

SAINT BONIFACE MUSEUM

(FORMER GREY NUNS' CONVENT)

2010 WEST PORCH RESTORATION

PROJECT INTENT:

- To repair the front porch to a serviceable condition:
 - Replace all deteriorated structural woodwork (decorative woodwork N.I.C.)
 - Refinish paint all wood surfaces
 - Install a wood louvre to vent the space beneath the porch
 - Replace front step structure
 - Seal any roof leaks
- INTENT: to replace and repair all rotted wood members. To improve water impermeability. To replace poorly repaired areas in previous work.
 - The elevation drawing specifically details and notes the north wall repairs which are the most severe. However, the same work applies to a lesser degree to the other 3 walls of the entry porch.
 - Remove and safely store all existing window sashes and doors of the verandah during the construction upgrading work.
 - Brace the roof & upper walls solidly in place prior to commencing with the porch's repair work. The storing must keep the structure in place to permit post & rail, lower floor removal and repair work.

Demolition Work:

- Landscaping:
 - Jackhammer out existing asphalt sidewalk below the steps.
 - Replace with 6mm polyethylene barrier, vegetation mat, & 1/4 down limestone.
 - Remove the 2 existing concrete footing/ piers below the deck. The are not supporting any of the deck/step structure all.
- Structural:
 - Power Vac clean all wooden surfaces below the porch.
 - Remove the deck/stair construction. Re use the existing 38mm x 286mm (2" x 12") boards in the new construction.

Treatments for Wood Rot:

- Remove all rotted woodwork for replacement.
- Remove rotted woodwork should be thoroughly coated with wood preservative before enclosing.

Salvage:

- 51mm x 305mm (2" x 12") deck boards, treads and risers in good condition.
- 4 metal handrails
- Rotted decorative wood work for future reference.
- Steel angles connect deck joist to porch joists.

General:

- Remove all debris from the space below the deck and porch structure.
- New 6mm down base over landscape cloth, slope min. 2% away from bldg.
- Power Vac all wood surfaces in this space.
- Ensure all pressure treated wood end cuts are treated.

Notes:

(refer to circled numbers on drawing sheet for note locations)

Porch Framing Plan:

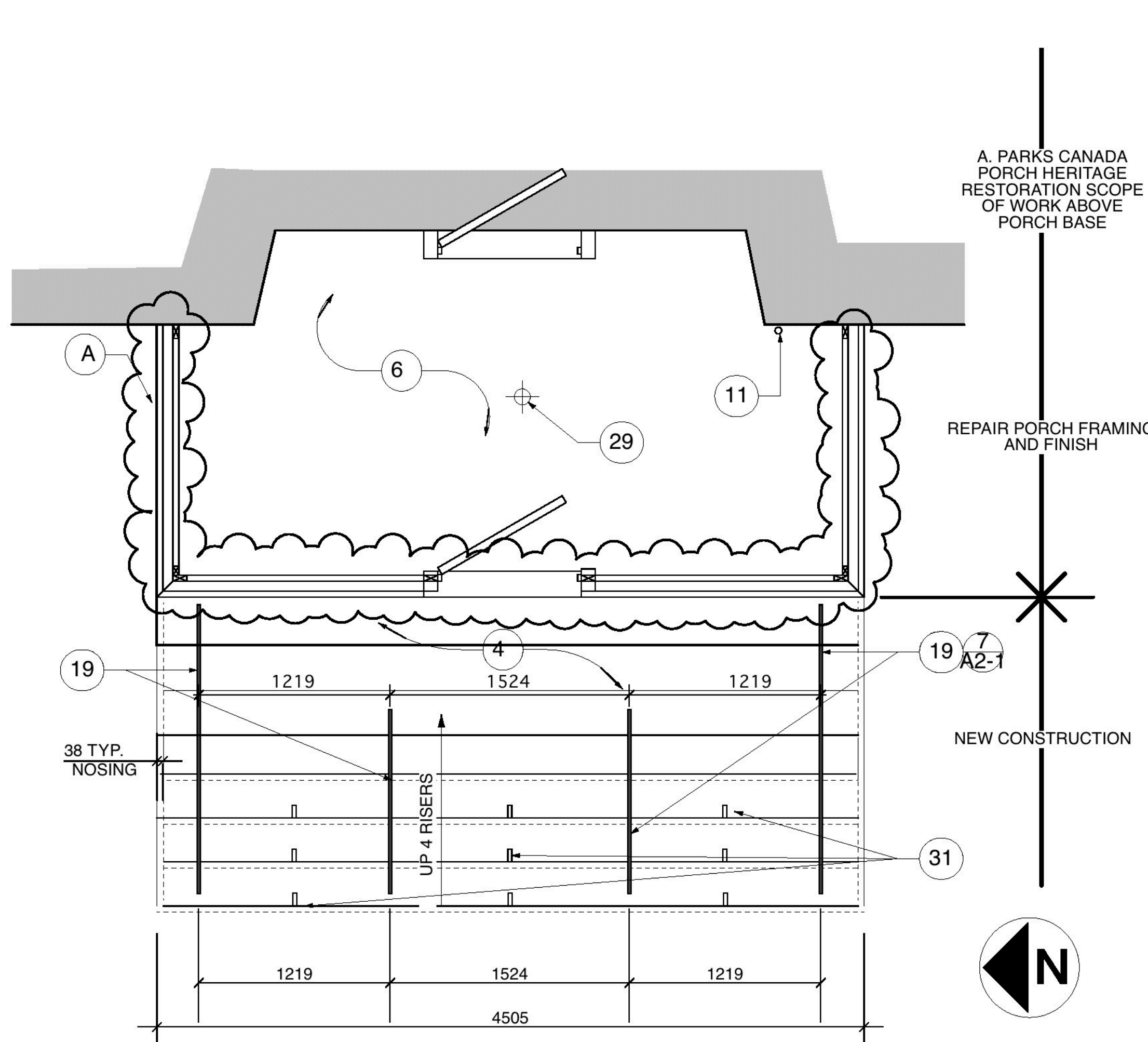
- Add (4) cement blocks to support the new 102mm x 102mm (4" x 4") deck posts.
- Front stringers to rest on 13mm x 19mm (1/2" x 3/4") thick cement patio pads set on compacted 1/4 down base. Add 25mm x 102mm (1" x 4") pressure treated blocks for shims as required.
- Doubled header joists held in place by existing steel angles bolted to porch's doubled header joist. Lay a 76mm (3") wide asphalt shingle strip between the 2 header joists and the deck boards.
- Re use existing decking boards in the new construction. To secure deck boards, use standard 76mm (3") minimum decking screws compatible with wood preservation treatment used. Deck boards to be painted to match maple flooring.
- Level the ground below the porch for landscaping work. Ensure a slope away from the building (westwards).
- 19mm x 57mm (3/4" x 2 1/4") T&G Maple Flooring:
 - Thoroughly clean all floor surfaces with a light sanding (use "trillo" sanding orbital sanding pads) to remove any dirt and remaining floor finish (particularly at the baseboards of the porch).
 - Finish with 2 coats of oil based polyurethane floor varnish.
 - Reinstall all baseboards. Trim all floor edges with 19mm (3/4") quarter round trim - paint white.
- Trimmer joist has rotted along the edges. Cut out wood rot and splice in new 19mm x 302mm (3/4" x 11 7/8") joists material. Before installation, treat new and old remaining wood with 2 coats of boiled linseed oil mixed 50/50 with turpentine. Exist. Floor cavity below main doors
- Remove hoarding boards and insulation.
- Power Vac clean this space.
- Install new batt insulation, vapour barrier and hoard in with 13mm (1/2") plywood, paint white.
- Floor joist extend into the hoarded, recessed area.
- New P.T. Stringers 38mm x 286mm (2" x 12")
- Existing Fire Sprinkler Line 32mm diameter (1 1/4" diameter) in Porch ceiling and beneath floor to remain (Antifreeze filled).
- Hatched lines denote (3) existing 305mm (12") diameter concrete piers.
- Existing 267mm (10 1/2") square boxed concrete piers.
- Existing 152mm x 152mm (6"x6") east beam and 152mm x 146mm (6" x 5 3/4") west beam
- (4) New 102mm x 102mm (4"x4") P.T. WD. Posts

Elevation:

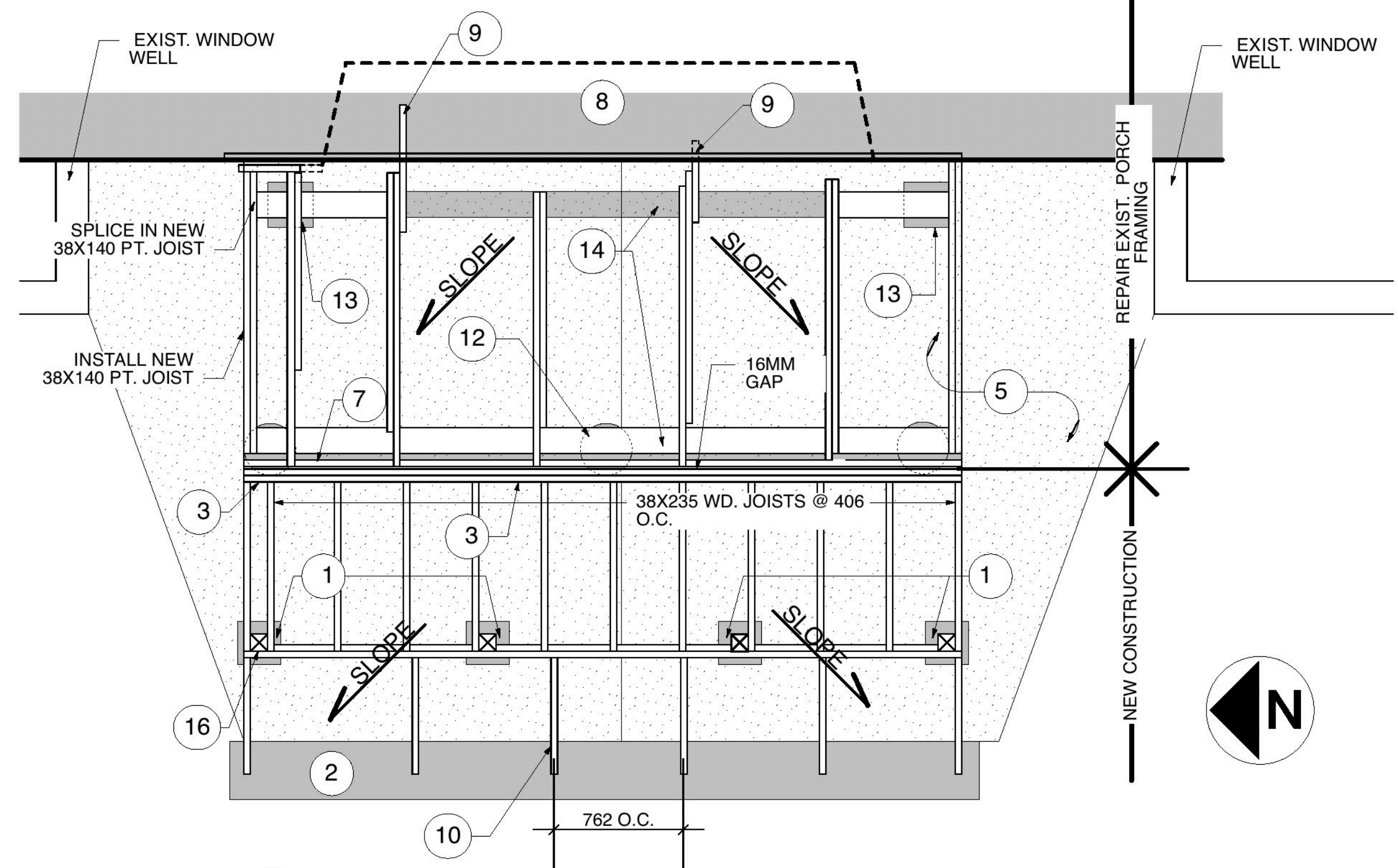
- Hatched lines denote recessed main entrance into the museum.
- Install wooden handrail over existing 25mm x 25mm (1"x1") steel rail. Cut slot in underside to fit.
- Screw together. See detail this sheet.
- Deck height approximately 762mm (30").
- New wood louvered vent for porch venting (both sides), c/w insect screen, paint louver to match exist. porch
- 19mm (3/4") cove moulding - mitre joints at corners.
- Carry 19mm (3/4") cove moulding trim around the side and nail to the stringers only. This is only at the deck and permits the hoarding to be removed. The remaining cove mouldings can be glued and brad nailed to the front cove.

Section:

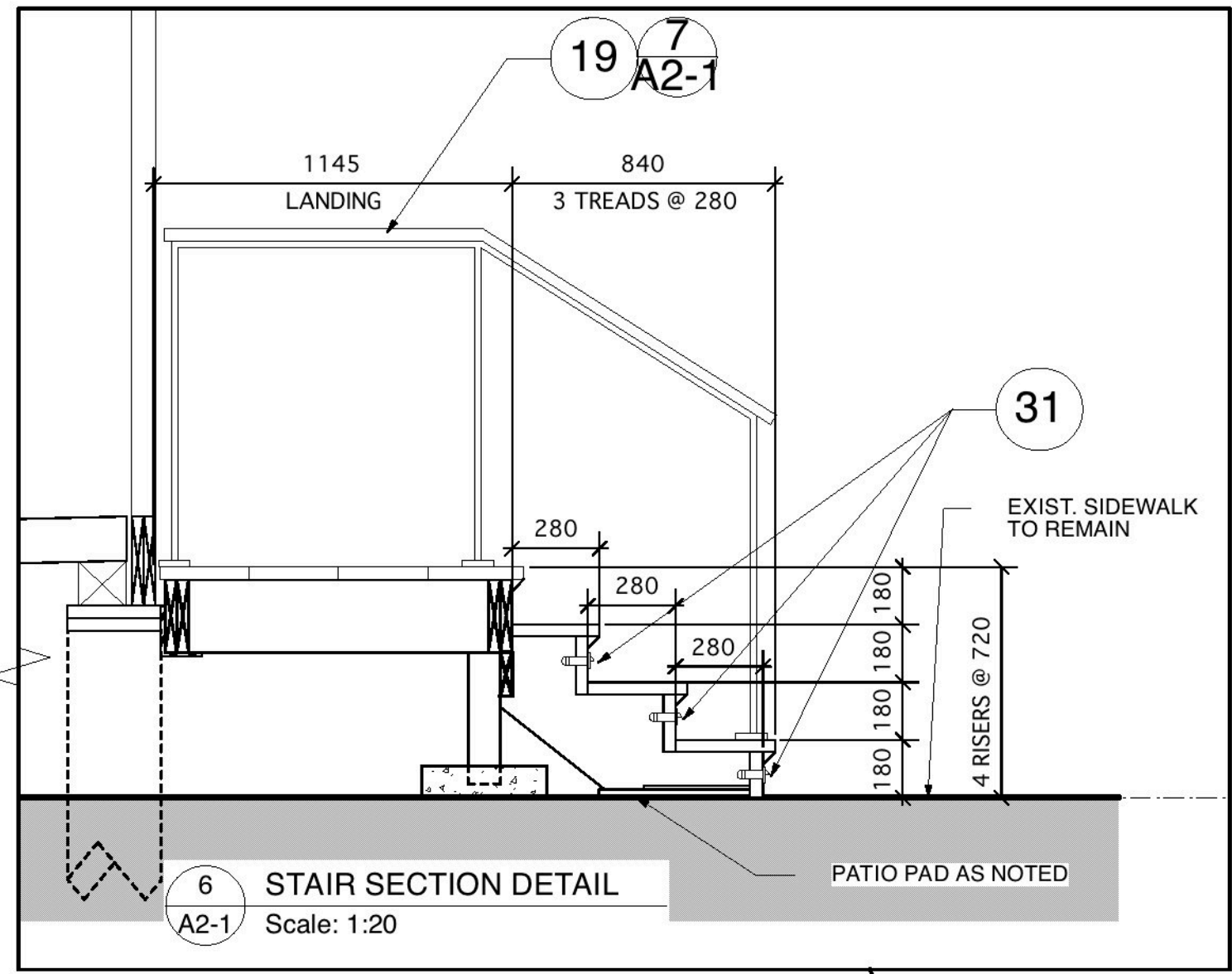
- Shim these areas with new pressure treated wood blocking.
- End doubled joist has rotted along the edges. Install new 51mm x 152mm (2" x 6") pressure treated end joist - add filler joist at east end on the interior joist - see structural floor plan - sheet 1. Spruce Structural grade lumber. Before installation, treat new and old remaining wood with 2 coats of boiled linseed oil mixed 50/50 with turpentine. Fir out from new material to the backside of the finished baseboard as needed - see detail on this sheet.
- Reuse existing decking boards in the new construction. To secure deck boards, use standard 76mm (3") minimum decking screws compatible with wood preservation treatment used. Deck boards to be painted light grey matching the existing colour. Floor to have a 19mm (3/4") slope as drawn.
- Front 51mm x 254mm (2" x 10") stringers to rest on 25mm x 19mm (1/2" x 3/4") thick cement patio pads set on compacted 1/4 down base and screw into double end joist. Add 25mm x 102mm (1"x4") pressure treated blocks for shims as required.
- Existing porch light to remain.
- Washer screw secures wood rail to metal rail. Pre-drill holes through metal & wood.
- 4 screws per rail.
- (9) New step lights - refer to specification for size and installation.
- (2) New soffit lights located on either side of the doorway, center each light between exterior wall and doorway - refer to specification for size and installation.



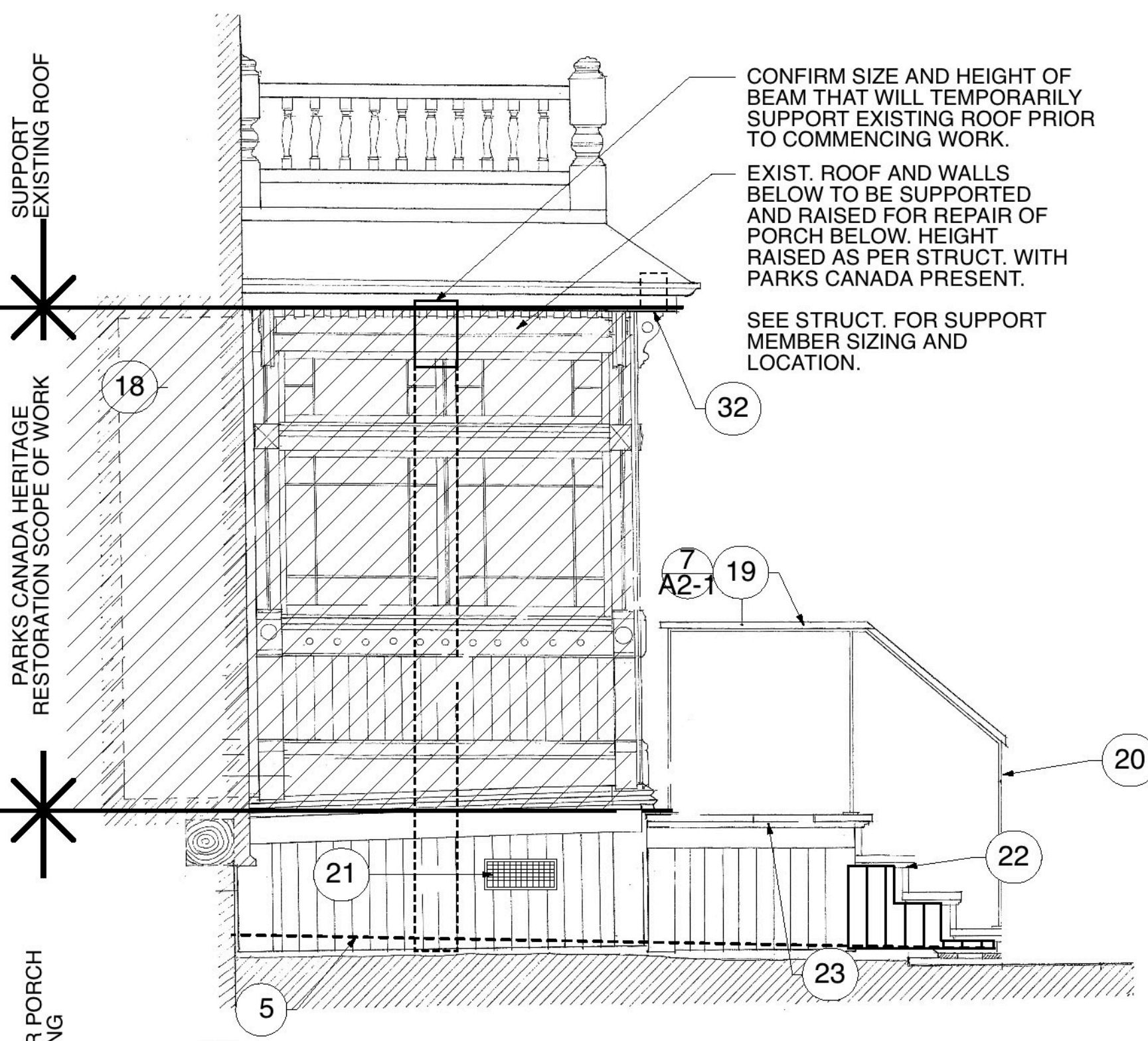
1 PORCH AND STAIR FLOOR PLAN
A2-1 Scale: 1:25



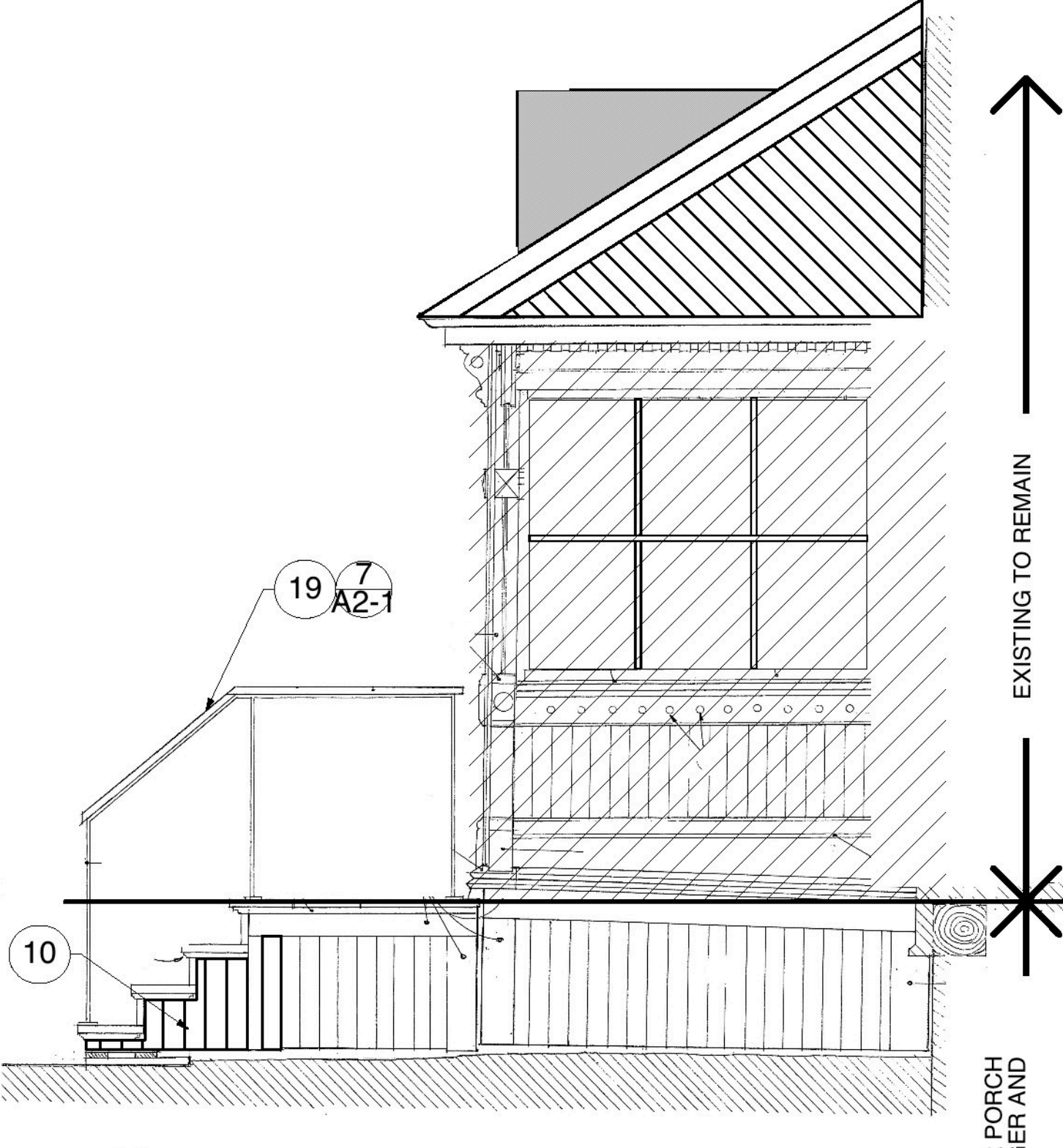
2 PORCH FRAMING PLAN
A2-1 Scale: 1:25



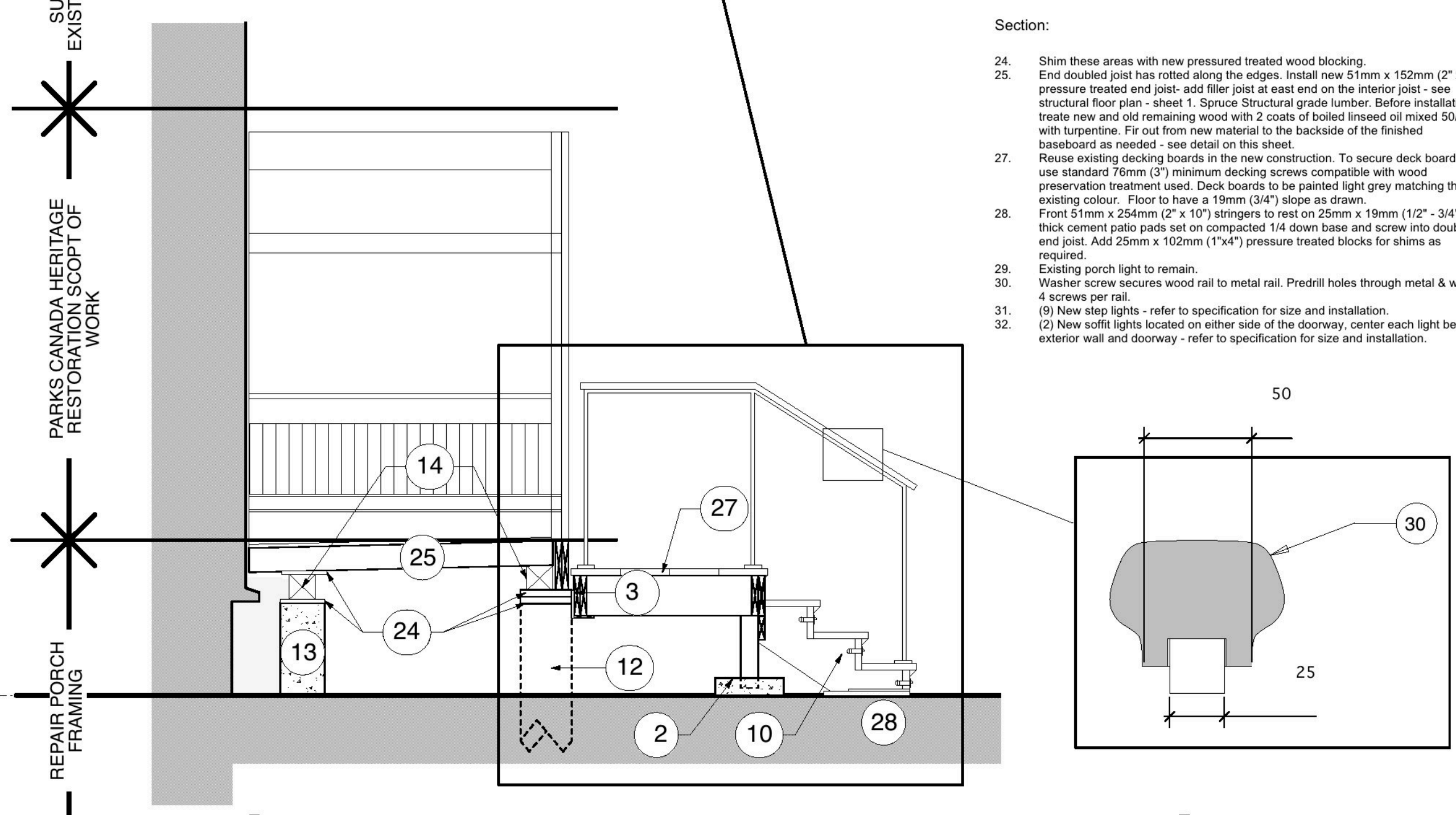
6 STAIR SECTION DETAIL
A2-1 Scale: 1:20



3 NORTH ELEVATION OF WEST PORCH (TYPICAL)
A2-1 N.T.S.



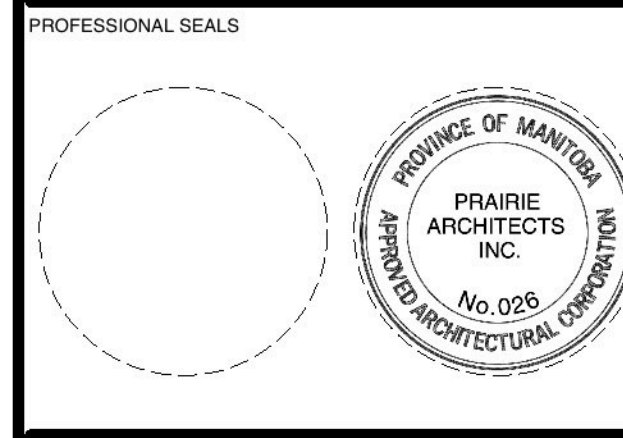
4 NORTH PORCH ELEVATION (TYPICAL)
A2-1 N.T.S.



5 PORCH SECTION
A2-1 Scale: 1:25

7 HANDRAIL
A2-1 N.T.S.

NO.	DATE	ISSUE NOTES



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PROJECT TITLE

Le Musée de Saint-Boniface Porch Renovation

LOCATION
WINNIPEG, MB
494 Avenue Tache

CLIENT
Philippe Mailhot
494 Avenue Tache

DRAWING TITLE

WEST PORCH FLOOR PLAN, SECTION, & ELEVATION AND NORTH PORCH ELEVATION

DRAWN	APPROVED	DRAWING NO.
RL	DT	A2-01
SCALE	DATE ISSUED	
N/A	2010/07/07	A2-01
PROJECT NUMBER	REVISION NO.	
2006.10	R-0	