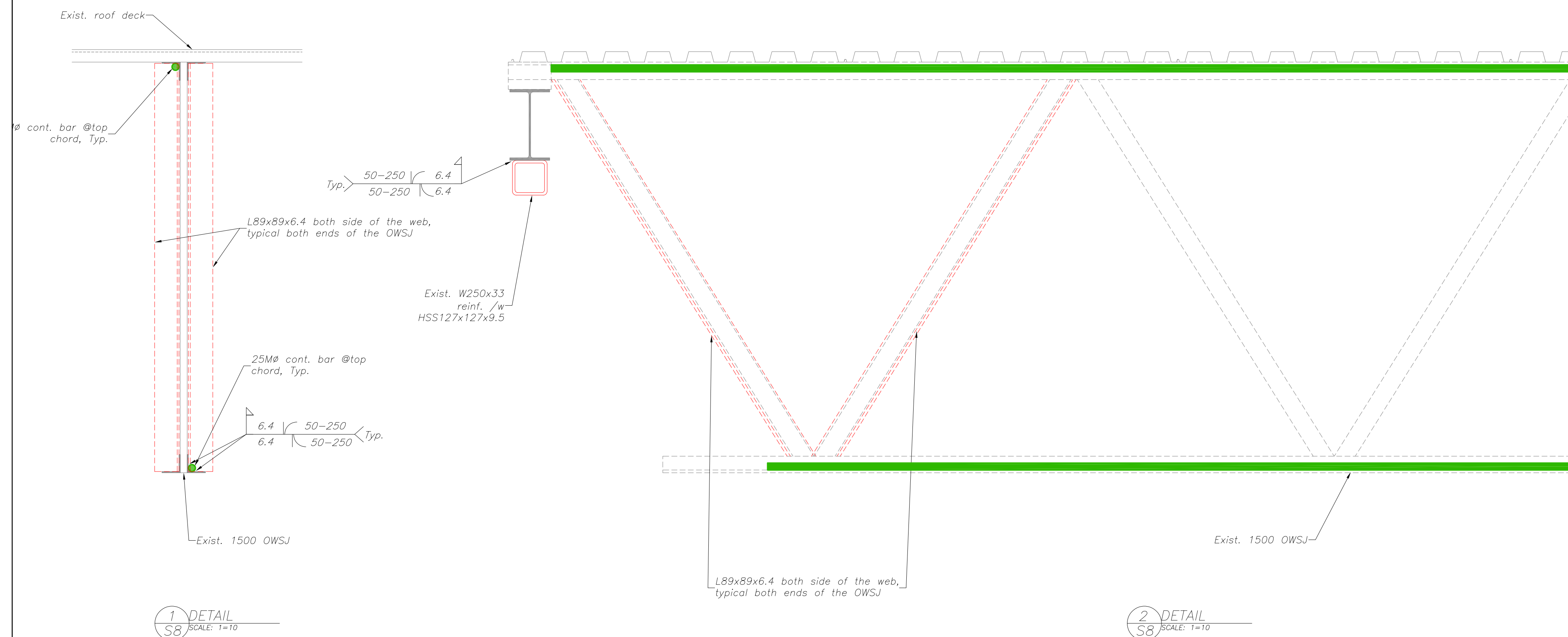
SECTIONS AND DETAILS

Clarington Toyota
Bowmanville, Ontario

SCALE: 1=20

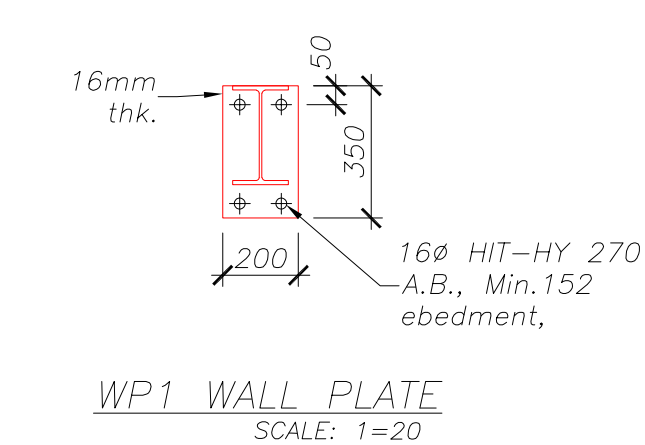
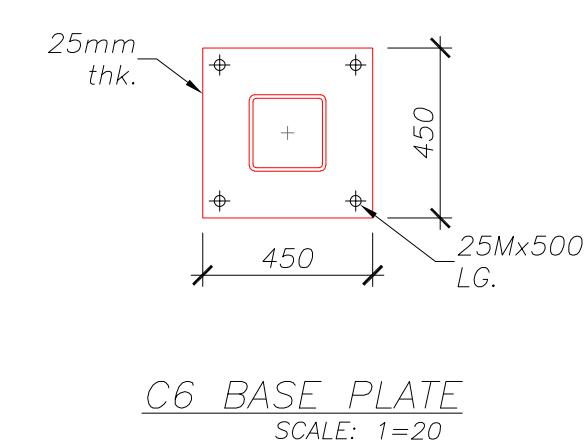
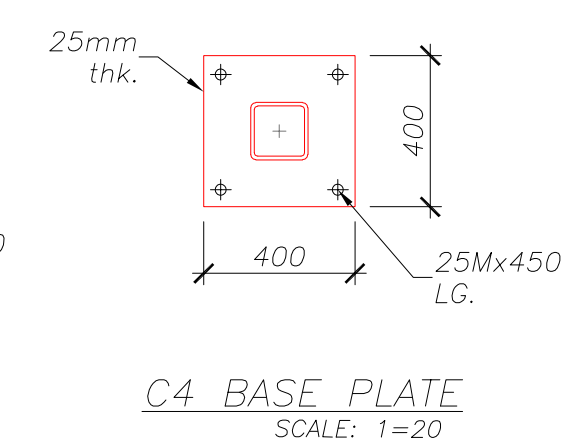
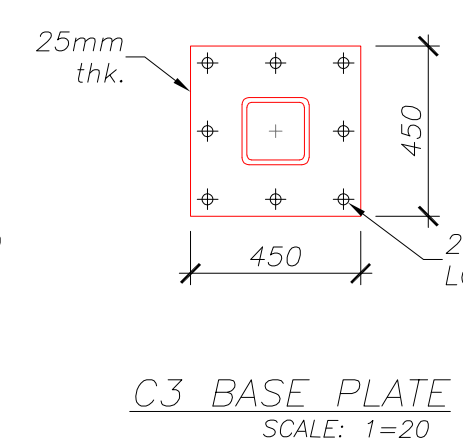
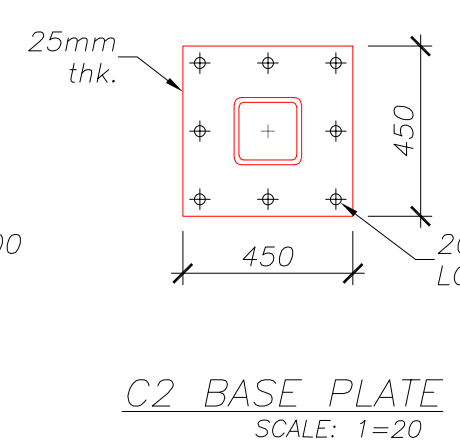
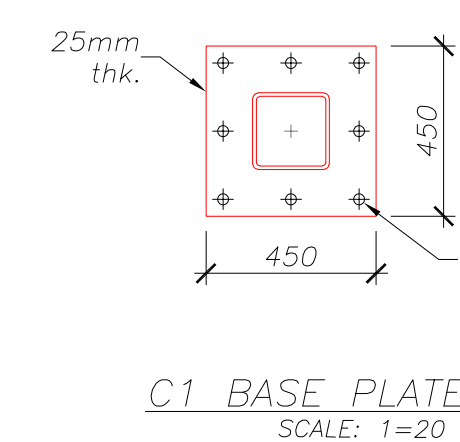
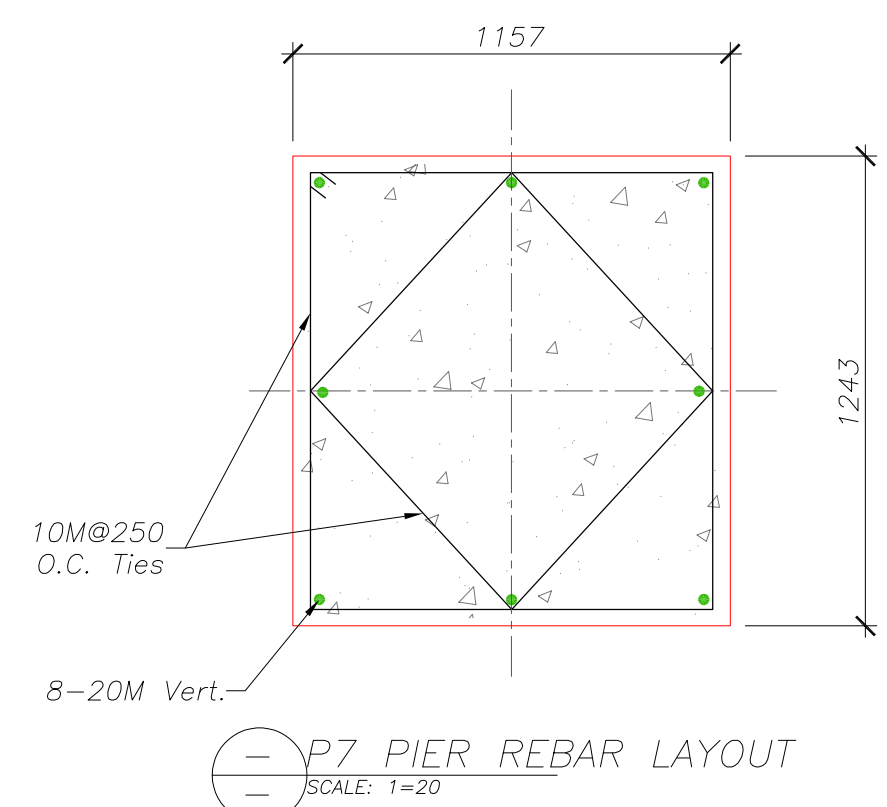
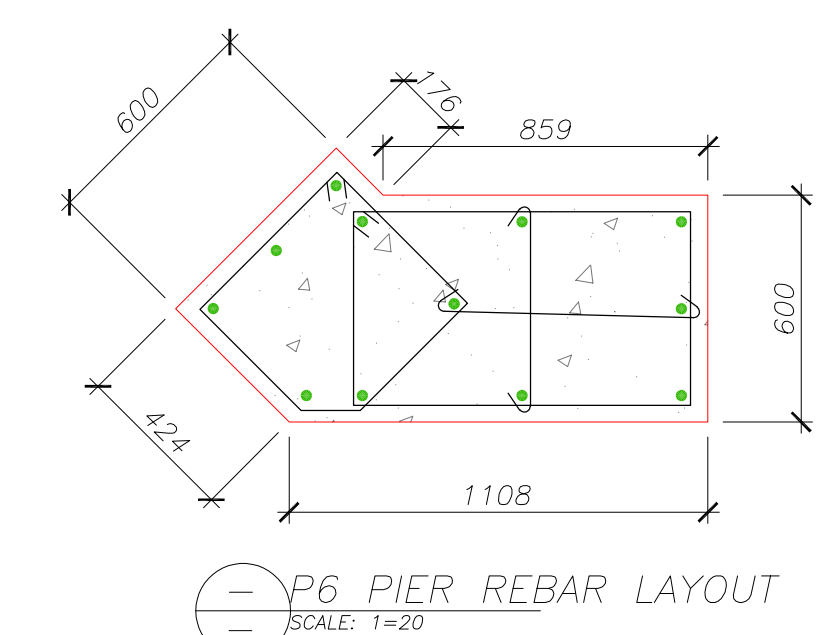
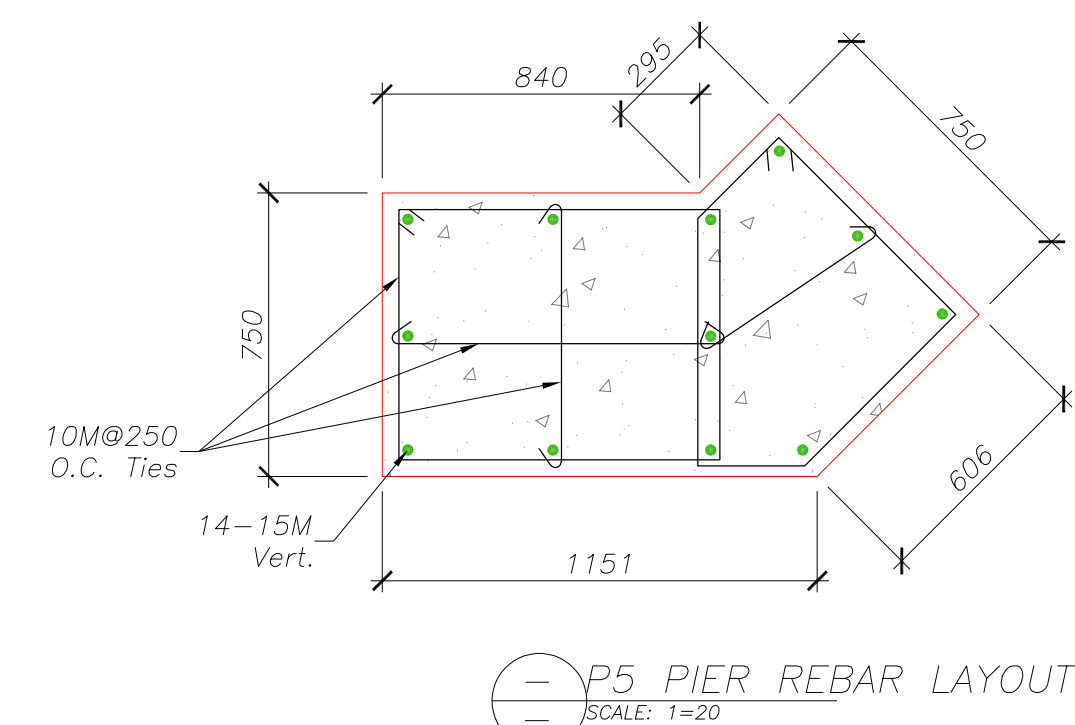
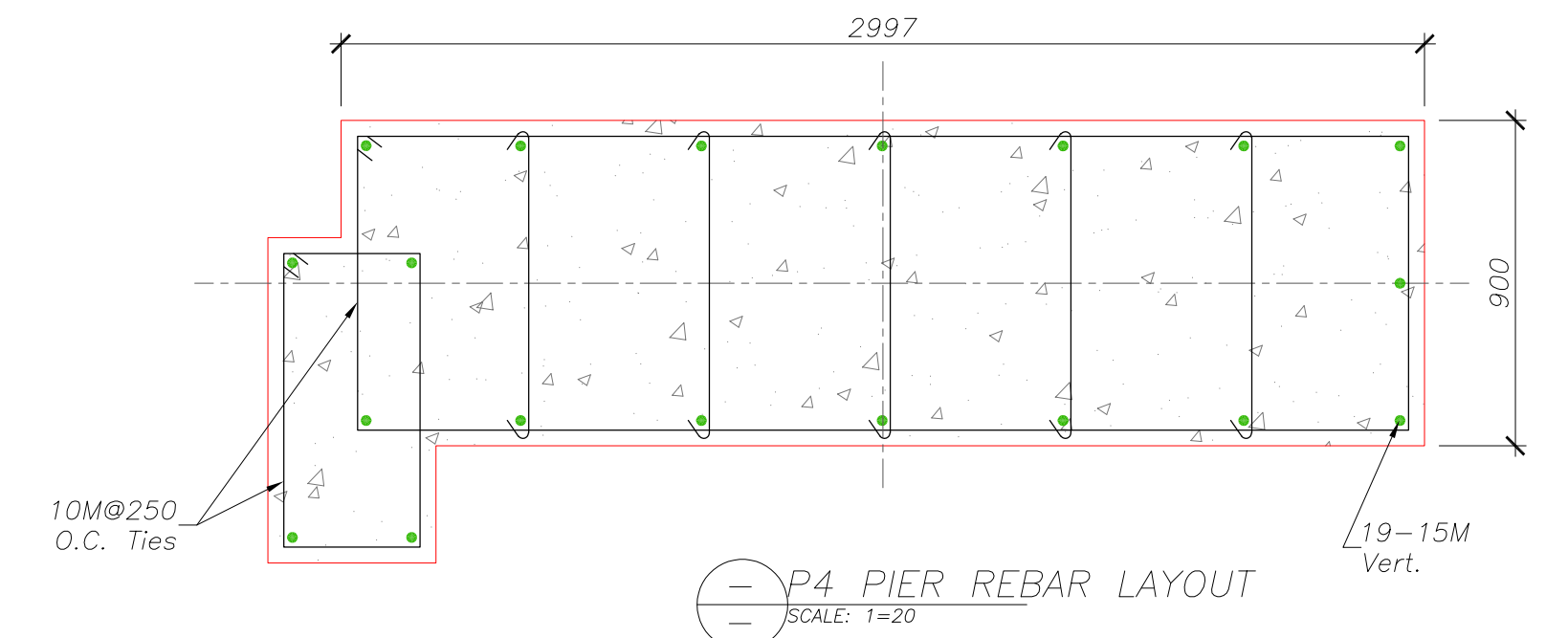
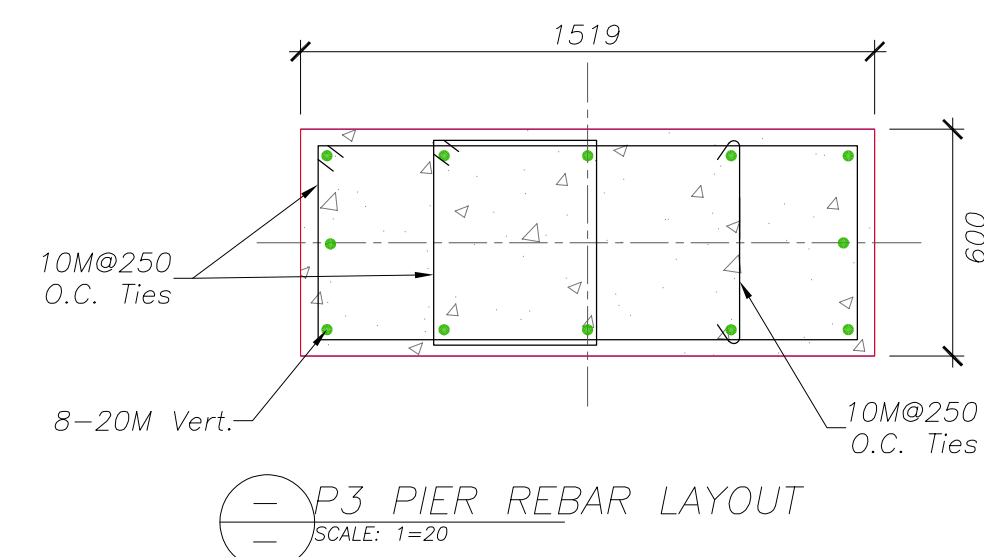
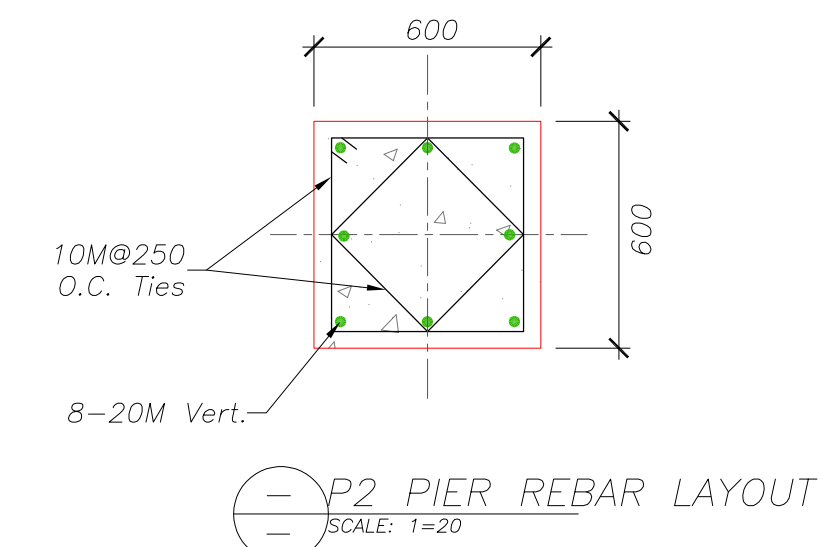
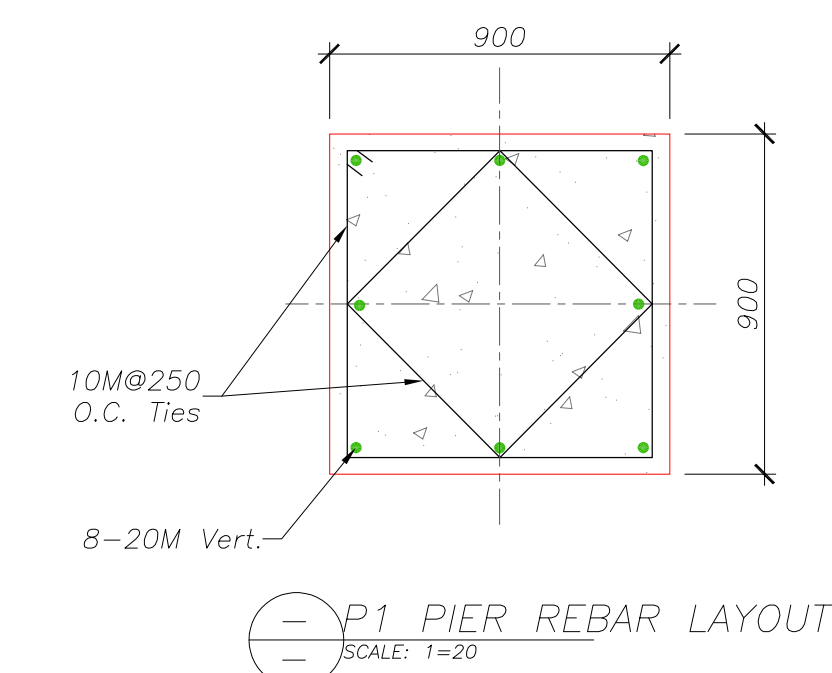
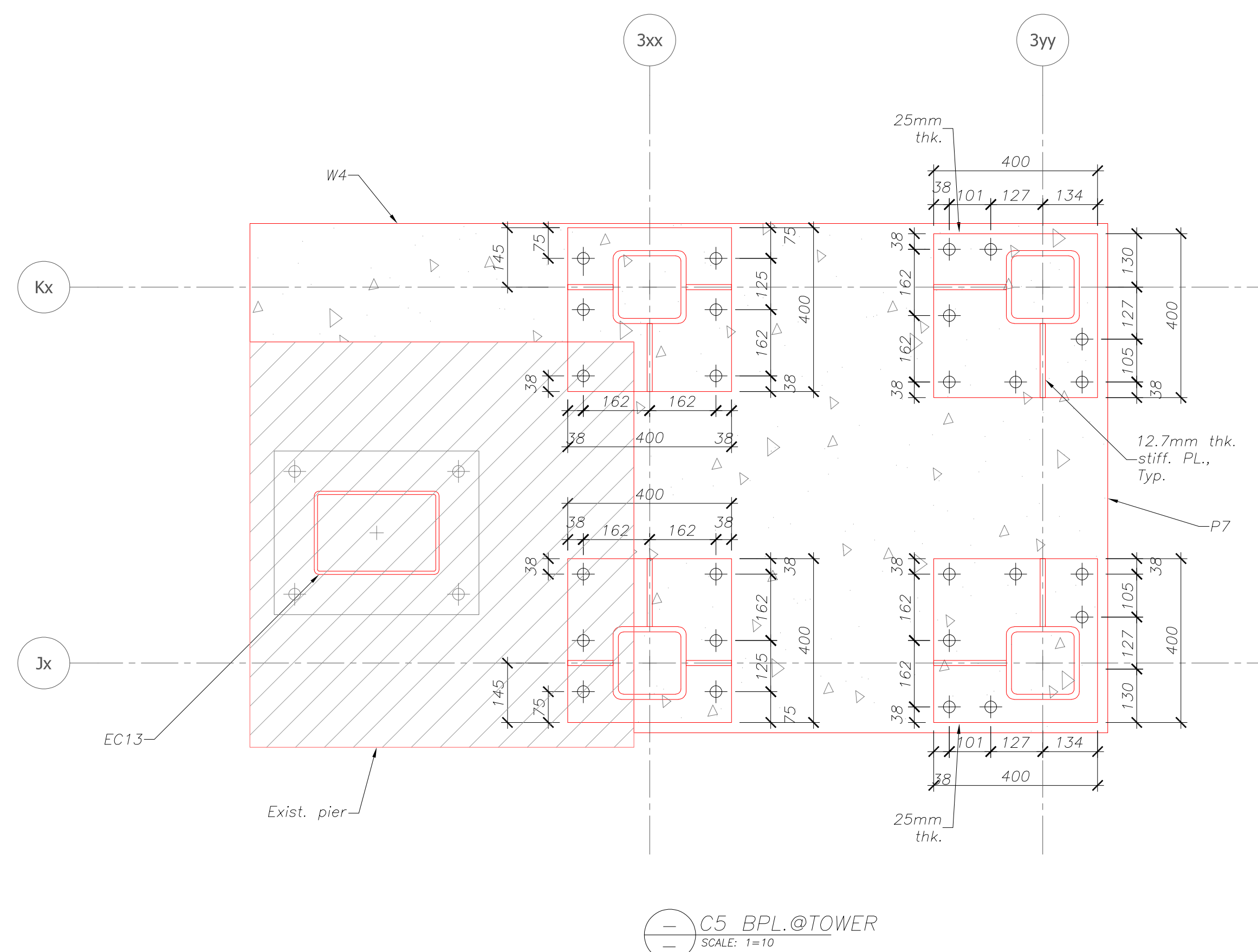
RG Engineering Ltd.

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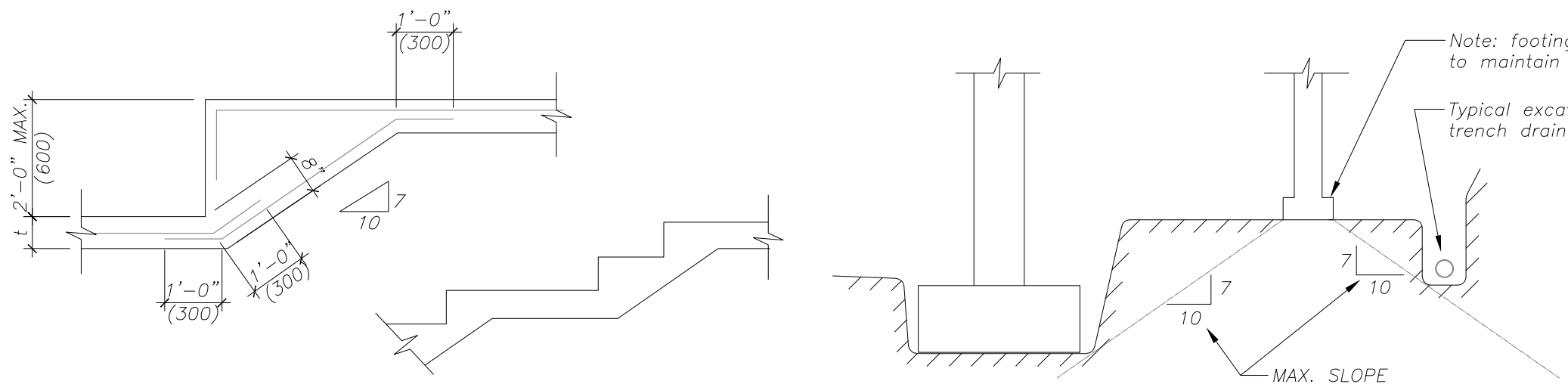


REINFORCING NOTES:

1. Top chord of exist. OWSJ to be reinforced /w 25M $\emptyset$ cont. bar @one side.
2. Bottom chord of exist. OWSJ to be reinforced /w 25M $\emptyset$ cont. bar @one side.
3. Two diagonal members of exist. OWSJ both ends to be reinf., /w L89x89x6.4, each side of the web @each diagonal member, Typ.

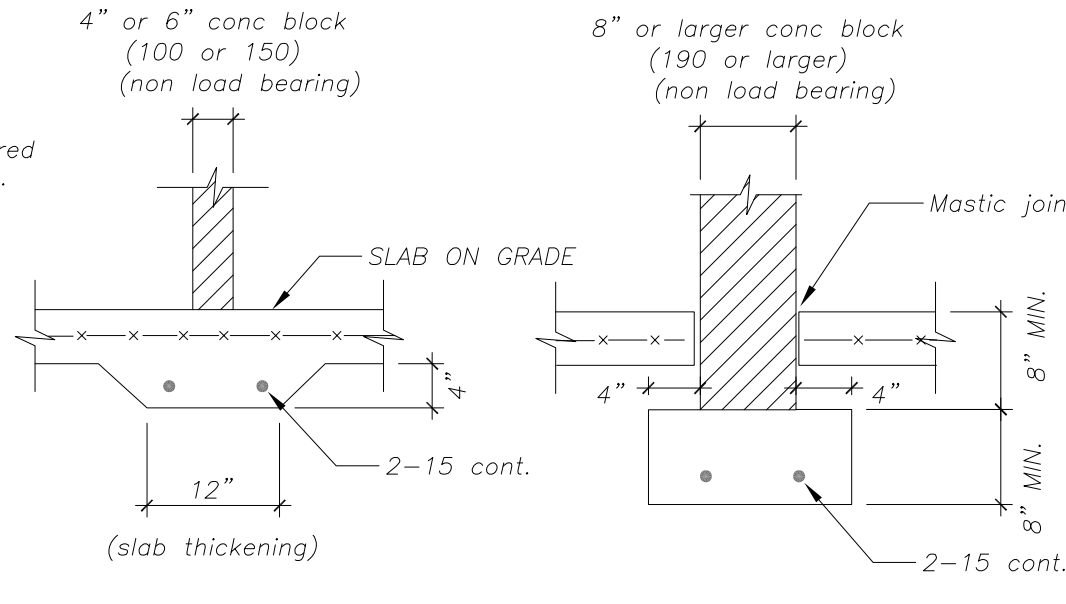


1	Apr 02, 25	Issued for Permit		
2	Issue	2010	Expiration	04 CNE
REVISONS				
SECTIONS AND DETAILS				
Clarington Toyota Bowmanville, Ontario				
DESIGNED G.O.	CHECKED G.O.	DATE R.R.	JOB NO. 23-593	
APPROVED R.R.		DATE Dec. 2023		
AS SHOWN			S8	Dr 9
RG Engineering Ltd. 1400 Highway 10, Bowmanville, ON, L4C 6A7 Tel: (905) 476-1234 Fax: (905) 476-1235				

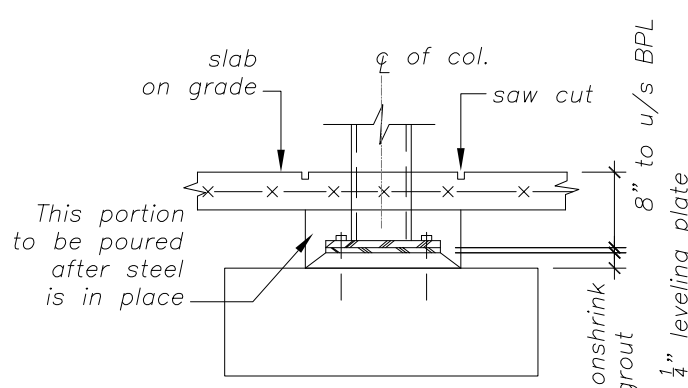


TYP. STEPPED FOOTING
Scale: NTS

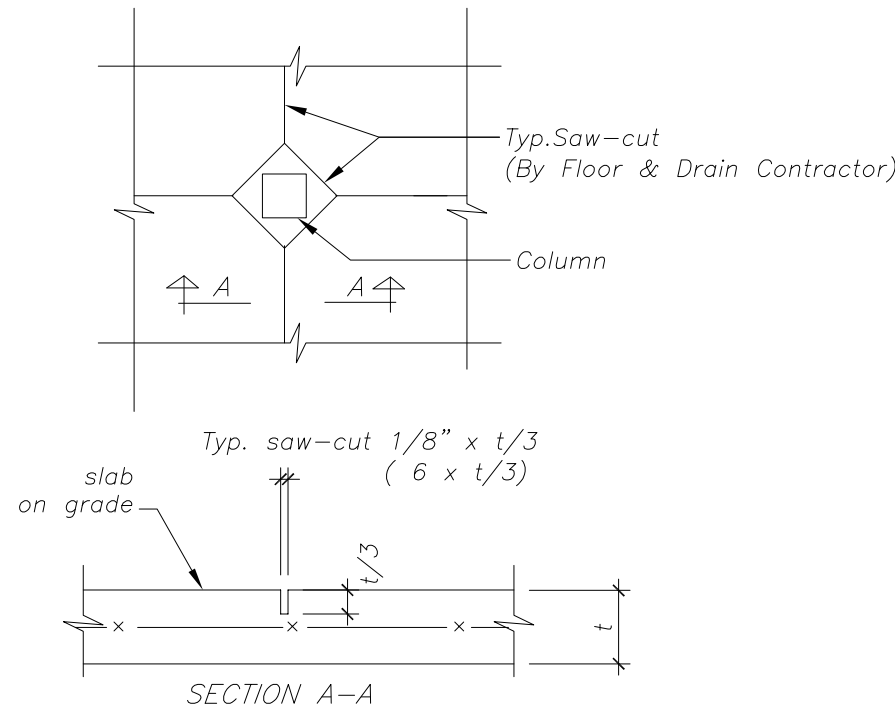
TYP. DETAIL OF ADJACENT FOOTING
Scale: NTS



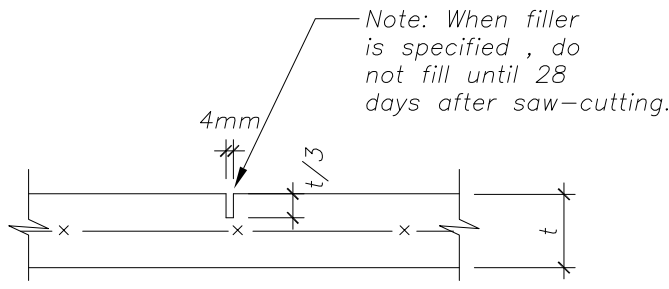
TYP. INTERIOR WALL FOOTINGS
(UNLESS OTHERWISE NOTED ON PLAN OR SECTIONS)
Scale: NTS



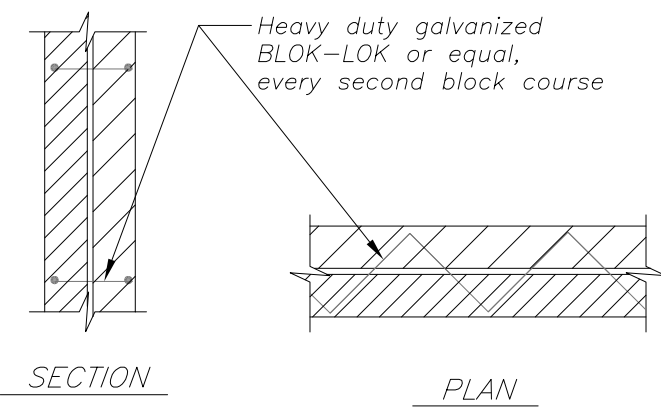
TYP. INTERIOR CO. FTG.
Scale: NTS



TYPICAL SAW-CUT DETAIL
(400 sq.ft. maximum)
Scale: NTS

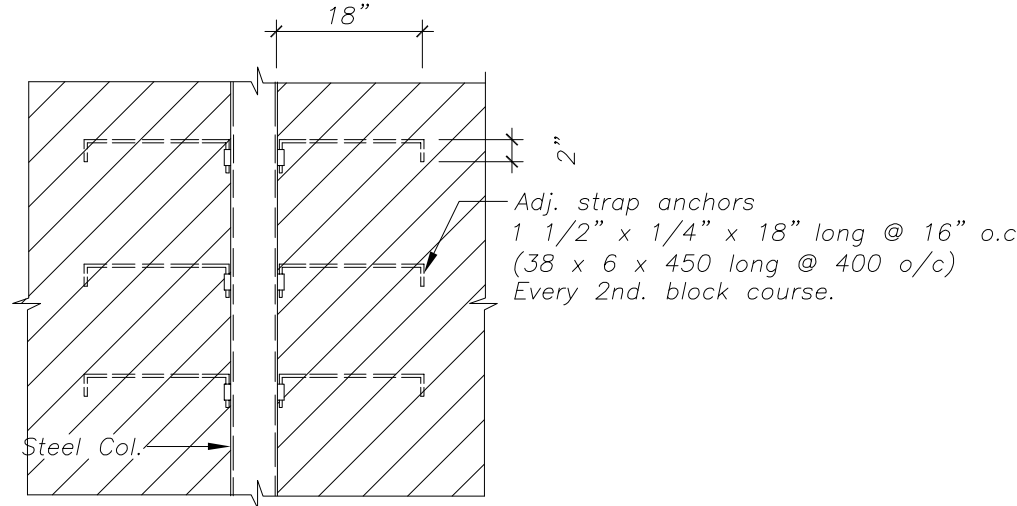


TYP. SLAB ON GRADE SAW-CUT
Saw-cuts; Interior slabs on grade 20'-0" (6000mm)
Exterior side walks 8'-0" (2400mm) max.
Scale: NTS

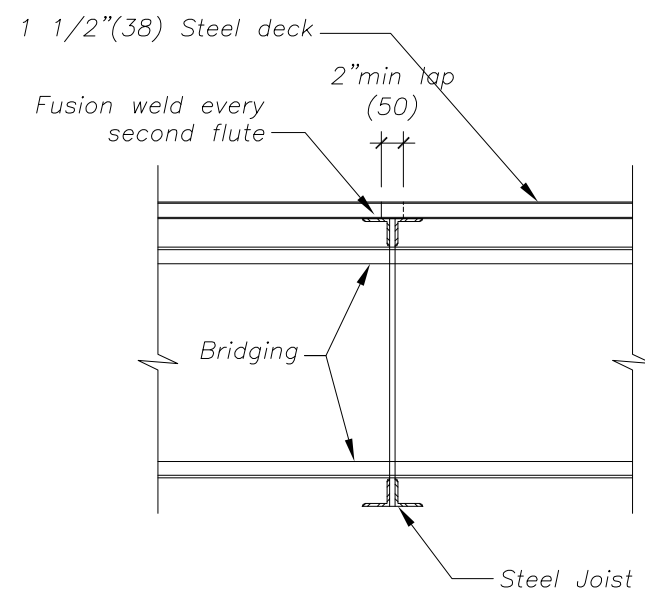


MASONRY WALL REINFORCING
(UNLESS OTHERWISE NOTED ON PLAN OR SECTIONS)
Scale: NTS

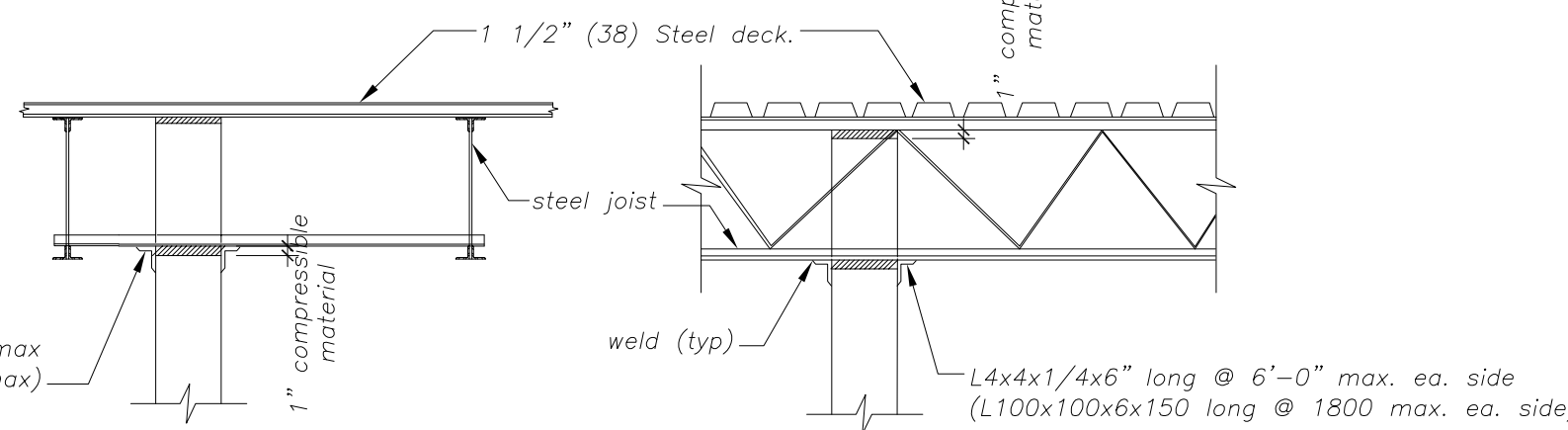
TYP. COLUMN TO MASONRY TIES
Scale: NTS



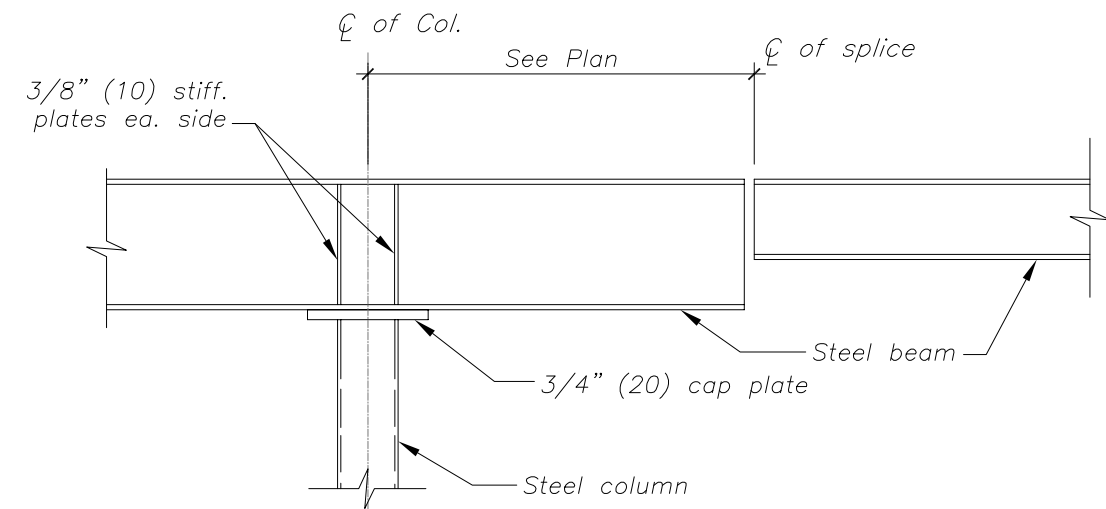
TYP. COLUMN TO MASONRY TIES
Scale: NTS



TYPICAL LAPPING OF STEEL DECK
Scale: NTS

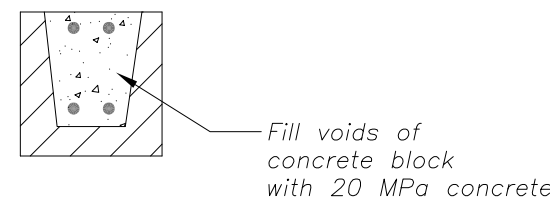


TYP. BRACING OF 4" AND 6" CONCRETE
BLOCK PARTITION WALL
Scale: NTS



TYPICAL CANTILEVERED BEAM
Scale: NTS

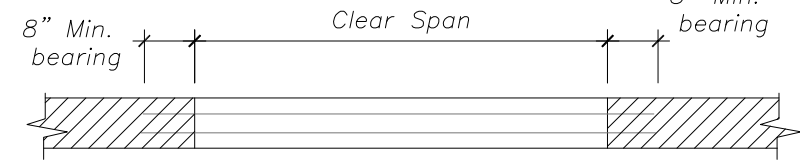
BLOCK LINTEL SCHEDULE		
Wall thickness	Up to 4'-0"	4'-0" to 5'-10"
4" Block	1-10M T&B	1-10M T&B
6" Block	1-10M T&B	1-15M T&B
8" Block	1-15M T&B	2-15M T&B



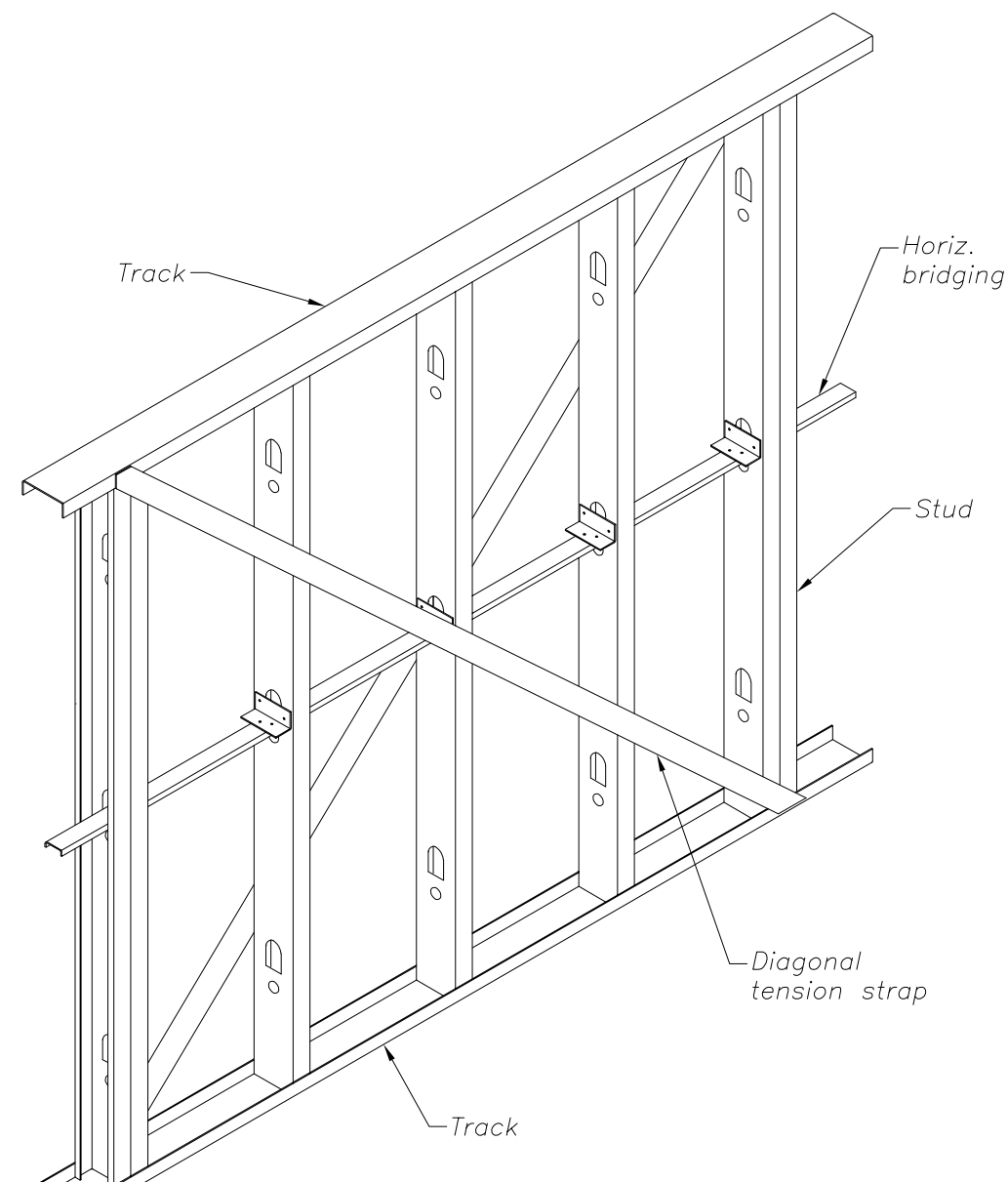
TYP. CONC. BLOCK LINTEL
Scale: NTS

Clear span	8" wall		10" wall	
	Material	type	Material	type
Up to 4'-0"	2L90x90x6	LL	1L125x90x6 LLH	LL
4'-0" to 5'-10"	2L100x90x6 LLV	LL	1L100x90x6 LLV	LL
5'-10" to 6'-10"	2L125x90x6 LLV	LL	1L125x90x8 LLV	LL

All double angles to be bolted or stitch welded together



TYPICAL ANGLE LINTEL SCHEDULE U/U
TYP. FOR NON LOAD BEARING WALLS ONLY
Scale: NTS



TYPICAL LSF WALL DETAIL
Scale: 1/4"=1'-0"

GENERAL NOTES:

- All dimensions given on the structural drawings MUST BE checked with the Architectural drawings and any inconsistencies reported to the architect before proceeding with the work.
- The maximum slope between adjacent excavations for footings or along stepped footings shall not exceed a rise of 7 in a run of 10, maximum step of approximately 24" (600 mm).
- See Architectural elevations for stepping of wall footings.
- Holes in structural elements shall only be as detailed or noted on structural drawings, or on approved mechanical Contractor's sleeve diagrams.
- Design loads as shown on structural drawings SHALL NOT BE exceeded during construction.
- Basement and Ground Floor Framing MUST BE in place before back filling.
- Shoring for the exist. structures to remain must be installed prior to carry any demolition activities.
- Shoring can be removed only after the new structural members are installed.
- The shoring towers shall be installed securely underside of exist. beams or top chord of OWSJs, and continuously to the top of basement slab.
- All guards and railing shall confirm to supplementary standard SB-7 of O.B.C.
- The contractor shall take all necessary precautions, so as not to damage existing remain structures.

CONCRETE:

- Concrete shall have a minimum compressive strength of 25 MPa at 28 days, unless otherwise noted on plan.
- Main reinforcing shall be deformed, billet or rail steel, with a minimum ultimate yield strength of 400 MPa
- Reinforcing for masonry walls shall conform to CSA-S304.1-04.
- Minimum concrete protection for reinforcement near surfaces of concrete placed:
 - against earth 3" (75mm)
 - in forms & exposed to earth & weather as follows:
 - 20mm & larger 2" (50mm)
 - 15mm & smaller 1.5" (40mm)
 - in beams (to ties) 1.5" (40mm)
 - in columns (to ties) 1.5" (40mm)
 - in slabs 1" (25mm)
- Laps for reinforcing shall conform to CSA standards A23.3-04.
- Maximum slump for concrete shall be 3" (75mm).
- At openings in concrete walls, add 2-15 bars at heads, jambs and sills unless otherwise noted.

STRUCTURAL STEEL:

- Structural steel shall conform to CSA standard CAN3-S16.1-01 and to G40.21-350W class H.
- Steel joists shall conform to NBC-05, S16.1-01, S136-07, and CSA-W59-03(R2008) or latest edition.
- The contractor shall take all necessary precautions in pouring concrete over joists to avoid lateral deflection and twisting of joists. This applies particularly to the free ends of joist runs and loose supports.
- Where joists bear on steel, every joist shall be welded to the steel.
- Contractor shall submit shop drawing for engineer's review

LINTELS:

- All openings in masonry walls shall be spanned by lintels as required by the specifications, unless otherwise noted.

MASONRY:

- All structural masonry elements have been designed in accordance with latest edition. Masonry design for buildings based on engineering analysis.
- Provide lintels as specified over all openings in masonry walls shown on typical angle lintel schedule.
- Lintels shall bear completely on solid concrete block wythe. Lintels shall in no case bear on brick wythe if required. composite, cavity or veneered walls. Length of lintels shall be adjusted to compensate for brick wythe if required.
- All intersecting masonry walls to have mechanical tie reinforcing at maximum of 16" vertically.
- Mortar for masonry walls shall be type 'S' as defined in CSA-CAN3-S304.1-04, U.O.N. Mortar may be premixed conforming to the above specifications.
- All masonry shall be reinforced with block-loc masonry reinforcing placed horizontally in the joints at every 2 courses c/c vertically unless noted otherwise. For combination brick and block use adjustable econo-loc BL40 or BL20, or equivalent.
- All collar and head joints shall be completely filled with mortar.
- All concrete block shall have a minimum ultimate compressive strength of 20Mpa based on the net area.

MASONRY TIES:

- Masonry veneer shall be tied to back-up structure as per O.B.C. 2006, cl. 9.20.9.5.
- Masonry pier shall be laterally supported as per O.B.C. 2006, cl. 9.20.10.

BEARING ON MASONRY:

- Concrete and steel beams shall have a minimum bearing of 8" (200mm) unless otherwise noted. Lintels shall have a minimum length of bearing of 8" (200mm) unless otherwise noted.
- Pads shall be solid units. Voids shall be prefilled with minimum 15 MPa concrete. PADS shall have a minimum depth equal to the dimension of bearing measured parallel to the wall, but not less than 8" (200mm). They shall have a minimum length equal to twice this dimension, pads shall be as thick as the wall.

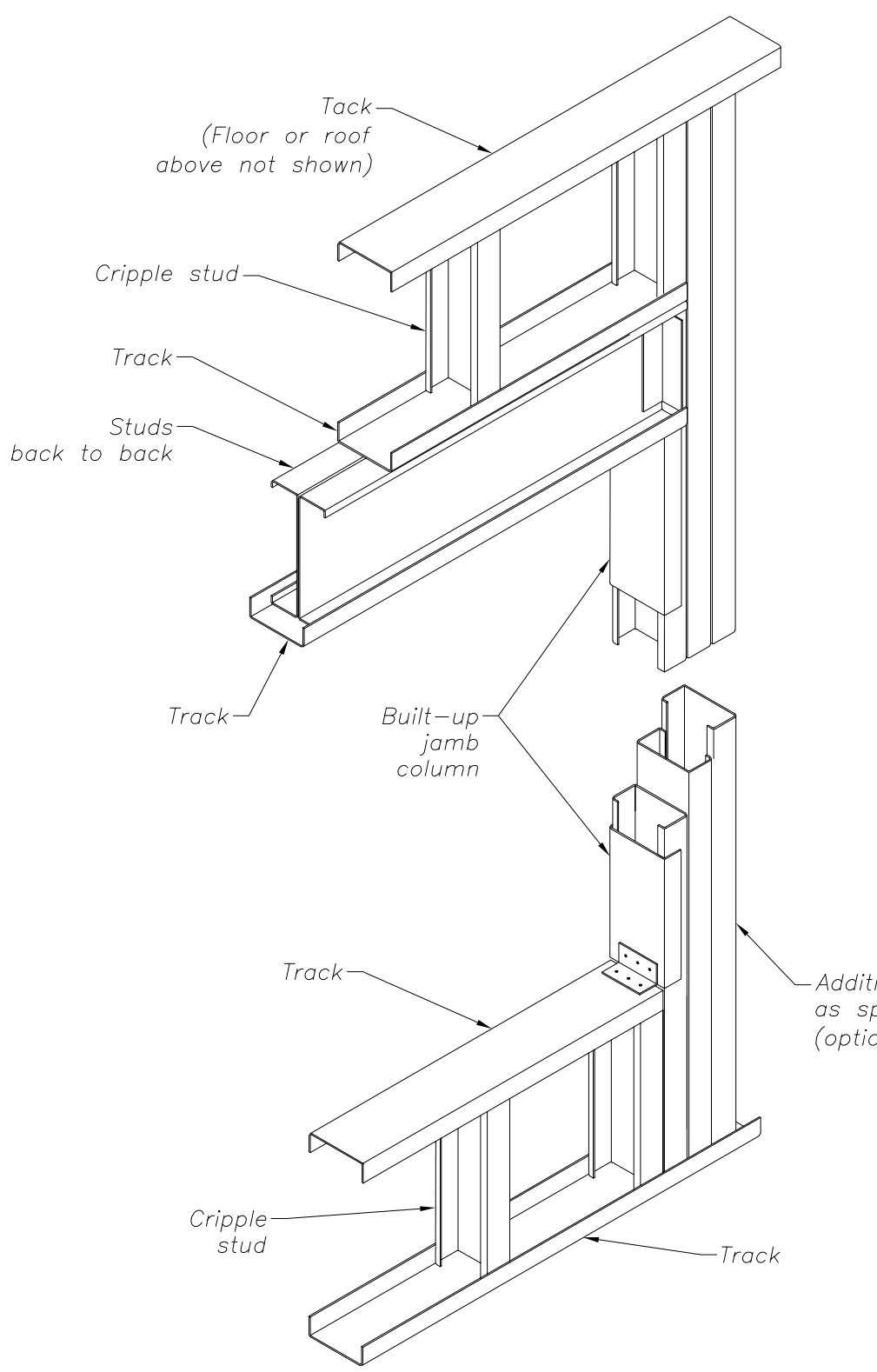
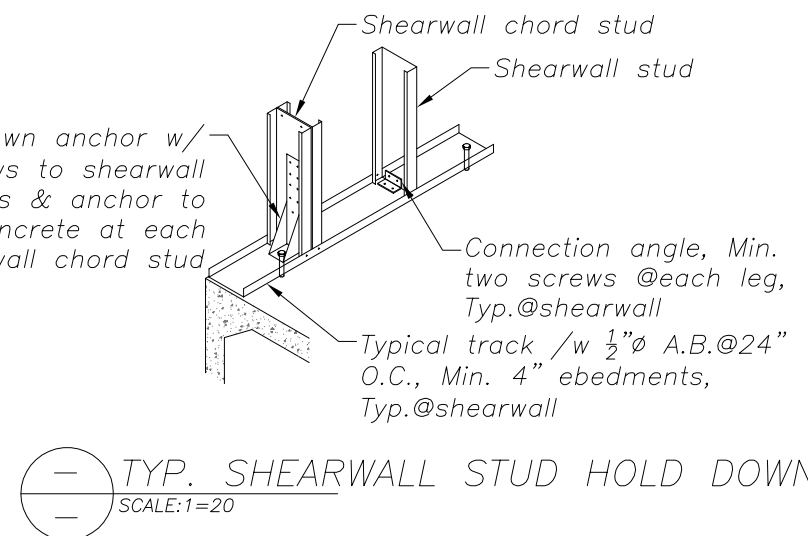
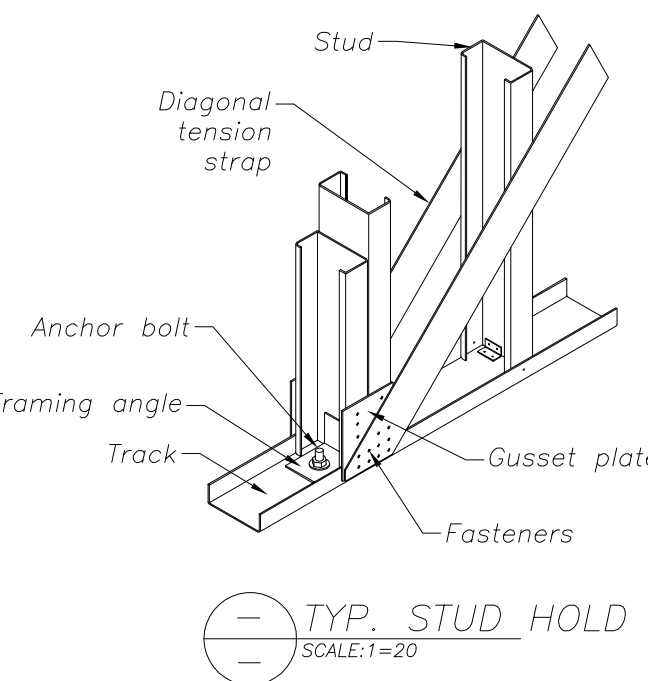
- concrete slabs shall have a minimum length of bearing of 6" (150mm) unless otherwise noted.
- Concrete slabs and steel joists shall bear on a minimum depth and thickness of 8" (200mm) of solid units.

SHOP PAINTING:

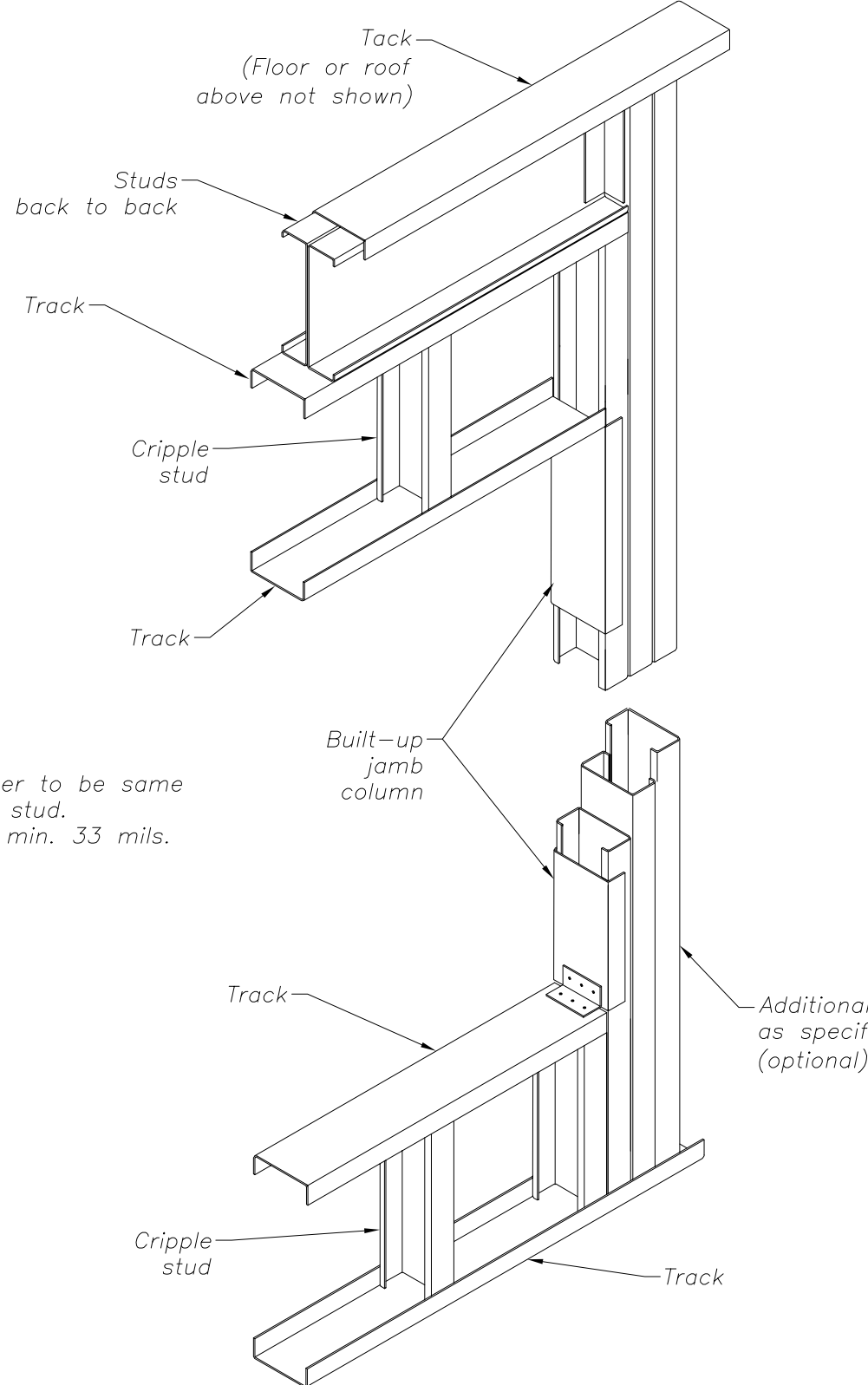
- Clean, prepare surfaces and shop prime structural steel in accordance with CSA S16.1-01 and CSA S136-07.
- Paint steel members under cover in shop and keep them under cover until paint has dried.
- Where only shop coat of paint is applied, clean and prepare surfaces to meet specified requirements of CISC/CPMA Standard 1-73A or latest edition.
- Where prime paint is applied for further top coating, clean and prepare surfaces to meet specified requirements of CISC/CPMA Standard 2-75 or latest edition.
- Remove paint for a least 50mm beyond surfaces which are welded after painting.
- Do not paint surfaces to be field welded, that are in contact at bolted friction type connections or that are encased in or in contact with concrete.
- Except where no painting or another type of coating is specified, give surfaces of steel one coat of shop coat paint.

STEEL STUDS:

- Structural steel shall conform to the requirements of CAN/CSA-136 and shall be identified as to specification, type, grade and mechanical properties.
- Wall members forming part of exterior building shall have a minimum coating of Z180 galvanizing in accordance with A525M. Other coatings (e.g. aluminium-zinc alloy) providing equal or better corrosion protection may be used.
- Interior members not forming part of the exterior envelope shall have a minimum coating of Class C electrogalvanizing in accordance with A591.
- Sheet metal screws shall have a minimum coating thickness of 0.0003" (0.008mm) of zinc or cadmium.
- All steel screws shall be of the minimum diameter indicated on the shop drawings.
- Penetration beyond joined materials shall not be less than three exposed threads.
- Thread types and drilling capability shall conform to the manufacturer's recommendations. Screws covered by sheathing materials shall have low profile heads.
- Companies engaged in welding shall be certified by the Canadian Welding Bureau to CSA Standard W47.1. Companies shall have welding procedures approved and welders qualified for the base material types and thicknesses that are not to be welded.
- Welds shall conform to CSA W59 and/or ANSI/AWS D1.3, whichever is applicable.
- Touch-up welds with zinc rich paint.



WALL OPENING WITH LOWER LINTEL
Scale: 1/4"=1'-0"



WALL OPENING WITH UPPER LINTEL
Scale: 1/4"=1'-0"

NOTE:
The structural drawings are to be read in conjunction with the architectural drawings and any inconsistencies to be reported to the architect before proceeding with work. All points of the structural drawings are the property of RG Engineering Ltd. and are not to be copied or reproduced in any form without the written permission of RG Engineering Ltd. All prints must be returned upon request to RG Engineering Ltd.

REVISIONS			
No.	Date	Description	By
1	Apr 02, 25	Issued for Permit	
DETAILS AND NOTES			
Clarington Toyota Bowmanville, Ontario			
SCALE: 1/4"=1'-0"	SCALE: 1/4"=1'-0"	SCALE: 1/4"=1'-0"	SCALE: 1/4"=1'-0"
DATE: 2023-04-02	DATE: 2023-04-02	DATE: 2023-04-02	DATE: 2023-04-02
BY: RG	BY: RG	BY: RG	BY: RG
RG Engineering Ltd. 1000 Highway 10, Bowmanville, Ontario L7C 4P1 Tel: (905) 881-1111 Fax: (905) 881-1112 Email: info@rgeng.com			