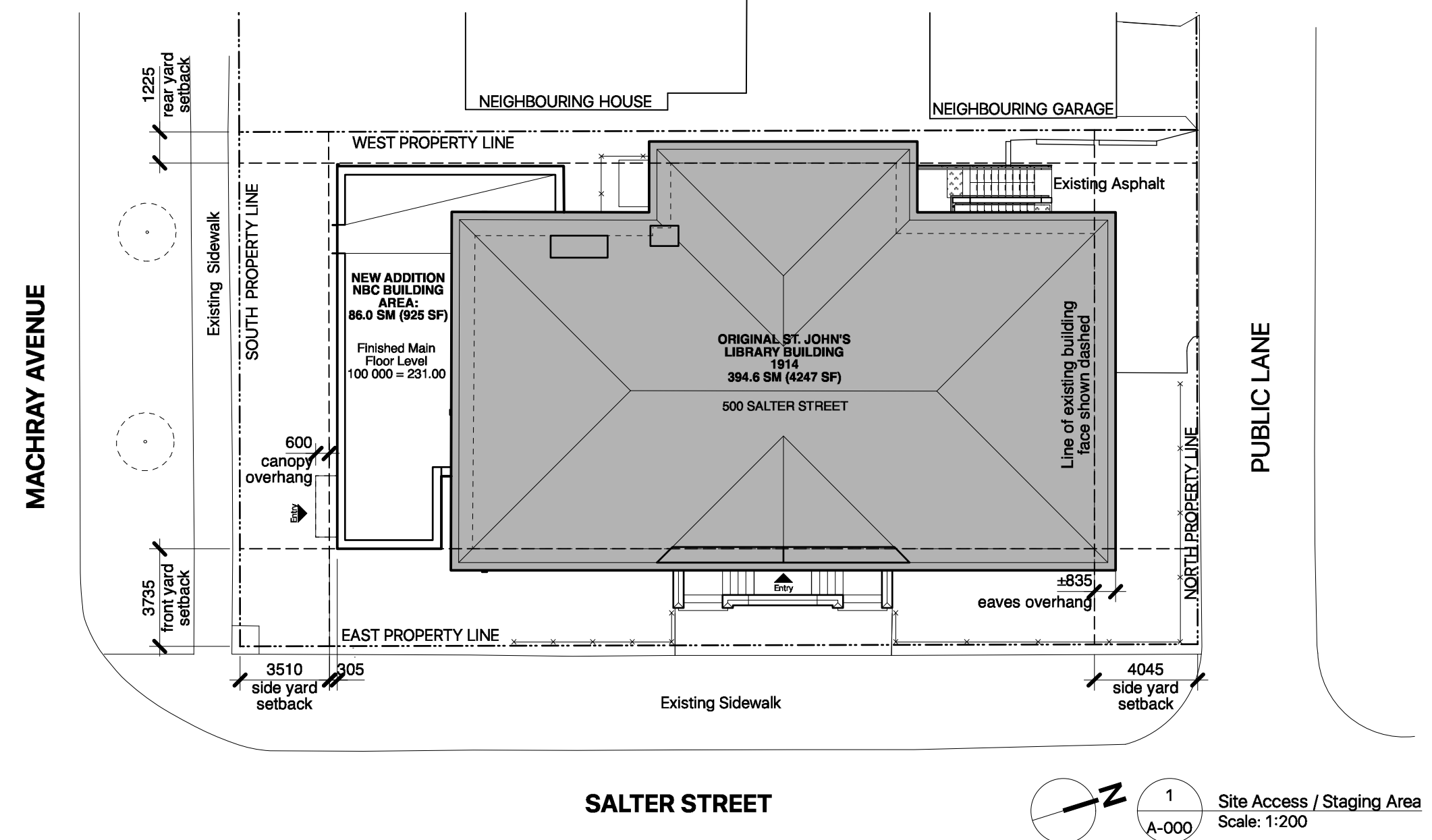


ST. JOHN'S LIBRARY

ADDITION & RENOVATION

500 SALTER AVENUE, WINNIPEG, MANITOBA



Building and Site Design Summary

Legal Description
Lots two hundred and fifty eight and two hundred and fifty nine plan no. 197 WLTO in river lots 43 and 44 parish of St. John.

Lot Dimensions: 37.54m x 20.17m
Lot Area: 756 sq. m.

Setbacks
Variance no. 17-114037/C
North (side yard): 4045mm
East (front yard): 3735mm
South (side yard): 3510mm
West (rear yard): 1225mm

No. of Parking Spaces: 1
No. of Bicycle Spaces: 2

Manitoba Building Code Design Summary

This project is governed by the Manitoba Building Code 2010 (MBC) - Division B, Part 3.

Section 3.1 General
Major occupancy classification: Group A Division 2
Building area, Existing: 326.0 sq. m
Building area, New: 85.9 sq. m
Building area, TOTAL: 411.9 sq. m
Building height: 13.3 m
1-storey building with basement. Refer to sheet A-400 for heights.

Facing number of streets: No
Firewalls: No
Fire alarm system: Yes, refer to Electrical.

Design occupant load: Building will have a posted occupancy of 100 people based on washroom fixtures provided.

Section 3.2 Building Fire Safety

Construction article: 3.2.2.25 Group A, Division 2 One storey
Construction: Non-combustible/Combustible
FRR for horizontal assemblies: Only required as fire separations.
FRR for supporting members: N/A

Spatial separation: North Wall:
Limiting distance: N/A
Exposing building face: N/A
Unprotected openings: N/A
FRR: N/A
Construction: Combustible or Noncombustible
Cladding: Combustible or Noncombustible
Limiting distance: 14.28 m
Exposing building face: 88.1 sq. m
Unprotected openings: 100% allowed, 86.3% actual
FRR: N/A
Construction: Combustible or Noncombustible
Cladding: Combustible or Noncombustible
Limiting distance: 13.86 m
Exposing building face: 32.9 sq. m
Unprotected openings: 100% allowed, 72.0% actual
FRR: N/A
Construction: Combustible or Noncombustible
Cladding: Combustible or Noncombustible
Limiting distance: 1.285 m
Exposing building face: 53.0 sq. m
Unprotected openings: 7% allowed, 0% actual
FRR: 1 hr
Construction: Noncombustible

Section 3.4 Exits

Main Floor: Number of exits: 2 required, 2 provided
Distance between exits: 15.35m minimum (> or = half of diagonal of 30.7m)
Max. travel distance to exit: 39.0m actual
Exit capacity: 6.1mm/person required
29mm/person provided

Section 3.7 Health Requirements

Using a reduced occupant load of 100 persons.
Required: (100-10)/2 = 45 persons of each sex = 1 male, 2 female required total
UTR allows occupant load to be reduced by 10.
Provided:
Existing building, basement level = 1 universal toilet room, 1 unisex WC
New addition, main level = 1 universal toilet room
TOTAL = 3 fixtures total

Section 3.8 Barrier Free

Barrier-free access provided to all floor areas: Yes, via platform lift.
Power door operators required/provided on barrier-free door at entrance: Yes
Barrier-free washrooms provided on all floor areas: Yes

ABBREVIATIONS:

ACT Acoustic ceiling tile	MIR Mirror
AFC At finished ceiling	MTL Metal
AFF At finished floor	MTL DK Exposed metal deck
AH Access hatch	N.F. Not in contract
AP Access panel	N.I.C. Not in contract
AR Abuse resistant	O/C On centre
AWP Acoustic wall panel	OF Outside face
BB Base board	O/H Overhead
BBH Base board heater	O/O Outside to outside
BF Barrier free	O/A Open to above
B/O Bottom of	OTB Open to below
BR Back rest	OWSJ Open web steel joist
CA Contract administrator	P/A Public address
CB Cove base	PL Plastic laminate
CJP Cast in place	PNT Paint
CLG Ceiling	PFRTN Partition
CLM Clay masonry	PT Pressure treated
CMU Concrete masonry unit	PL Push to lock button
COL Column	PW Plywood
CONC Concrete	RAF Resilient athletic flooring
CPT Carpet	RB Rubber base
CT Ceramic tile	RBSF Rubber sports floor
CW Curtain Wall	RD Roof Drain
DF Drinking fountain	RFG Refrigerator
DO Door operator	RO Robe hook
DN Down	R/O Rough Opening
ECP Elevator call panel	R/SB Recessed switch box
EHD Electric hand dryer	R/SF Resilient sheet flooring
ES Each side	RTU Roof top unit
EP Electrical panel	RW Relief vent
EPT Epoxy paint	SB Switch box
FAP Fire Annunciator Panel	SCR Screen
FE Fire Extinguisher	SD Soap dispenser
FD Floor drain	STF Stairfront
FF Force flow heater	SG Steel sign
FG Floor grille	SH Sill
FH Floor Hatch	SIM Sill
FM Floor mat	SP Splash pad
FR Frosted finish	SS Stainless steel
FRR Fibre reinforced panel	ST Stain
GB Grab bar	STM Stone masonry
GR Floor grate	STN Station
GSR Gym storage rack	TB Tack board
GSU Gym storage unit	TG Tempered glass
GWB Gym wall board	T/O Top of
HP Hose bib	TPD Toilet paper dispenser
HM Hollow metal	TPTN Toilet Partition
HDM Hydro meter	TYP Typical
HPS Hydro pole	U/S Underside
HSS Hollow steel section	VCT Vinyl Composite Tile
IF Inside face	VOS Verify on site
IL Inside to inside	VWF Vinyl window film
JS Janitor Shelf	WC Washroom
LF Light Fixture	WD Wood
LKR Locker	WG Wall grille
MG Mechanical grille	WI GL Wired glass
	WP Water proof
	WR Waste receptacle
	WW Window Wall
	X Existing

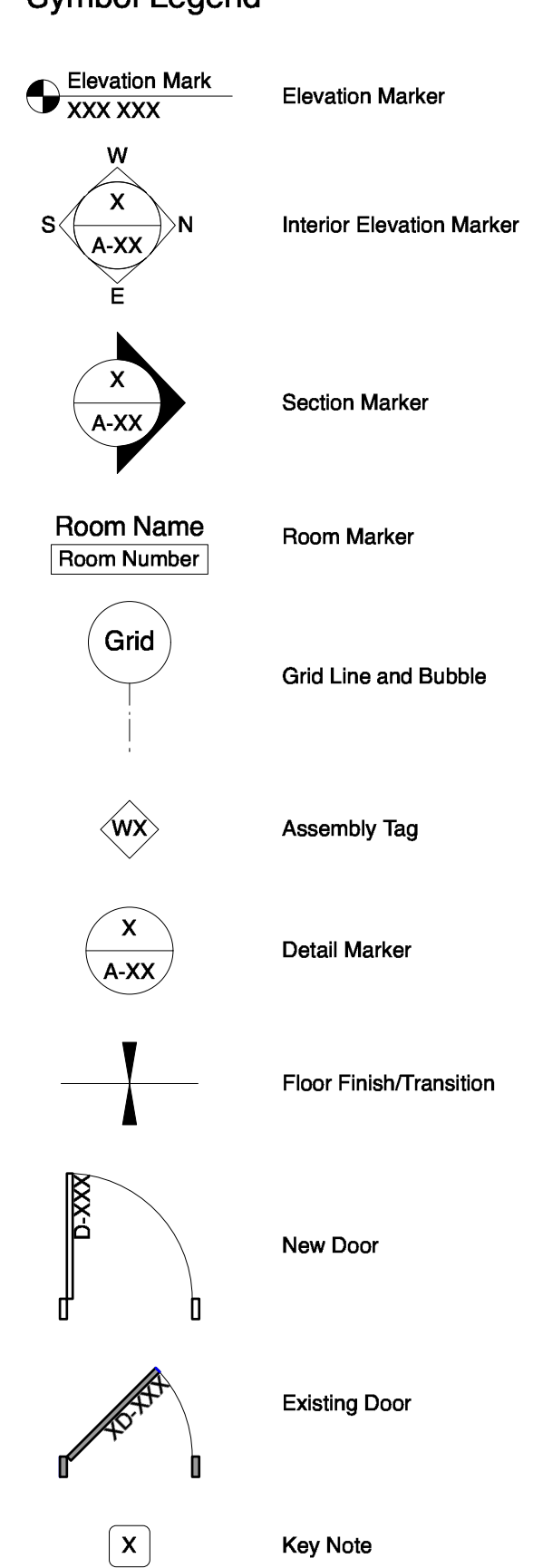
GENERAL NOTES

- All dimensions are to grid lines and/or face of finished assembly unless noted otherwise.
- The General Contractor shall verify the location of all site services with their respective utility companies prior to commencement of work; coordinate with Mechanical & Electrical consultants for service tie-ins.
- Clean up all construction debris from the site and repair any damage to the site resulting from construction upon completion of the work.
- Patch and make good all surfaces affected by demolition and/or damaged over the course of construction.

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ED2.1 MAIN LEVEL - DEMOLITION ELECTRICAL	
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EP2.0 BASEMENT LEVEL - POWER & SYSTEMS RENOVATION	
EP2.1 MAIN LEVEL - POWER & SYSTEMS RENOVATION	

Symbol Legend



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This drawing must not be scaled. The contractor shall verify all dimensions and other data on site prior to commencement of work. Discrepancies, errors, and omissions are to be reported to Public City Architecture Inc. prior to proceeding with the Work.

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Project
St. John's Library Renovation

Drawing
Title Sheet

Drawn By
TH
Scale
As Noted

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PS
Drawing No.
A-000