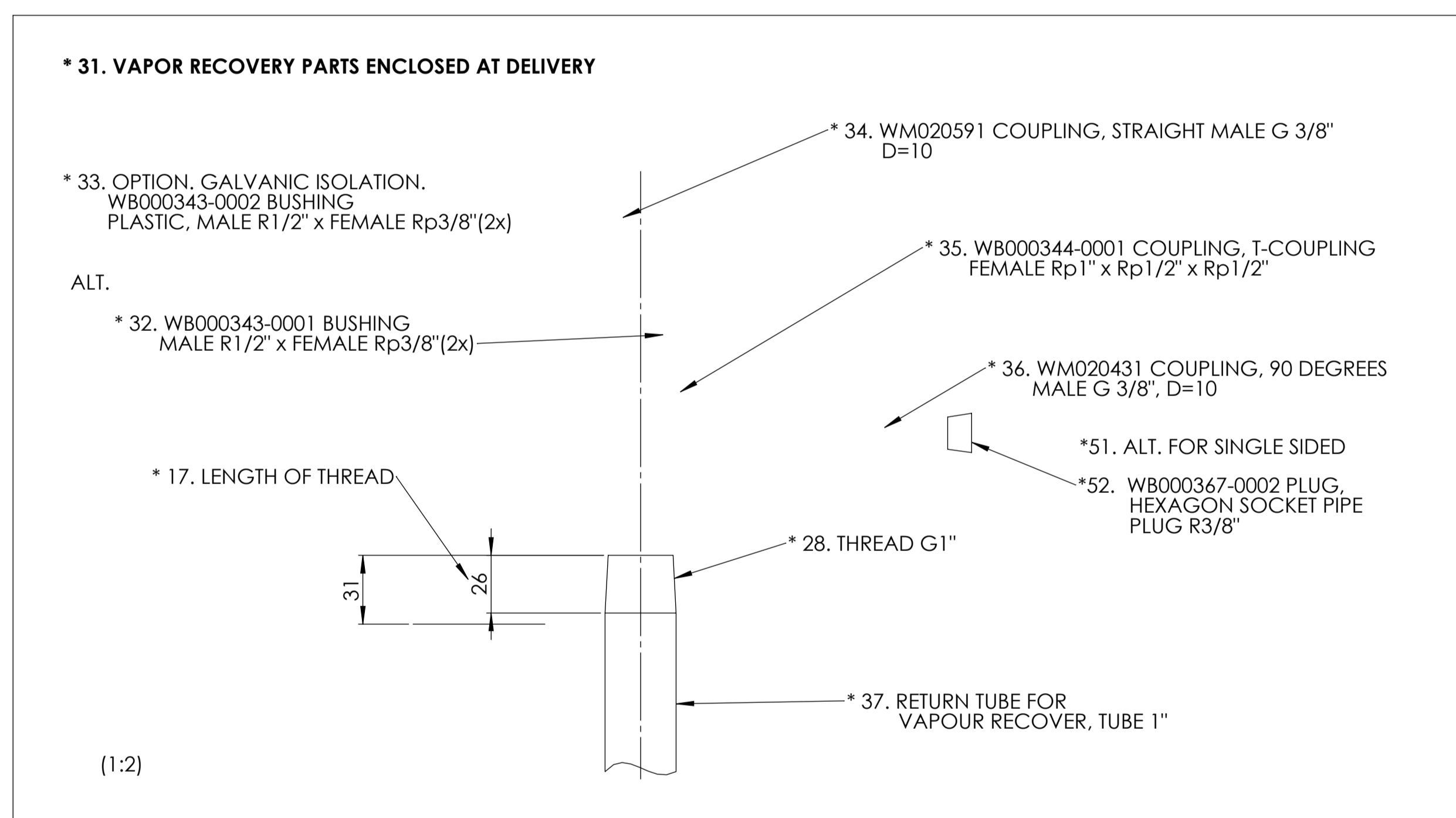
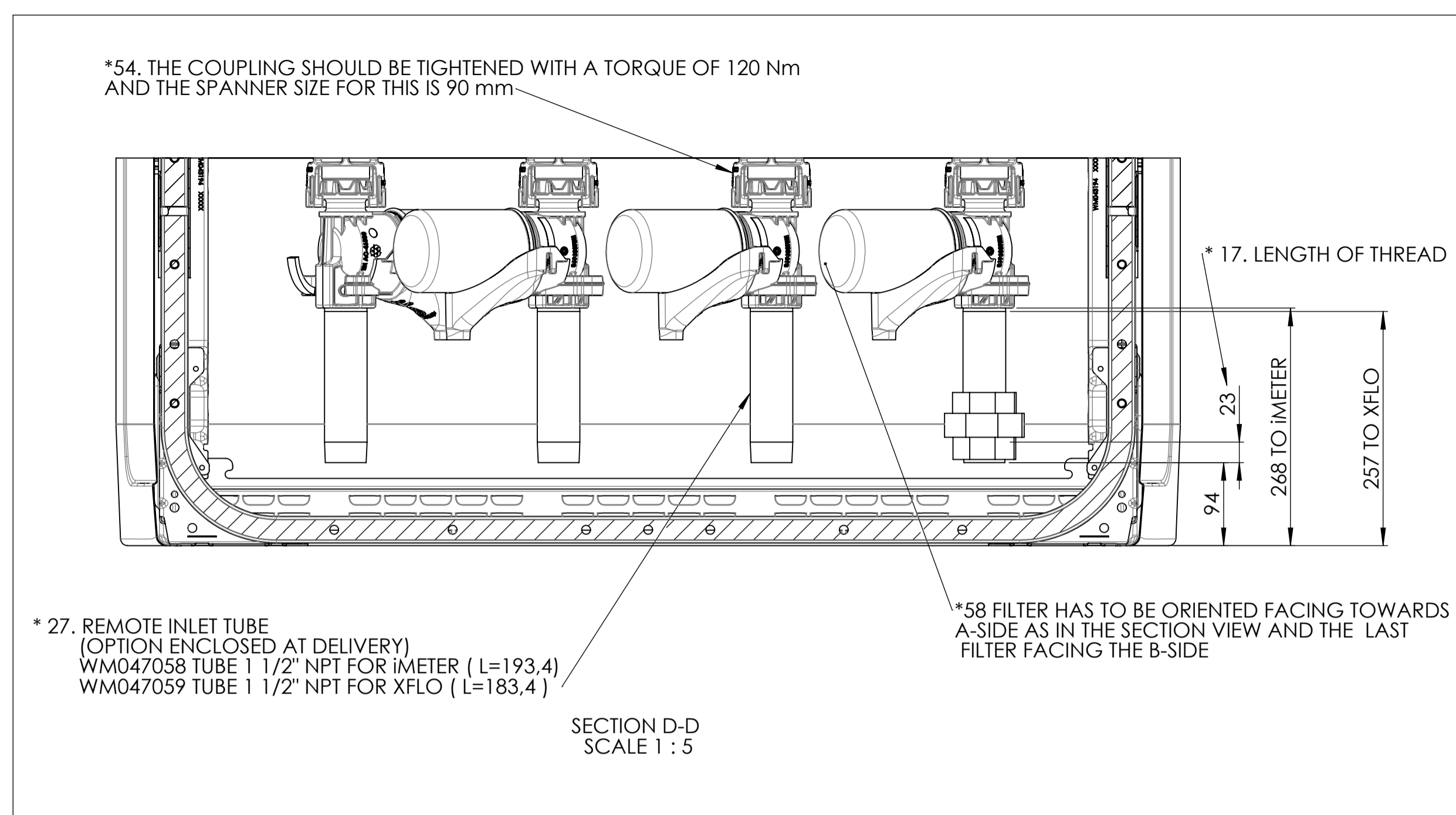


*16. THE HOLLOW SPACE UNDER THE PUMP IS TO BE FILLED WITH FINE COARSE SAND 0-8 OR LECA-PELLETS 2-4.
 *21. THIS INSTRUCTION IS VALID FOR THE PUMP MODEL HELIX 5000 SUCTION



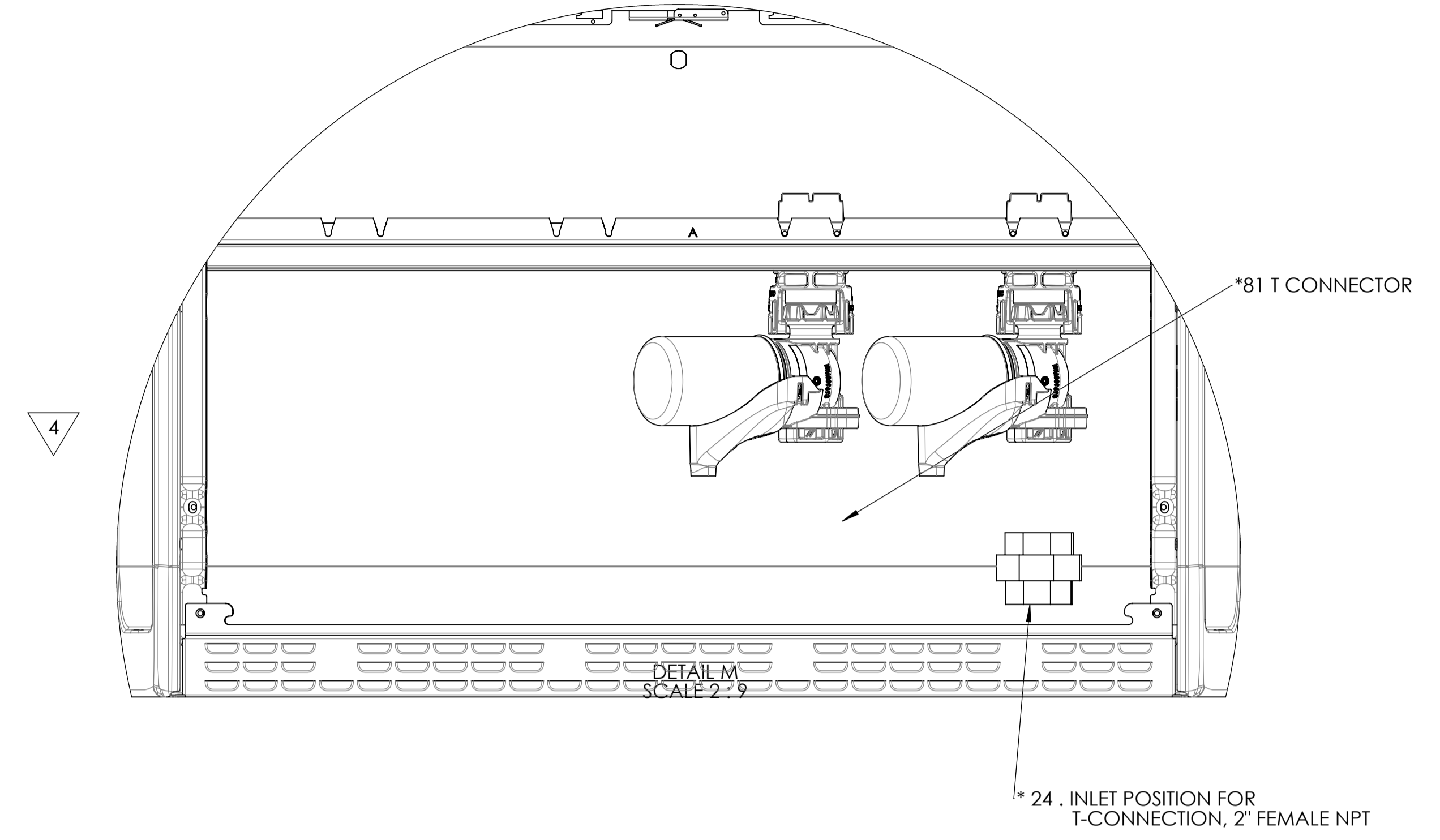
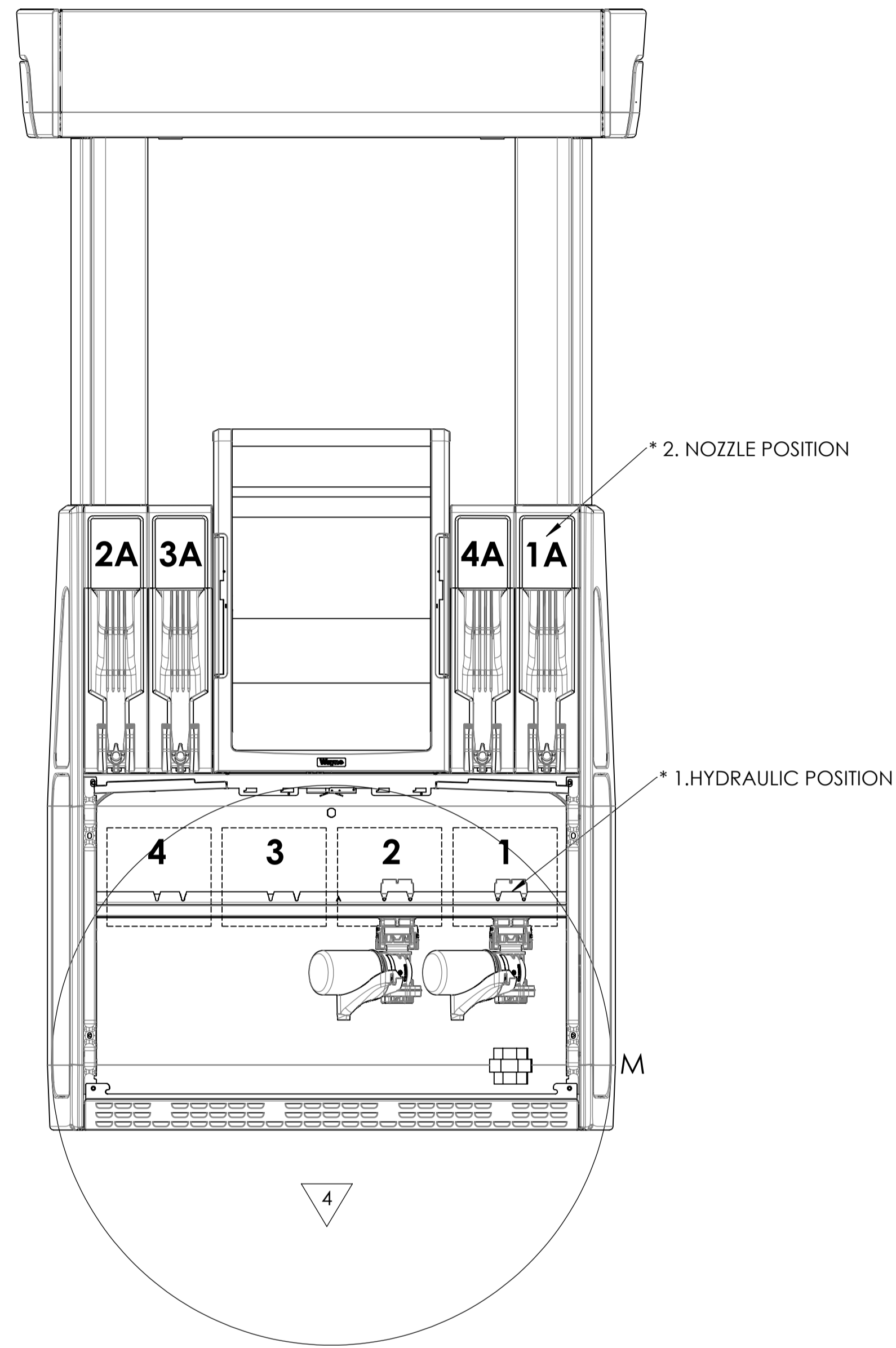
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1,2,3	MALMO, DUNDEE, BRAZIL	N/A
4,5,6	BRAZIL	FROM 2024 AUGUST

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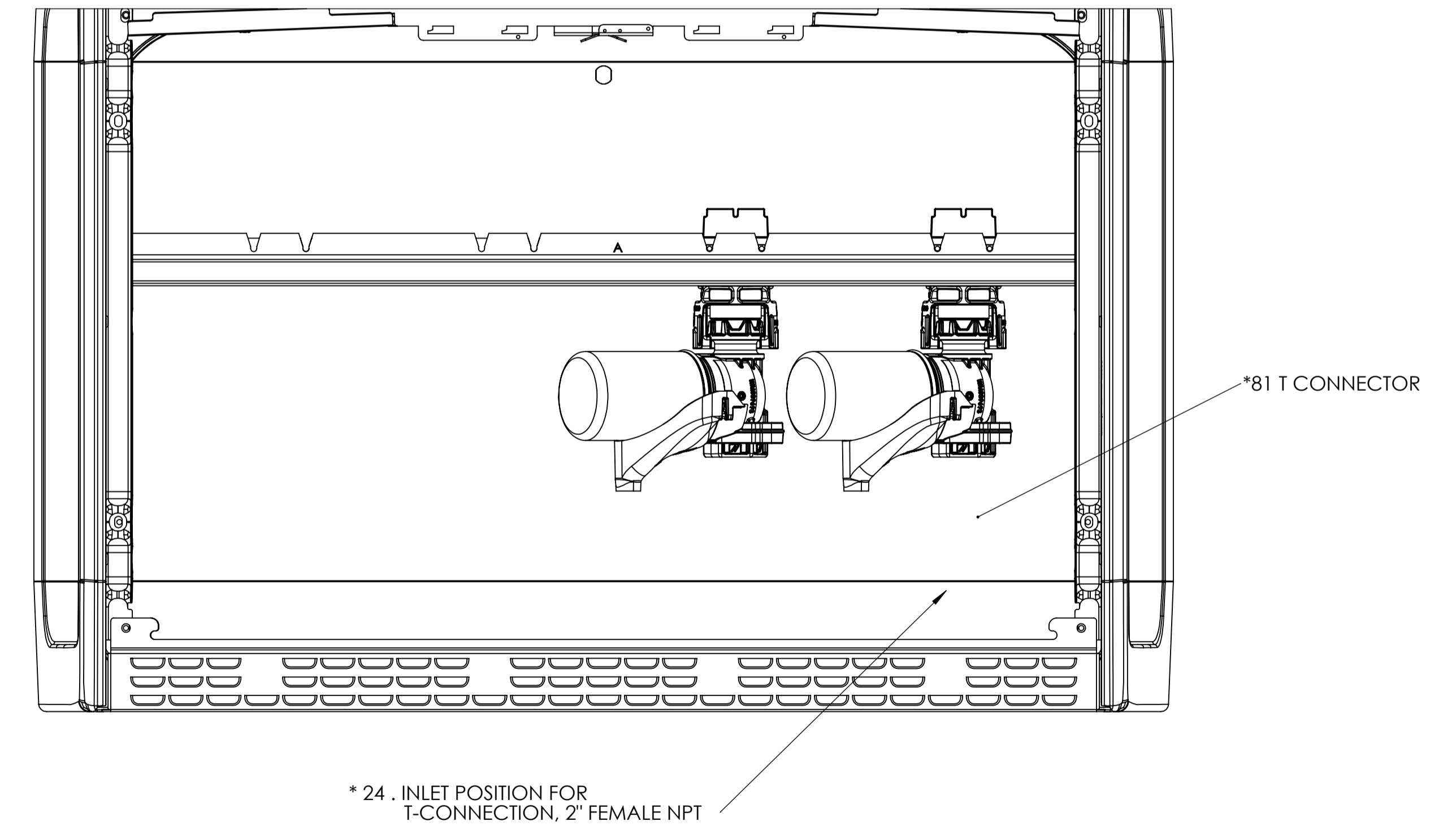
APPROVED BY Ivens Leal	04	2024-06-17	wu027290-0001
DRAWN BY Leonardo Braga	REV	DATE	ECN NO.

UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN mm

MATERIAL	DEBURR AND BREAK SHARP EDGES	SCALE 1:9	DO NOT SCALE DRAWING		Related Drawing
THICKNESS					DRAWING NO. WM047459
SURFACE TREATMENT					SHEET 1 OF 6
SURFACE FINISH					
GENERAL TOLERANCE					
REPLACED BY					
TITLE INSTALLATION INSTRUCTION HELIX 5000, IEC, REMOTE					



***85 T CONNECTOR NO SHEAR**



***86 T CONNECTOR SHEAR**

***83 NOTE:**

- 1 - T CONNECTOR PARTS ENCLOSED AT DELIVERY
- 2 - FOR MODELS 11-21 & 11-22 ONLY

NOTE : TOLERANCES FOR CONNECTION PIPES +/-10mm

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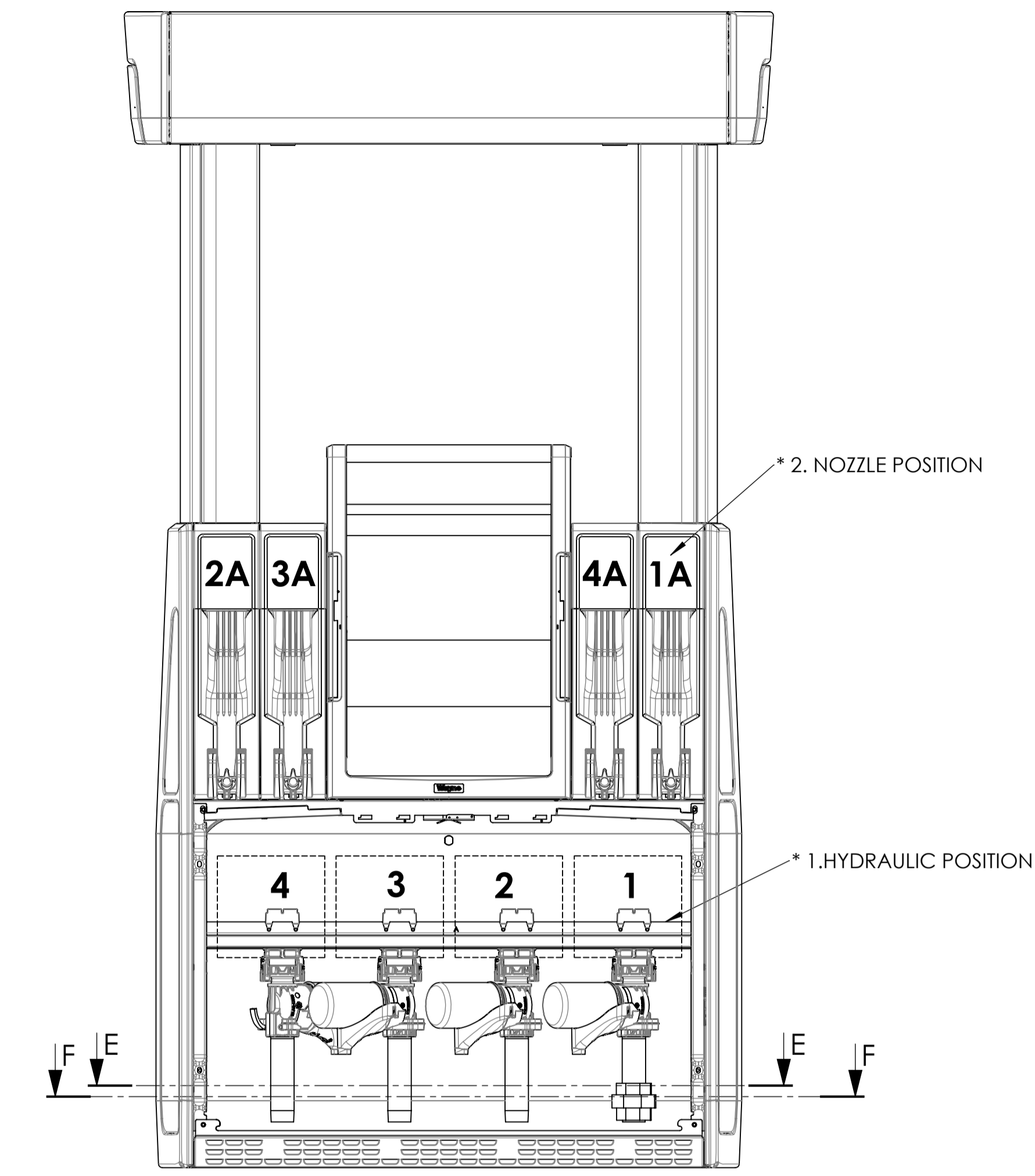
APPROVED BY Ivens Leal	04	2024-06-17	wu027290-0001
DRAWN BY Leonardo Braga	REV	DATE	ECN NO.

UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN mm

MATERIAL	DEBURR AND BREAK SHARP EDGES	SCALE 1:9	DO NOT SCALE DRAWING		Related Drawing
THICKNESS	SURFACE TREATMENT	TITLE INSTALLATION INSTRUCTION HELIX 5000, IEC, REMOTE			DRAWING NO. WM047459
SURFACE FINISH	GENERAL TOLERANCE	REPLACED BY		SHEET 2 OF 6	A1

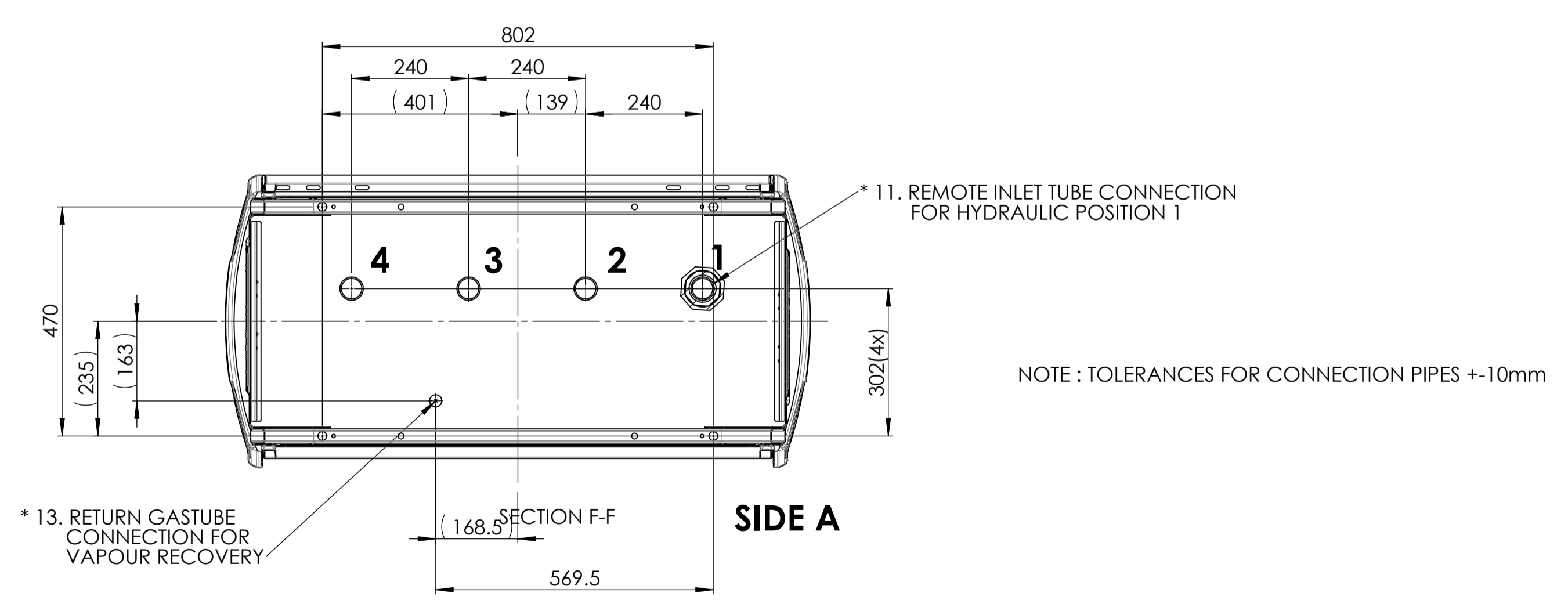
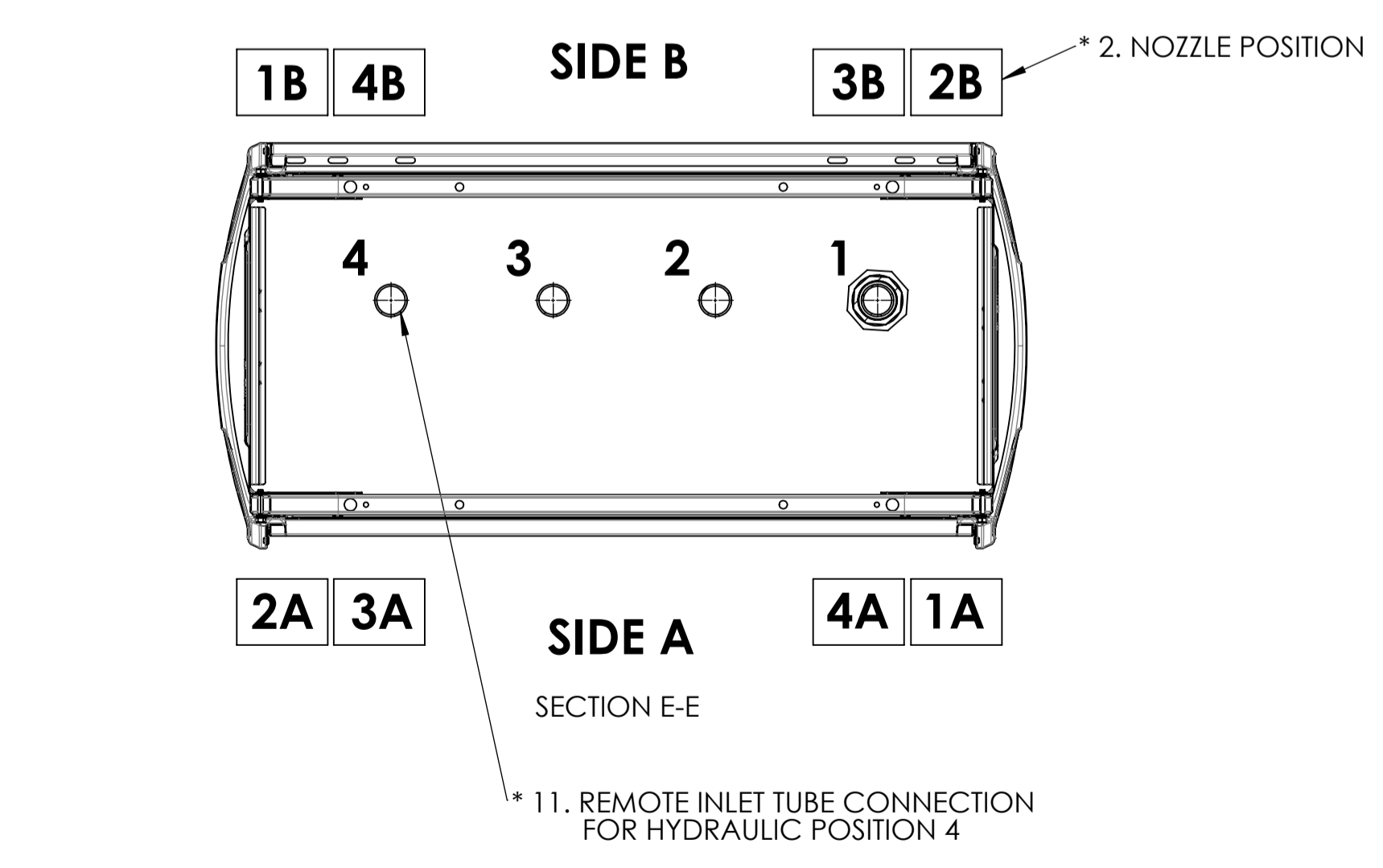
DESCRIPTION OF CHANGE
NEW MEASUREMENT/NOTE ADDED FOR TOP BOX, T CONNECTOR SHEET 2 ADDED, MODELS UPDATED, SHEET 4,5 AND 6 FOR CONFIG REMOTE LATAM

1 2 3 4 5 6 7 8



* 21. THIS INSTRUCTION IS VALID FOR HELIX 5000 SUCTION MODELS ACCORDING TO THE LIST (HYDRAULIC CONFIGURATIONS WM042531)

Model	Flow Rates L/min	Equip. Sides	Nozzle Position	Hydraulic
H(W/LU) 11-11R	40/40	Both	1A + 1B	1
H(W/LU) 11-110R	40	A	1A	1
H(W/LU) 11-21H	40/120	Both	1A + 1B	1 + 2
H(W/LU) 11-211H	120/40	Both	1A + 1B	1 + 2
H(W/LU) 11-22	120/40	Both	1A + 1B, 2A + 2B	1 + 2
H(W/LU) 22-22R	40/40, 40/40	Both	1A + 1B, 2A + 2B	1 + 2
H(W/LU) 22-220R	40/40	A	1A + 2A	1 + 2
H(W/LU) 22-32R 120/40	120/40 (90 SIM.) 120/40	Both	1A + 1B, 2A + 2B	1 + 2 + 3
H(W/LU) 33-33R	40/40/40, 40/40/40	Both	1A + 1B, 2A + 2B, 4A + 4B	1 + 2 + 3
H(W/LU) 33-330R	40/40/40	A	1A + 2A + 4A	1 + 2 + 3
H(W/LU) 33-33RU	40/40/40, 40/40/40	Both	1A + 1B, 2A + 2B, 4A + 4B	1 + 2 + 3
H(W/LU) 33-43	40/120	Both	1A + 1B, 2A + 2B, 4A + 4B	1 + 2 + 3 + 4
H(W/LU) 34-34R	40/40/40/40, 40/40/40/40	Both	1A+1B, 2A+2B, 3A+3B, 4A+4B	1 + 2 + 3
H(W/LU) 44-42R	40/40/40/40, 40/40/40/40	Both	1A + 1B, 2A + 2B	1 + 2 + 3 + 4
H(W/LU) 44-44R	40/40/40/40, 40/40/40/40	Both	1A+1B, 2A+2B, 3A+3B, 4A+4B	1 + 2 + 3 + 4
H(W/LU) 44-440R	40/40/40/40	A	1A + 2A + 3A + 4A	1 + 2 + 3 + 4
H(W/LU) 44-44RU	40/40/40/40, 40/40/40/40	Both	1A+1B, 2A+2B, 3A+3B, 4A+4B	1 + 2 + 3 + 4
H(W/LU) 45-42K	40/40/40/40, 40/40/40/40	Both	1A + 1B, 2A + 2B	1 + 2 + 3 + 4



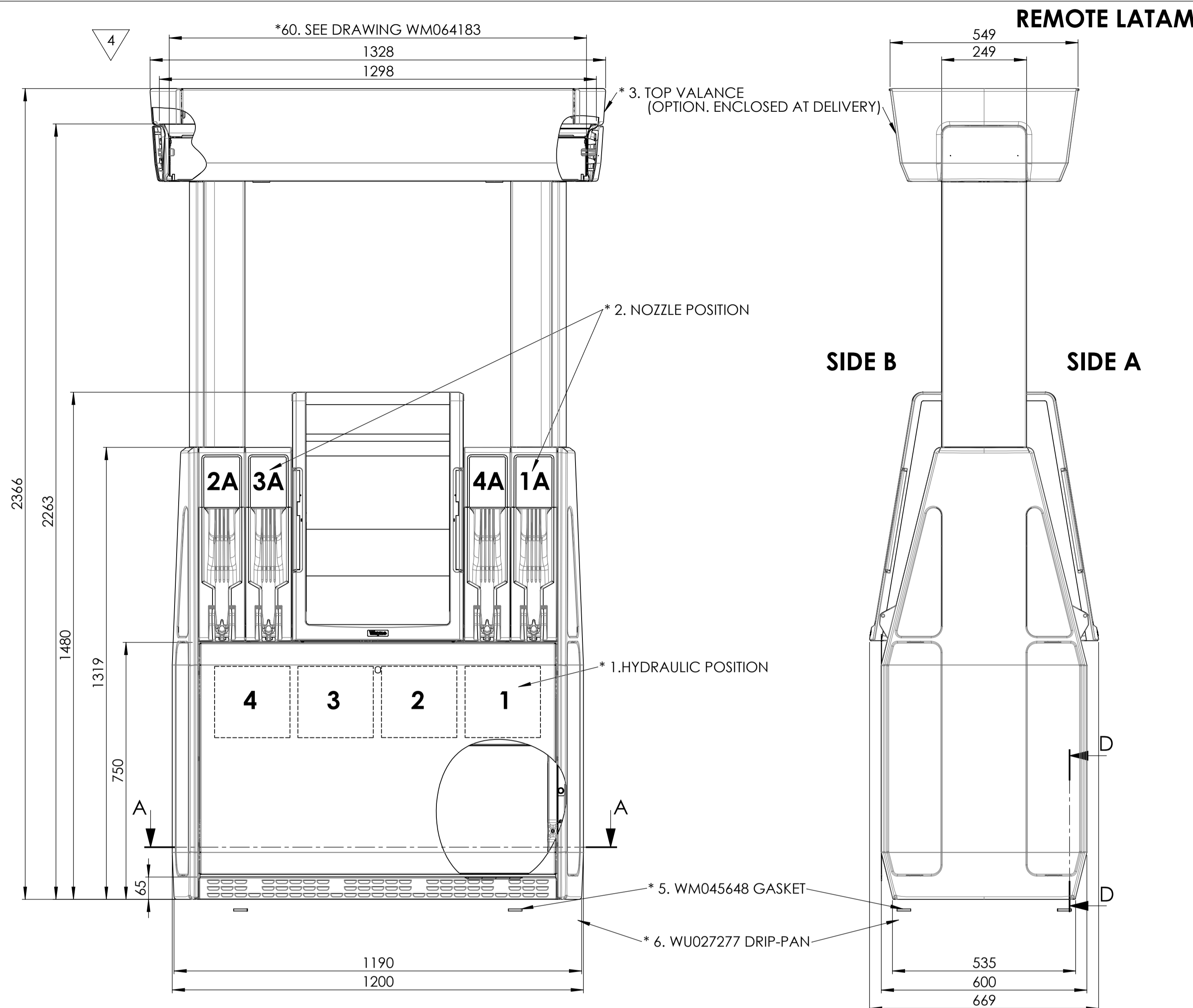
NOTE : TOLERANCES FOR CONNECTION PIPES +-10mm

UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN mm

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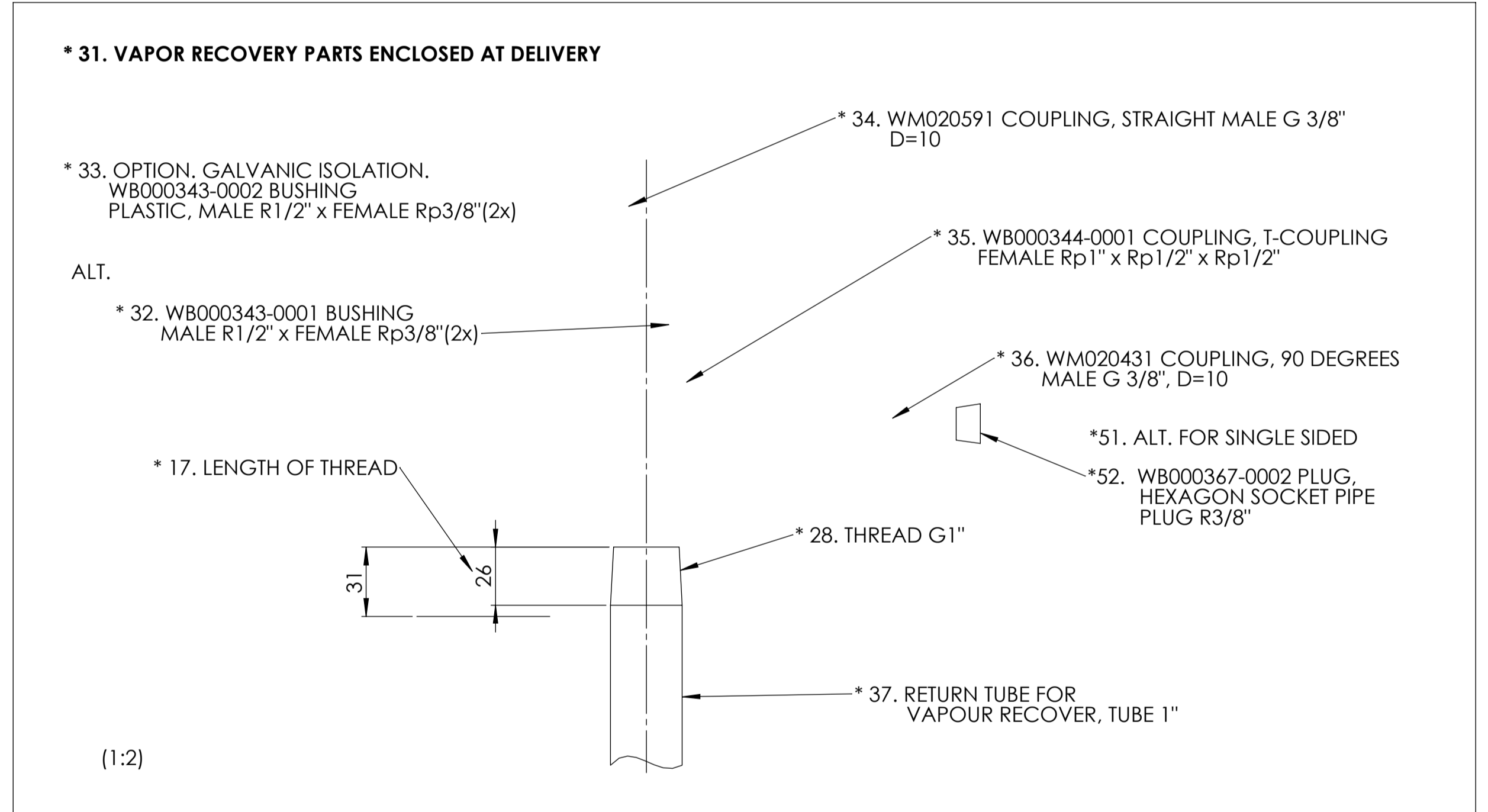
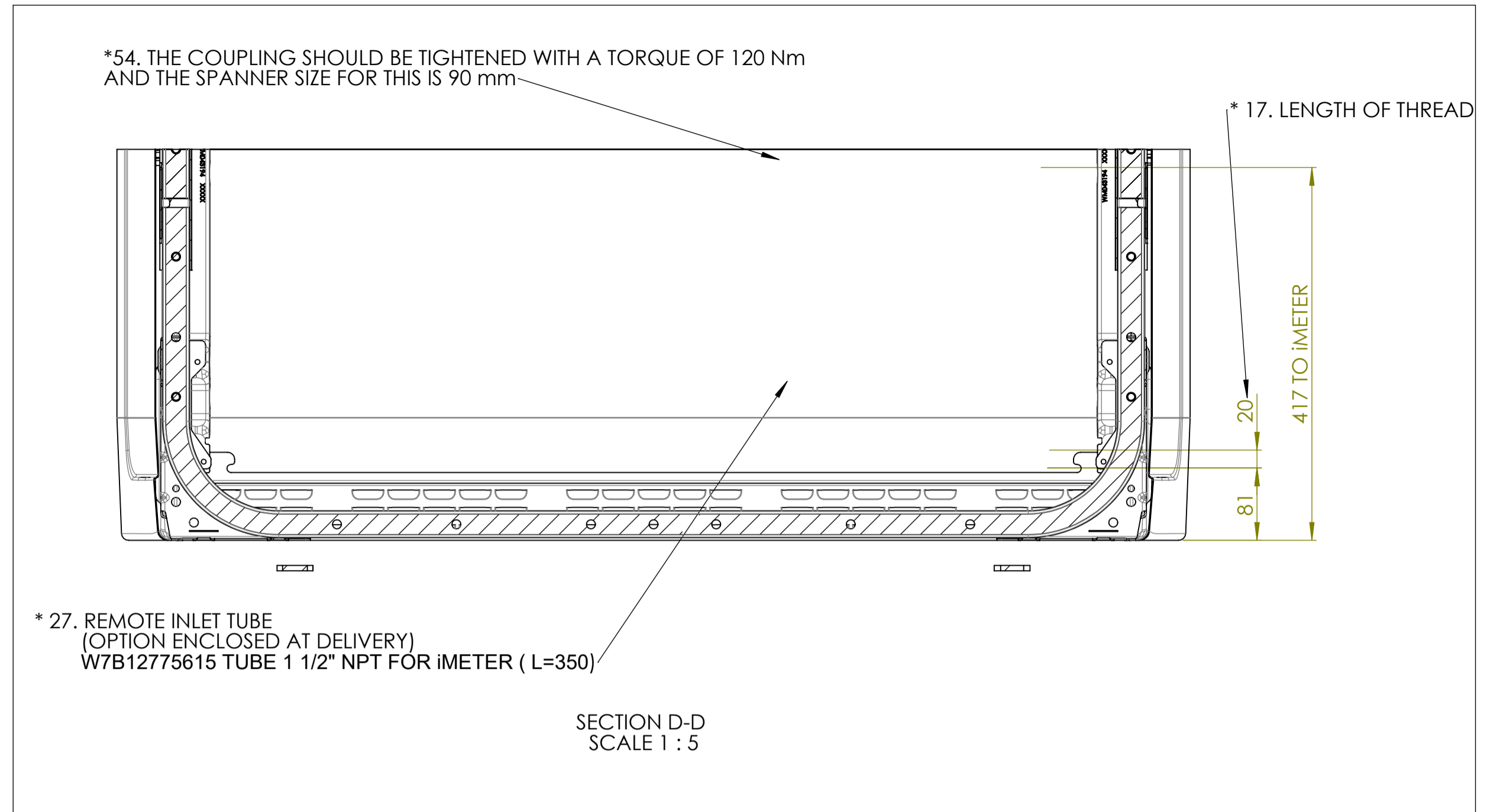
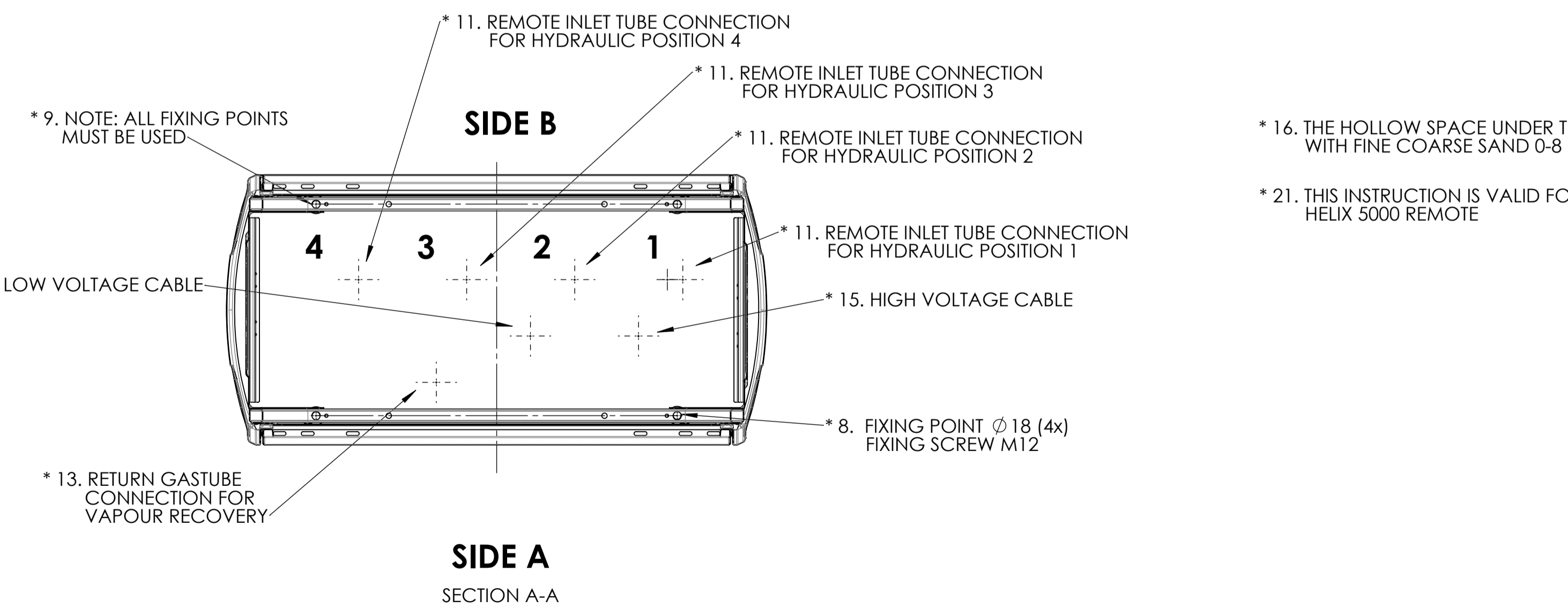
APPROVED BY Ivens Leal	04	2024-06-17	wu027290-0001
DRAWN BY Leonardo Braga	REV	DATE	ECN NO.

MATERIAL	DEBURR AND BREAK SHARP EDGES	SCALE 1:9	DO NOT SCALE DRAWING		Related Drawing DRAWING NO. WM047459 SHEET 3 OF 6
THICKNESS	SURFACE TREATMENT	TITLE INSTALLATION INSTRUCTION HELIX 5000, IEC, REMOTE			
SURFACE FINISH	GENERAL TOLERANCE	REPLACED BY		A1	



REMOTE LATAM

SIDE B **SIDE A**



* 16. THE HOLLOW SPACE UNDER THE PUMP IS TO BE FILLED WITH FINE COARSE SAND 0-8 OR LECA-PELLETS 2-4.
* 21. THIS INSTRUCTION IS VALID FOR THE PUMP MODEL HELIX 5000 REMOTE

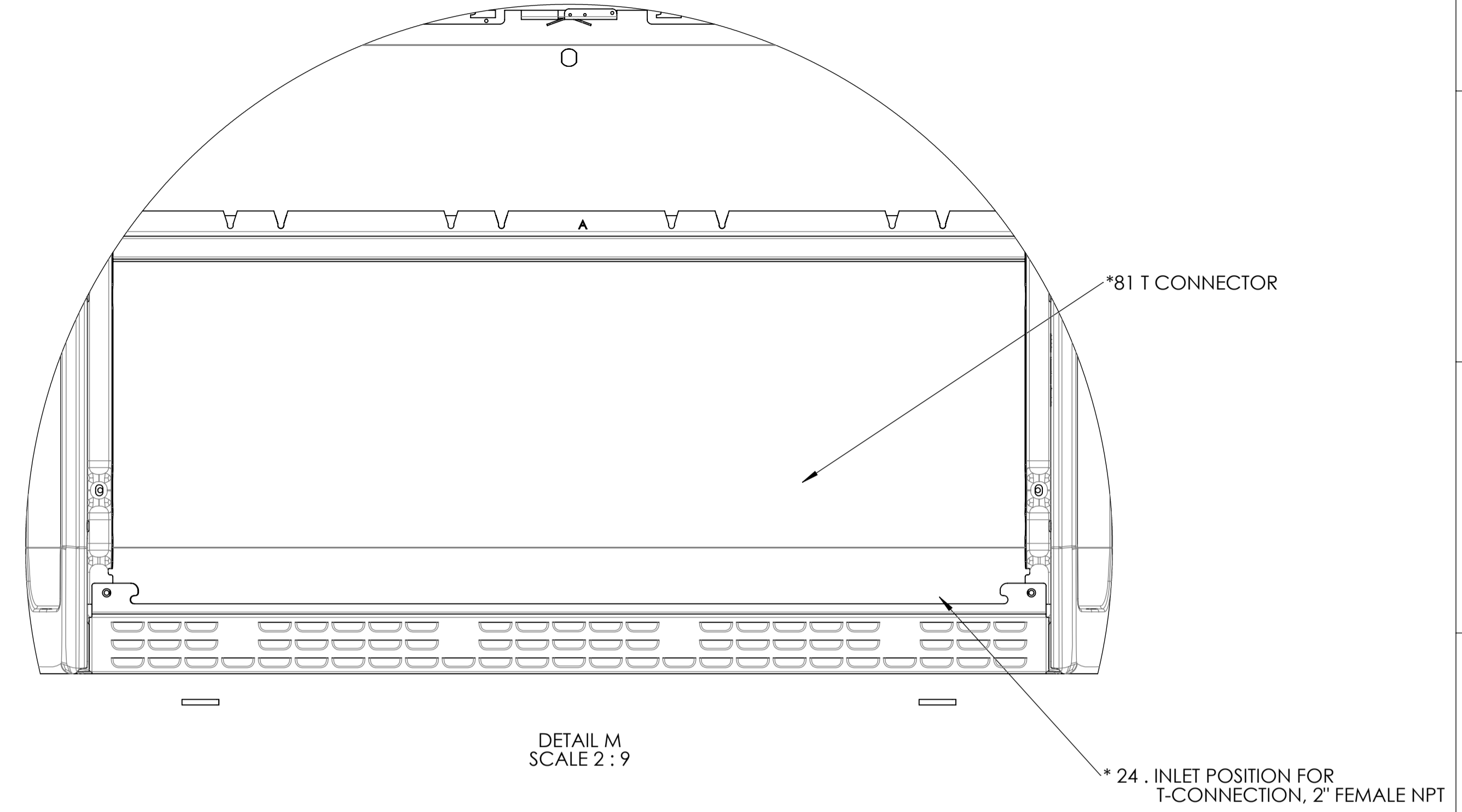
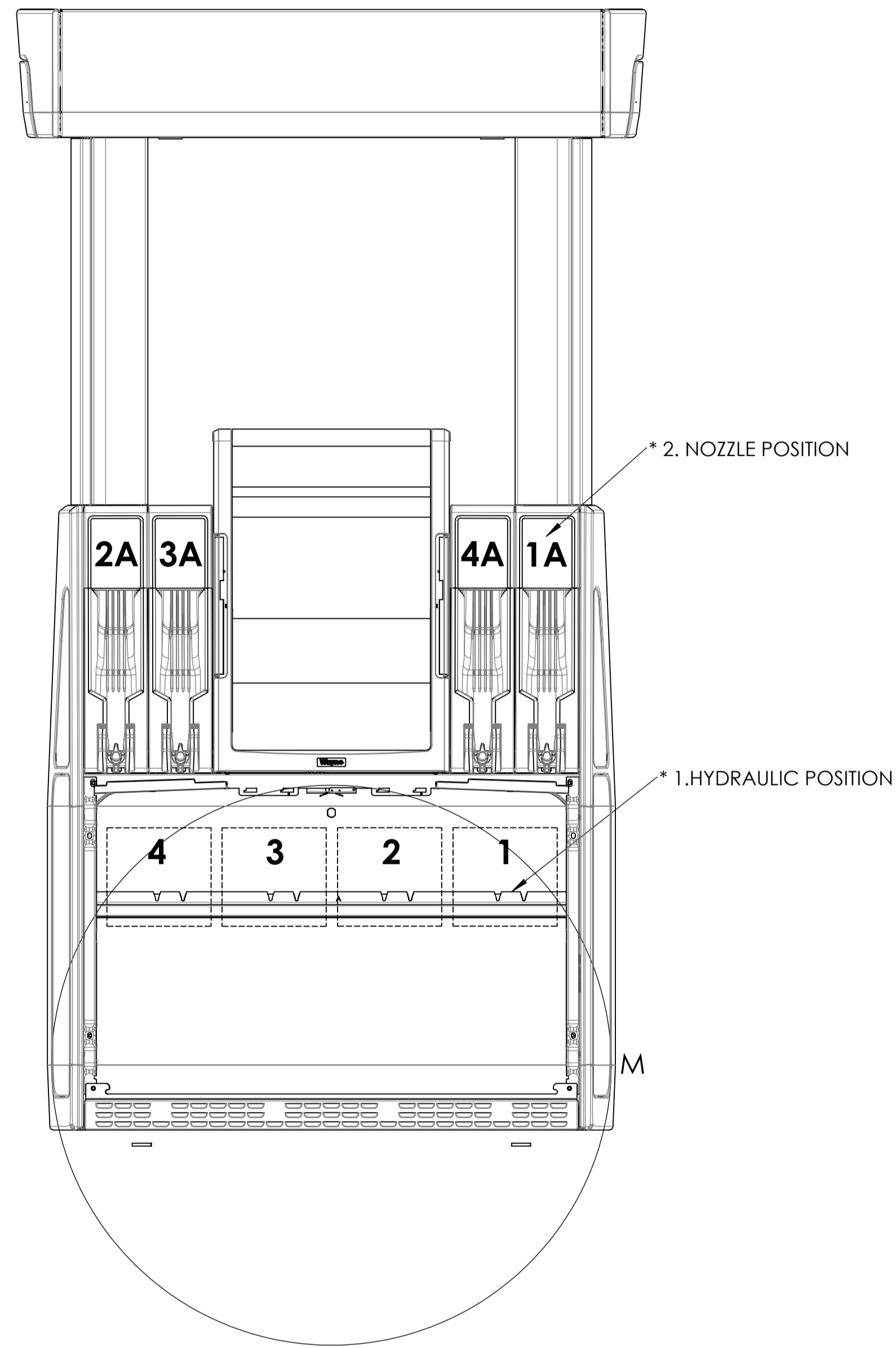
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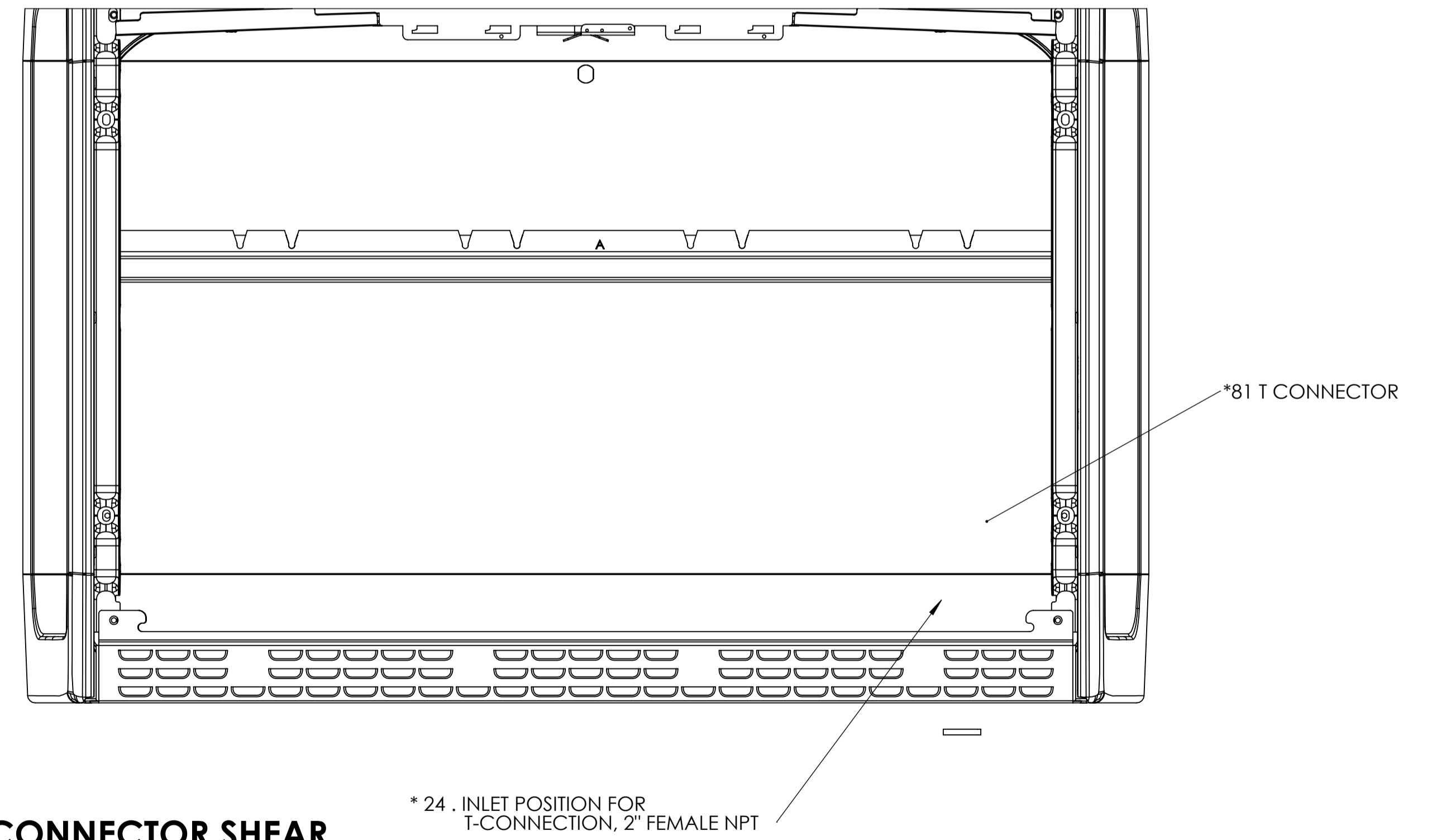
APPROVED BY Ivens Leal	04	2024-06-17	wu027290-0001
DRAWN BY Leonardo Braga	REV	DATE	ECN NO.

MATERIAL	DEBURR AND BREAK SHARP EDGES	SCALE 1:9	DO NOT SCALE DRAWING		Related Drawing
THICKNESS	SURFACE TREATMENT	TITLE INSTALLATION INSTRUCTION	HELIX 5000, IEC, REMOTE		DRAWING NO. WM047459
SURFACE FINISH	GENERAL TOLERANCE	REPLACED BY			SHEET 4 OF 6

120 LPM WITH T-CONNECTION INLET LATAM



***85 T CONNECTOR NO SHEAR**



***86 T CONNECTOR SHEAR**

***83 NOTE:**

- 1 - T CONNECTOR PARTS ENCLOSED AT DELIVERY
- 2 - FOR MODELS 11-21 & 11-22 ONLY

NOTE : TOLERANCES FOR CONNECTION PIPES +/-10mm

UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN mm

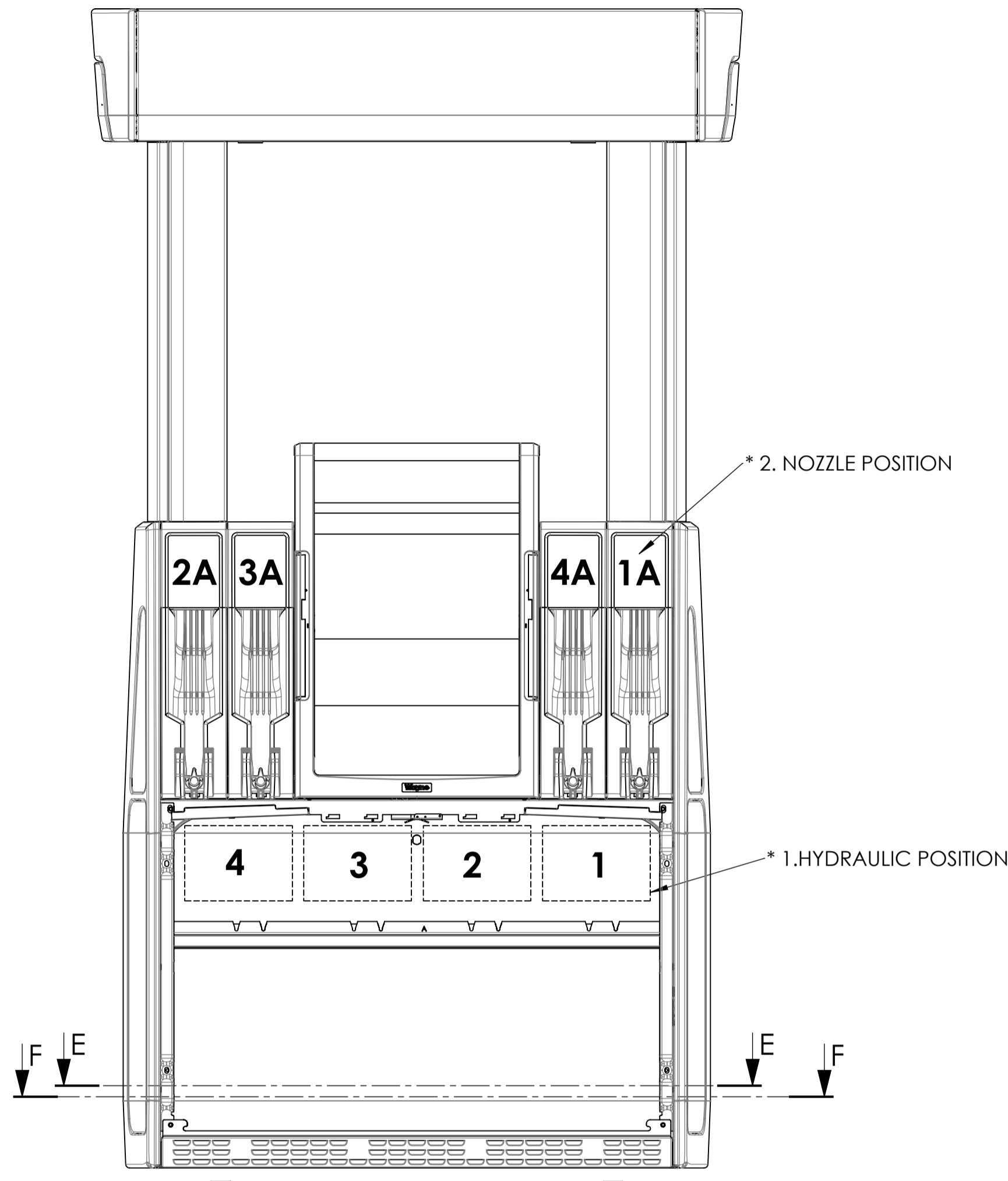
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APPROVED BY Ivens Leal	04	2024-06-17	wu027290-0001
DRAWN BY Leonardo Braga	REV	DATE	ECN NO.

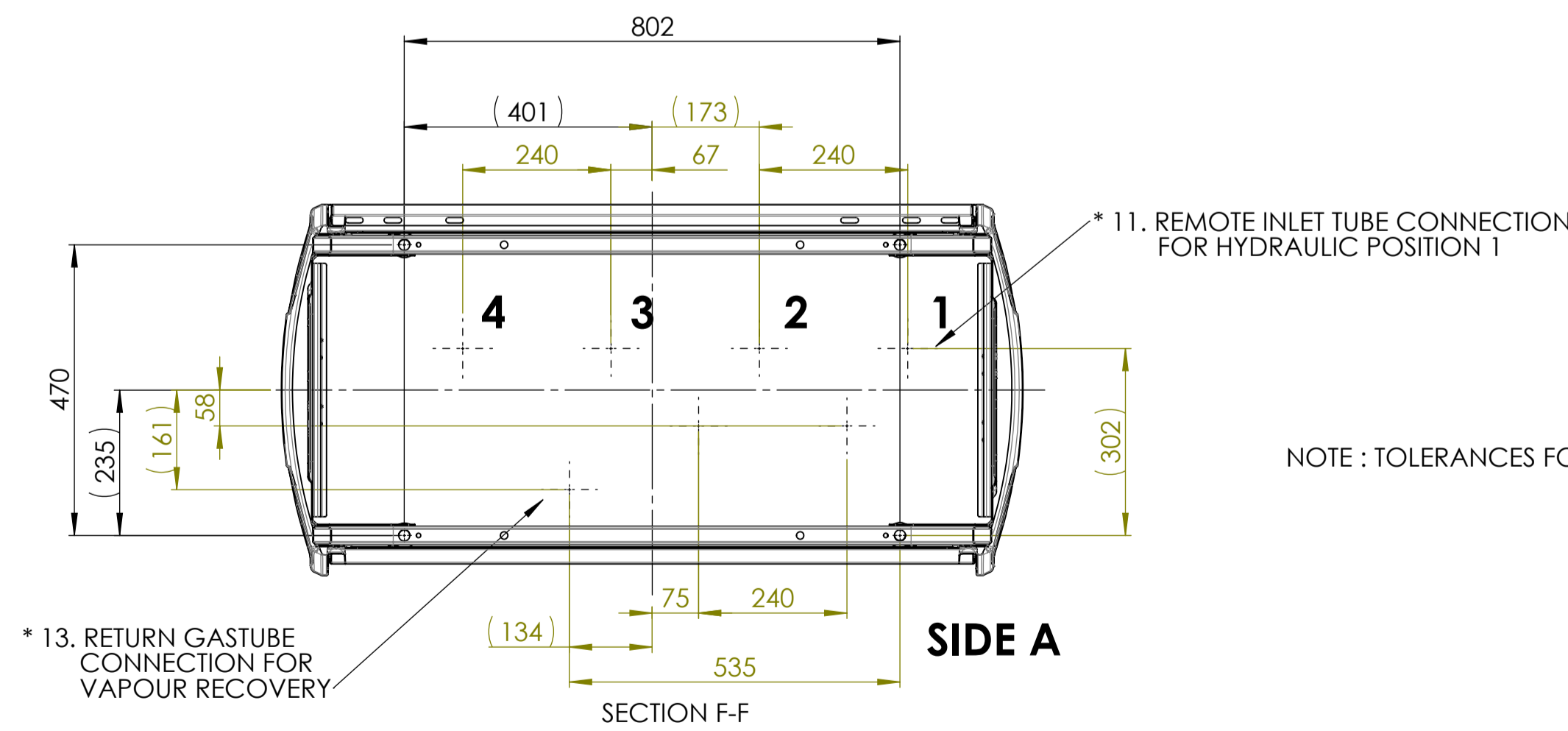
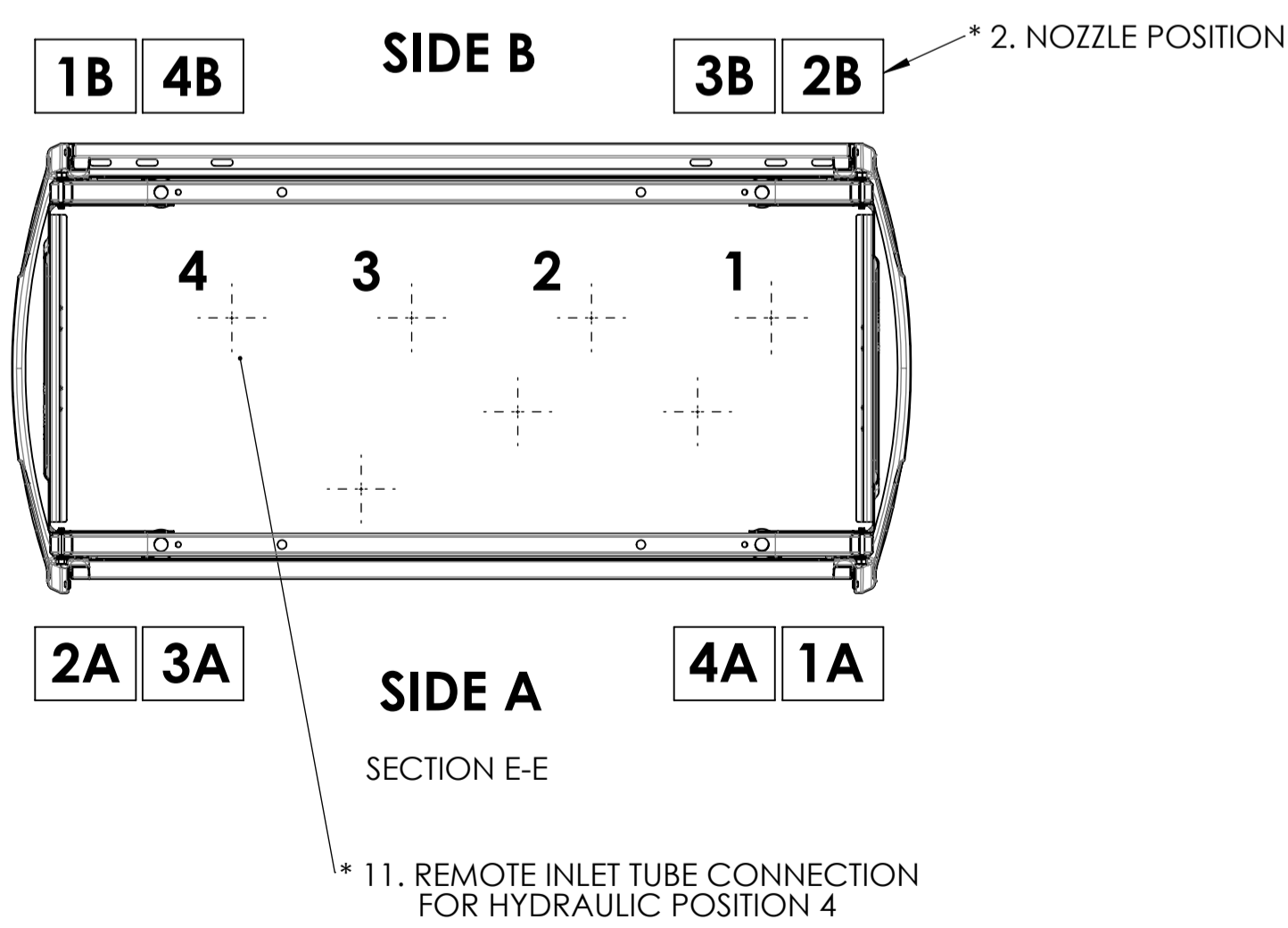
MATERIAL	DEBURR AND BREAK SHARP EDGES	SCALE 1:9	DO NOT SCALE DRAWING		Related Drawing
THICKNESS	SURFACE TREATMENT	TITLE INSTALLATION INSTRUCTION			DRAWING NO. WM047459
SURFACE FINISH	GENERAL TOLERANCE	HELIX 5000, IEC, REMOTE			SHEET 5 OF 6
REPLACED BY					A1

REMOTE LATAM

* 21. THIS INSTRUCTION IS VALID FOR HELIX 5000 SUCTION MODELS
ACCORDING TO THE LIST (HYDRAULIC CONFIGURATIONS WM042531)



Model	Flow Rates L/min	Equip. Sides	Nozzle Position	Hydraulic
H(W/LU) 11-11R	40/40	Both	1A + 1B	1
H(W/LU) 11-110R	40	A	1A	1
H(W/LU) 11-21H	40/120	Both	1A + 1B	1 + 2
H(W/LU) 11-211H	120/40	Both	1A + 1B	1 + 2
H(W/LU) 11-22	120/40	Both	1A + 1B, 2A + 2B	1 + 2
H(W/LU) 22-22R	40/40, 40/40	Both	1A + 1B, 2A + 2B	1 + 2
H(W/LU) 22-220R	40/40	A	1A + 2A	1 + 2
H(W/LU) 22-32R 120/40	120/40 (90 SIM.) 120/40	Both	1A + 1B, 2A + 2B	1 + 2 + 3
H(W/LU) 33-33R	40/40/40, 40/40/40	Both	1A + 1B, 2A + 2B, 4A + 4B	1 + 2 + 3
H(W/LU) 33-330R	40/40/40	A	1A + 2A + 4A	1 + 2 + 3
H(W/LU) 33-33RU	40/40/40, 40/40/40	Both	1A + 1B, 2A + 2B, 4A + 4B	1 + 2 + 3
H(W/LU) 33-43	40/120	Both	1A + 1B, 2A + 2B, 4A + 4B	1 + 2 + 3 + 4
H(W/LU) 34-34R	40/40/40/40, 40/40/40/40	Both	1A+1B, 2A+2B, 3A+3B, 4A+4B	1 + 2 + 3
H(W/LU) 44-42R	40/40/40/40, 40/40/40/40	Both	1A + 1B, 2A + 2B	1 + 2 + 3 + 4
H(W/LU) 44-44R	40/40/40/40, 40/40/40/40	Both	1A+1B, 2A+2B, 3A+3B, 4A+4B	1 + 2 + 3 + 4
H(W/LU) 44-440R	40/40/40/40	A	1A + 2A + 3A + 4A	1 + 2 + 3 + 4
H(W/LU) 44-44RU	40/40/40/40, 40/40/40/40	Both	1A+1B, 2A+2B, 3A+3B, 4A+4B	1 + 2 + 3 + 4
H(W/LU) 45-42K	40/40/40/40, 40/40/40/40	Both	1A + 1B, 2A + 2B	1 + 2 + 3 + 4



NOTE : TOLERANCES FOR CONNECTION PIPES +-10mm

UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN mm

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DRAWN BY Leonardo Braga	REV	DATE	ECN NO.

MATERIAL	DEBURR AND BREAK SHARP EDGES	SCALE 1:9	DO NOT SCALE DRAWING		Related Drawing
THICKNESS	SURFACE TREATMENT	TITLE INSTALLATION INSTRUCTION			DRAWING NO. WM047459
SURFACE FINISH	GENERAL TOLERANCE	HELIX 5000, IEC, REMOTE		SHEET 6 OF 6	A1
REPLACED BY					SW FORM REF: WB000245 Revision 01