



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 Parc Canada
 Asset Management Gestion des biens
 Western and Northern Région de l'Ouest et du
 Region Nord

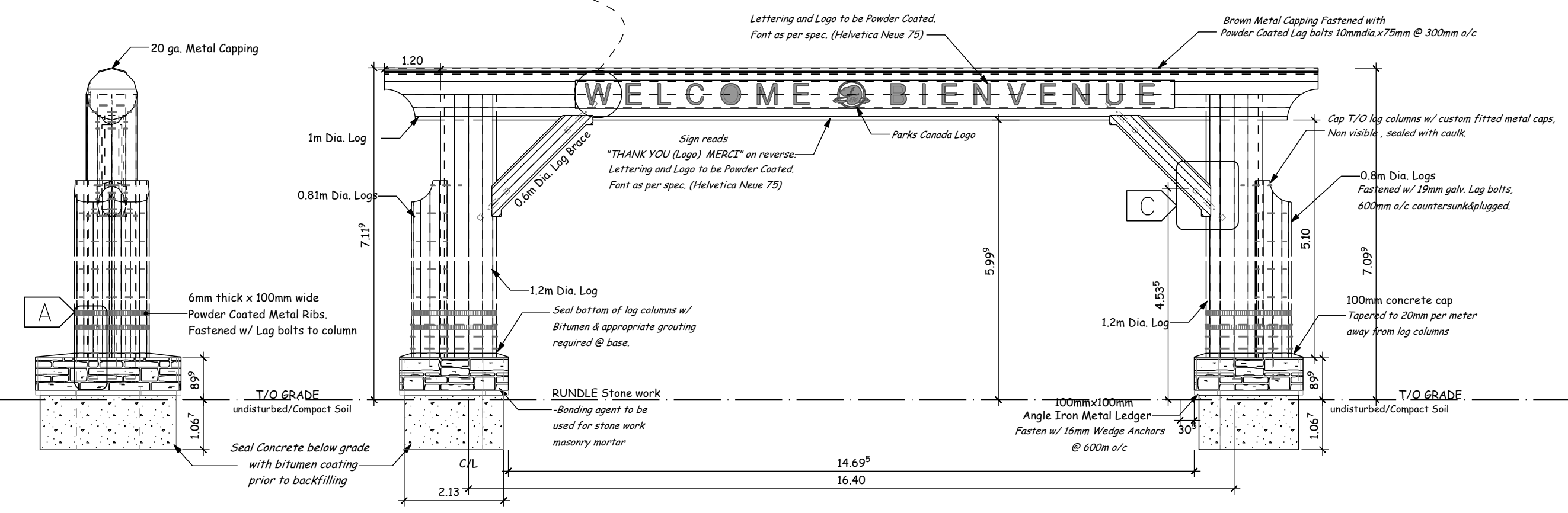
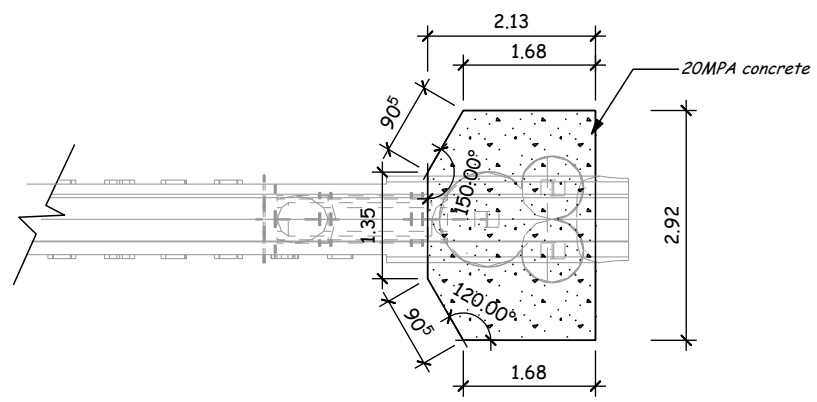
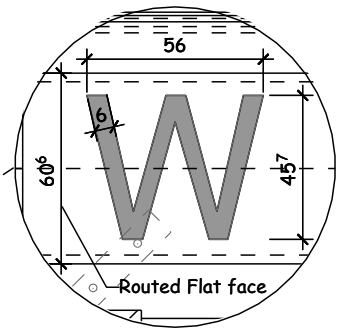
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Project title/Titre du projet		
<h1 style="margin: 0;">Bow Valley Entrance Structure</h1>		
Drawing title/Titre du dessin		
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Client Acceptance/Acceptation 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"

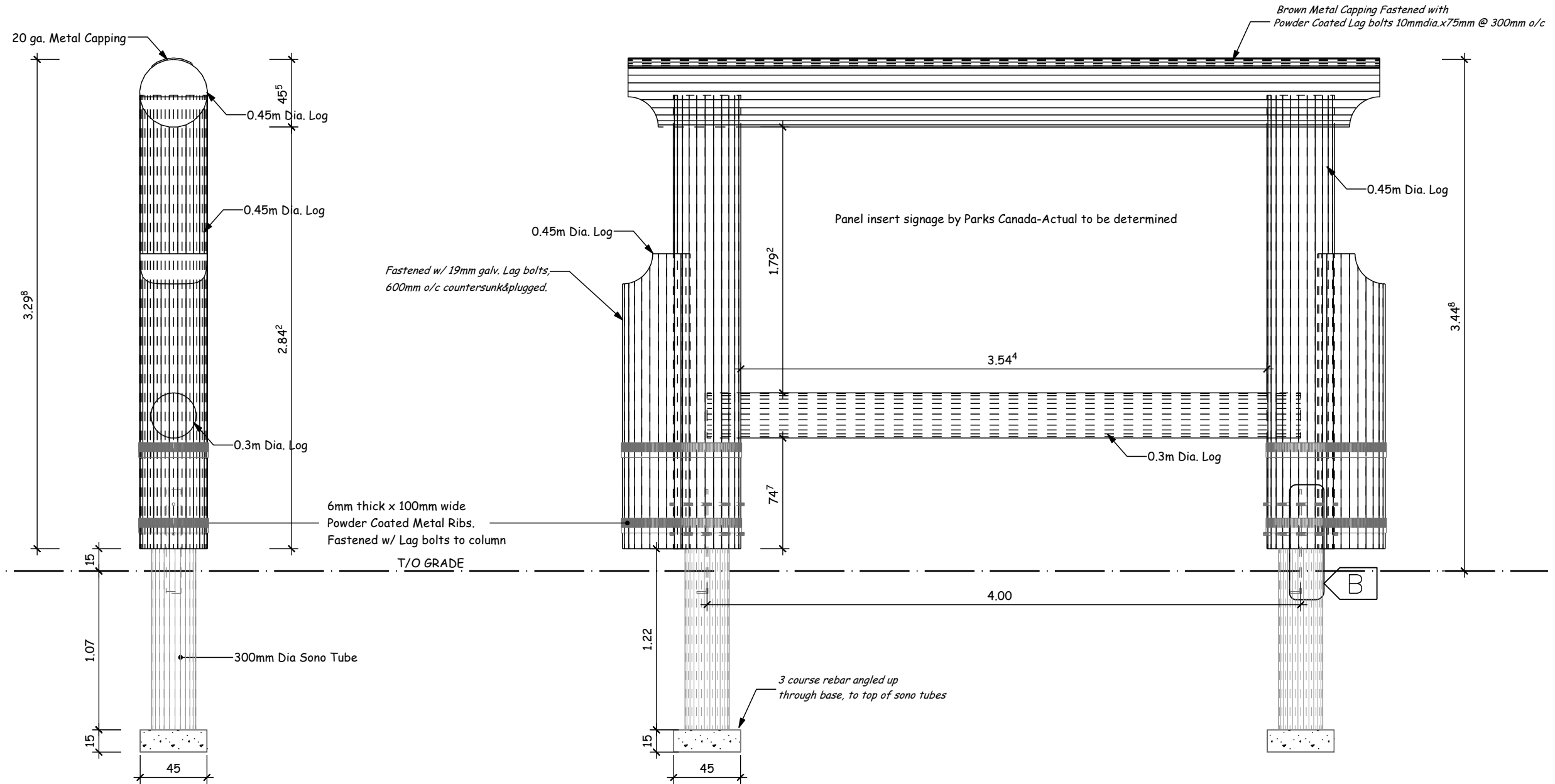


NOTES:
 -Concrete to be 20 MPA. -All log work is scribe fitted.
 -Reinforced w/ 16mm rebar, 600mm o/c pattern w/ one perimeter course 150mm in from outside,
 -Top and Bottom layers, Spacing middle 3 layers equally, connected with 1 upright rebar at each intesection complete with tie wire.

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Parks Canada Asset Management Western and Northern Region		Parcs Canada Gestion des biens Région de l'Ouest et du Nord		
Canada				
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Auxiliary Signs

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



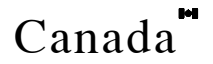
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Revision / Revision				

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name Nom de l'expert-consult	Eng. Stamp Sceau de l'ingénieur
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Project title/Titre du projet

Bow Valley Entrance Structure

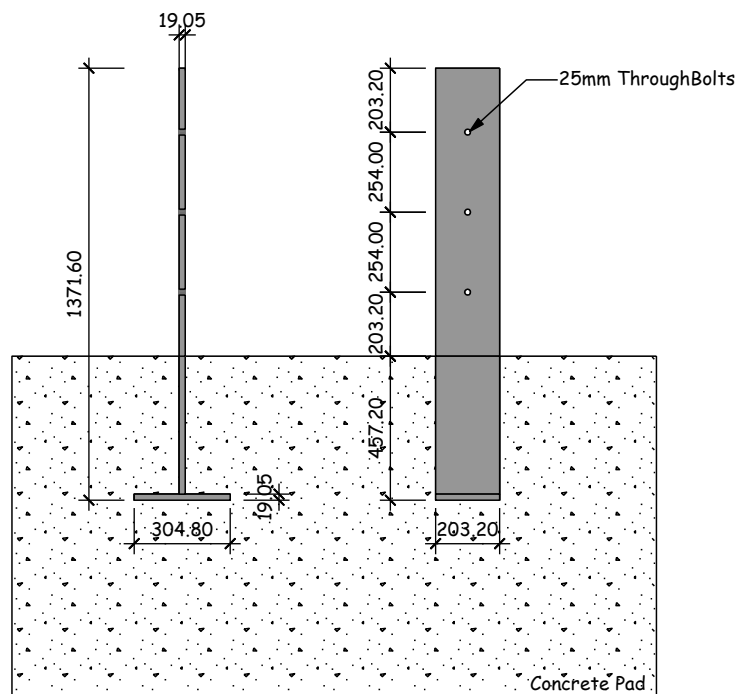
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A

DETAIL A

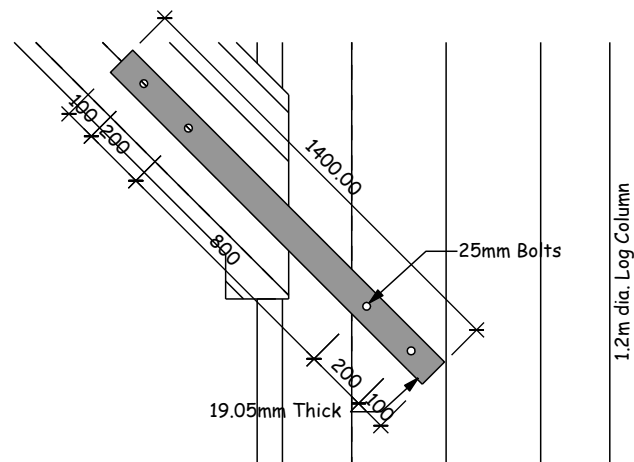
SCALE : 1/2" = 1'-0"



C

DETAIL C

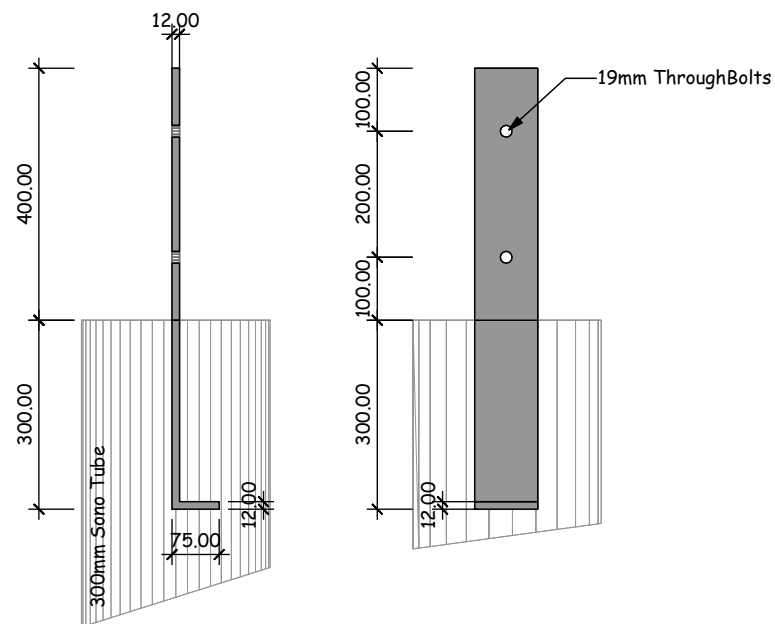
SCALE : 1/2" = 1'-0"



B

DETAIL B

SCALE : 1" = 1'-0"



No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
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