

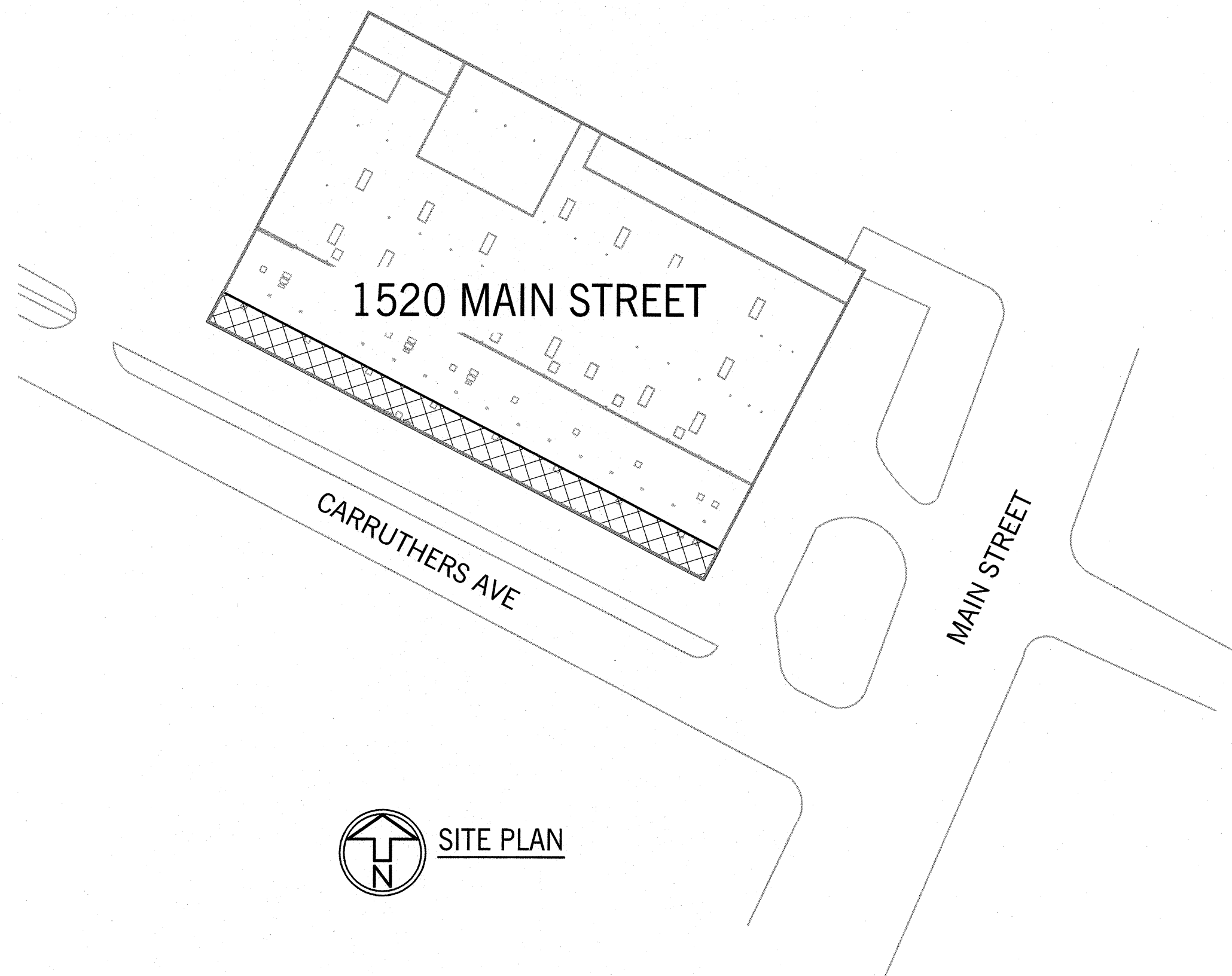
WINNIPEG TRANSIT NORTH GARAGE

2017 STRUCTURAL REPAIRS

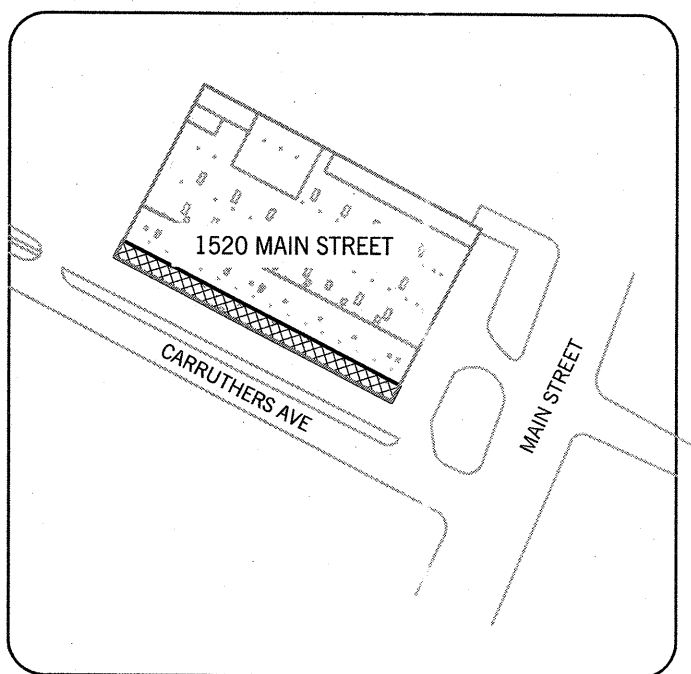
1520 MAIN STREET
WINNIPEG, MANITOBA

DRAWING INDEX

- S0.1 COVER PAGE, SITE PLAN, DRAWING INDEX AND GENERAL NOTES
- S2.1 FLOOR PLAN
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- S4.1 SECTIONS AND DETAILS
- S4.2 SECTIONS AND DETAILS
- S5.1 TYPICAL SECTION AND DETAILS
- S5.2 TYPICAL SECTION AND DETAILS




- GENERAL NOTES**
- STRUCTURAL DESIGN BASED ON THE MANITOBA BUILDING CODE 2011 EDITION.
 - A) IMPORTANCE CATEGORY: NORMAL
 - SEISMIC SITE CLASSIFICATION: NOT APPLICABLE
 - DO NOT SCALE DRAWINGS
 - DO NOT BACKFILL UNTIL GROUND FLOOR STRUCTURE IS IN PLACE AND BASEMENT SLABS HAVE BEEN POURED AND CURED.
 - ALL DIMENSIONS ARE TO BE VERIFIED WITH THE DRAWINGS AND EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
 - THESE STRUCTURAL DRAWINGS SHOW THE COMPLETED STRUCTURE AND DO NOT INDICATE ALL COMPONENTS NECESSARY FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY ON AND AROUND THE JOBSITE DURING CONSTRUCTION.
- STRUCTURAL STEEL**
- THE STRUCTURAL STEEL FABRICATOR'S ENGINEER SHALL BE RESPONSIBLE FOR LOCATING AND DESIGNING PROVISIONS FOR ALL TEMPORARY FALL PROTECTION SYSTEMS REQUIRED DURING CONSTRUCTION TO MEET MANITOBA WORKPLACE HEALTH AND SAFETY REGULATIONS.
 - STRUCTURAL STEEL TO CONFORM TO CSA-C40.21, "STRUCTURAL QUALITY STEELS" AND CSA-C40.20 "GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL."
 - ALL ROLLED OR STEEL STRUCTURAL SECTIONS SHALL BE G40.21-S0W. ALL HOLLOW STRUCTURAL SECTIONS TO BE G40.21-S0W CLASS C. ALL ANGLES, CHANNELS AND PLATES SHALL BE G40.21-44W.
 - FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE PERFORMED IN ACCORDANCE WITH CAN/CSA S16-14, "STEEL STRUCTURES FOR BUILDINGS".
 - ALL WELDING SHALL CONFORM TO THE LATEST EDITION OF CSA W58, "WELDED STEEL CONSTRUCTION". FABRICATORS SHALL BE PROPERLY CERTIFIED IN ACCORDANCE WITH CSA W47.1, "CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES".
 - ALL BOLTED CONNECTIONS TO USE A325 HIGH STRENGTH BOLTS. MINIMUM CONNECTION SHALL CONSIST OF 2 BOLTS.
 - STEEL RECEIVING FINISH PAINTING TO HAVE ONE COAT OF CISO/CPMA 2-75 QUICK DRYING GREY SHOP PRIMER. STEEL TO BE CLEANED IN CONFORMANCE WITH SSPC-SP7. STEEL TO BE FINISH PAINTED WITH TWO COATS OF SAFETY YELLOW TO MATCH EXISTING COLUMNS.
 - ANCHOR BOLTS TO BE MINIMUM GRADE ASTM A307.
 - FABRICATOR TO NOTIFY ENGINEER OF ANY PROPOSED MEMBER SUBSTITUTIONS AND CHANGED CONNECTION DETAILS.
 - STRUCTURAL STEEL SUPPLIER IS TO SUBMIT ENGINEERING DRAWINGS BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA COVERING THE DESIGN OF CONNECTIONS. TO THE PROJECT DESIGN ENGINEER FOR REVIEW PRIOR TO FABRICATION. CONNECTION DESIGN TO INCLUDE FOR ALL ADJUSTABLE CONNECTIONS REQUIRED TO SUIT FABRICATION AND ERECTION PROCEDURES AND TOLERANCES.




KEY PLAN

The General Contractor shall check & verify all dimensions and report any errors or omissions to the designers.

No.	Date	Issue/Revision	By
0	2017-08-15	ISSUED FOR CONSTRUCTION	IM



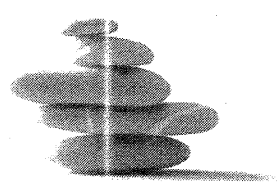
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Crosier Kilgour & Partners Ltd.
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2017 Aug 15

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CONSULTING STRUCTURAL ENGINEERS

Project

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NORTH GARAGE
2017 STRUCTURAL REPAIRS
1520 MAIN STREET
WINNIPEG, MANITOBA**

Sheet Title

**COVER PAGE, SITE PLAN, DRAWING INDEX
AND GENERAL NOTES**

File	2017-0210	Date	2017-08-15
Design	IM	Drawn	LL
Revision	Sheet No.		
0	S0.1		