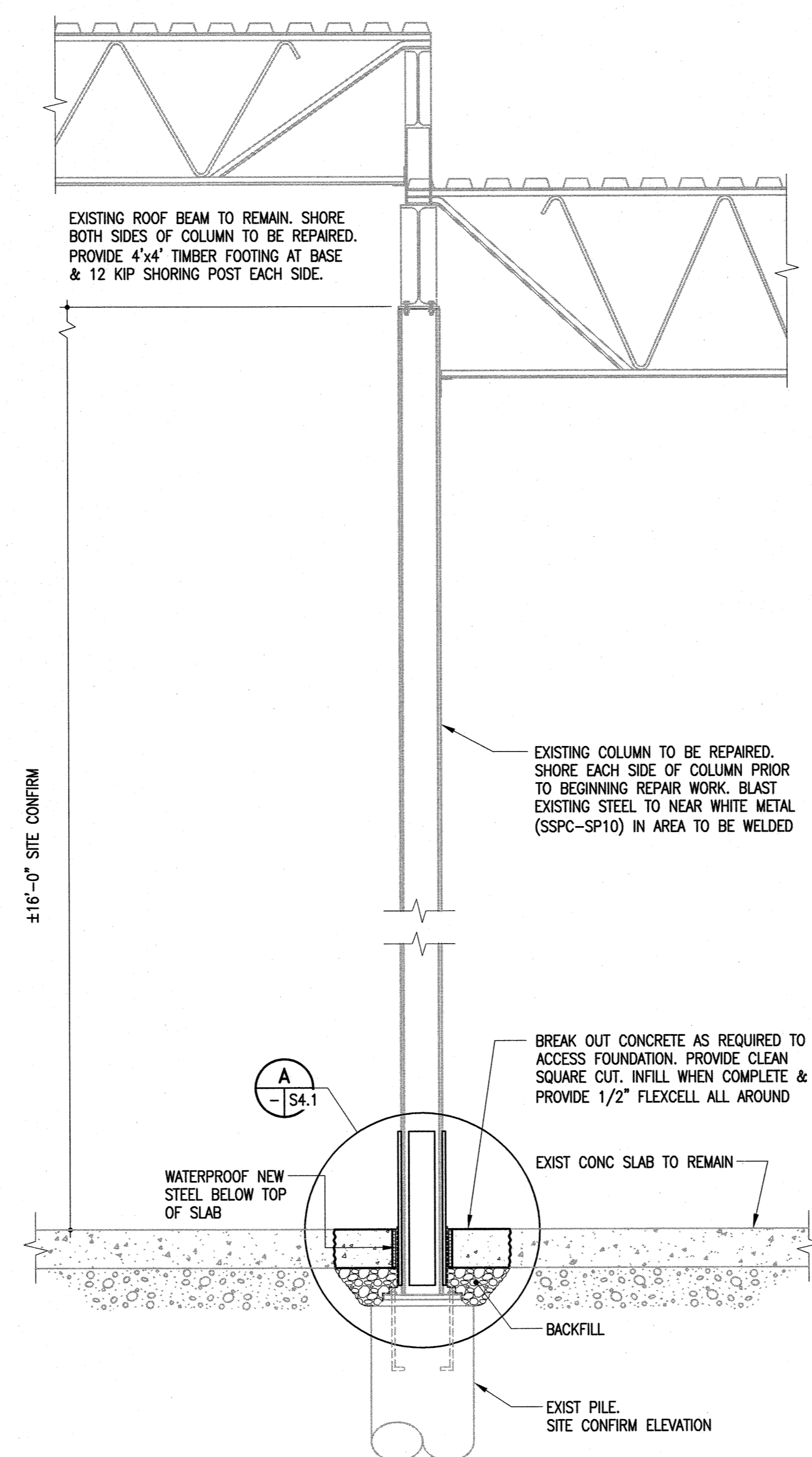
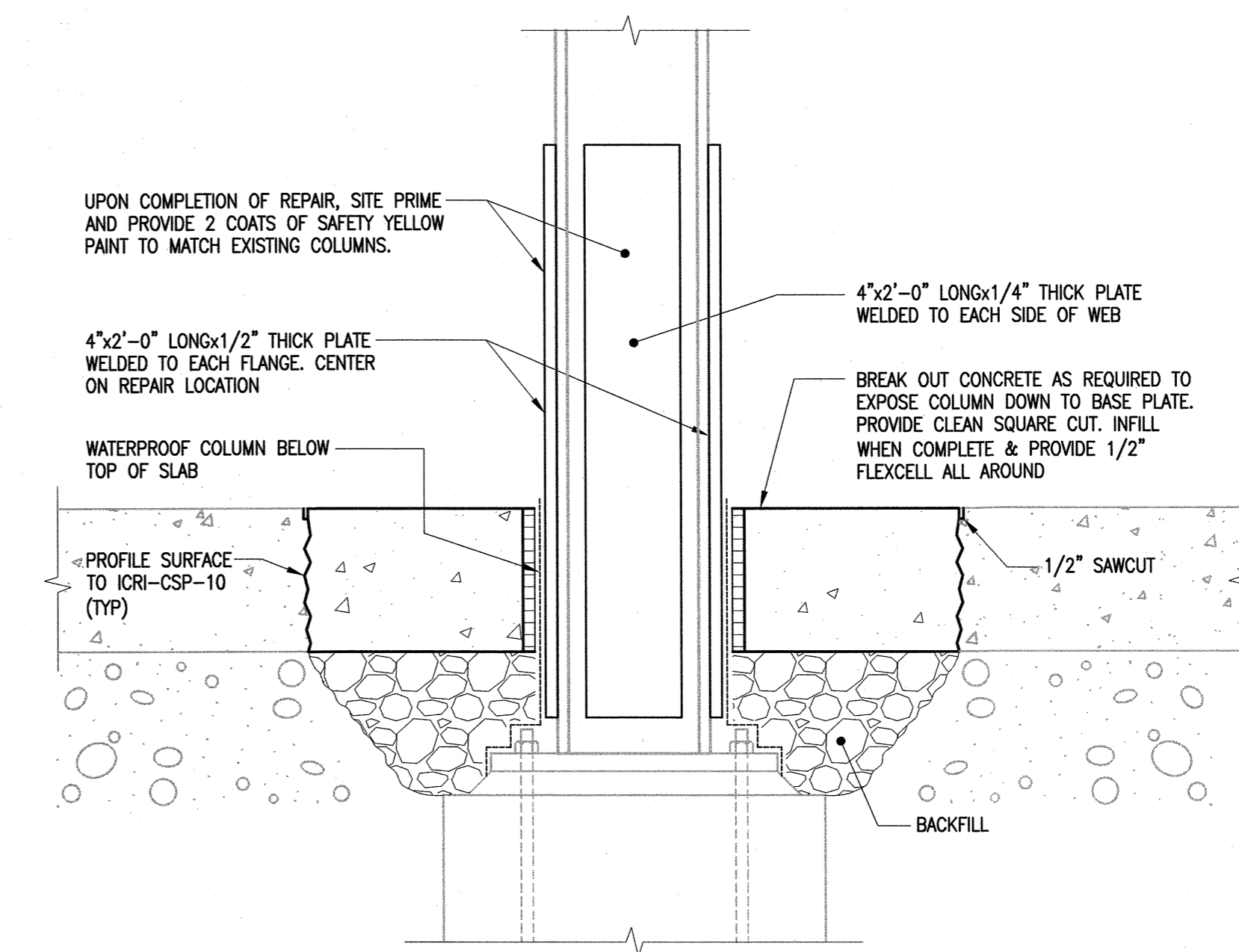


1 SECTION - COLUMN REPLACEMENT
 S2.1 | S4.1 | 1/2" = 1'-0"
 NOTE: PROVIDE 3' x 3' TIMBER FOOTING AT BASE & 8 KIP SHORING POST EACH SIDE



2 SECTION - COLUMN REPAIR
 S2.1 | S4.1 | 1/2" = 1'-0"
 NOTE: CONTRACTOR TO PROVIDE SEPARATE UNIT PRICES FOR COLUMN WELDED REPAIRS WITH AND WITHOUT CONCRETE REPLACEMENT WORK FOR REPAIRS LOCATED ABOVE GRADE.



3 DETAIL - COLUMN REPAIR
 S2.1 | S4.1 | 1 1/2" = 1'-0"

SCOPE OF WORK - COLUMN REPLACEMENT

- OWNER TO REMOVE, CAP OFF, AND REINSTALL EXISTING SERVICES ATTACHED TO DAMAGED COLUMN. ENSURE SHORING POSTS ARE TIGHT PRIOR TO BEGINNING WORK.
- BREAK OUT CONCRETE AROUND BASE OF EXISTING COLUMN TO EXPOSE TOP OF PILE BENEATH.
- REMOVE EXISTING COLUMN AND REPLACE WITH NEW W150 X 37 (W6 X 25) COLUMN C/W 4-3/4" DIAMETER X 6" EMBEDDED ANCHOR BOLTS AND HILTI HY 150 MAX ADHESIVE. BASE PLATE TO BE 10" X 10" X 3/4" THICK AND SET ON 1" GROUT. COLUMN IS TO ARRIVE WITH TOP PLATE SIZED AND PRE-DRILLED TO MATCH EXISTING TO BOLT TO BOTTOM FLANGE OF ROOF BEAM.
- NEW COLUMN TO ARRIVE WITH TWO COATS OF GREY SHOP PRIMER WITH THE BOTTOM 10' HAVING TWO COATS OF SAFETY YELLOW PAINT.
- BASE PLATE AND BOTTOM PORTION OF COLUMN TO BE COATED IN LIQUID-APPLIED WATERPROOFING MEMBRANE. MEMBRANE IS TO EXTEND TO JUST ABOVE FINISHED SLAB ELEVATION.
- INFILL SLAB AROUND COLUMN TO MATCH ADJACENT FINISHES.

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

APEGM
 Certificate of Authorization
 Crosier Kilgour & Partners Ltd.
 No. 235 Date: 2017-08-15



Consultant

300-275 Carlton Street
 Winnipeg, Manitoba R3C 5R6
 T 204-943-7501
 F 204-943-7507

Crosier Kilgour & Partners Ltd.
 CONSULTING STRUCTURAL ENGINEERS

Project
WINNIPEG TRANSIT NORTH GARAGE
 2017 STRUCTURAL REPAIRS
 1520 MAIN STREET
 WINNIPEG, MANITOBA

Sheet Title
SECTIONS AND DETAILS

File 2017-0210 Date 2017-08-15

Design IM Drawn LL

Revision 0 Sheet No. S4.1