



## PROJECT DESCRIPTION

Project Name : Parks Canada  
 City : Banff  
 Province : Alberta  
 Legal Lot Description :  
 Applicable Building Code : AB BC 2006

### Log Engineer

Name :  
 Address :  
 Phone # :

## DESIGN LOADS

Roof :  
 Dead Loads : Framing, Decking & Insulation : \_\_\_\_\_ kPa  
 Ceiling, Mechanical & Electrical : \_\_\_\_\_ kPa  
 Total Dead Loads : \_\_\_\_\_ kPa  
 Live Loads : Ground Snow Load (Ss) : \_\_\_\_\_ kPa  
 Rain Load (Sr) : \_\_\_\_\_ kPa

Floors :  
 Dead Loads : Framing, Decking & Accesories : \_\_\_\_\_ kPa  
 \_\_\_\_\_" Concrete Topping : \_\_\_\_\_ kPa  
 Total Dead Loads : \_\_\_\_\_ kPa

Live Loads : Residential  
 Exterior Decks :  
 Dead Loads : Framing, Decking & Accesories : \_\_\_\_\_ kPa  
 Live Loads : \_\_\_\_\_ kPa

Wind Loads : Hourly Wind Pressure (1/50) \_\_\_\_\_ kPa  
 Seismic Data :  
 Sa (0.2) = \_\_\_\_\_  
 Site Class : \_\_\_\_  
 Rd = Ro = 1.5

## LOG NOTES

- TF. 1: Log Drawings are to be read in conjunction with architectural and structural drawings.
- TF. 2: Temporary support and temporary bracing of the Logs and other elements during construction is the responsibility of the contractor.
- TF. 3: Logs been designed for gravity loads only.
- TF. 4: The lateral load resisting is to be designed by others and to be secured to the Log system. Sheathed walls, SIP panels, floor diaphragm and roof diaphragm are to be secured to the Log frame.
- TF. 5: Joinery is cut to a tolerance not to exceed +/-1/16" of specified dimensions.
- TF. 6: Refer to specific joinery details where specified.
- TF. 7: Provide mechanical anchorage, by others, of Log posts to the foundation or substructure by means of a framing strap, knife plate, per structural detail.
- TF. 8: Where beam pockets are noted, structural support is to be designed and provided by others.

## MATERIAL SPECIFICATIONS

Logs u.n.o. on drawings : (NLGA visual grading rules)  
 > Species : D.FIR / LARCH  
 > Grade : No.1 or better per contract documents  
 > Finish Size : As noted

Glulam (To CAN/CSA 0122-06)  
 > Species : D.FIR  
 > Grade : 24f-E for single span beam  
 4f-EX for more span continuous beams  
 11f-E for columns

Hardware  
 > Bolt : ASTM A307  
 > Threaded Rod : ASTM A307  
 > Lag Bolt : ASTM A307  
 > Drift Pin : ASTM A307 or CSA CAN3-G40.21 300W  
 > Screws : HECO or SFS Intec Blue Max  
 > Washers : Maleable cast iron

Custom Hardware  
 > Fabricated to CAN/CSA S16.1  
 > Steel to CSA CAN3-G40.21-04 with the following grades  
 Structural shapes : 350W  
 Hollow structural sections: 350W  
 Column base plates : 300W  
 Miscellaneous plates : 260W  
 Pipe sections : ASTM A53, 241W

Hot dip galvanize all hardware permanently exposed to weather or where staining of logs is a concern. All finishes to client or architects specifications.

## JOINERY SPECIFICATIONS

- Tenons :
- > Hand scribed
  - > u.n.o. 2" wide tenons in members greater than 6" and 1-5/8" in members equal or less than 6" wide.
  - > u.n.o. 2" wide tenons are 4-1/2" long and the 1-5/8" wide tenons are 3-1/2" long
  - > depth may be reduced in cases of tenon interference (see details)
  - > both side walls of mortises shall be greater than or equal to the mortise width.

## NOTES

- 1.) Do not scale these drawings.
- 2.) All measurements are rounded to 1/8".
- 3.) All measurements have to be checked with with site measurements.
- 4.) These drawings are only for the timber frame of the project.
- 5.) Use these drawings only with the approval from the engineer.
- 6.) Compare drawings with architectural and site measurements.

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				
A B		Detail number Sheet number	A Numéro de detail B Numéro de la feuille	
Linear dimensions in millimetres		Dimensions linéaires en millimètres		

Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Parks Canada      Parcs Canada  
 Asset Management      Gestion des biens  
 Western and Northern      Région de l'Ouest et du  
 Region      Nord

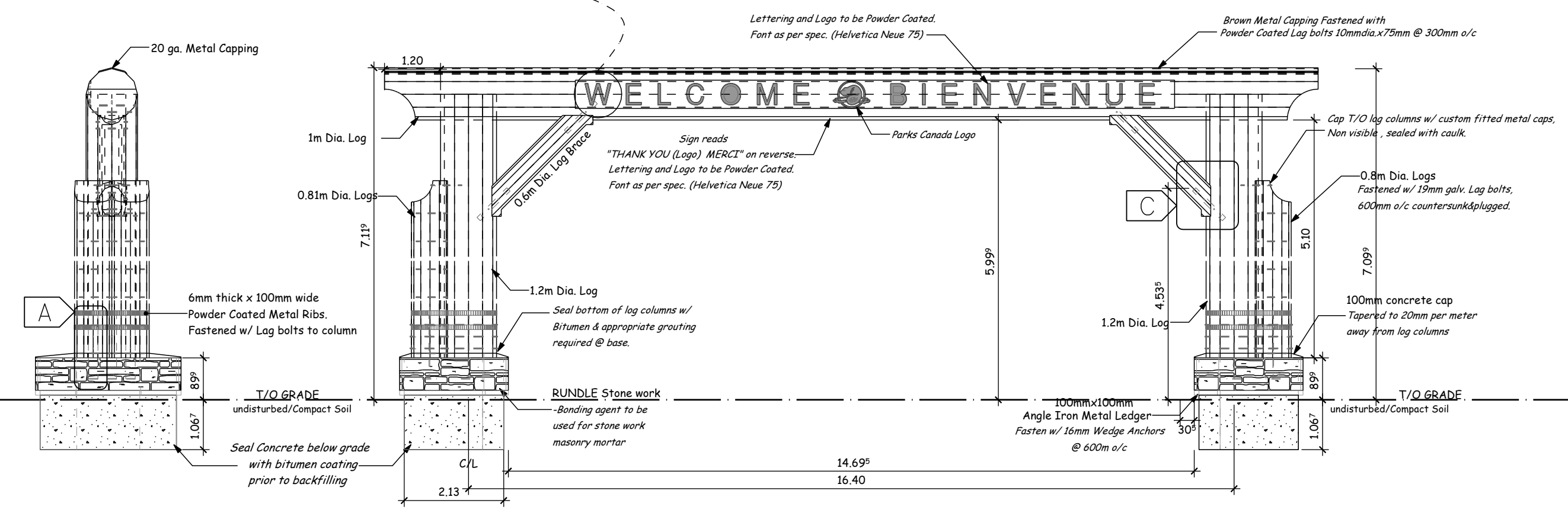
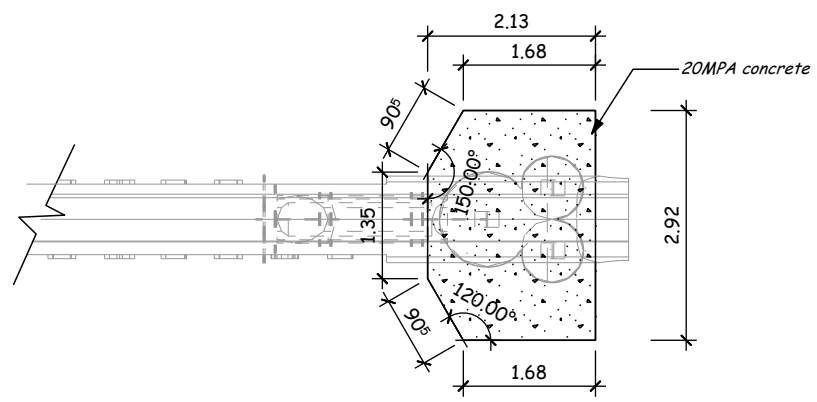
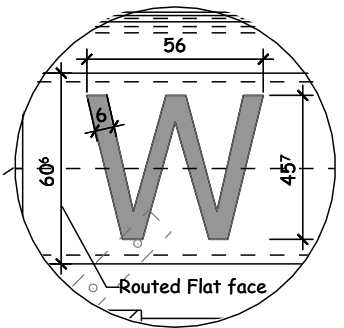
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Project title/Titre du projet		
<h1 style="margin: 0;">Bow Valley Entrance Structure</h1>		
Drawing title/Titre du dessin		
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Client Acceptance/Acceptation du client		Approved by/Approuvé par
_____ Date _____ Date		_____ Date _____ Date
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
Drawing Set No./N° de série du dessin		

# Highway Sign

SCALE: 1/8"=1'-0"

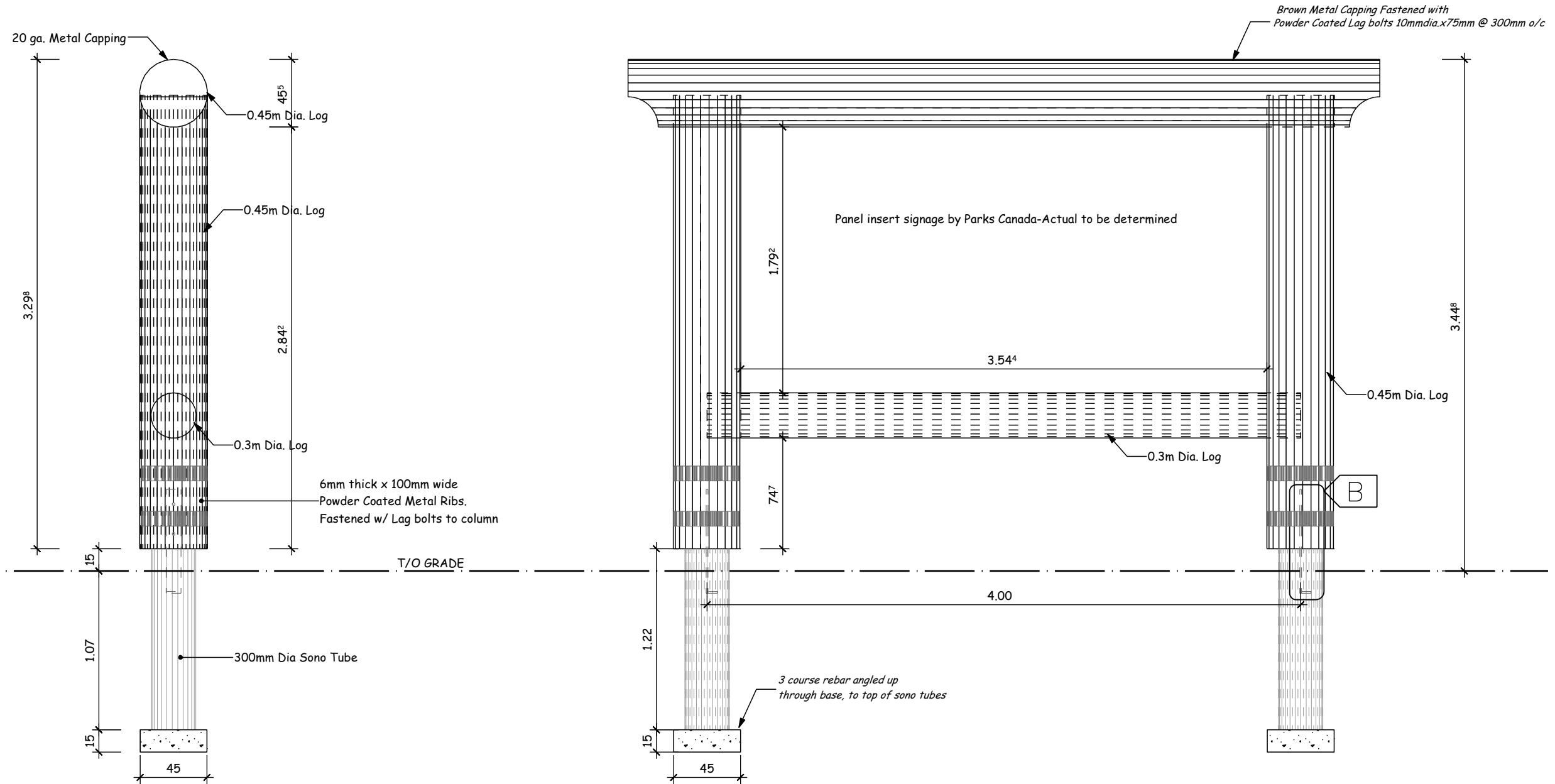


NOTES:  
 -Concrete to be 20 MPA. -All log work is scribe fitted.  
 -Reinforced w/ 16mm rebar, 600mm o/c pattern w/ one perimeter course 150mm in from outside,  
 -Top and Bottom layers, Spacing middle 3 layers equally, connected with 1 upright rebar at each intersection complete with tie wire.

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# Auxiliary Signs

SCALE: 3/8"=1'-0"

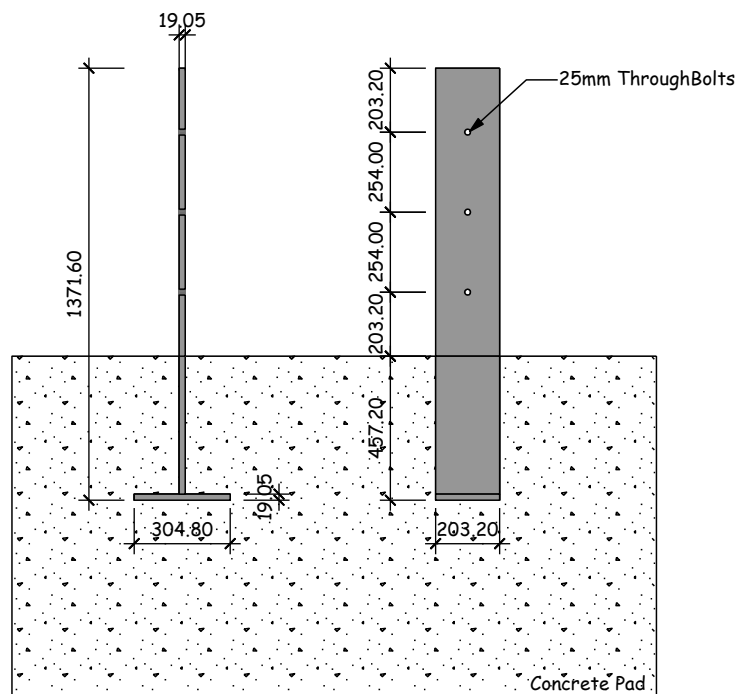


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A

DETAIL A

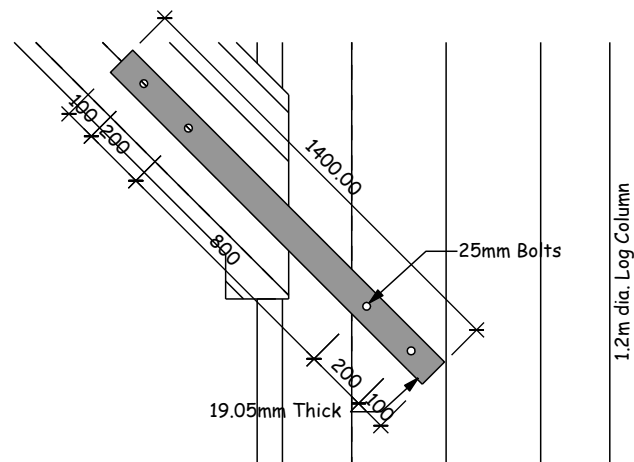
SCALE : 1/2" = 1'-0"



C

DETAIL C

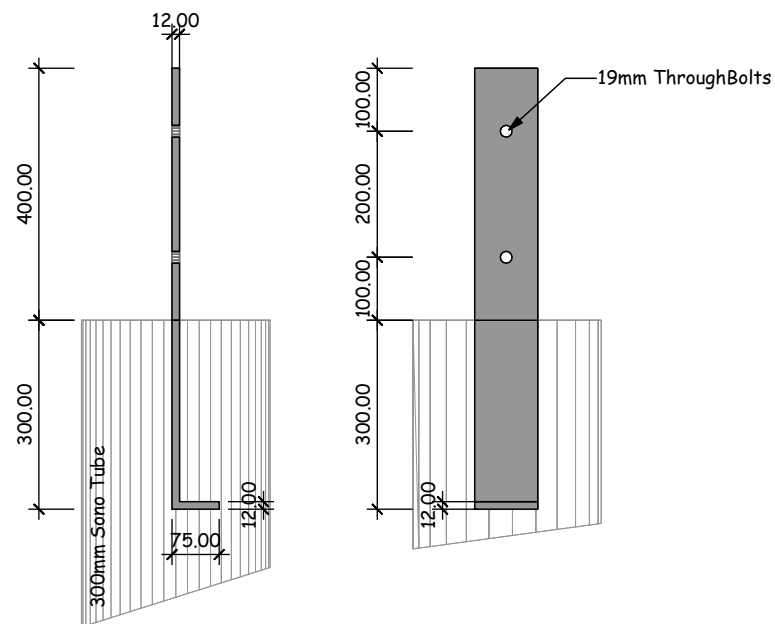
SCALE : 1/2" = 1'-0"



B

DETAIL B

SCALE : 1" = 1'-0"



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