

ENGINEERING REPORT

PRODUCT:

Side Mounted Adjustable Glass Spigot

CODES MET:

NBC 2015 and BCBC 2018

DATE:

October 16, 2023

Corbally Consulting Ltd. has prepared an engineering report for the Bezdán Stainless Side Mounted Adjustable Glass Spigot. See pages 2 - 4 to view the condensed report.



To view the complete report please contact our Customer Service department:

info@geobezdan.com 1 800 663 6356



THE BEZDAN SIDE MOUNTED ADJUSTABLE GLASS SPIGOTS INSTALLED IN THE CONFIGURATIONS SHOWN MEET THE REQUIREMENTS OF THE RELEVANT NBC (NATIONAL BUILDING CODE) 2015 & BCBC (BRITISH COLUMBIA BUILDING CODE) 2018 CLAUSES BELOW.

GUARD RAIL ANALYSIS WAS CARRIED OUT AS PER THE REQUIREMENTS OF THE NBC 2015 & BCBC 2018.

WIND LOAD: NBC 2015 - SECTION 4.1.7.1 - CLAUSE 5, WITH NBC 2015 STRUCTURAL COMMENTARY - FIG. I-24 FOR FREESTANDING WALLS.

GUARD LOADS: NBC 2015 - SECTION 4.1.5.1.4. & TABLE 9.8.8.2.

GUARD HEIGHT REQUIREMENTS: NBC 2015 - SECTION 9.8.8.3. - CLAUSE 1.

LOAD COMBINATIONS: NBC 2015 - TABLE 4.1.3.2.-A.

ALL TABLES REFERENCED WITHIN THESE DRAWINGS ARE CONTAINED WITHIN CORBALLY CONSULTING REPORT: "ENGINEERING REPORT FOR SIDE MOUNTED ADJUSTABLE GLASS SPIGOTS (CLAMPS)," WHICH SHOULD BE READ IN CONJUNCTION WITH THESE DRAWINGS.

ANALYSIS WAS CARRIED OUT USING THE FOLLOWING APPROPRIATE STANDARDS:

GLASS DESIGN

DESIGN BASIS FOR GLASS: NBC 2015 - SECTION 4.3.6.1. (1).

STRUCTURAL SUFFICIENCY OF GLASS: NBC 2015 - SECTION 9.6.1.3. (1).

GLASS DESIGN: CAN C698 12.20-M89, "STRUCTURAL DESIGN OF GLASS FOR BUILDING," WHICH IS REFERENCED WITHIN NBC 2015 SECTION 1.3 (ACCEPTABLE EDITIONS) - TABLE 1.3.1.2.

STAINLESS STEEL DESIGN

STAINLESS STEEL MATERIAL PROPERTIES: ASCE 8-02, "DESIGN OF COLD FORMED STAINLESS STEEL STRUCTURAL MEMBERS," WHICH IS REFERENCED WITHIN NBC 2015 - SECTION 1.3 (ACCEPTABLE EDITIONS) - TABLE 1.3.1.2.

STEEL DESIGN: CSA S16-19, "DESIGN OF STEEL STRUCTURES," WHICH IS REFERENCED WITHIN NBC 2015 - SECTION 1.3 (ACCEPTABLE EDITIONS) - TABLE 1.3.1.2.

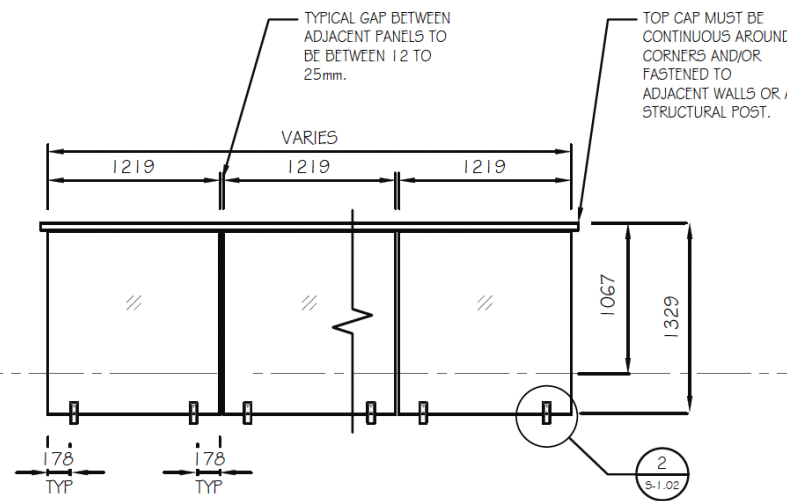
CONNECTIONS

STEEL CONNECTIONS: CSA S16-19, "DESIGN OF STEEL STRUCTURES," WHICH IS REFERENCED WITHIN NBC 2015 - SECTION 1.3 (ACCEPTABLE EDITIONS) - TABLE 1.3.1.2.

CONCRETE CONNECTIONS: CSA A23.3-14, "DESIGN OF CONCRETE STRUCTURES," WHICH IS REFERENCED WITHIN NBC 2015 - SECTION 1.3 (ACCEPTABLE EDITIONS) - TABLE 1.3.1.2.

WOOD CONNECTIONS: CSA O86-14, "ENGINEERING DESIGN IN WOOD," WHICH IS REFERENCED WITHIN NBC 2015 - SECTION 1.3 (ACCEPTABLE EDITIONS) - TABLE 1.3.1.2.

FINISH FLOOR LINE
▽



1
-
SCALE: 1:40 MT5

SIDE MOUNTED ADJUSTABLE GLASS SPIGOT - 6/6mm TEMPERED/LAMINATED (0.060" SGP)
 GLASS w/ STRUCTURAL TOP CAP - 1219mm WIDE PANEL FOR EXTERIOR APPLICATIONS

NOTE: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN MILLIMETERS.

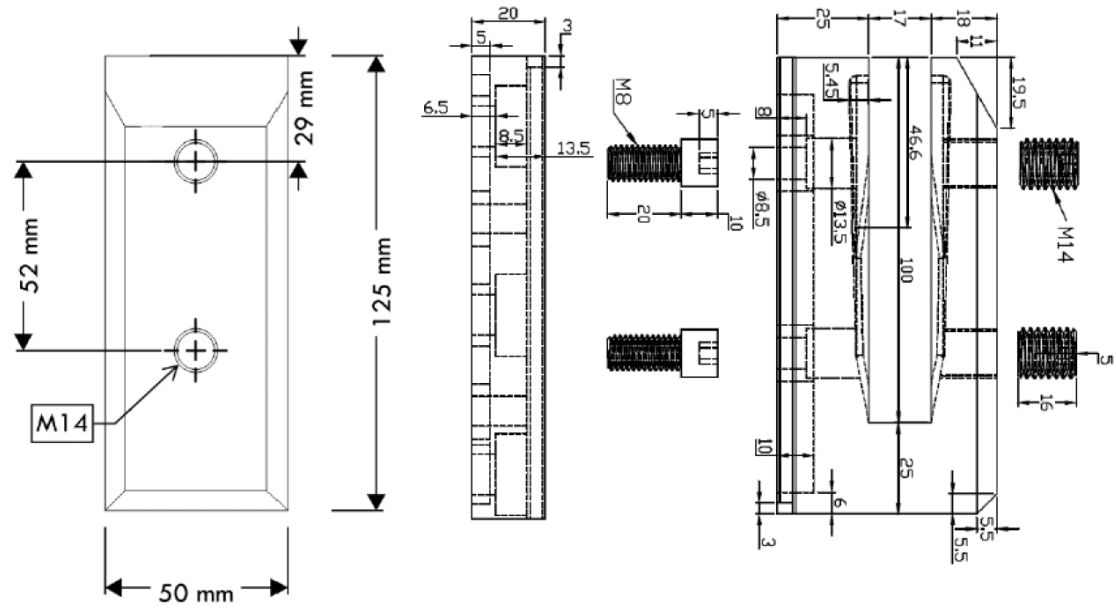
1	REVISION 1	10/16/23
No.	ISSUE / REVISION	MM/DD/YY

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BEZDAN METAL & GLASS REVIEW
 4050 GRAVELEY ST, BURNABY, BC V5C 4A5
 METAL & GLASS REVIEW

GUARD RAIL ELEVATIONS

DATE:	OCTOBER 2023	DRAWING No:	S-1.01
SCALE:	AS SHOWN		
DESIGNED:	DOH		
DRAWN:	M	PROJECT No:	CC22-093
REVIEWED:	DOH		



1
-
DETAIL 1
SCALE: 1:2 MTS

FASTENING NOTES:

REFER TO SECTION 3.4.1 FOR STEEL FASTENING REQUIREMENTS.

REFER TO SECTION 3.4.2 FOR CONCRETE FASTENING REQUIREMENTS.

REFER TO SECTION 3.4.3 FOR WOOD FASTENING REQUIREMENTS.

NOTE: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN MILLIMETERS.

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BEZDAN METAL & GLASS REVIEW

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METAL & GLASS REVIEW

SIDE MOUNTED ADJUSTABLE GLASS SPIGOT DETAILS

DATE:	OCTOBER 2023	DRAWING No:	S-1.02
SCALE:	AS SHOWN		
DESIGNED:	DOH		
DRAWN:	M	PROJECT No:	CC22-093
REVIEWED:	DOH		



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PANEL WIDTH	SIDE MOUNTED ADJUSTABLE GLASS SPIGOTS REQUIRED (EXTERIOR)	GLASS THICKNESS REQUIRED
1219mm	2	6/6mm



-TABLE 1 MIRRORS TABLE 5 FROM CORBALLY CONSULTING REPORT: "ENGINEERING REPORT FOR SIDE MOUNTED ADJUSTABLE GLASS SPIGOTS (CLAMPS)."
 -FURTHER INFORMATION RELATED TO SIDE MOUNTED ADJUSTABLE GLASS SPIGOT REQUIREMENTS, INCLUDING TABLE NOTES, CAN BE FOUND IN THAT REPORT.

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METAL & GLASS REVIEW

SIDE MOUNTED ADJUSTABLE GLASS SPIGOT REQUIREMENTS

DATE:	OCTOBER 2023	DRAWING No:	S-1.03
SCALE:	N/A		
DESIGNED:	DOH		
DRAWN:	MC	PROJECT No:	CC22-093
REVIEWED:	DOH		