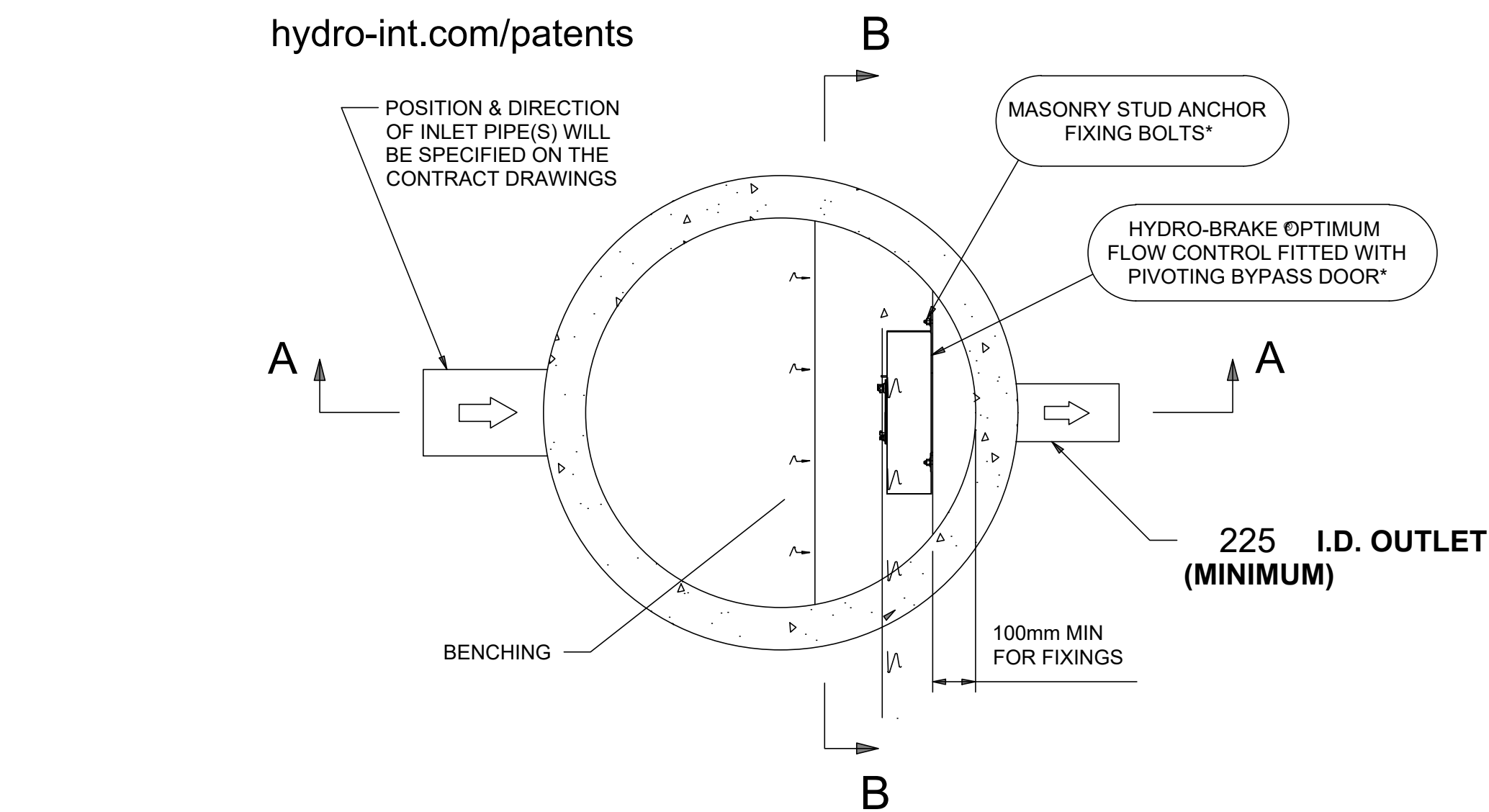


Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.082	17.870
Flush-Flo™	0.349	17.825
Kick-Flo®	0.758	15.082
Mean Flow		15.164

HYDROBRAKE DESIGNED TO THE Q_{bar} GREENFIELD RUNOFF RATE FOR THE SITE OF 17.87L/S
FOR FURTHER DETAILS SEE: MJF-JBA-XX-XX-CA-D-0002-GREENFIELD_RUNOFF_RATE_CALCULATIONS

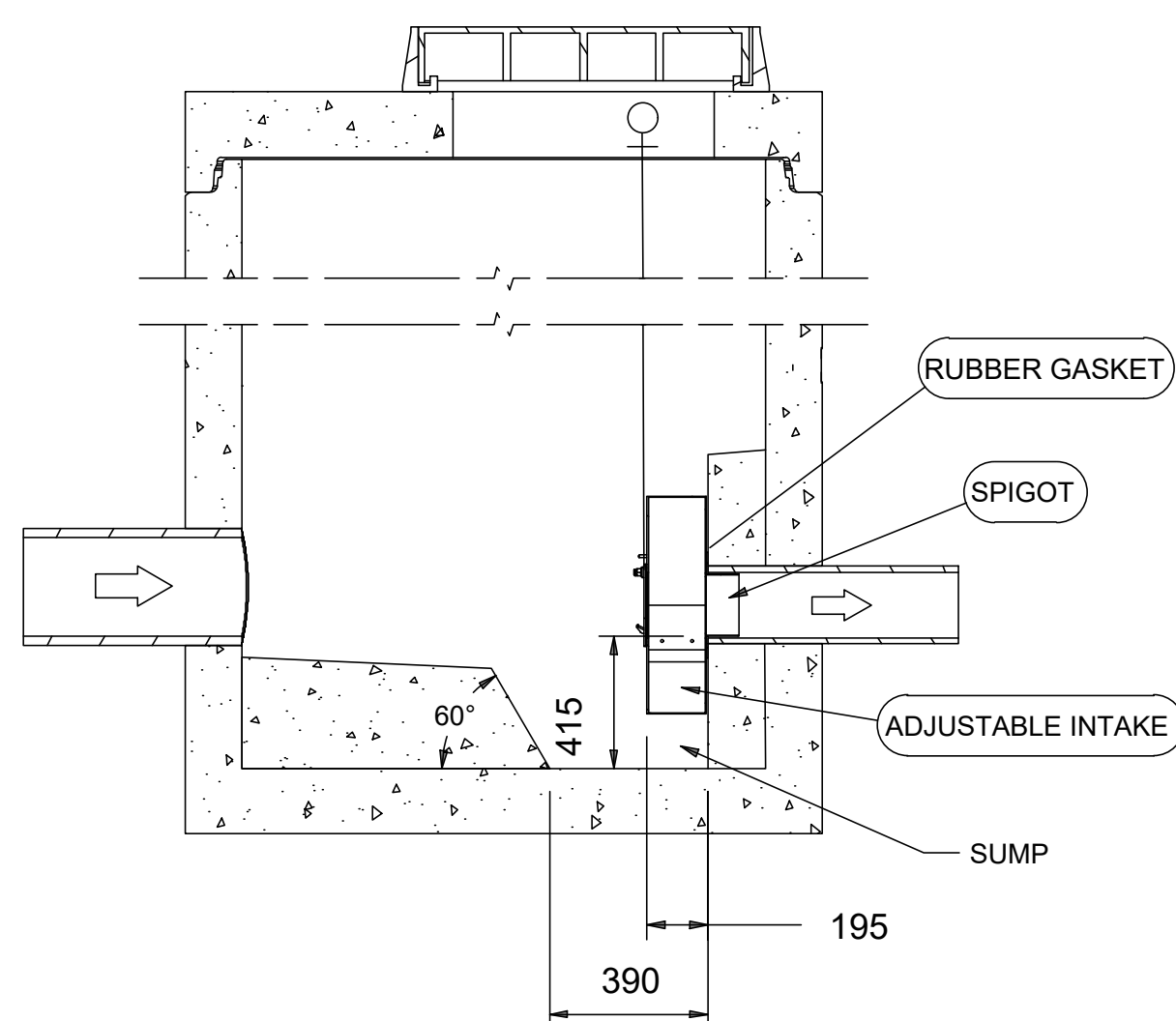
DESIGN ADVICE!

The head/flow characteristics of this SHE-0188-1787-1080-1787 Hydro-Brake Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.
The use of any other flow control will invalidate any design based on this data and constitute a flood risk.



Hydro-Brake Optimum Flow Control including:

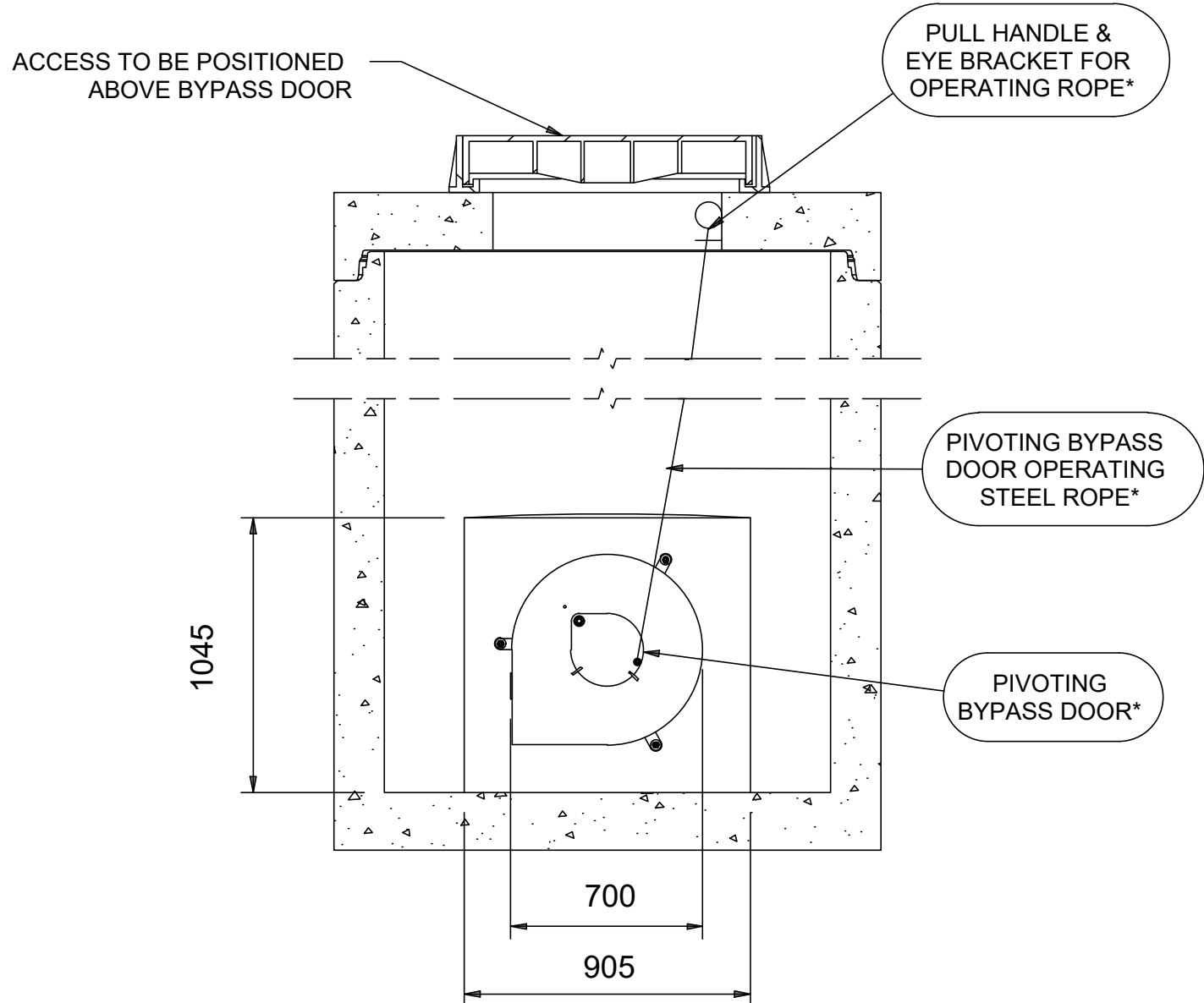
- 3 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Variable flow rate post installation via adjustable inlet
- Indicative Weight: 30 kg



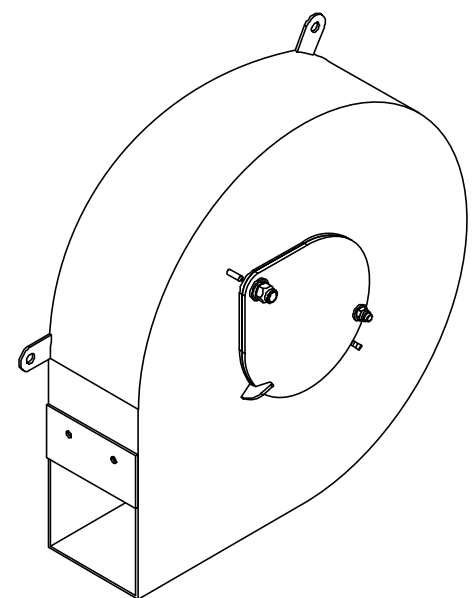
SECTION A-A

IMPORTANT:

○ LIMIT OF HYDRO INTERNATIONAL SUPPLY
THE DEVICE WILL BE HANDED TO SUIT SITE CONDITIONS
FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL
ALL CIVIL AND INSTALLATION WORK BY OTHERS
* WHERE SUPPLIED
HYDRO-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL



SECTION B-B



GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL COORDINATES ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.

P07	UPDATE FOLLOWING LAYOUT CHANGE	20/09/24	SC	SC	WD	JP
P06	REVIEW PRIOR TO PLANNING SUBMISSION	14/08/24	HR	SC	WD	JP
P05	AMENDMENT OF DESIGN HEAD	05/08/24	HR	SC	WD	JP
P04	FOR PLANNING	18/07/24	HR	SC	WD	JP
P03	FOR FINAL CLIENT COMMENT AND REVIEW	16/07/24	HR	SC	WD	JP
P02	AMENDMENTS FOLLOWING CLIENT COMMENTS	10/06/24	HR	SC	WD	JP
P01	FOR CLIENT REVIEW	28/05/24	HR	HR	SC	JP
Rev.	Description	Date	Author	Designer	Checker	Approver

Document Control

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Project Title	C&S ENERGY BESS
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Drawing Title	STANDARD HYDROBRAKE DETAILS
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AMERESCO

Parent Model	NOT FROM MODEL
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Security Classification	N/A	Scale	1:20
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Author	H RAMJAN	Designer	H RAMJAN	Checker	S CATTERICK	Approver	J PANESAR
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Suitability	FOR PLANNING	Status	A2	Revision	P07
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Information Container	MJF-JBA-XX-XX-DR-D-0004-Hydrobrake Details.dwg	A1 Sheet Size
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