

# OKIMAW OHCI HEALING LODGE MAPLE CREEK, SASKATCHEWAN SPIRITUAL LODGE ROOF REPLACEMENT

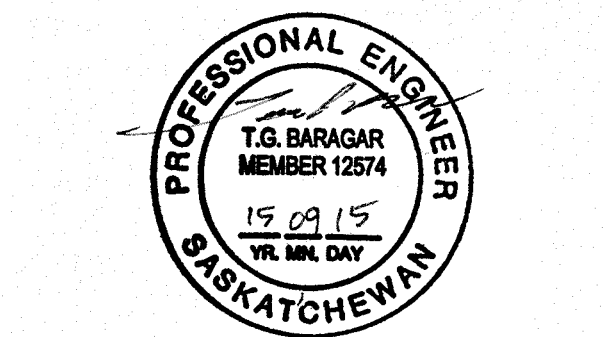
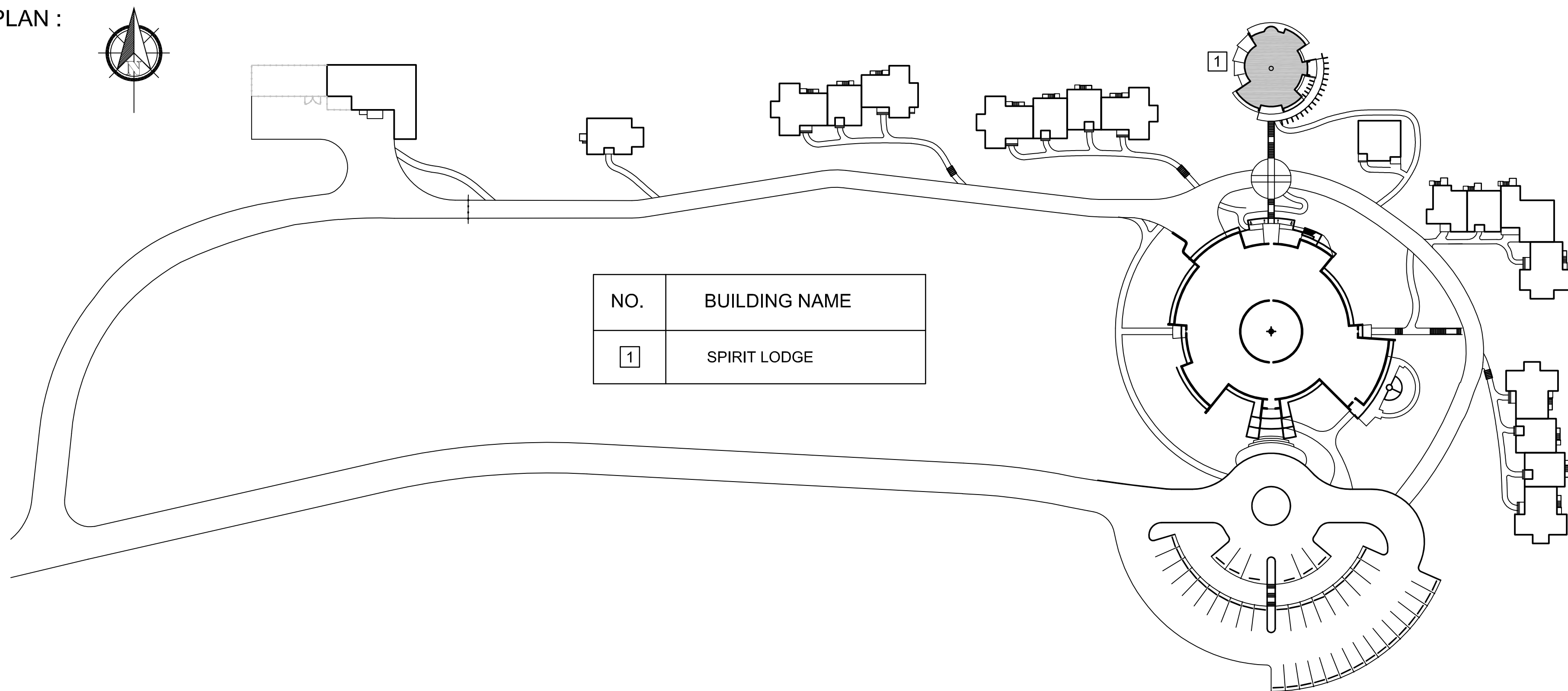
## INTENT FOR PROJECT:

- BUILT-UP ROOF SYSTEMS ON THE FOLLOWING ROOF IS PAST THE INTENDED LIFECYCLE.
  - SPIRIT LODGE
- ROOF SYSTEMS WILL BE REPLACED IN FOUR AREAS WICH ARE MENTIONED BELOW:
  - A. THE CAPPING AT THE TOP AT THE SLOPED PORTION OF THE ROOF
    - NEW WATERPROOFING ROOF MEMBRANE
    - NEW FLASHINGS
  - B. HIGHER ROOF SECTION
    - REPLACE WITH BROWN METAL SHAKES ROOFING
    - NEW FLASHINGS
  - C. LOWER ROOF SECTION
    - REPLACE ASPHALT SHINGLES
    - NEW FLASHINGS
  - D. REPLACE EAVES TROUGH
  - E. INSTALL METAL STEEL LADDER COMPLETE WITH FALL PROTECTION DEVICES
  - F. INSTALL DRAINAGE TRENCH AT SIDEWALK AS REQUIRED

## DRAWING LIST:

- ARCHITECTURAL
- A000 - COVER SHEET
  - A101 - EXISTING ROOF PLAN AND SECTION
  - A102 - ROOF REPLACEMENT PLAN AND SECTION
  - A103 - EXISTING & NEW SECTIONS
  - A104 - EXISTING & NEW SECTIONS
  - A105 - EXISTING & NEW SECTIONS

## KEY PLAN :



Association of Professional Engineers & Geoscientists  
of Saskatchewan

CERTIFICATE OF AUTHORIZATION

LEX3 Engineering Inc.  
Number 28678

Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature

## DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
3	ISSUED FOR TENDER	15/09/10
2	ISSUED FOR TENDER REVIEW	15/07/29
1	ISSUED FOR 100% REVIEW	15/06/17
0	ISSUED FOR 50% REVIEW	15/04/30

Client/client

PUBLIC WORKS AND  
GOVERNMENT SERVICES  
CANADA

Project title/Titre du projet

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MAPLE CREEK, SASKATCHEWAN  
SPIRITUAL LODGE R.R.

Approved by/Approuve par  
GBB

Designed by/Concept par  
GBB

Drawn by/Dessine par  
CG

PWGSC Project Manager/Administrateur de Projets TPSCG  
SHAWN LUMSDEN

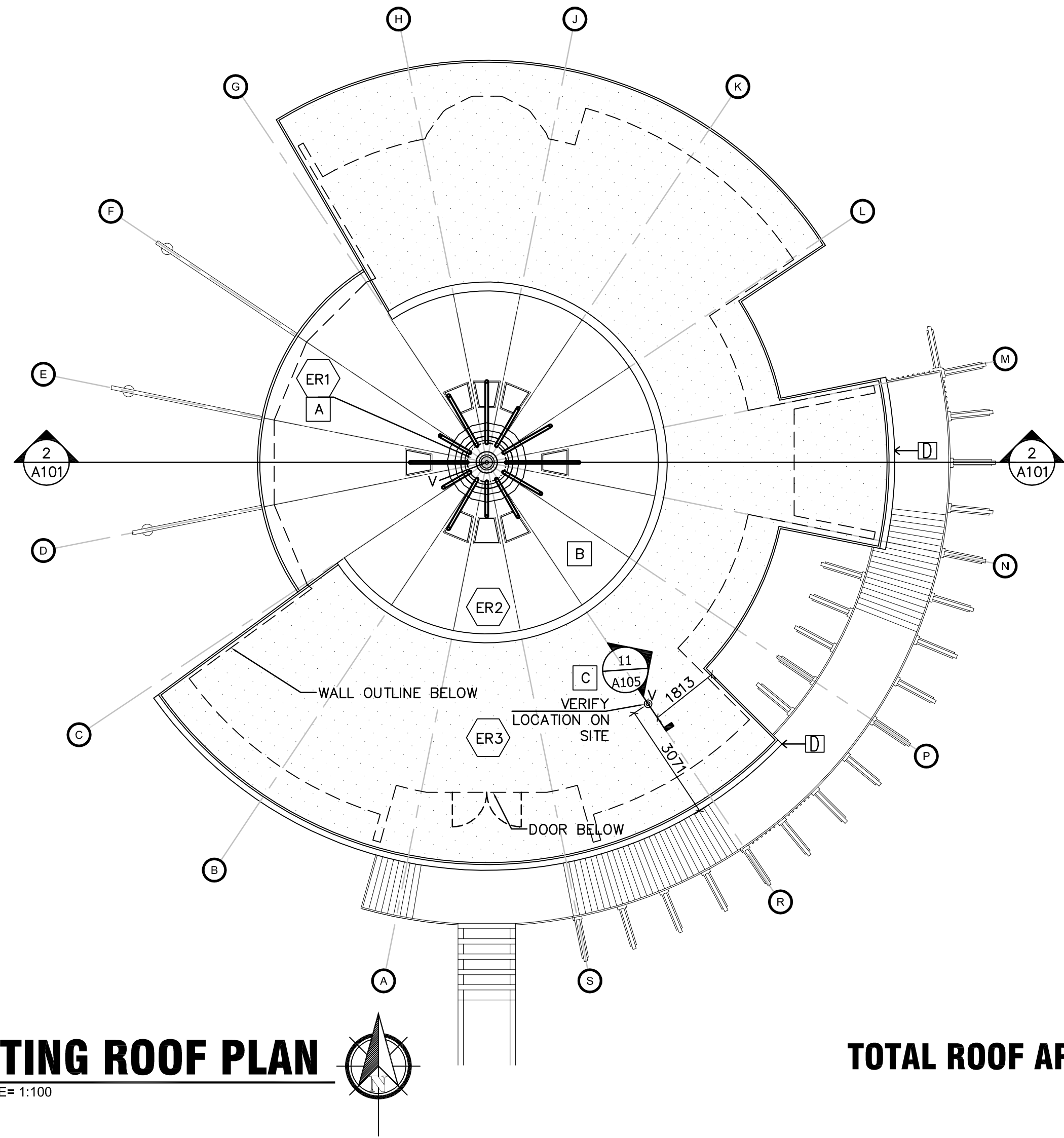
PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSCG

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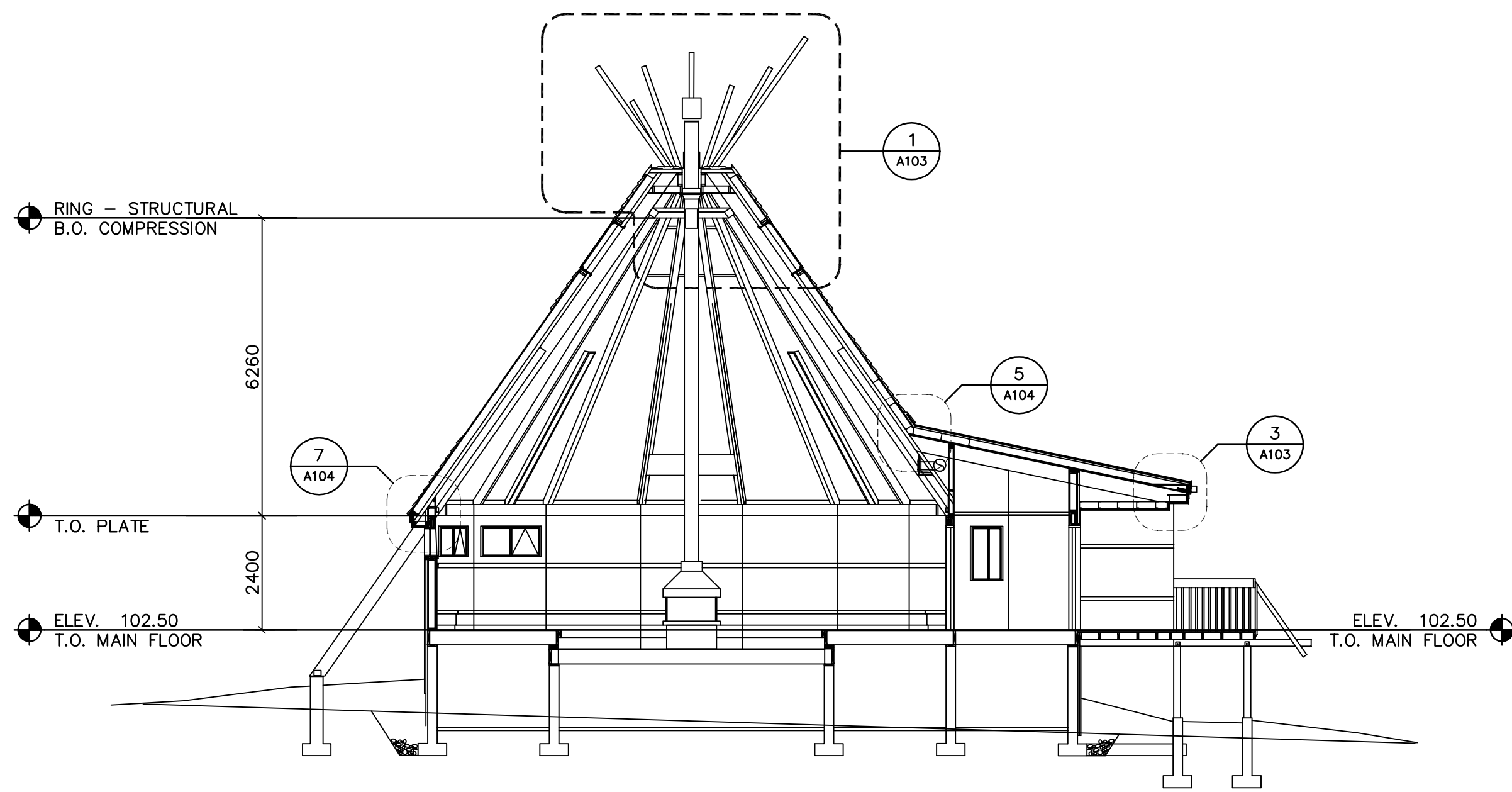
COVER SHEET



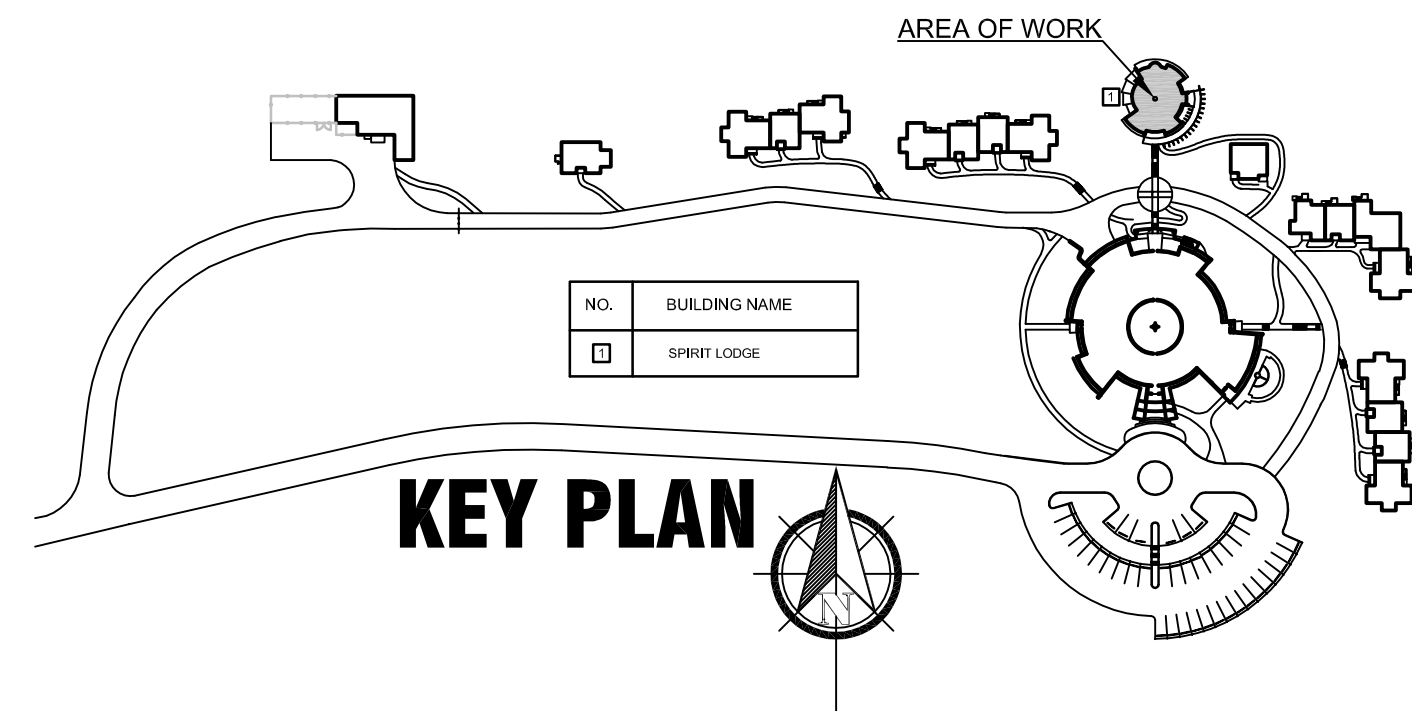


1  
A101  
**EXISTING ROOF PLAN**  
SCALE= 1:100

TOTAL ROOF AREA = 370 SQM +/-



2  
A101  
**EXISTING BUILDING SECTION**  
SCALE= 1:100



**KEYNOTES:**

- [A] CAPPING AT THE TOP AT THE SLOPED PORTION OF THE ROOF  
-CLEAN THE SURFACE TO BARE METAL  
-REMOVE FLASHINGS TO BE DEMOLISHED
- [B] (12"-12" SLOPE) HIGHER ROOF SECTION  
-REMOVE CEDAR SHAKES TO BE DEMOLISHED  
-REMOVE FLASHINGS TO BE DEMOLISHED
- [C] (2 1/2"-12" SLOPE) LOWER ROOF SECTION  
-REMOVE ASPHALT SHINGLES TO BE DEMOLISHED  
-REMOVE FLASHINGS TO BE DEMOLISHED
- [D] REMOVE EAVES TROUGH TO BE DEMOLISHED

**LEGEND**

V - VENT

**ROOF ASSEMBLIES**

**LEGEND**

**ER1 EXISTING BUILT UP ROOF**

- GRAVEL TOPPING
- STEEL PLATE
- 2 PLY SELF ADHESIVE MEMBRANE
- VAPOR BARRIER
- 3 LAYERS 19 EXT PLY
- ROOF SHEATHING

**ER2 EXISTING ROOF CONSTRUCTION**

- CEDAR SHAKES
- BUILDING PAPER
- 11 OSB SHEATHING
- 150 RIGID INSULATION
- 150 Z BAR FRAMING AT 600 OC
- VAPOR BARRIER - 2 PLY MEMBRANE
- WOOD DECK - STRUCTURAL
- LAMINATED WOOD BEAMS - STRUCTURAL

**ER3 EXISTING ROOF CONSTRUCTION**

- ASPHALT SHINGLES
- BASE SHEET
- 11 OSB SHEATHING
- 38mm STRAPPING AT 400 OC
- 150 RIGID INSULATION TYPE 2
- 150 Z BAR FRAMING AT 600 OC
- VAPOR BARRIER-2 PLY MEMBRANE
- 16 PLY SHEATHING

**GENERAL NOTES:**

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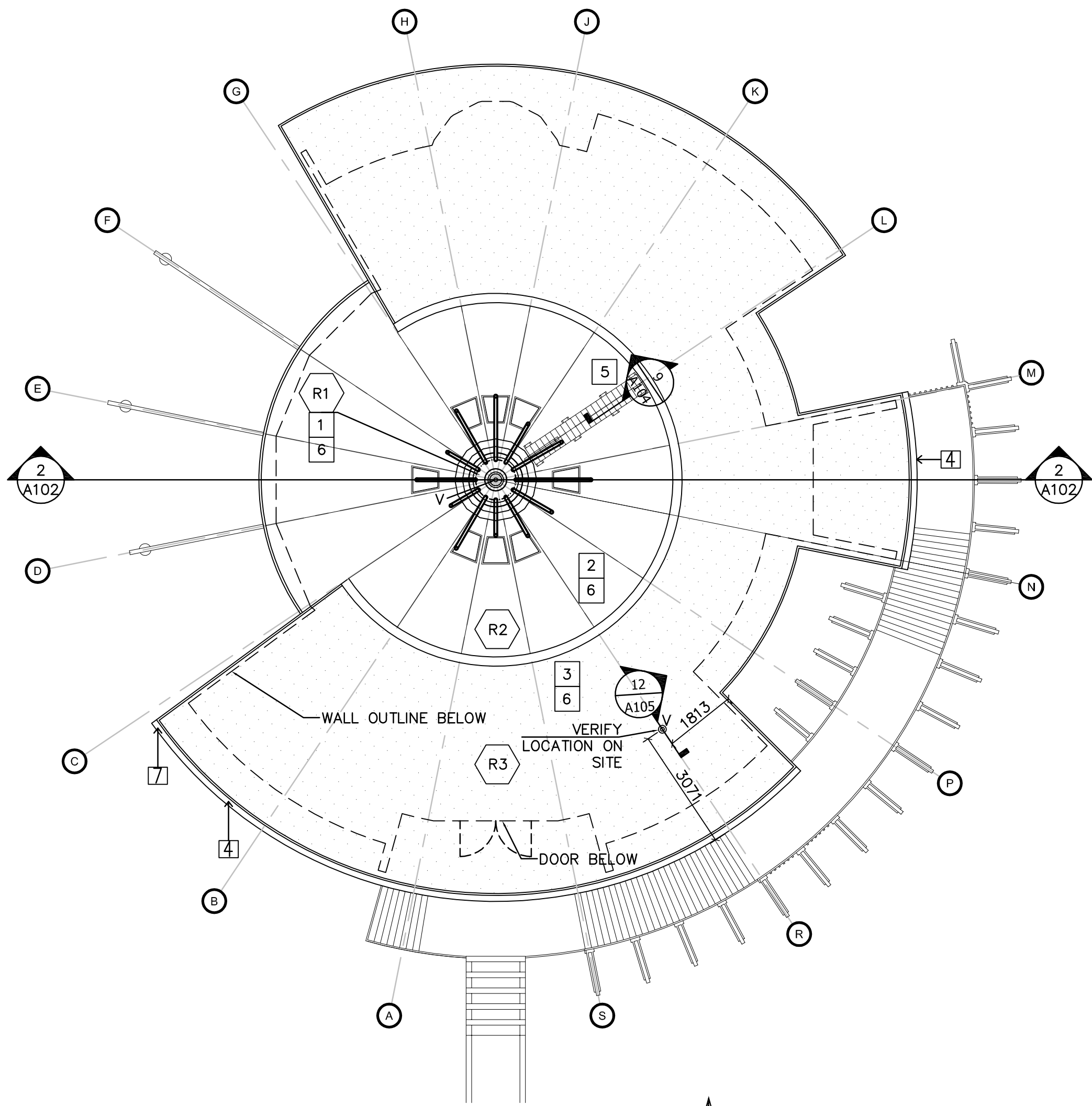
**EXISTING ROOF PLAN  
AND SECTION**

Project No./No. du  
projet  
**R.059377.001**

Sheet/Feuille  
**A101**  
OF 06

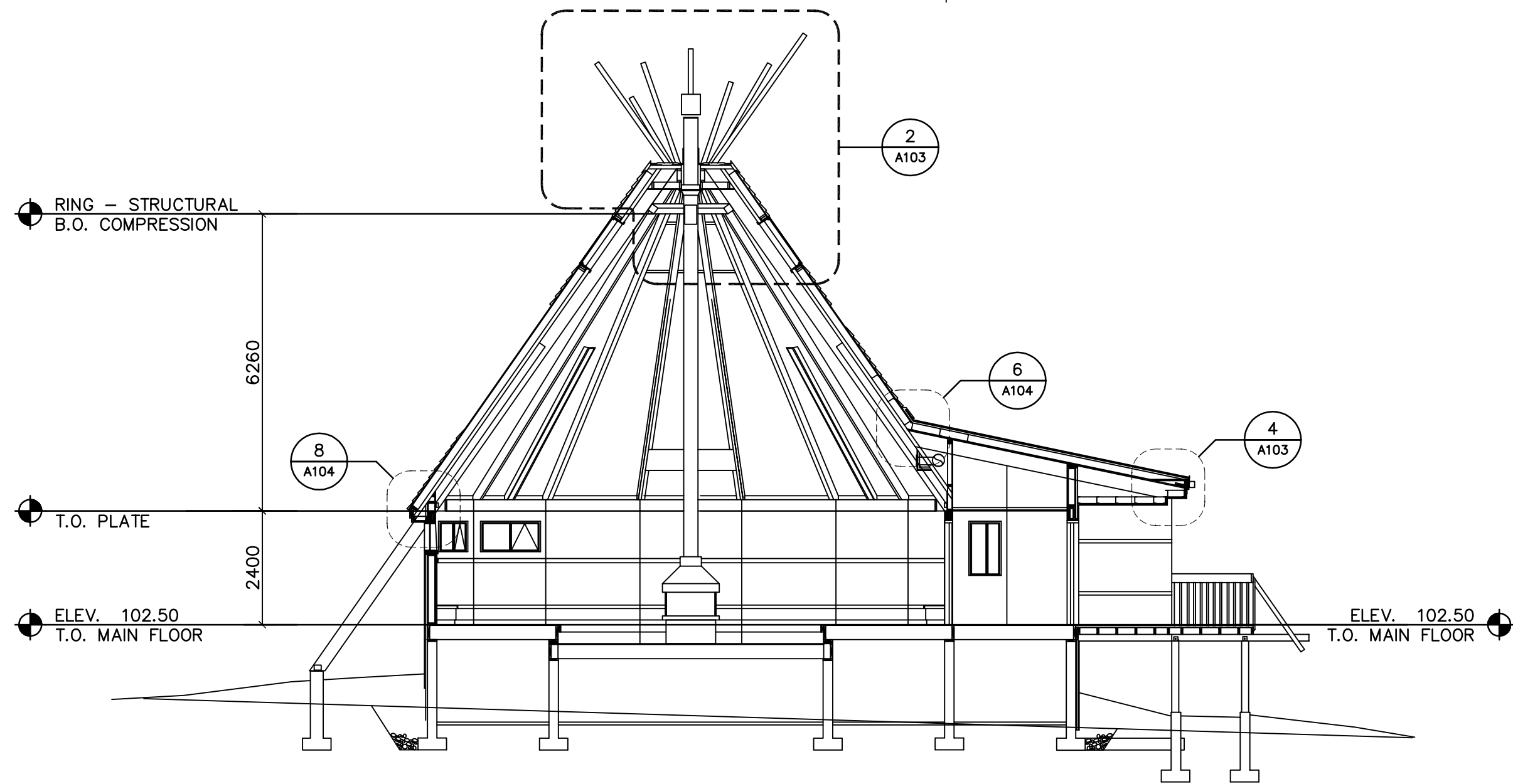
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no.  
**3**



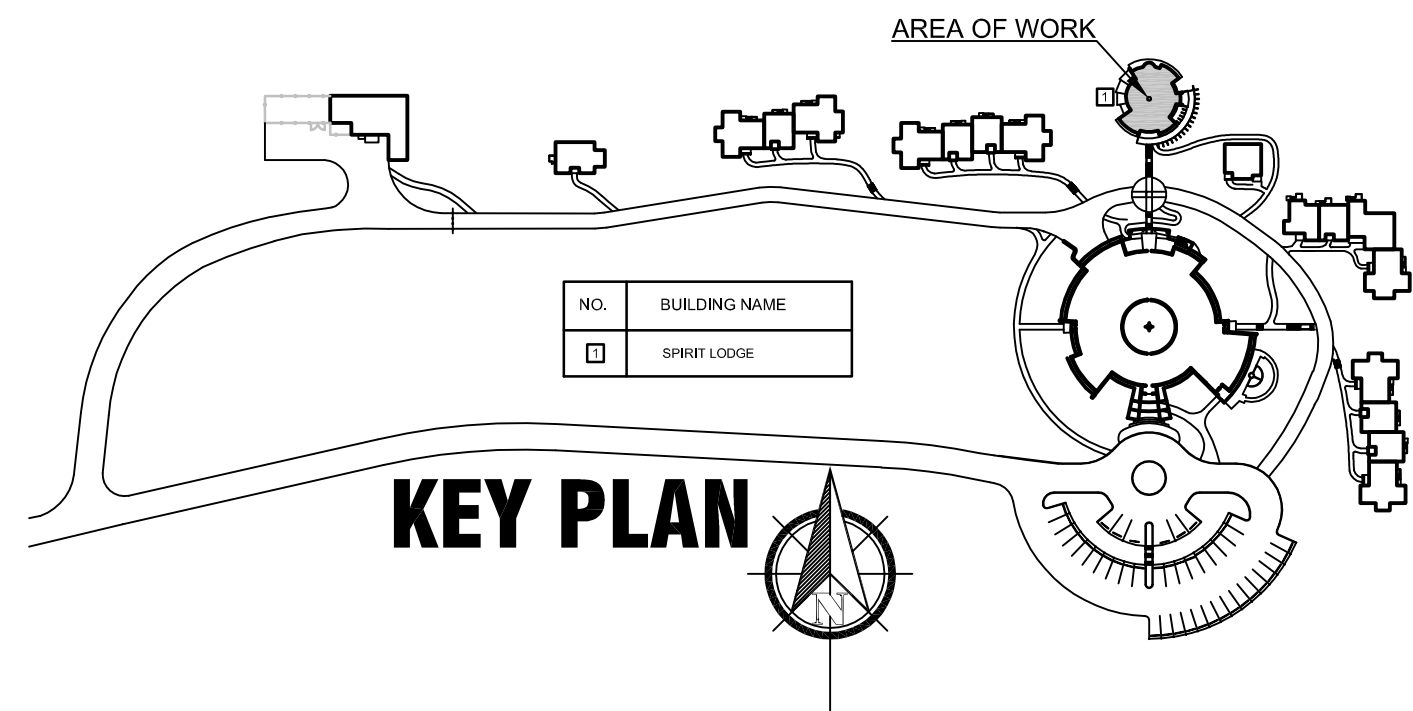


1  
A101  
**ROOF REPLACEMENT PLAN**  
SCALE= 1:100

ROOF AREA = 370 SQM +/-



2  
A101  
**ROOF REPLACEMENT BUILDING SECTION**  
SCALE= 1:100



### KEYNOTES:

- CAPPING AT THE TOP AT THE SLOPED PORTION OF THE ROOF  
-RE-ROOF WITH A NEW PEAL, STICK AND FLUID APPLIED ROOFING  
-INSTALL NEW PREFINISHED METAL CAP FLASHING TO MATCH EXISTING
- (12"-12" SLOPE) HIGHER ROOF SECTION  
-INSTALL NEW BROWN METAL SHAKES ROOF  
-INSTALL NEW PREFINISHED METAL CAP FLASHING TO MATCH EXISTING
- (2 1/2"-12" SLOPE) LOWER ROOF SECTION  
-INSTALL NEW ASPHALT SHINGLES TO MATCH EXISTING  
-INSTALL NEW PREFINISHED METAL CAP FLASHING TO MATCH EXISTING
- INSTALL NEW EAVESTROUGH TO MATCH EXISTING.
- INSTALL A METAL FIXED LADDER C/W FALL PROTECTION DEVICES
- INSPECT EXISTING ROOF DECKING & SHEATING. PRIOR TO NEW ROOF INSTALLATION. CLEAN, PATCH, REPAIR & REPLACE ROOF DECKING & SHEATING AS NECESSARY. TO ENSURE A GOOD INSTALL AS PER MANUFACTURER REQUIREMENTS.
- EXISTING DOWNSPOUT TO REMAIN AND ADD SUPPLY AND INSTALL OF EXTENSION TO THE INSIDE OF DRAINAGE TRENCH IF REQUIRED, NUMBER AND LOCATION TO BE CONFIRMED ON SITE. PROVIDE A DRAINAGE TRENCH IN SIDEWALK, FOLLOWING THE LOCATION OF THE EXISTING DOWNSPOUT, AS PER DETAIL 13/A105, TRENCH NUMBER AND SIDEWALK LOCATION TO BE CONFIRMED ON SITE.

### LEGEND

V - VENT

### ROOF ASSEMBLIES LEGEND

#### (R1) NEW ROOF CONSTRUCTION

- SECOND COAT FLUID APPLIED ROOFING
- WEAVE POLYESTER REINFORCEMENT
- FIRST COAT FLUID APPLIED ROOFING
- PRIMER
- 1 PLY SELF ADHESIVE MEMBRANE (TRANSITION FROM THE TOP OF THE "TEEPEE" DOWN ONTO THE METAL ROOF AREA)
- EXISTING STEEL PLATE TO REMAIN
- EXISTING 2 PLY SELF ADHESIVE MEMBRANE TO REMAIN
- EXISTING VAPOR BARRIER TO REMAIN
- EXISTING 3 LAYERS 19 EXT PLY TO REMAIN
- EXISTING ROOF SHEATHING TO REMAIN

#### (R2) NEW ROOF CONSTRUCTION

- BROWN METAL SHAKE ROOF
- BUILDING PAPER
- EXISTING 11 OSB SHEATHING TO REMAIN
- EXISTING 150 RIGID INSULATION TO REMAIN
- EXISTING 150 Z BAR FRAMING AT 600 OC TO REMAIN
- EXISTING VAPOR BARRIER - 2 PLY MEMBRANE TO REMAIN
- EXISTING WOOD DECK - STRUCTURAL TO REMAIN
- EXISTING LAMINATED WOOD BEAMS - STRUCTURAL TO REMAIN

#### (R3) NEW ROOF CONSTRUCTION

- NEW ASPHALT SHINGLES TO MATCH EXISTING
- BASE SHEET
- EXISTING 11 OSB SHEATHING TO REMAIN
- EXISTING 38mm STRAPPING AT 400 OC TO REMAIN
- EXISTING 150 RIGID INSULATION TYPE 2 TO REMAIN
- EXISTING 150 Z BAR FRAMING AT 600 OC TO REMAIN
- EXISTING VAPOR BARRIER-2 PLY MEMBRANE TO REMAIN
- EXISTING 16 PLY SHEATHING TO REMAIN

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CG

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SHAWN LUMSDEN

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client

Drawing title/Titre du dessin

### ROOF REPLACEMENT PLAN AND SECTION

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.059377.001	A102	3

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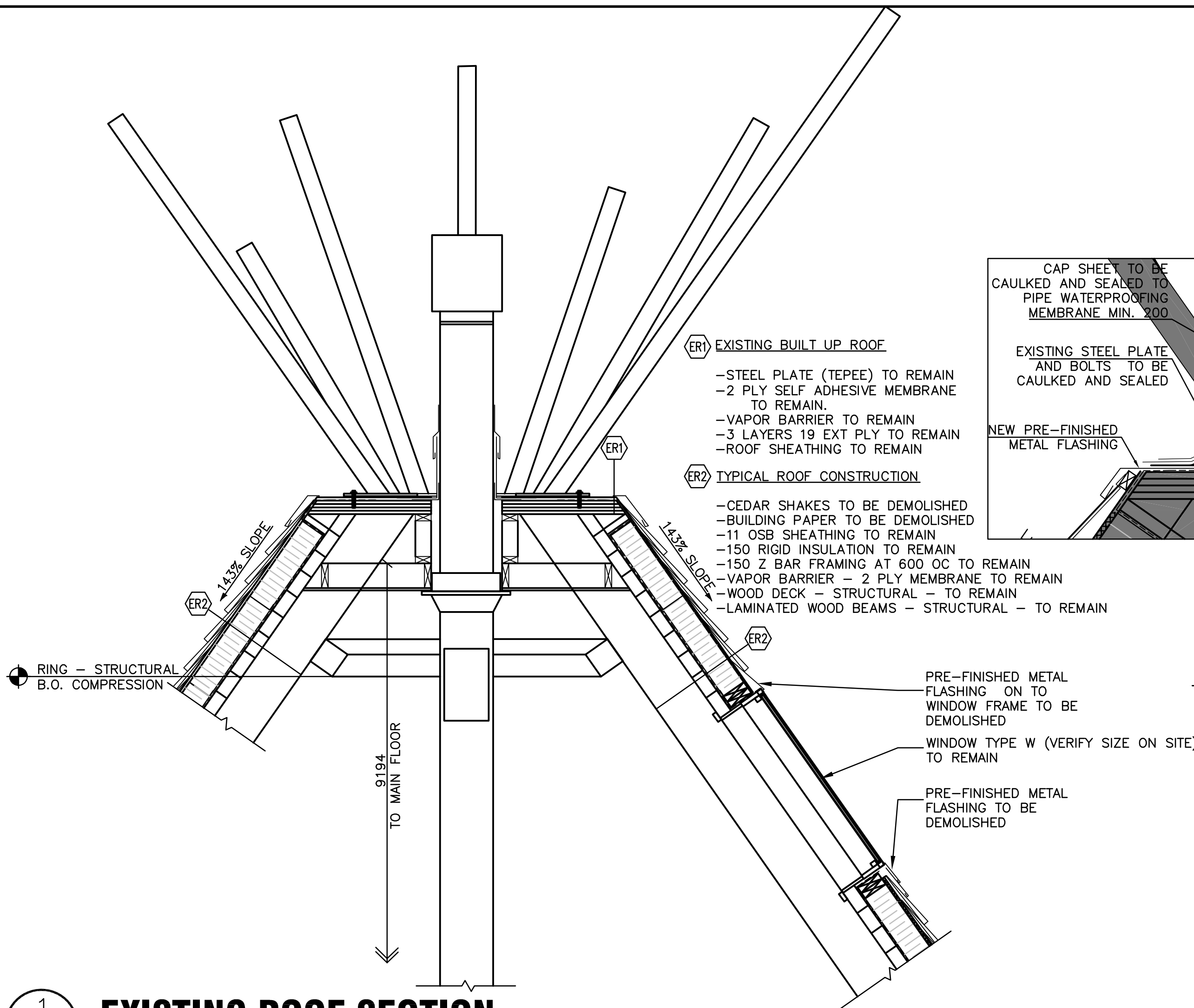
Drawing title/Titre du dessin

EXISTING & NEW SECTIONS

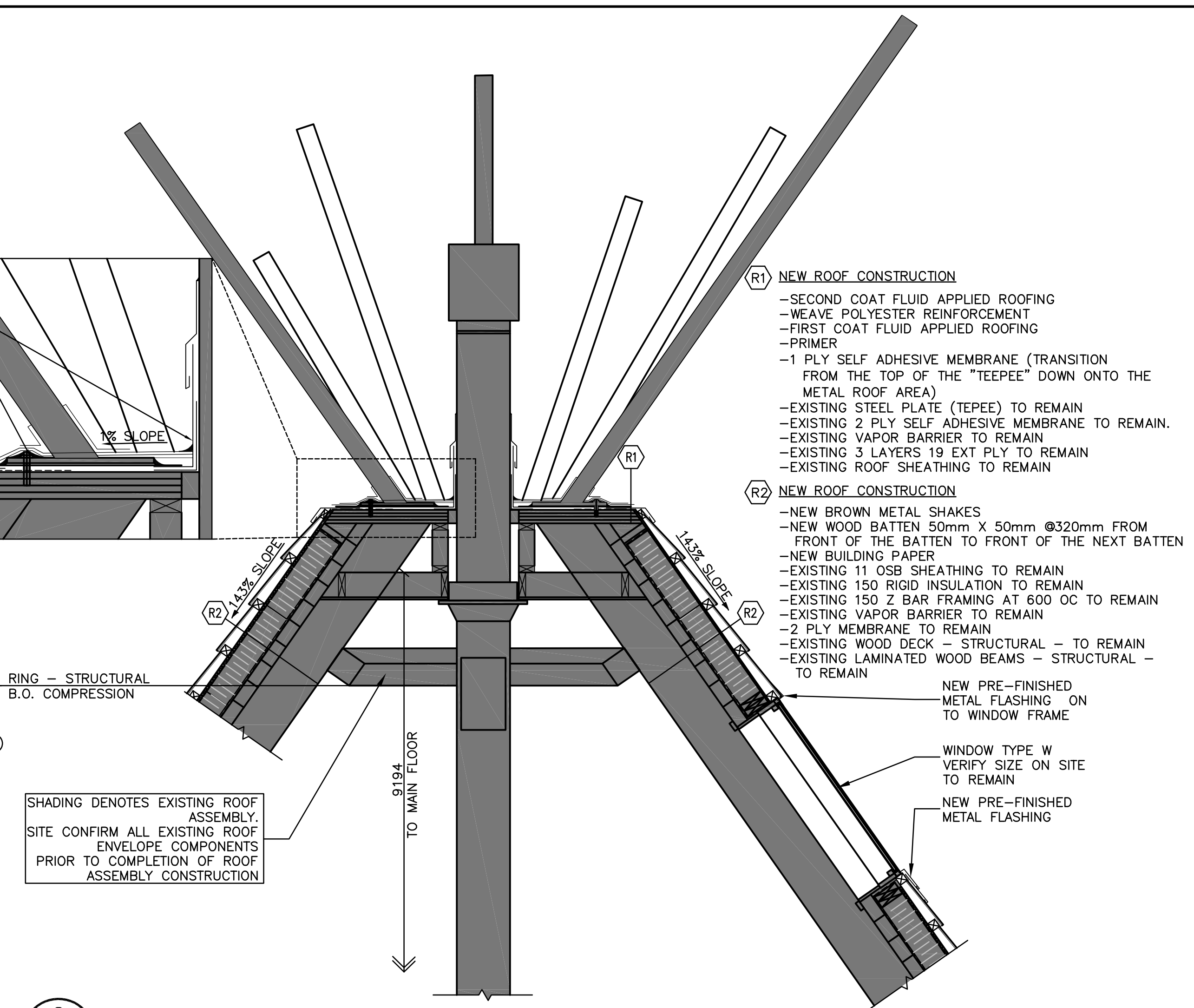
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R.059377.001

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A103  
OF 06

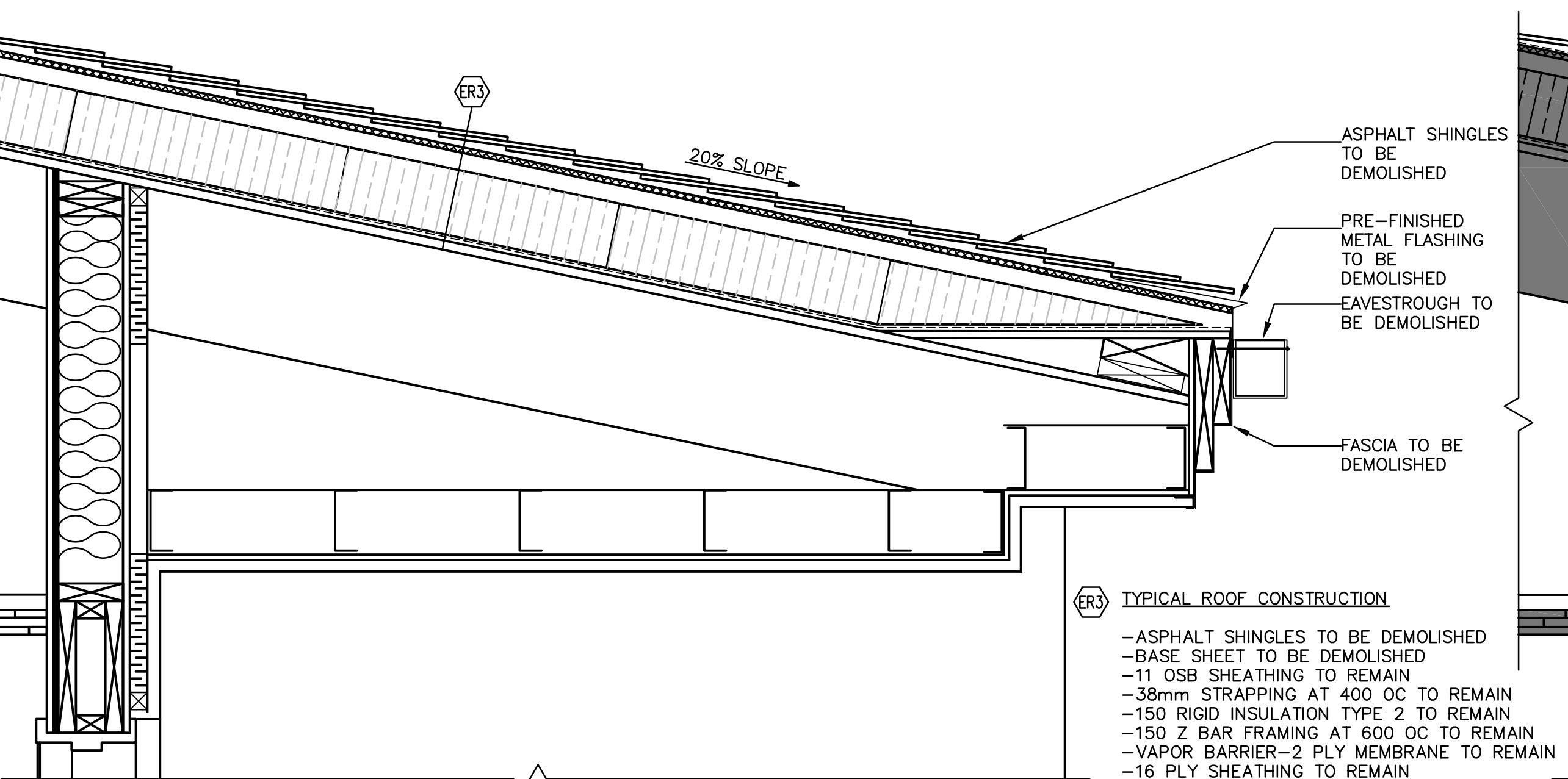
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2



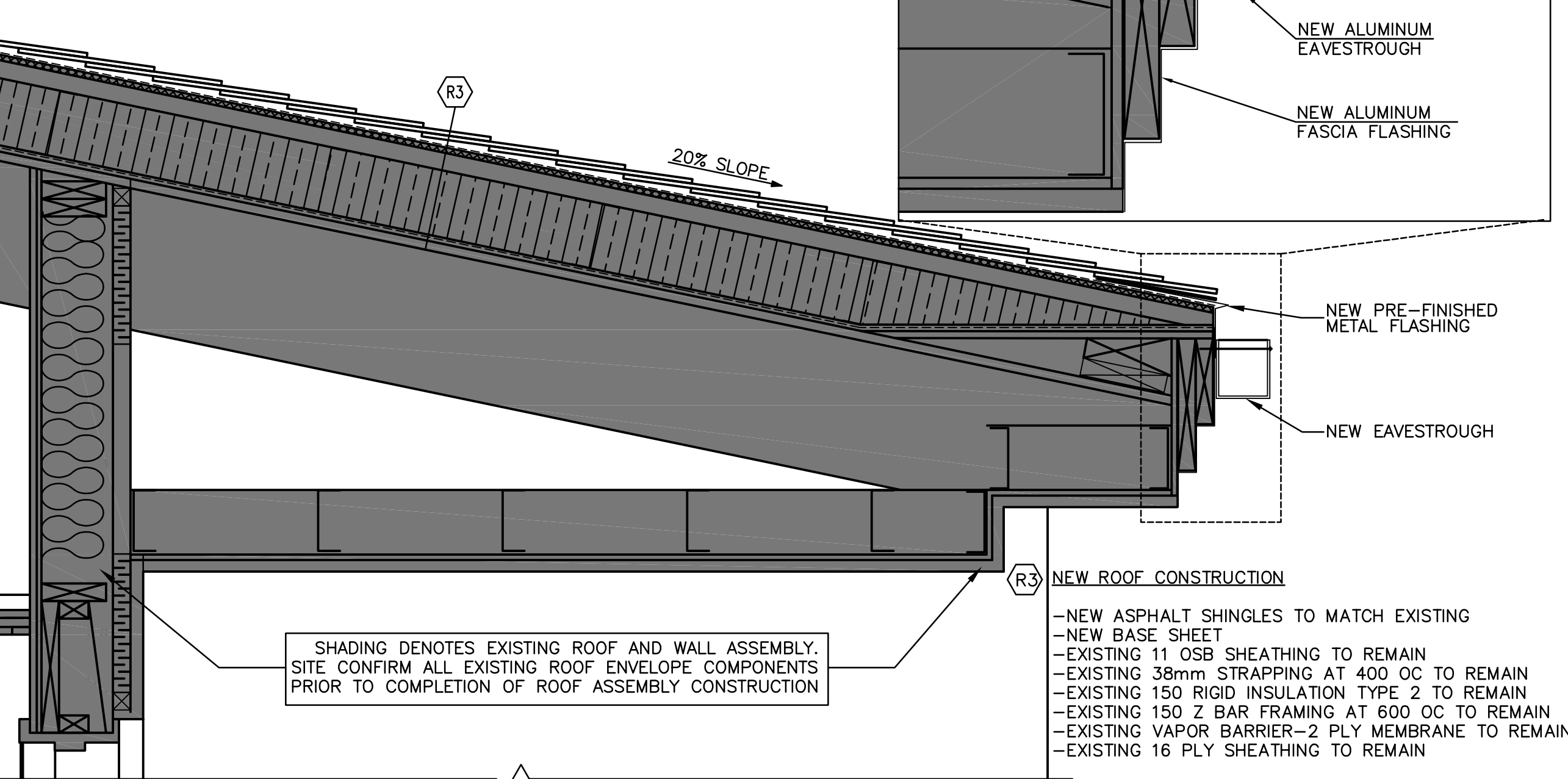
1 EXISTING ROOF SECTION  
A103 SCALE= 1:20



2 ROOF REPLACEMENT SECTION  
A103 SCALE= 1:20

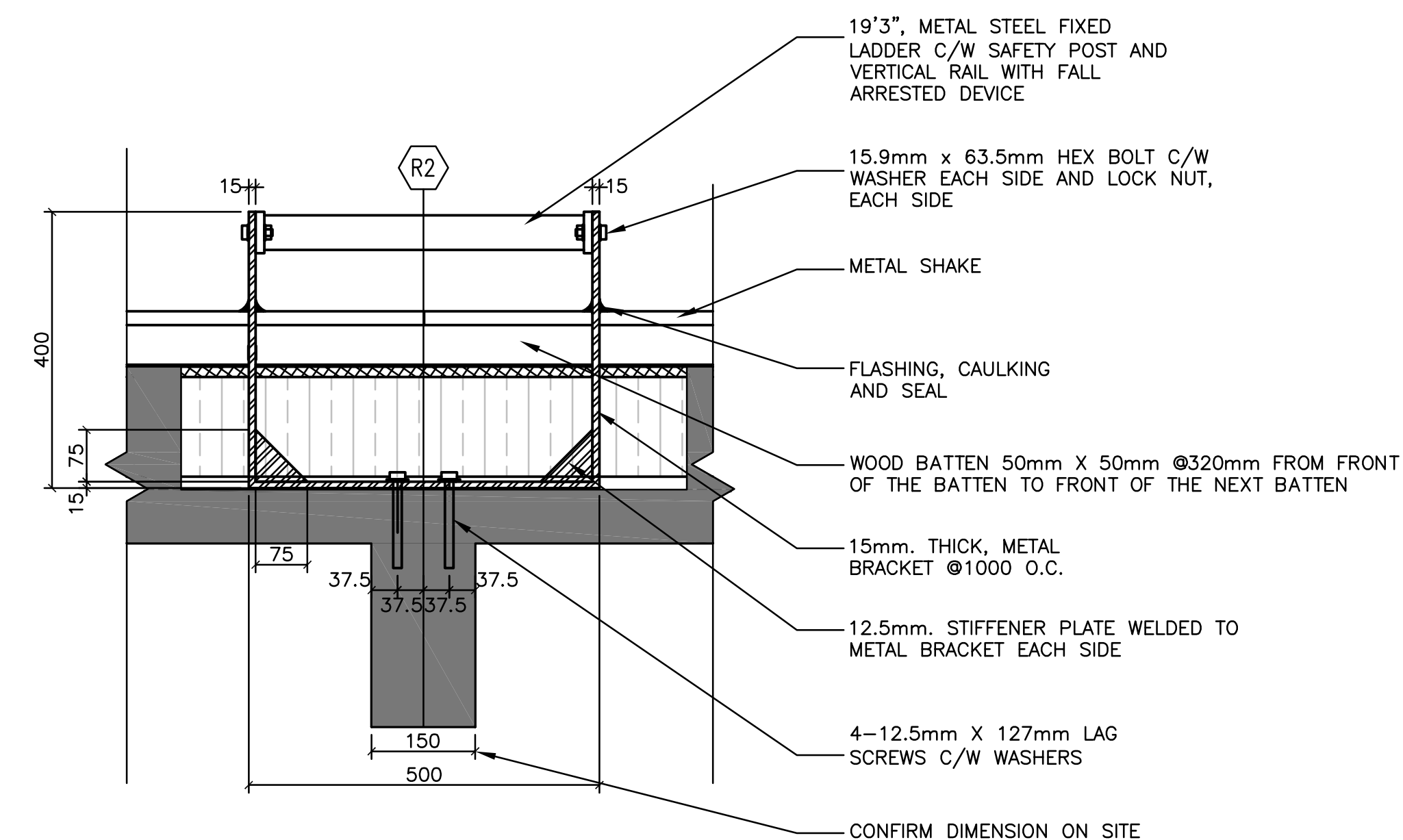
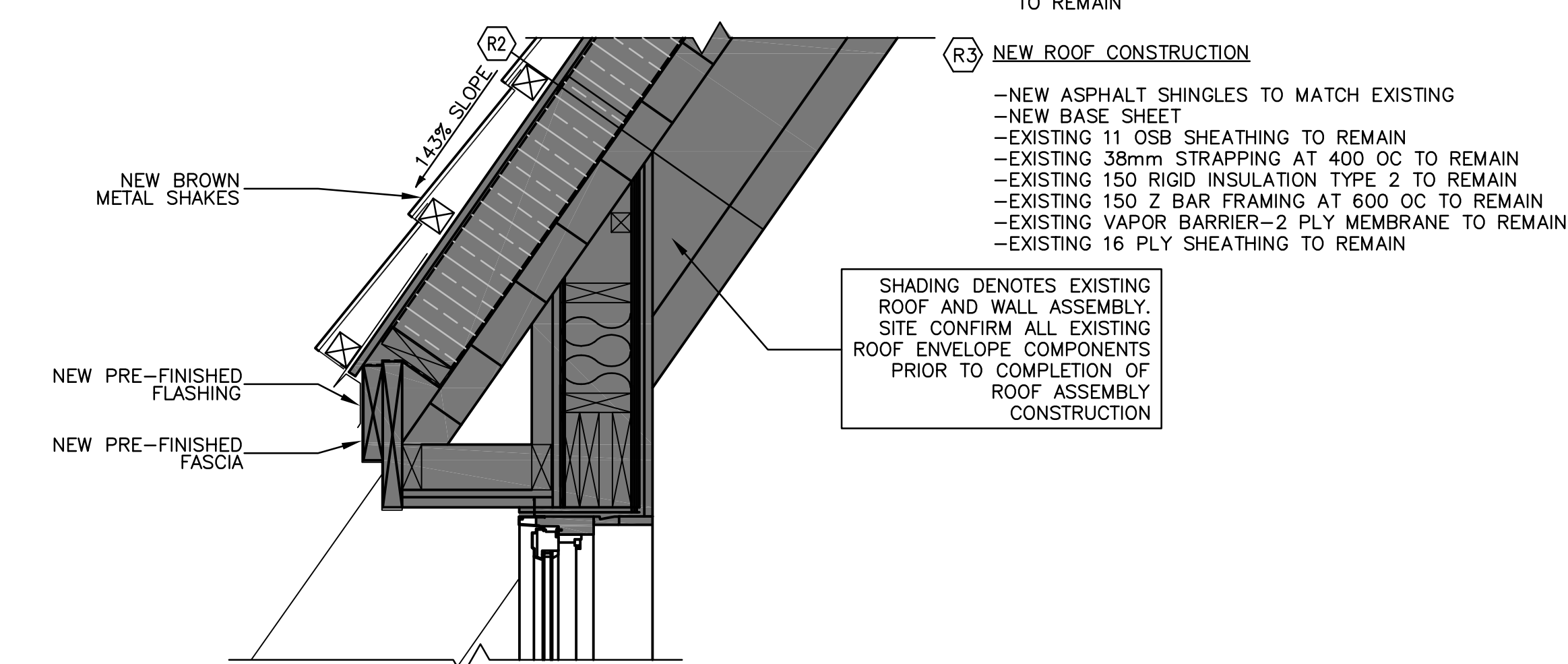
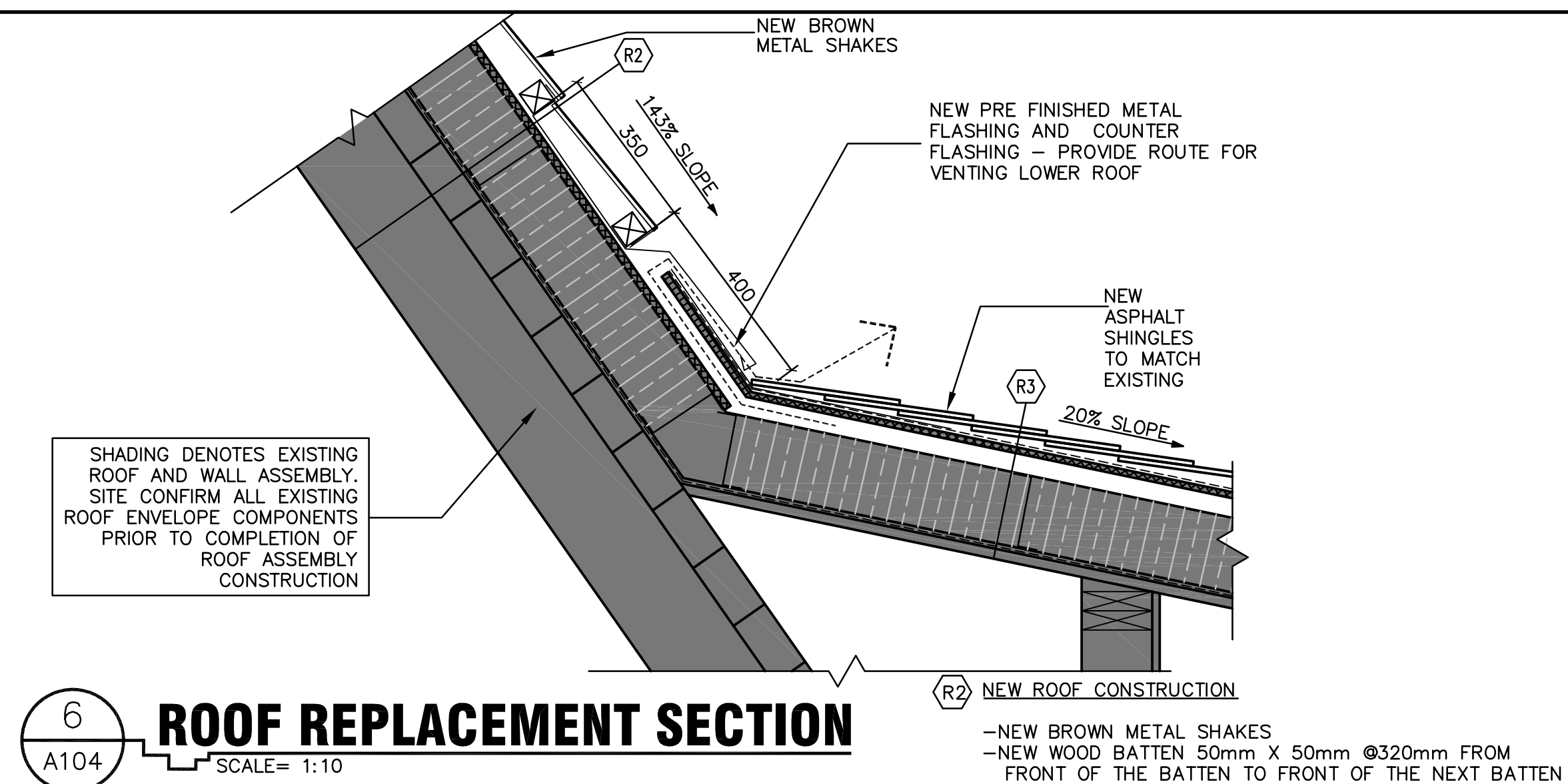
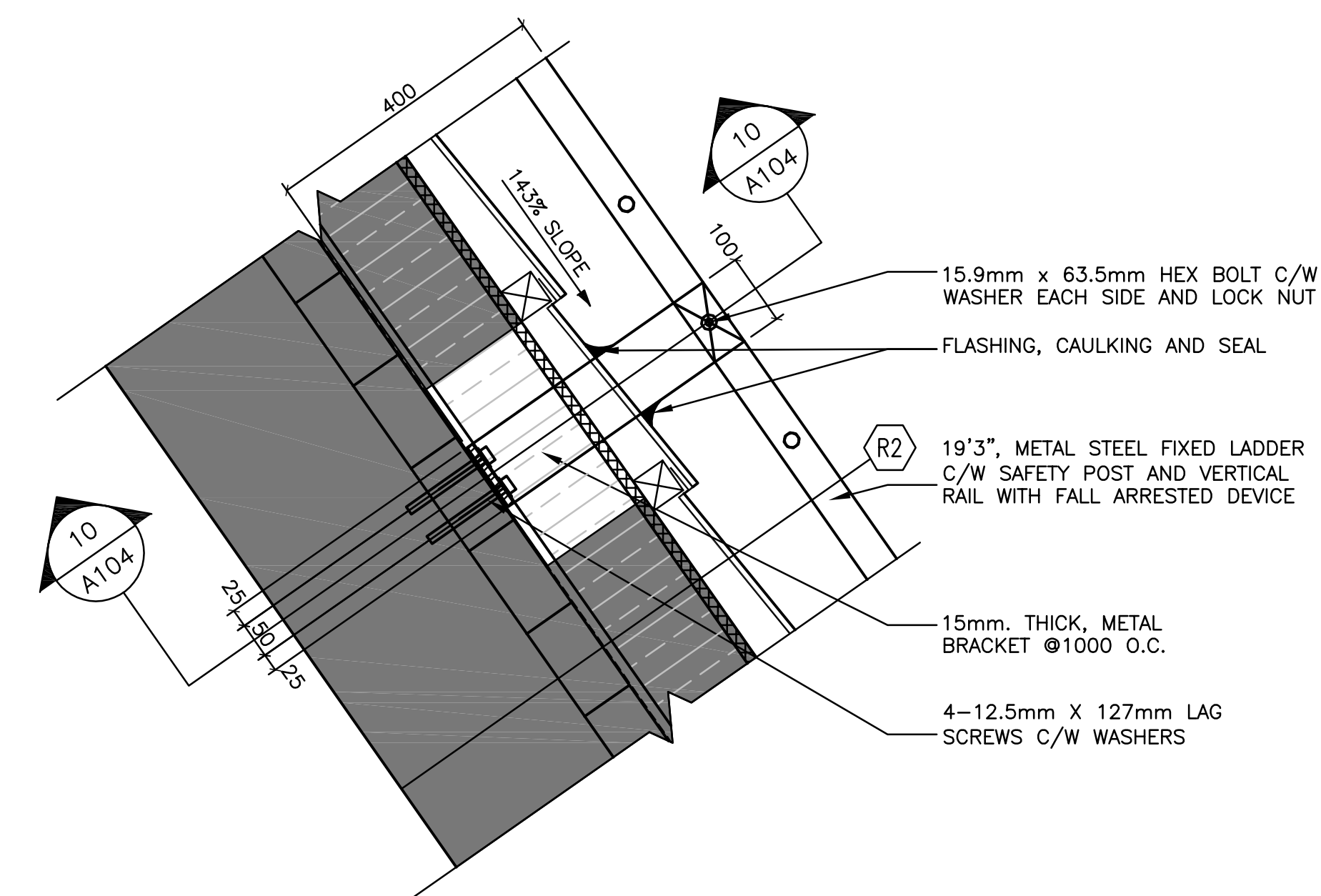
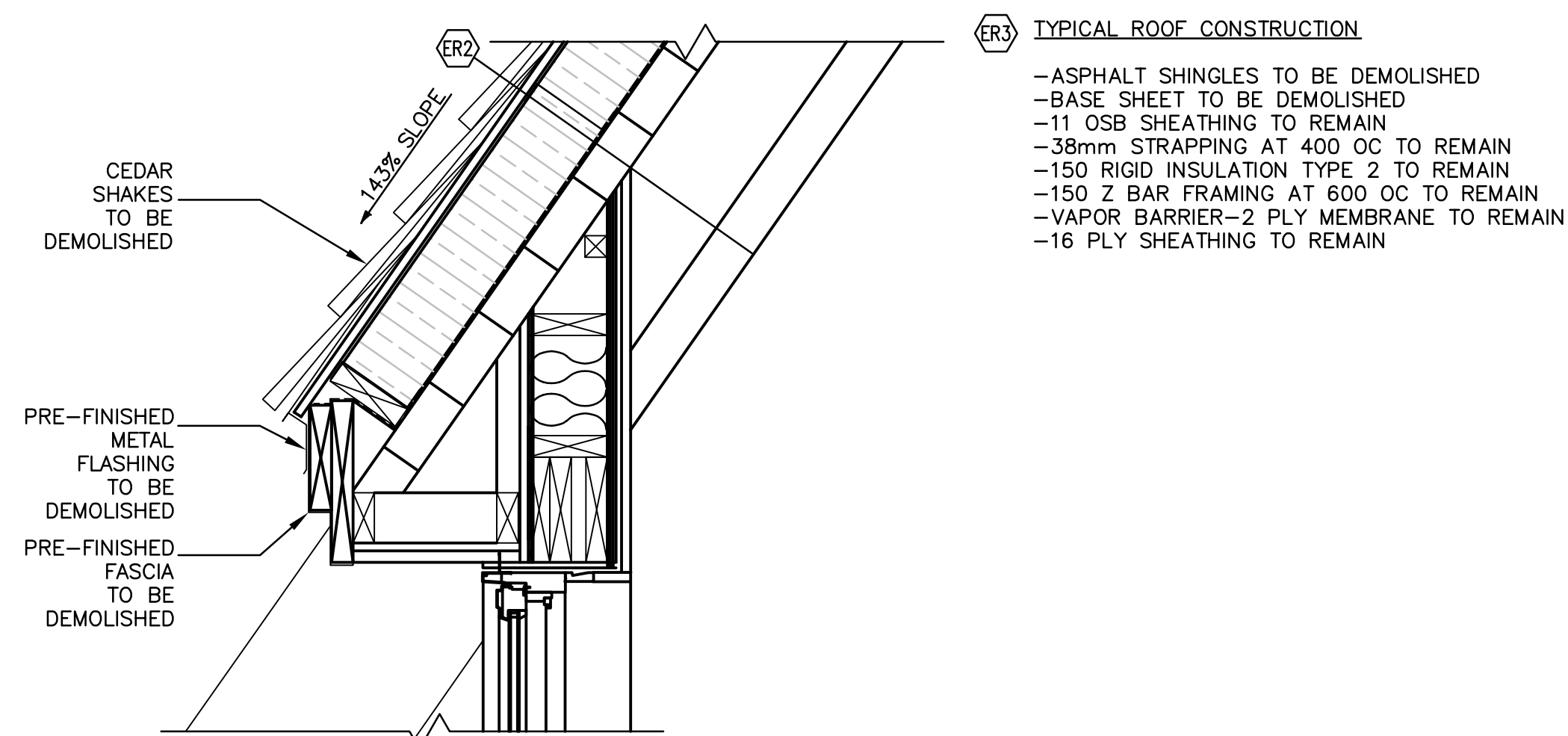
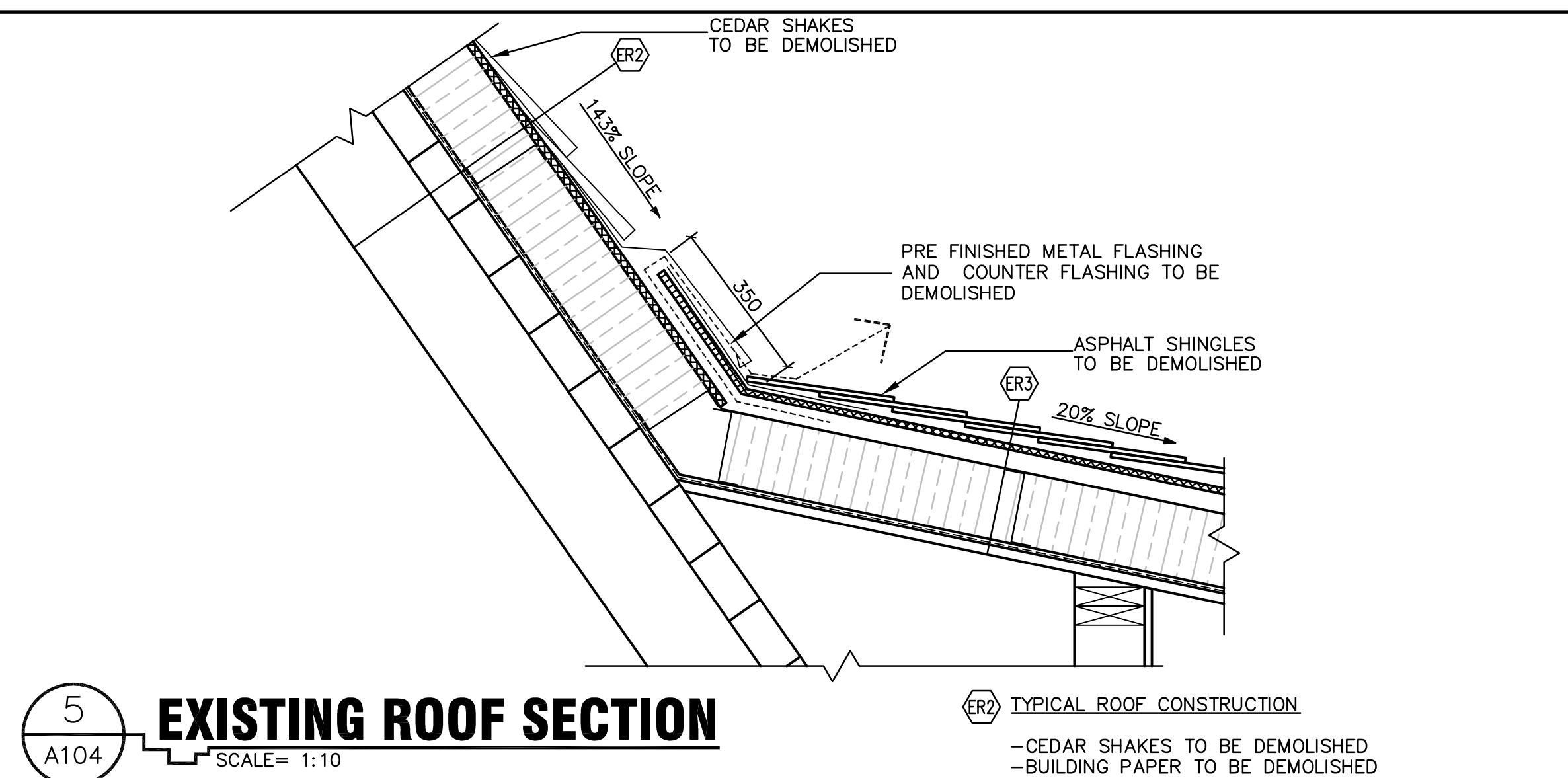


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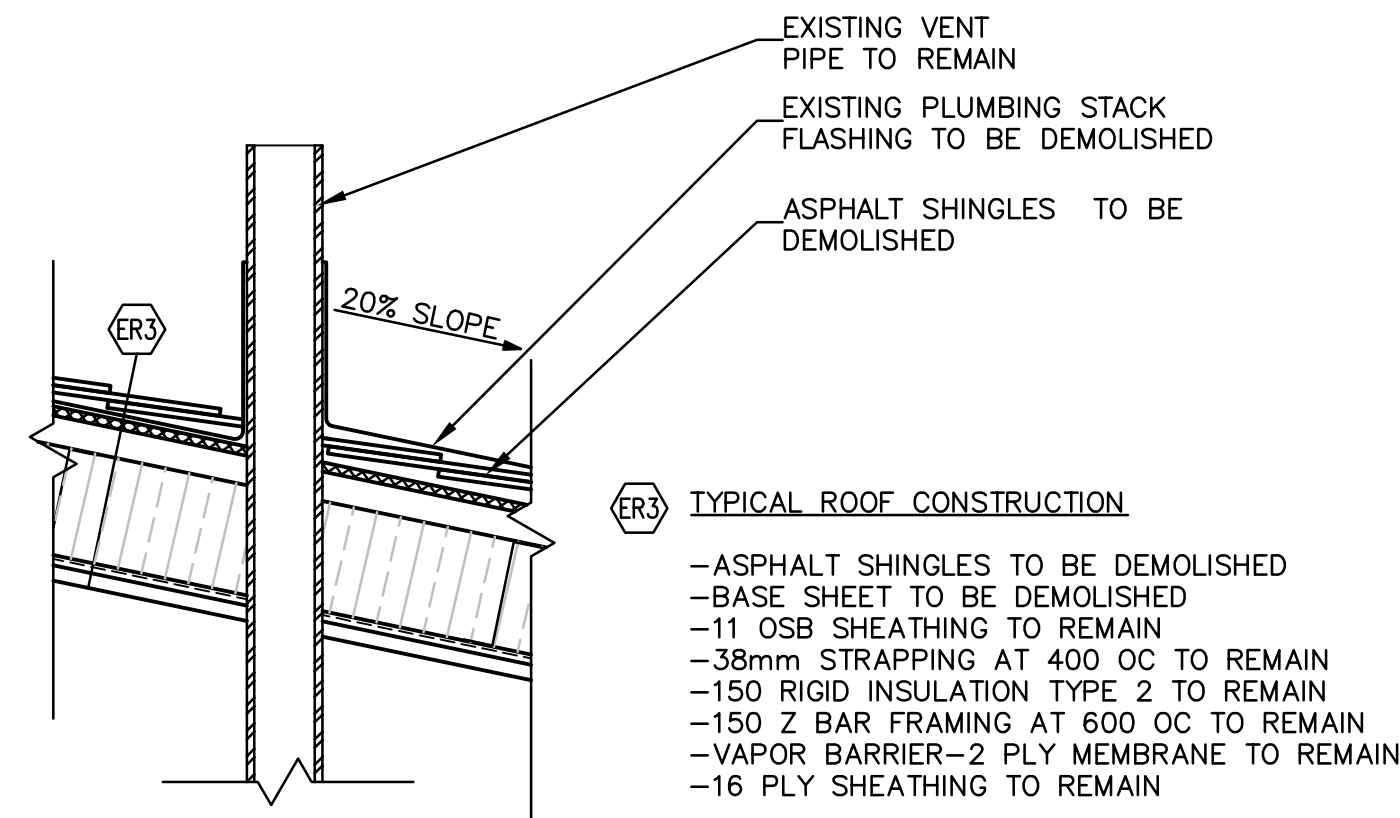


4 ROOF REPLACEMENT SECTION  
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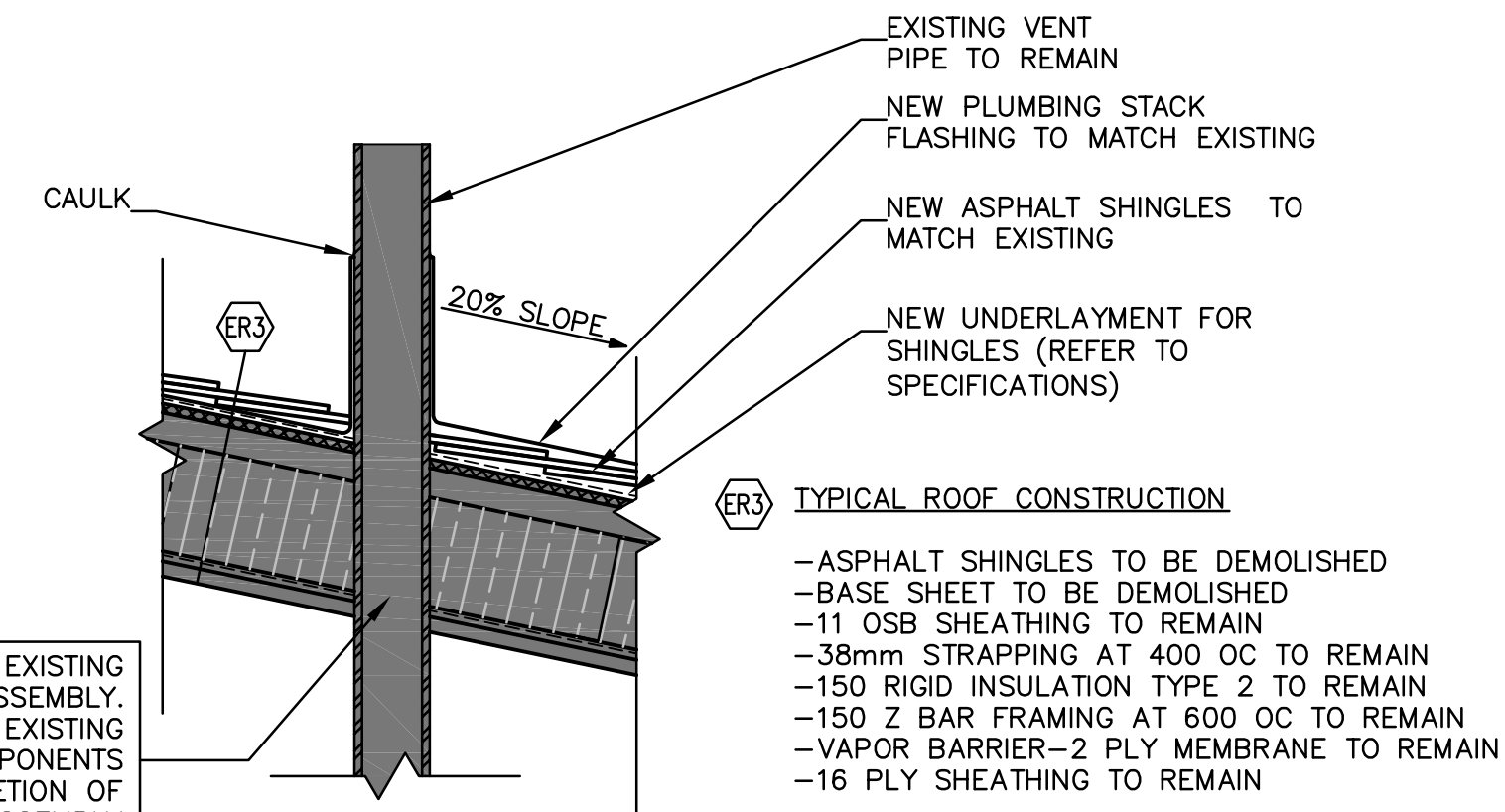




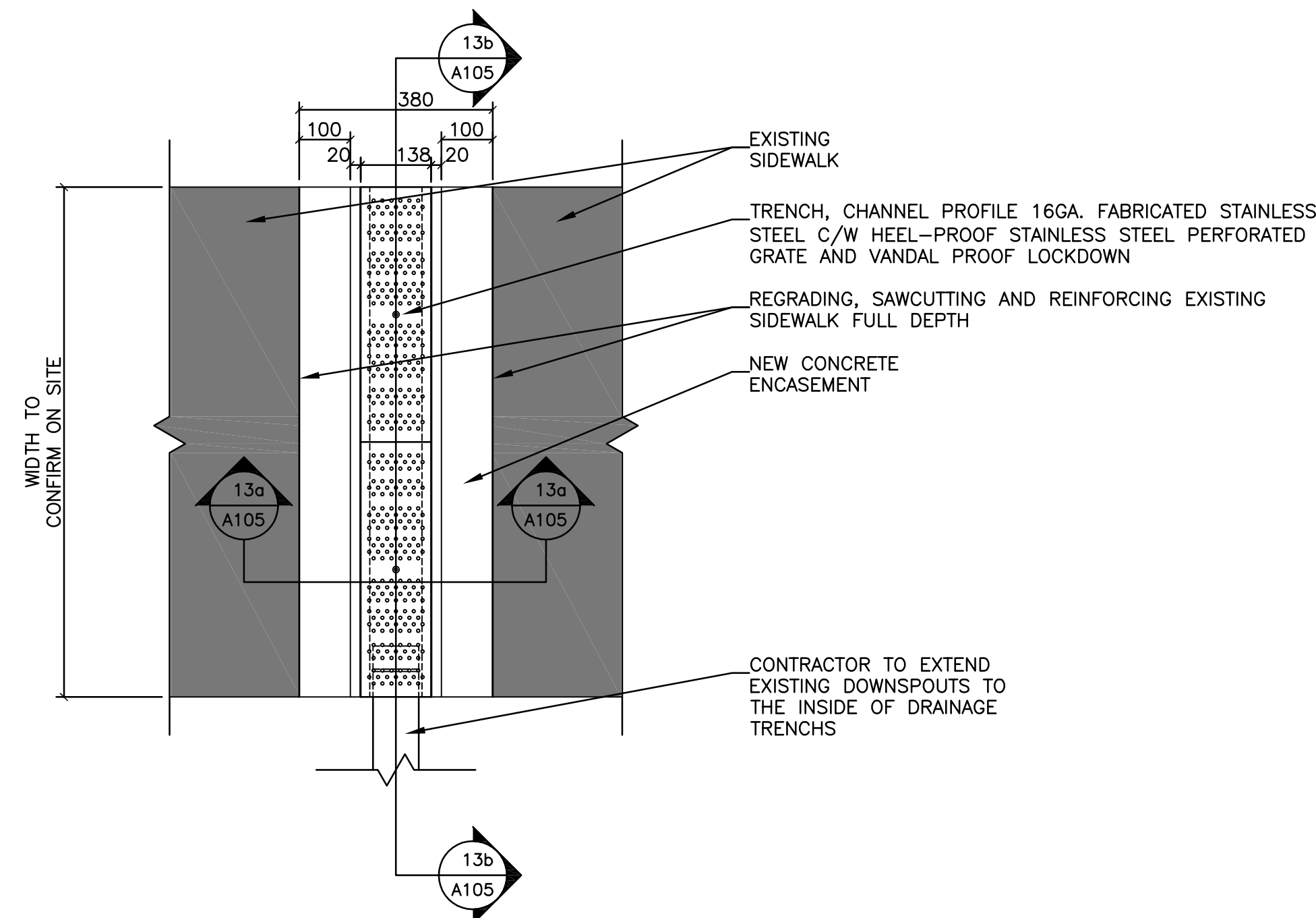




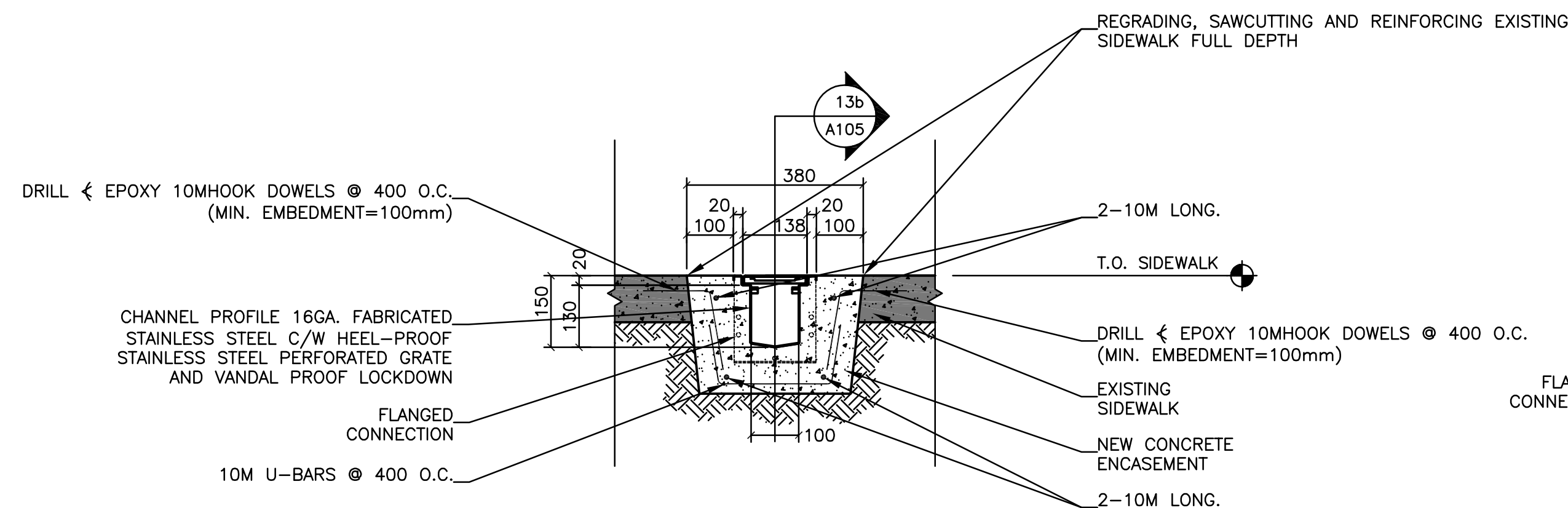
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A105  
**EXISTING VENT PIPE**  
SCALE= 1:10



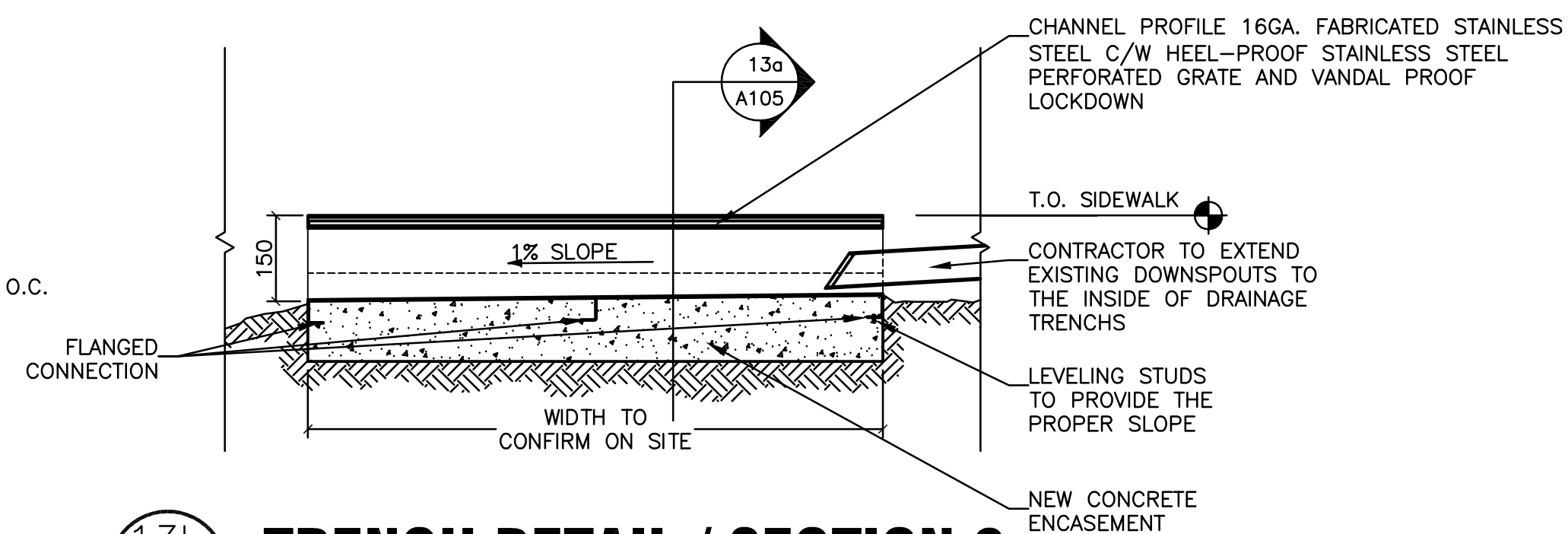
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A105  
**NEW PLUMBING STACK FLASHING**  
SCALE= 1:10



13  
A105  
**TRENCH DETAIL**  
SCALE= 1:10



13a  
A105  
**TRENCH DETAIL / SECTION 1**  
SCALE= 1:10



13b  
A105  
**TRENCH DETAIL / SECTION 2**  
SCALE= 1:10

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A105  
OF 06

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2