



9th GENERATION STAINLESS STEEL EVAPORATIVE CONDENSERS

RIGGING & ASSEMBLY INSTRUCTION

EC9 MODEL AND ADDITIONAL EQUIPMENT





"MORE COST EFFECTIVE WITH WORLD CLASS QUALITY"

This installation manual has been prepared as a guide for assembling and installing the 9th Generation Evaporative Condenser, designed for high efficiency, durability, and cost-effectiveness with premium stainless steel materials.

The manual provides detailed step-by-step instructions, from the initial assembly of individual components to the installation of additional equipment. For models with varying footprints, users can refer to the table provided in this manual for specific assembly guidelines to ensure smooth and accurate installation.

We sincerely hope that this manual will serve as a valuable resource for users and facilitate efficient installation processes.

Footprint	Model
8' X 9' (2.4 X 2.7 m)	EC9-0510-0809C-S EC9-0620-0809C-S EC9-0710-0809C-S EC9-0750-0809C-S EC9-0860-0809C-L EC9-0910-0809C-L
8' X 12' (2.4 X 3.6 m)	EC9-0930-0812C-L EC9-1000-0812C-S EC9-1040-0812C-M EC9-1150-0812C-L EC9-1190-0812C-M EC9-1250-0812C-M EC9-1310-0812C-L EC9-1360-0812C-L
8' X 18' (2.4 X 5.5 m)	EC9-1300-0818C-S EC9-1480-0818C-L EC9-1570-0818C-S EC9-1630-0818C-M EC9-1760-0818C-S EC9-1850-0818C-M EC9-1940-0818C-M EC9-2070-0818C-L EC9-2120-0818C-L
10' X 12' (3.0 X 3.6 m)	EC9-1400-1012C-S EC9-1550-1012C-M EC9-1645-1012C-L EC9-1790-1012C-M EC9-1900-1012C-L EC9-1960-1012C-M EC9-2050-1012C-L

Footprint	Model
10' X 18' (3.0 X 5.5 m)	EC9-2250-1018C-S EC9-2450-1018C-M EC9-2550-1018C-S EC9-2790-1018C-M EC9-2960-1018C-L EC9-3000-1018C-M EC9-3200-1018C-L
12' X 12' (3.6 X 3.6 m)	EC9-1650-1212C-S EC9-1800-1212C-M EC9-1950-1212C-L EC9-2030-1212C-M EC9-2220-1212C-M EC9-2400-1212C-L
12' X 18' (3.6 X 5.5 m)	EC9-2600-1218C-S EC9-2800-1218C-M EC9-2950-1218C-S EC9-3210-1218C-M EC9-3500-1218C-M EC9-3800-1218C-L



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8' X 12' (2.4 X 3.6 m)	EC9-0930-0812C-L EC9-1000-0812C-S EC9-1040-0812C-M EC9-1150-0812C-L EC9-1190-0812C-M EC9-1250-0812C-M EC9-1310-0812C-L EC9-1360-0812C-L	17
8' X 18' (2.4 X 5.5 m)	EC9-1300-08182-5 EC9-1480-0818C-L EC9-1570-0818C-S EC9-1630-0818C-M EC9-1760-0818C-S EC9-1850-0818C-M EC9-1940-0818C-M EC9-2070-0818C-L EC9-2120-0818C-L	34
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12' X 18' (3.6 X 5.5 m)	EC9-2600-1218C-S EC9-2800-1218C-M EC9-2950-1218C-S EC9-3210-1218C-M EC9-3500-1218C-M EC9-3800-1218C-L	112



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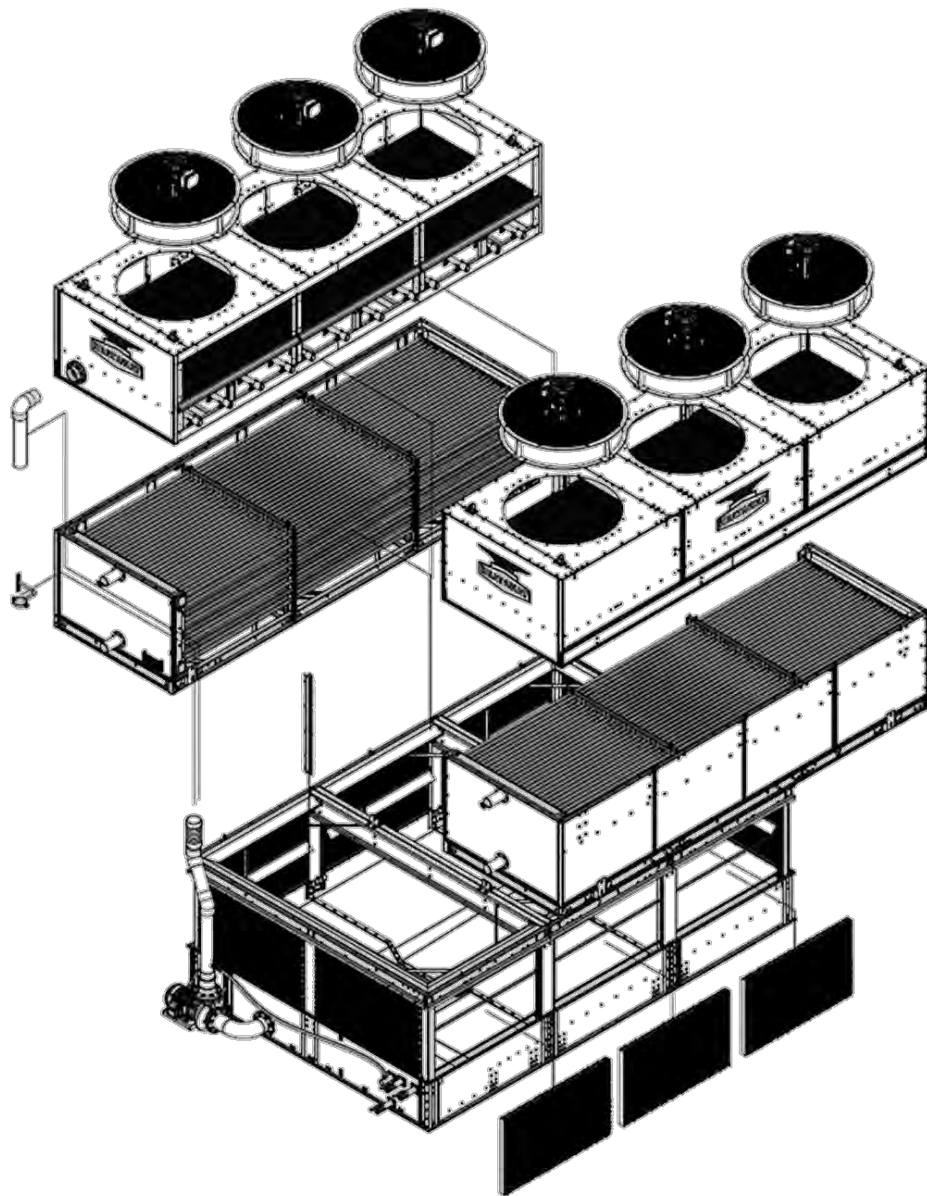
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Standby Water pump	Additional Standby Water pump	137
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Cage	Standard cage Addition cage	153



Installation outline

The assembly process of the Evaporative Condenser is outlined in a clear and systematic manner, starting with the basin section, followed by the coil section, and concluding with the fan section. Each step is detailed and accompanied by corresponding illustrations to ensure accuracy and ease of assembly.



Step3
FAN Section



Step2
Coil Section



Step1
Basin Section



BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

Footprint

8' X 9'

Model

EC9-0510-0809C-S

EC9-0620-0809C-S

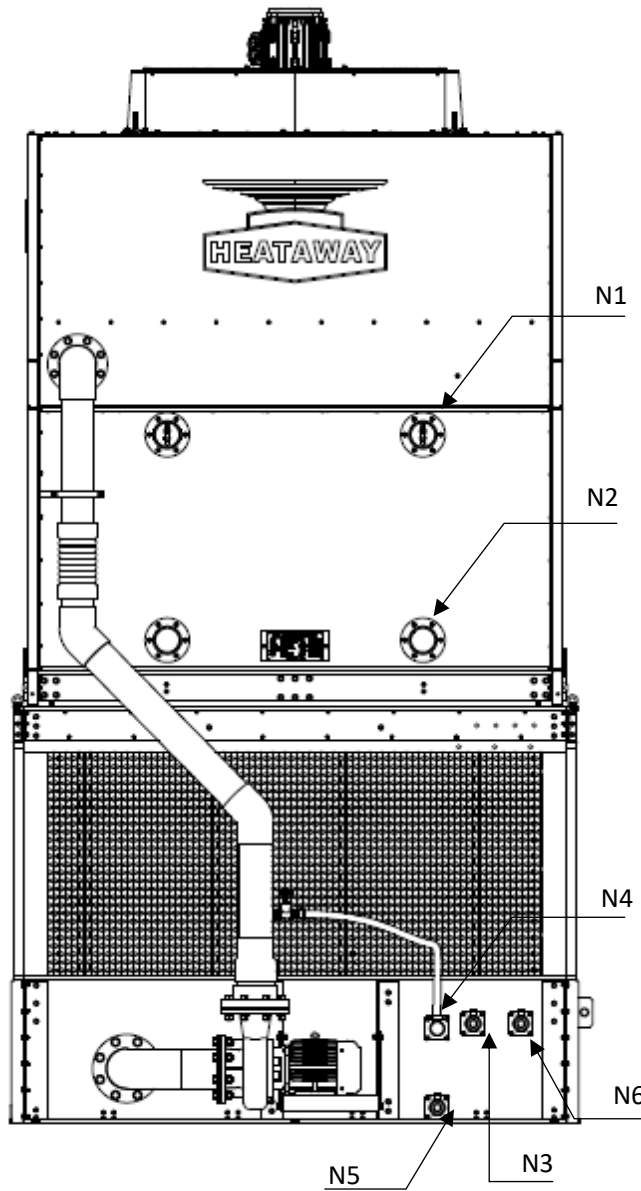
EC9-0710-0809C-S

EC9-0750-0809C-S

EC9-0860-0809C-L

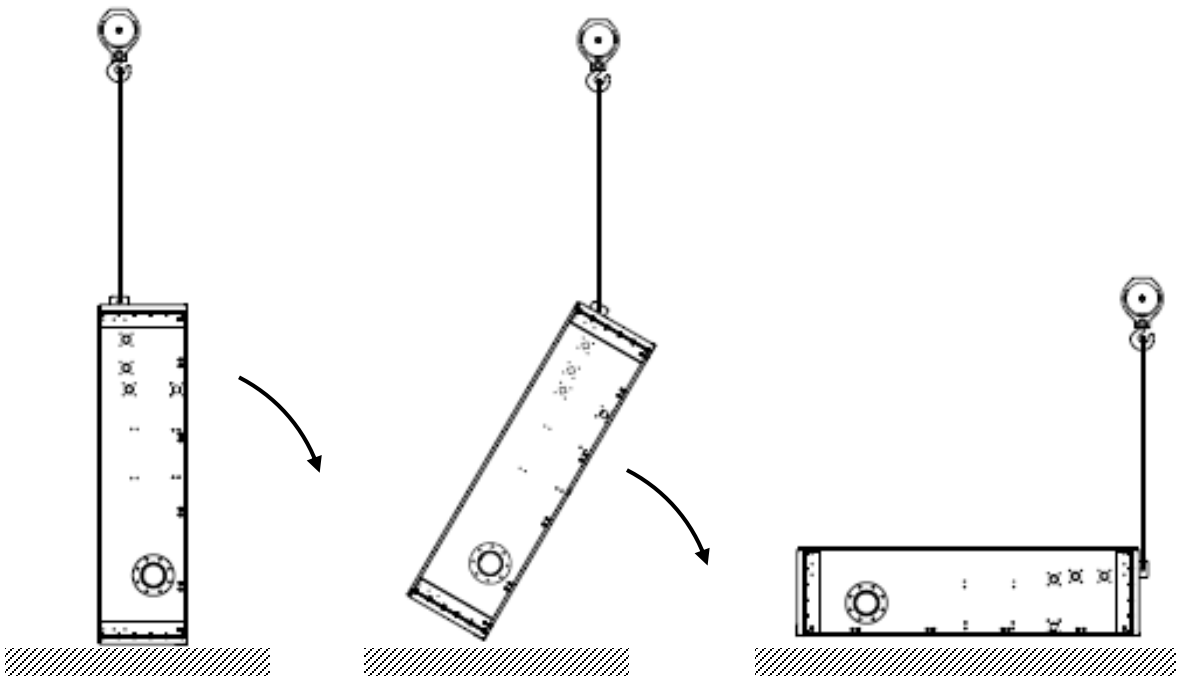
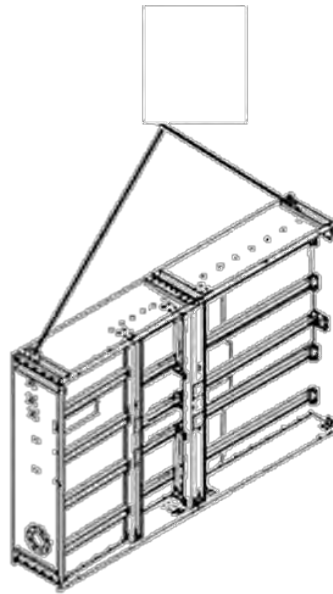
EC9-0910-0809C-L





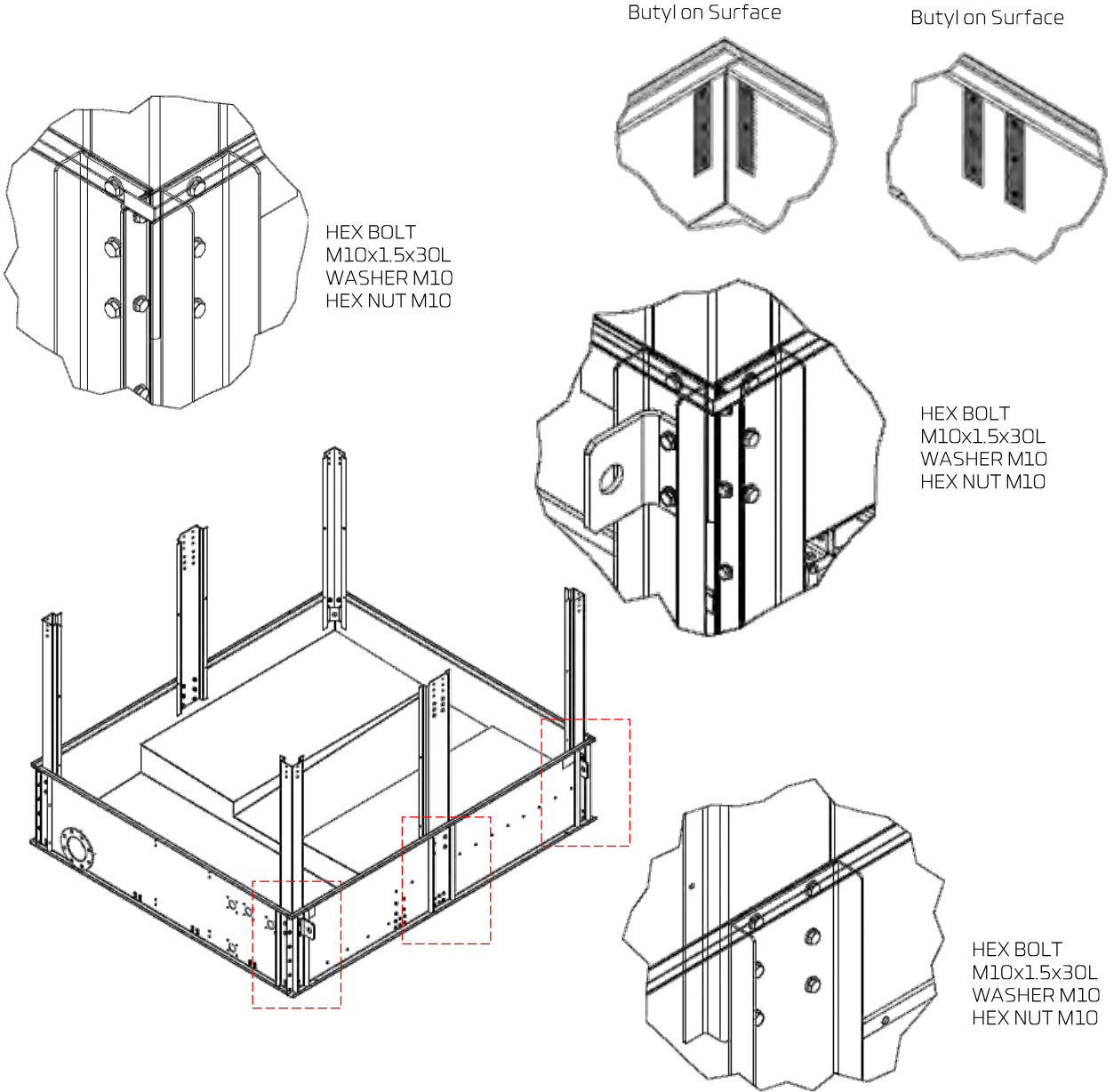
PIPING CONNECTION					
MARK	DESCRIPTION	Q'TY	SIZE	THREAD	VALVE
N1	REFRIGERANT INLET	2	4"	-	-
N2	REFRIGERANT OUTLET	2	4"	-	-
N3	MAKE UP WATER	1	2"	BSPT(F)	BALL VALVE
N4	OVER FLOW	1	2"	BSPT(M)	-
N5	DRAIN	1	2"	BSPT(F)	BALL VALVE
N6	QUICK REFILL	1	2"	BSPT(F)	BALL VALVE

Step 1: Basin Assembly

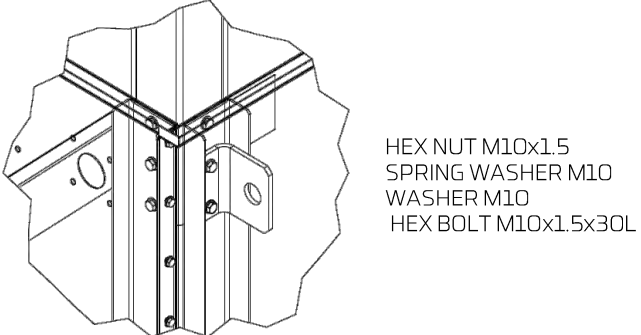


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

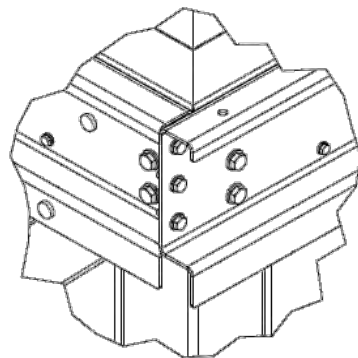
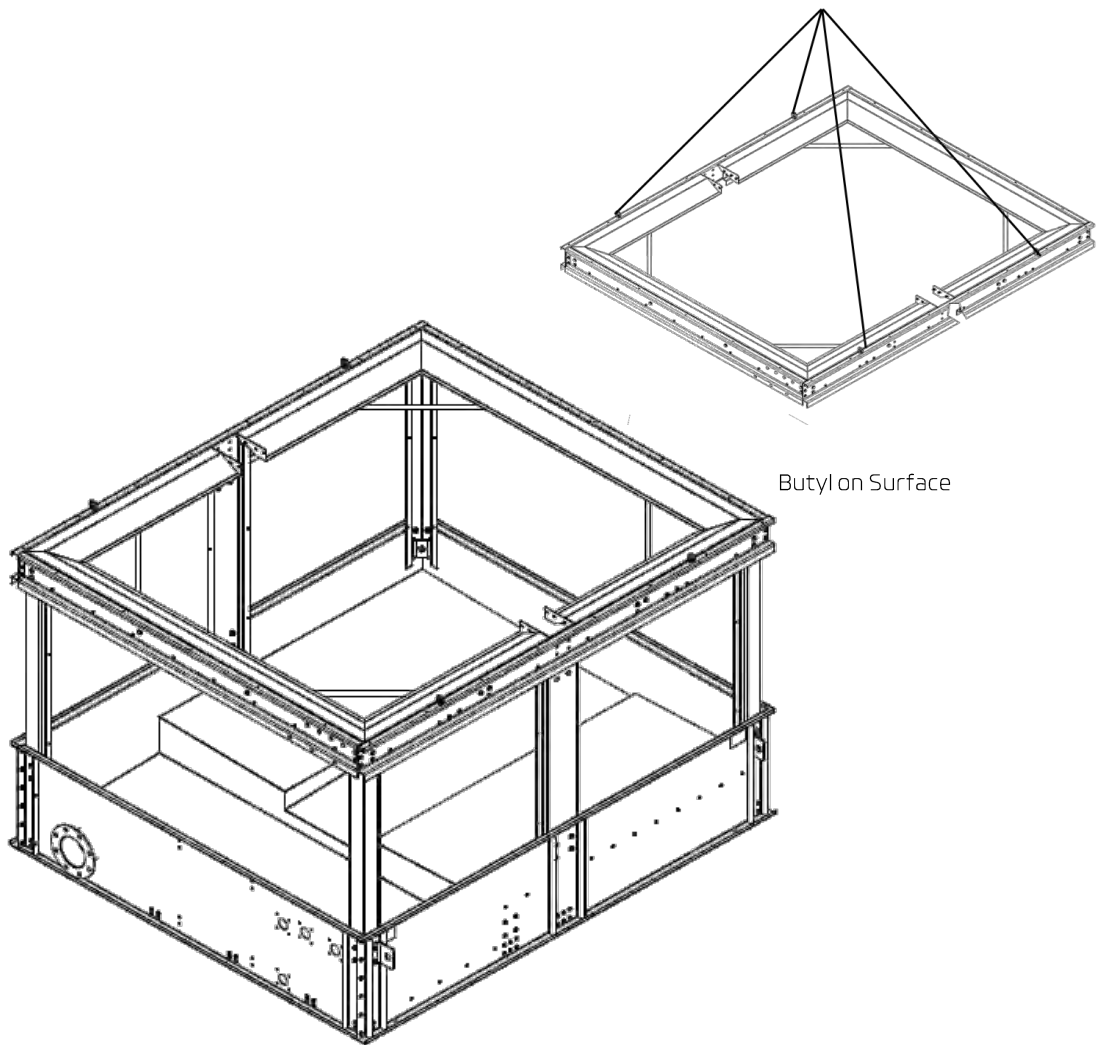
Step 2 : Support Frame Assembly



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



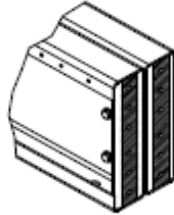
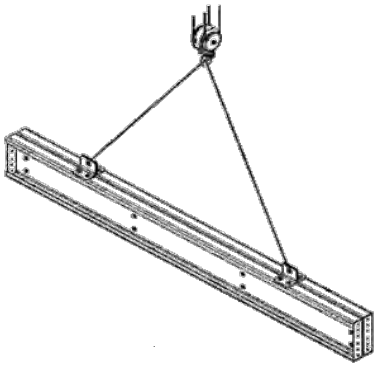
Step 3: Frame Assembly



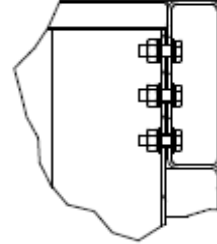
HEX BOLT
M10x1.5x30L
HEX NUT M10

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

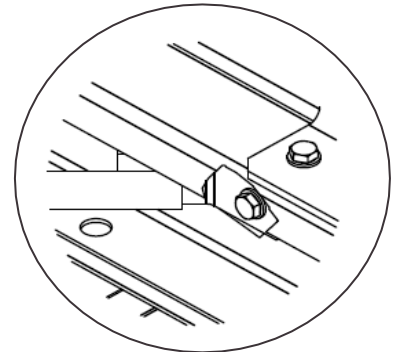
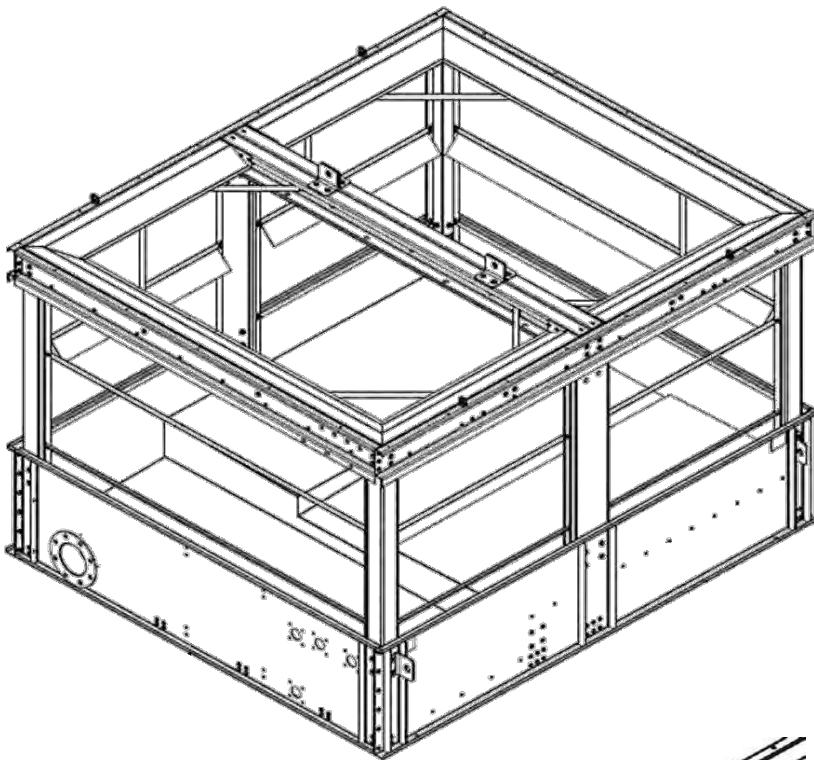
Step 3: Frame Assembly



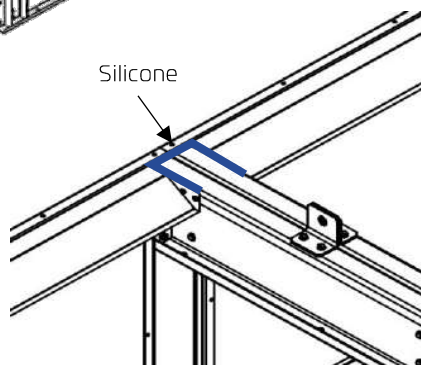
Butyl on Surface



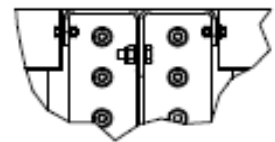
- HEX BOLT
M10x1.5x30L
- HEX NUT M10
- WASHER M10
- SPRING WASHER
M10



- HEX BOLT
M10x1.5x40L
- HEX NUT M10
- WASHER M10
- SPRING WASHER
M10



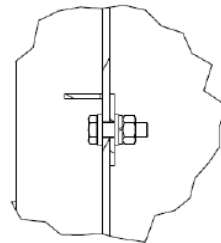
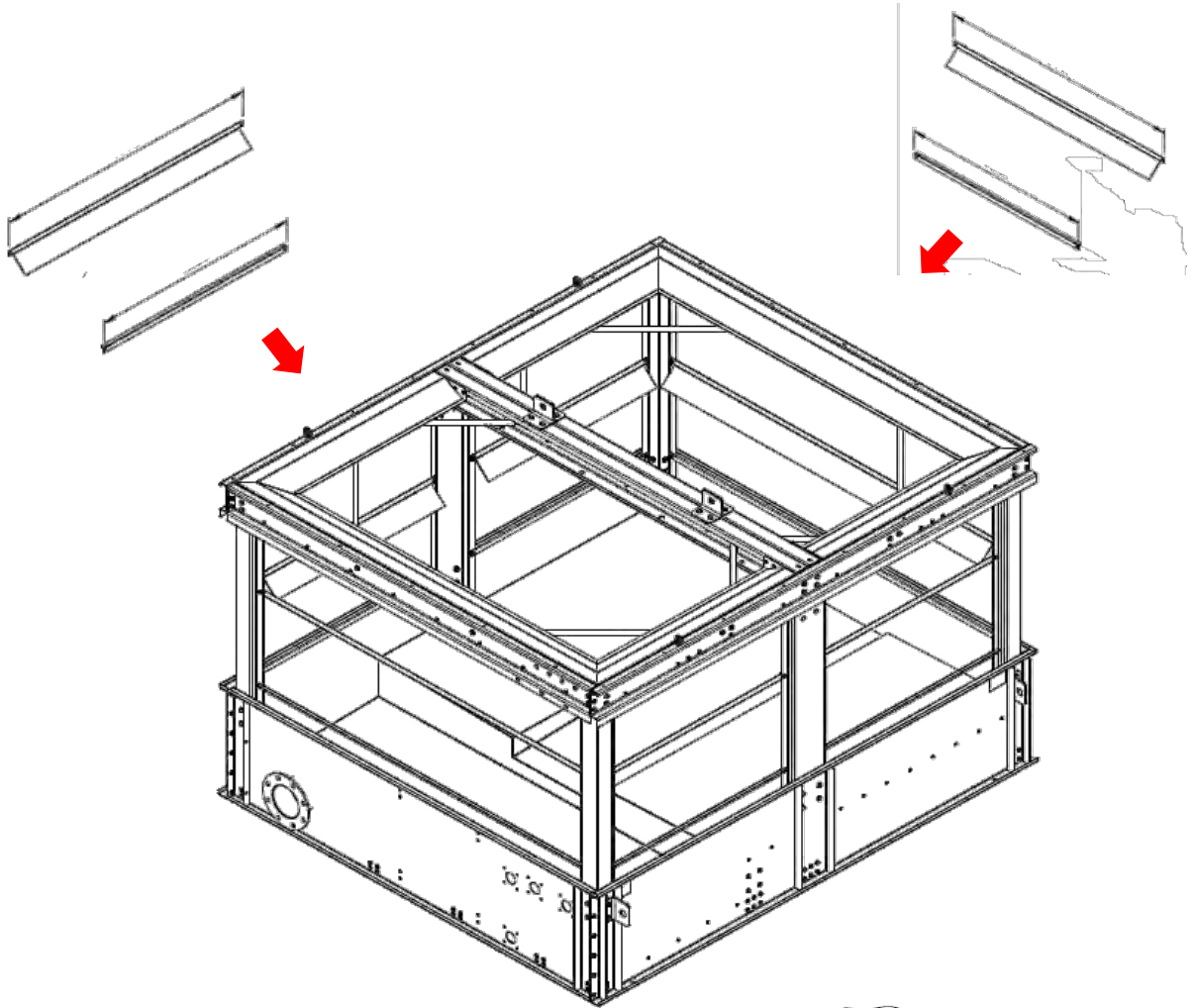
Silicone



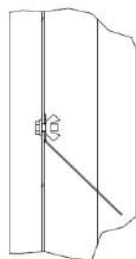
- HEX BOLT
M6x1.25x20L
- HEX LOCK NUT
M6x1.25
- WASHER M6
- SPRING WASHER
M6

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 5: Water Deflect Assembly



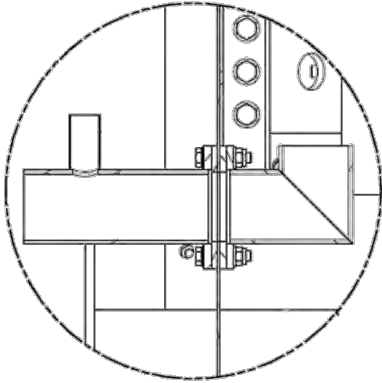
HEX BOLT
M6x1.25x20L
HEX.LOCK NUT
M6x1.25
WASHER M6
SPRING WASHER
M6



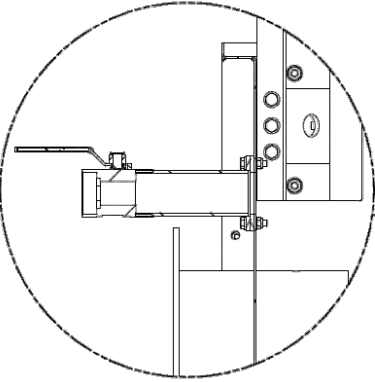
HEX BOLT
M8x1.25x20L
WING NUT M8
WASHER M8

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

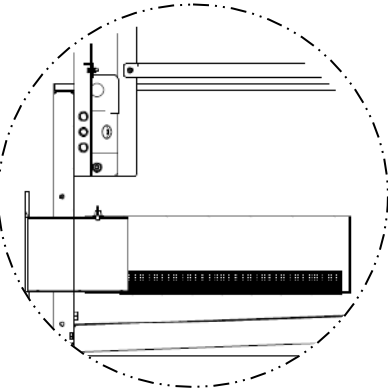
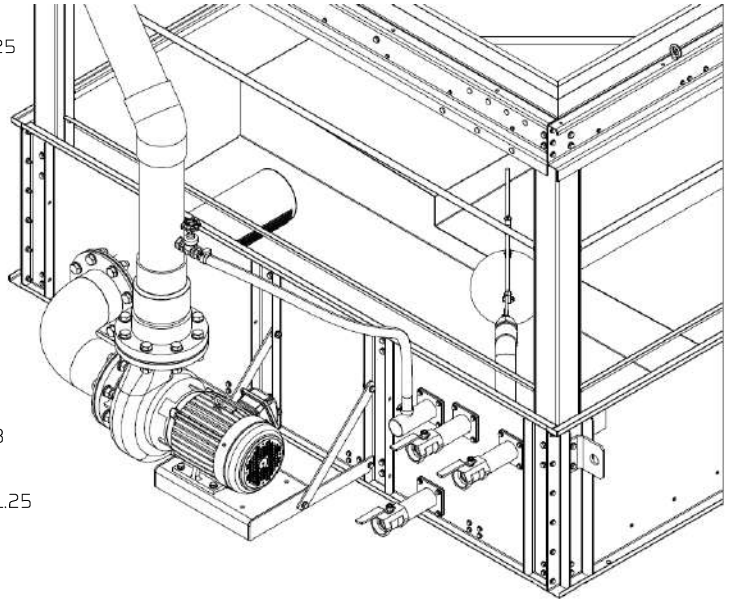
Step 6 : Piping and Valve Assembly



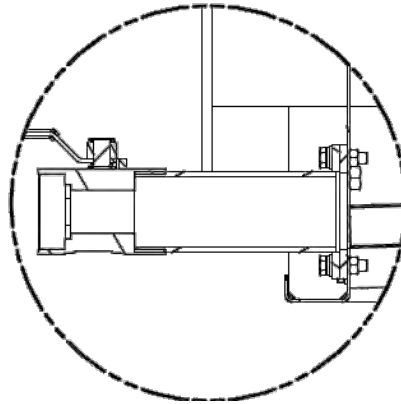
PIPE OVER FLOW
BOLT M8x1.25x40L
NR GASKET
WASHER FOR M8
HEX.LOCK NUT M8X1.25



BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25



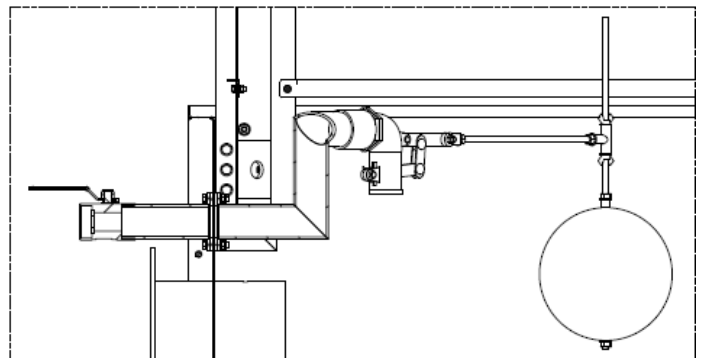
PIPE WITH STRAINER
WING SCREW - M8 x 12
WASHER



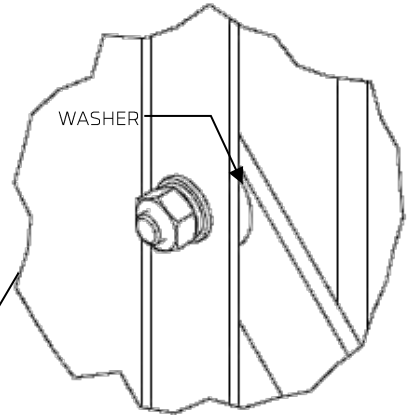
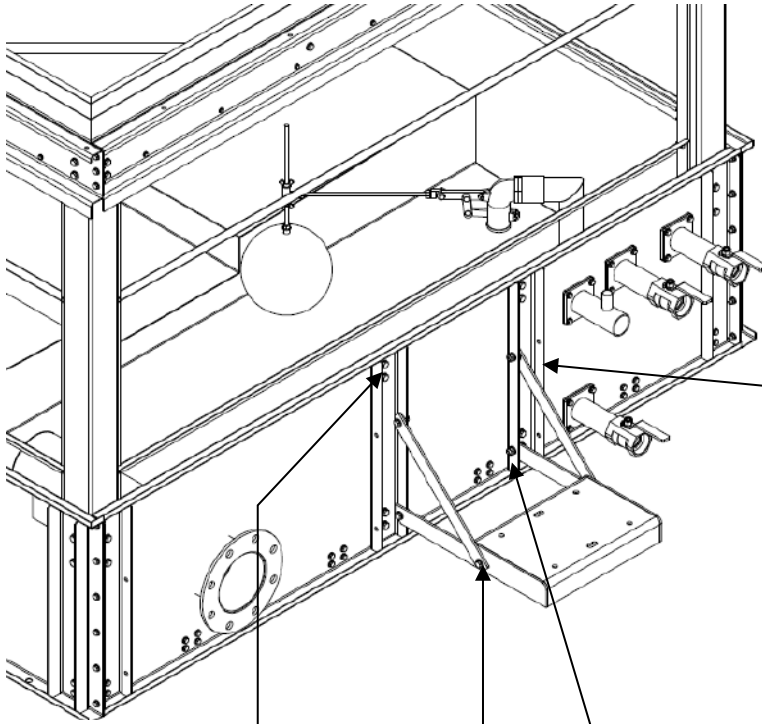
BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

BALL VALVE
FLOAT VALVE
WASHER FOR M8
NR GASKET
PIPE MAKE UP WATER 2"
FLOAT VALVE
BOLT M8x1.25x30L
SPRING WASHER M8
HEX.LOCK NUT M8X1.25

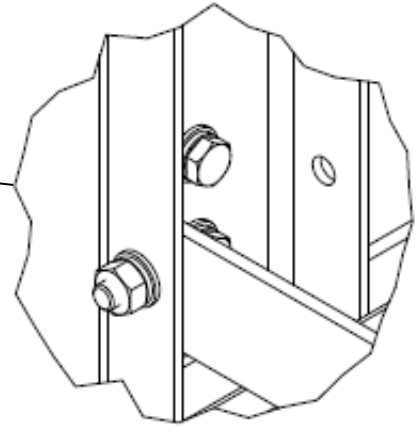


Step 7: Water Pump Base Assembly

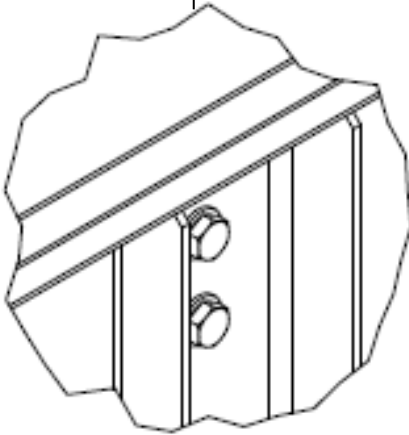


WASHER

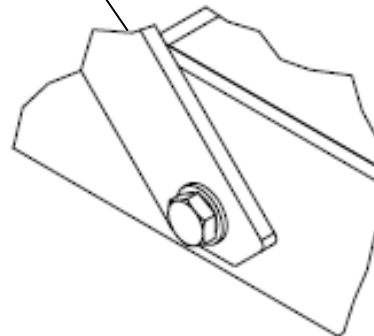
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



HEX.BOLT M10x1.5x30L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



HEX.BOLT M10x1.5x25L
WASHER FOR M10
HEX.NUT LOCK M10x1.5

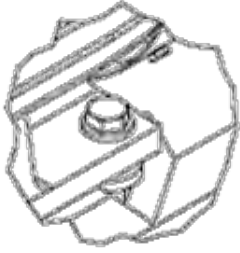


HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

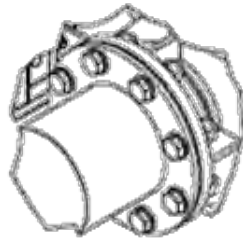
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

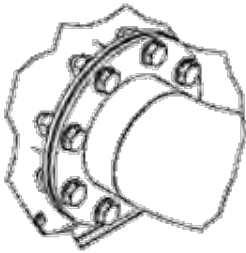
Step 8: Water Pump pipe Assembly



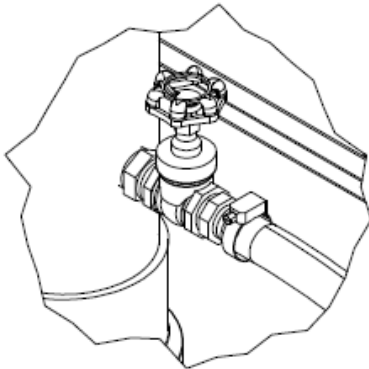
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



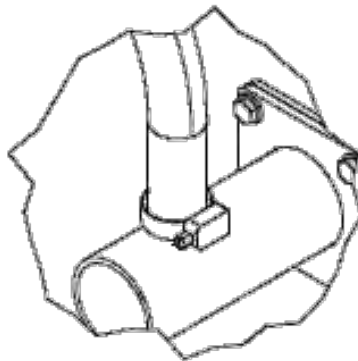
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L



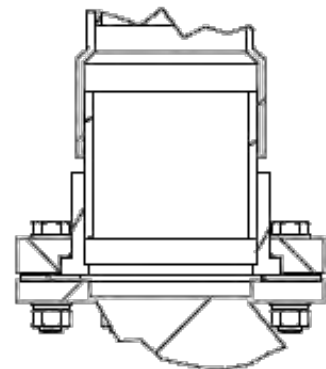
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



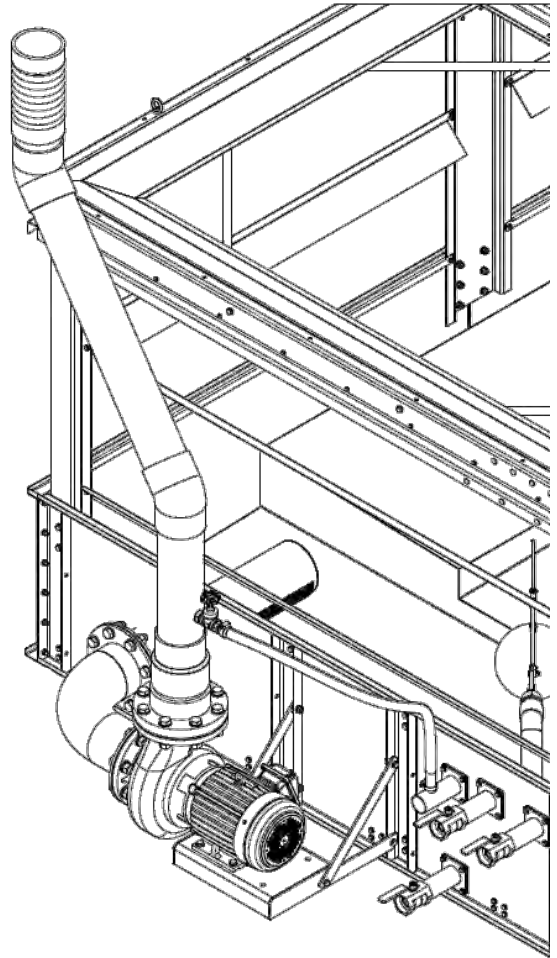
HOSE CLAMP 1"
 TEXTILE HOSE 1"



HOSE CLAMP 1"
 TEXTILE HOSE 1"

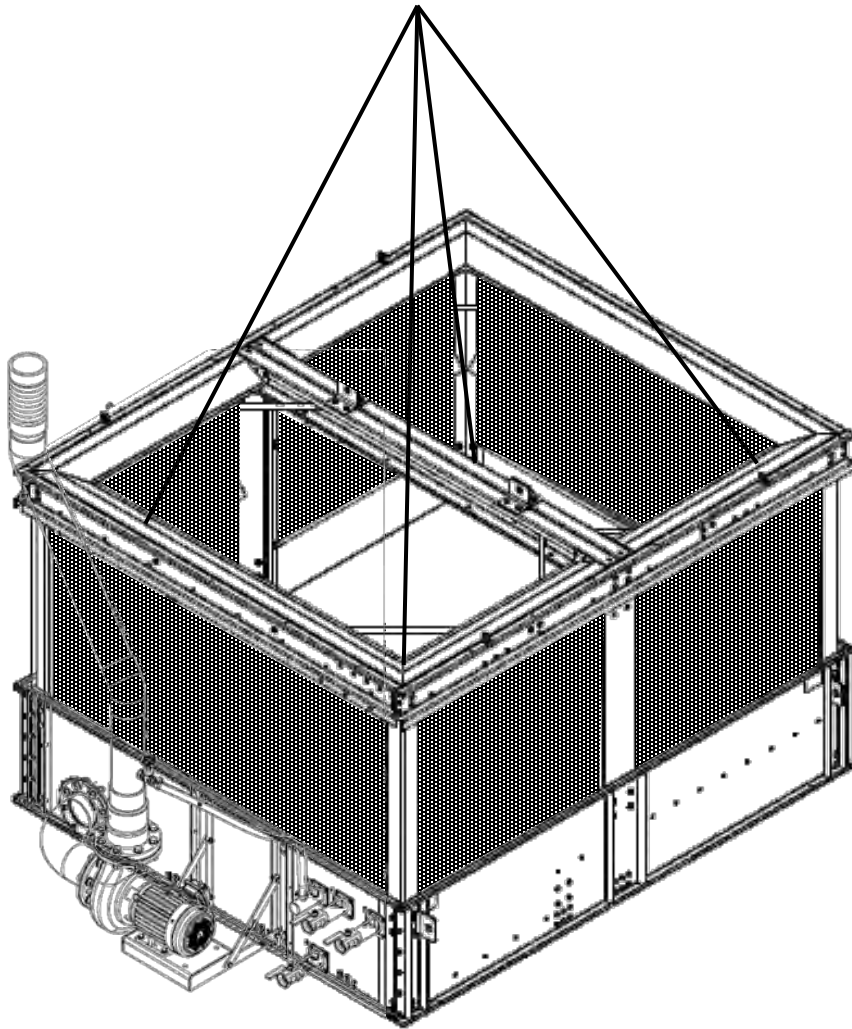


HEX BOLT M20x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20



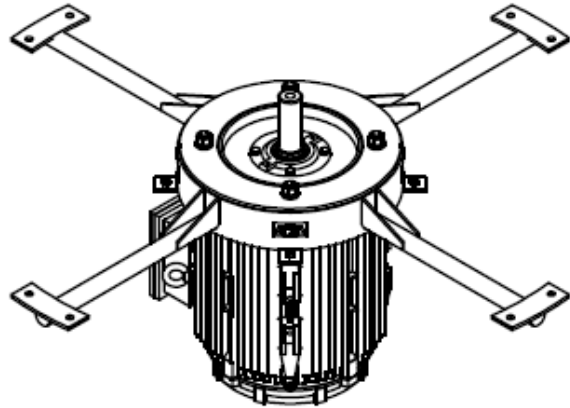
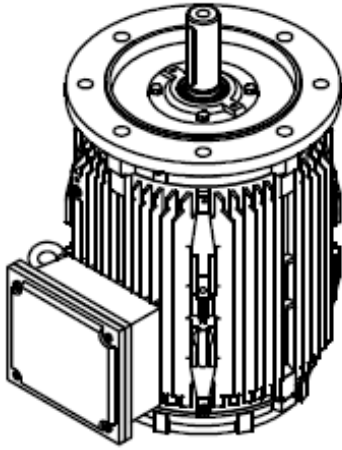
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 9: Move Assembled Basin to Position

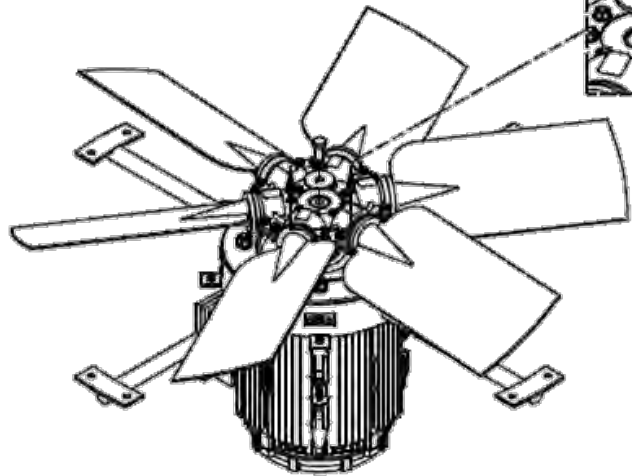
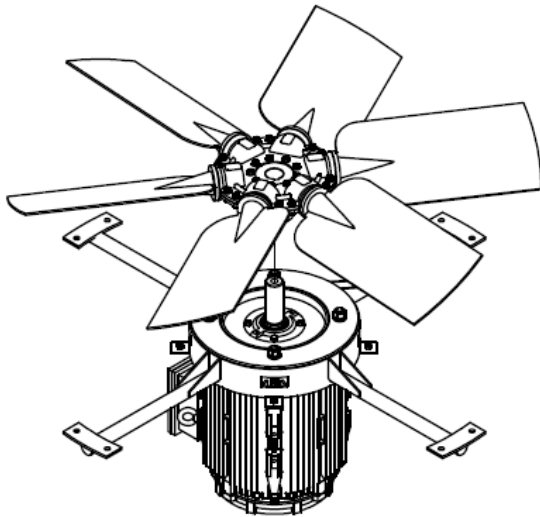
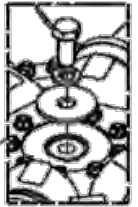


LOUVER

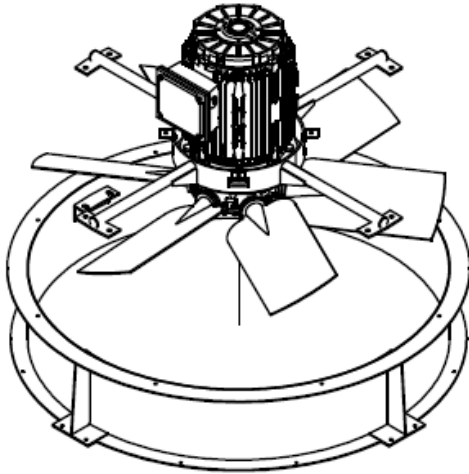
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
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8	17.0
10	33.0
12	57.0
16	140.0



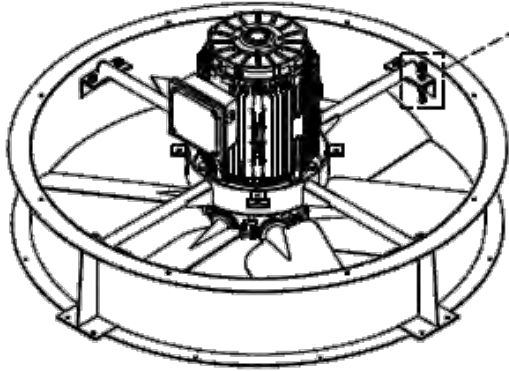
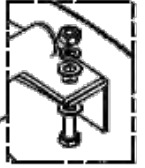
HEX NUT M16
 SPRING WASHER FOR M16
 WASHER FOR M16
 HEX BOLT M16x1.5x60L



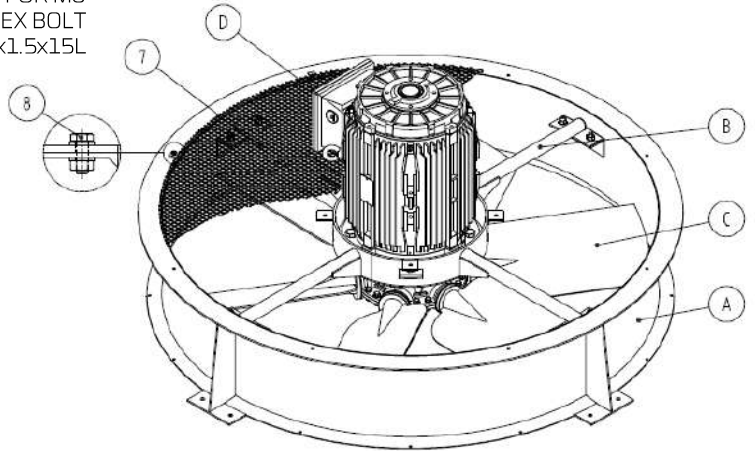
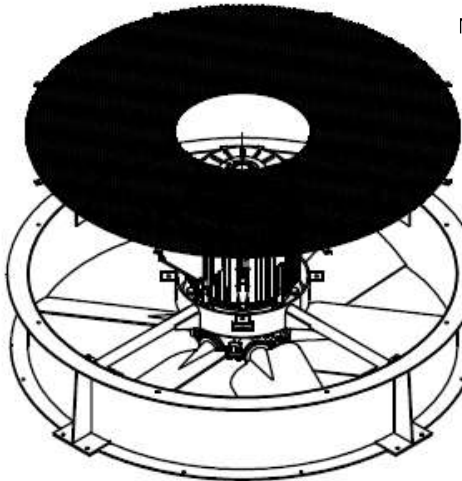
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



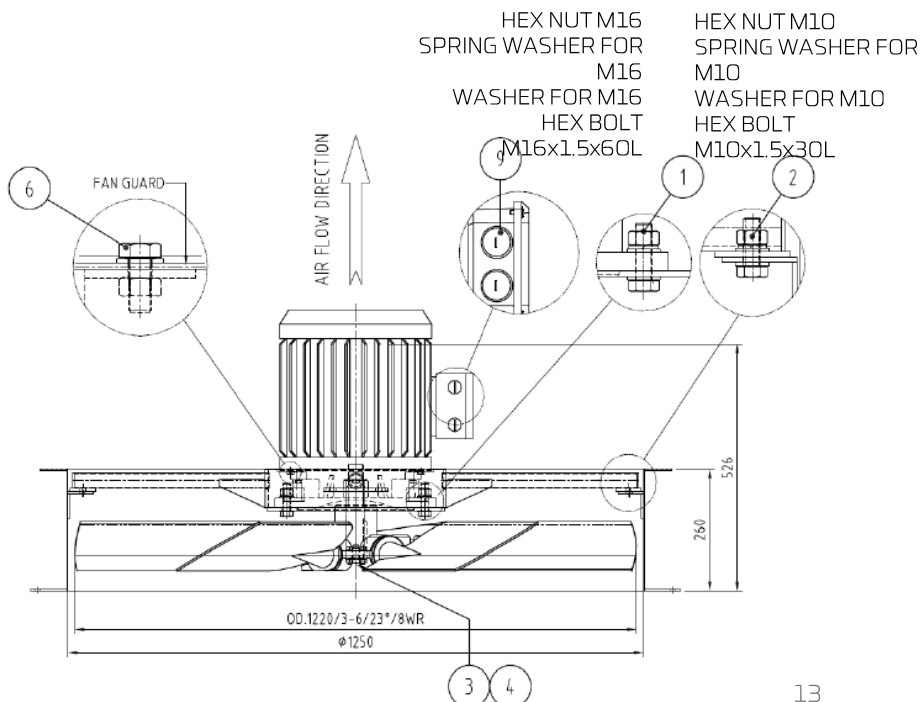
HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L



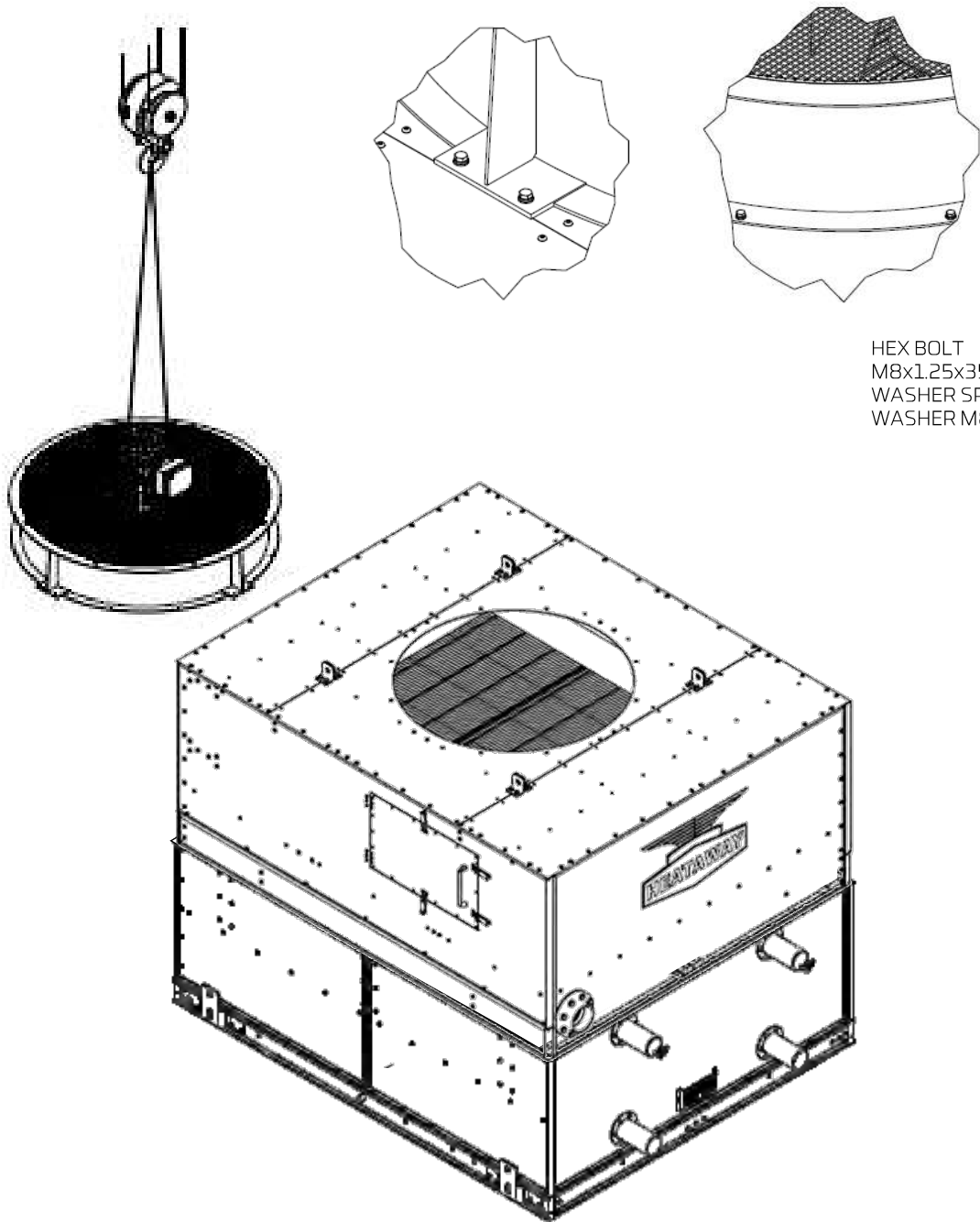
HEX NUT M6
 WASHER FOR M6
 HEX BOLT
 M6x1.5x15L



HEX NUT M8
 WASHER FOR M8
 HEX BOLT
 M8x1.5x15L



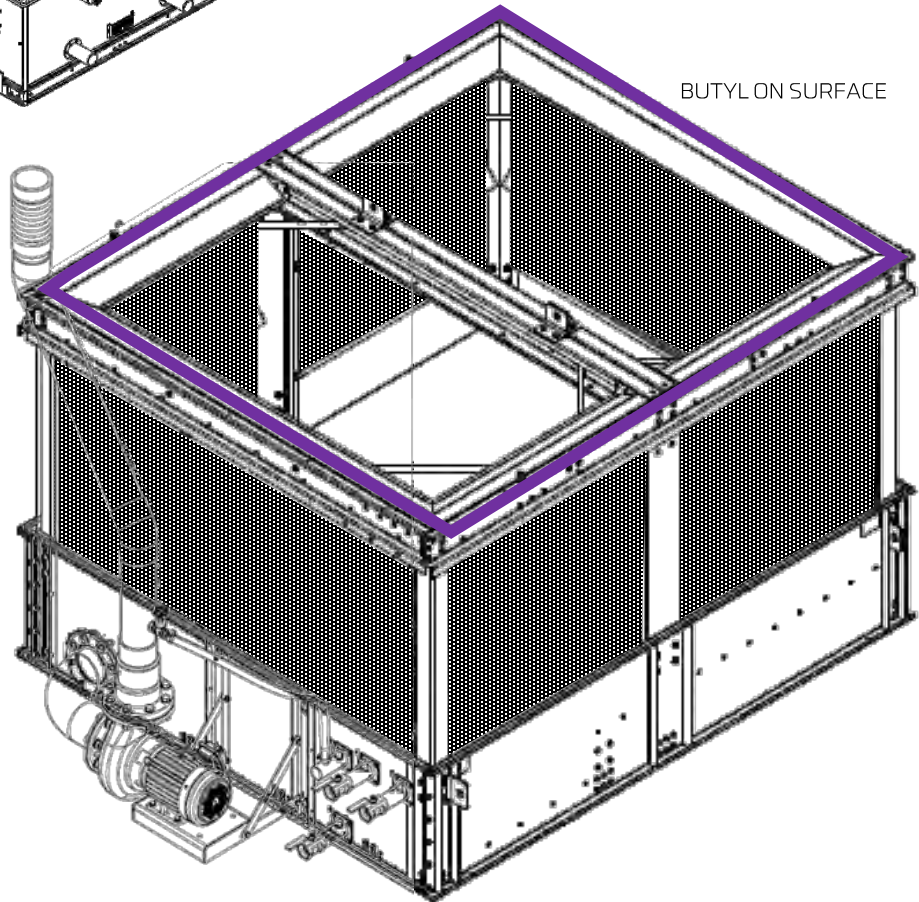
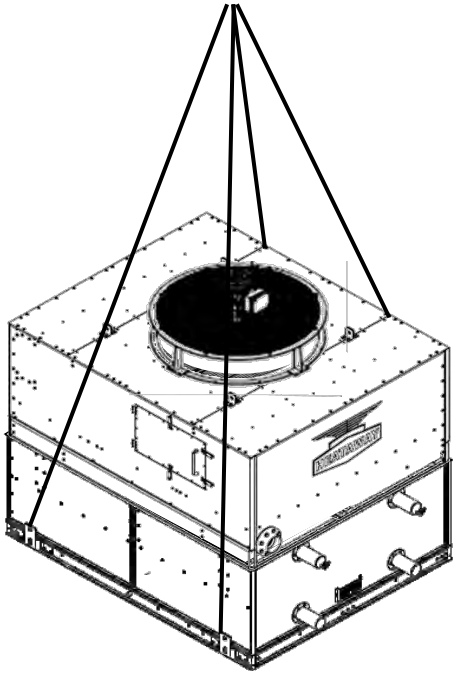
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



HEX BOLT
 M8x1.25x35L
 WASHER SPRING M8
 WASHER M8

TIGHTENING TORQUE (A2-70)

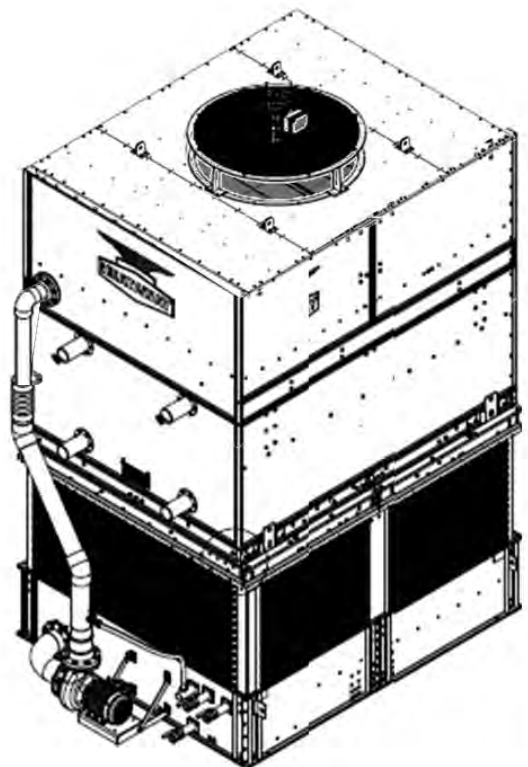
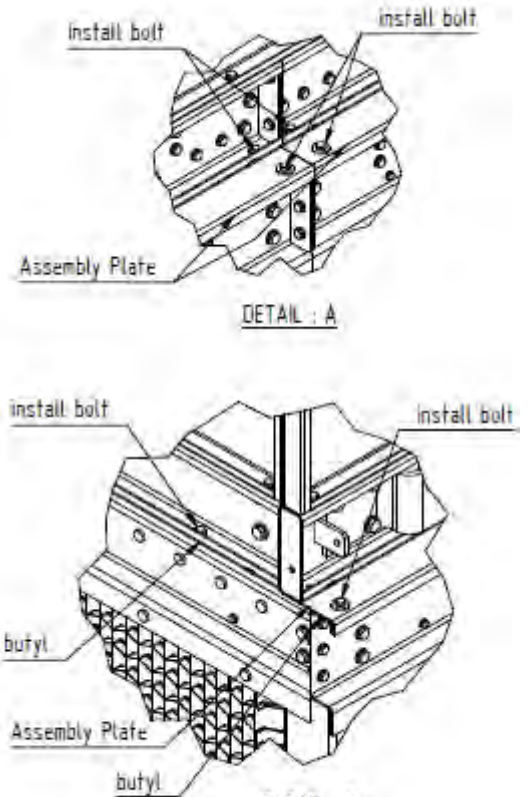
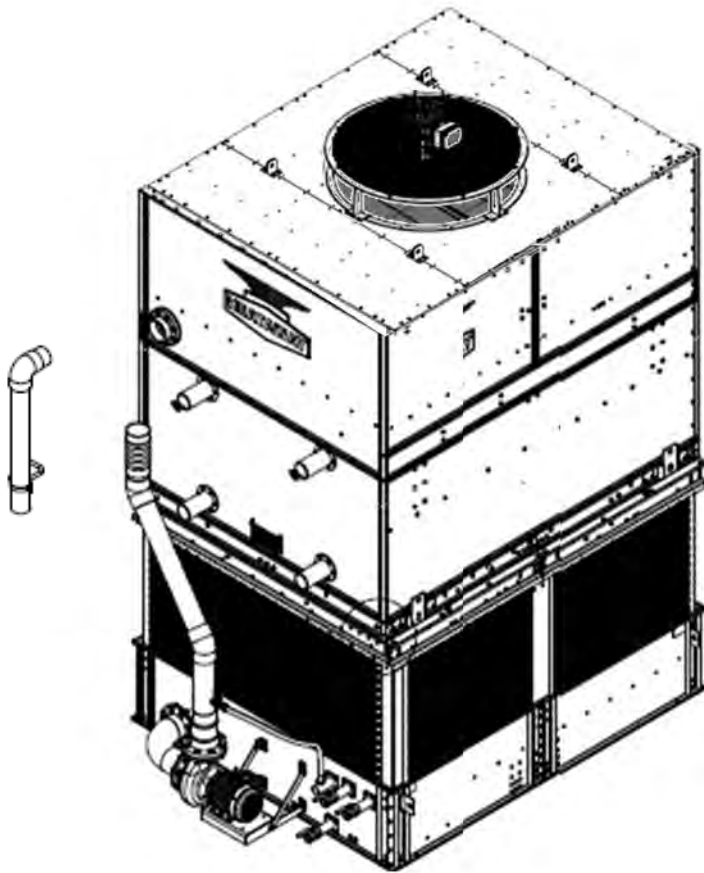
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BUTYL ON SURFACE

TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

Footprint

8' X 12'

Model

EC9-0930-0812C-L

EC9-1000-0812C-S

EC9-1040-0812C-M

EC9-1150-0812C-L

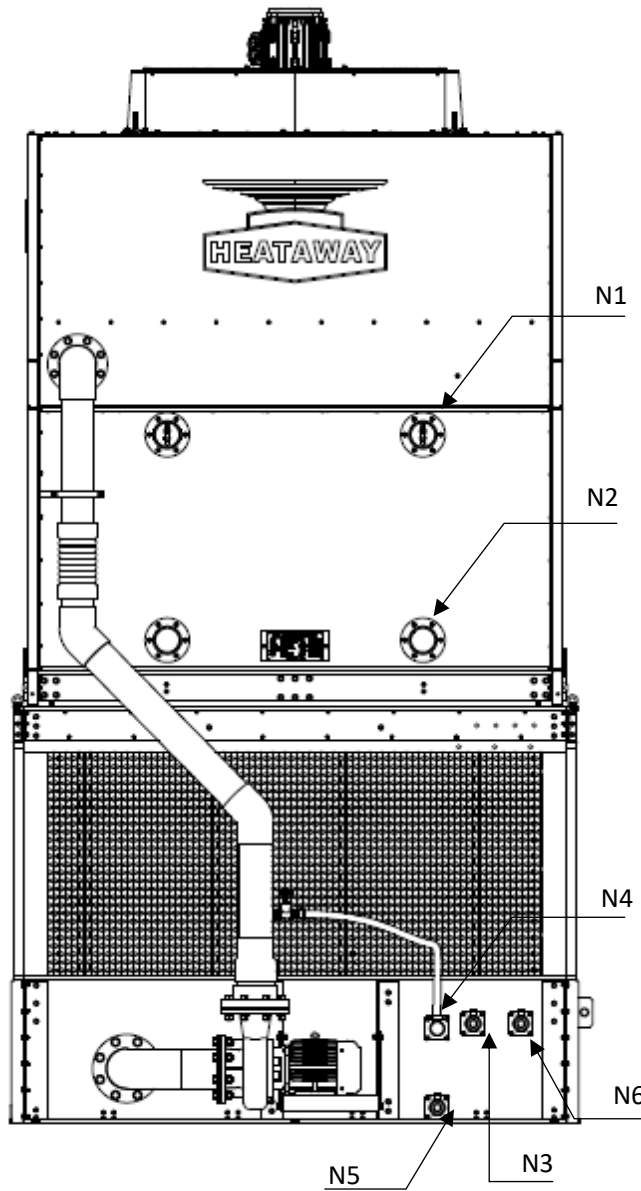
EC9-1190-0812C-M

EC9-1250-0812C-M

EC9-1310-0812C-L

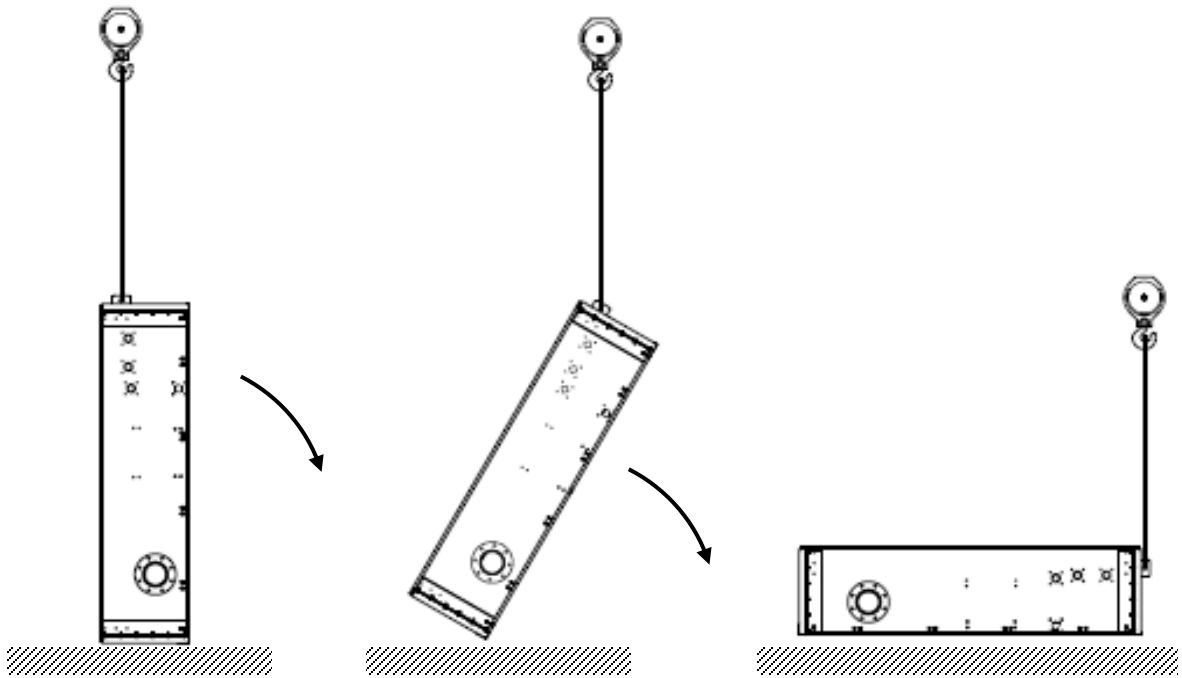
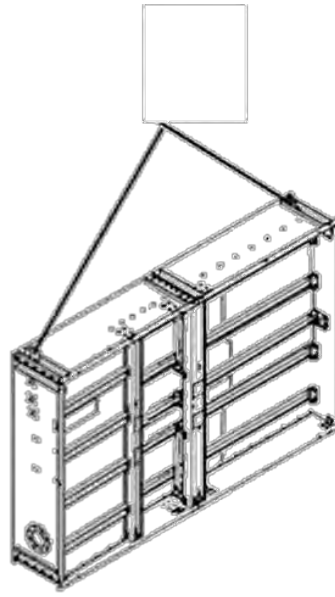
EC9-1360-0812C-L





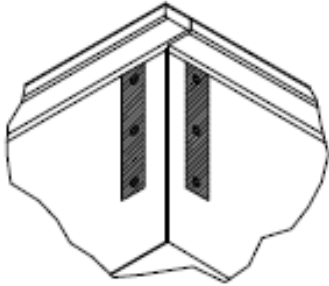
PIPING CONNECTION					
MARK	DESCRIPTION	Q'TY	SIZE	THREAD	VALVE
N1	REFRIGERANT INLET	2	4"	-	-
N2	REFRIGERANT OUTLET	2	4"	-	-
N3	MAKE UP WATER	1	2"	BSPT(F)	BALL VALVE
N4	OVER FLOW	1	2"	BSPT(M)	-
N5	DRAIN	1	2"	BSPT(F)	BALL VALVE
N6	QUICK REFILL	1	2"	BSPT(F)	BALL VALVE

Step 1: Basin Assembly

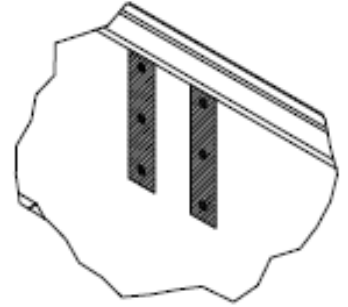


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

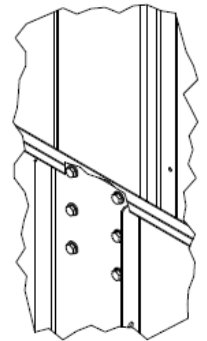
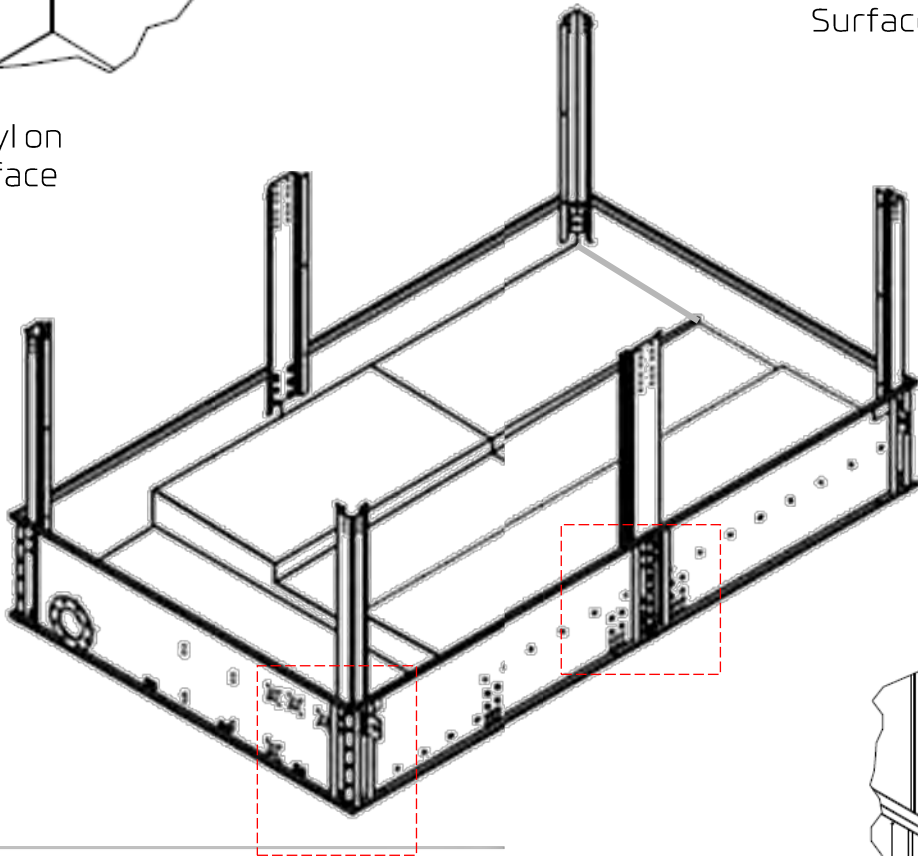
Step 2 : Support Frame Assembly



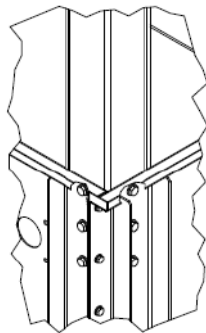
Butyl on Surface



Butyl on Surface



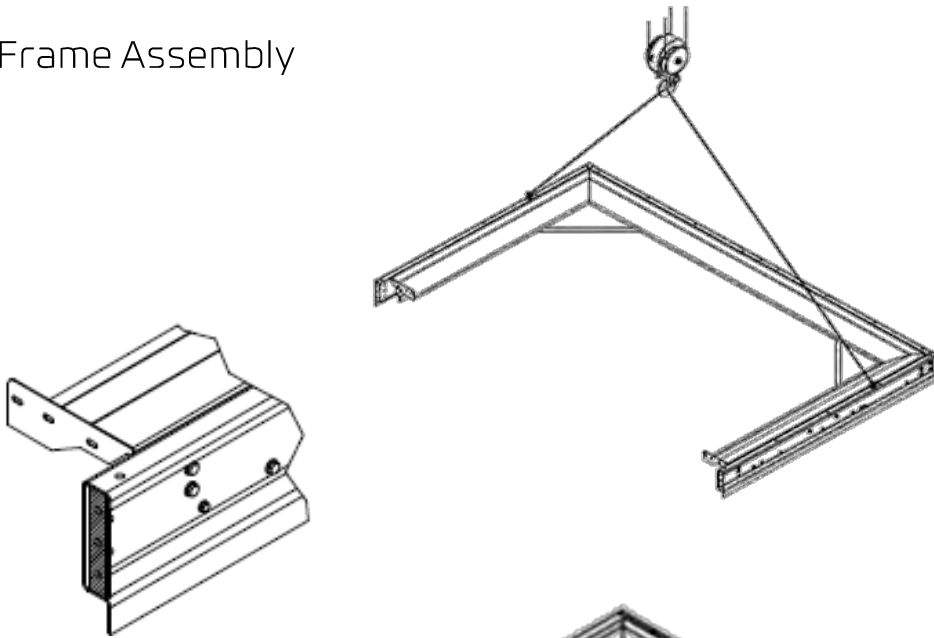
HEX BOLT
M10x1.5x30L
WASHER M10
HEX NUT M10



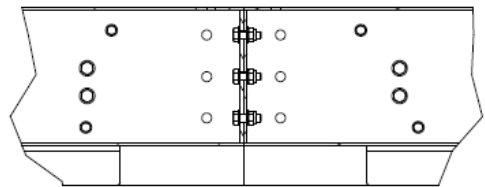
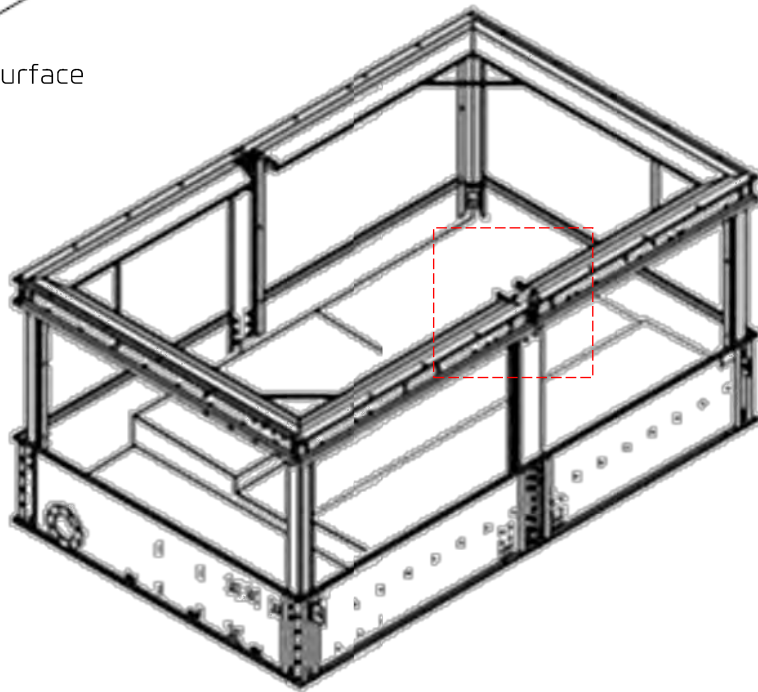
HEX NUT M10x1.5
SPRING WASHER M10
WASHER M10
HEX BOLT M10x1.5x30L

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 3: Frame Assembly



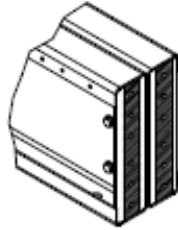
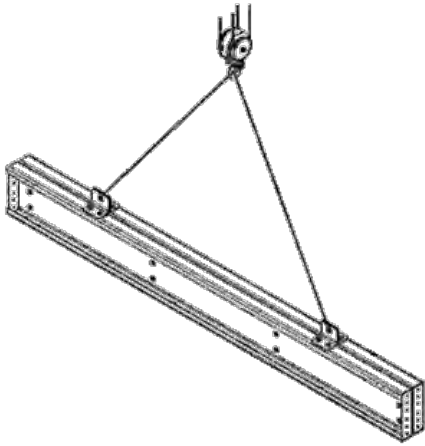
Butyl on Surface



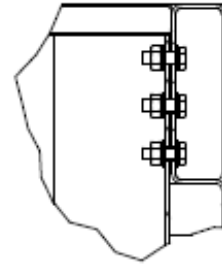
- HEX BOLT
- M8x1.25x25L
- WASHER M8
- HEX.LOCK NUT
- M8x1.25

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

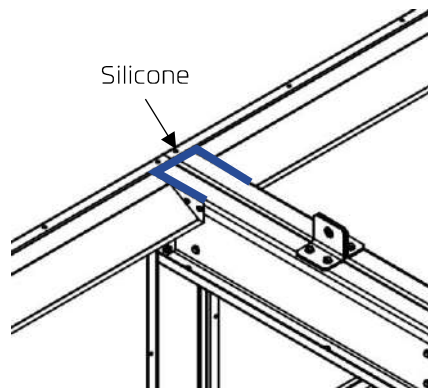
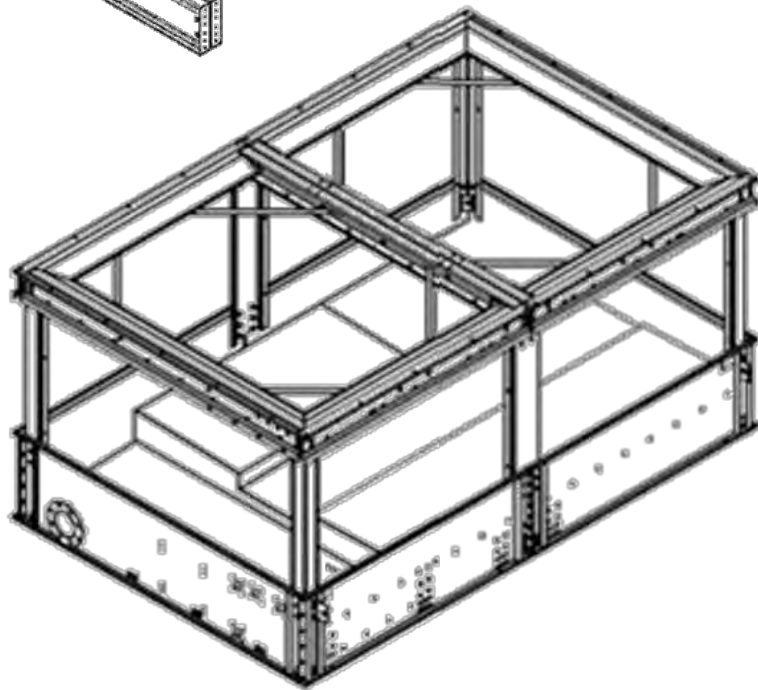
Step 3: Frame Beam Assembly



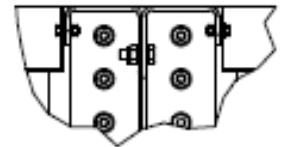
Butyl on Surface



- HEX BOLT
M10x1.5x30L
- HEX NUT M10
- WASHER M10
- SPRING WASHER
M10



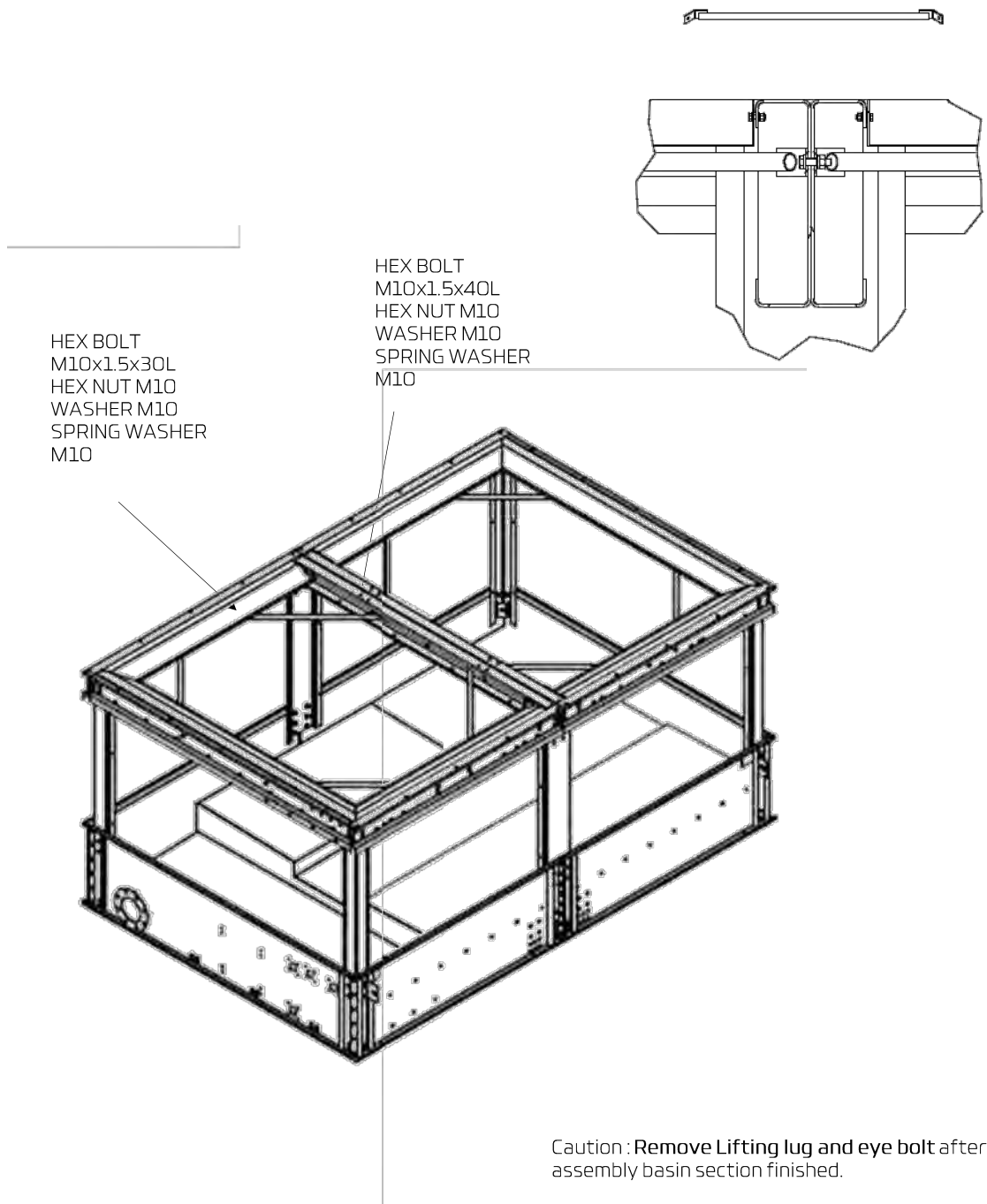
Silicone



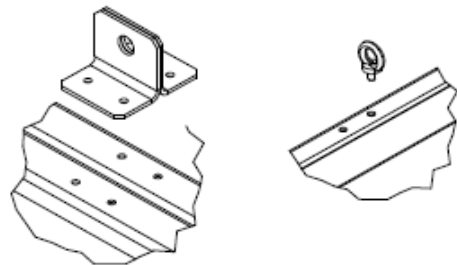
- HEX BOLT
M6x1.25x20L
- HEX LOCK NUT
M6x1.25
- WASHER M6
- SPRING WASHER
M6

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 4: Support Frame Assembly

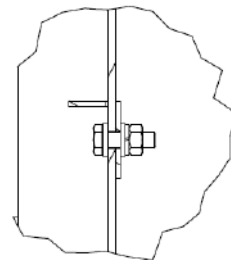
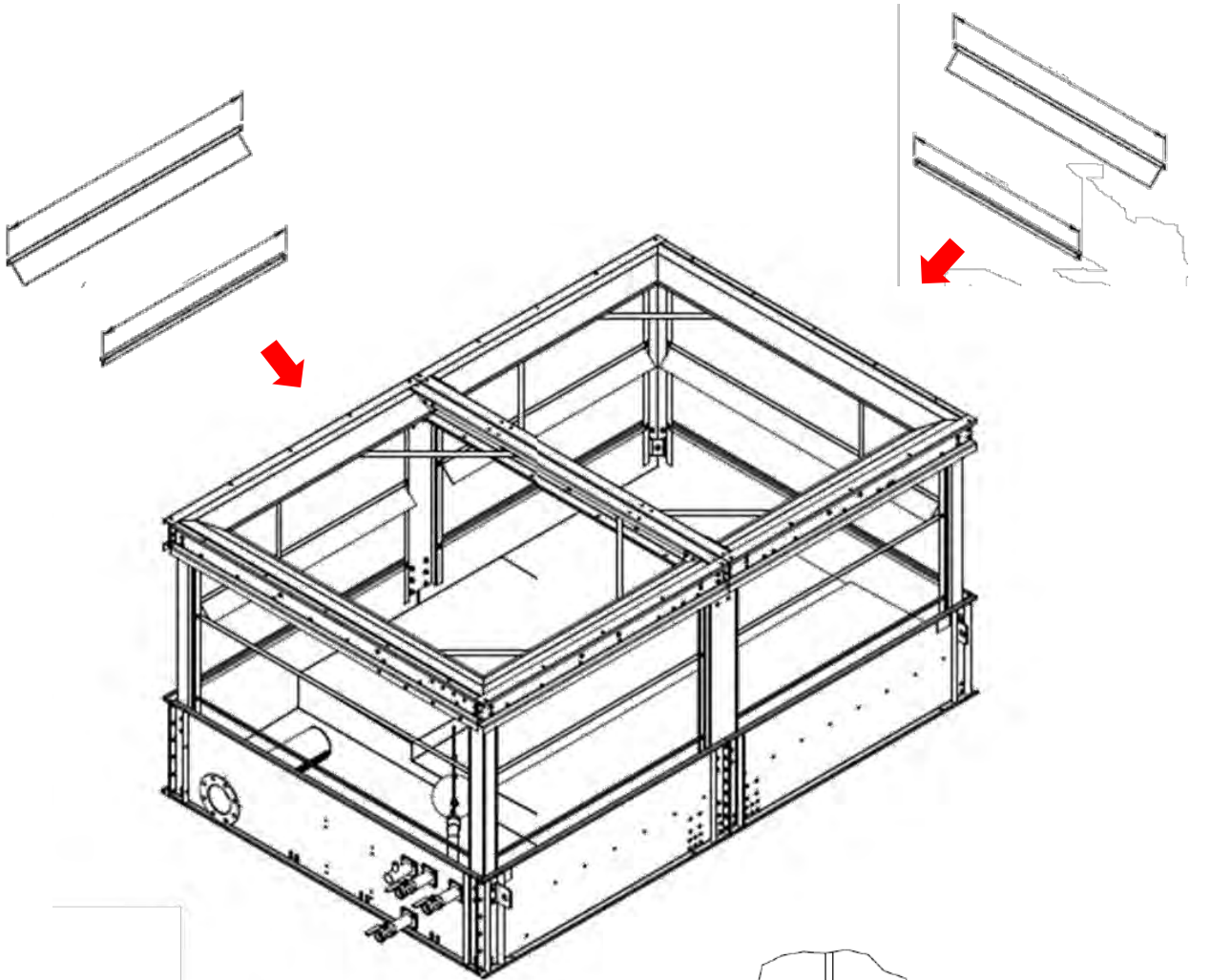


Caution : Remove Lifting lug and eye bolt after assembly basin section finished.

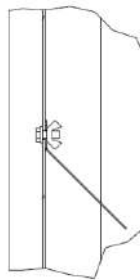


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 5: Water Deflect Assembly



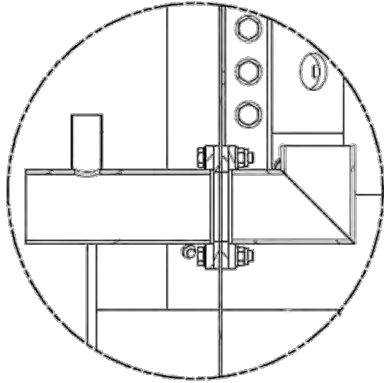
HEX BOLT
M6x1.25x20L
HEX LOCK NUT
M6x1.25
WASHER M6
SPRING WASHER M6



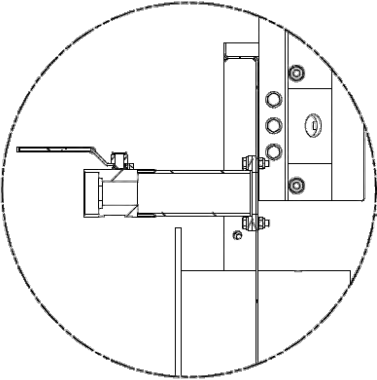
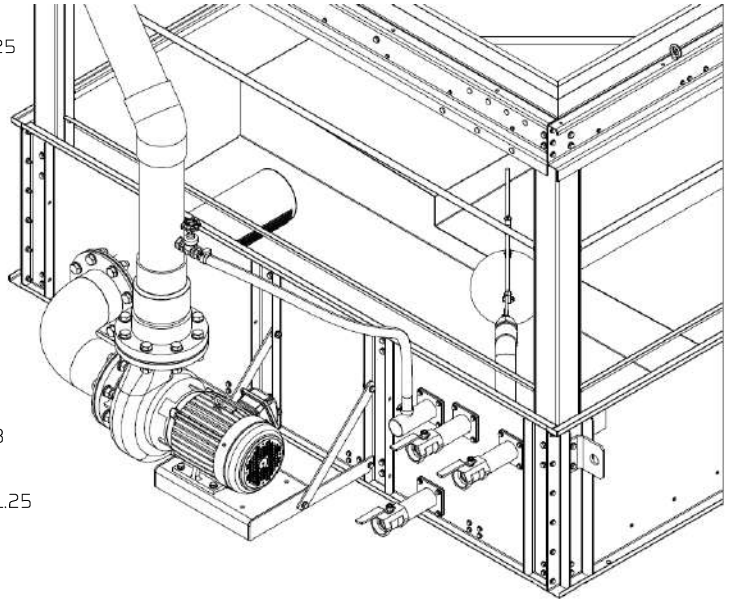
HEX BOLT
M8x1.25x20L
WING NUT M8
WASHER M8

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

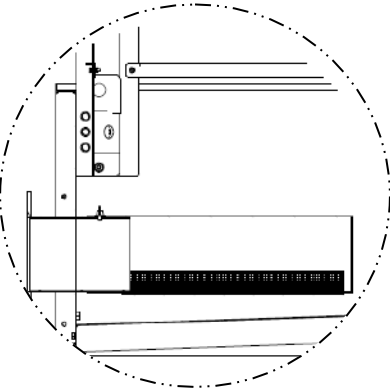
Step 6 : Piping and Valve Assembly



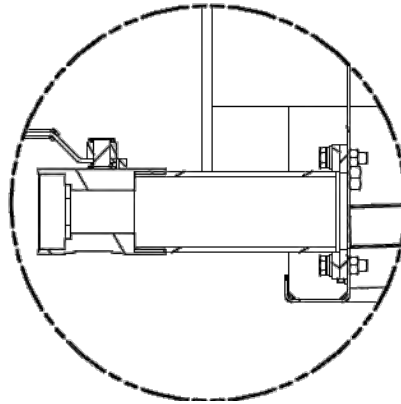
PIPE OVER FLOW
BOLT M8x1.25x40L
NR GASKET
WASHER FOR M8
HEX.LOCK NUT M8X1.25



BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25



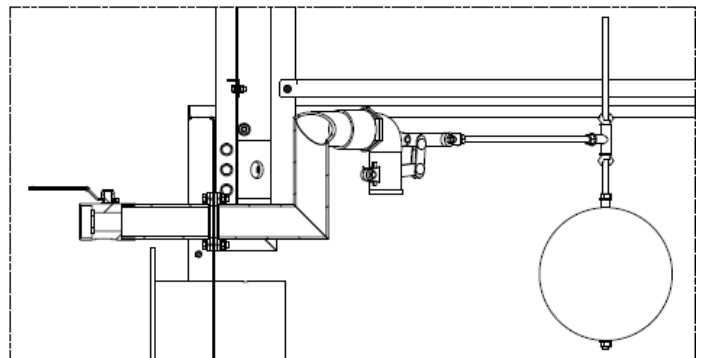
PIPE WITH STRAINER
WING SCREW - M8 x 12
WASHER



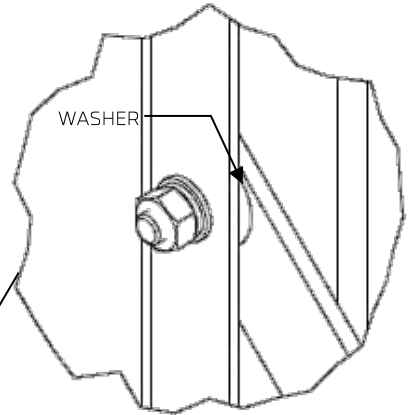
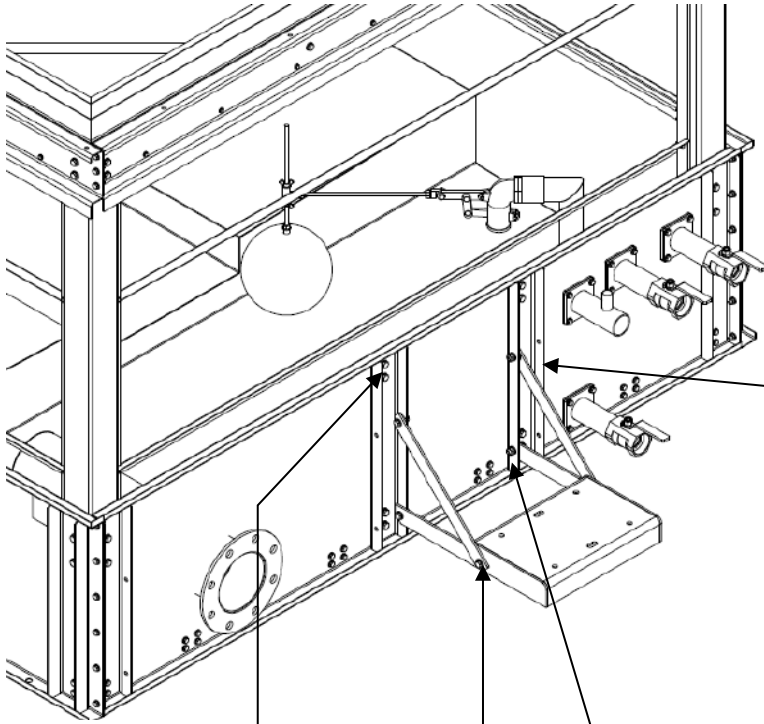
BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

BALL VALVE
FLOAT VALVE
WASHER FOR M8
NR GASKET
PIPE MAKE UP WATER 2"
FLOAT VALVE
BOLT M8x1.25x30L
SPRING WASHER M8
HEX.LOCK NUT M8X1.25

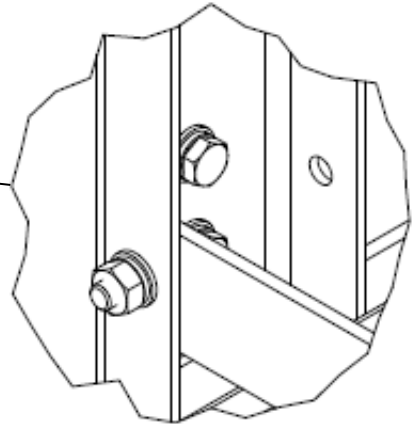


Step 7: Water Pump Base Assembly

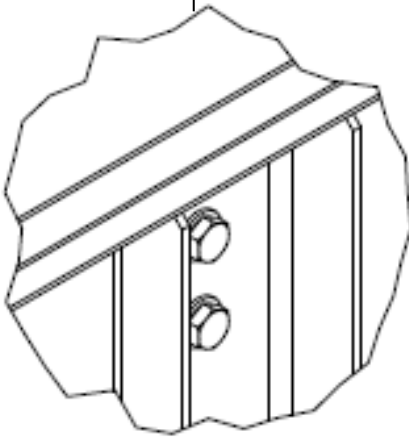


WASHER

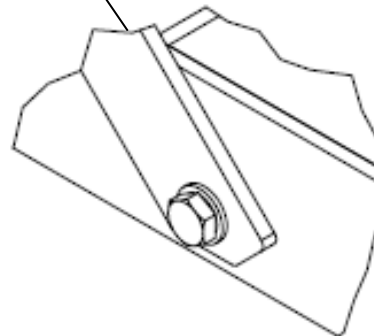
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



HEX.BOLT M10x1.5x30L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



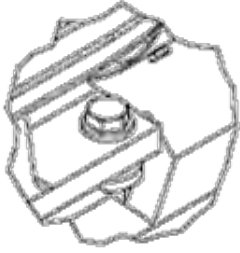
HEX.BOLT M10x1.5x25L
WASHER FOR M10
HEX.NUT LOCK M10x1.5



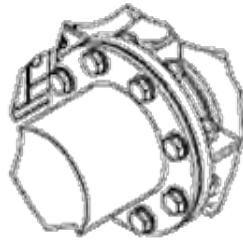
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

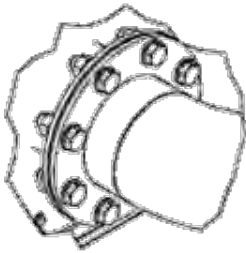
Step 8: Water Pump pipe Assembly



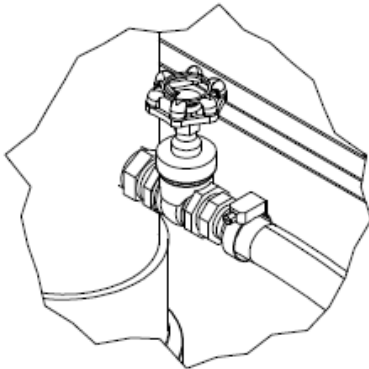
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



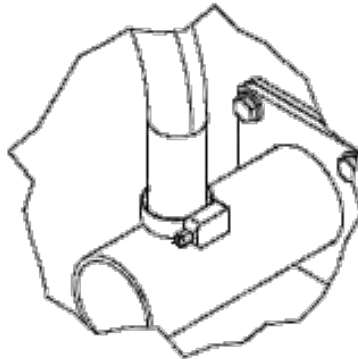
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L



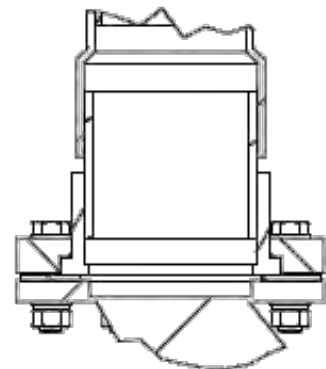
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



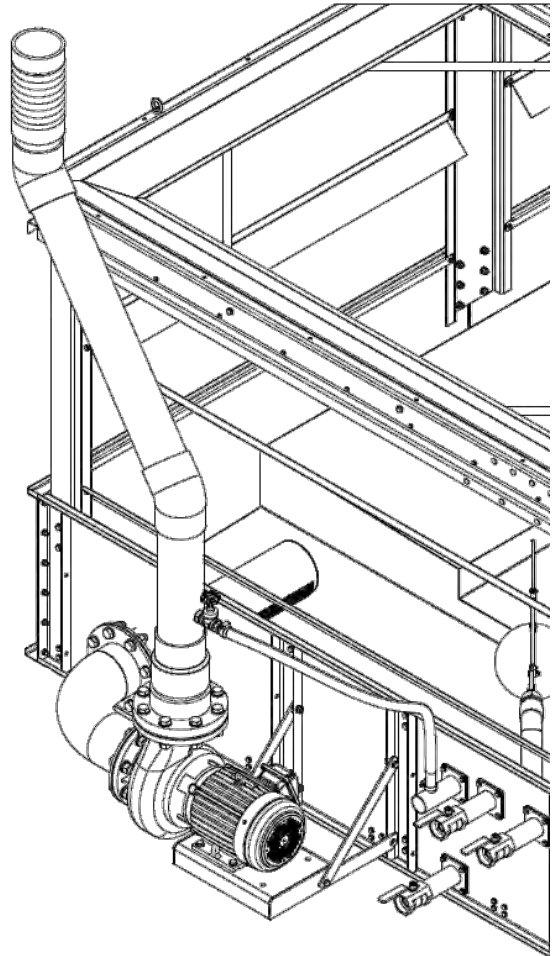
HOSE CLAMP 1"
 TEXTILE HOSE 1"



HOSE CLAMP 1"
 TEXTILE HOSE 1"

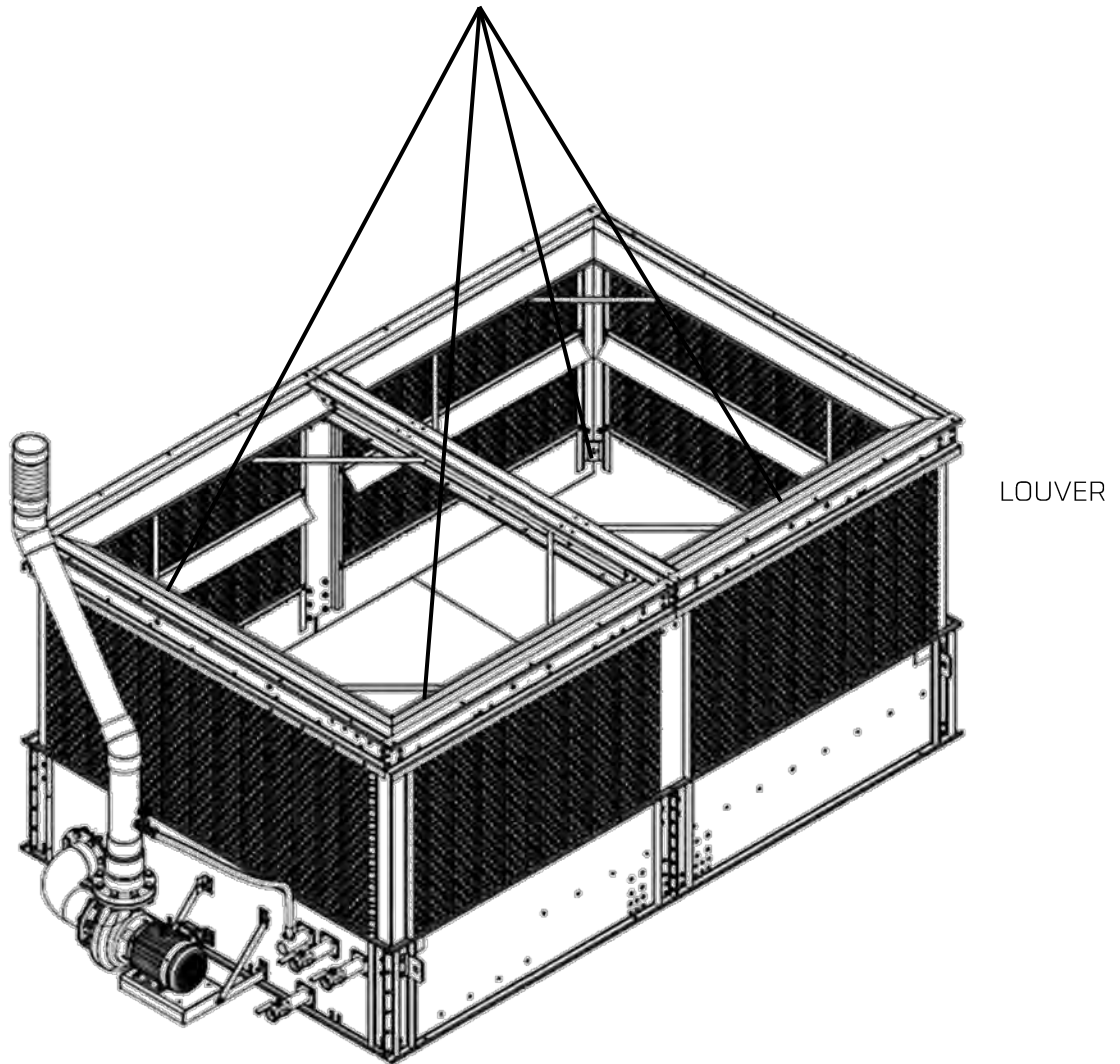


HEX BOLT M20x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20

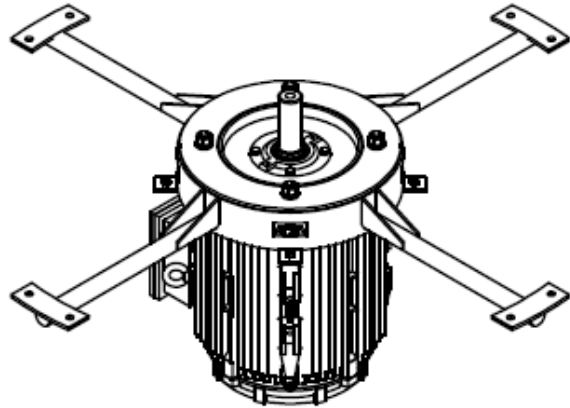
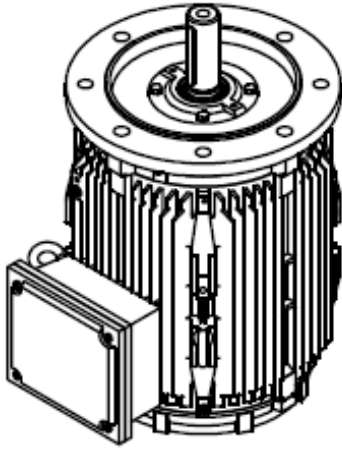


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

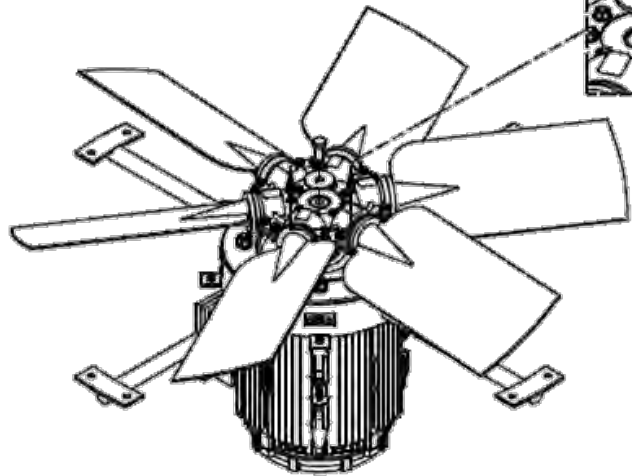
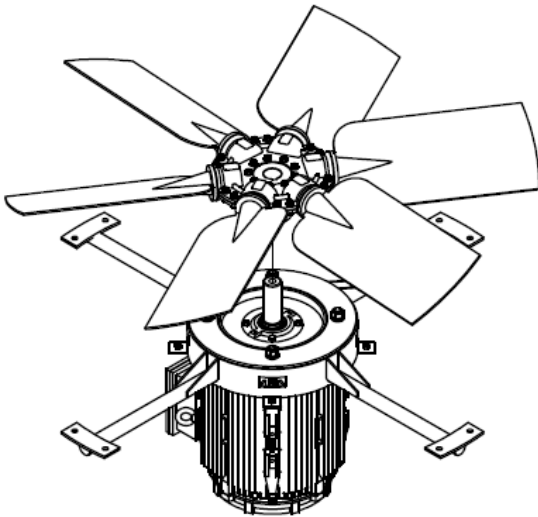
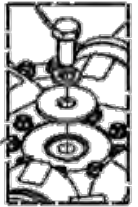
Step 9: Move Assembled Basin to Position



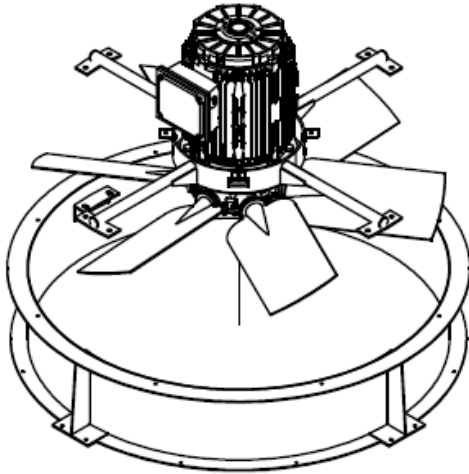
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



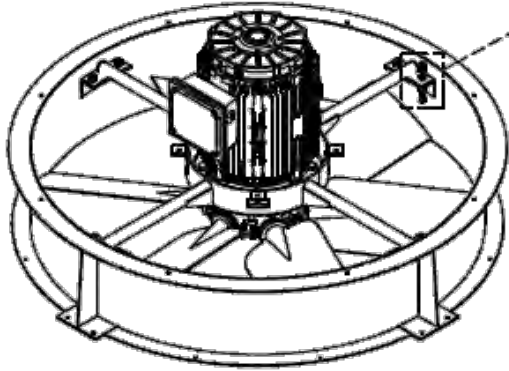
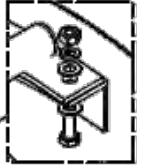
HEX NUT M16
 SPRING WASHER FOR M16
 WASHER FOR M16
 HEX BOLT M16x1.5x60L



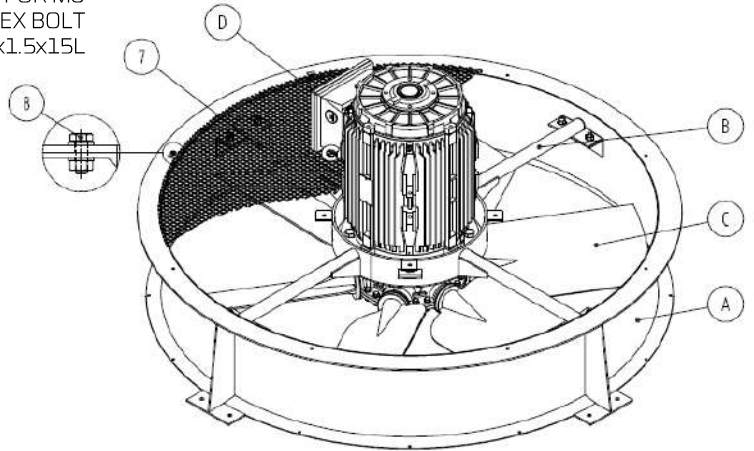
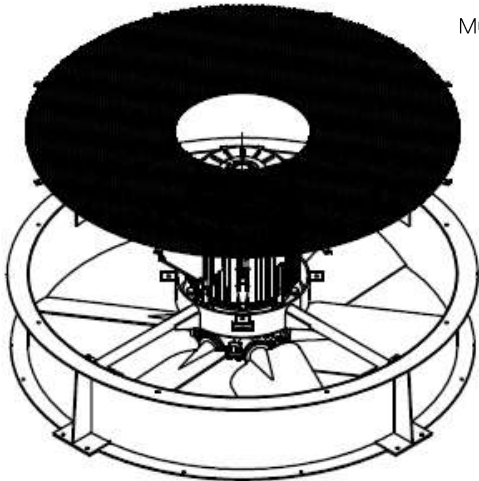
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L



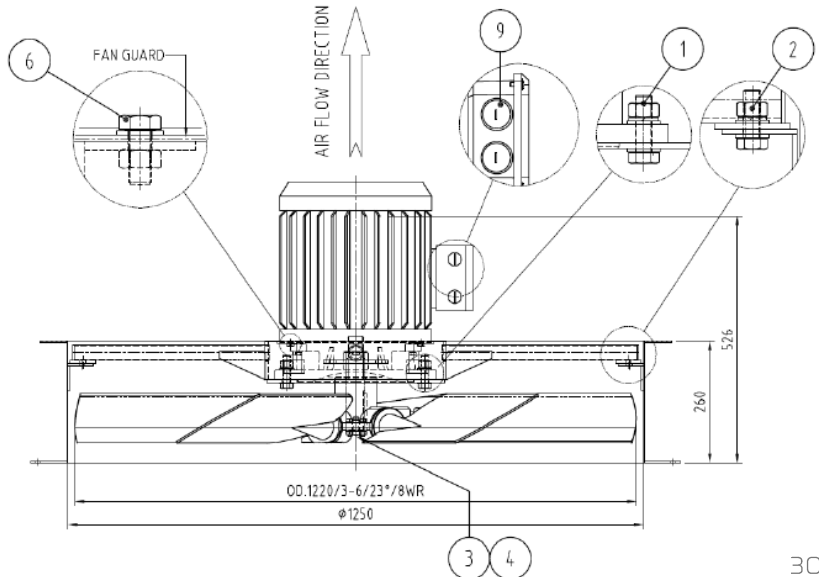
HEX NUT M6
 WASHER FOR M6
 HEX BOLT
 M6x1.5x15L



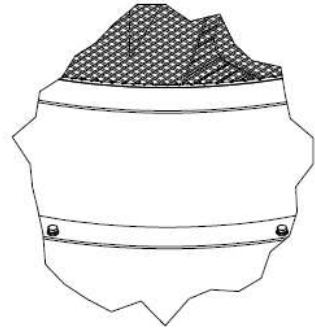
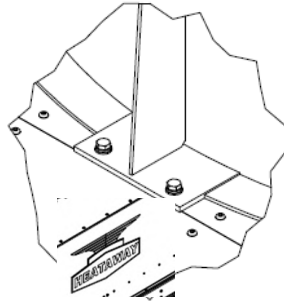
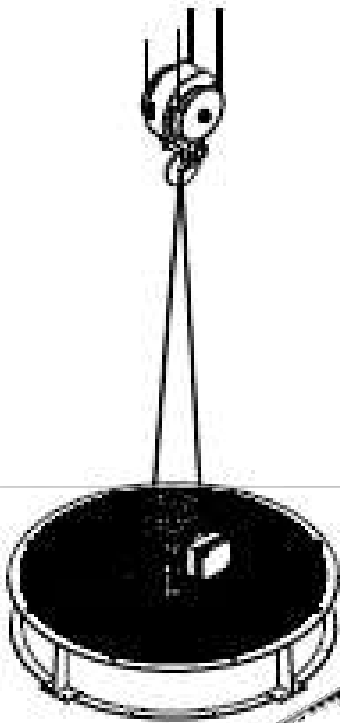
HEX NUT M16
 SPRING WASHER FOR M16
 WASHER FOR M16
 HEX BOLT M16x1.5x60L

HEX NUT M10
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX BOLT M10x1.5x30L

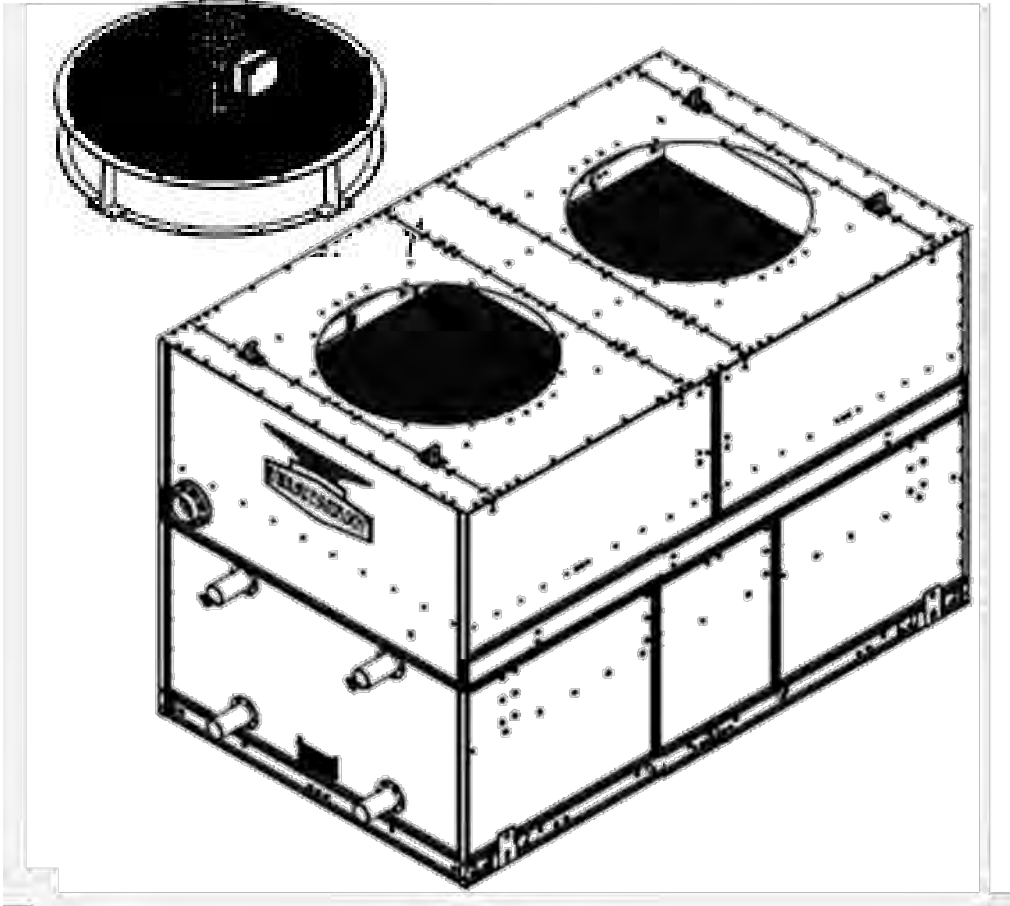
HEX NUT M8
 WASHER FOR M8
 HEX BOLT
 M8x1.5x15L



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

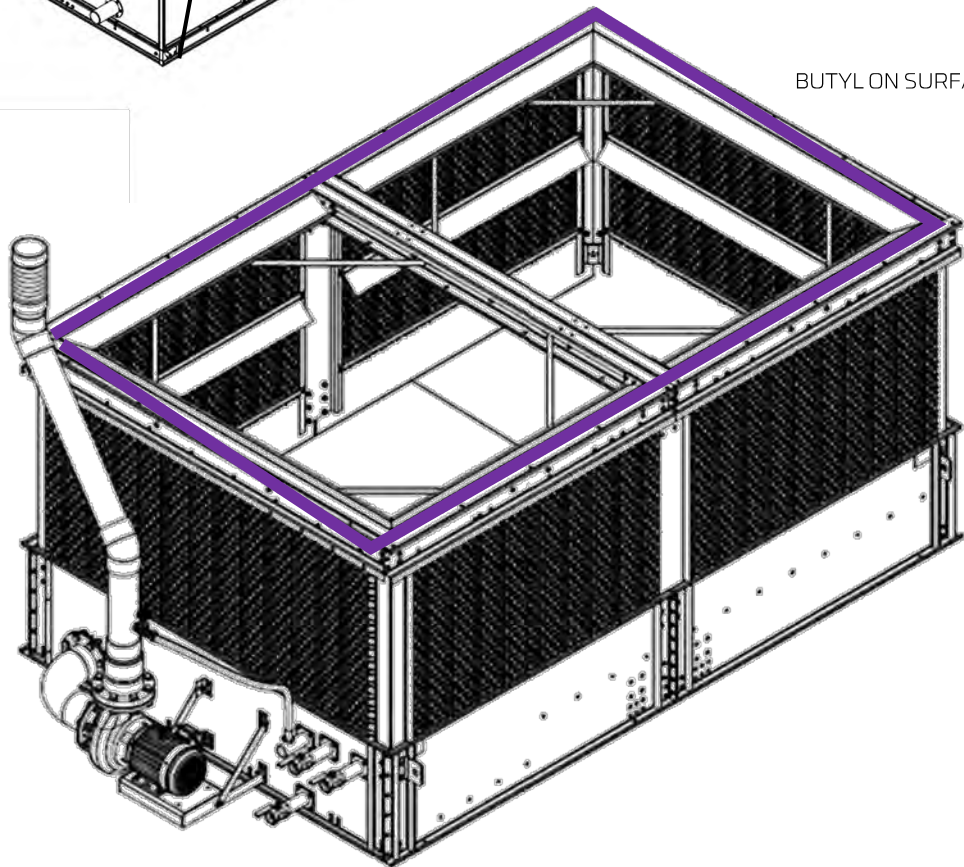
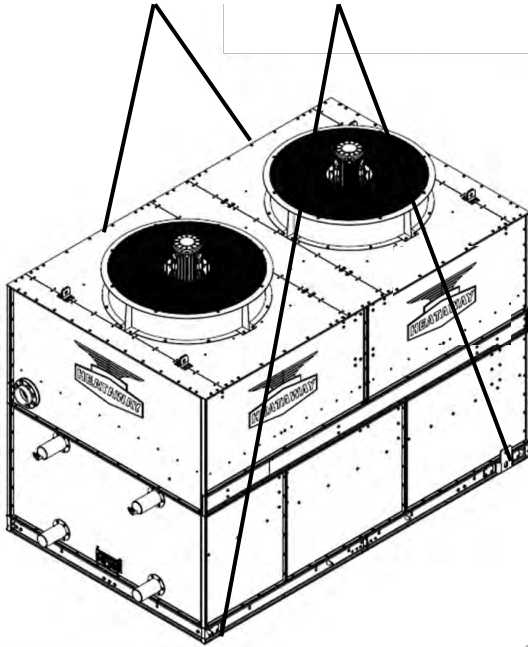


HEX BOLT
M8x1.25x35L
WASHER SPRING M8
WASHER M8



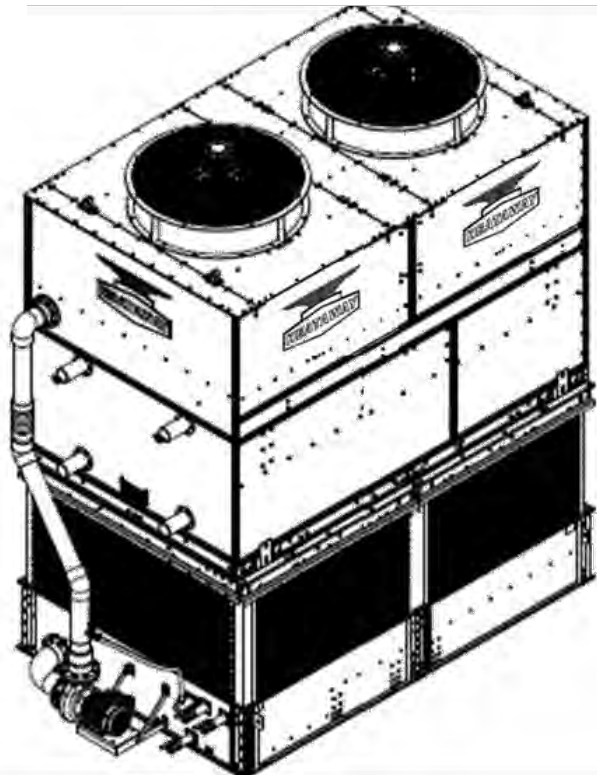
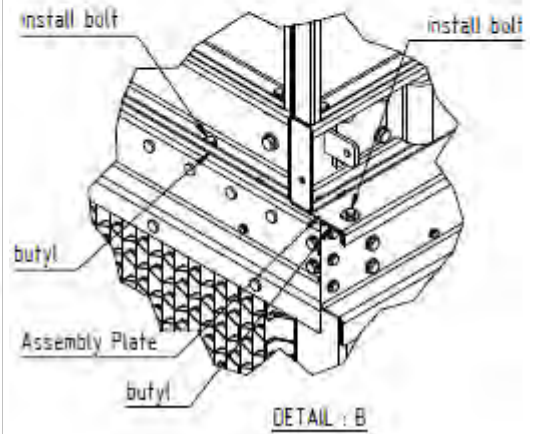
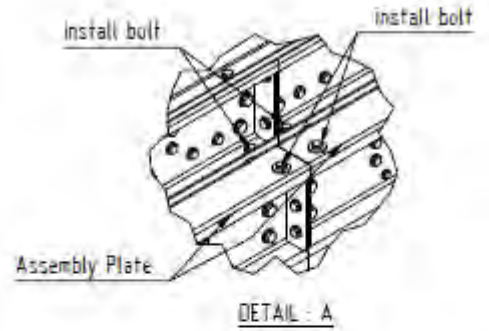
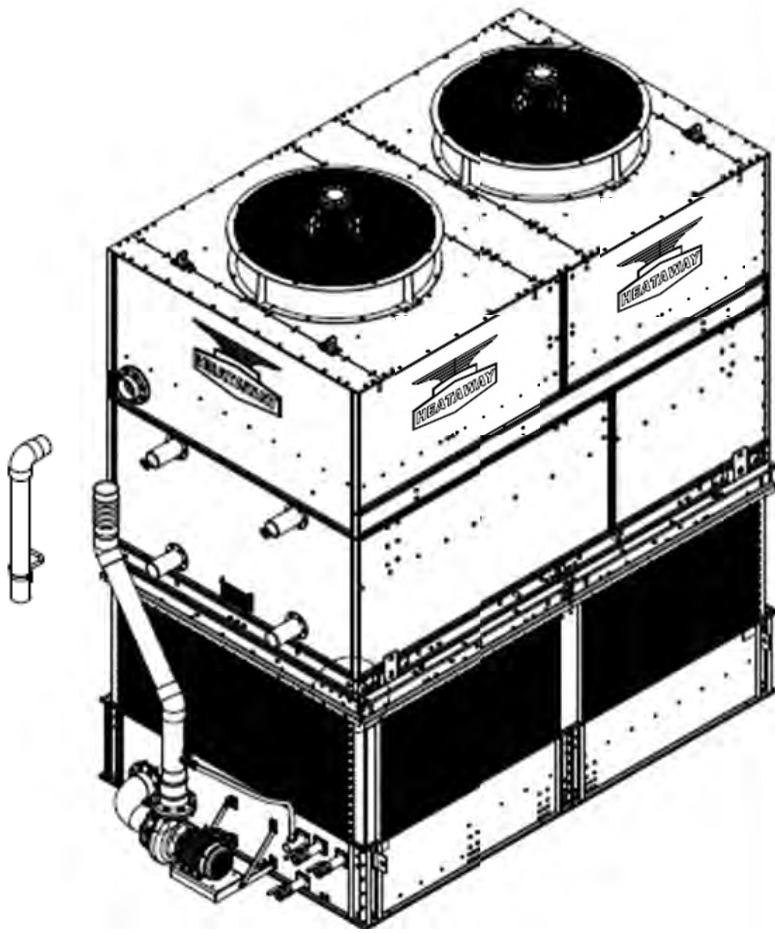
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

Footprint

8' X 18'

Model

EC9-1300-0818C-S

EC9-1480-0818C-L

EC9-1570-0818C-S

EC9-1630-0818C-M

EC9-1760-0818C-S

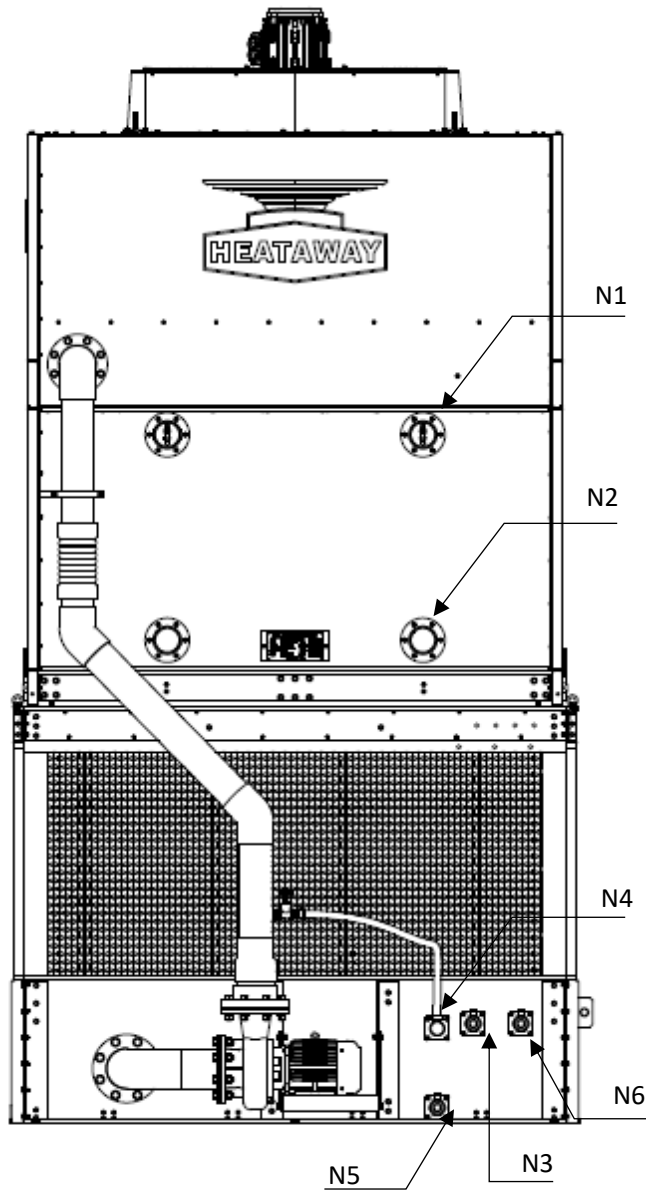
EC9-1850-0818C-M

EC9-1940-0818C-M

EC9-2070-0818C-L

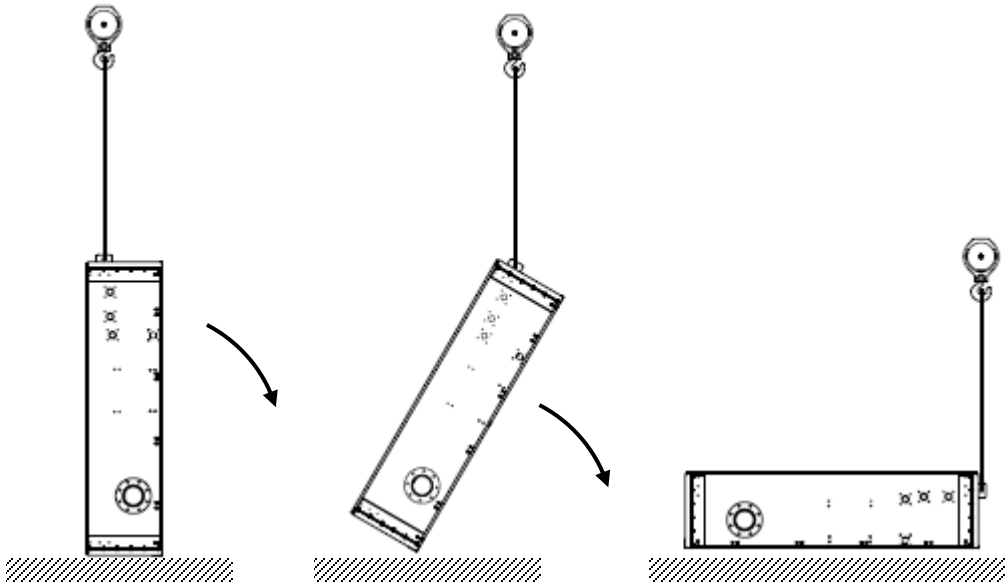
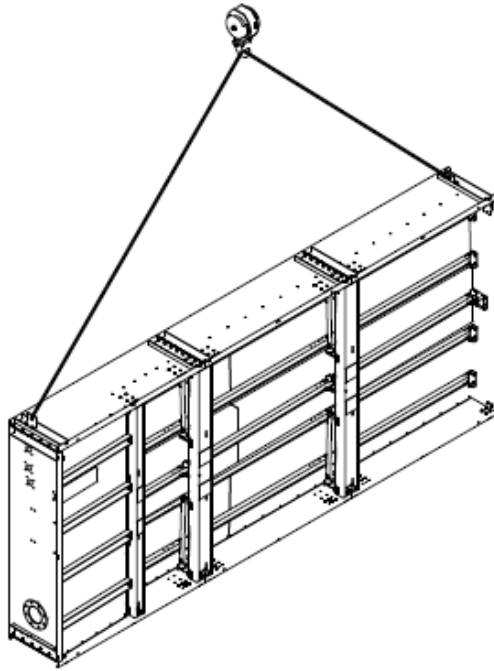
EC9-2120-0818C-L





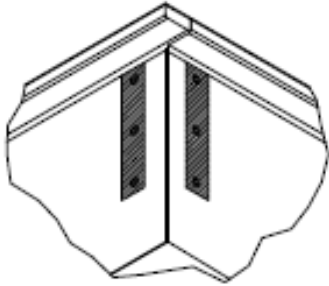
PIPING CONNECTION					
MARK	DESCRIPTION	Q'TY	SIZE	THREAD	VALVE
N1	REFRIGERANT INLET	2	4"	-	-
N2	REFRIGERANT OUTLET	2	4"	-	-
N3	MAKE UP WATER	1	2"	BSPT(F)	BALL VALVE
N4	OVER FLOW	1	2"	BSPT(M)	-
N5	DRAIN	1	2"	BSPT(F)	BALL VALVE
N6	QUICK REFILL	1	2"	BSPT(F)	BALL VALVE

Step 1: Basin Assembly

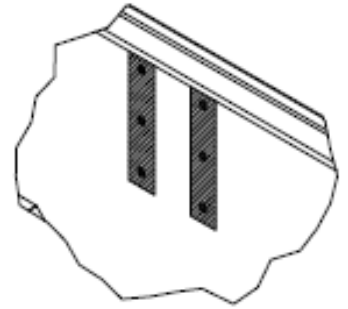


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

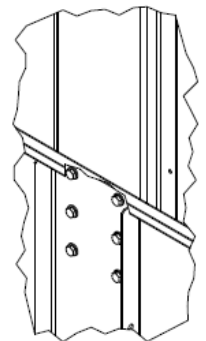
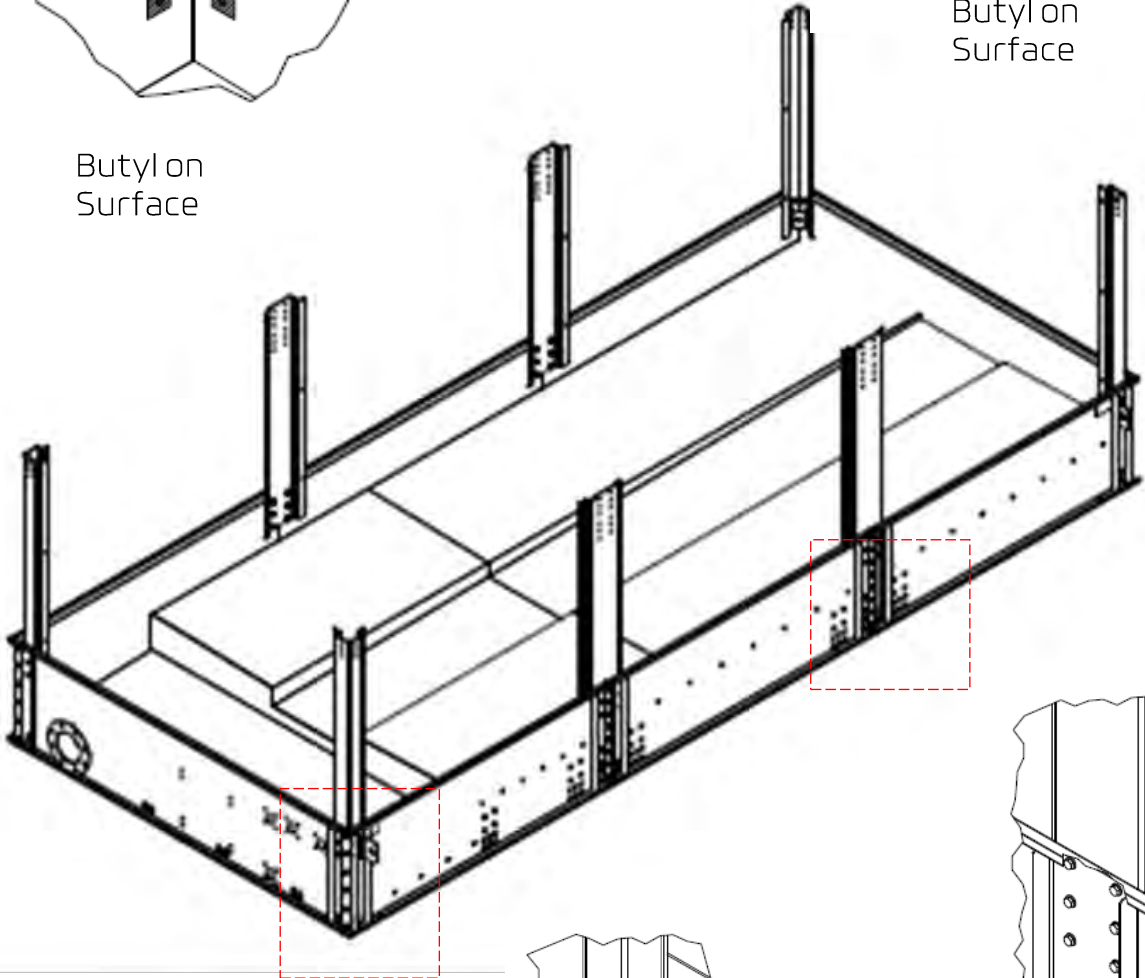
Step 2 : Support Frame Assembly



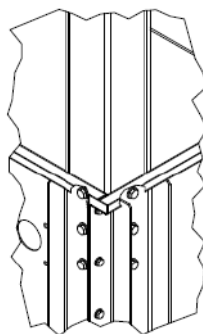
Butyl on Surface



Butyl on Surface



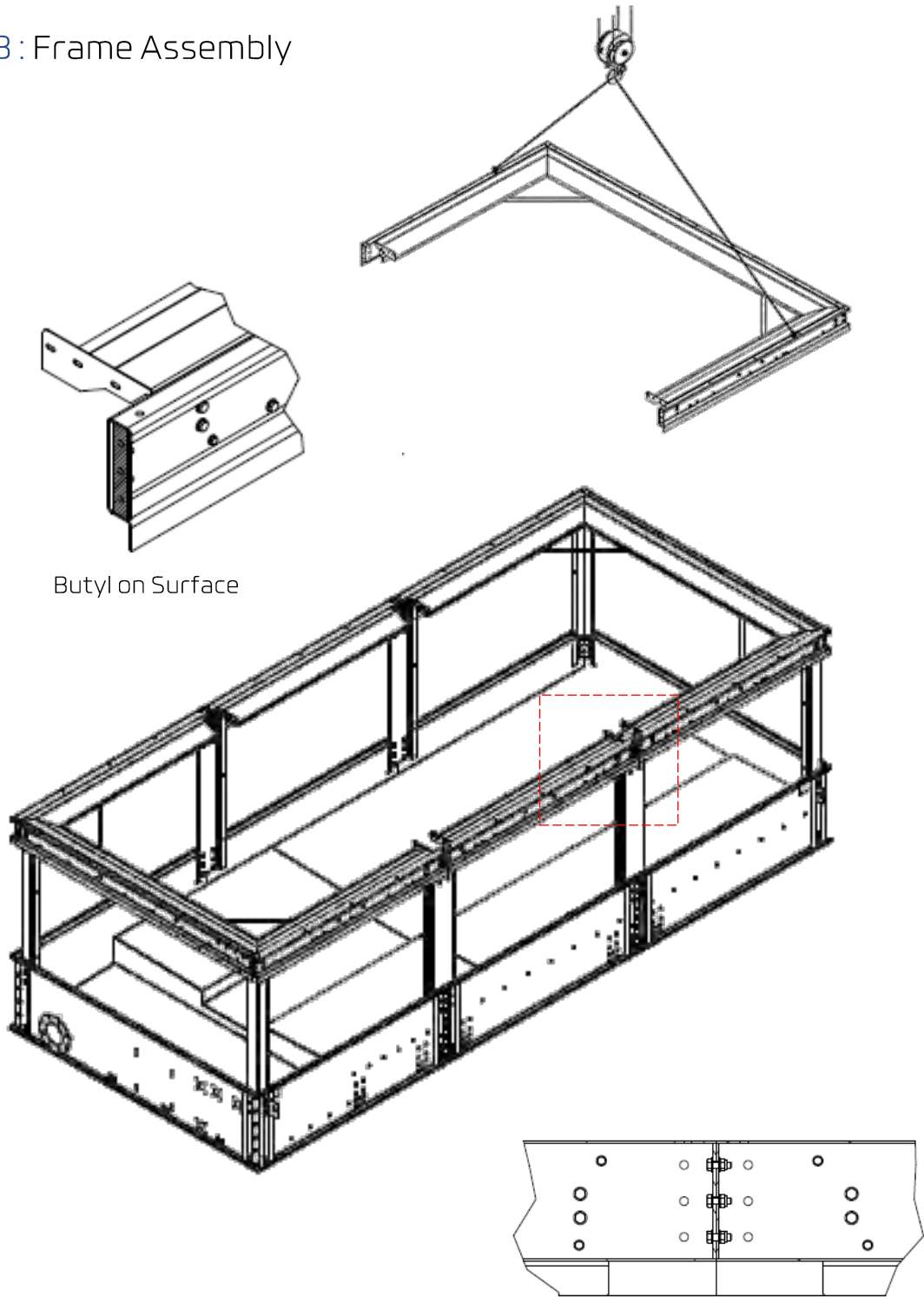
HEX BOLT
M10x1.5x30L
WASHER M10
HEX NUT M10



HEX NUT M10x1.5
SPRING WASHER M10
WASHER M10
HEX BOLT M10x1.5x30L

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

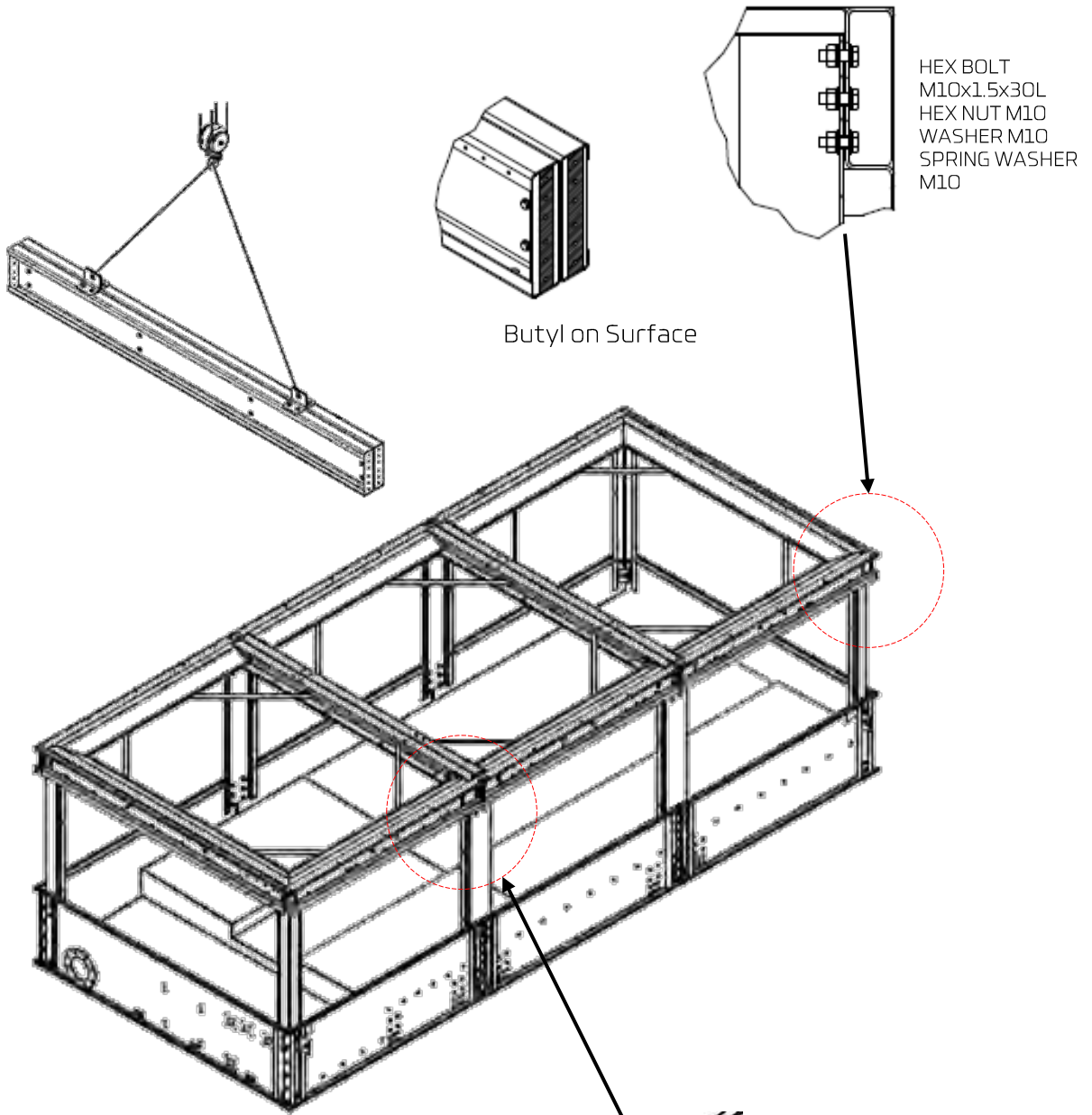
Step 3: Frame Assembly



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

HEX BOLT
 M8x1.25x25L
 WASHER M8
 HEX. LOCK NUT
 M8x1.25

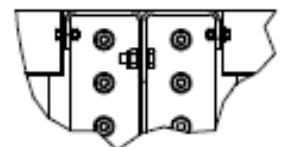
Step 3: Frame Beam Assembly



- HEX BOLT M10x1.5x30L
- HEX NUT M10
- WASHER M10
- SPRING WASHER M10

Butyl on Surface

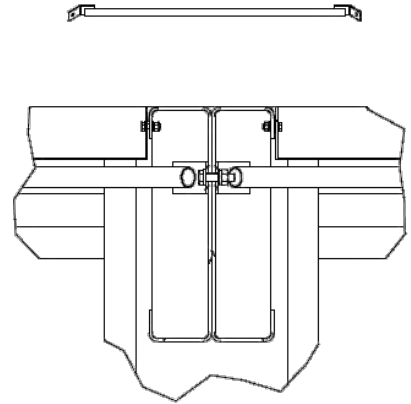
Silicone



- HEX BOLT M6x1.25x20L
- HEX LOCK NUT M6x1.25
- WASHER M6
- SPRING WASHER M6

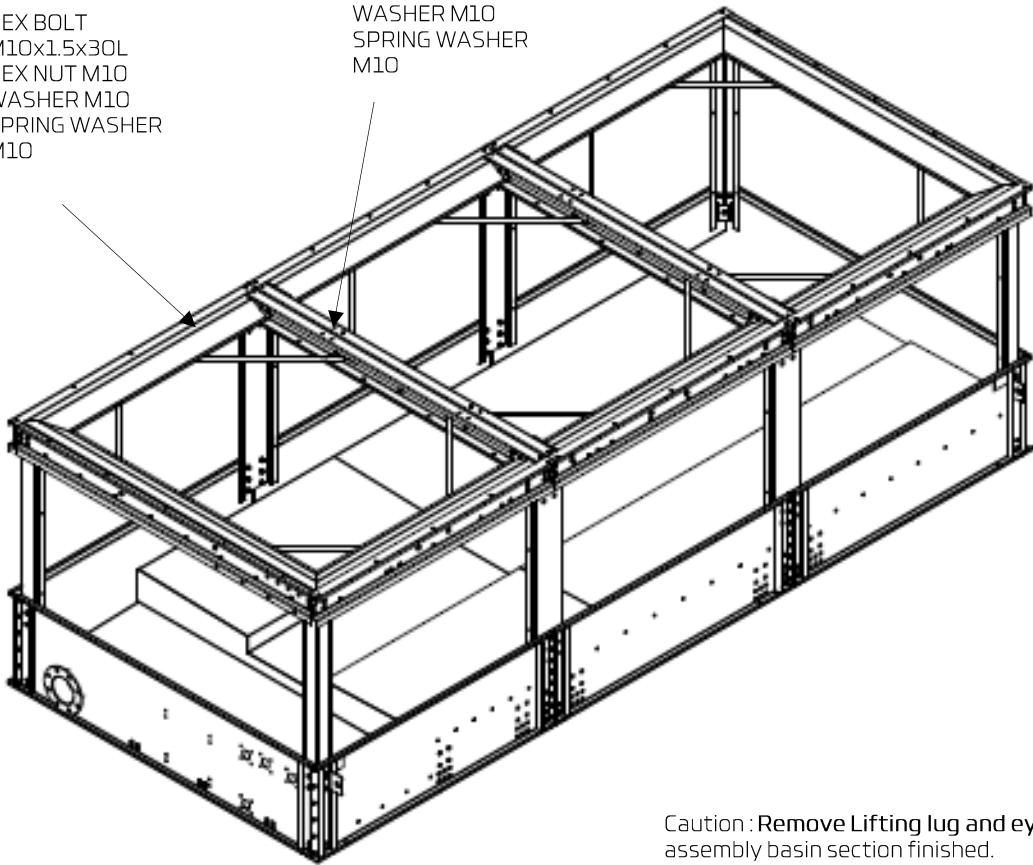
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 4: Support Frame Assembly

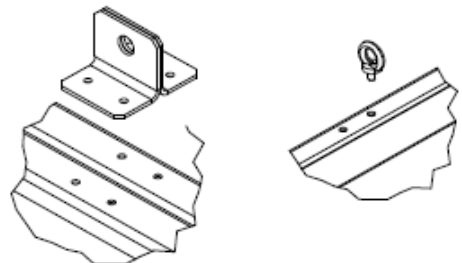


HEX BOLT
M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER
M10

HEX BOLT
M10x1.5x40L
HEX NUT M10
WASHER M10
SPRING WASHER
M10

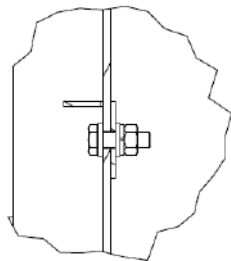
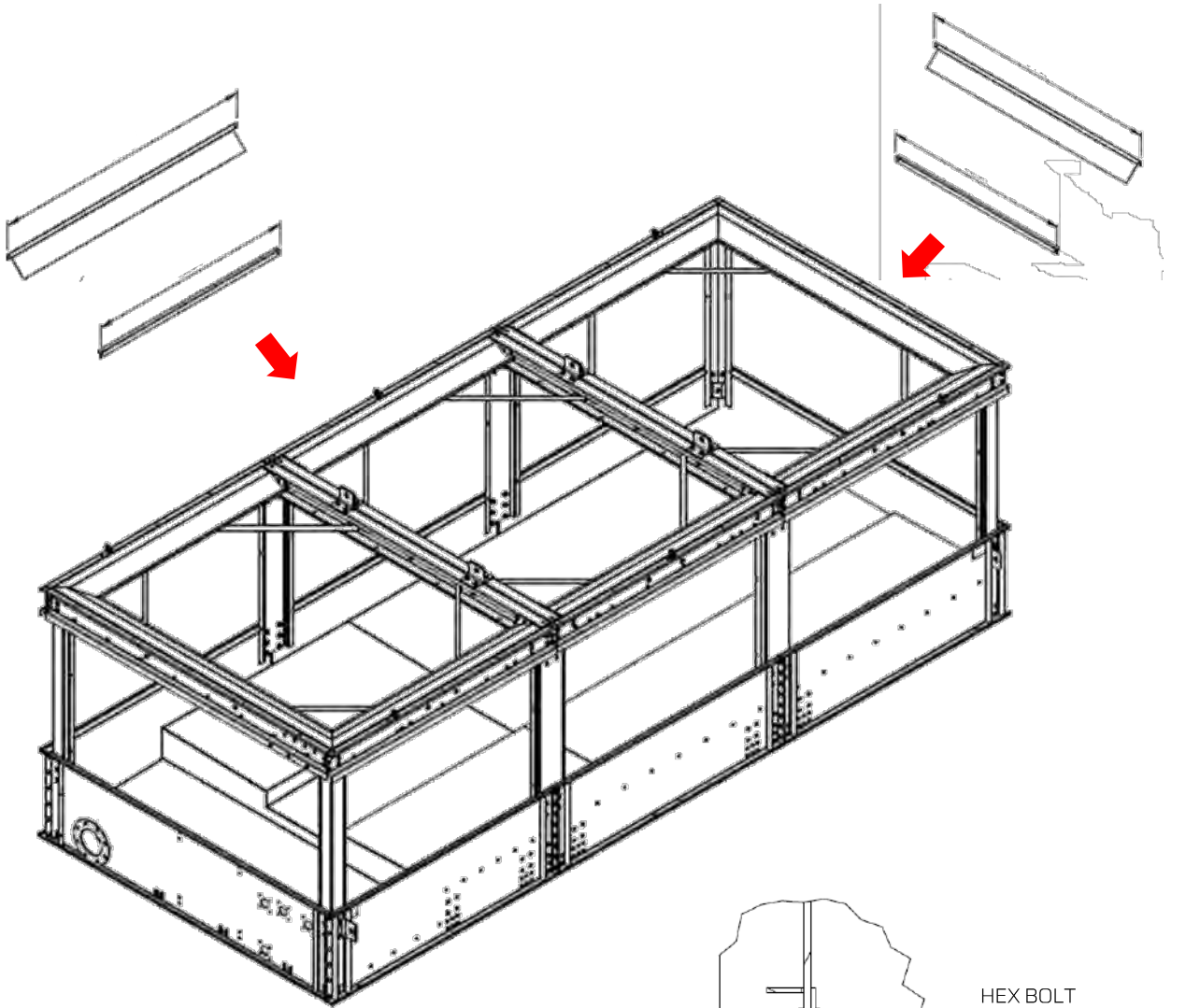


Caution : Remove Lifting lug and eye bolt after assembly basin section finished.

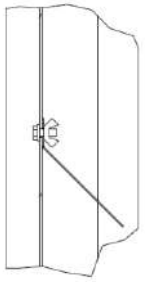


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 5: Water Deflect Assembly



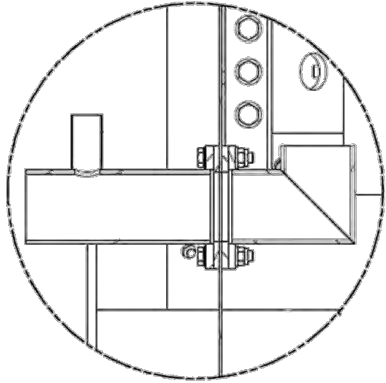
HEX BOLT
M6x1.25x20L
HEX LOCK NUT
M6x1.25
WASHER M6
SPRING WASHER M6



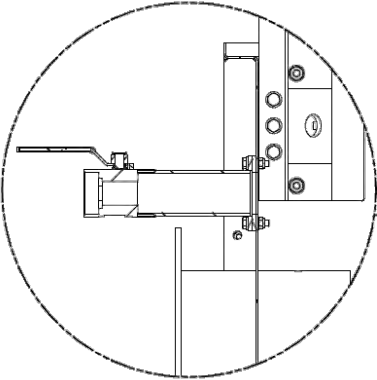
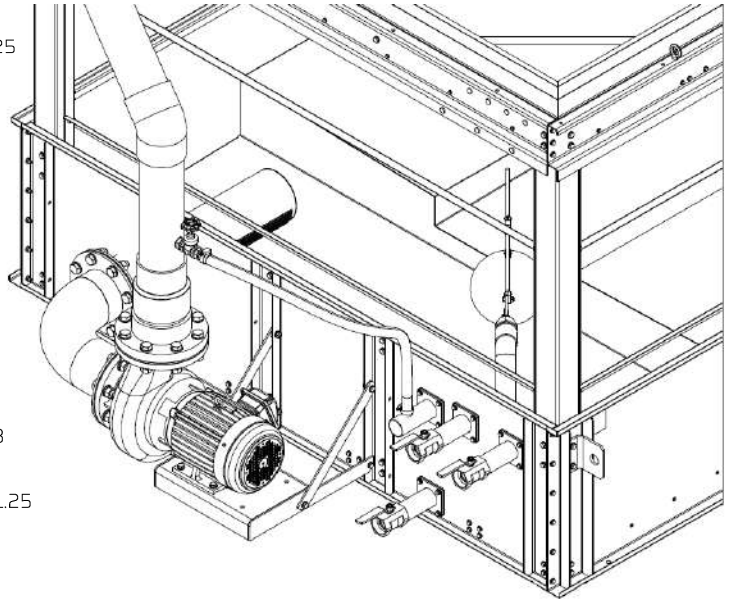
HEX BOLT
M8x1.25x20L
WING NUT M8
WASHER M8

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

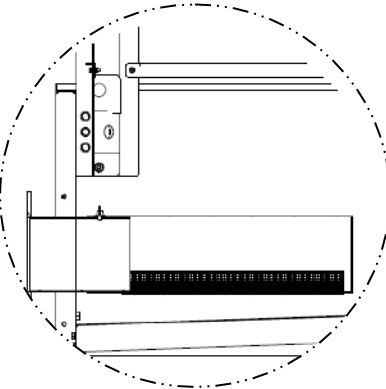
Step 6 : Piping and Valve Assembly



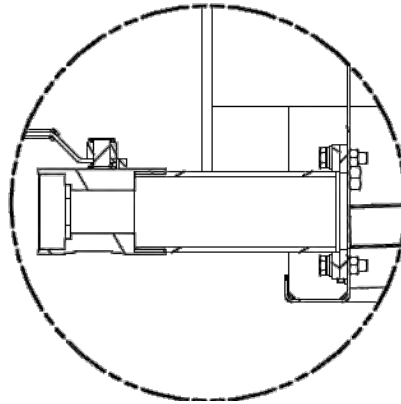
PIPE OVER FLOW
BOLT M8x1.25x40L
NR GASKET
WASHER FOR M8
HEX.LOCK NUT M8X1.25



BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25



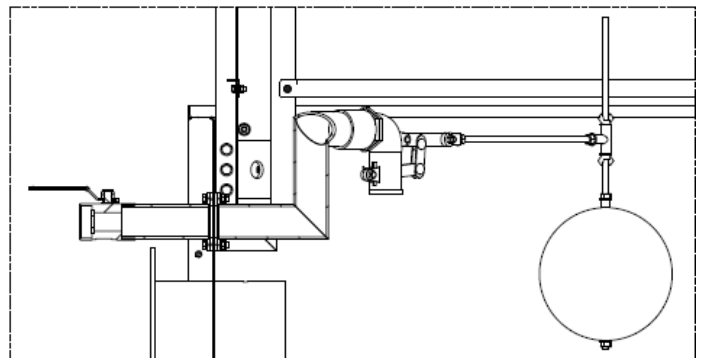
PIPE WITH STRAINER
WING SCREW - M8 x 12
WASHER



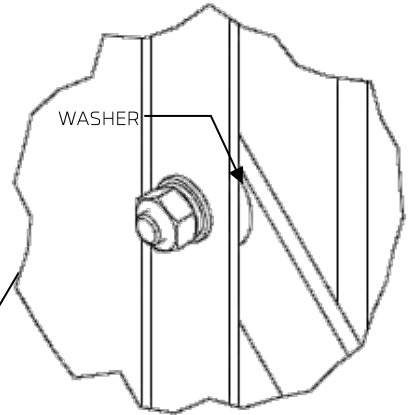
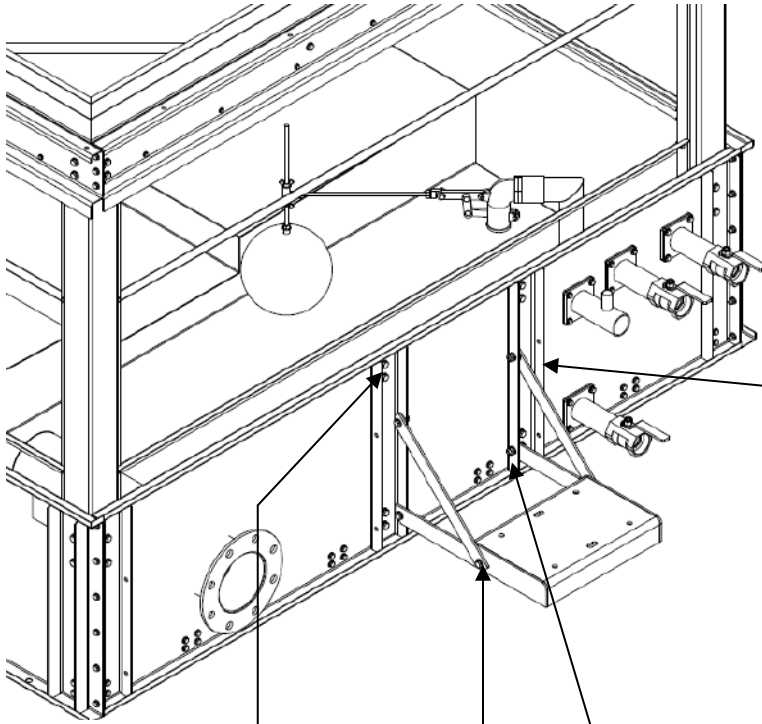
BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

BALL VALVE
FLOAT VALVE
WASHER FOR M8
NR GASKET
PIPE MAKE UP WATER 2"
FLOAT VALVE
BOLT M8x1.25x30L
SPRING WASHER M8
HEX.LOCK NUT M8X1.25

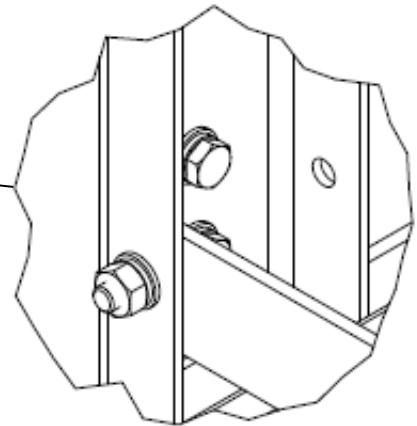


Step 7: Water Pump Base Assembly

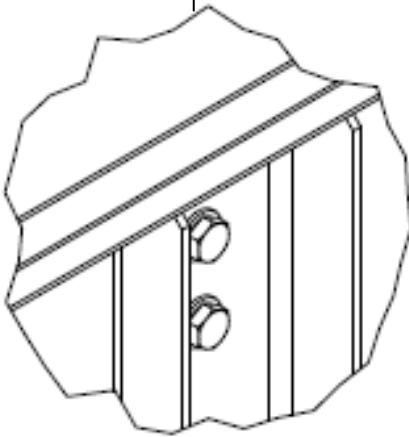


WASHER

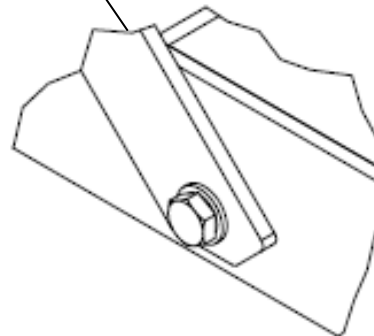
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



HEX.BOLT M10x1.5x30L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



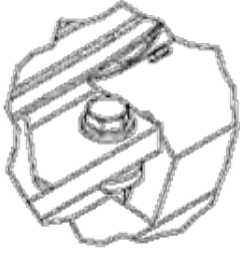
HEX.BOLT M10x1.5x25L
WASHER FOR M10
HEX.NUT LOCK M10x1.5



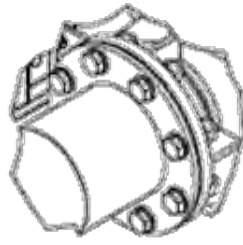
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

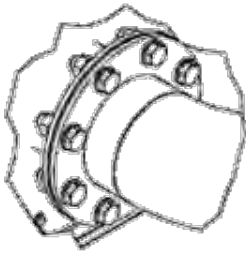
Step 8: Water Pump pipe Assembly



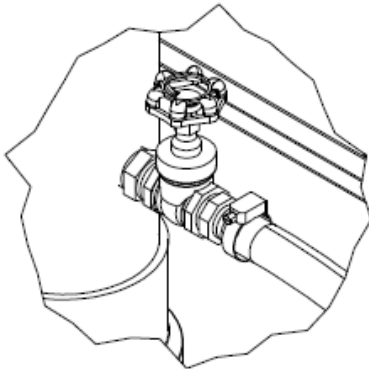
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



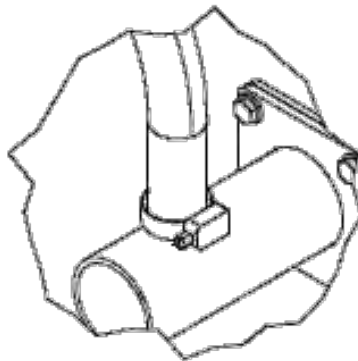
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L



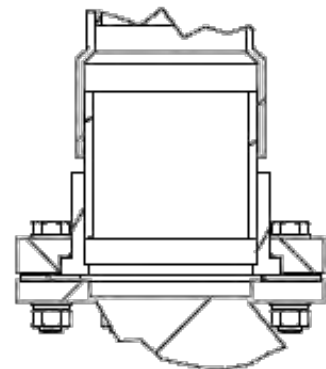
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



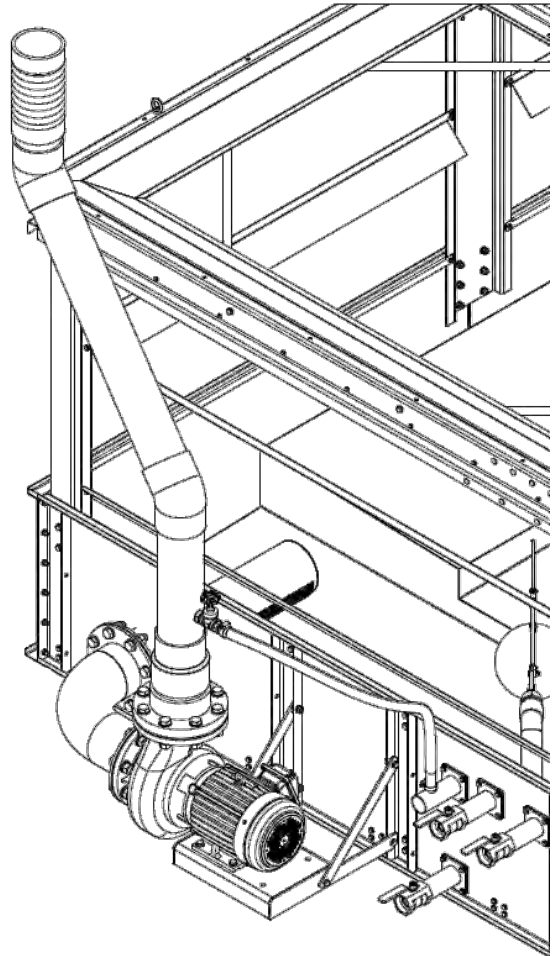
HOSE CLAMP 1"
 TEXTILE HOSE 1"



HOSE CLAMP 1"
 TEXTILE HOSE 1"

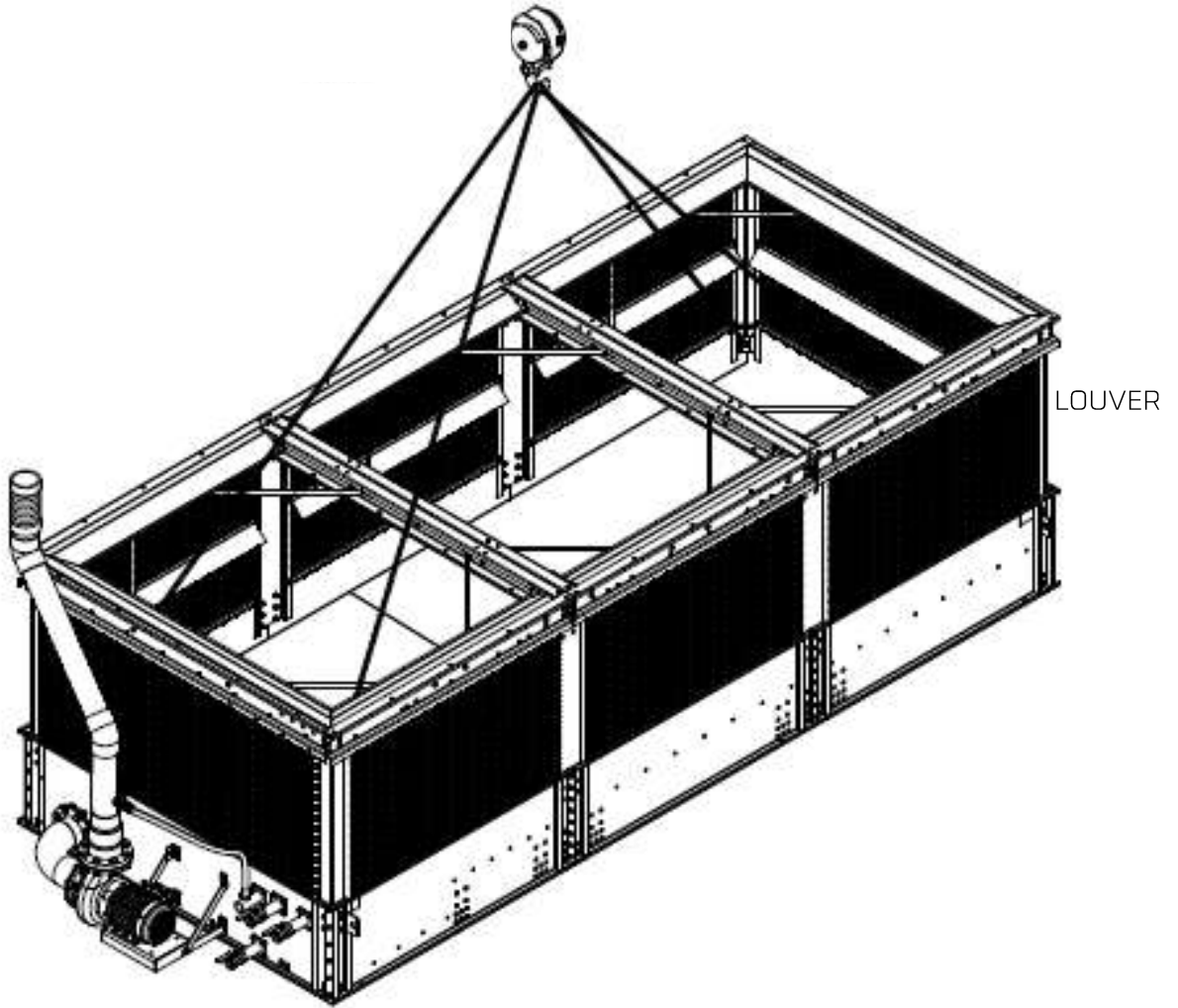


HEX BOLT M20x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20



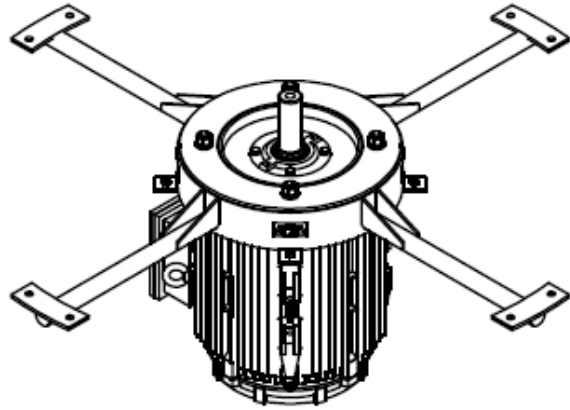
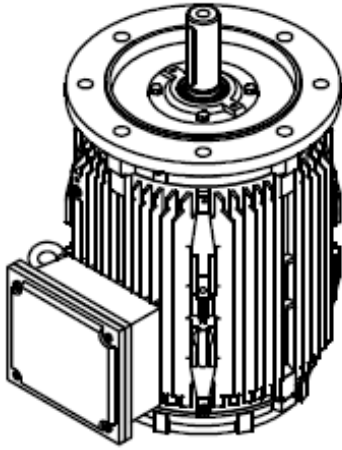
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 9: Move Assembled Basin to Position

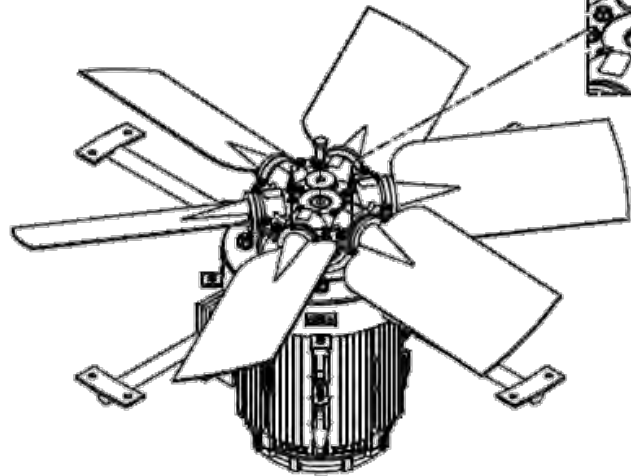
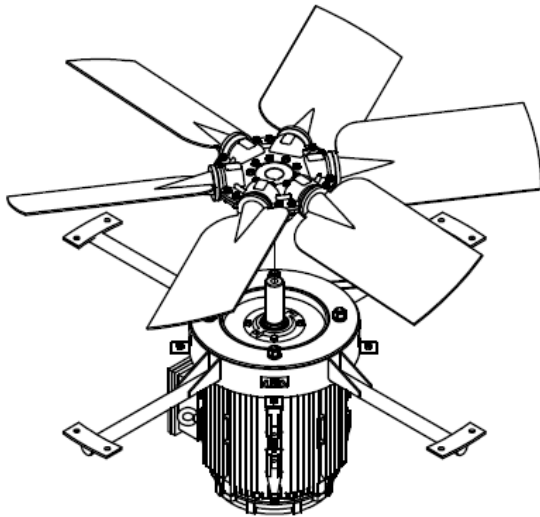
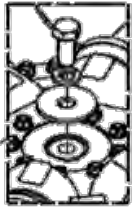


TIGHTENING TORQUE (A2-70)

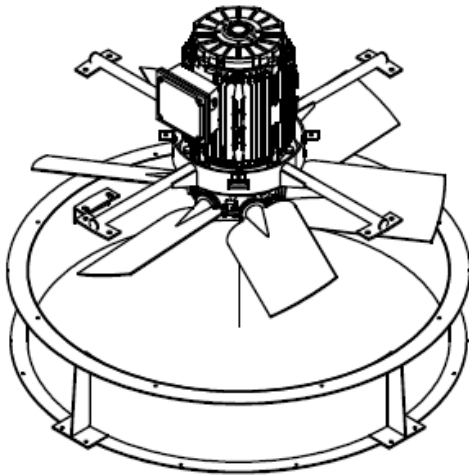
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



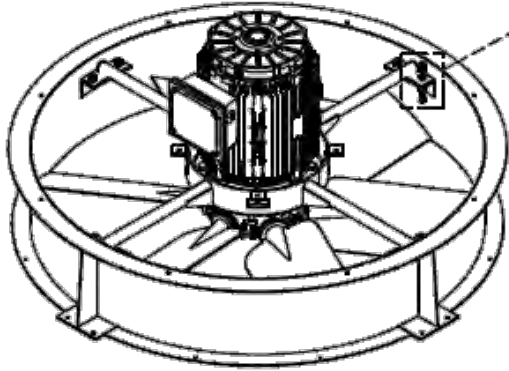
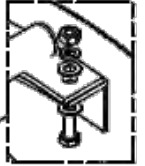
HEX NUT M16
 SPRING WASHER FOR M16
 WASHER FOR M16
 HEX BOLT M16x1.5x60L



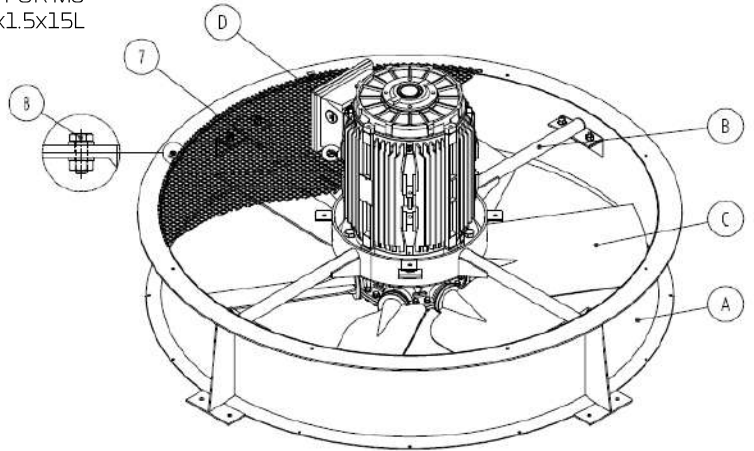
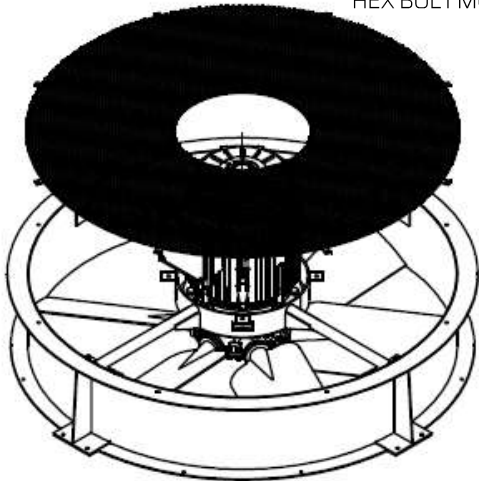
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



HEX NUT M10
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX BOLT M10x1.5x30L



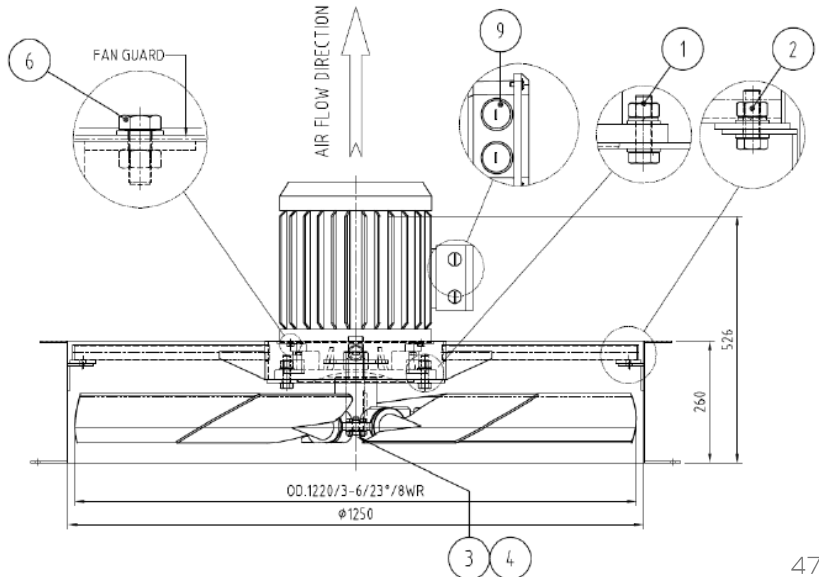
HEX NUT M6
 WASHER FOR M6
 HEX BOLT M6x1.5x15L



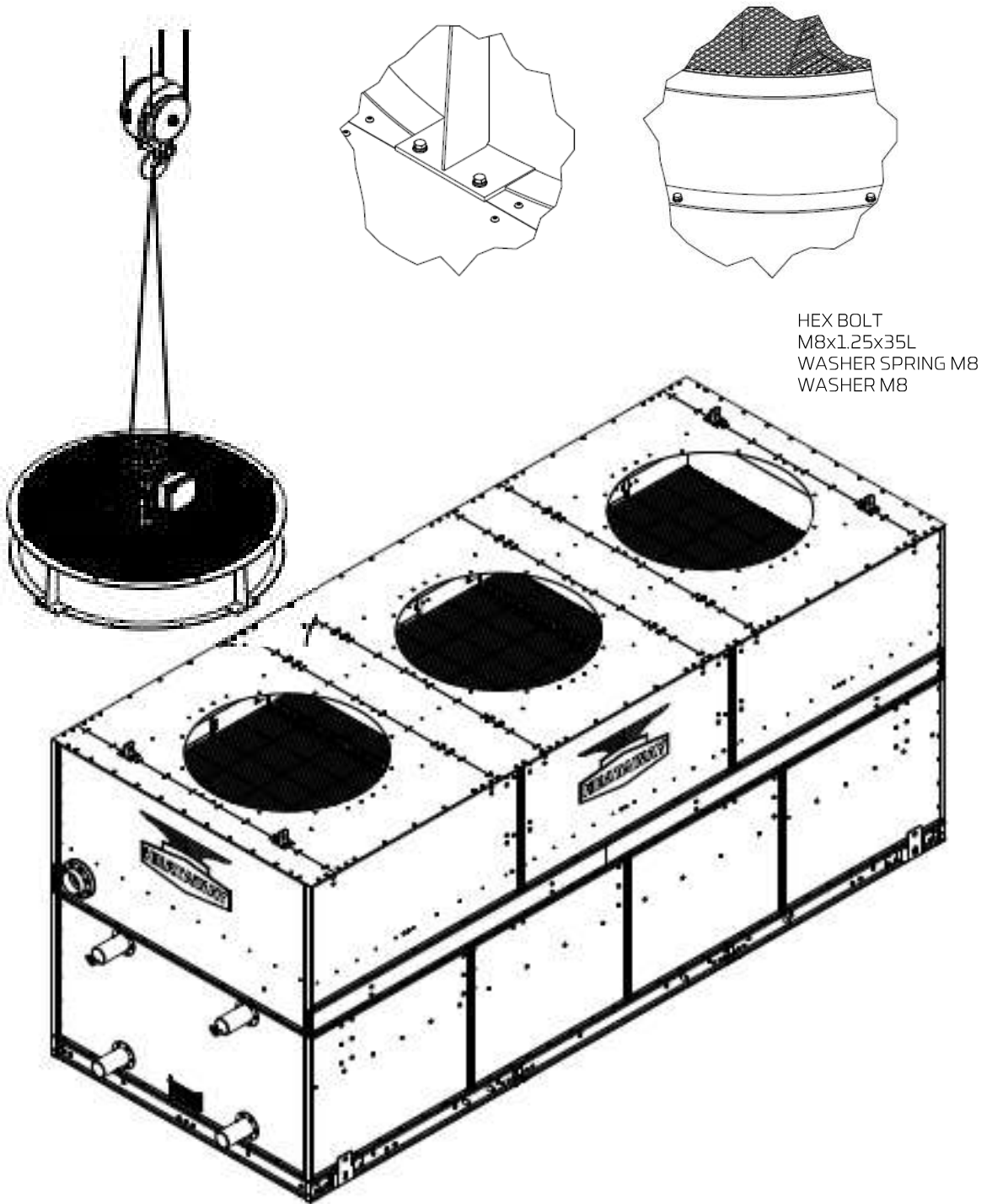
HEX NUT M16
 SPRING WASHER FOR M16
 WASHER FOR M16
 HEX BOLT M16x1.5x60L

HEX NUT M10
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX BOLT M10x1.5x30L

HEX NUT M8
 WASHER FOR M8
 HEX BOLT M8x1.5x15L



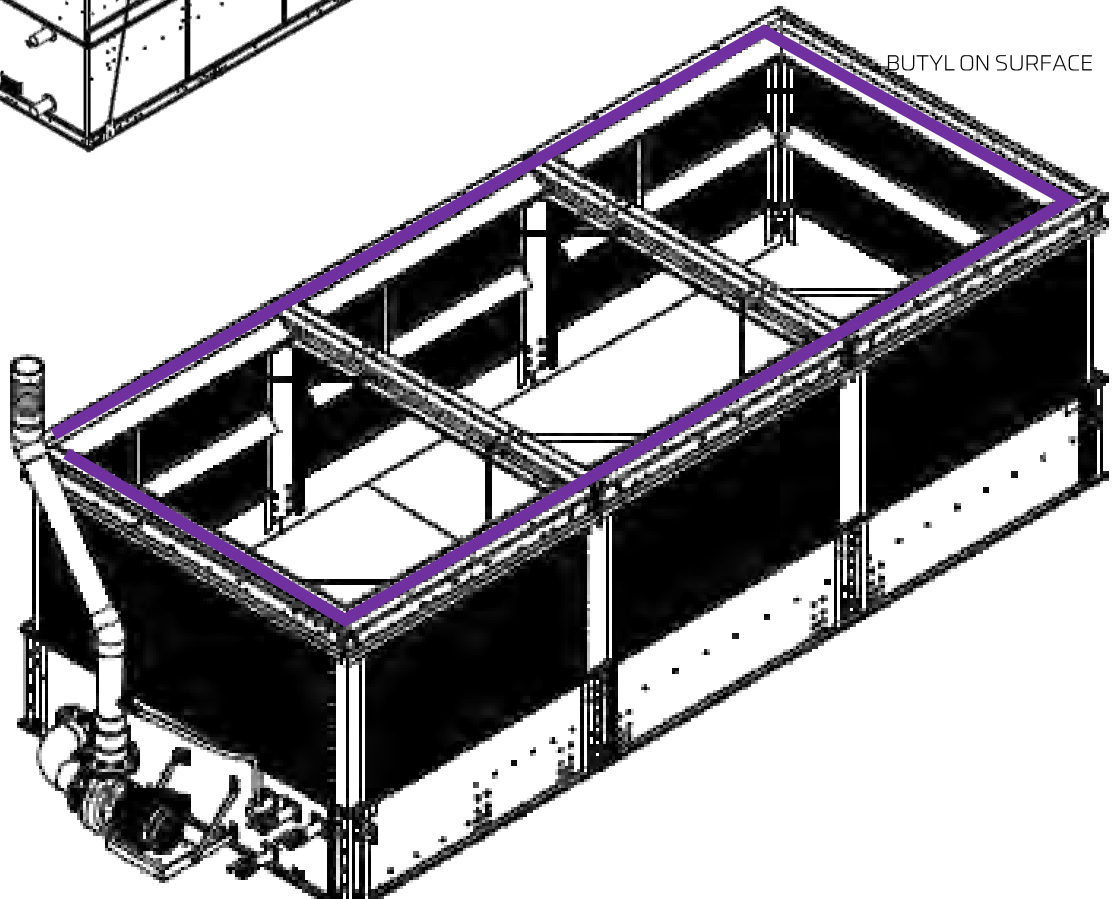
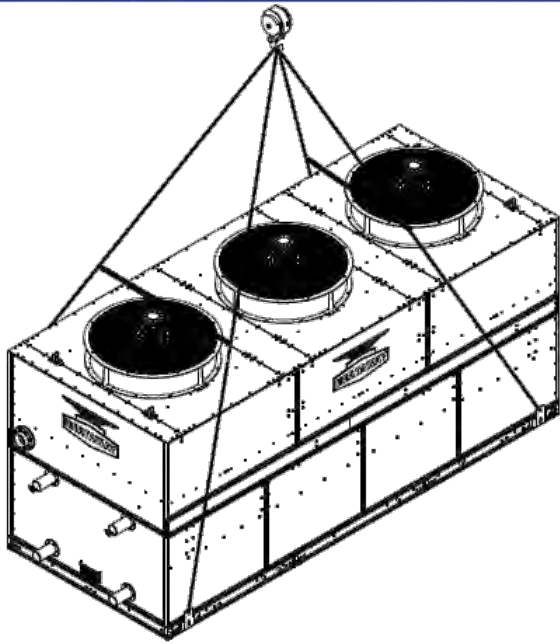
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



HEX BOLT
 M8x1.25x35L
 WASHER SPRING M8
 WASHER M8

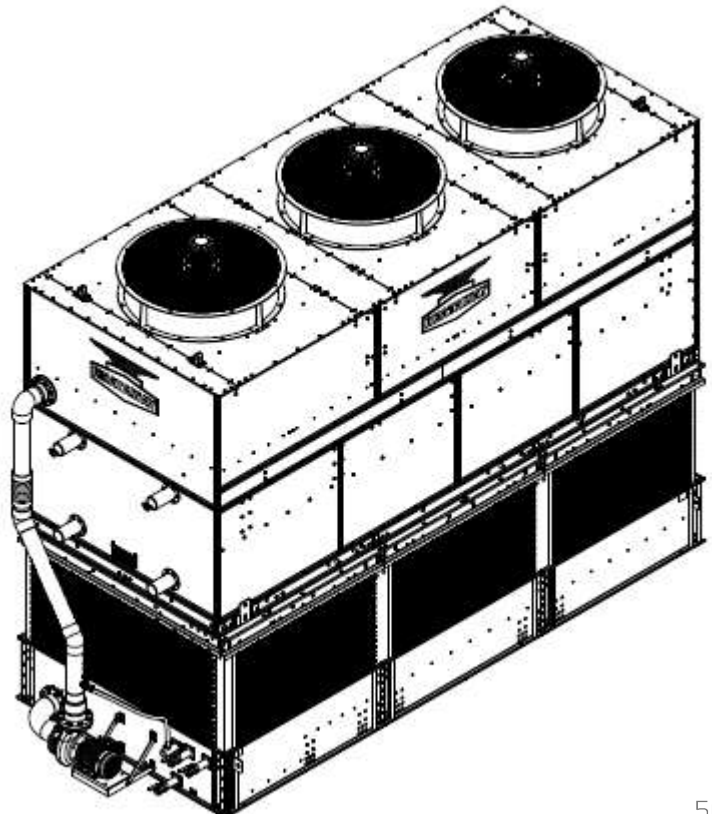
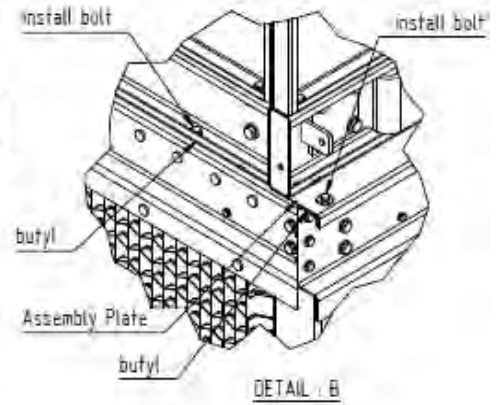
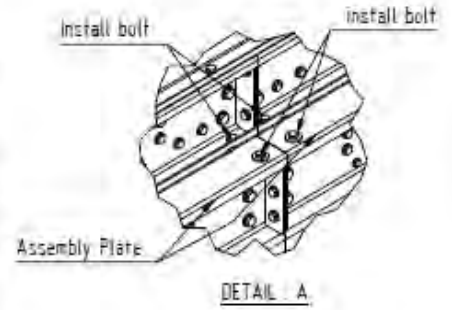
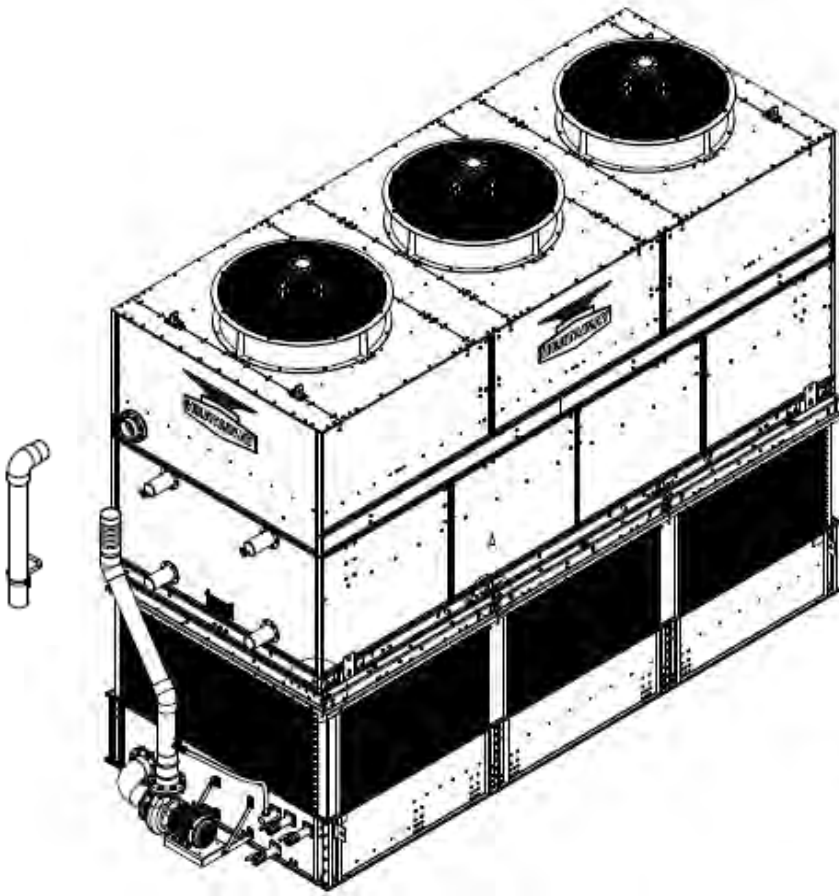
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

Footprint

10' X 12'

Model

EC9-1400-1012C-S

EC9-1550-1012C-M

EC9-1645-1012C-L

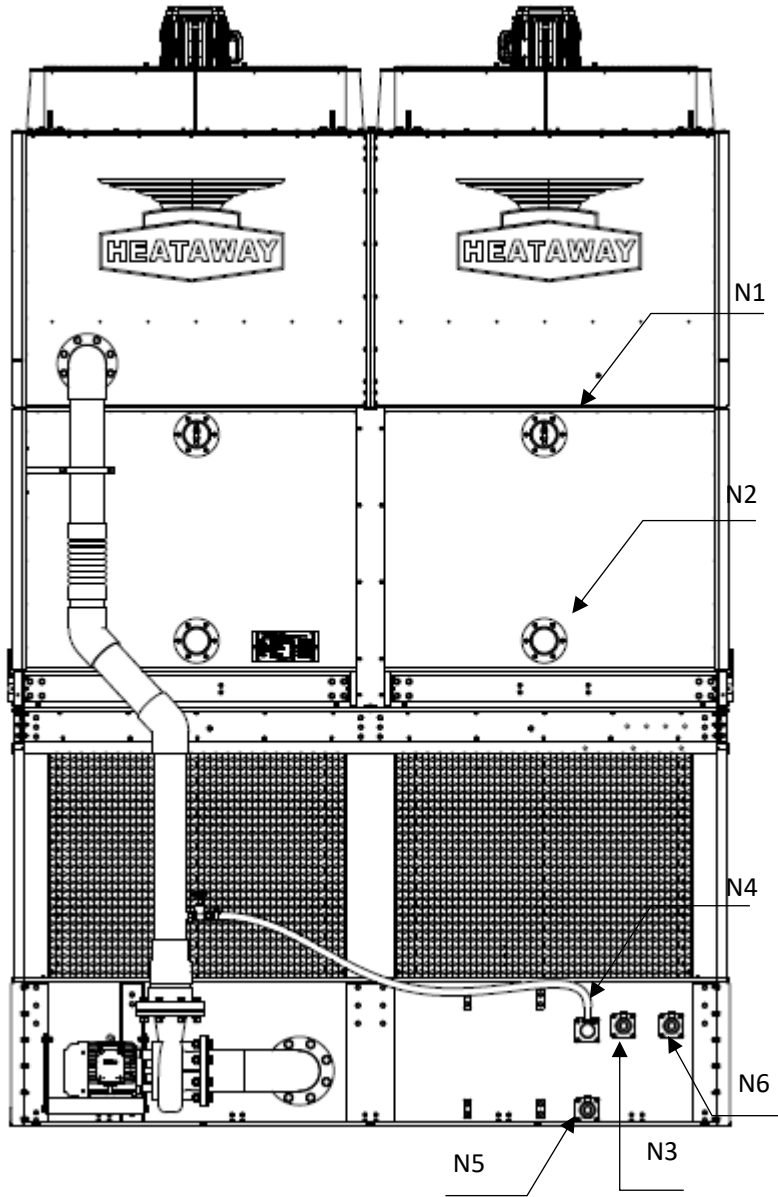
EC9-1790-1012C-M

EC9-1900-1012C-L

EC9-1960-1012C-M

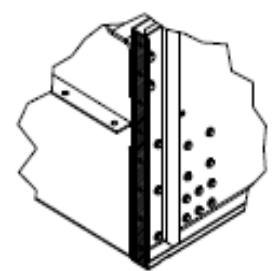
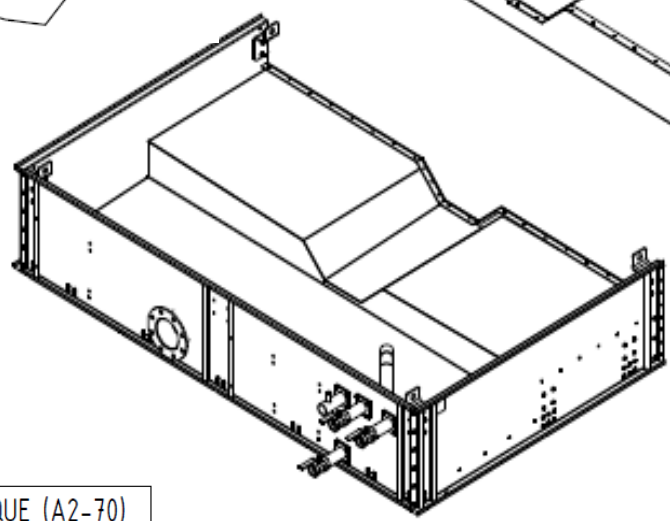
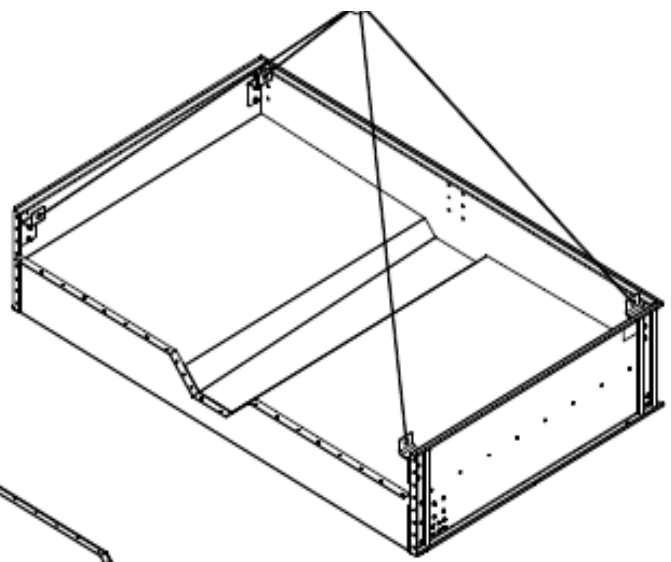
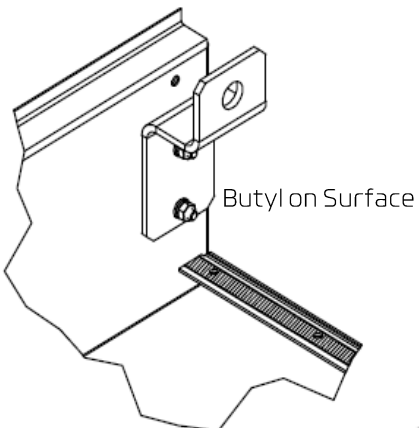
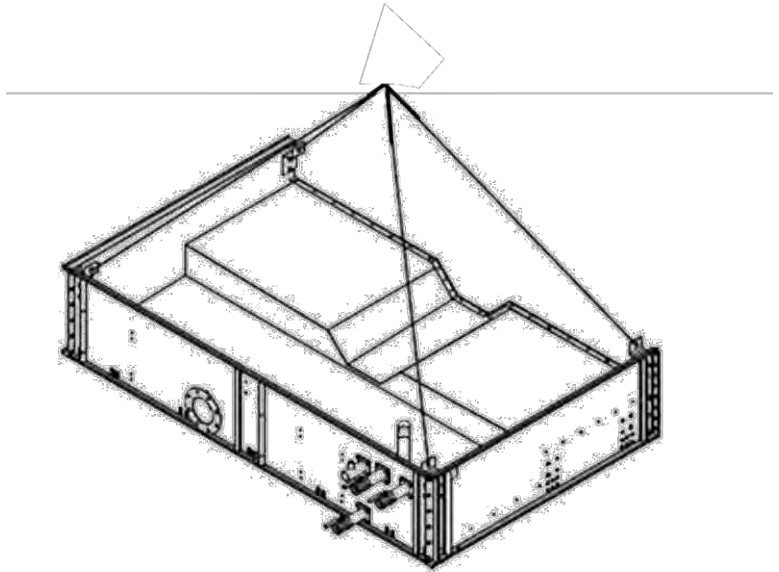
EC9-2050-1012C-L





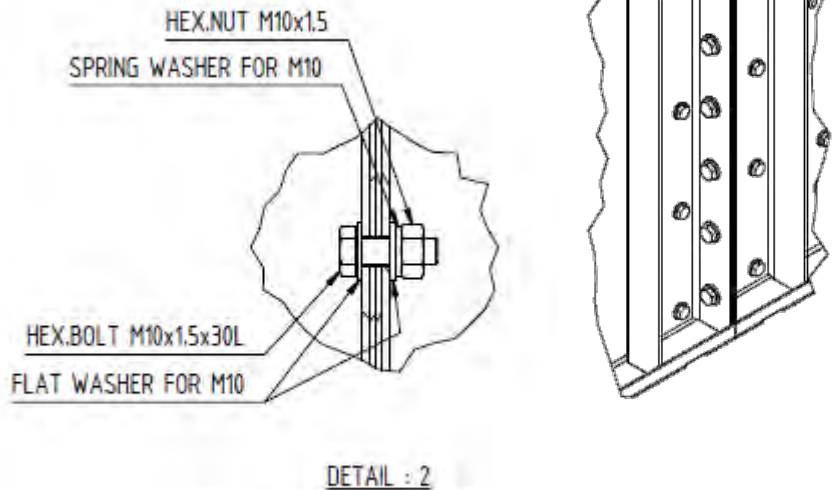
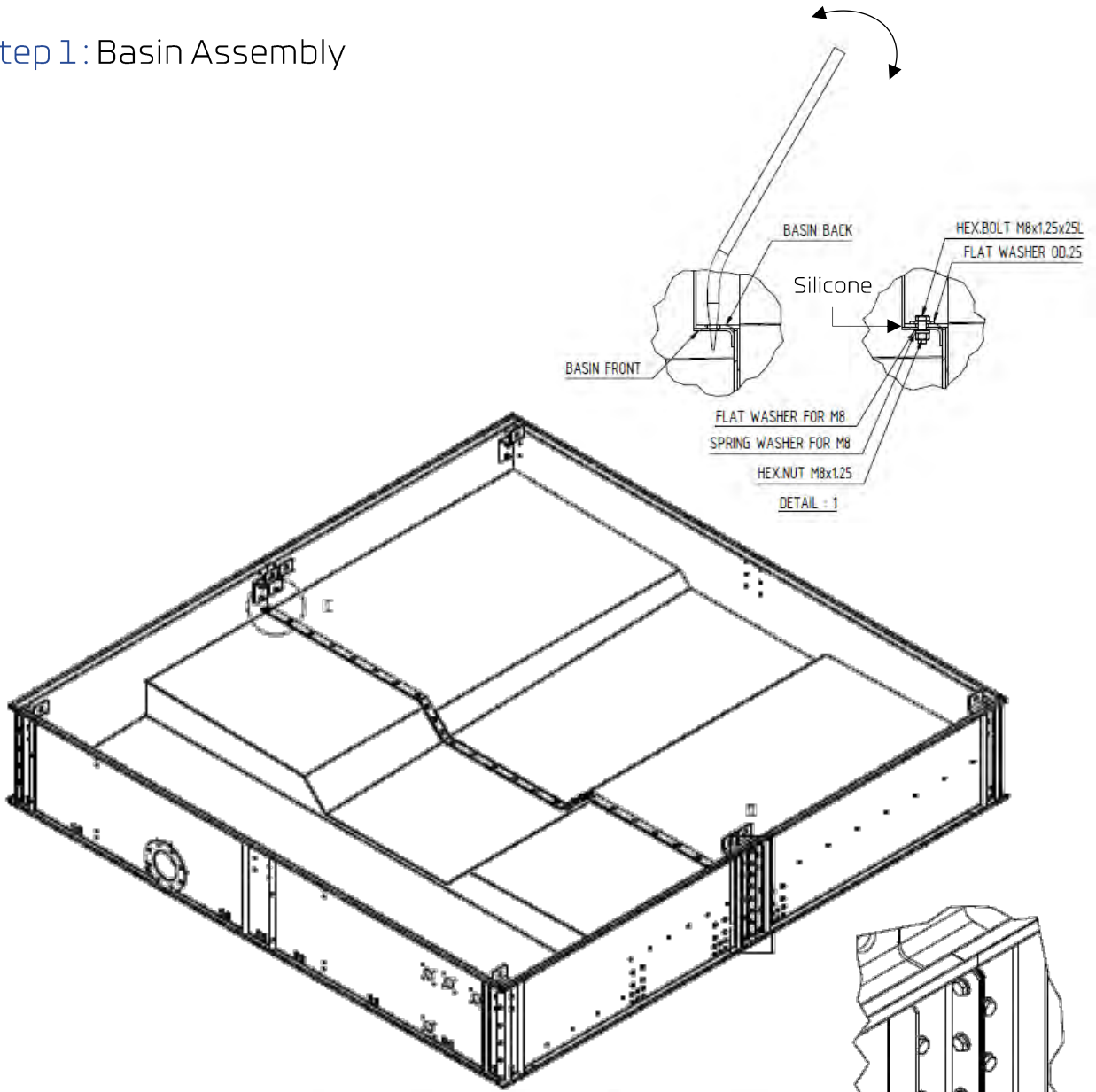
PIPING CONNECTION					
MARK	DESCRIPTION	Q'TY	SIZE	THREAD	VALVE
N1	REFRIGERANT INLET	2	4"	-	-
N2	REFRIGERANT OUTLET	2	4"	-	-
N3	MAKE UP WATER	1	2"	BSPT(F)	BALL VALVE
N4	OVER FLOW	1	2"	BSPT(M)	-
N5	DRAIN	1	2"	BSPT(F)	BALL VALVE
N6	QUICK REFILL	1	2"	BSPT(F)	BALL VALVE

Step 1: Basin Assembly



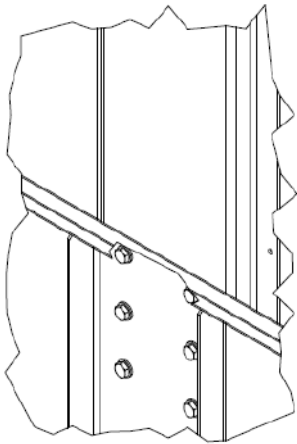
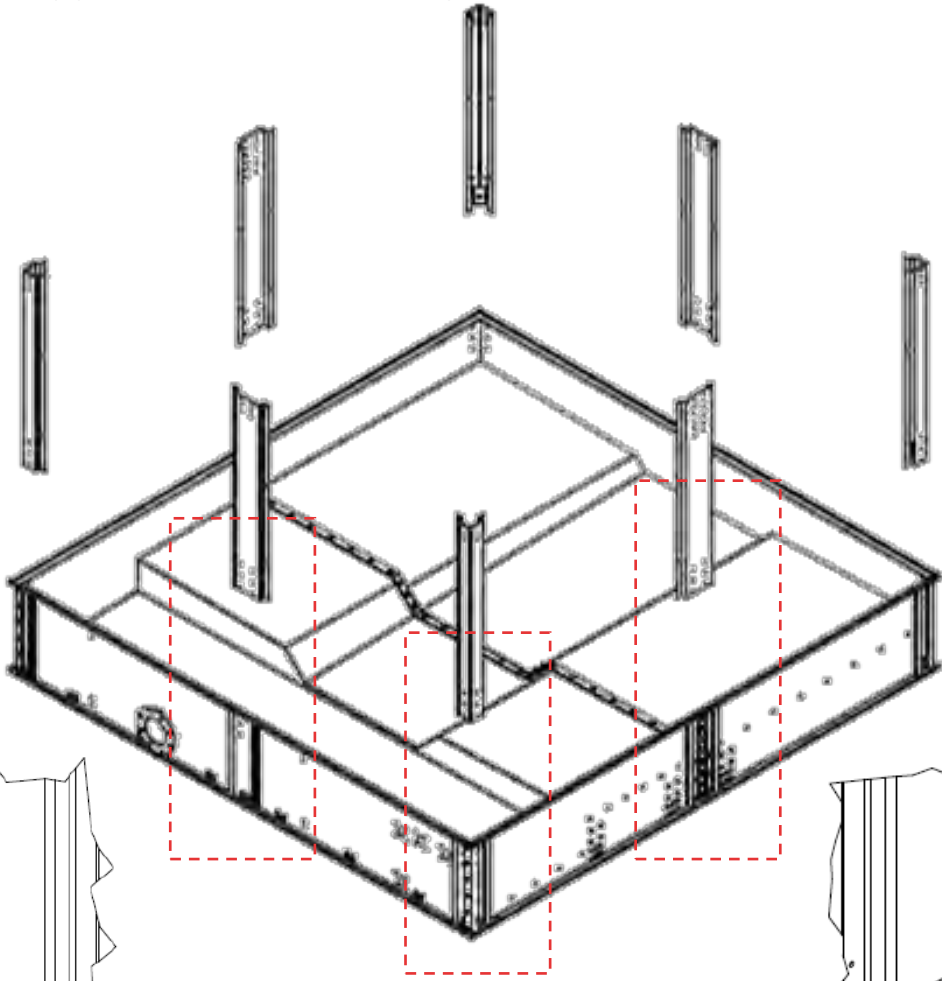
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 1: Basin Assembly



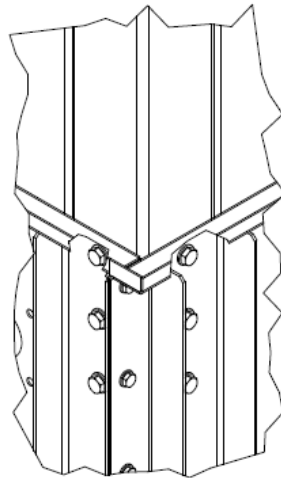
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 2 : Support Frame Assembly



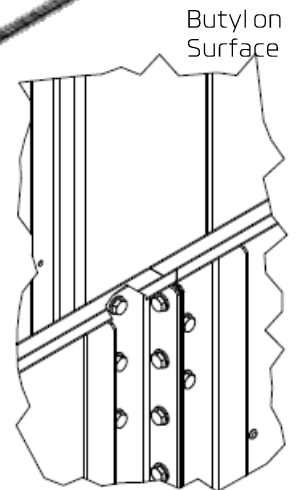
Butyl on Surface

HEX BOLT M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER M10



Butyl on Surface

HEX BOLT M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER M10

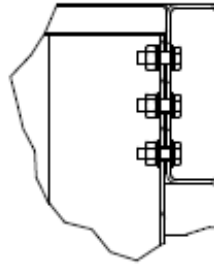
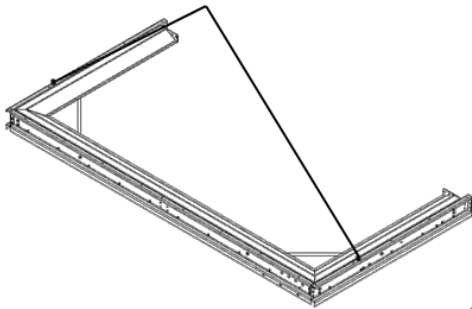


Butyl on Surface

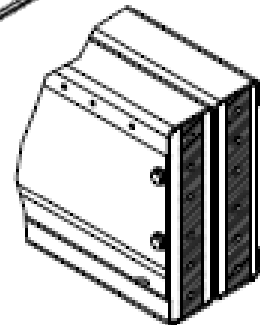
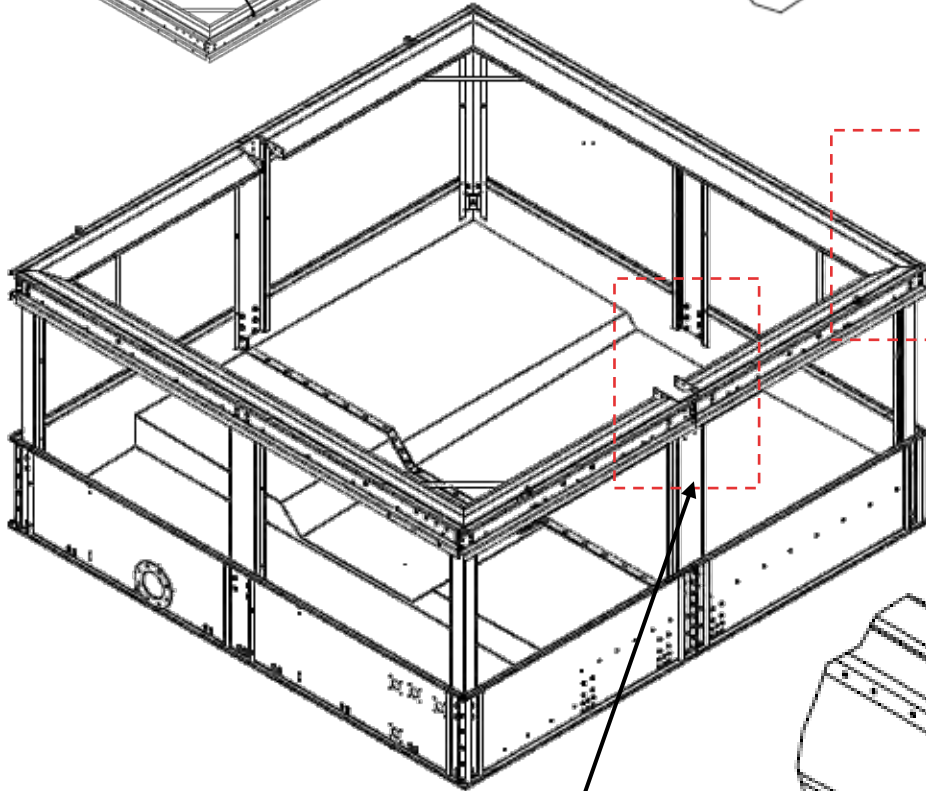
HEX BOLT M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER M10

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

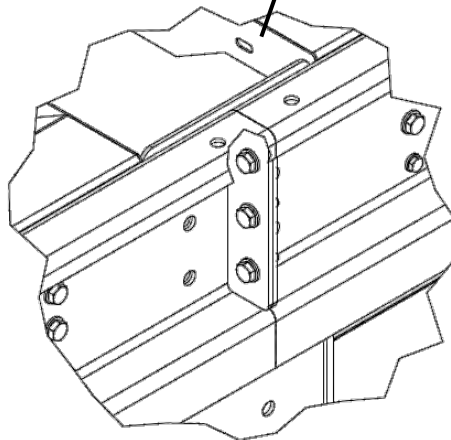
Step 3: Frame Assembly



HEX BOLT
M8x1.25x25L
HEX.LOCK NUT
M8x1.25
WASHER M8



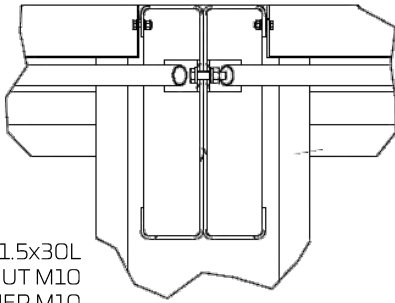
Butyl on Surface



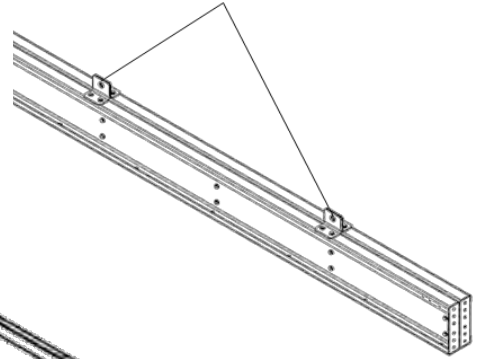
HEX BOLT
M8x1.25x25L
HEX.LOCK NUT
M8x1.25
WASHER M8

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

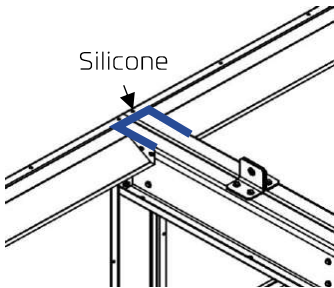
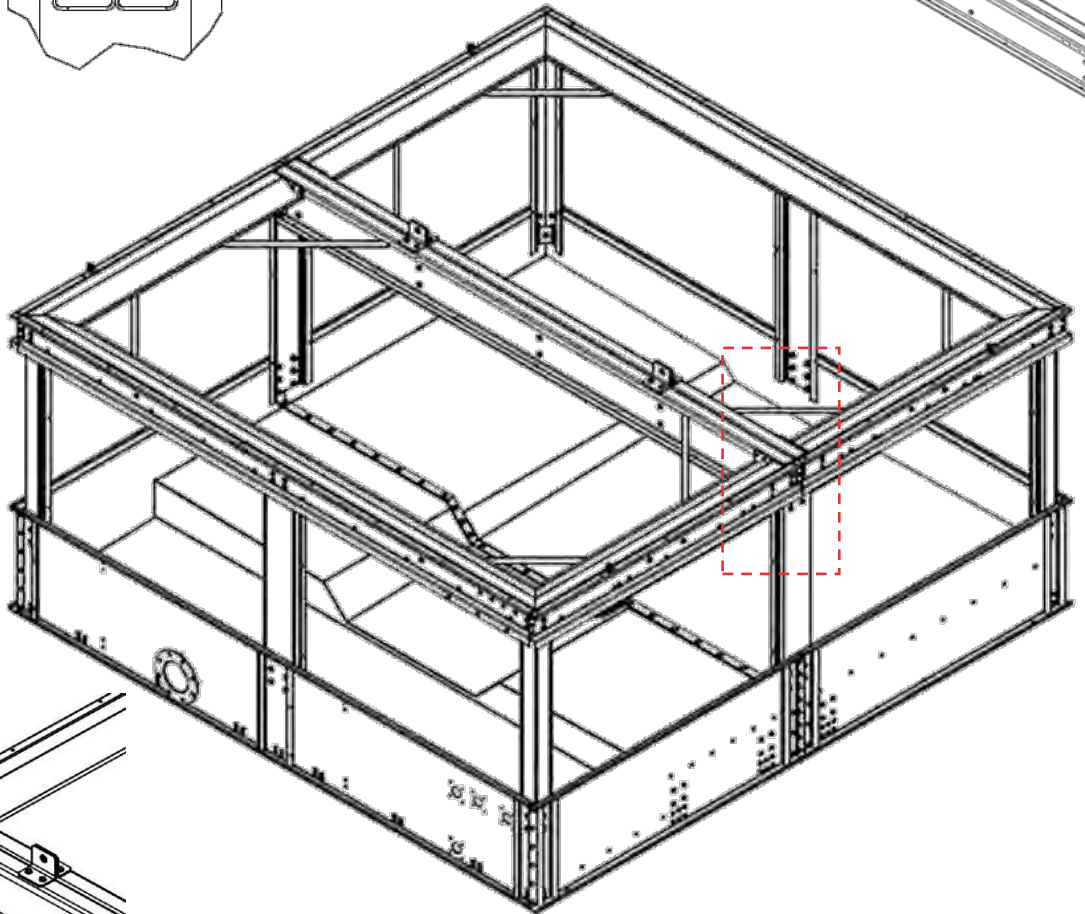
Step 4 : Frame Beam and Support Assembly



HEX BOLT M10x1.5x40L
 HEX NUT M10
 WASHER M10
 SPRING WASHER M10

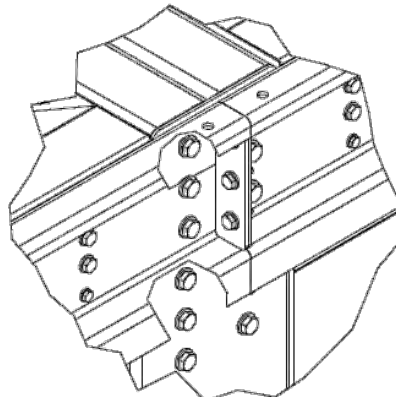


HEX BOLT M10x1.5x30L
 HEX NUT M10
 WASHER M10
 SPRING WASHER M10



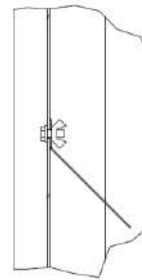
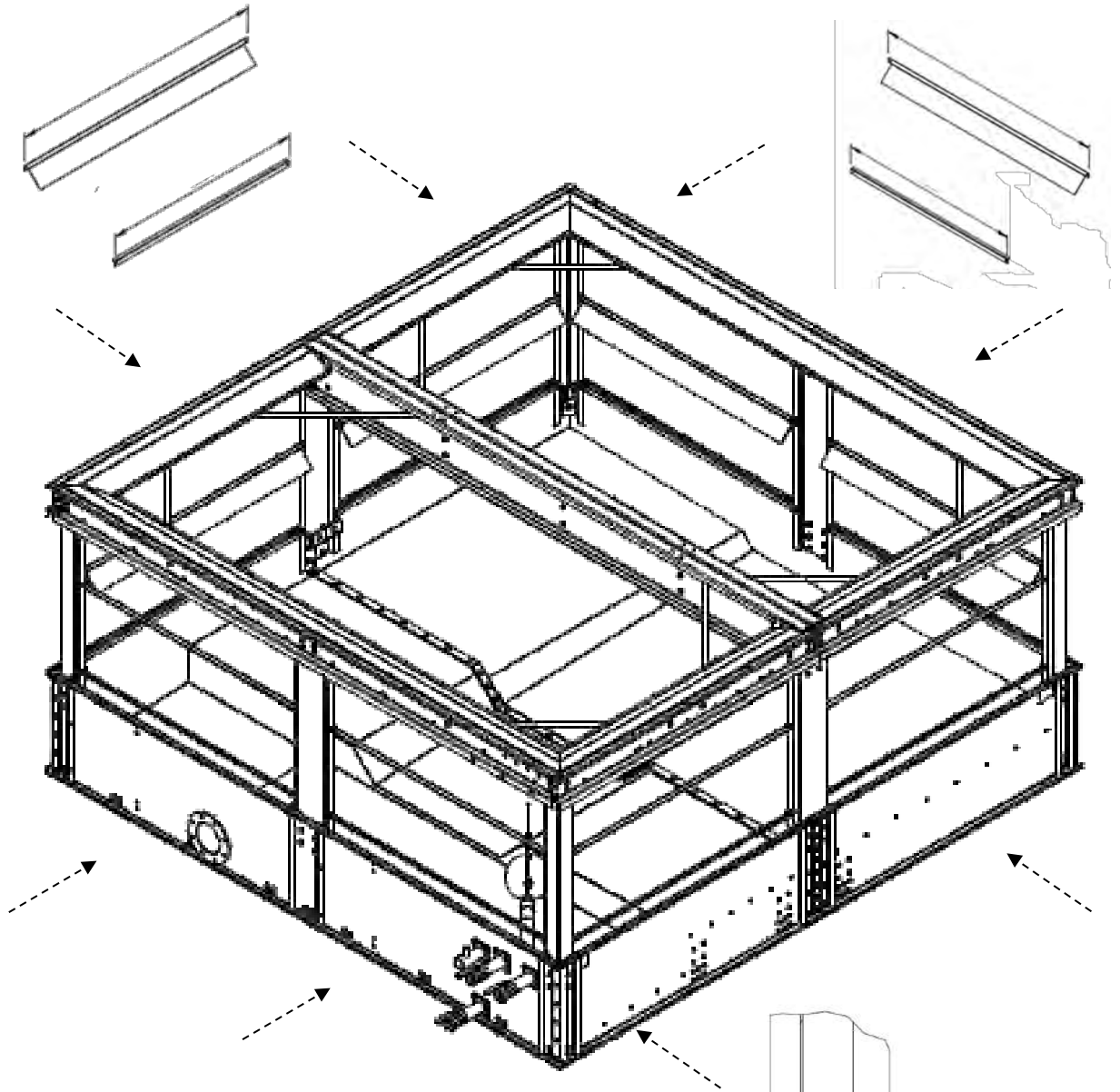
Silicone

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

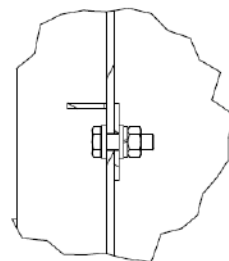


HEX BOLT M10x1.5x30L
 HEX NUT M10
 WASHER M10
 SPRING WASHER M10

Step 5: Water Deflect Assembly



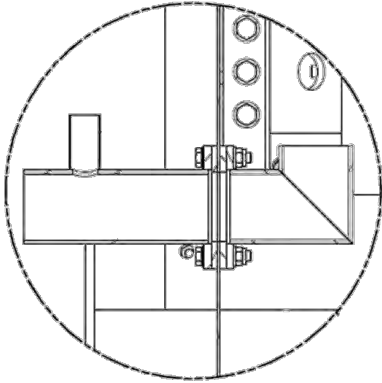
HEX BOLT
M8x1.25x20L
WING NUT M8
WASHER M8



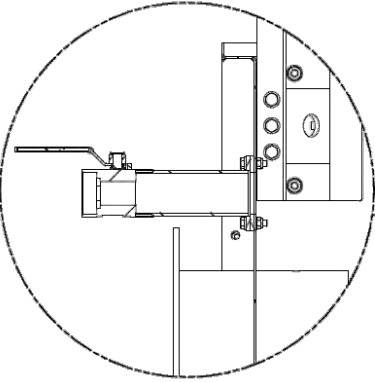
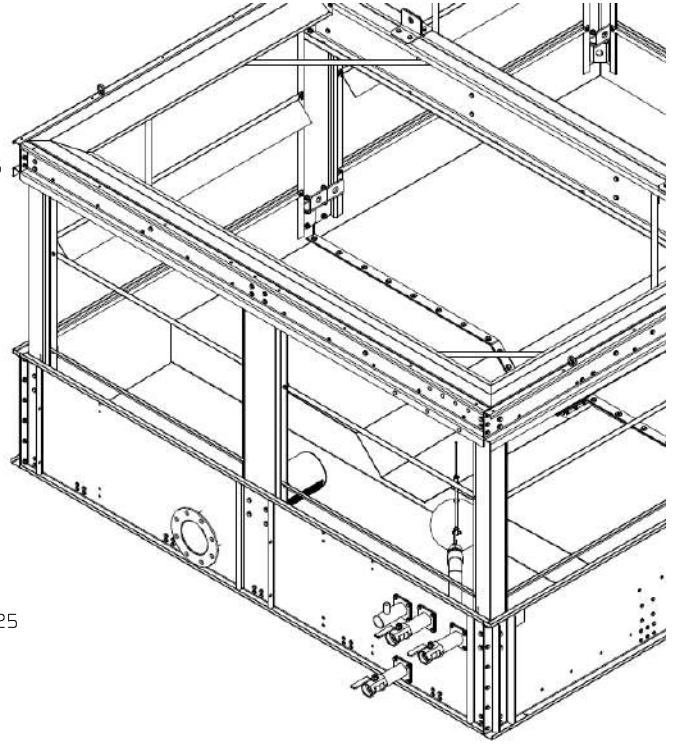
HEX BOLT
M6x1.25x20L
HEX LOCK NUT
M6x1.25
WASHER M6
SPRING WASHER M6

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

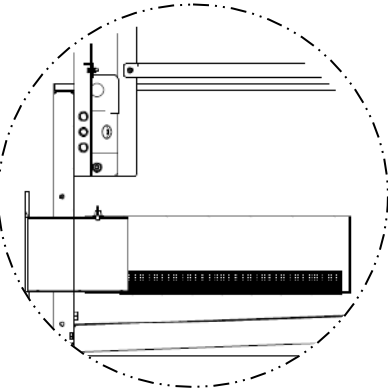
Step 6 : Piping and Valve Assembly



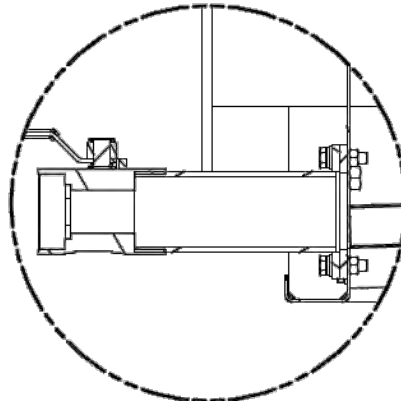
PIPE OVER FLOW
BOLT M8x1.25x40L
NR GASKET
WASHER FOR M8
HEX.LOCK NUT M8X1.25



BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25



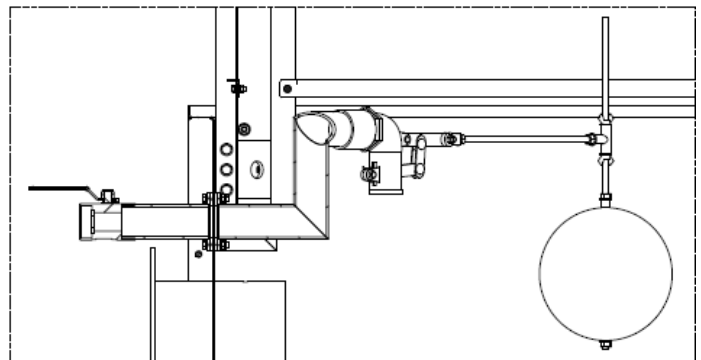
PIPE WITH STRAINER
WING SCREW - M8 x 12
WASHER



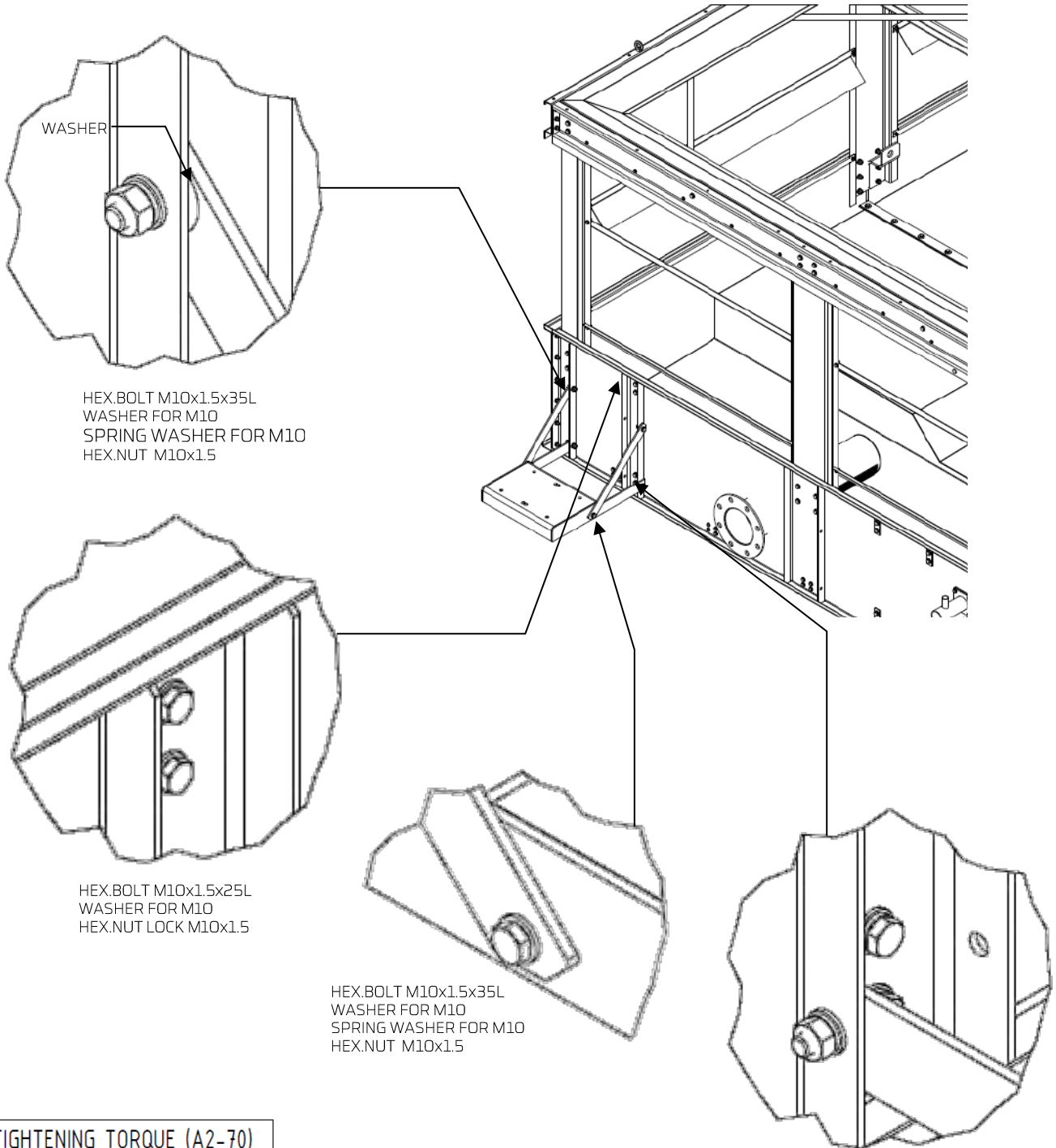
BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

BALL VALVE
FLOAT VALVE
WASHER FOR M8
NR GASKET
PIPE MAKE UP WATER 2"
FLOAT VALVE
BOLT M8x1.25x30L
SPRING WASHER M8
HEX.LOCK NUT M8X1.25

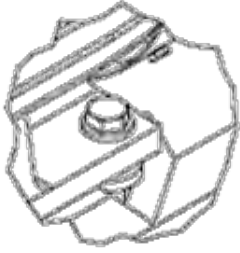


Step 7 : Water Pump Base Assembly

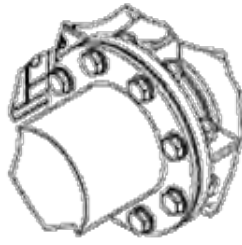


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

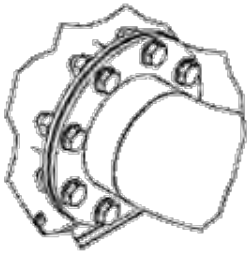
Step 8: Water Pump pipe Assembly



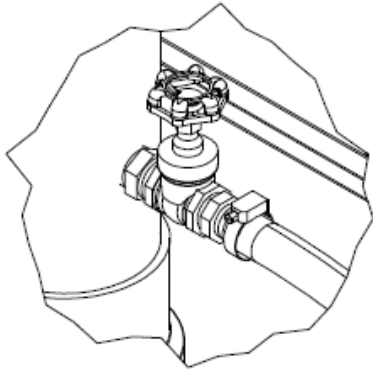
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



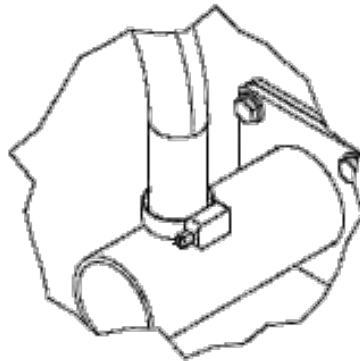
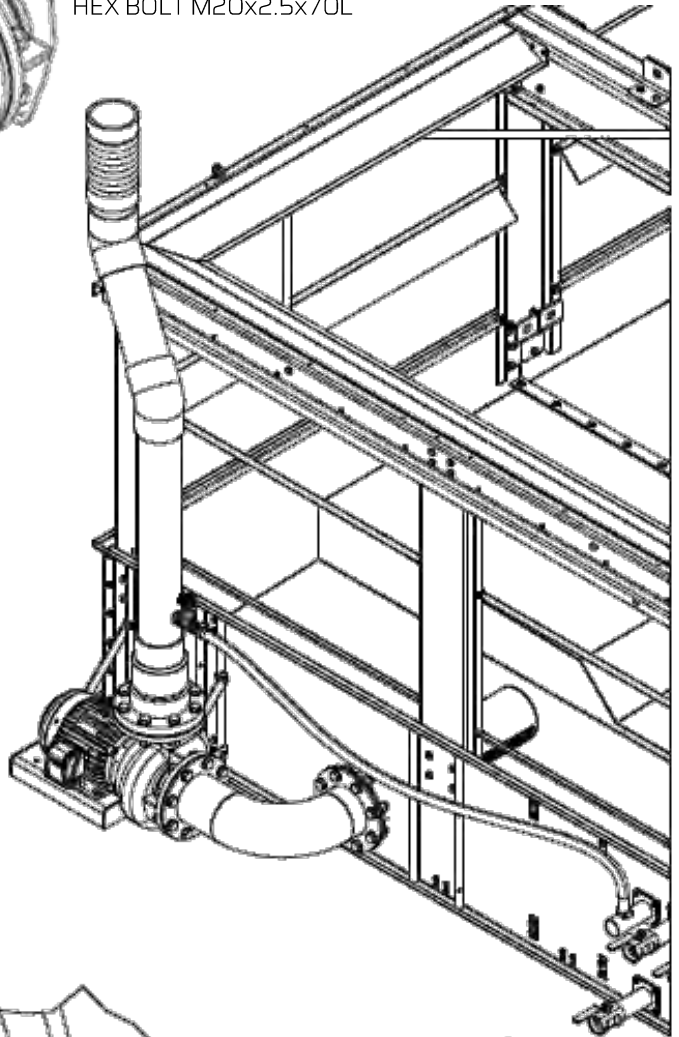
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L



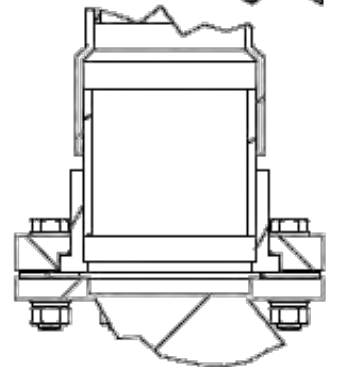
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



HOSE CLAMP 1"
 TEXTILE HOSE 1"



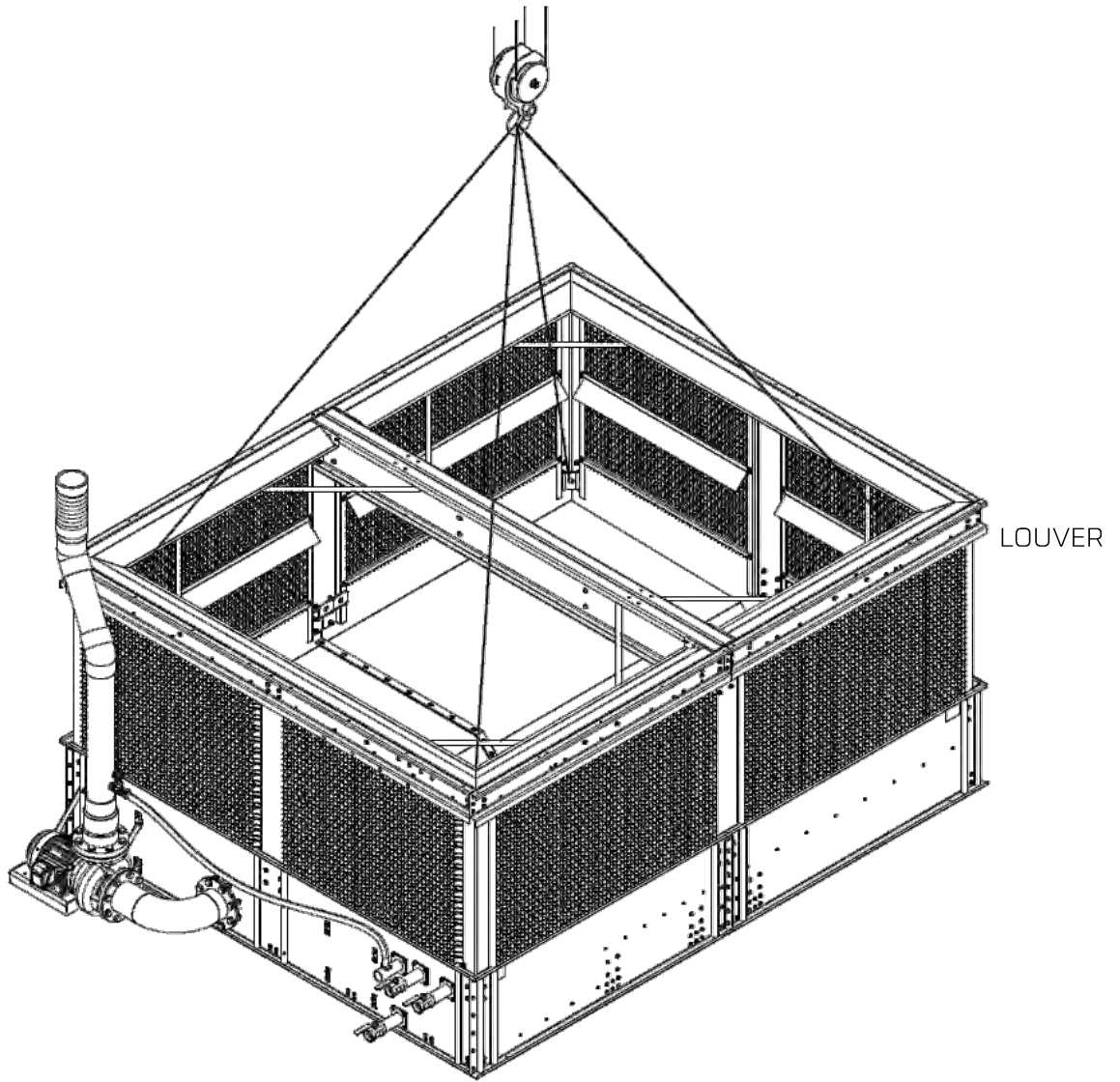
HOSE CLAMP 1"
 TEXTILE HOSE 1"



HEX BOLT M20 x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20

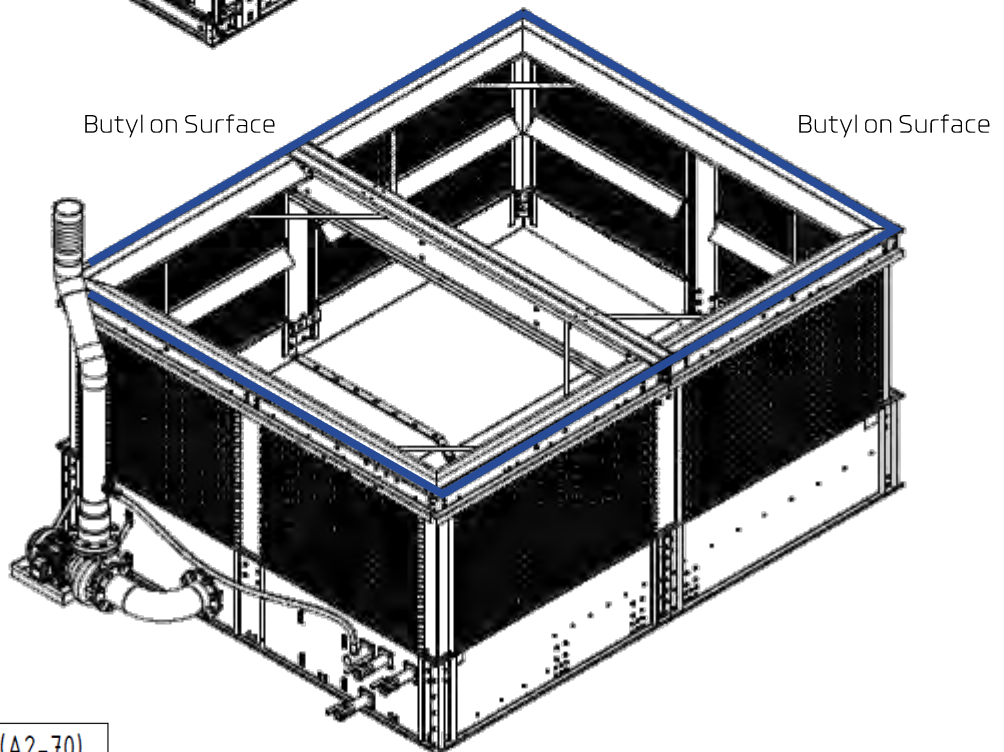
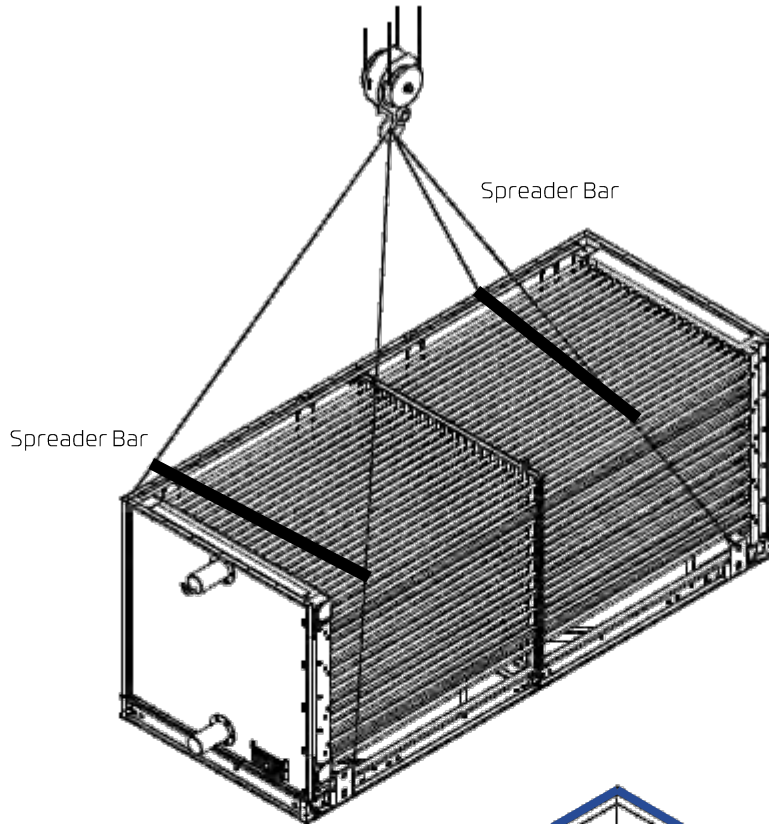
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 9: Move Assembled Basin to Position

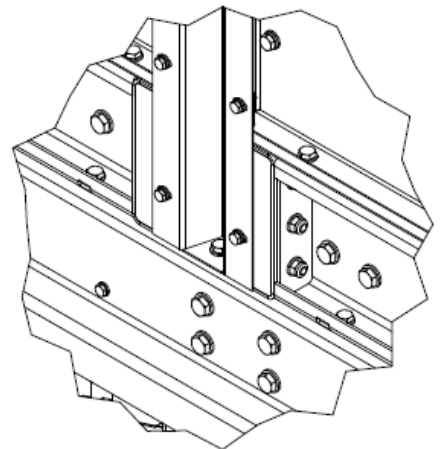
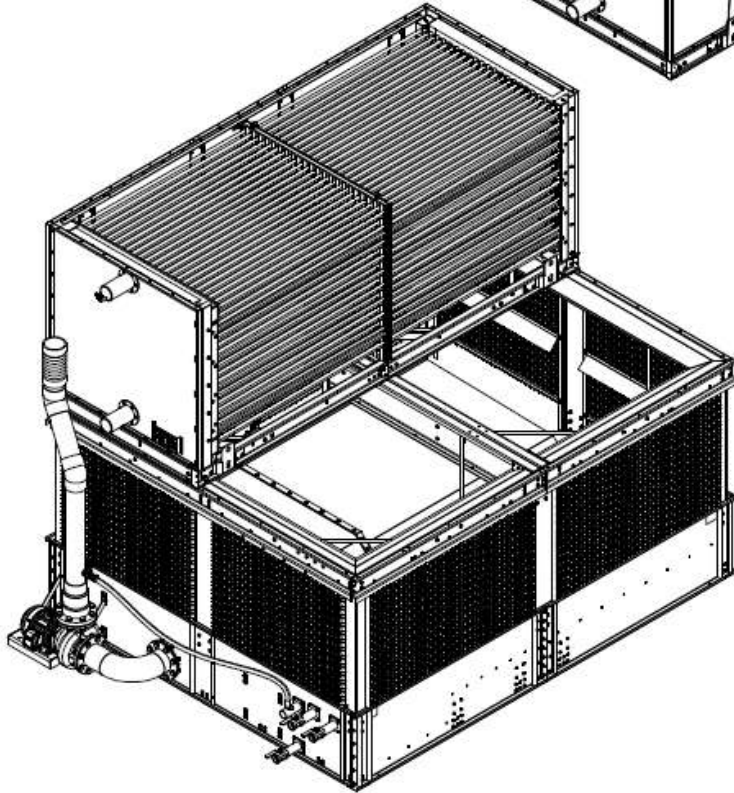
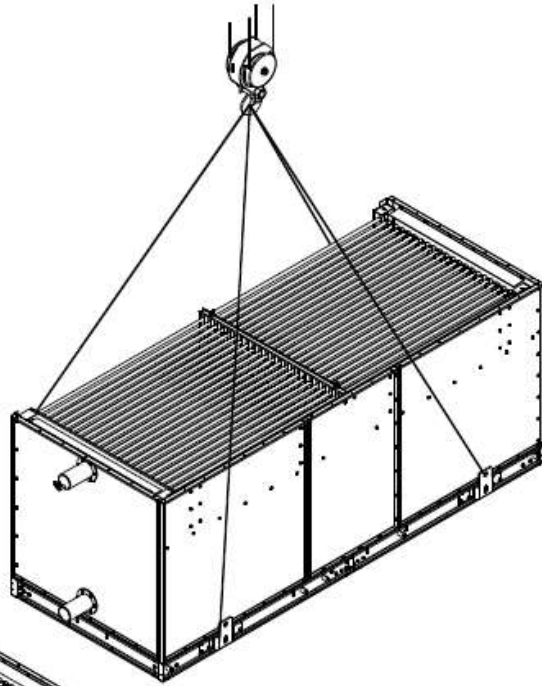


TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



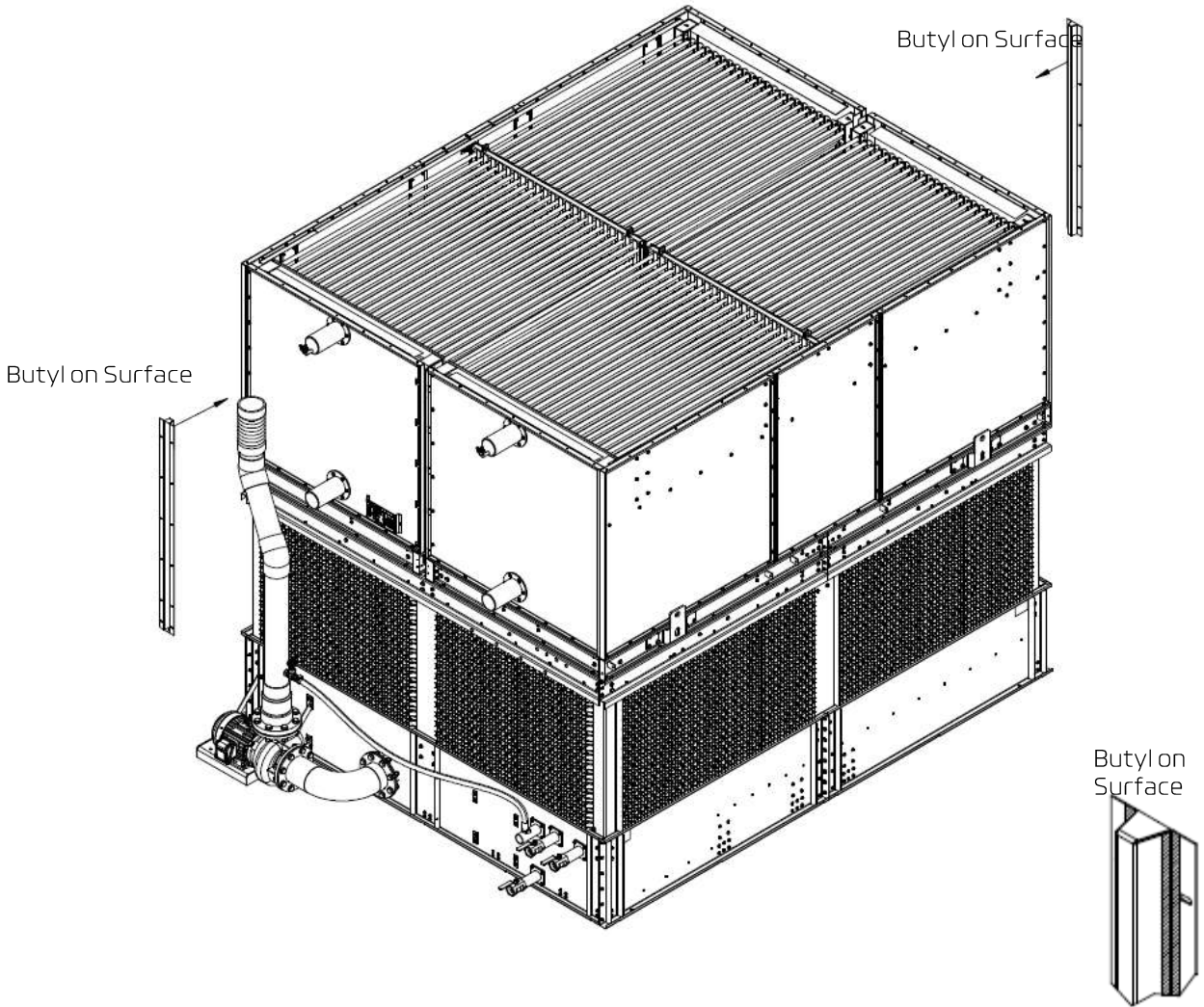
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

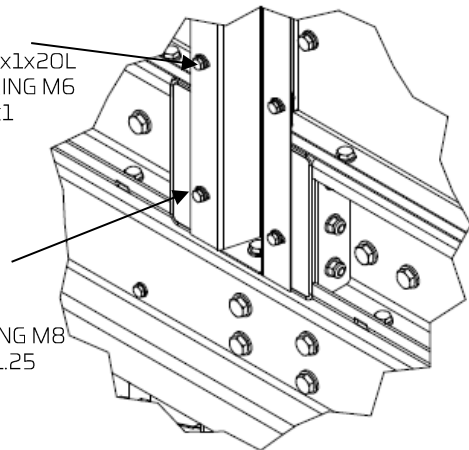
- HEX BOLT
M8x1.25x25L
- WASHER SPRING M8
- HEX NUT M8x1.25
- WASHER M8

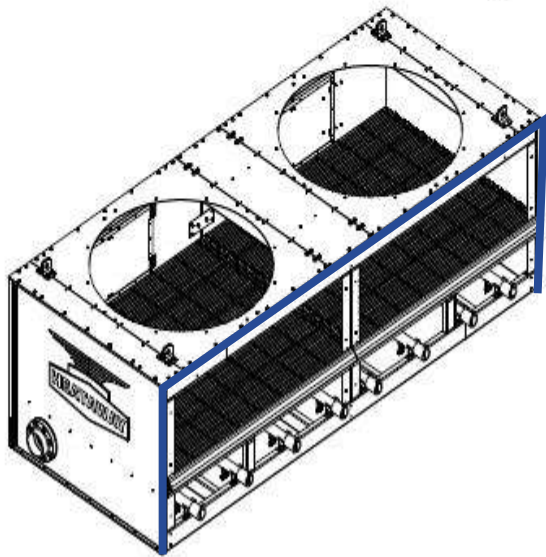
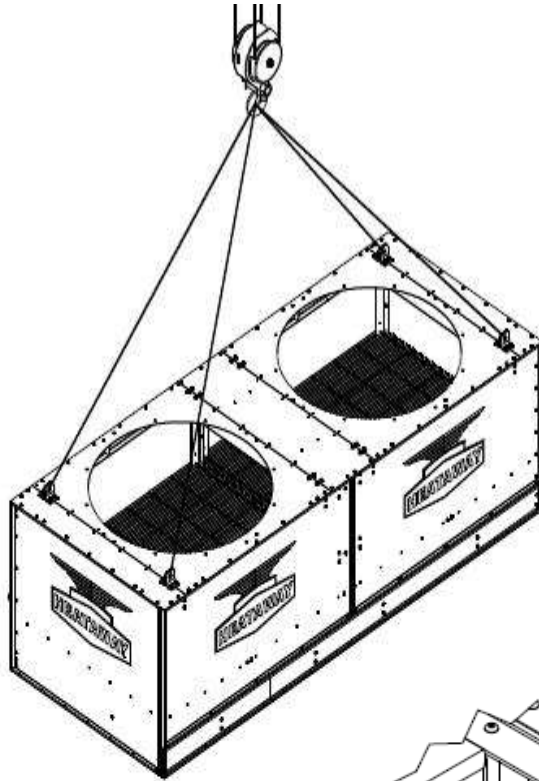


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

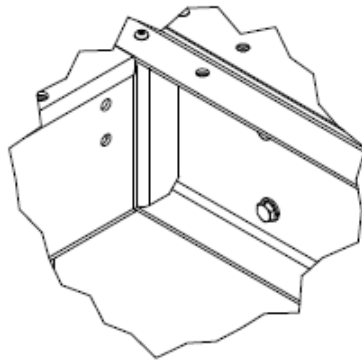
HEX BOLT M6x1x20L
 WASHER SPRING M6
 HEX NUT M6x1
 WASHER M6

HEX BOLT
 M8x1.25x25L
 WASHER SPRING M8
 HEX NUT M8x1.25
 WASHER M8

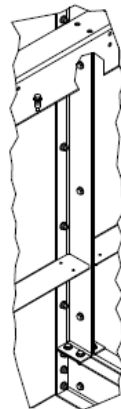




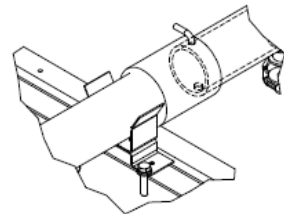
Butyl on Surface



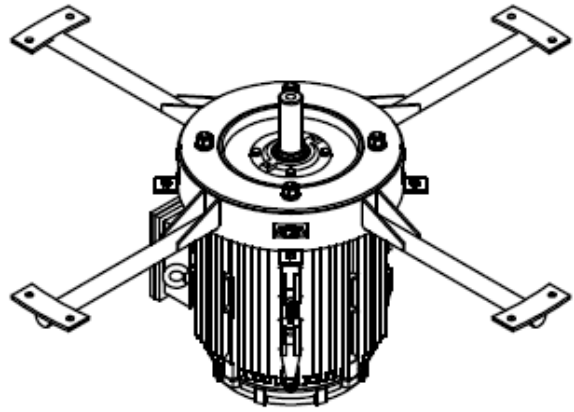
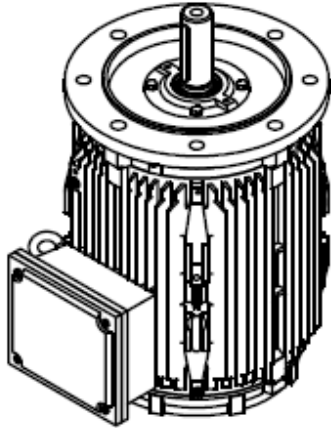
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



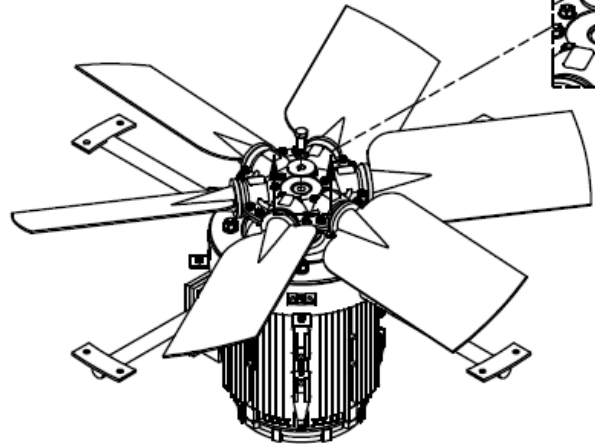
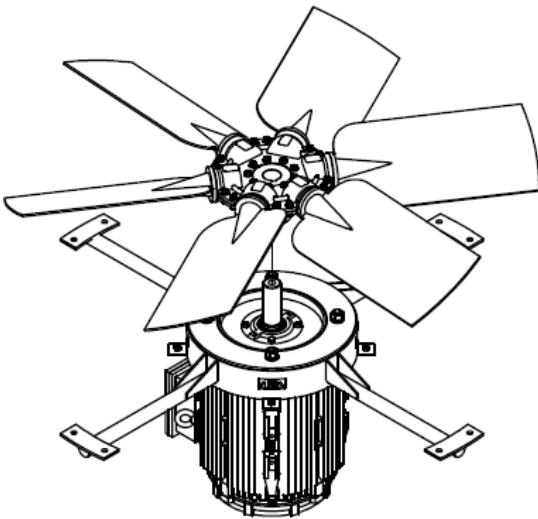
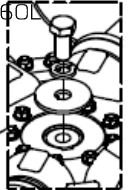
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



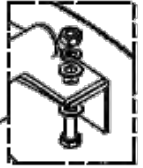
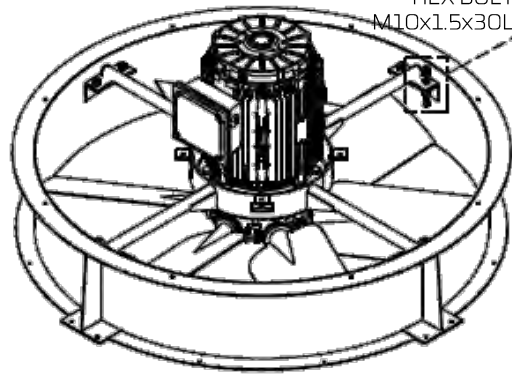
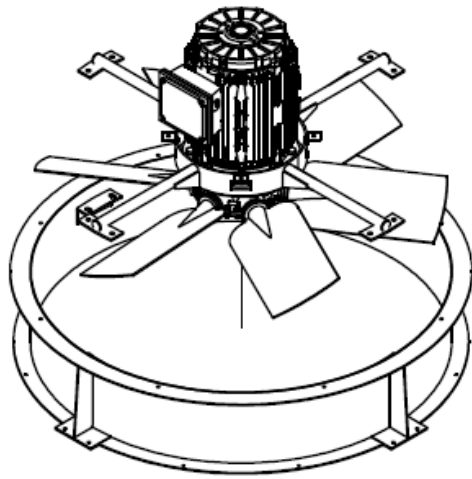
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



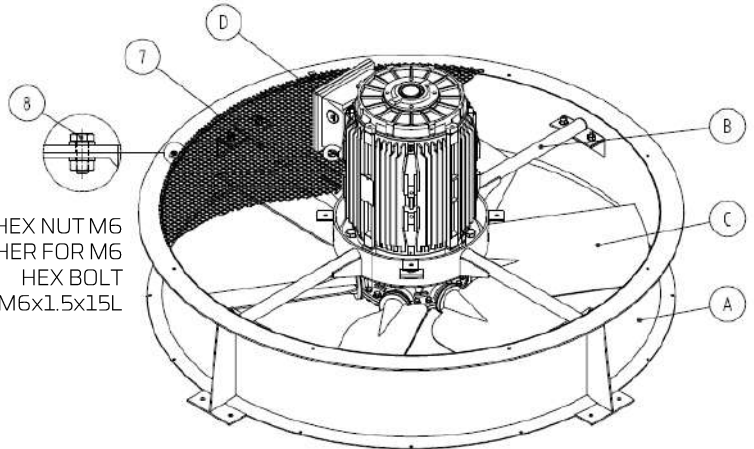
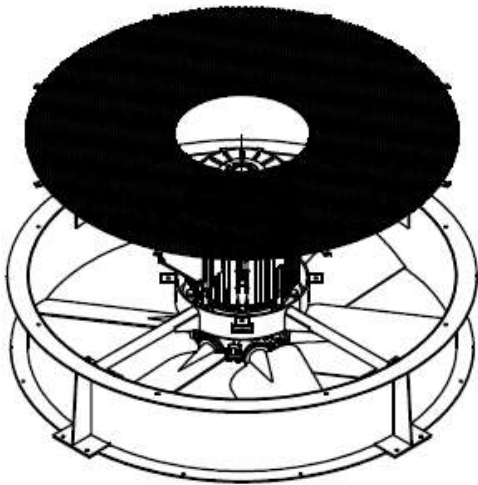
HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT
 M16x1.5x60



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

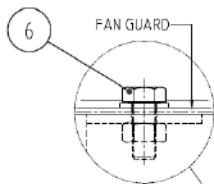


HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L



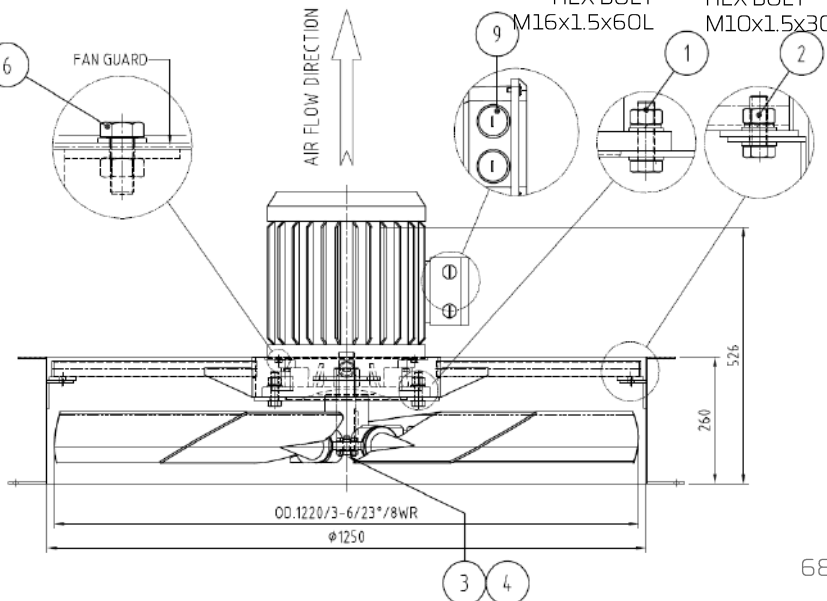
HEX NUT M6
 WASHER FOR M6
 HEX BOLT
 M6x1.5x15L

HEX NUT M8
 WASHER FOR M8
 HEX BOLT
 M8x1.5x15L

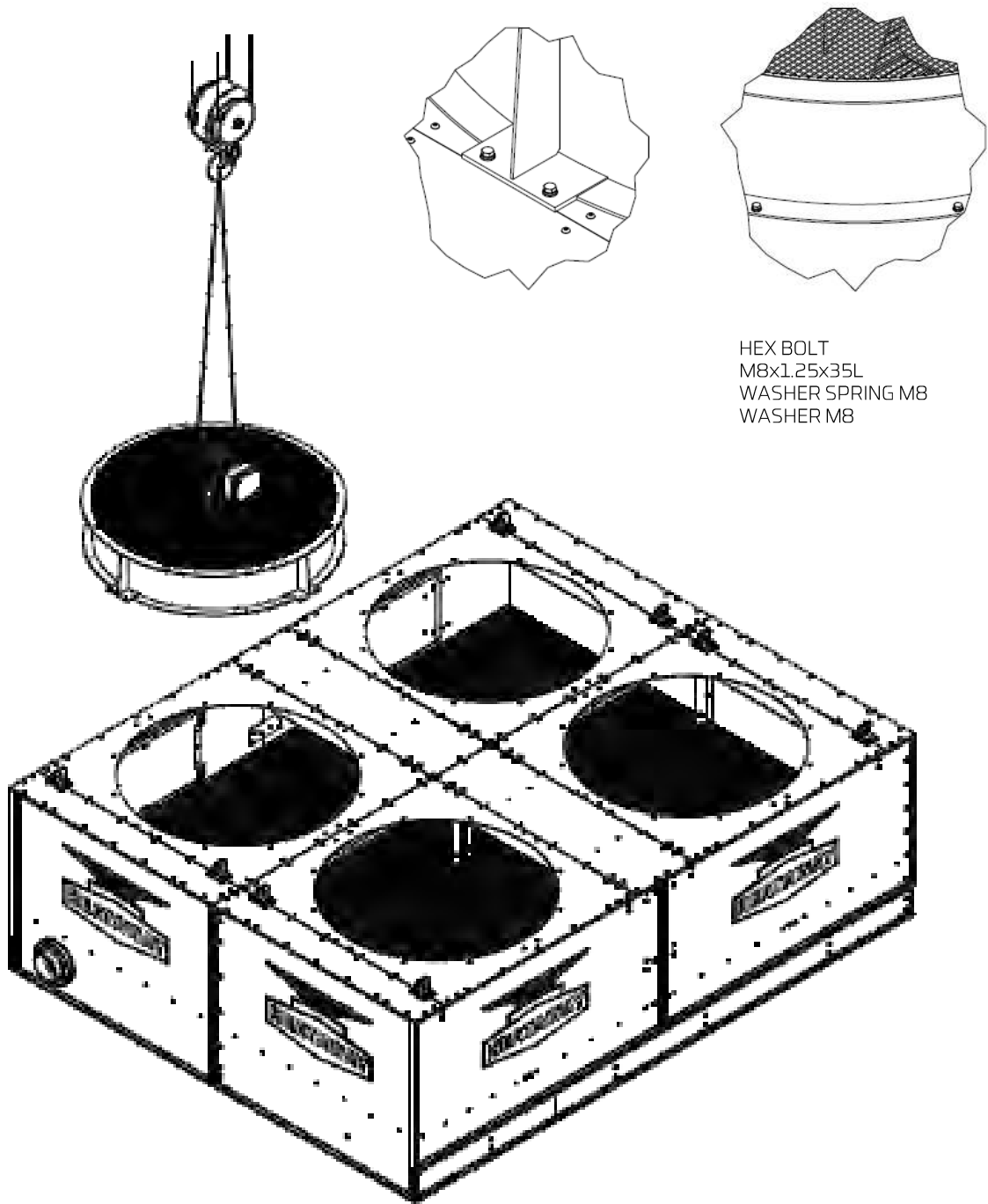


HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT
 M16x1.5x60L

HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L

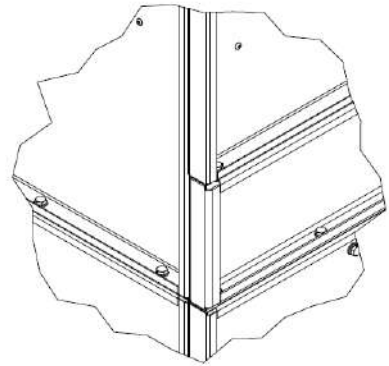
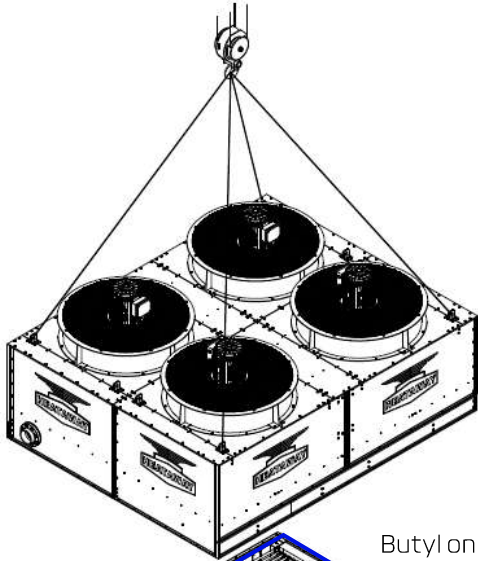


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



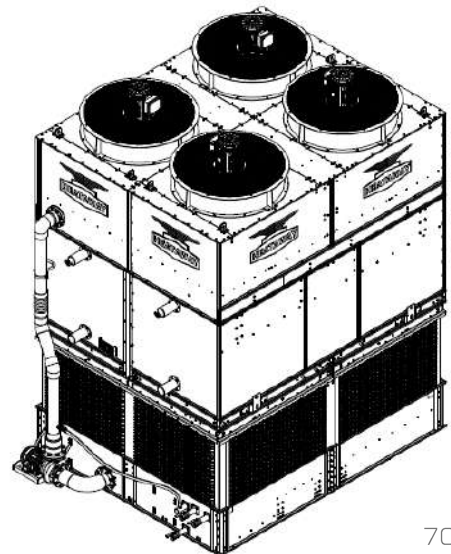
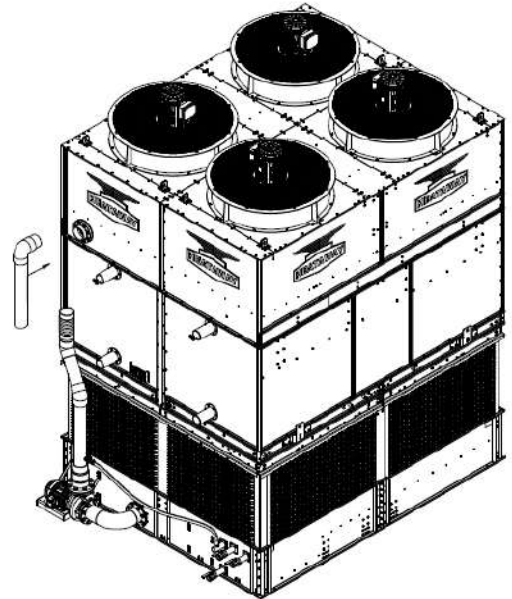
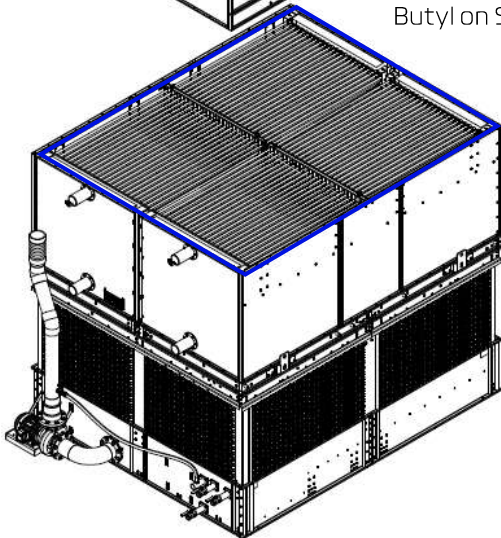
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



HEX BOLT
M8x1.25x20L
WASHER SPRING M8
WASHER M8
HEX NUT M8 1.25

Butyl on Surface



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

Footprint

10' X 18'

Model

EC9-2250-1018C-S

EC9-2450-1018C-M

EC9-2550-1018C-S

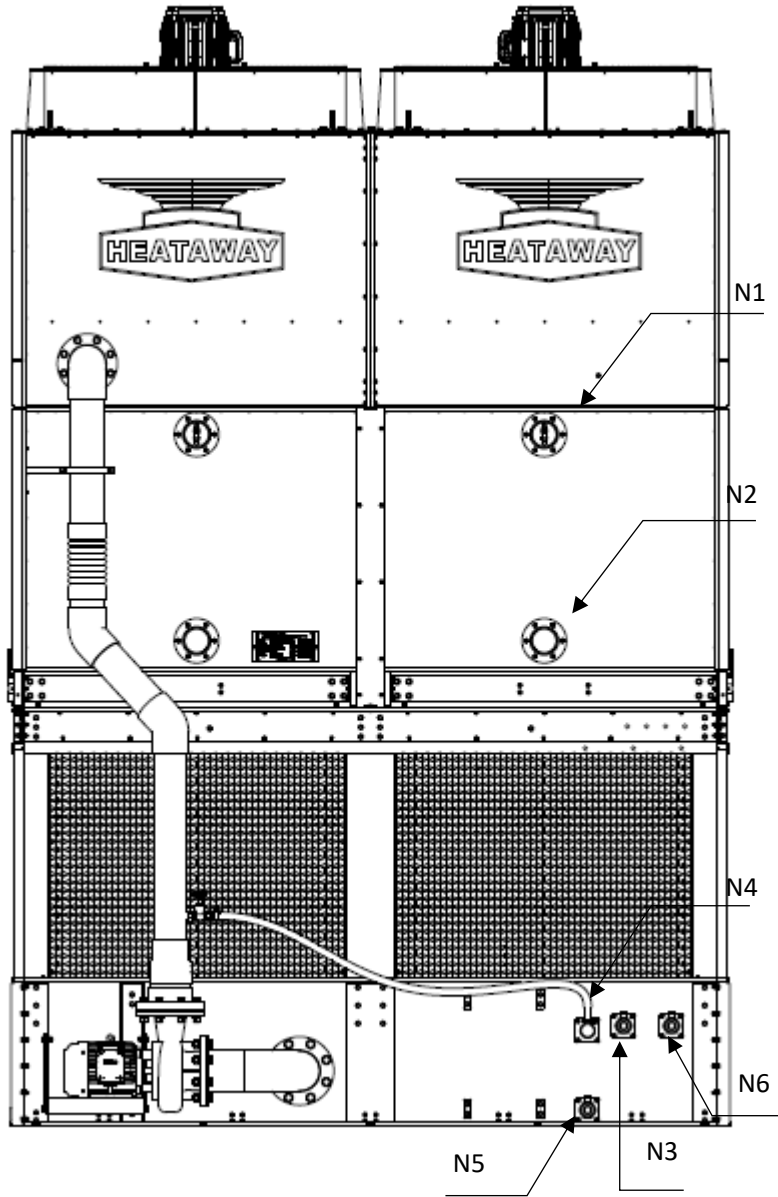
EC9-2790-1018C-M

EC9-2960-1018C-L

EC9-3000-1018C-M

EC9-3200-1018C-L

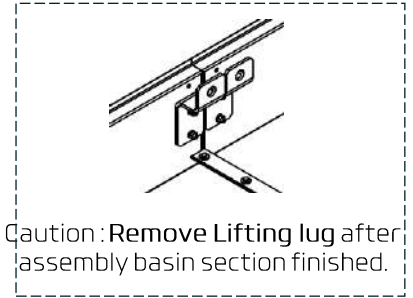
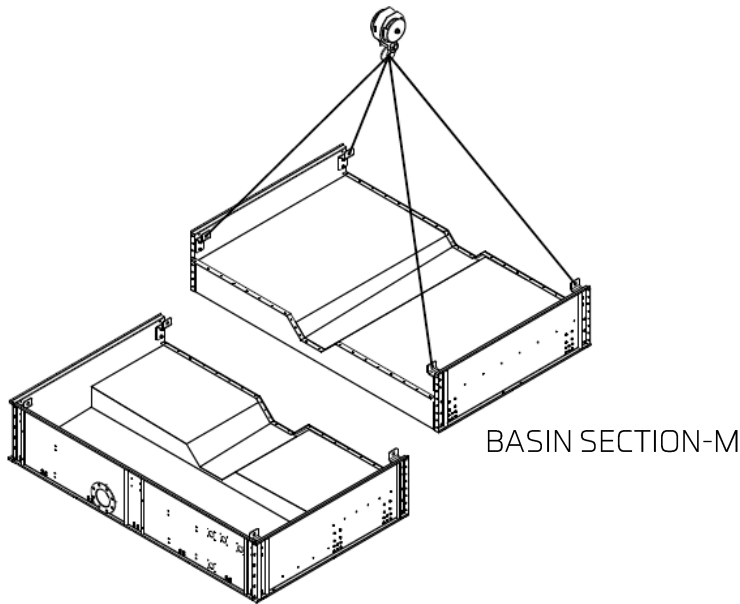




PIPING CONNECTION					
MARK	DESCRIPTION	Q'TY	SIZE	THREAD	VALVE
N1	REFRIGERANT INLET	2	4"	-	-
N2	REFRIGERANT OUTLET	2	4"	-	-
N3	MAKE UP WATER	1	2"	BSPT(F)	BALL VALVE
N4	OVER FLOW	1	2"	BSPT(M)	-
N5	DRAIN	1	2"	BSPT(F)	BALL VALVE
N6	QUICK REFILL	1	2"	BSPT(F)	BALL VALVE

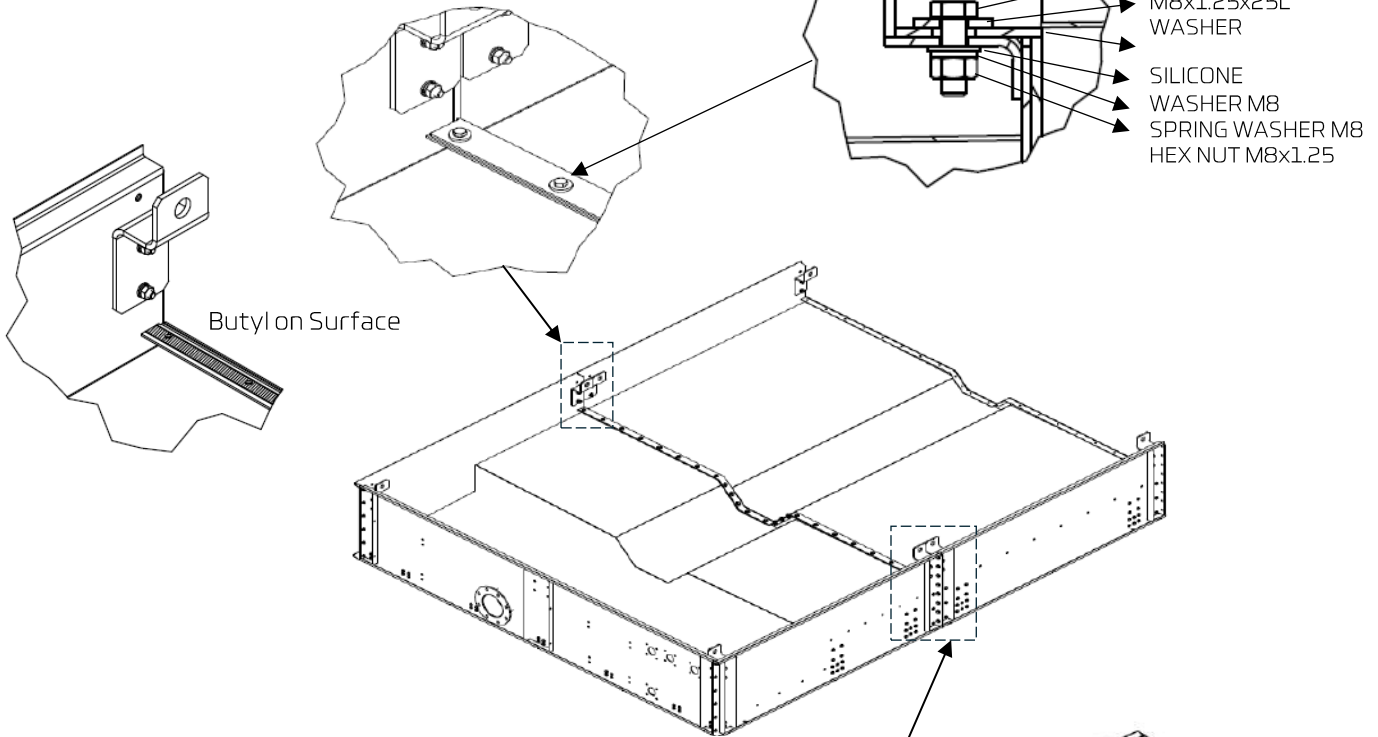
Basin Section Assembly

► Step 1: Start Assembly from item " BASIN SECTION-F " And " BASIN SECTION-M "

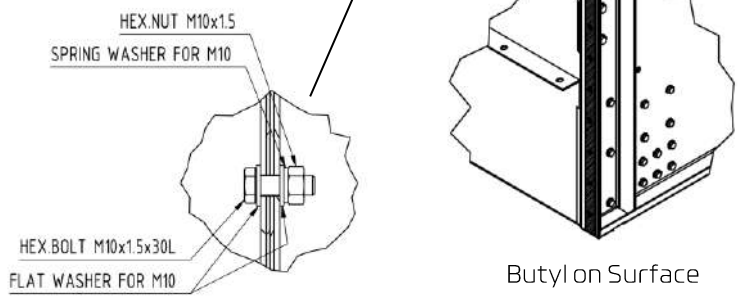


BASIN SECTION-F

BASIN SECTION-M

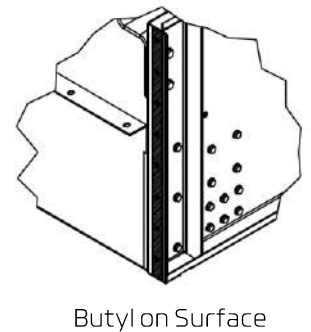
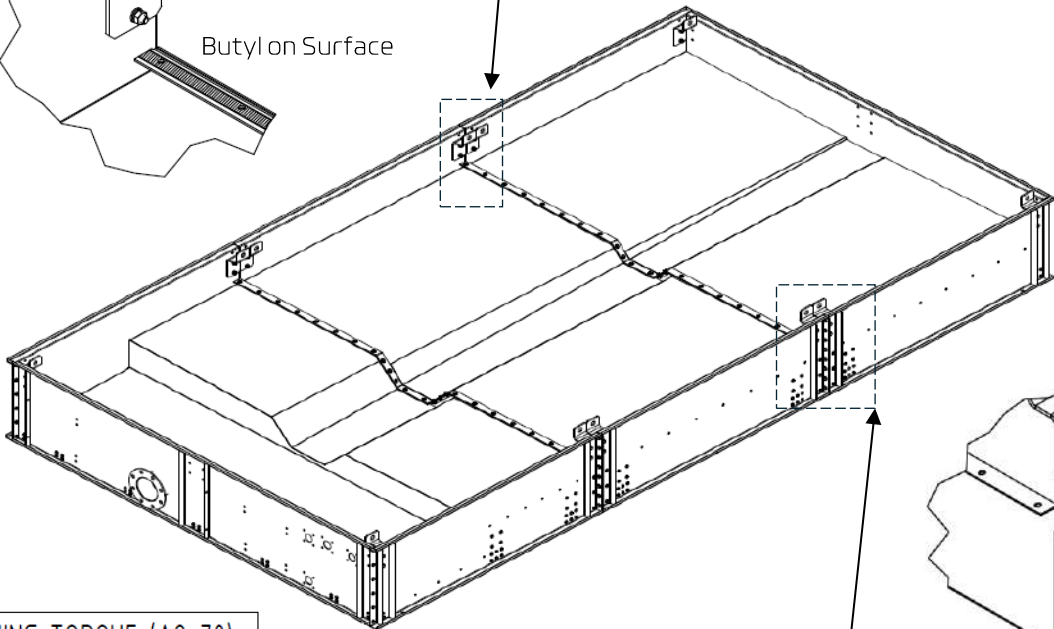
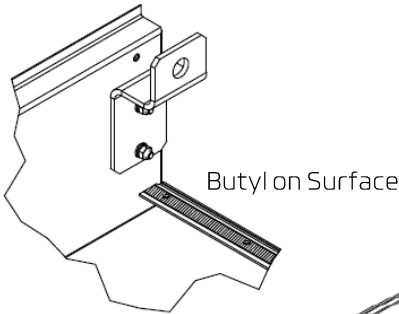
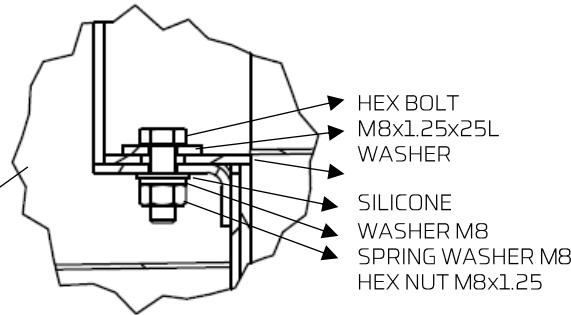
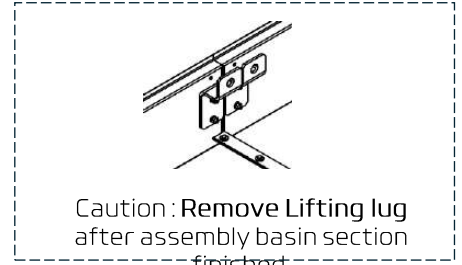
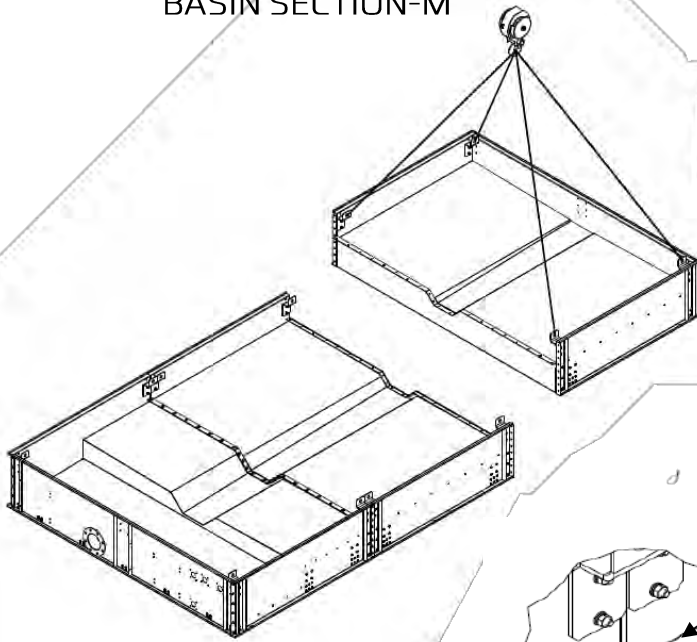


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

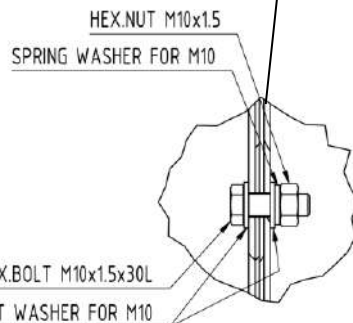


Basin Section Assembly

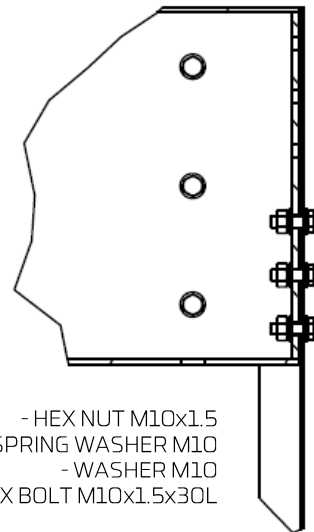
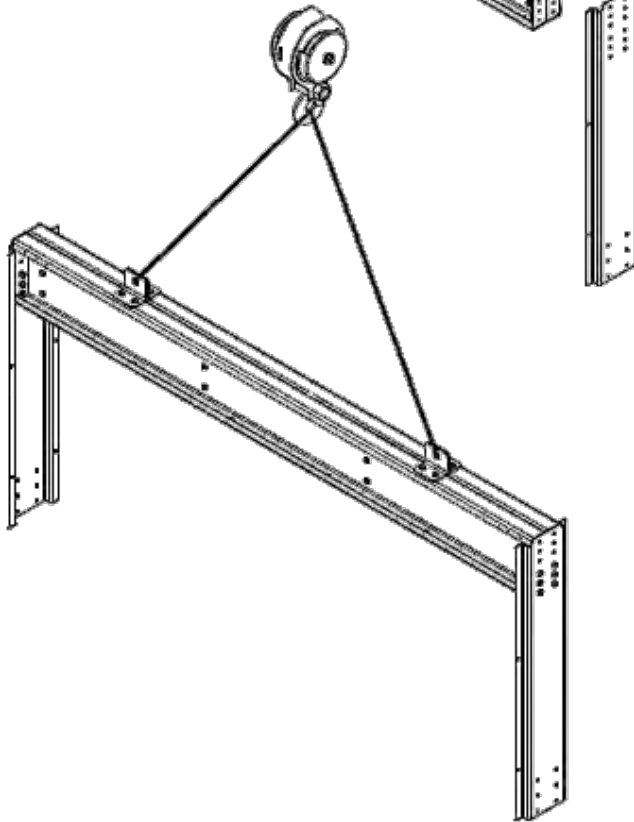
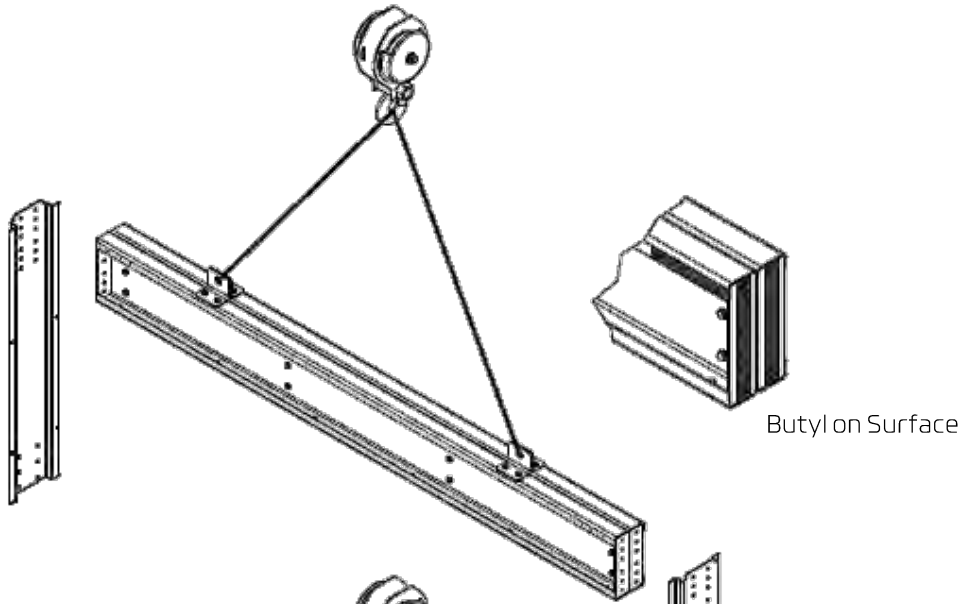
► Step 2 : Assembly "BASIN SECTION-B" with "BASIN SECTION-F" And "BASIN SECTION-M"



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



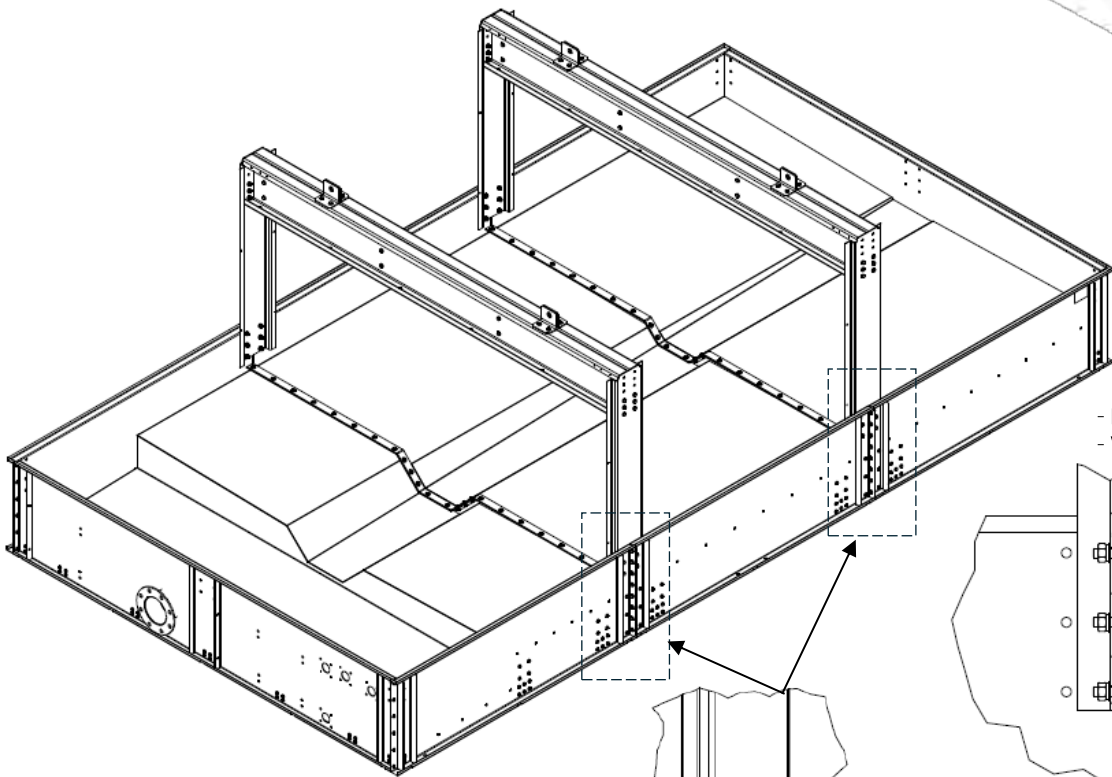
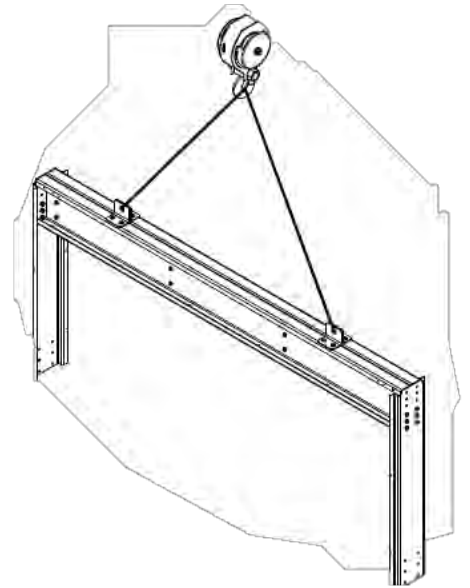
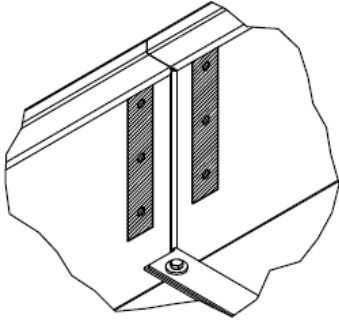
► Step 3 : Assembly Support Frame



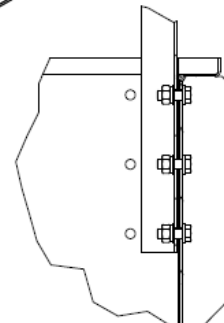
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

► Step 4: Assembly Frame Support with BASIN Set Assembly

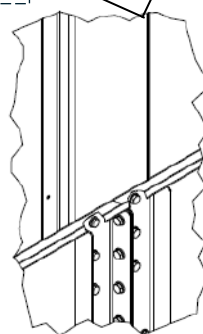
Butyl on Surface



- HEX BOLT M10x1.5x30L
- WASHER M10

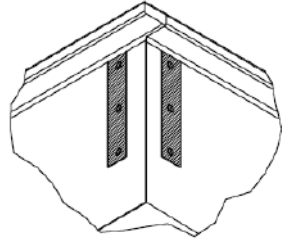


- SPRING WASHER M10
- HEX NUT M10x1.5

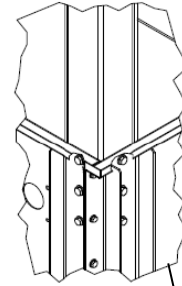


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

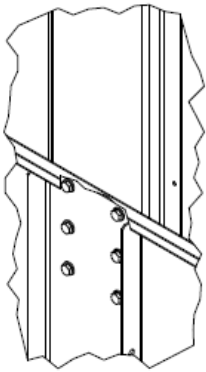
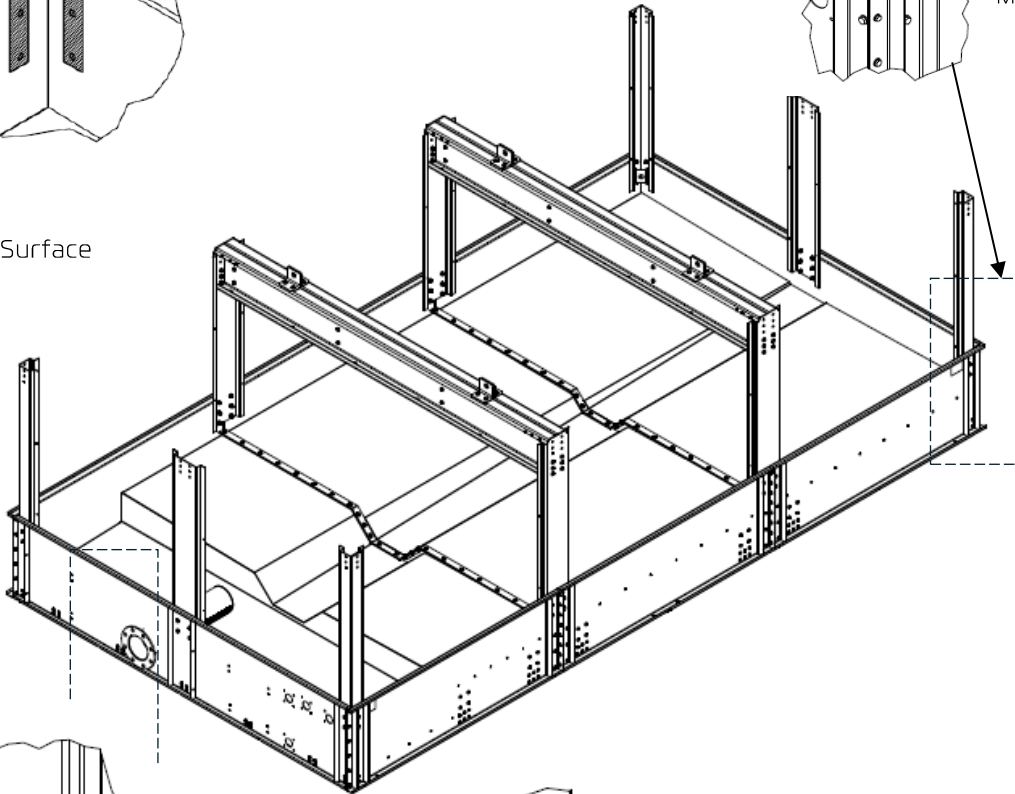
► Step 5 : Assembly Frame Support with BASIN Set Assembly



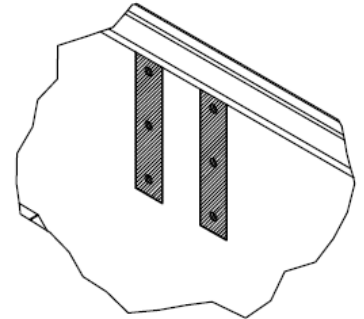
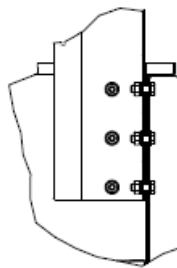
Butyl on Surface



- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x30L



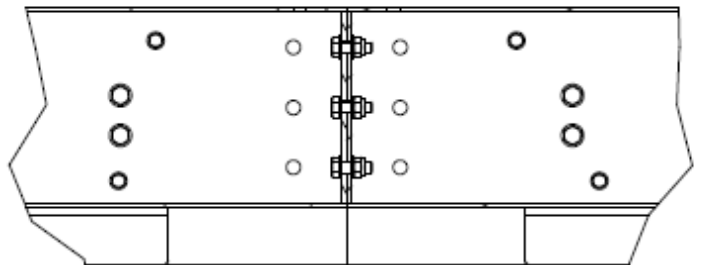
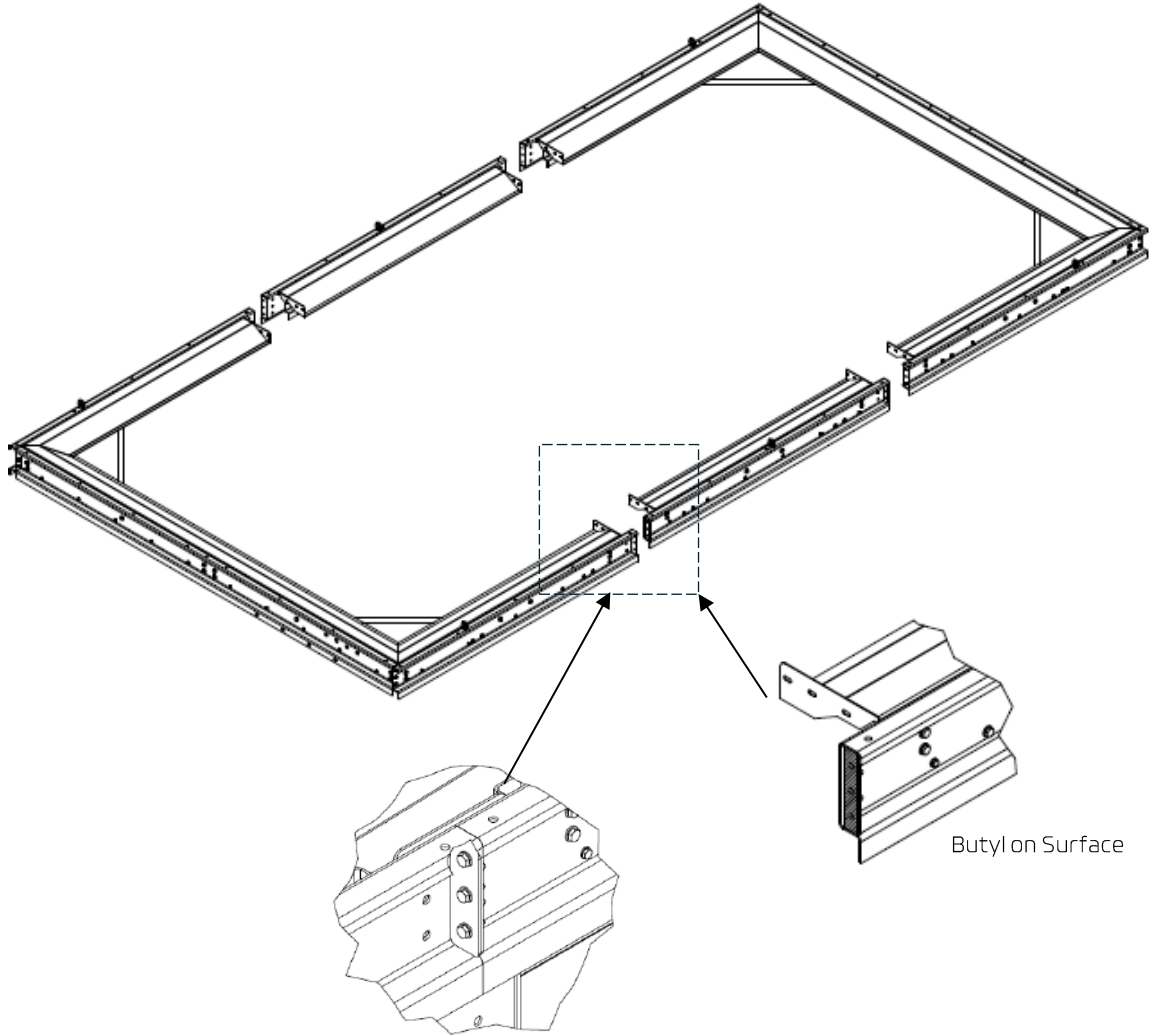
- HEX BOLT M10x1.5x30L
- WASHER M10
- HEX NUT M10



Butyl on Surface

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

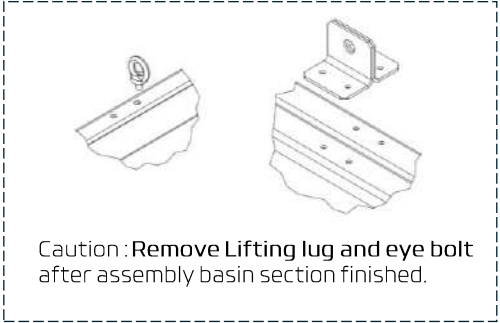
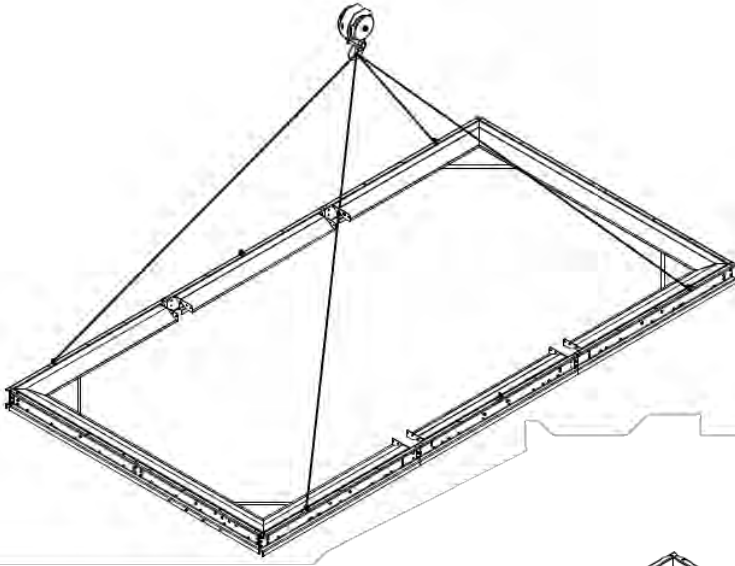
► Step 6 : Assembly Top Frame of BASIN SECTION



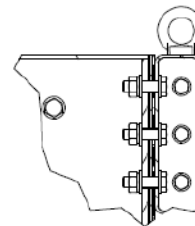
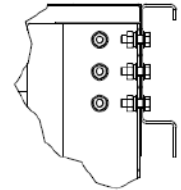
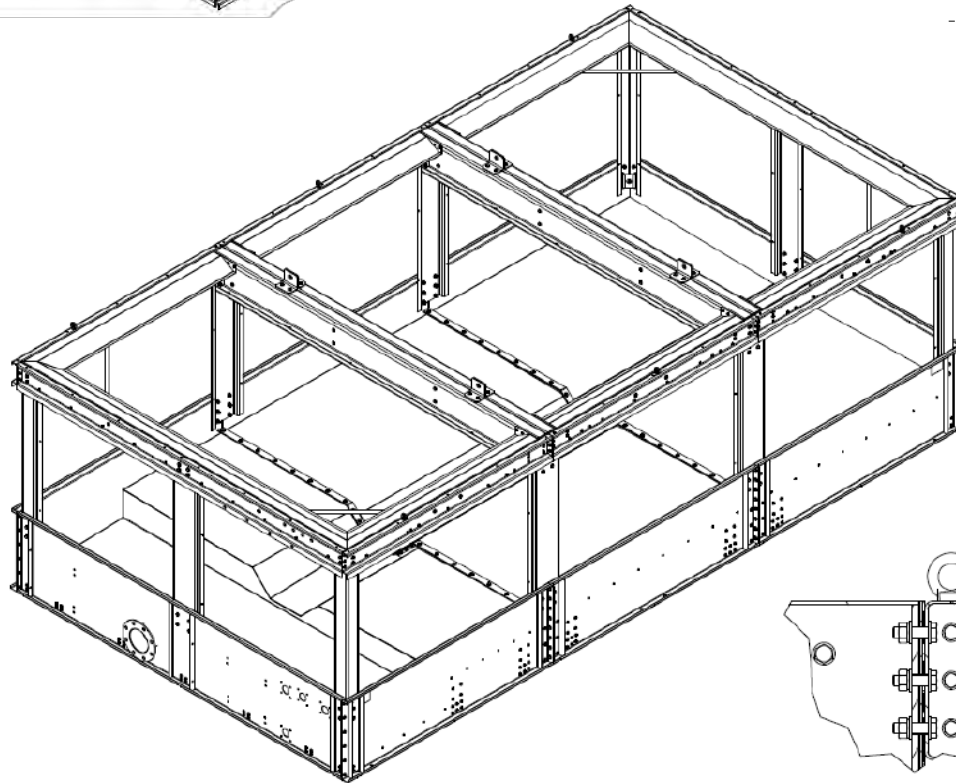
HEX BOLT
M8x1.25x25L
WASHER M8
HEX.LOCK NUT
M8x1.25

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

► Step 7 : Install Top Frame to BASIN SECTION and assembly MID FRAME



- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x35L



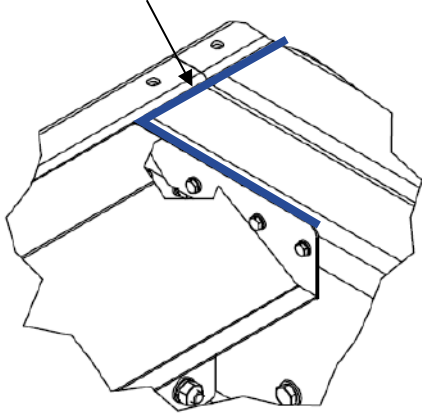
- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x35L

TIGHTENING TORQUE (A2-70)

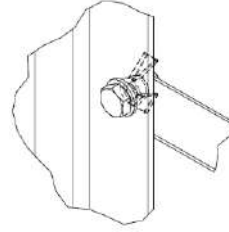
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

► Step 8 : Assembly support frame and Deflector

SILICONE ON SURFACE

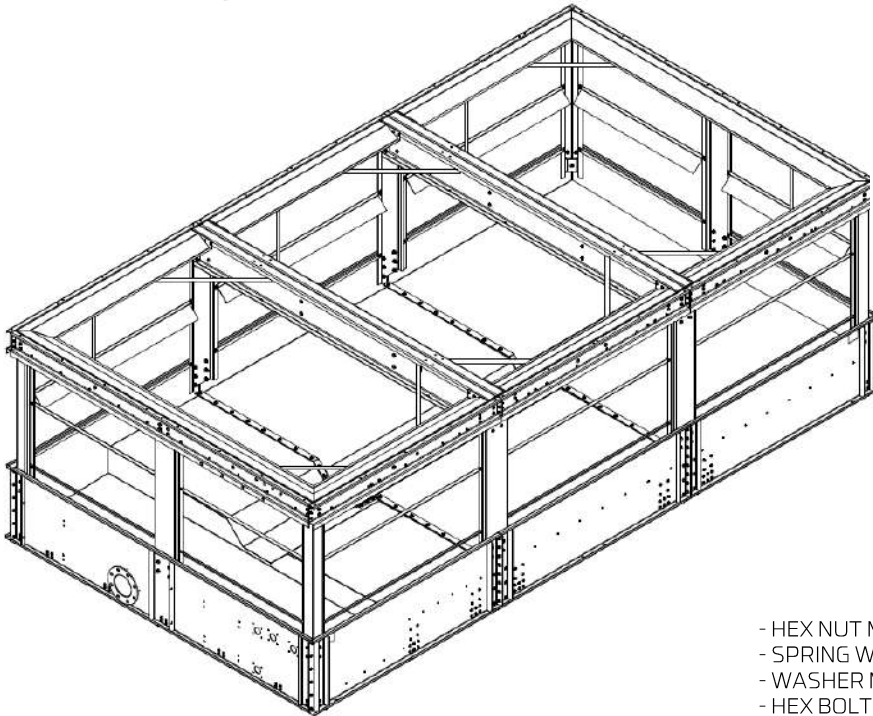
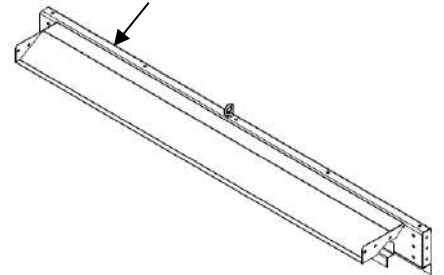


- HEX NUT M6x1
- SPRING WASHER M6
- WASHER M6
- HEX BOLT M6x1x20L

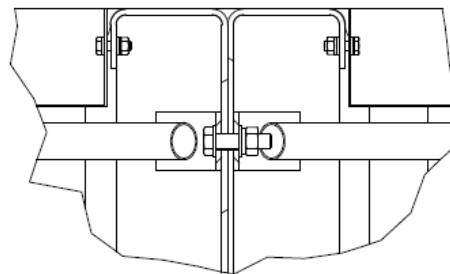


- LIIFTING EYE BOLT
M10x1.5x17L
- WASHER FOR M10
- HEX NUT M10x1.5

SILICONE AND BUTYL ON SURFACE



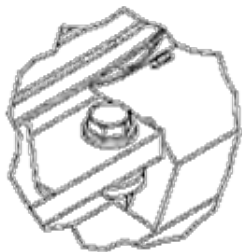
- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x30L



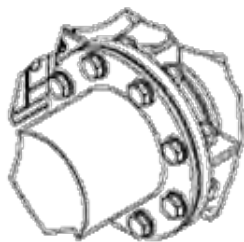
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

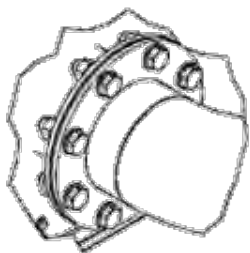
➤ Step 9 : Install water pipe and Ball Float Valve to BASIN SECTION



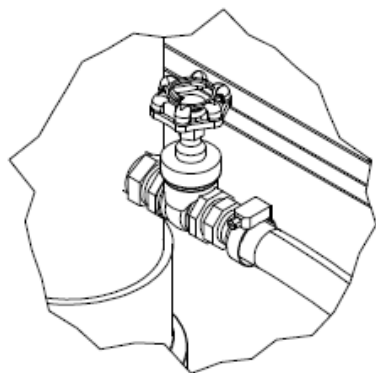
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



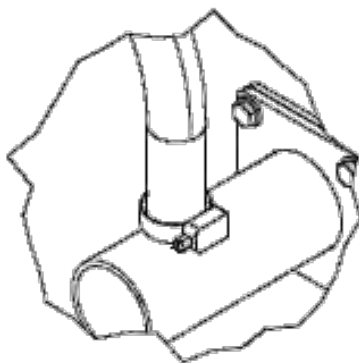
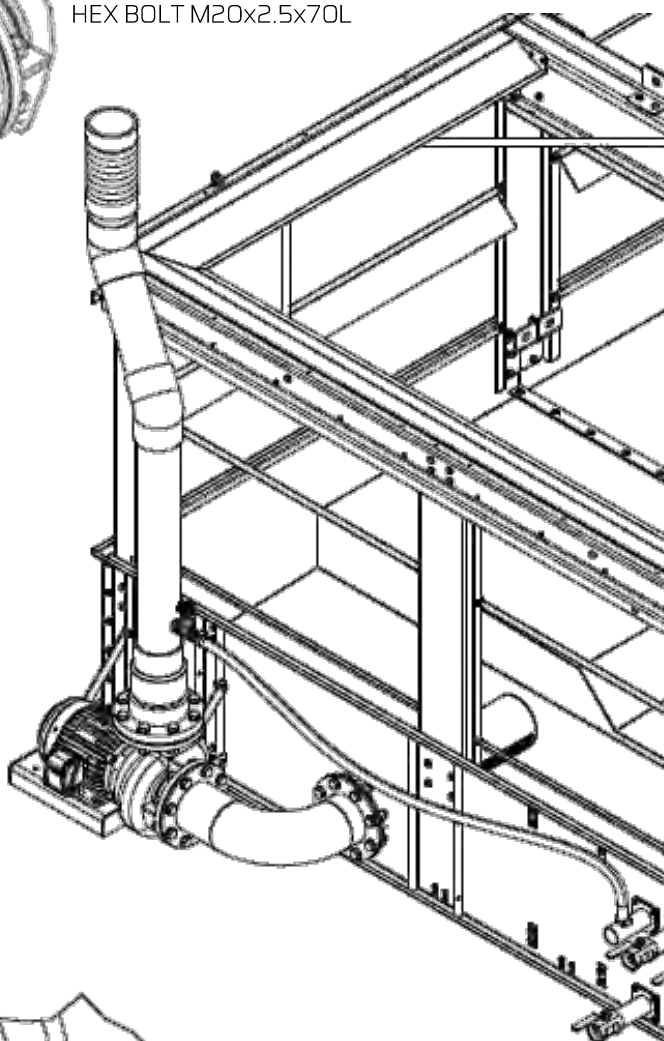
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L



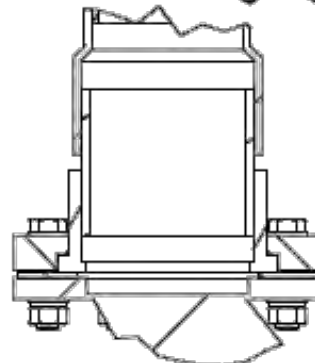
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



HOSE CLAMP 1"
 TEXTILE HOSE 1"



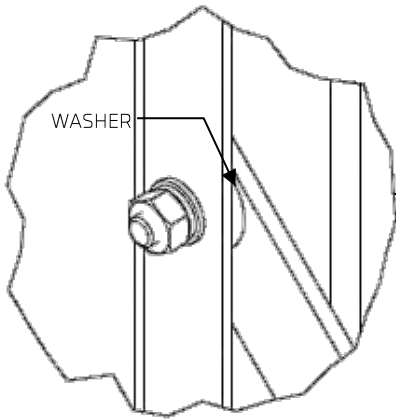
HOSE CLAMP 1"
 TEXTILE HOSE 1"



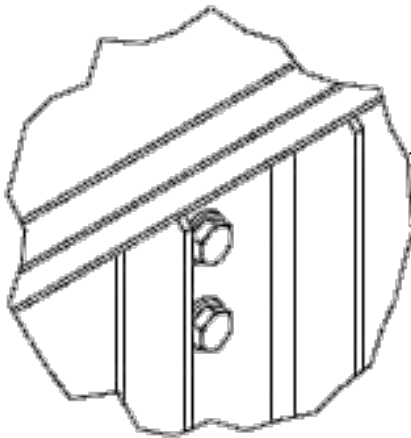
HEX BOLT M20 x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

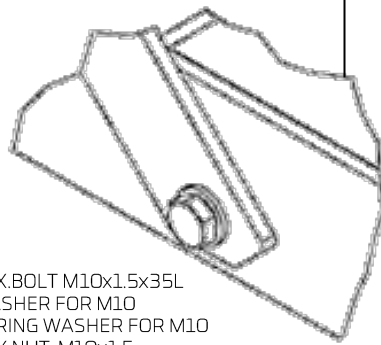
➤ Step 10 : Pump set assembly and install to BASIN SECTION



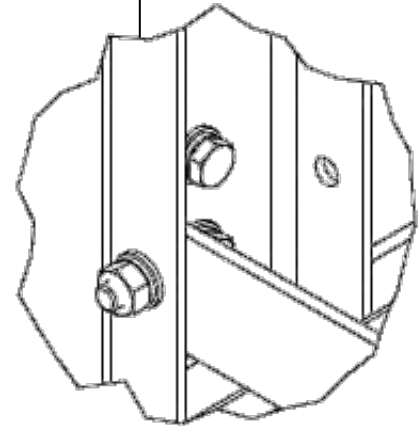
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



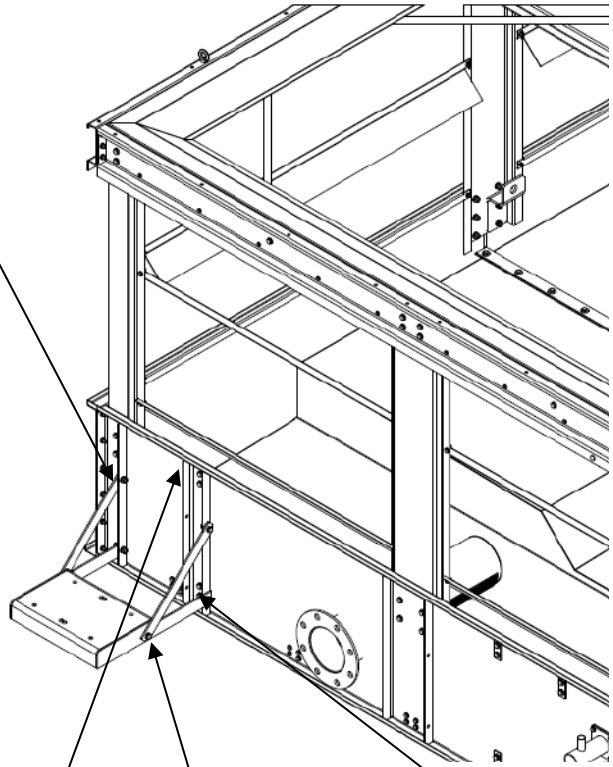
HEX.BOLT M10x1.5x25L
WASHER FOR M10
HEX.NUT LOCK M10x1.5



HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

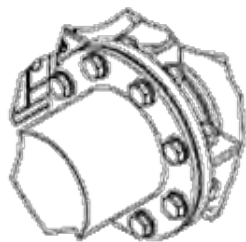
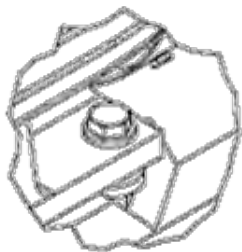


HEX.BOLT M10x1.5x30L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



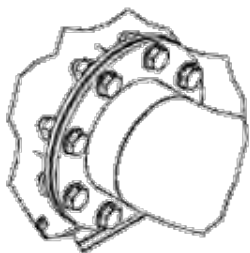
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

➤ Step 10 : Pump set assembly and install to BASIN SECTION

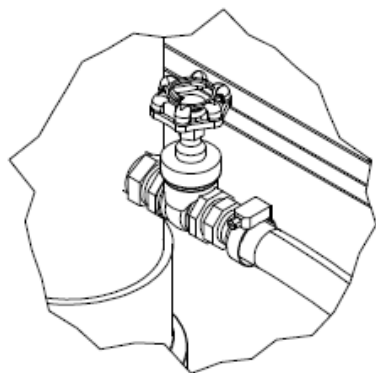
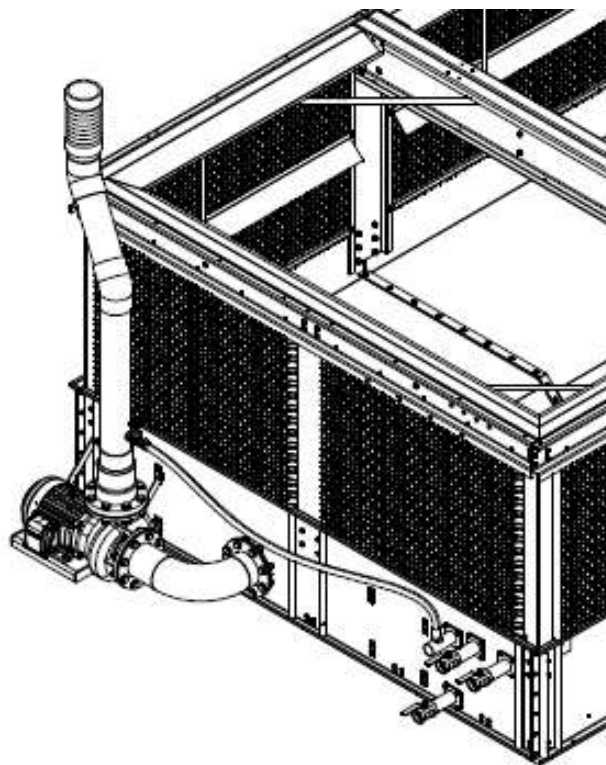


HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L

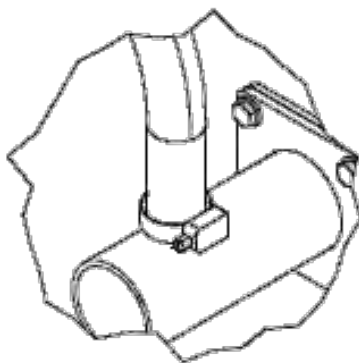
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



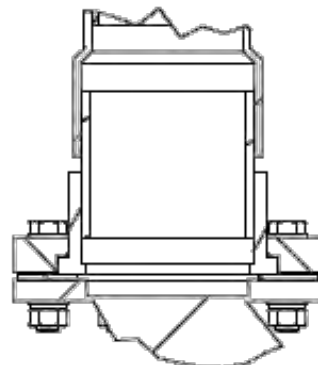
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



HOSE CLAMP 1"
 TEXTILE HOSE 1"



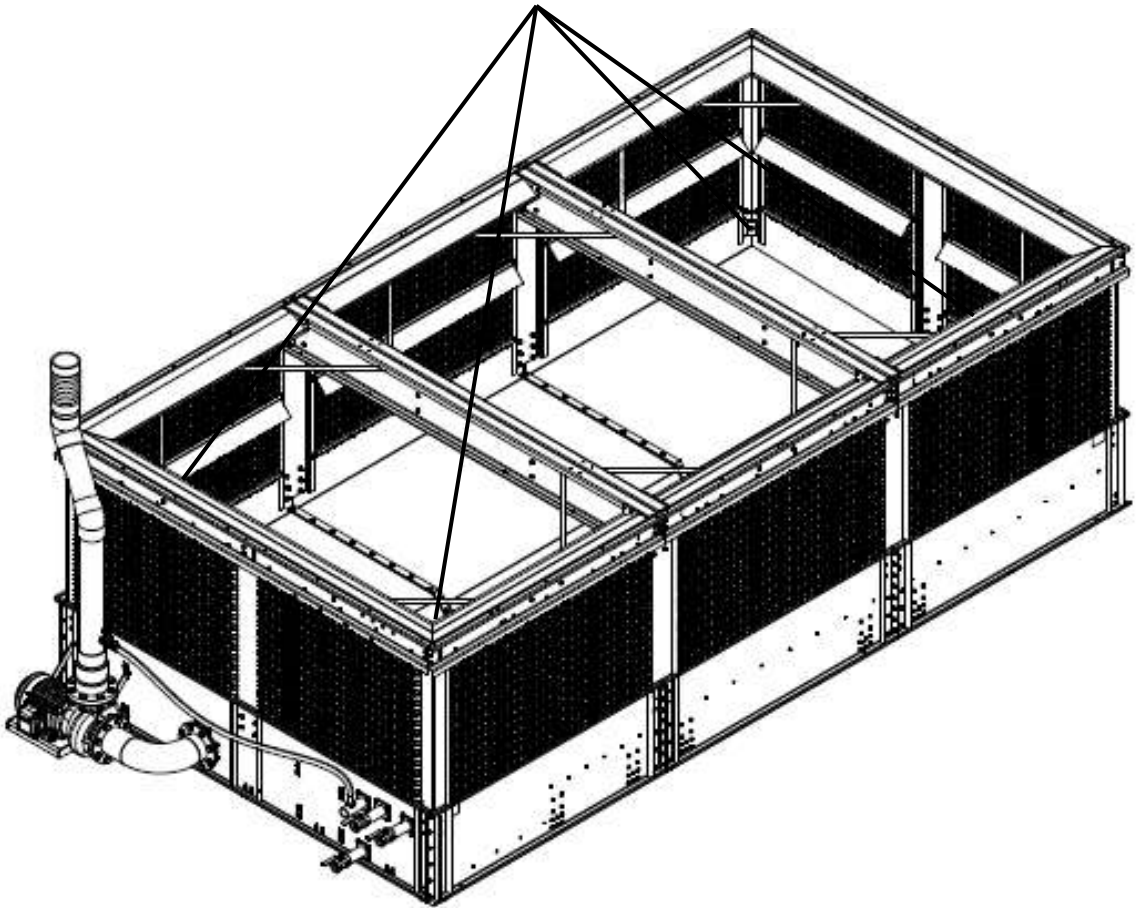
HOSE CLAMP 1"
 TEXTILE HOSE 1"



HEX BOLT M20x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

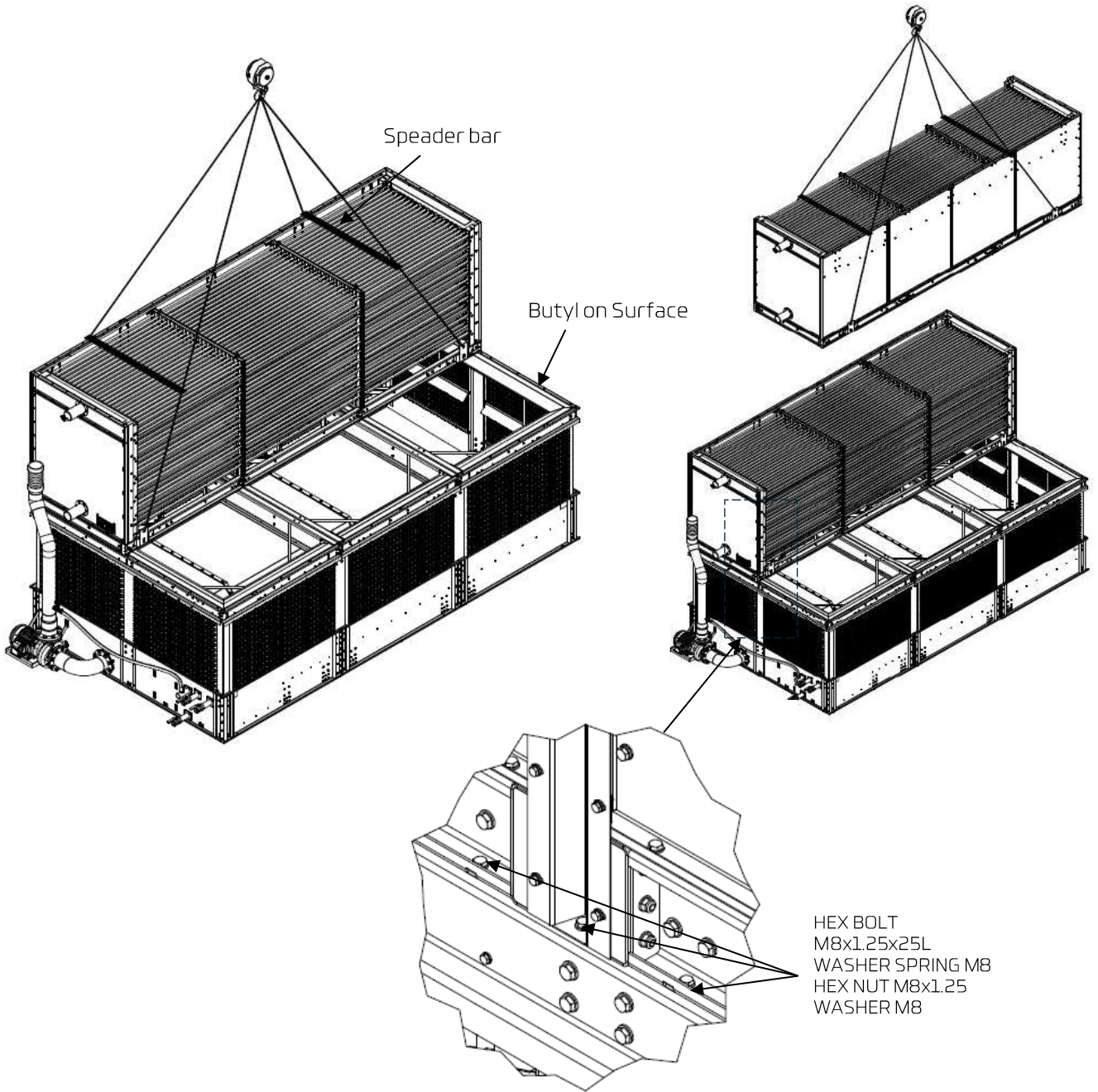
Move BASIN SECTION to position



TIGHTENING TORQUE (A2-70)

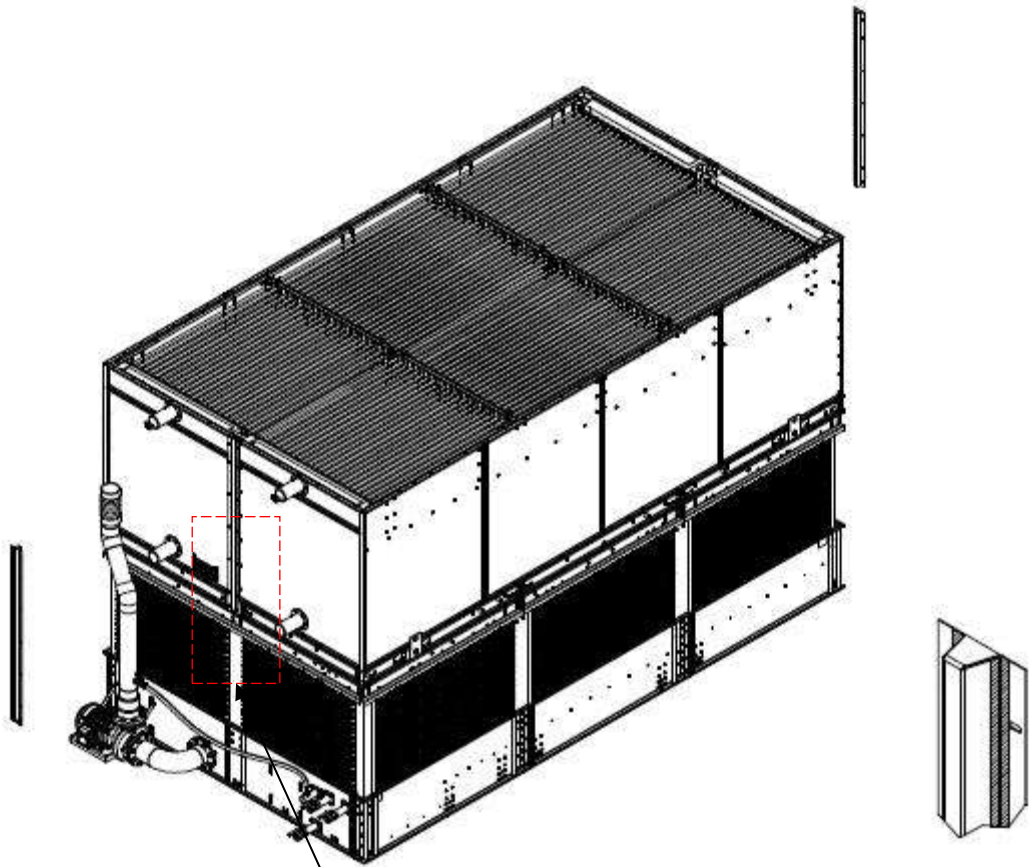
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

>> Assembly Coil Section L and R on Basin



TIGHTENING TORQUE (A2-70)

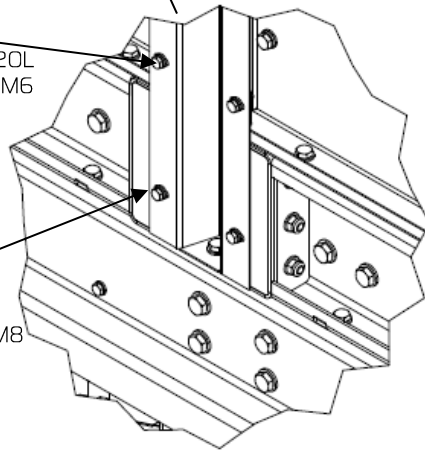
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BUTYL ON SURFACE

HEX BOLT M6x1x20L
WASHER SPRING M6
HEX NUT M6x1
WASHER M6

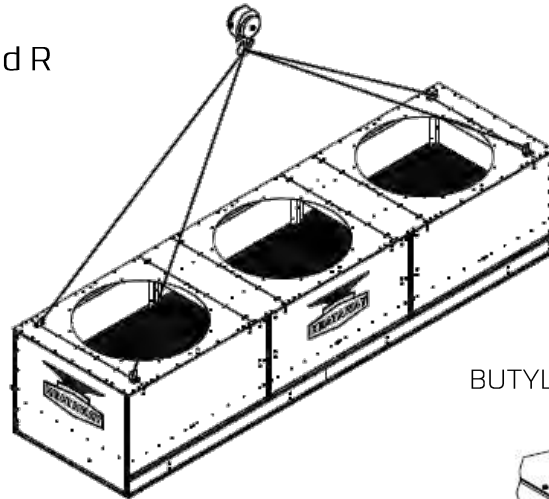
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



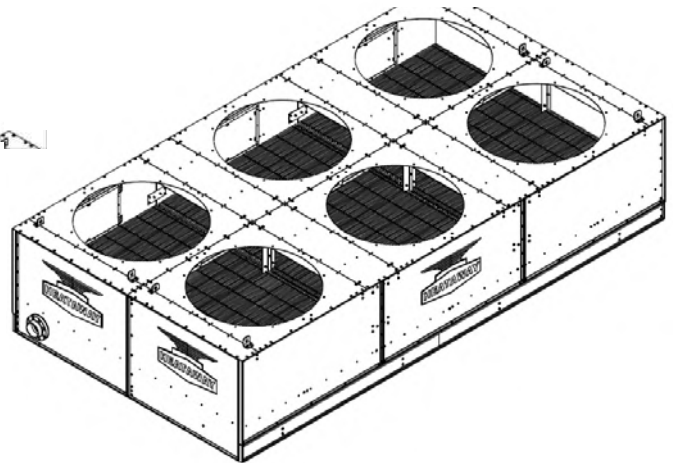
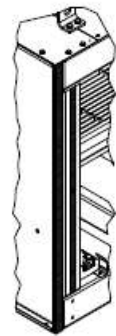
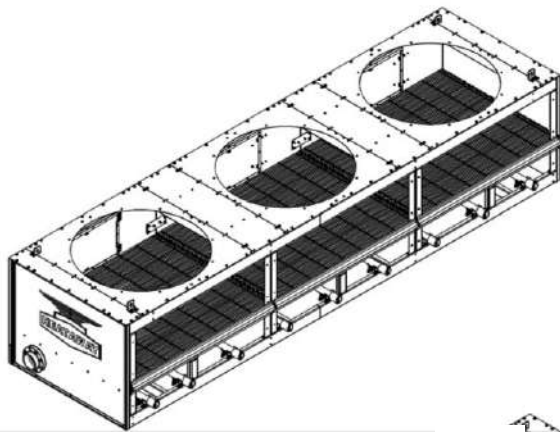
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

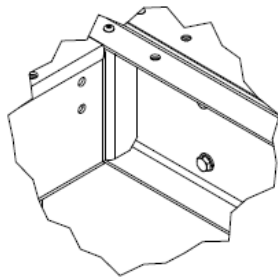
>> Assembly FAN Section L and R



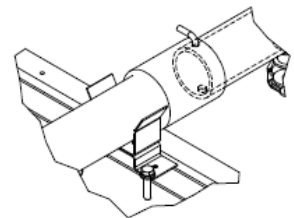
BUTYL ON SURFACE



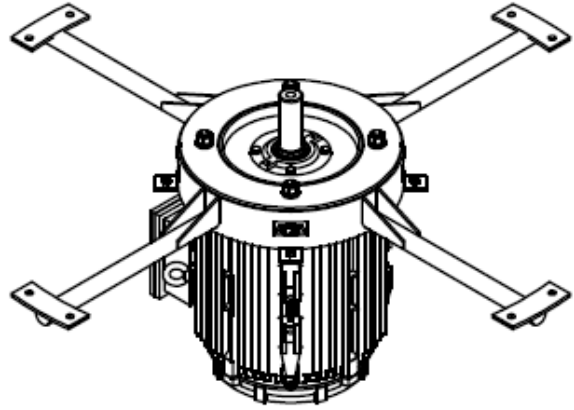
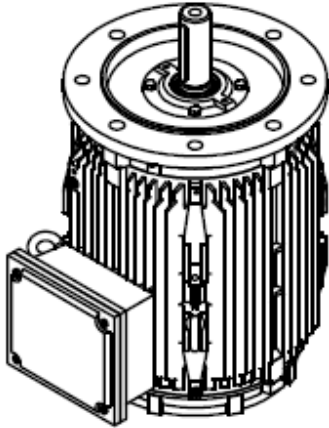
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



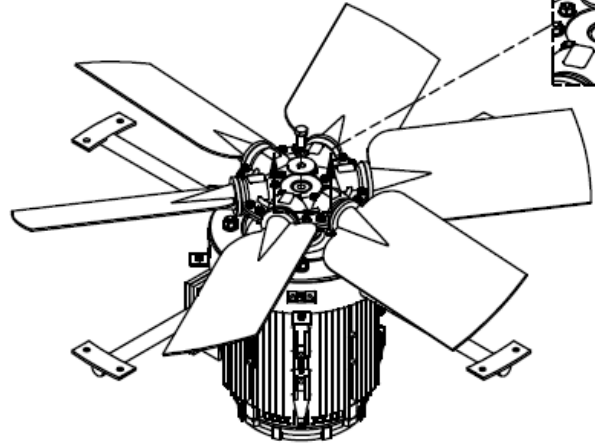
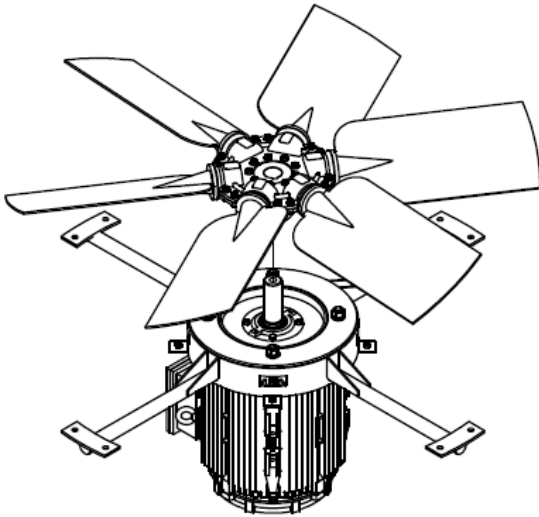
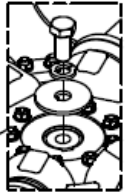
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



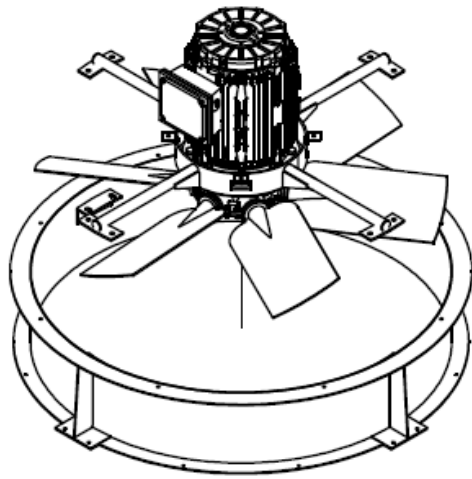
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



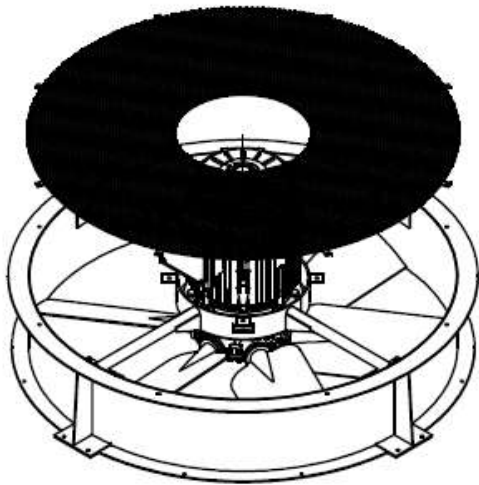
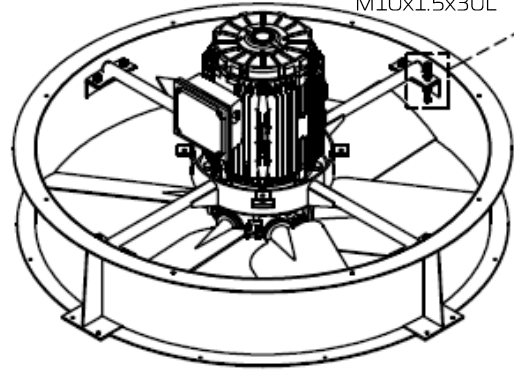
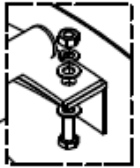
HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT M16x1.5x60L



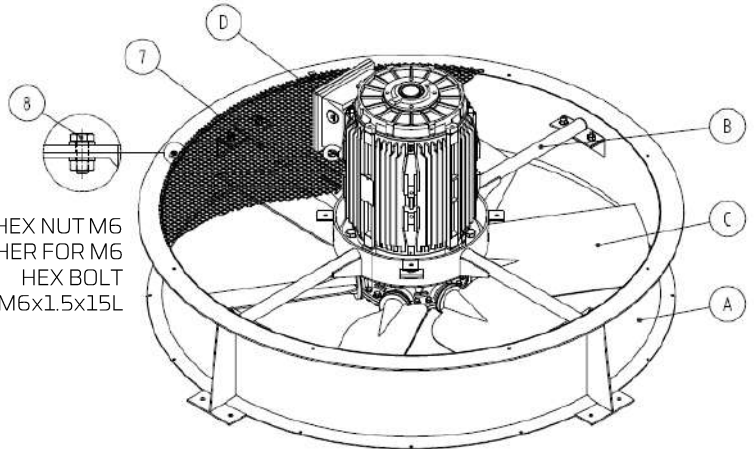
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



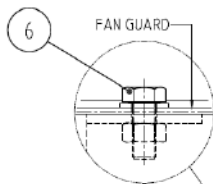
HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L



HEX NUT M6
 WASHER FOR M6
 HEX BOLT
 M6x1.5x15L



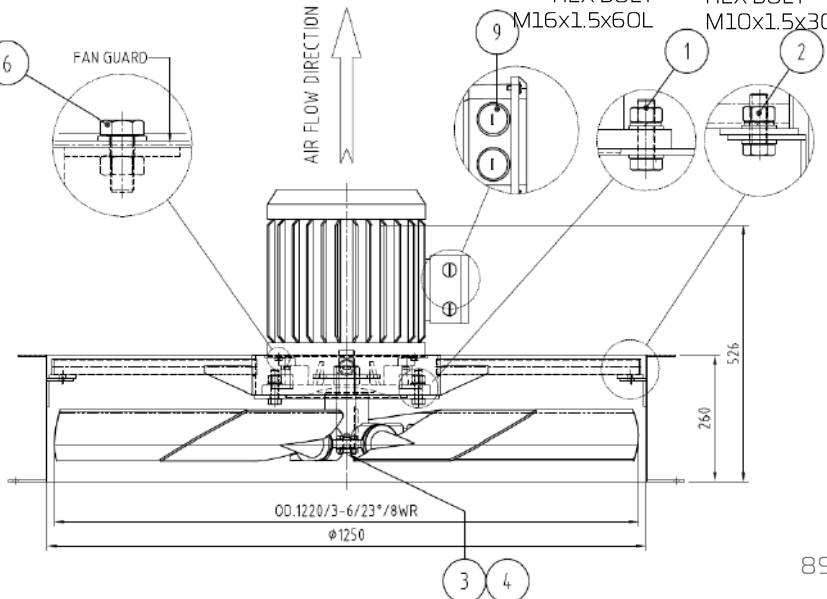
HEX NUT M8
 WASHER FOR M8
 HEX BOLT
 M8x1.5x15L



HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT
 M16x1.5x60L

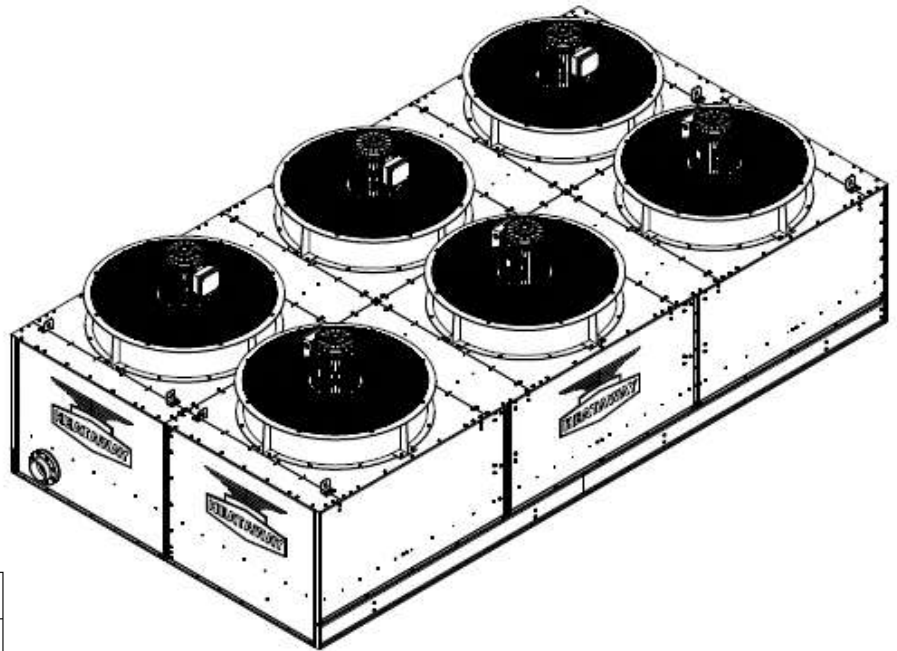
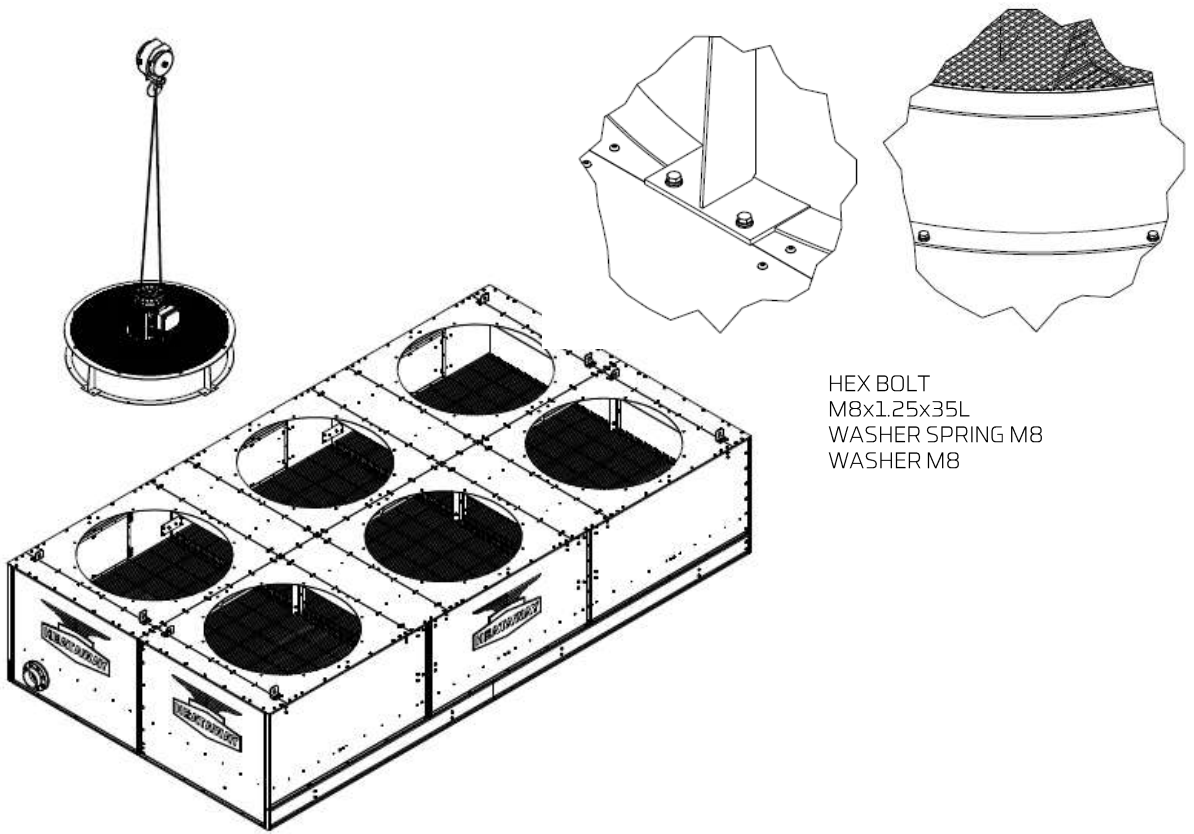
HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L

AIR FLOW DIRECTION



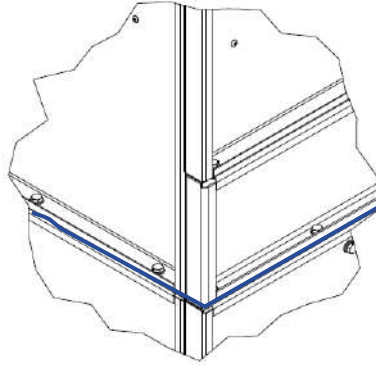
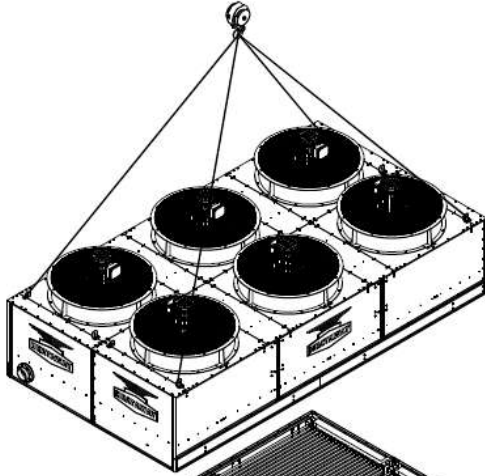
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

>> Install FAN set With Motor to FAN Section



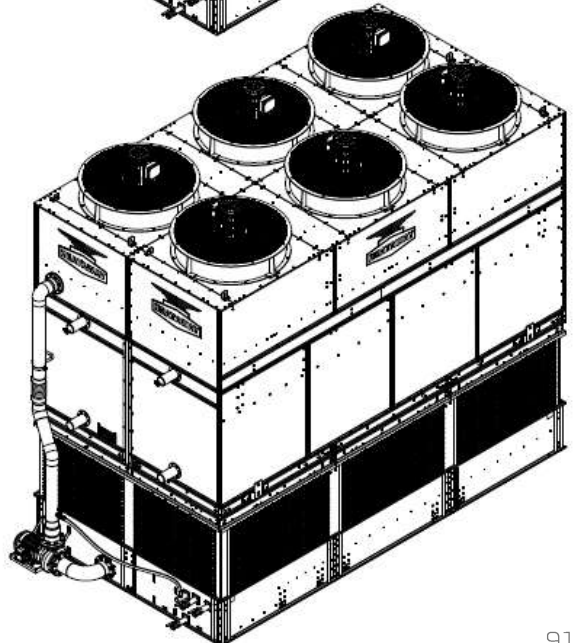
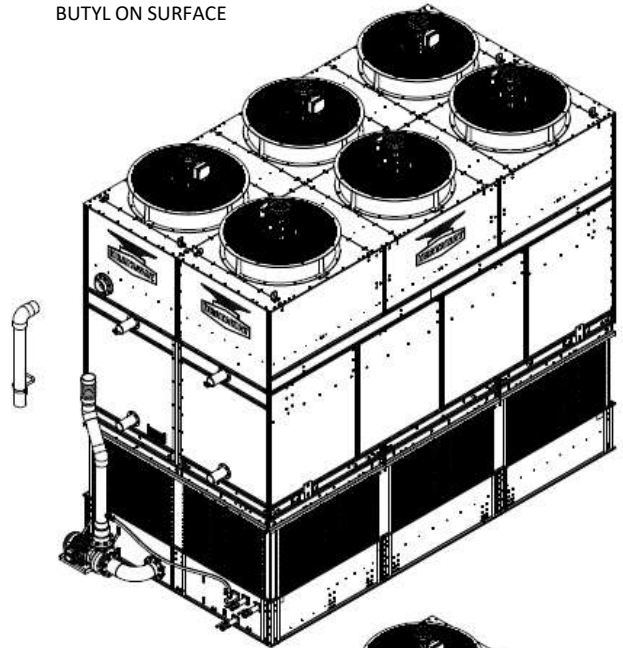
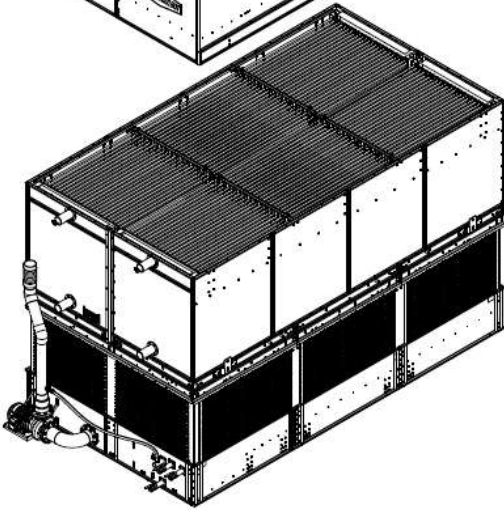
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

>> Install FAN Section



HEX BOLT M8x1.25x20L
 WASHER SPRING M8
 WASHER M8
 HEX NUT M8 1.25

BUTYL ON SURFACE



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

Footprint

12' X 12'

Model

EC9-1650-1212C-S

EC9-1800-1212C-M

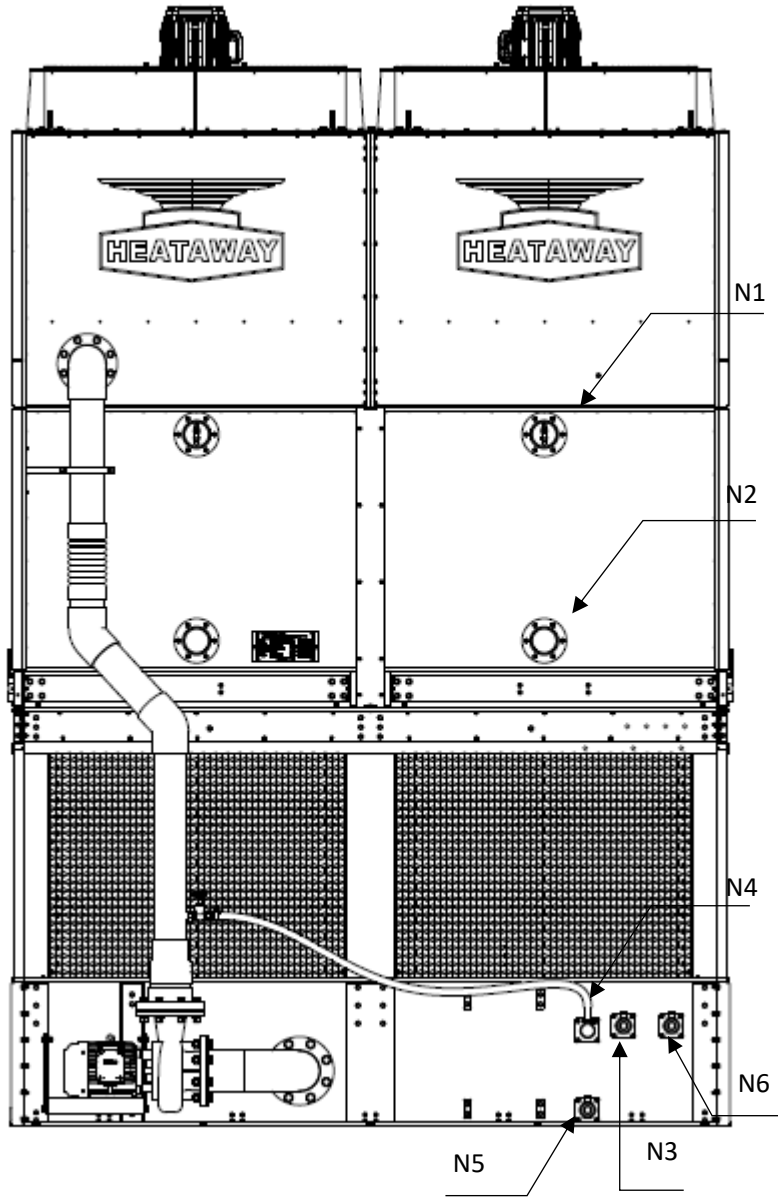
EC9-1950-1212C-L

EC9-2030-1212C-M

EC9-2220-1212C-M

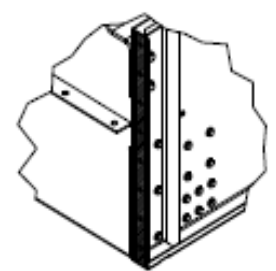
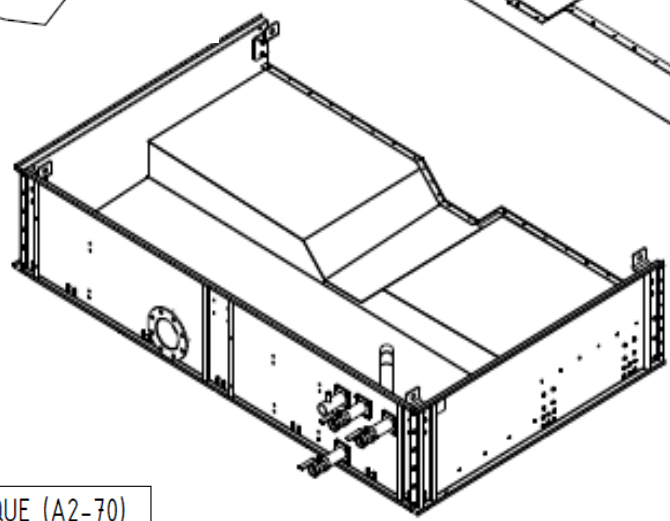
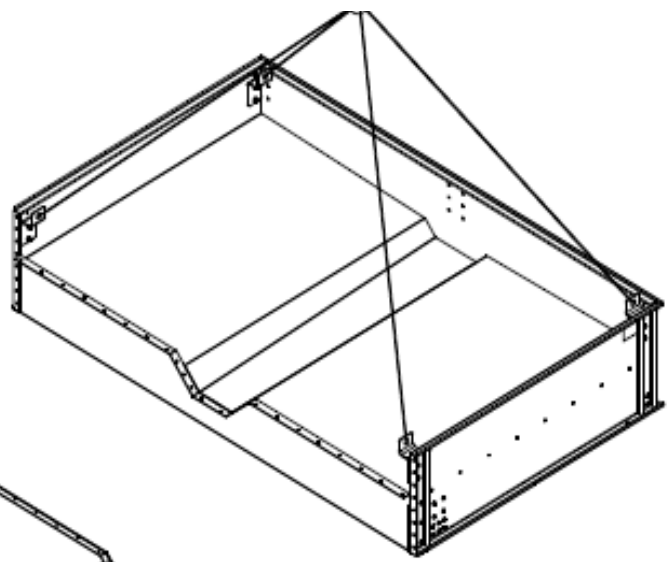
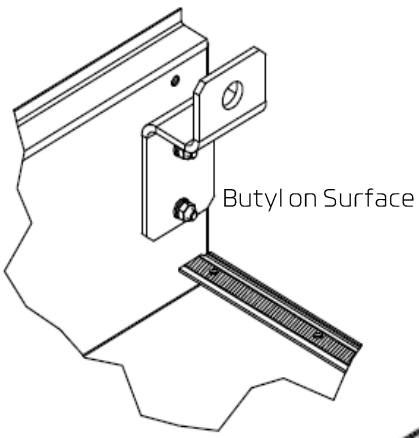
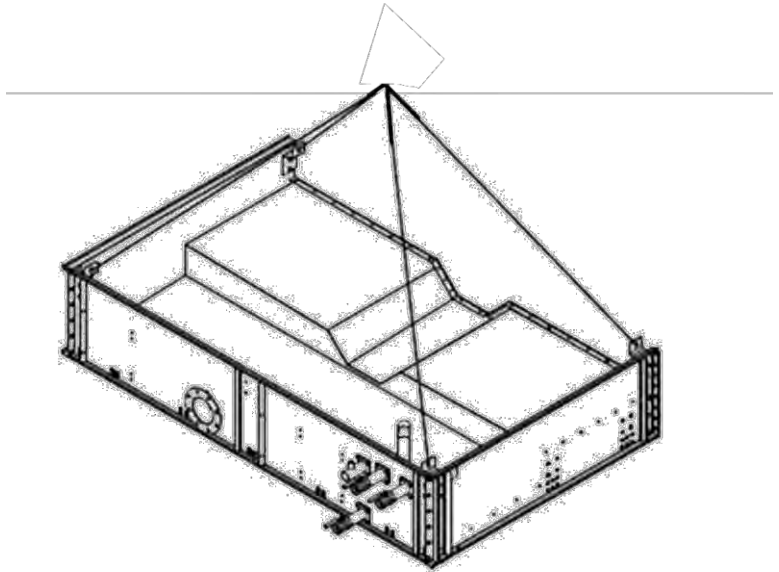
EC9-2400-1212C-L





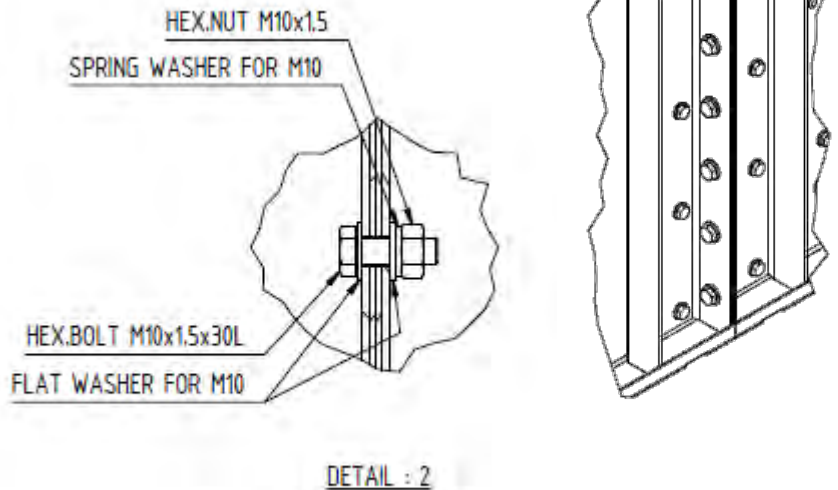
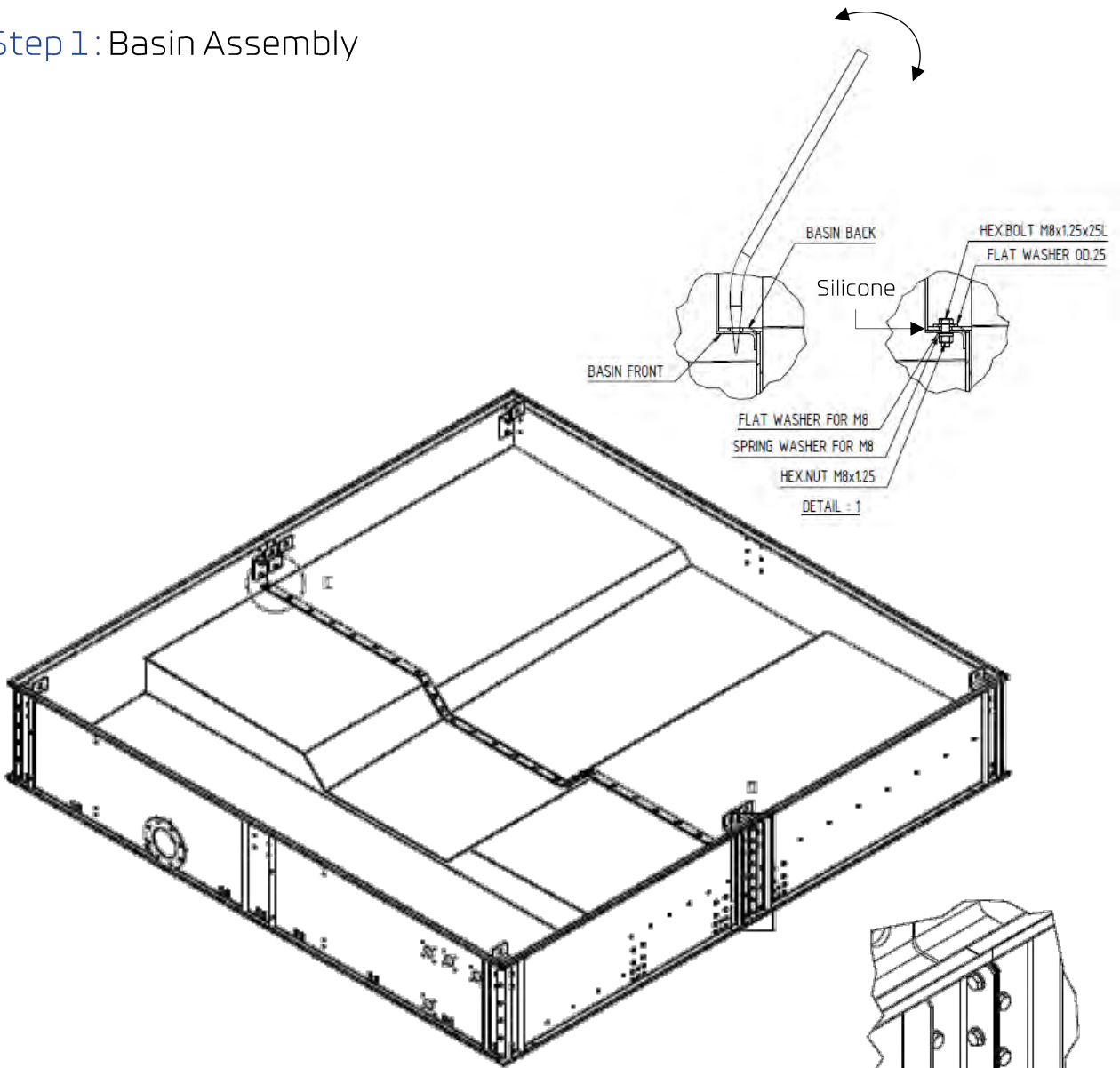
PIPING CONNECTION					
MARK	DESCRIPTION	Q'TY	SIZE	THREAD	VALVE
N1	REFRIGERANT INLET	2	4"	-	-
N2	REFRIGERANT OUTLET	2	4"	-	-
N3	MAKE UP WATER	1	2"	BSPT(F)	BALL VALVE
N4	OVER FLOW	1	2"	BSPT(M)	-
N5	DRAIN	1	2"	BSPT(F)	BALL VALVE
N6	QUICK REFILL	1	2"	BSPT(F)	BALL VALVE

Step 1: Basin Assembly



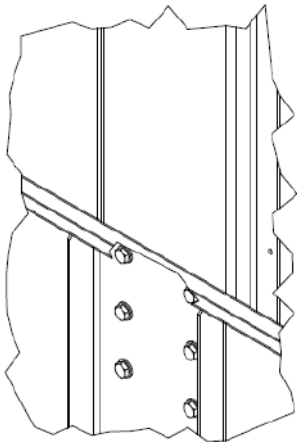
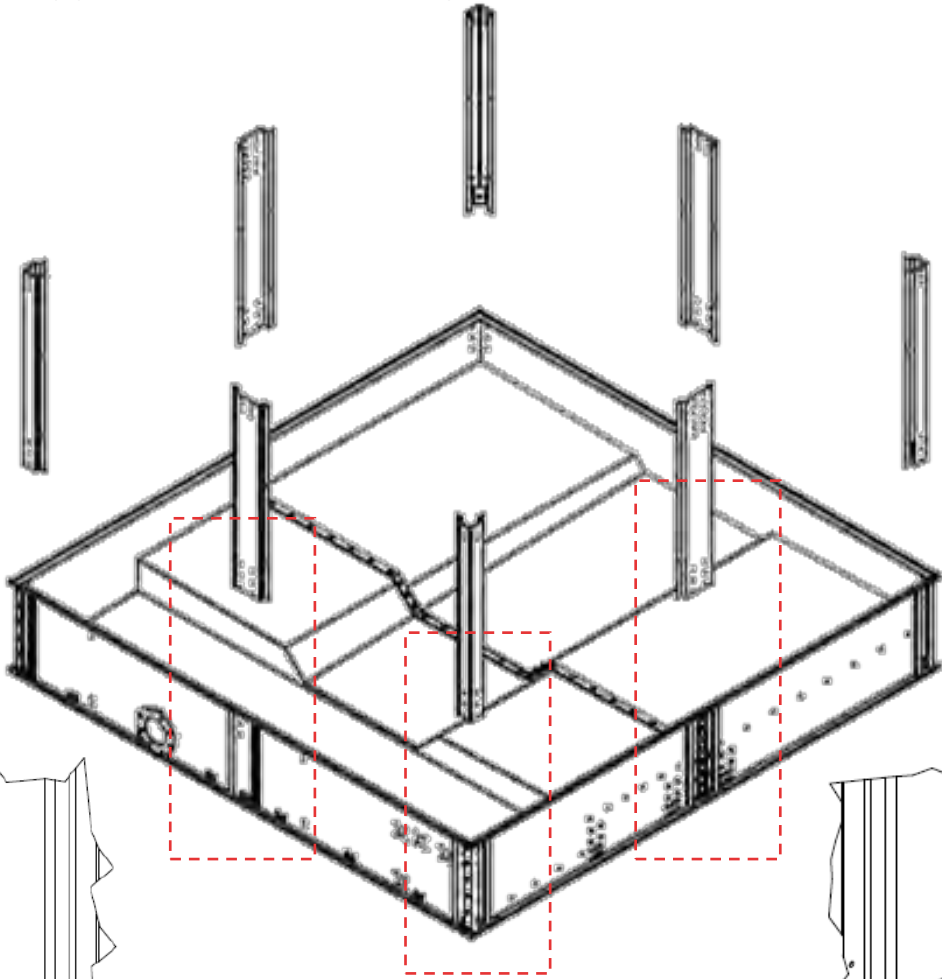
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 1: Basin Assembly



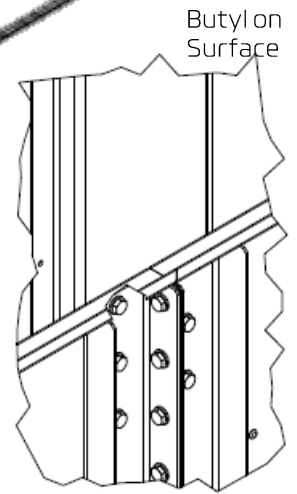
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 2 : Support Frame Assembly



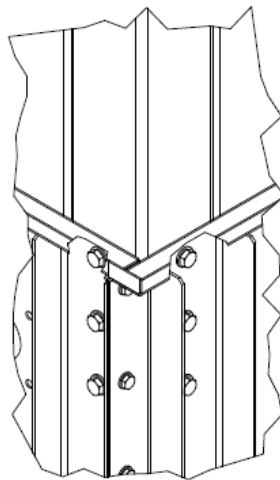
Butyl on Surface

HEX BOLT
M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER
M10



Butyl on Surface

HEX BOLT
M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER
M10

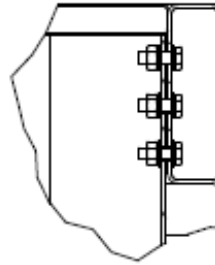
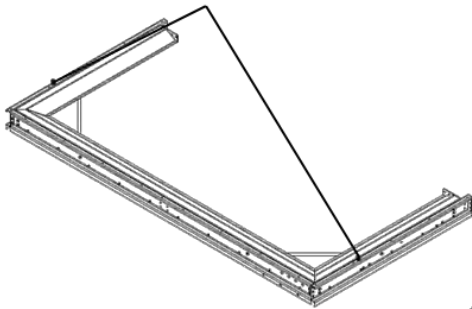


Butyl on Surface

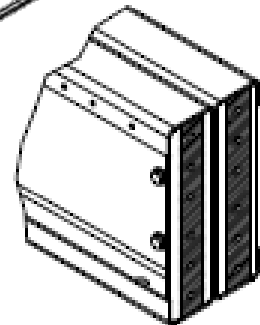
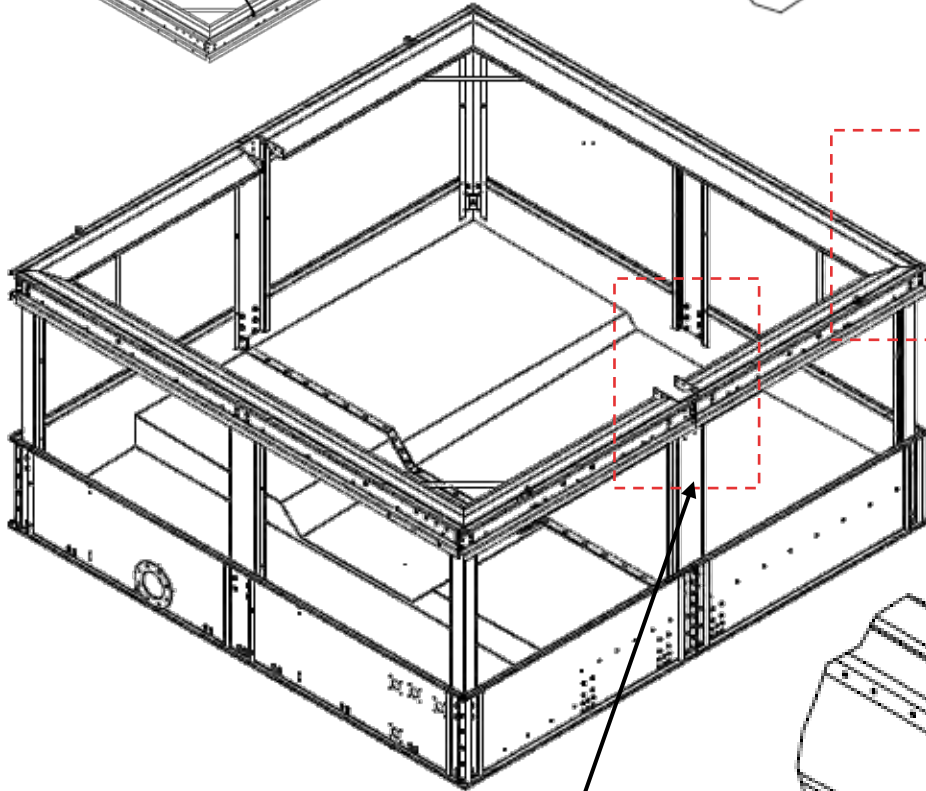
HEX BOLT
M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER
M10

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

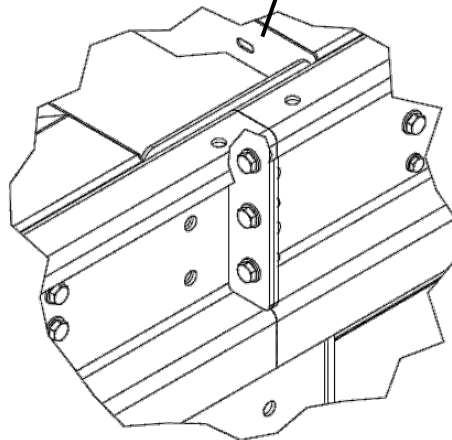
Step 3: Frame Assembly



HEX BOLT
M8x1.25x25L
HEX.LOCK NUT
M8x1.25
WASHER M8



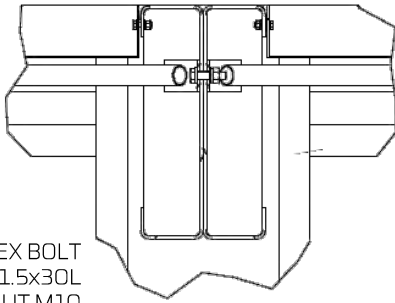
Butyl on Surface



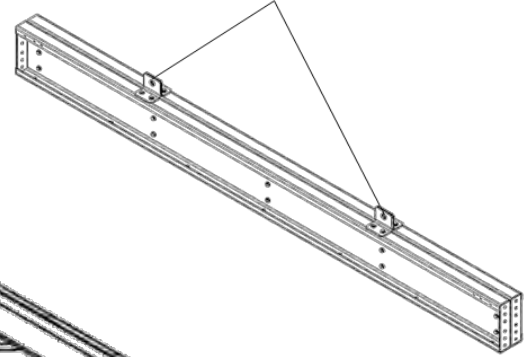
HEX BOLT
M8x1.25x25L
HEX.LOCK NUT
M8x1.25
WASHER M8

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

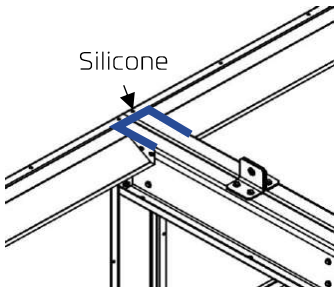
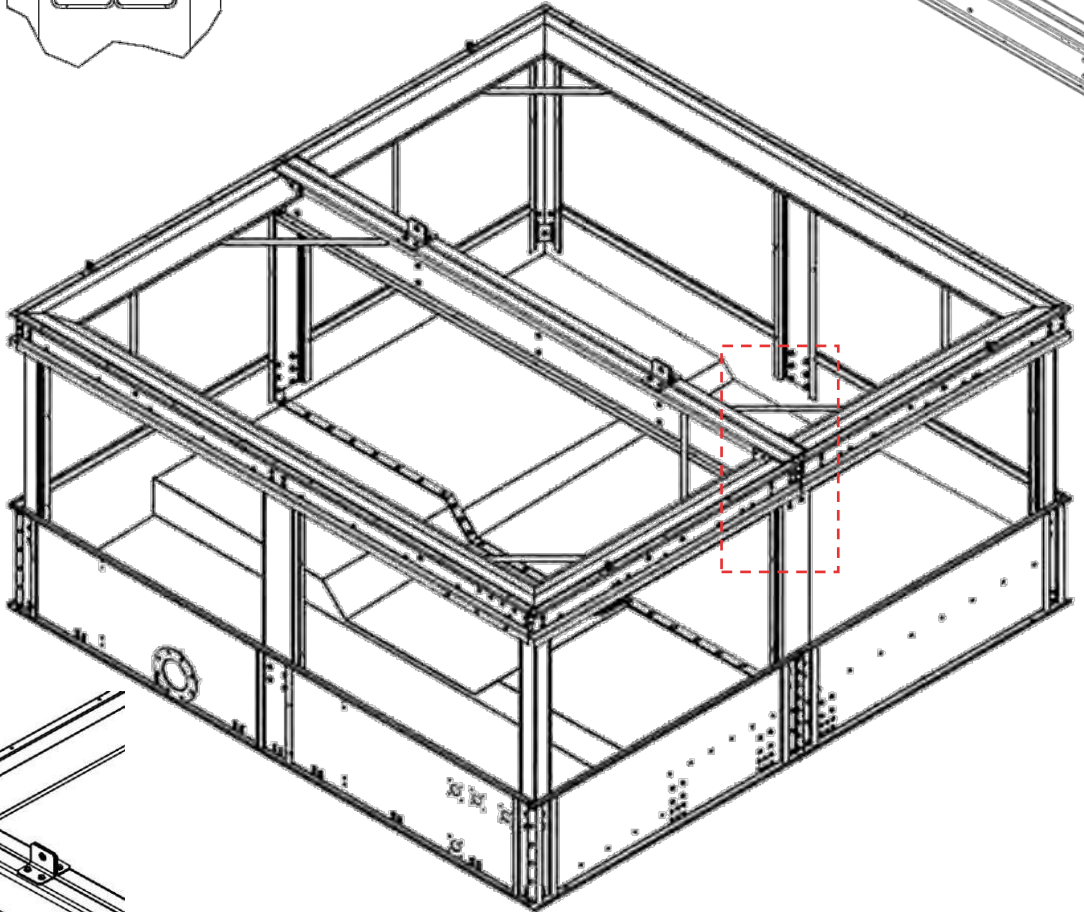
Step 4: Frame Beam and Support Assembly



HEX BOLT
M10x1.5x40L
HEX NUT M10
WASHER M10
SPRING WASHER
M10

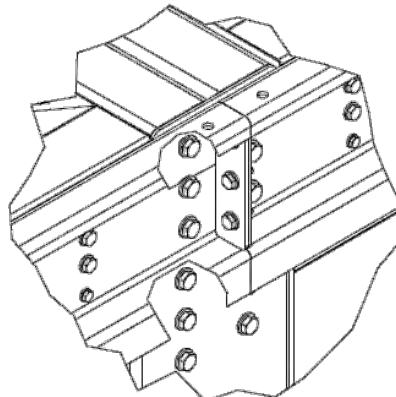


HEX BOLT
M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER
M10



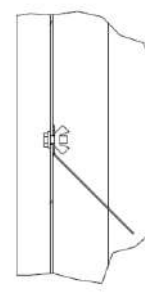
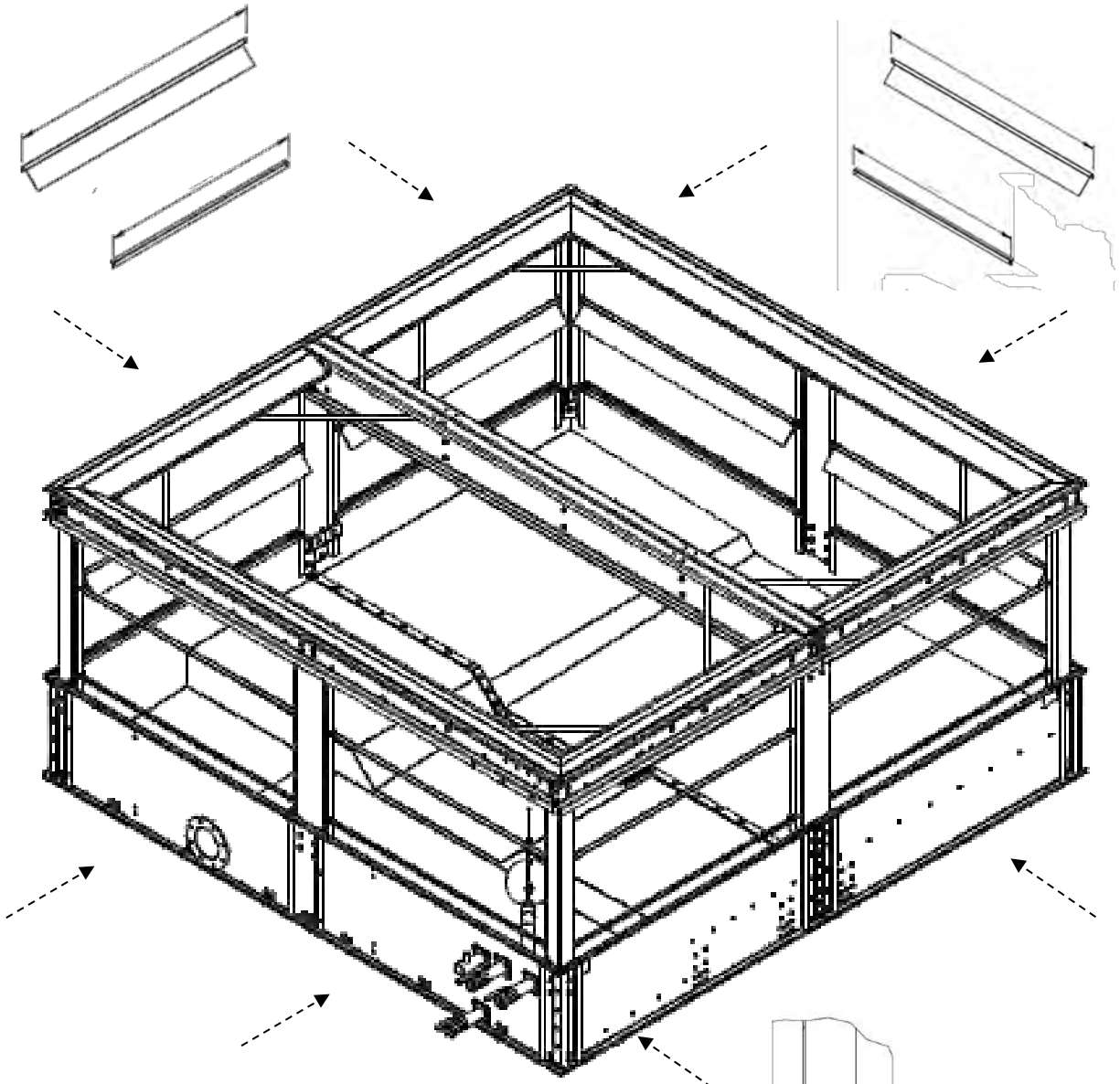
Silicone

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

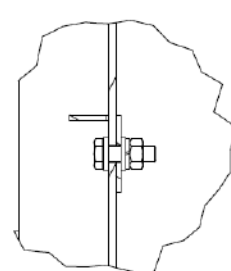


HEX BOLT
M10x1.5x30L
HEX NUT M10
WASHER M10
SPRING WASHER
M10

Step 5: Water Deflect Assembly



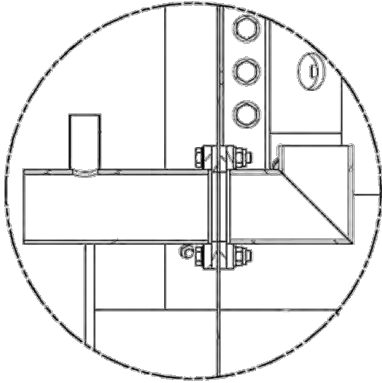
HEX BOLT
M8x1.25x20L
WING NUT M8
WASHER M8



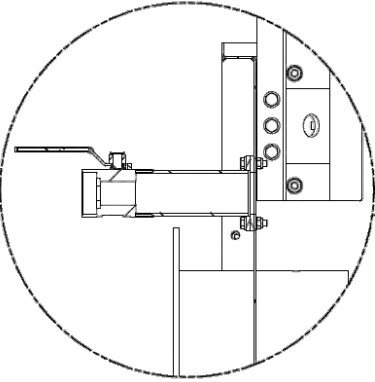
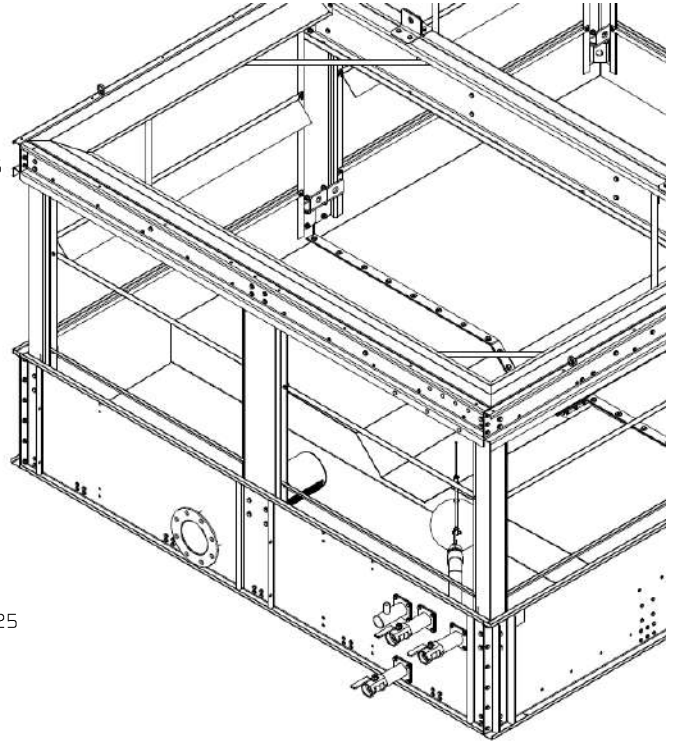
HEX BOLT
M6x1.25x20L
HEX LOCK NUT
M6x1.25
WASHER M6
SPRING WASHER M6

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

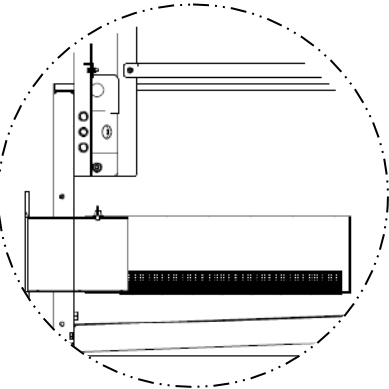
Step 6 : Piping and Valve Assembly



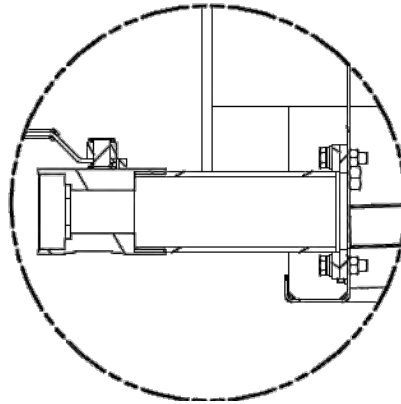
PIPE OVER FLOW
BOLT M8x1.25x40L
NR GASKET
WASHER FOR M8
HEX.LOCK NUT M8X1.25



BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25



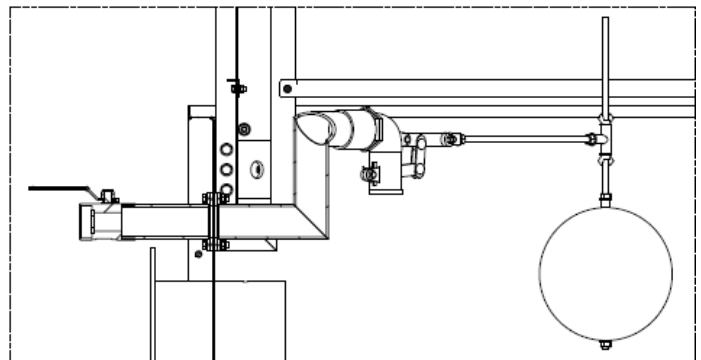
PIPE WITH STRAINER
WING SCREW - M8 x 12
WASHER



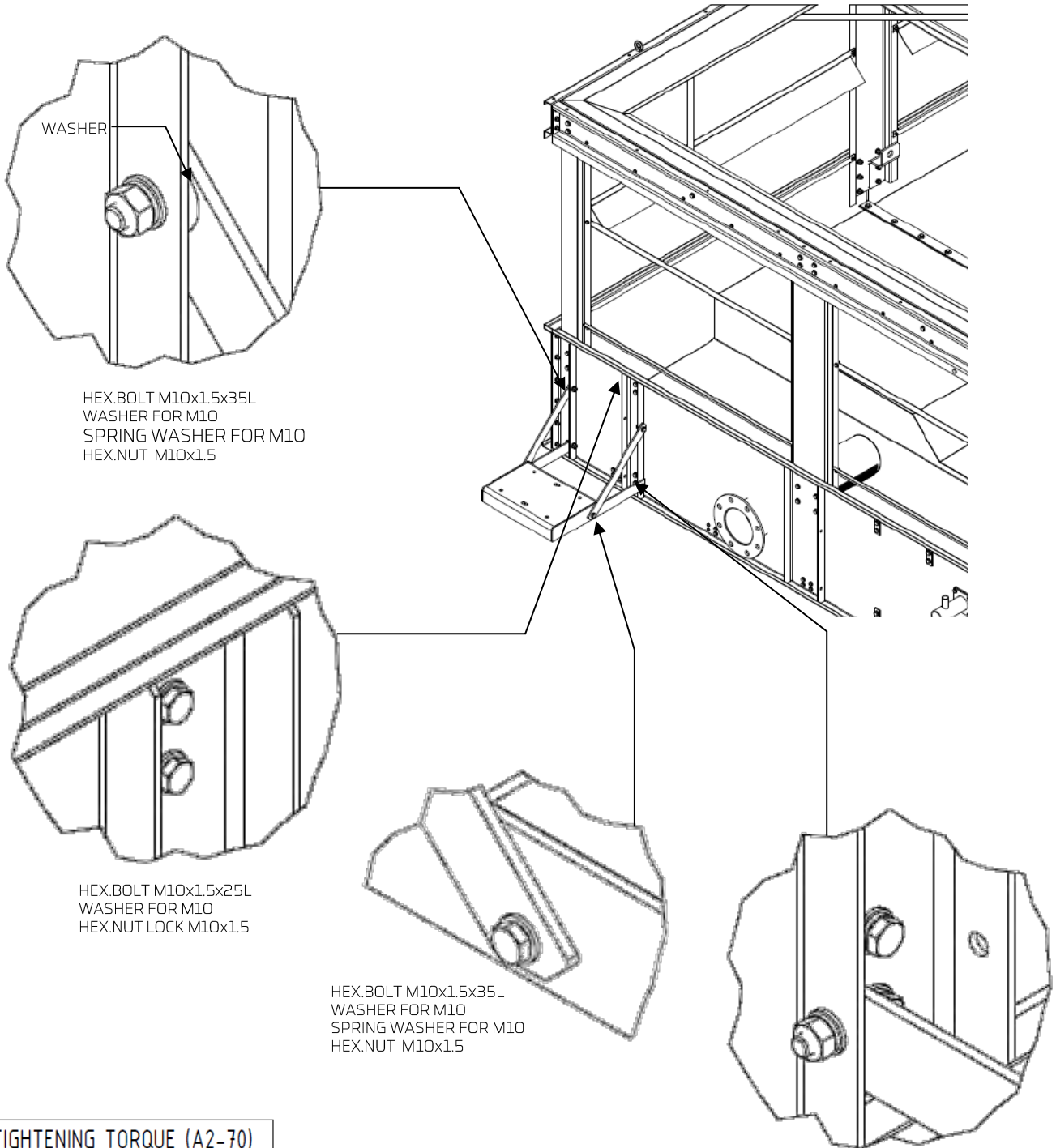
BALL VALVE
DRAIN WATER PIPE
BOLT M8x1.25x30L
SPRING WASHER M8
WASHER FOR M8
NR GASKET
HEX.LOCK NUT M8X1.25

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

BALL VALVE
FLOAT VALVE
WASHER FOR M8
NR GASKET
PIPE MAKE UP WATER 2"
FLOAT VALVE
BOLT M8x1.25x30L
SPRING WASHER M8
HEX.LOCK NUT M8X1.25

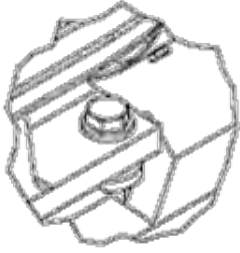


Step 7: Water Pump Base Assembly

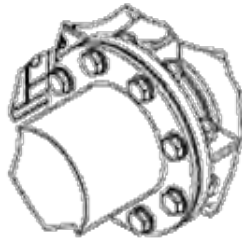


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

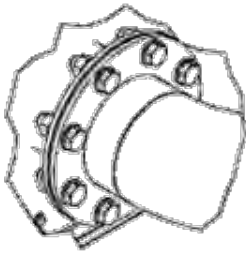
Step 8: Water Pump pipe Assembly



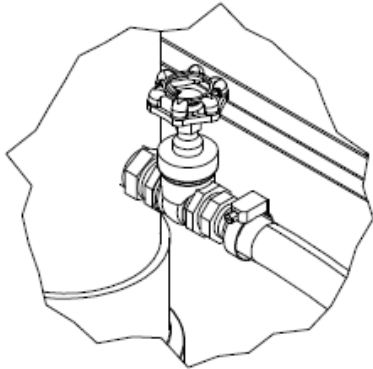
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



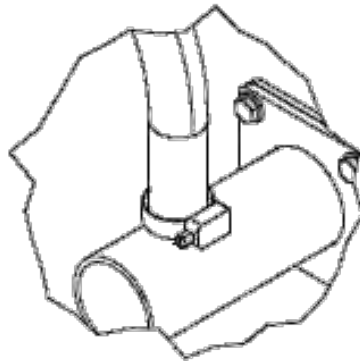
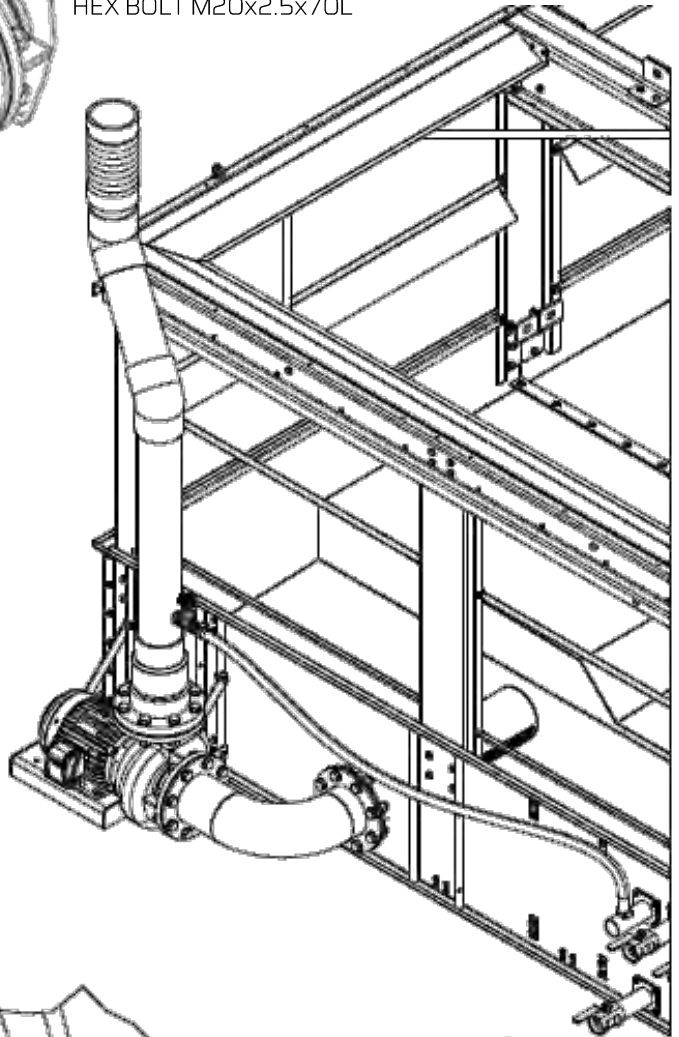
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L



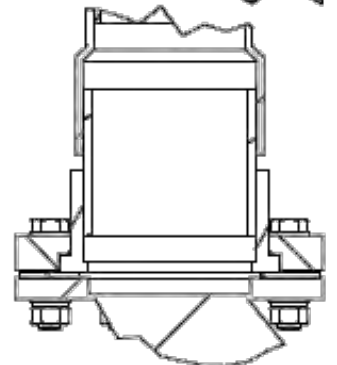
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



HOSE CLAMP 1"
 TEXTILE HOSE 1"



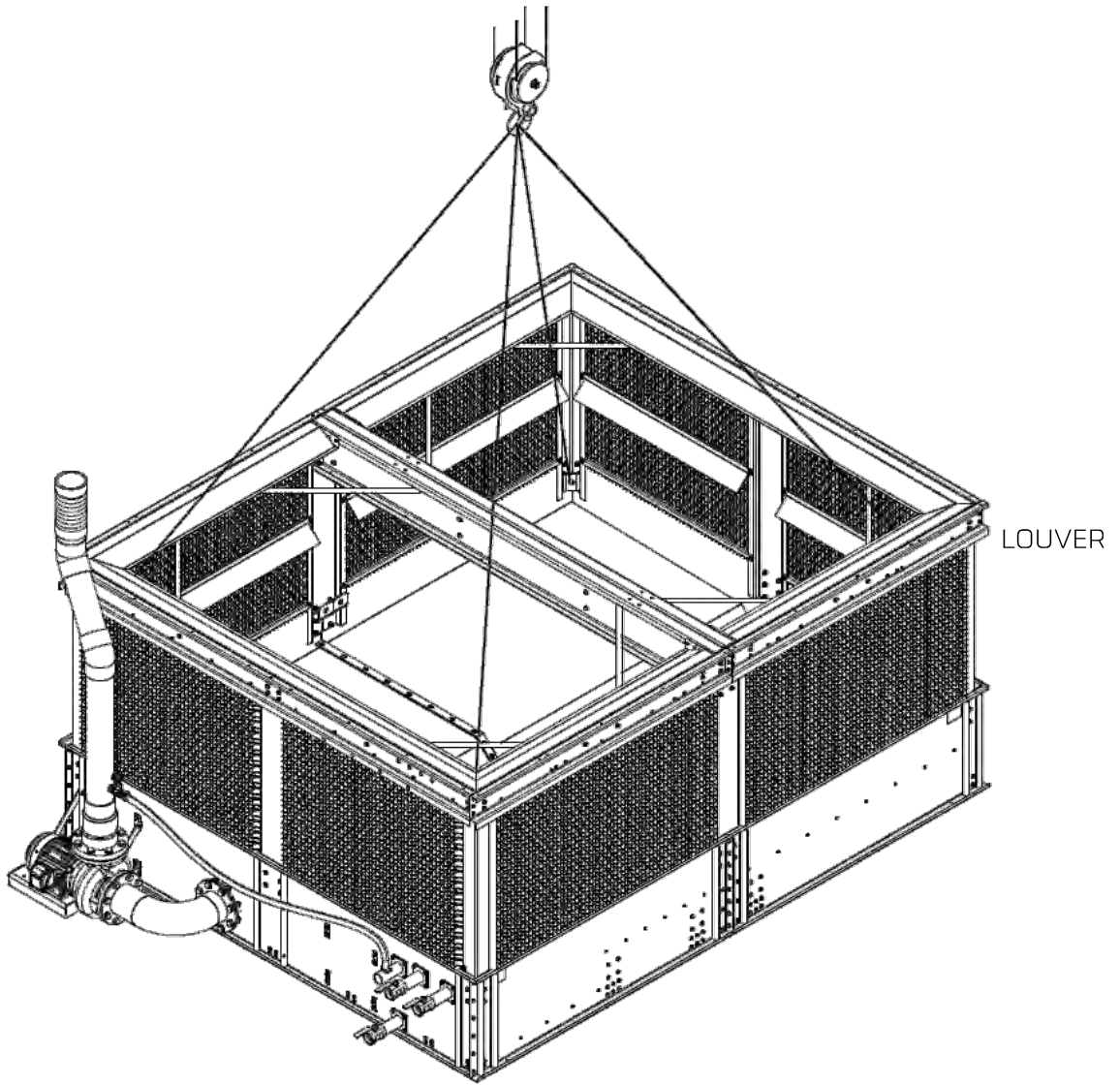
HOSE CLAMP 1"
 TEXTILE HOSE 1"



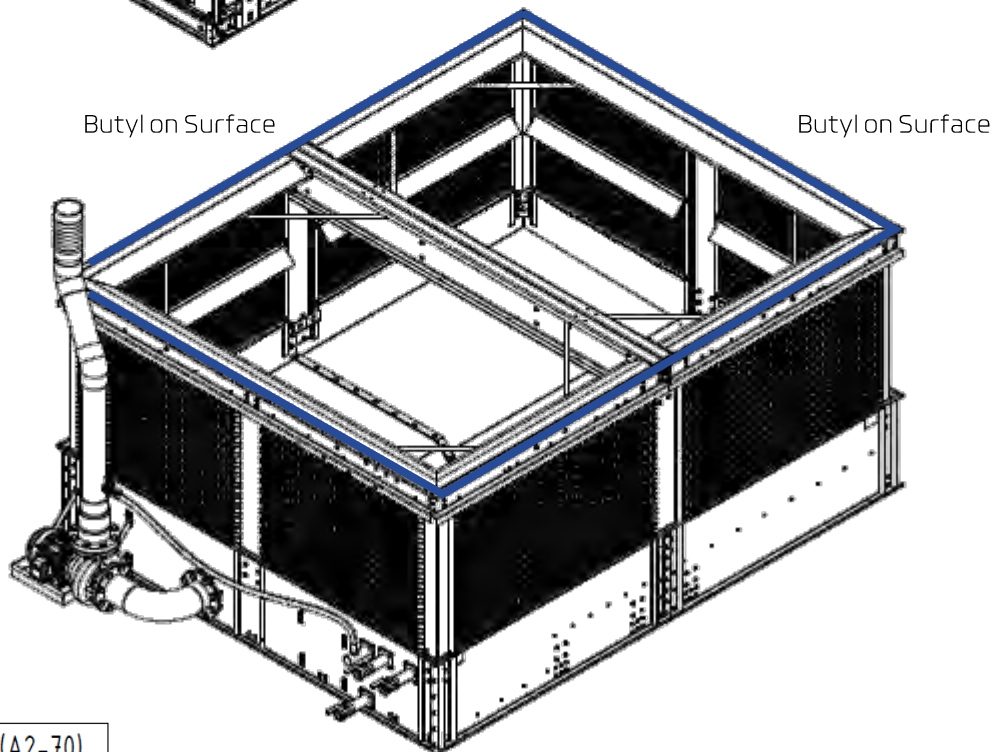
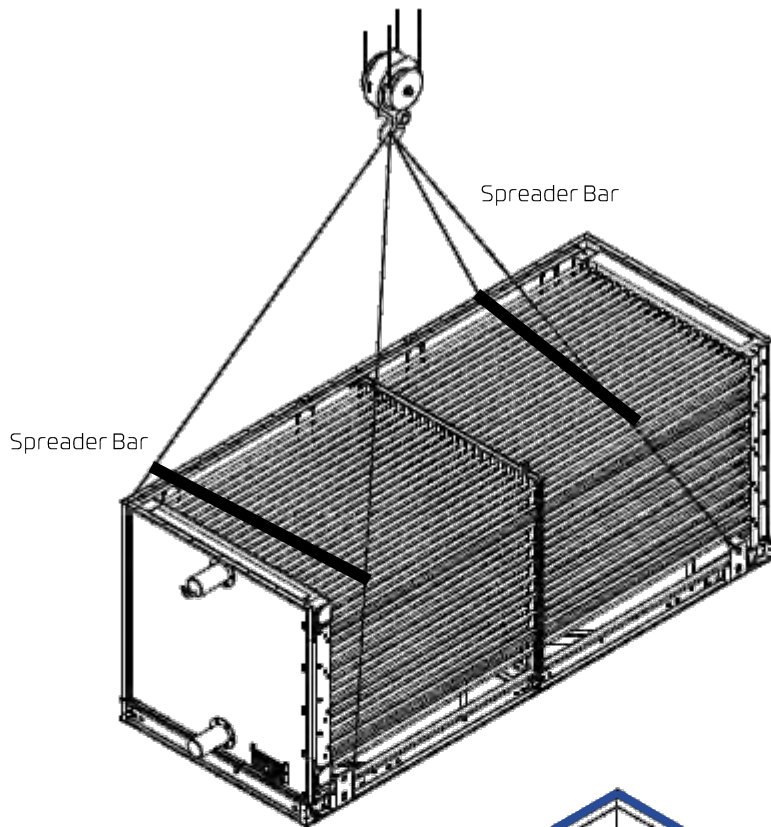
HEX BOLT M20x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

Step 9: Move Assembled Basin to Position

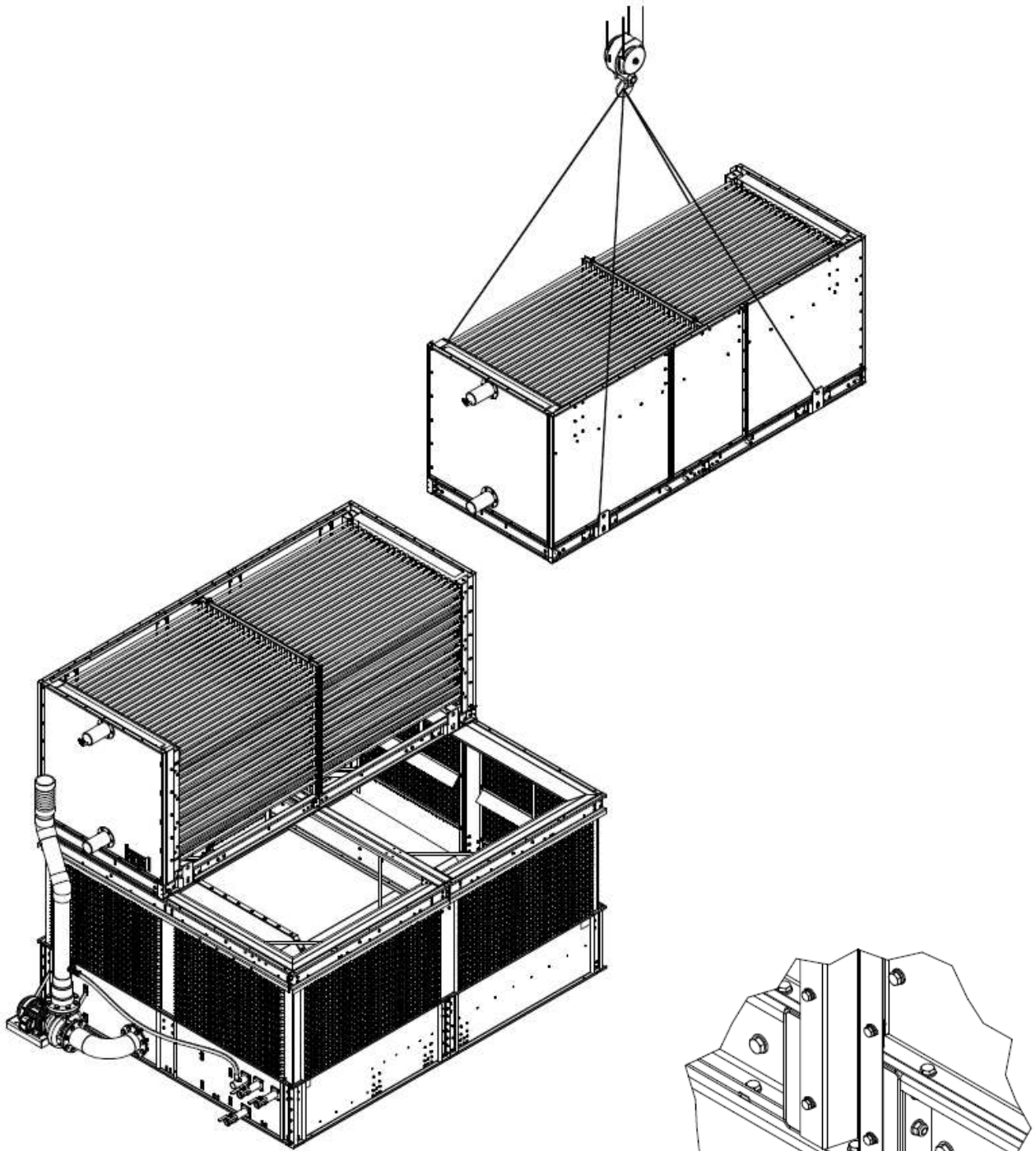


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

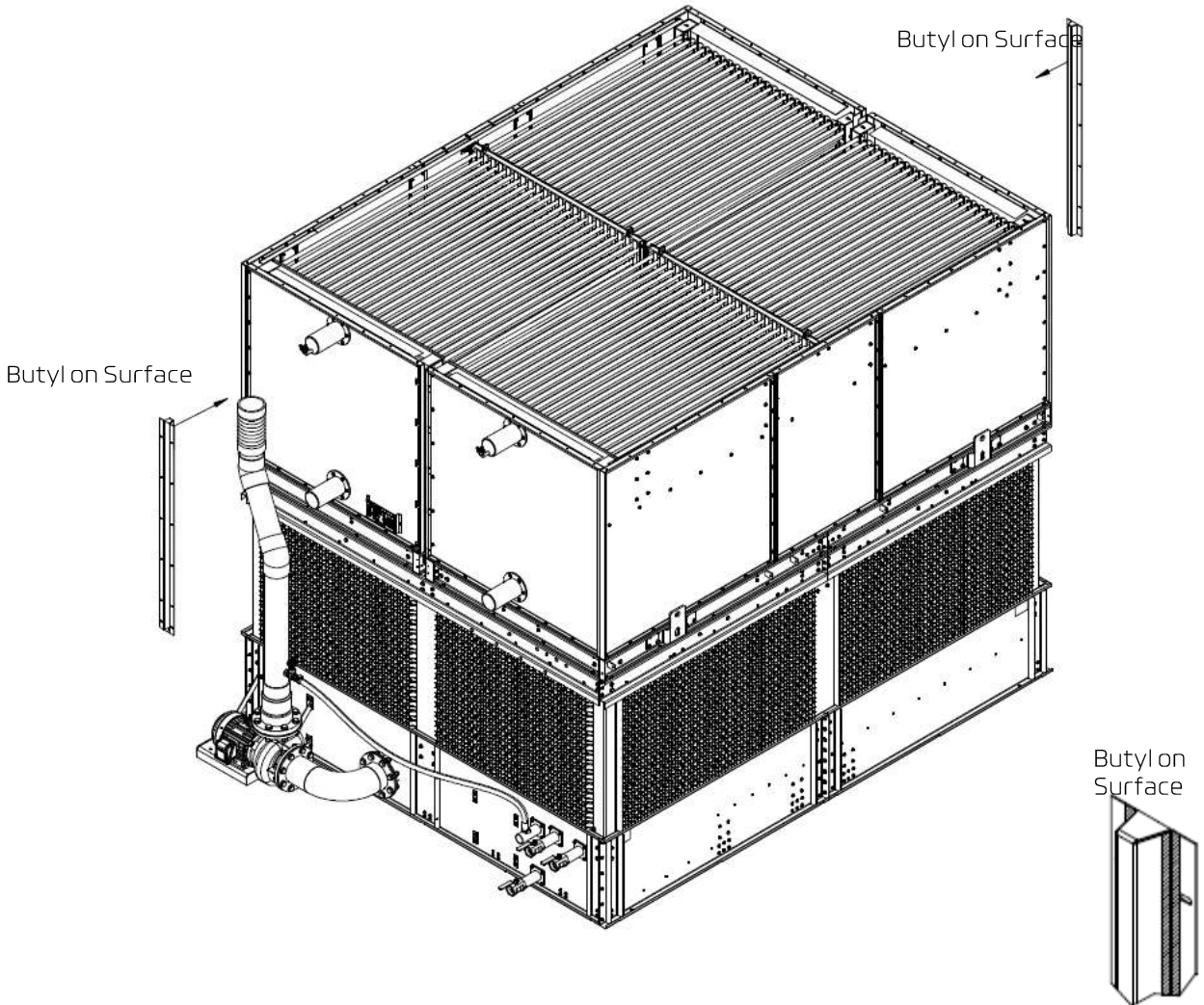
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



TIGHTENING TORQUE (A2-70)

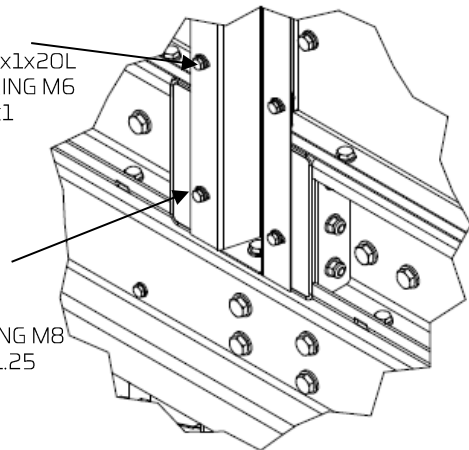
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

HEX BOLT
 M8x1.25x25L
 WASHER SPRING M8
 HEX NUT M8x1.25
 WASHER M8

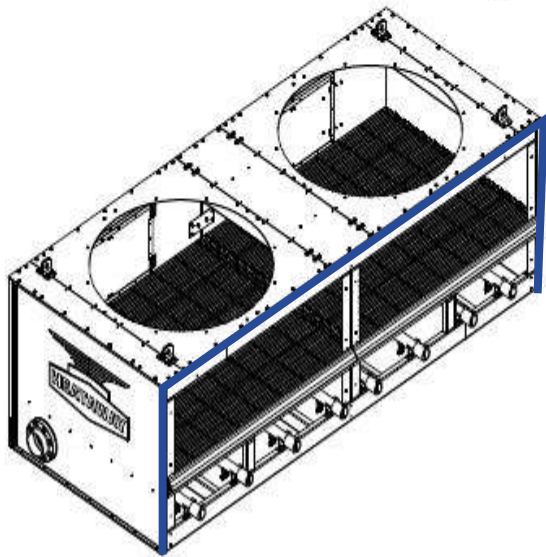
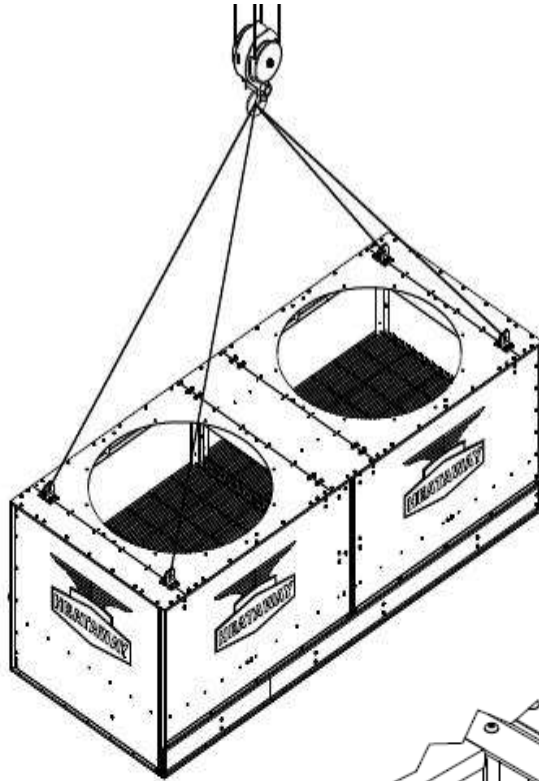


HEX BOLT M6x1x20L
 WASHER SPRING M6
 HEX NUT M6x1
 WASHER M6

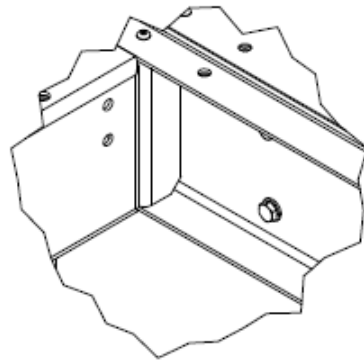
HEX BOLT
 M8x1.25x25L
 WASHER SPRING M8
 HEX NUT M8x1.25
 WASHER M8



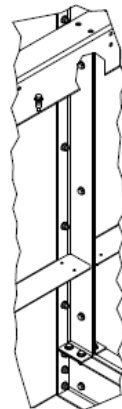
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



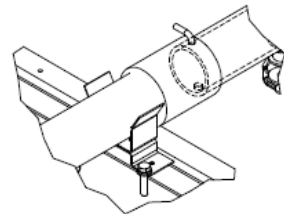
Butyl on Surface



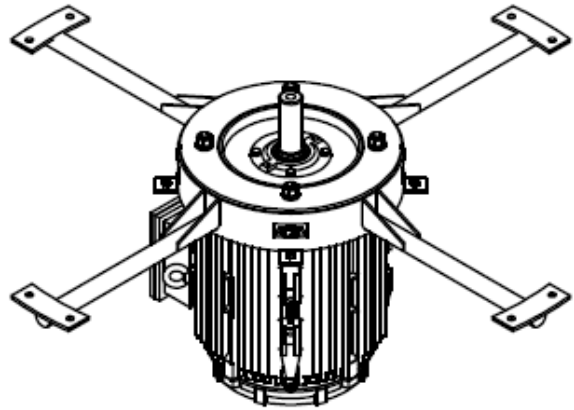
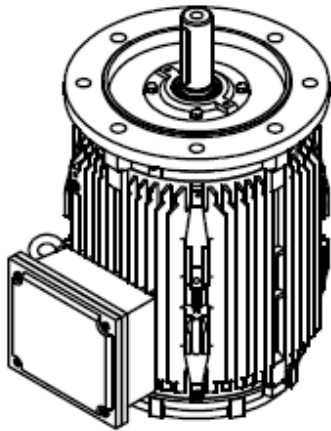
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



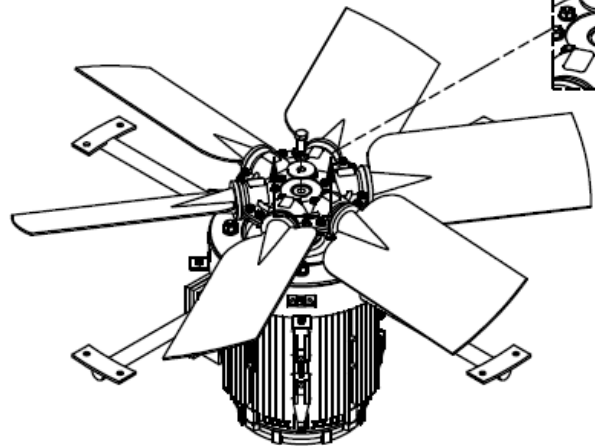
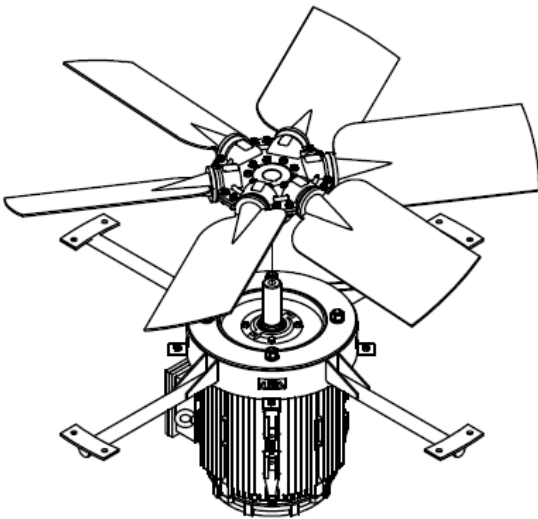
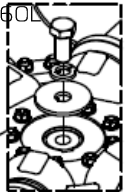
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



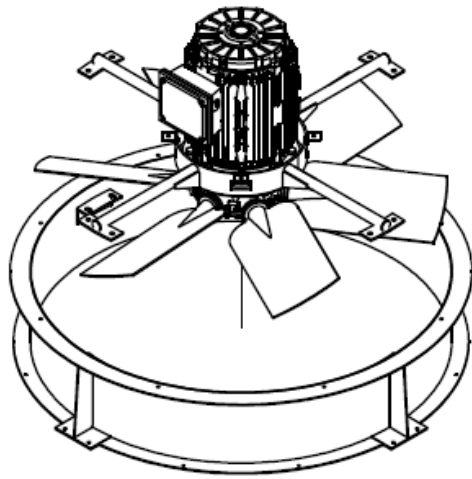
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



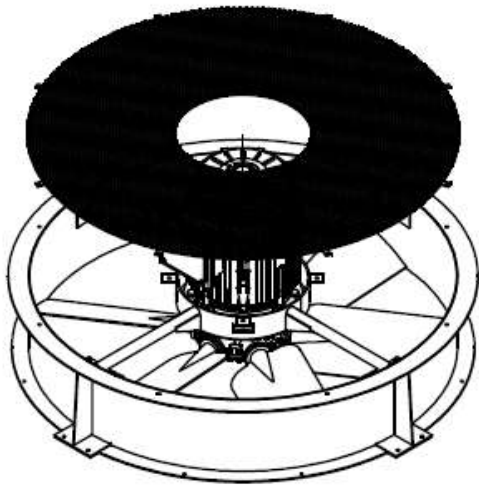
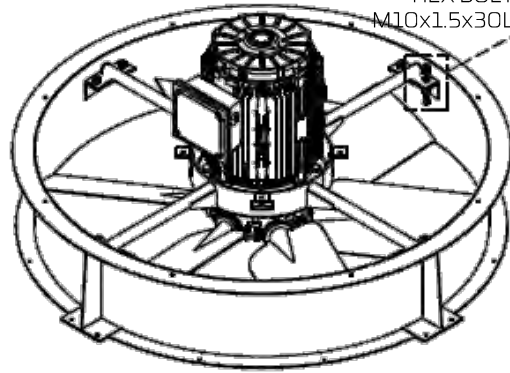
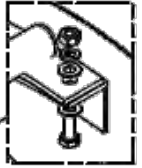
HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT
 M16x1.5x60



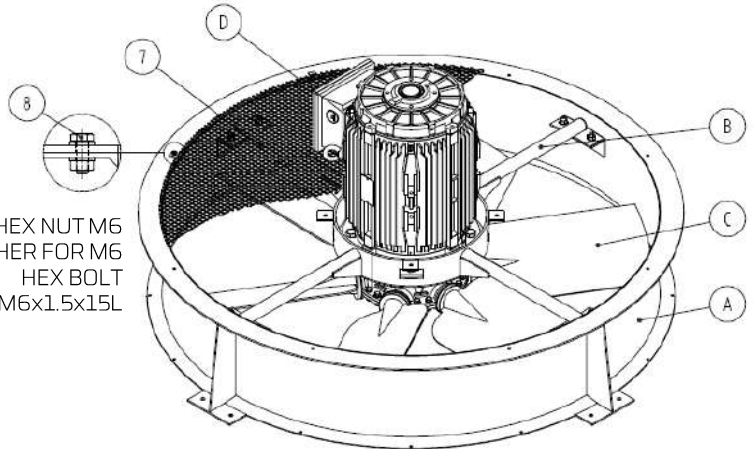
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



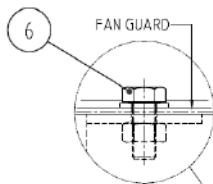
HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L



HEX NUT M6
 WASHER FOR M6
 HEX BOLT
 M6x1.5x15L



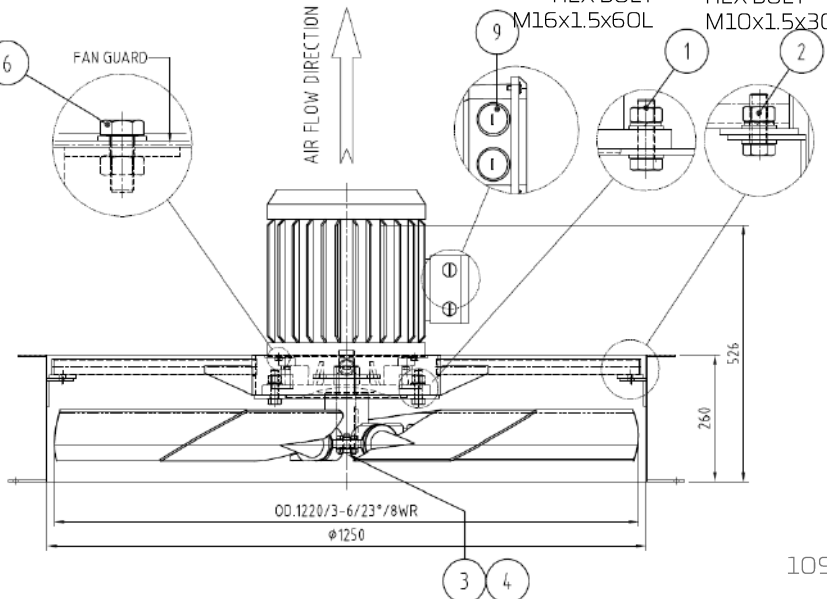
HEX NUT M8
 WASHER FOR M8
 HEX BOLT
 M8x1.5x15L



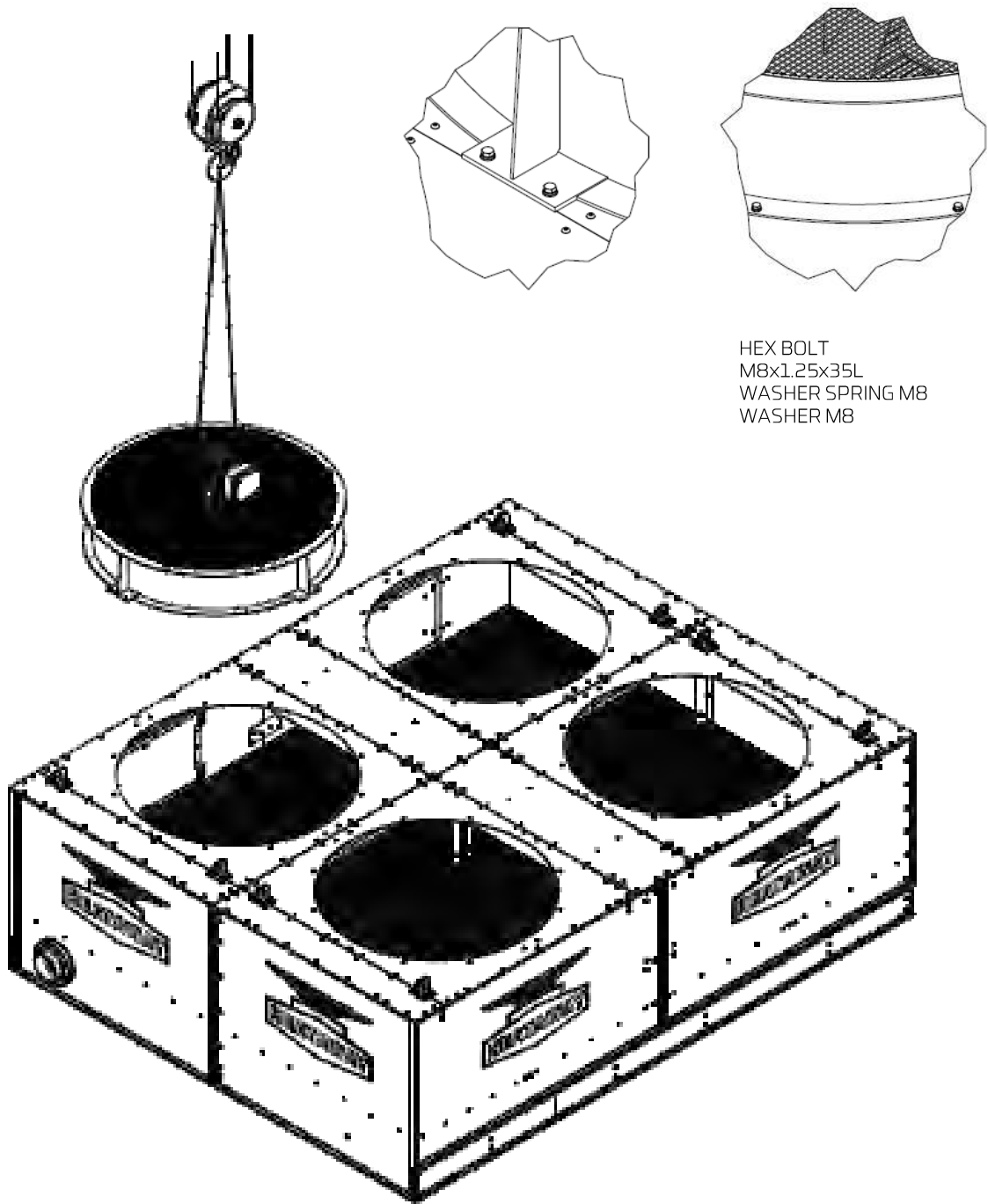
HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT
 M16x1.5x60L

HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L

AIR FLOW DIRECTION



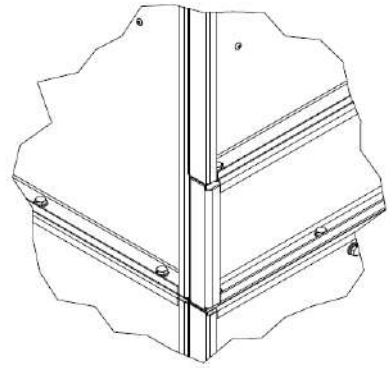
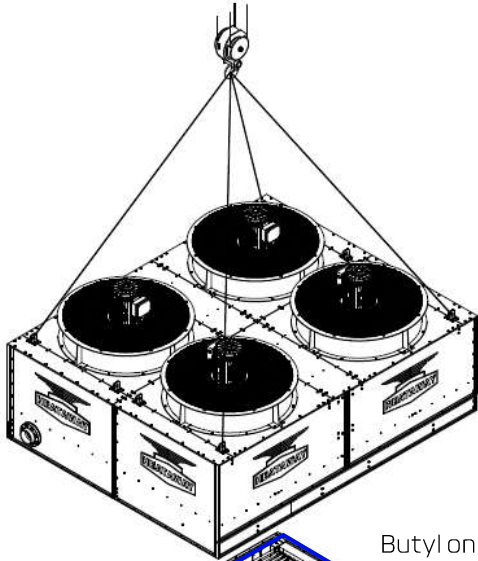
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



HEX BOLT
 M8x1.25x35L
 WASHER SPRING M8
 WASHER M8

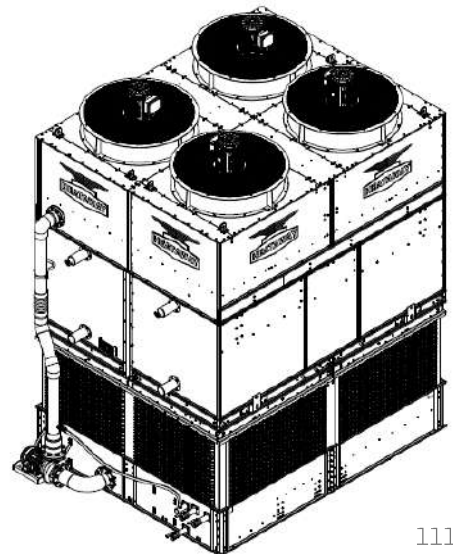
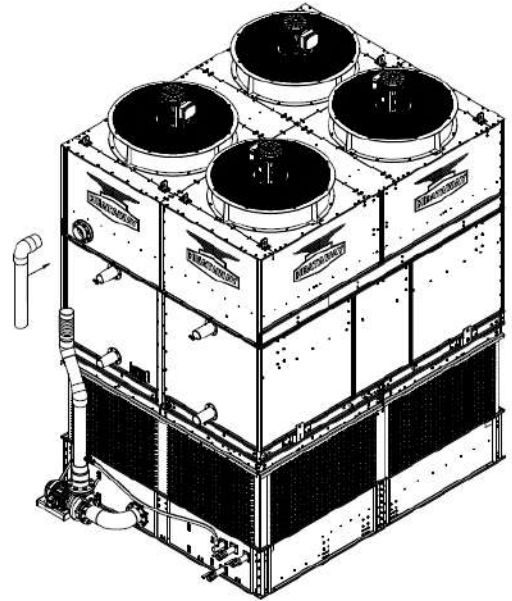
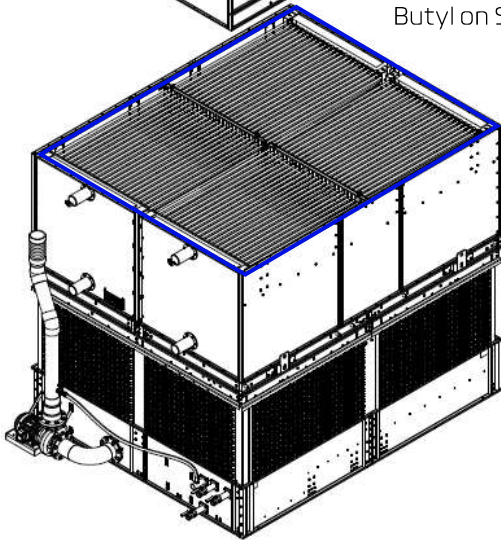
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



HEX BOLT
M8x1.25x20L
WASHER SPRING M8
WASHER M8
LIEV NIT MO 1 DE

Butyl on Surface



TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

Footprint

12' X 18'

Model

EC9-2600-1218C-S

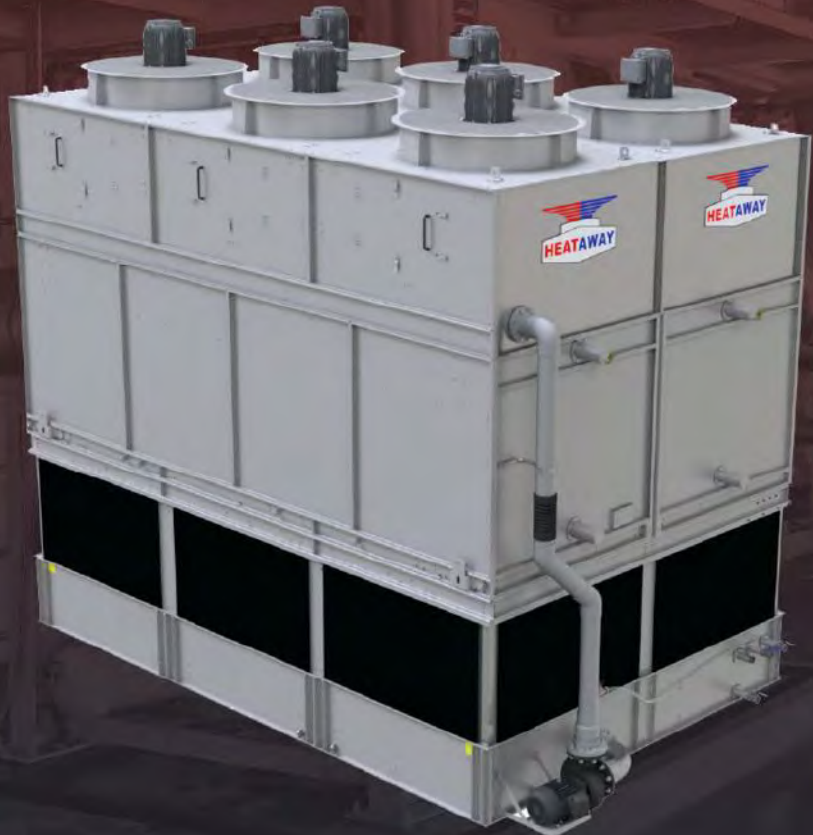
EC9-2800-1218C-M

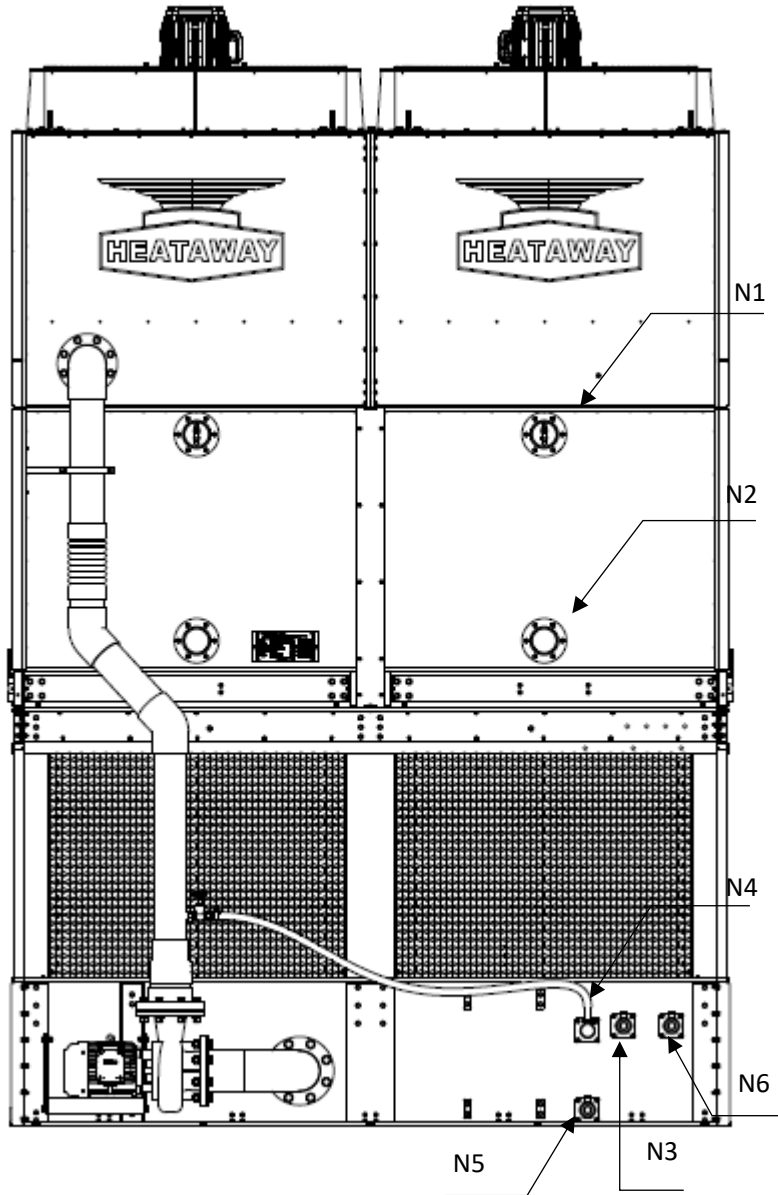
EC9-2950-1218C-S

EC9-3210-1218C-M

EC9-3500-1218C-M

EC9-3800-1218C-L

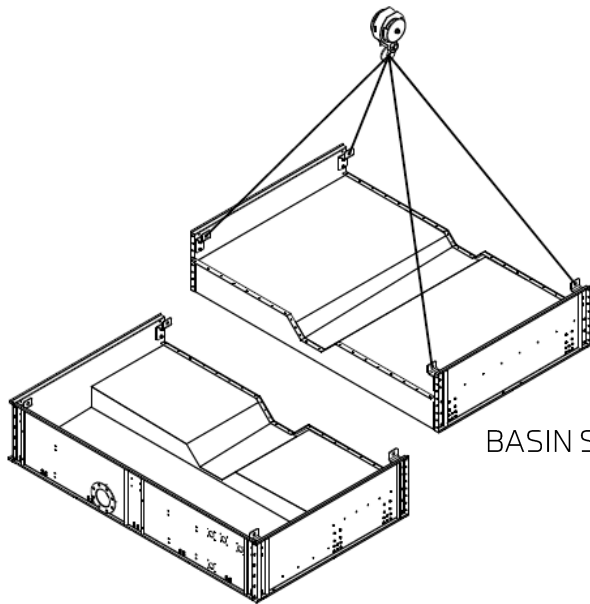




PIPING CONNECTION					
MARK	DESCRIPTION	Q'TY	SIZE	THREAD	VALVE
N1	REFRIGERANT INLET	2	4"	-	-
N2	REFRIGERANT OUTLET	2	4"	-	-
N3	MAKE UP WATER	1	2"	BSPT(F)	BALL VALVE
N4	OVER FLOW	1	2"	BSPT(M)	-
N5	DRAIN	1	2"	BSPT(F)	BALL VALVE
N6	QUICK REFILL	1	2"	BSPT(F)	BALL VALVE

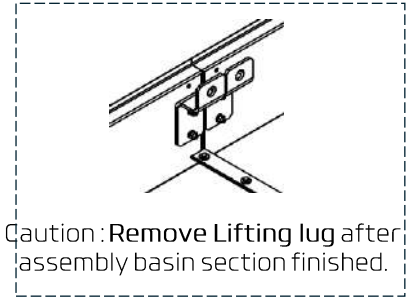
Basin Section Assembly

► **Step 1:** Start Assembly from item " BASIN SECTION-F " And " BASIN SECTION-M "

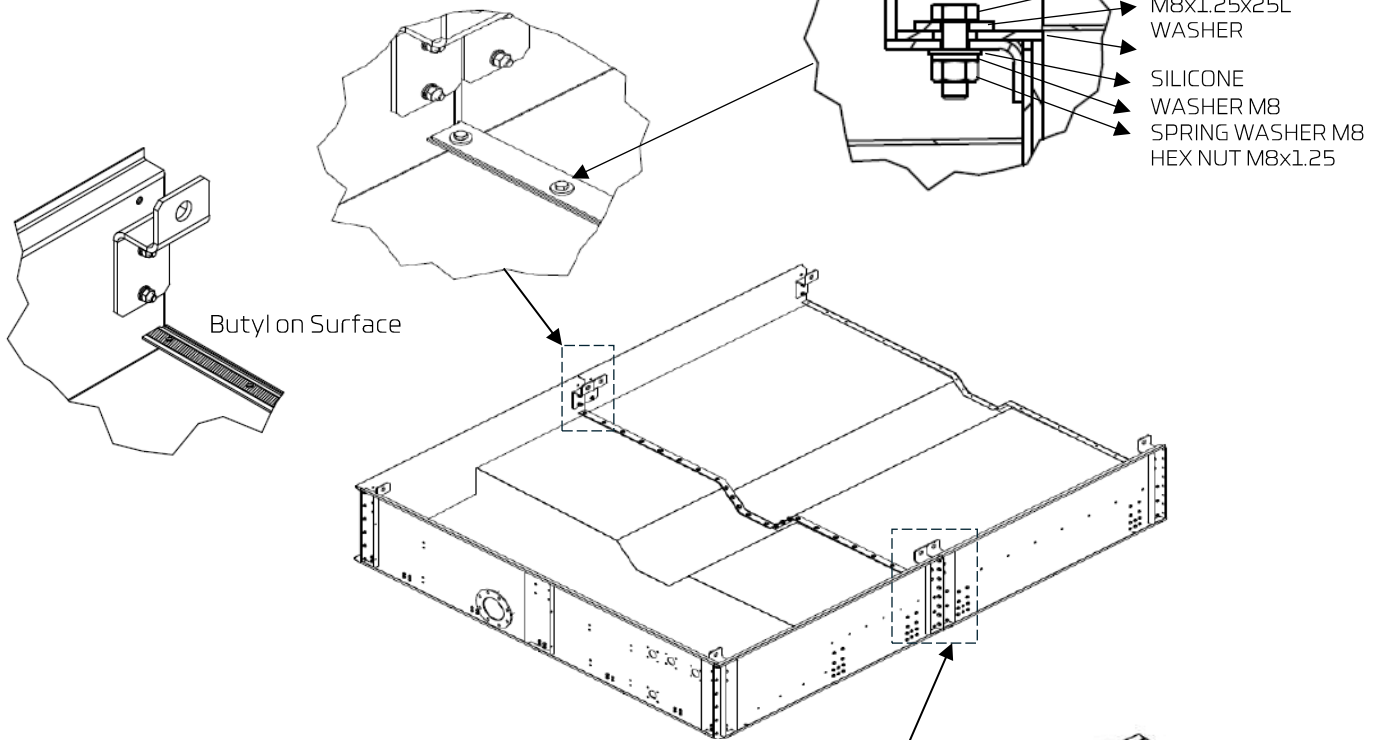


BASIN SECTION-M

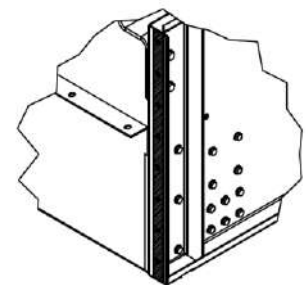
BASIN SECTION-F



Caution : Remove Lifting lug after assembly basin section finished.



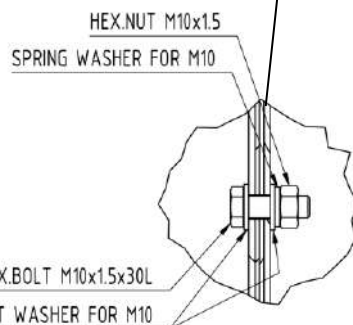
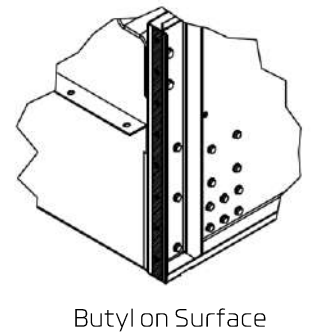
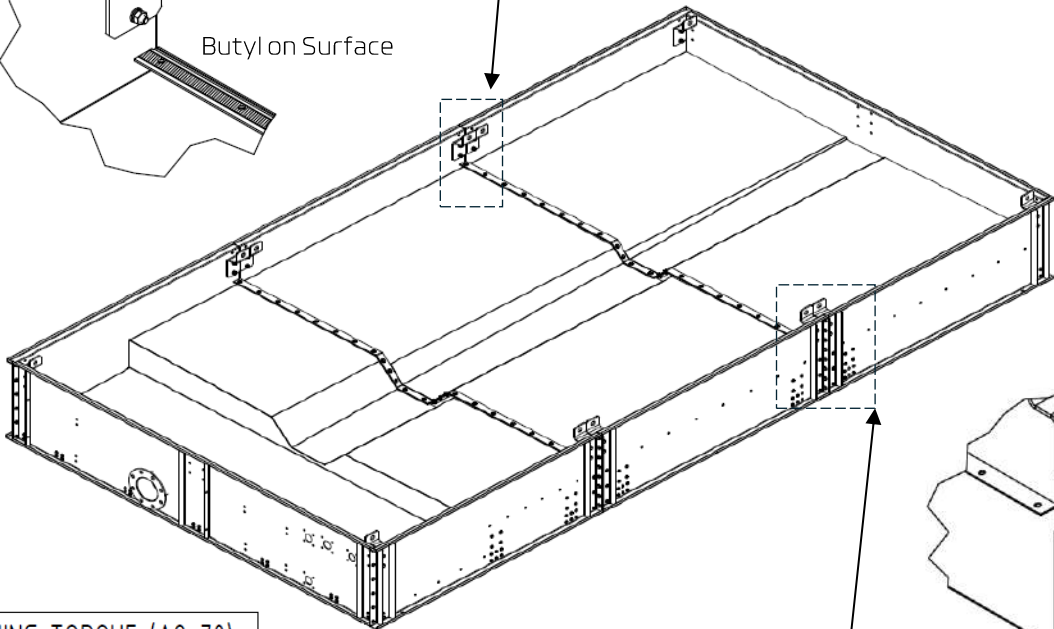
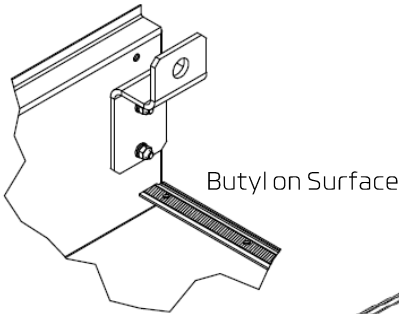
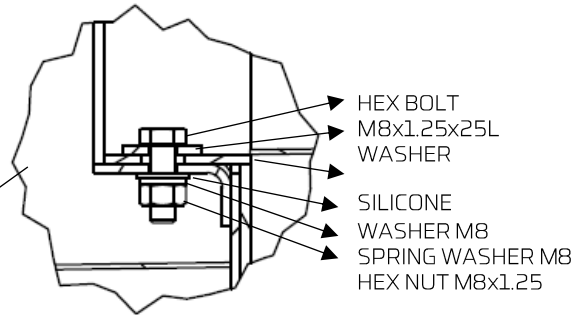
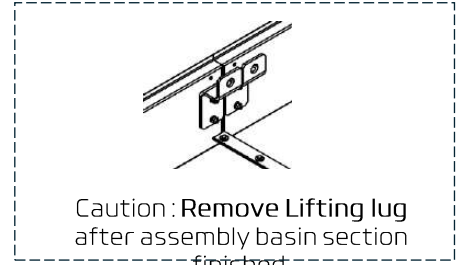
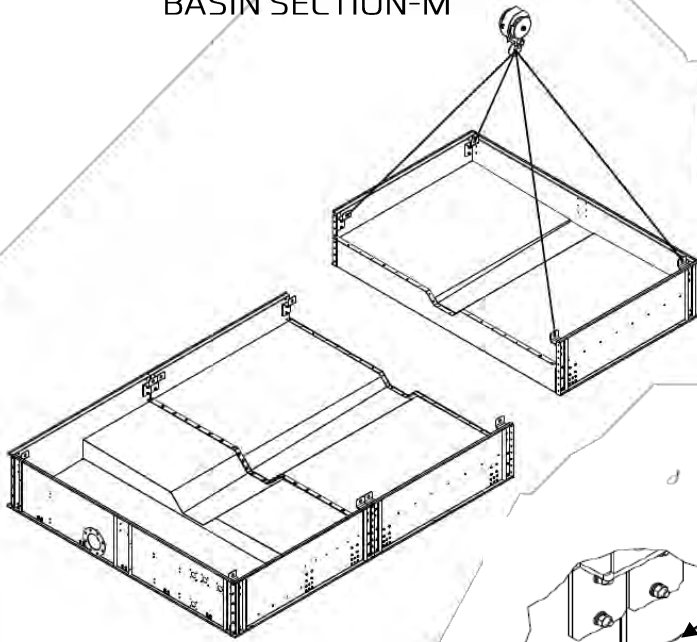
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



Butyl on Surface

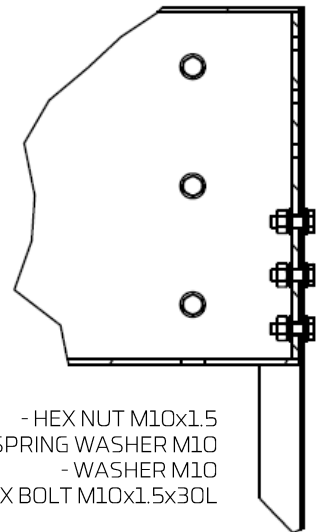
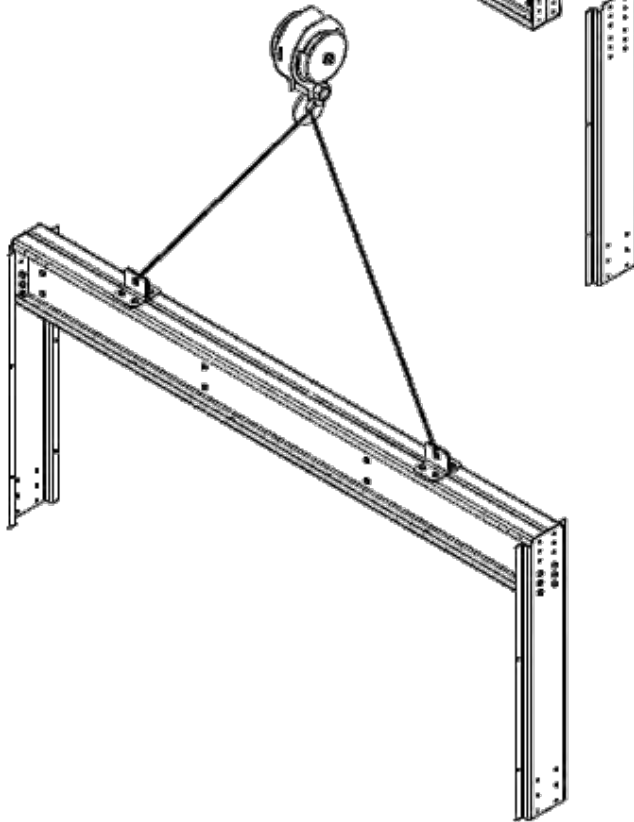
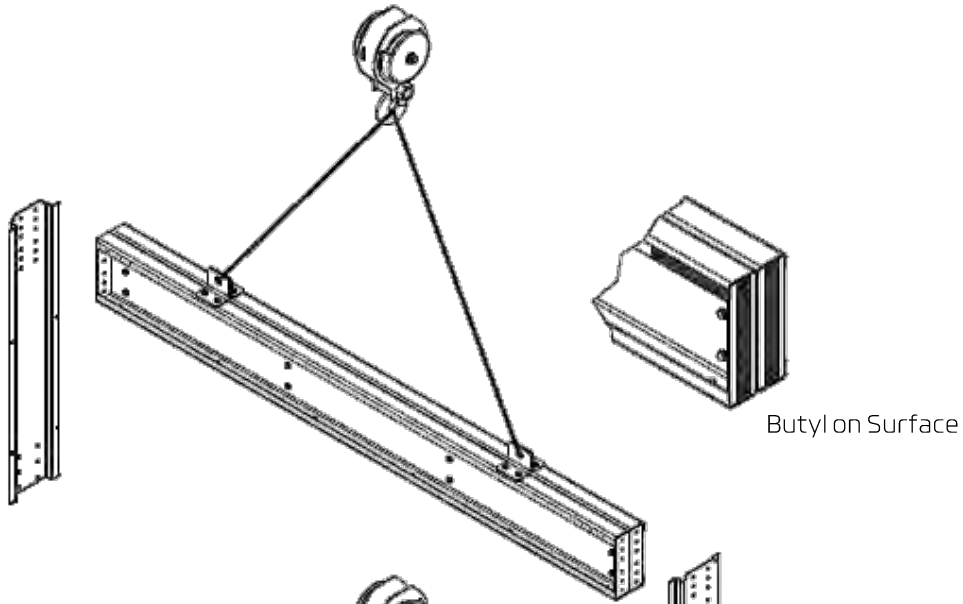
Basin Section Assembly

► Step 2 : Assembly "BASIN SECTION-B" with "BASIN SECTION-F" And "BASIN SECTION-M"



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

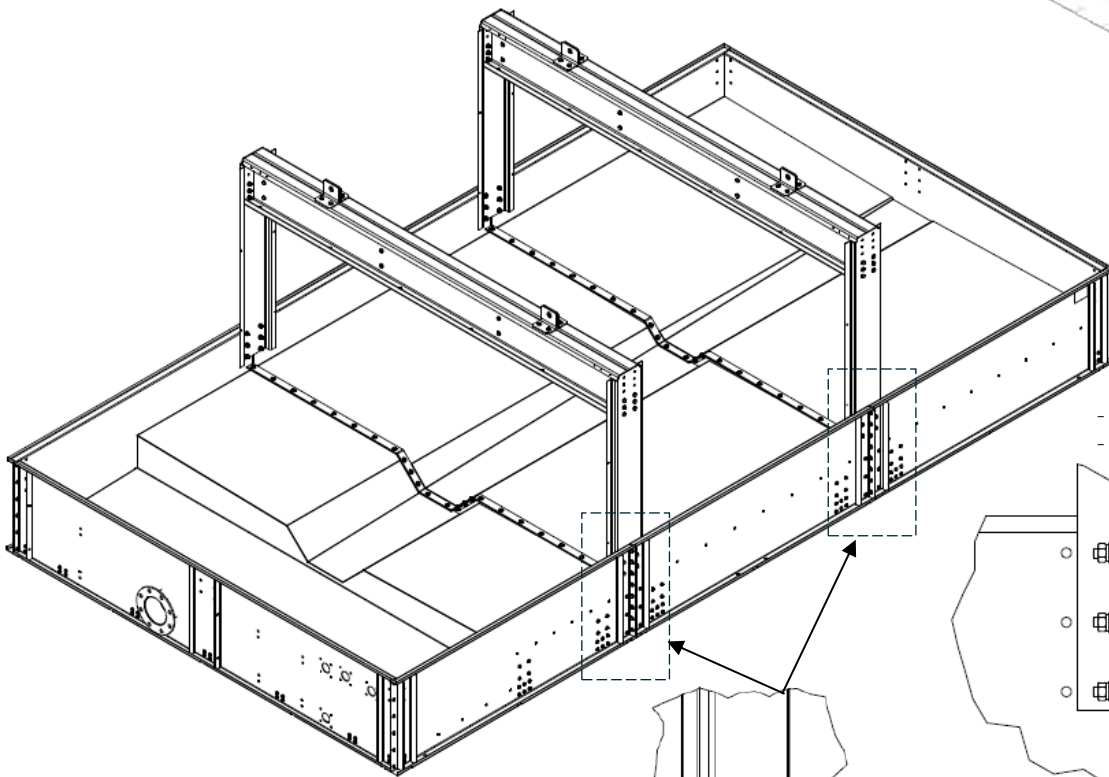
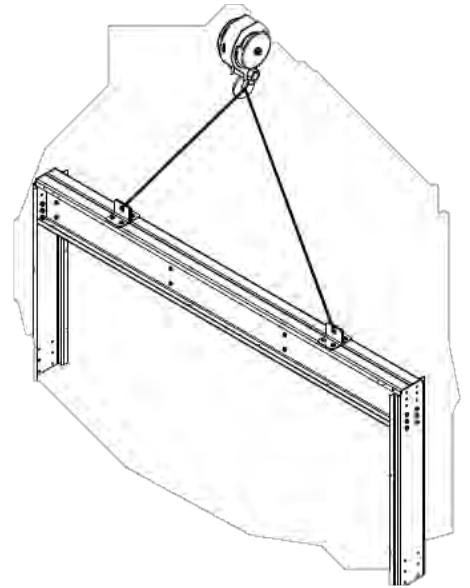
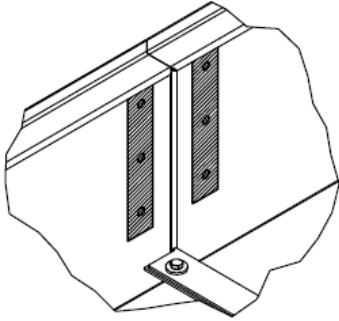
► Step 3 : Assembly Frame Support



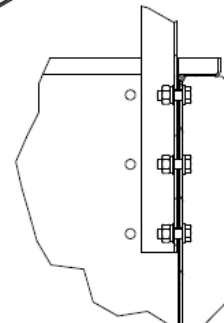
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

► Step 4 : Assembly Frame Support with BASIN Set Assembly

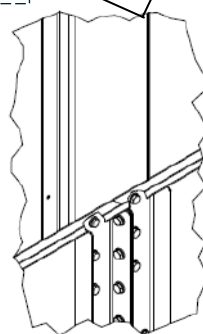
Butyl on Surface



- HEX BOLT M10x1.5x30L
- WASHER M10

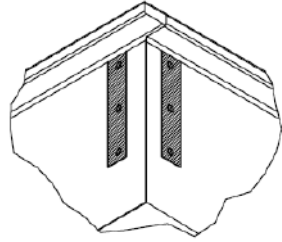


- SPRING WASHER M10
- HEX NUT M10x1.5

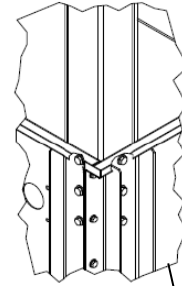


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

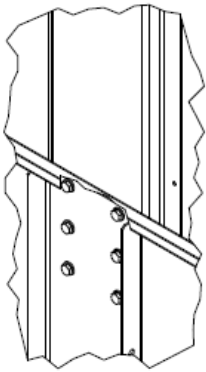
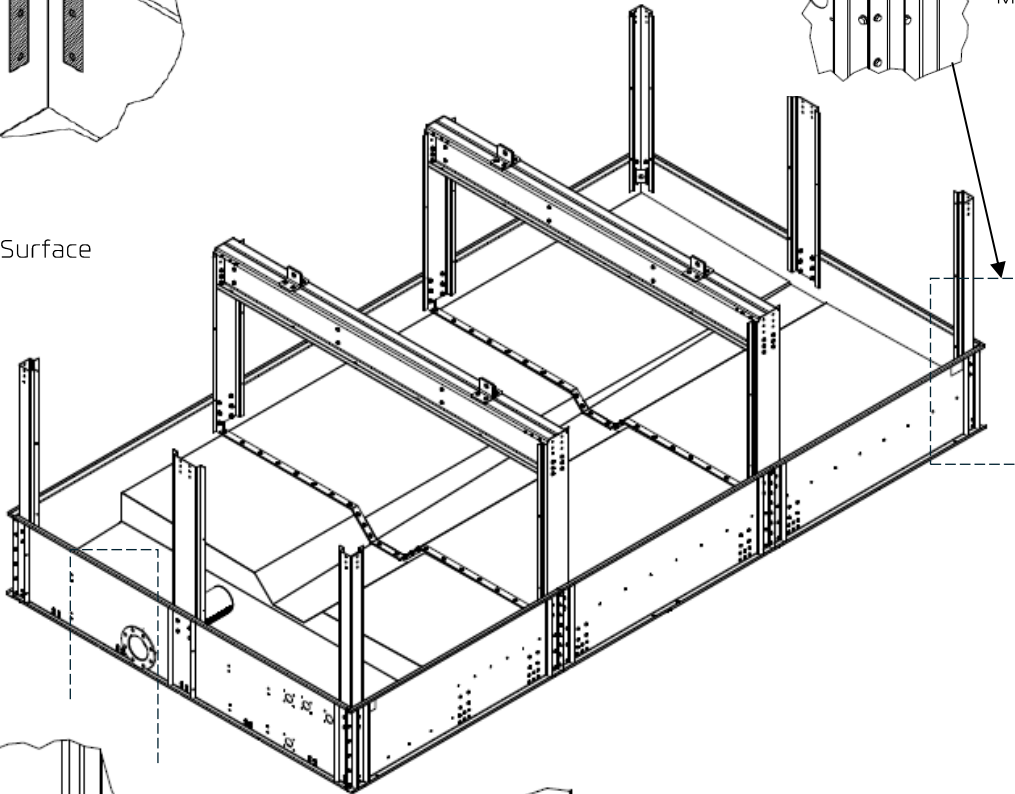
► Step 5 : Assembly Frame Support with BASIN Set Assembly



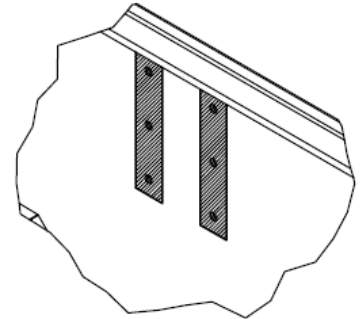
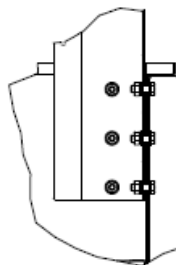
Butyl on Surface



- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x30L



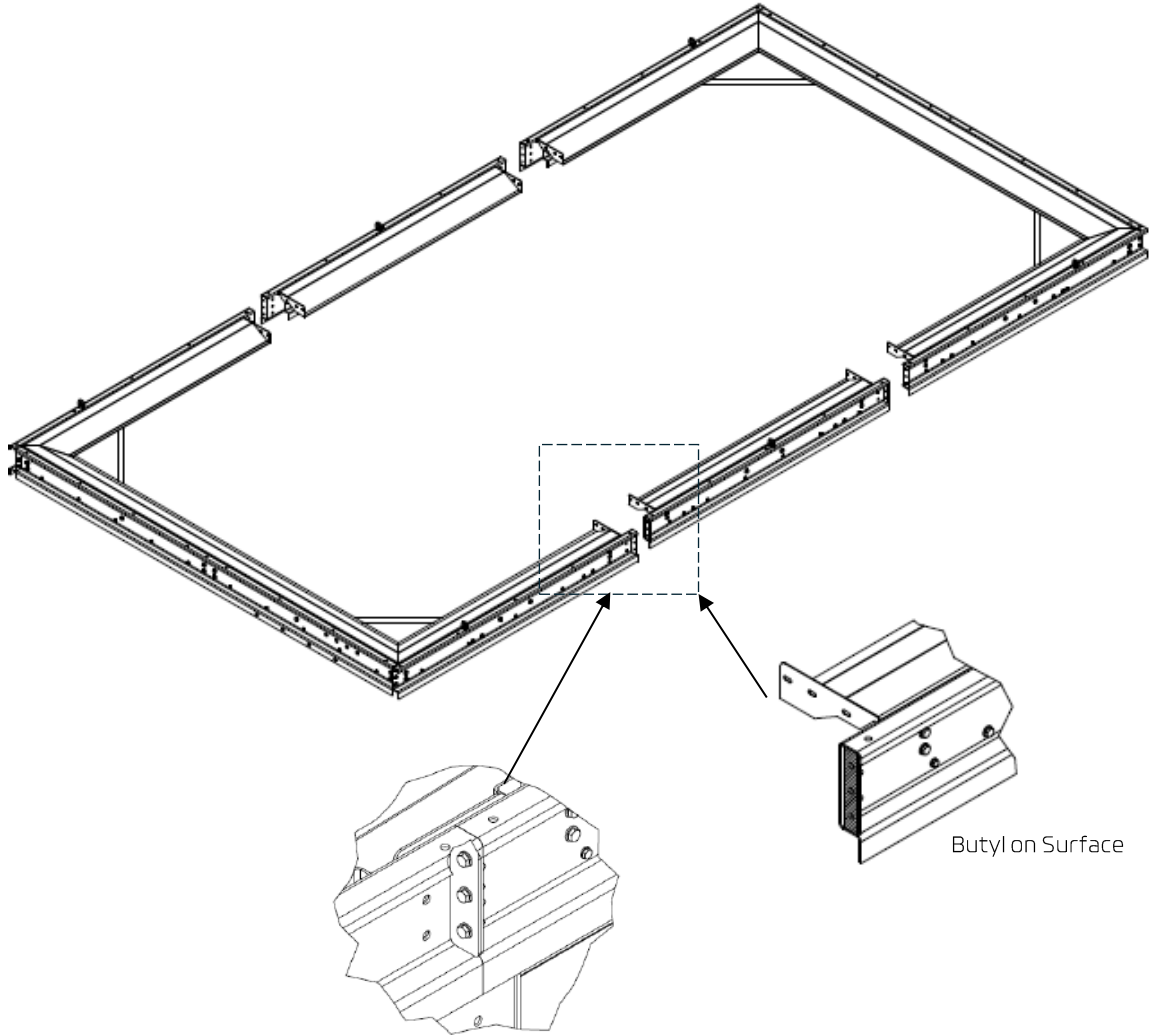
- HEX BOLT M10x1.5x30L
- WASHER M10
- HEX NUT M10



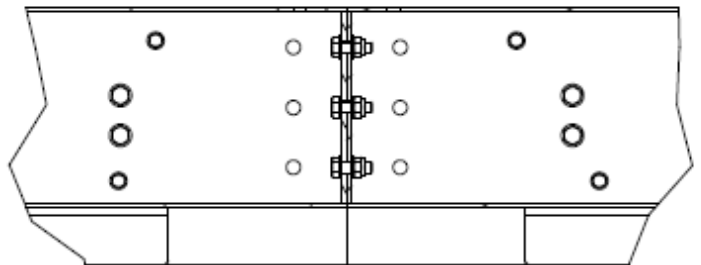
Butyl on Surface

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

► Step 6 : Assembly Top Frame of BASIN SECTION

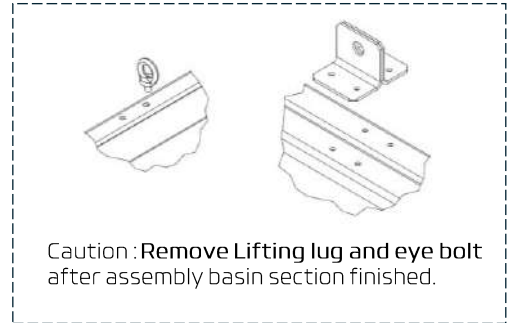
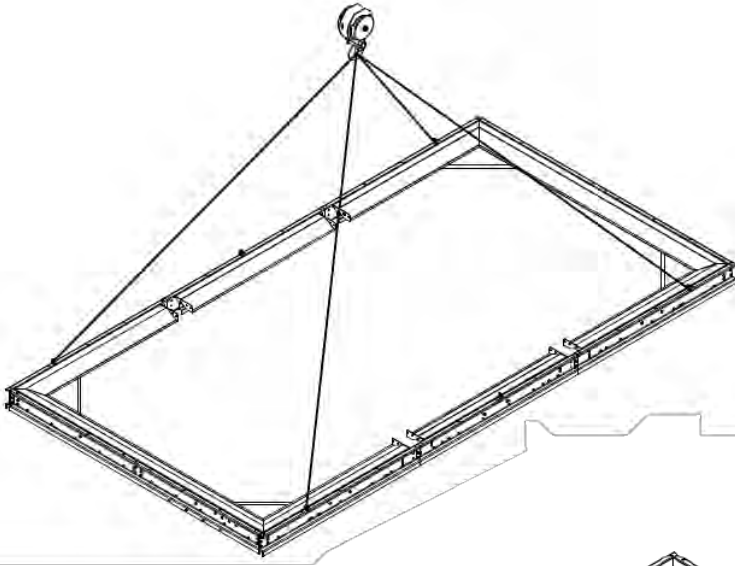


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

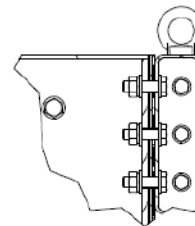
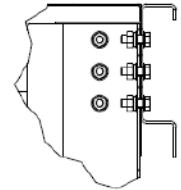
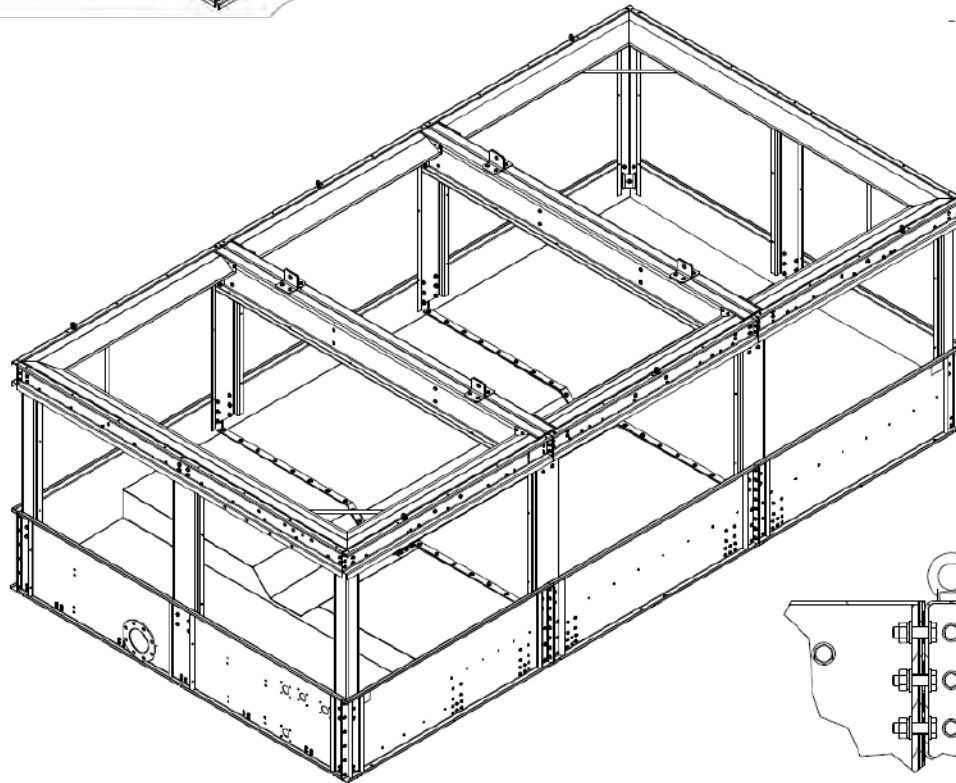


HEX BOLT
M8x1.25x25L
WASHER M8
HEX.LOCK NUT
M8x1.25

► Step 7 : Install Top Frame to BASIN SECTION and assembly MID FRAME



- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x35L



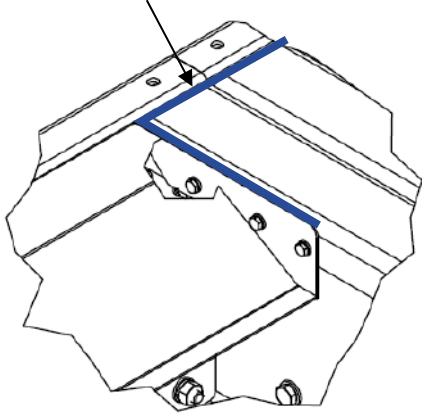
- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x35L

TIGHTENING TORQUE (A2-70)

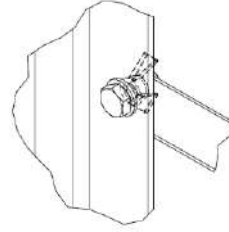
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

► Step 8 : Assembly support frame and Deflector

SILICONE ON SURFACE

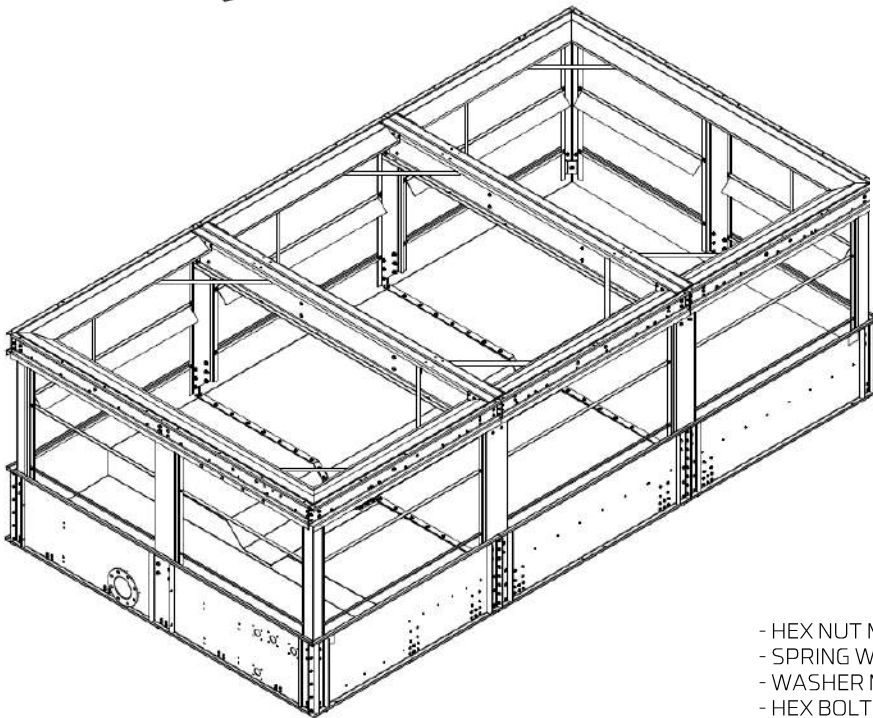
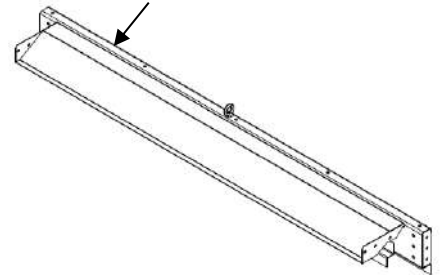


- HEX NUT M6x1
- SPRING WASHER M6
- WASHER M6
- HEX BOLT M6x1x20L

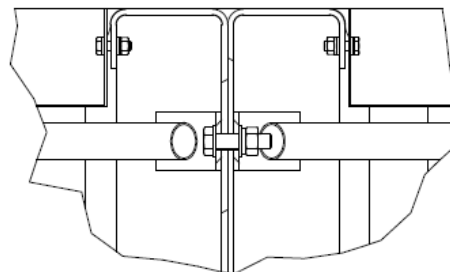


- LIIFTING EYE BOLT
M10x1.5x17L
- WASHER FOR M10
- HEX NUT M10x1.5

SILICONE AND BUTYL ON SURFACE



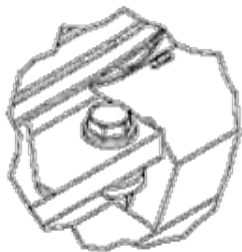
- HEX NUT M10x1.5
- SPRING WASHER M10
- WASHER M10
- HEX BOLT M10x1.5x30L



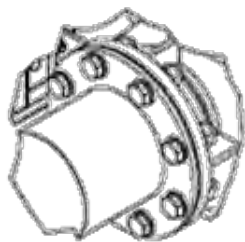
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

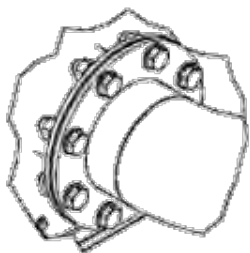
➤ Step 9 : Install water pipe and Ball Float Valve to BASIN SECTION



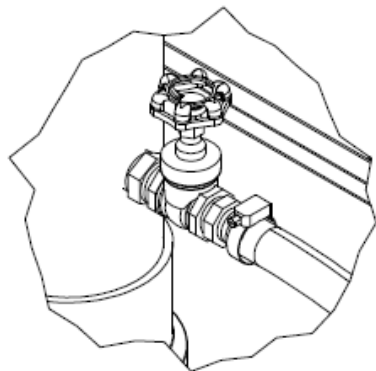
HEX NUT M12x1.75
SPRING WASHER FOR M12
WASHER FOR M12
HEX BOLT M12x1.75x50L



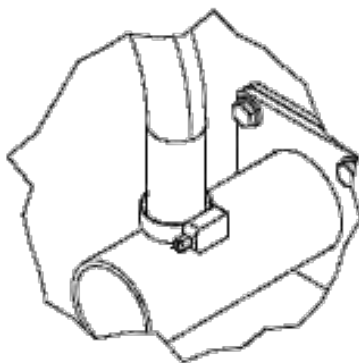
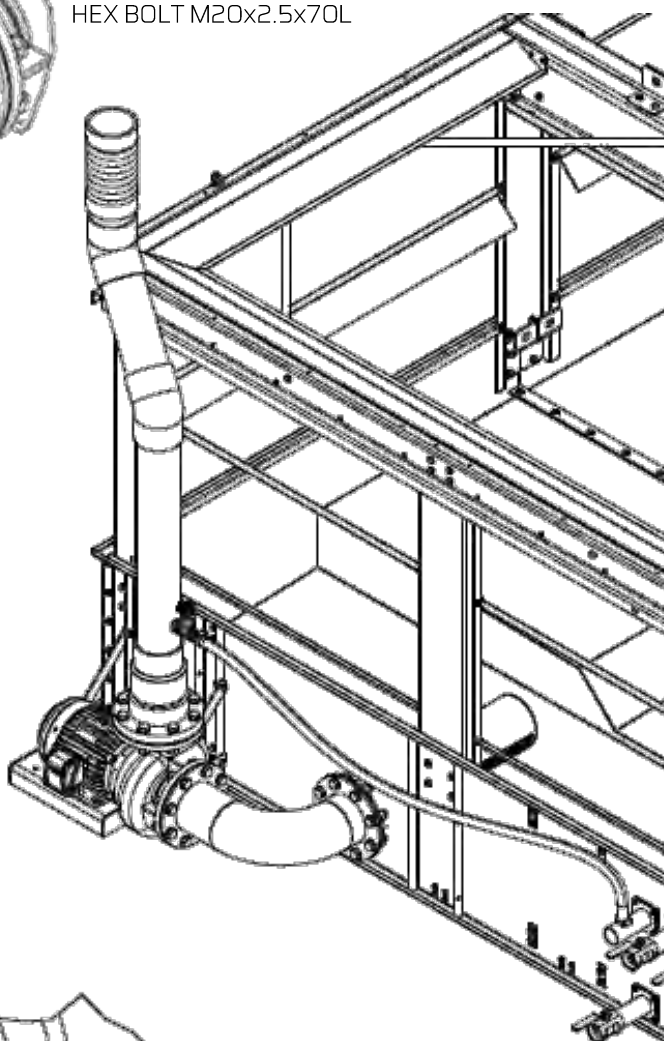
HEX NUT M20x2.5
SPRING WASHER FOR M20
WASHER FOR M20
HEX BOLT M20x2.5x70L



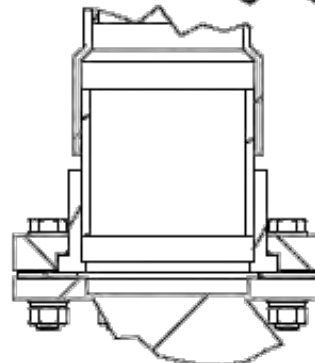
HEX NUT M20x2.5
SPRING WASHER FOR M20
WASHER FOR M20
HEX BOLT M20x2.5x60L



HOSE CLAMP 1"
TEXTILE HOSE 1"



HOSE CLAMP 1"
TEXTILE HOSE 1"

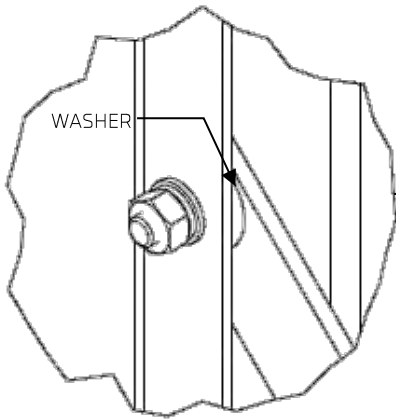


HEX BOLT M20 x90L
HEX LOCK NUT M20
WASHER FOR M20
SPRING WASHER FOR M20

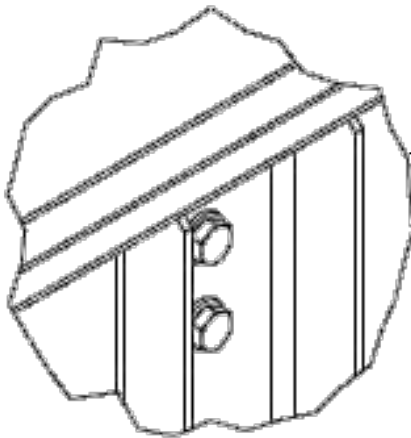
TIGHTENING TORQUE (A2-70)

M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

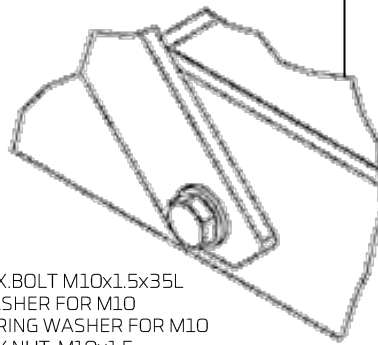
➤ Step 10 : Pump set assembly and install to BASIN SECTION



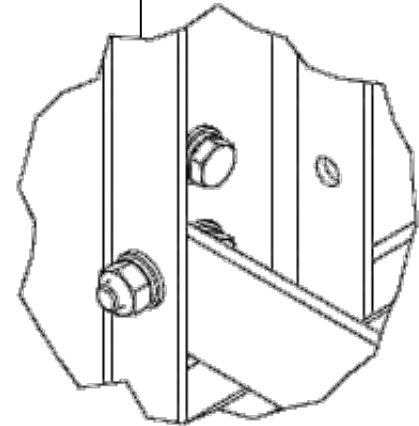
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



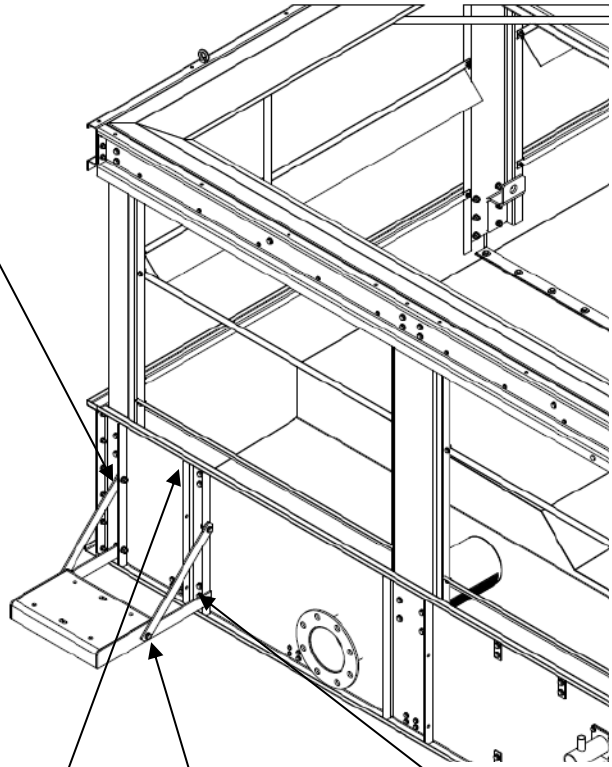
HEX.BOLT M10x1.5x25L
WASHER FOR M10
HEX.NUT LOCK M10x1.5



HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

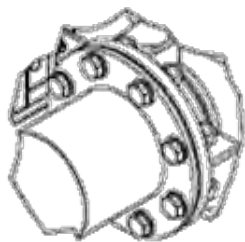
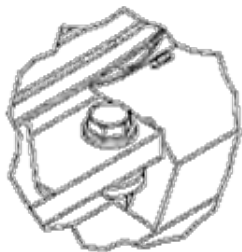


HEX.BOLT M10x1.5x30L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



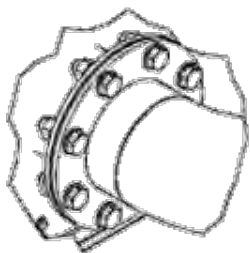
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

➤ Step 10 : Pump set assembly and install to BASIN SECTION

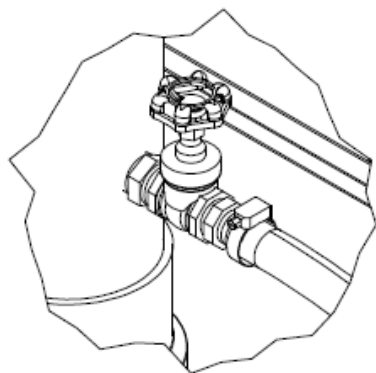
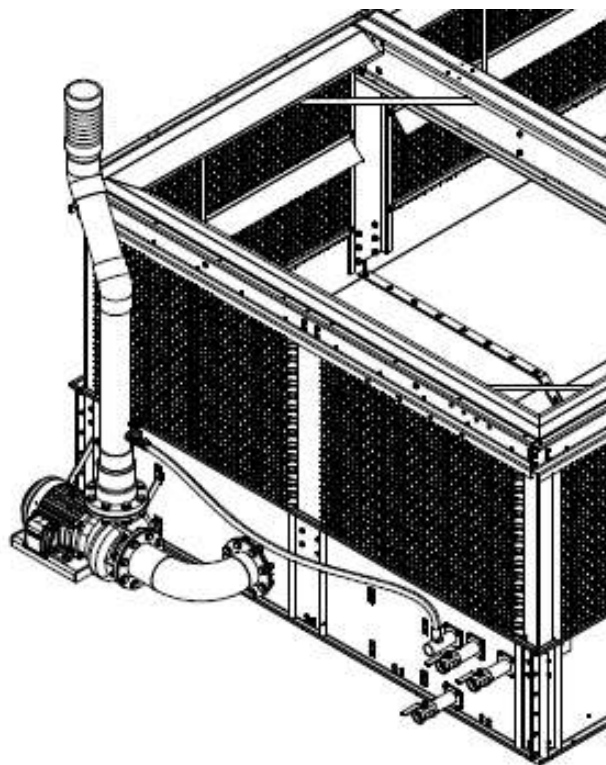


HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x70L

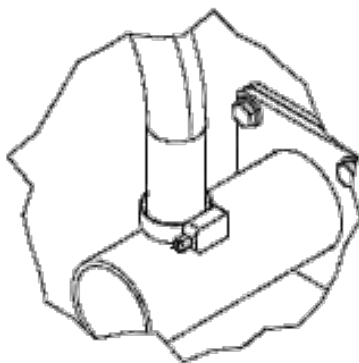
HEX NUT M12x1.75
 SPRING WASHER FOR M12
 WASHER FOR M12
 HEX BOLT M12x1.75x50L



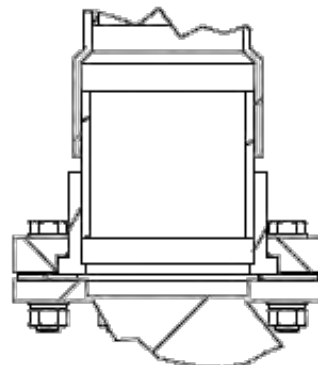
HEX NUT M20x2.5
 SPRING WASHER FOR M20
 WASHER FOR M20
 HEX BOLT M20x2.5x60L



HOSE CLAMP 1"
 TEXTILE HOSE 1"



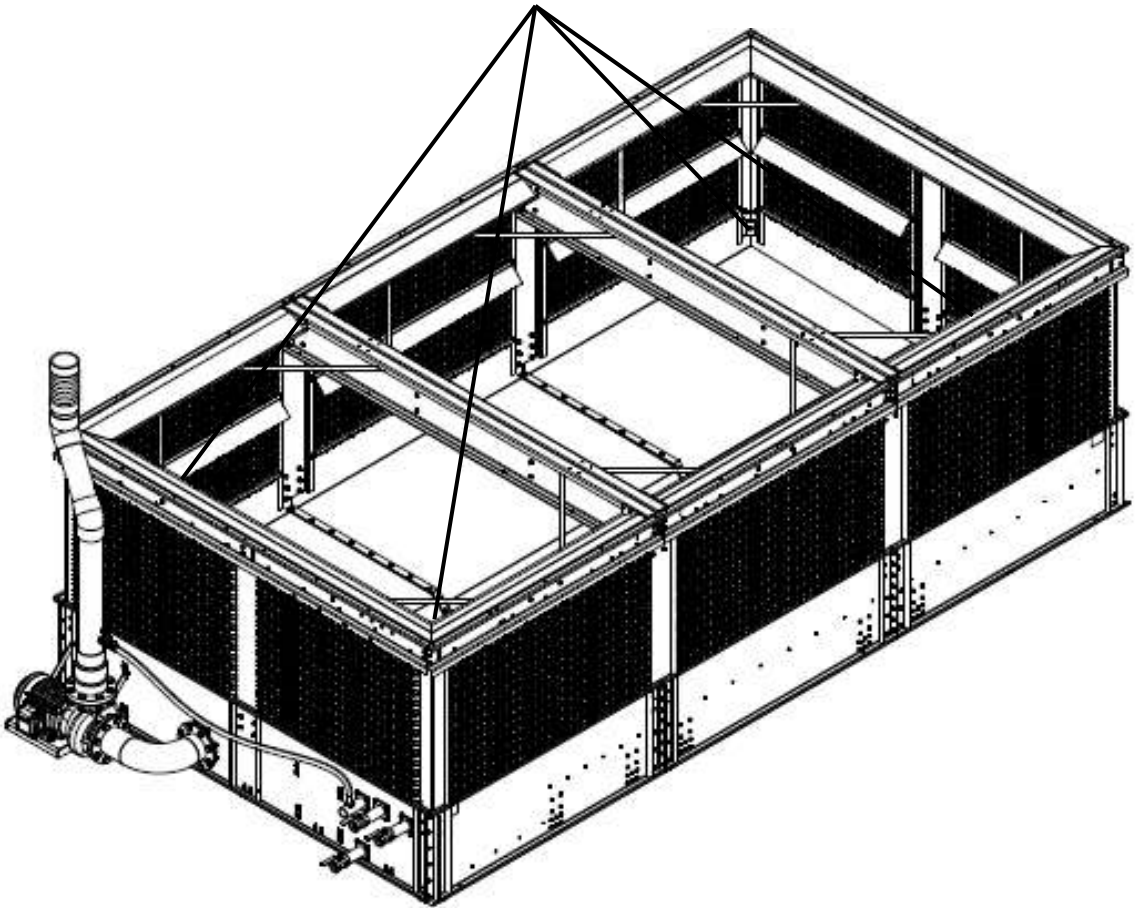
HOSE CLAMP 1"
 TEXTILE HOSE 1"



HEX BOLT M20x90L
 HEX LOCK NUT M20
 WASHER FOR M20
 SPRING WASHER FOR M20

TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

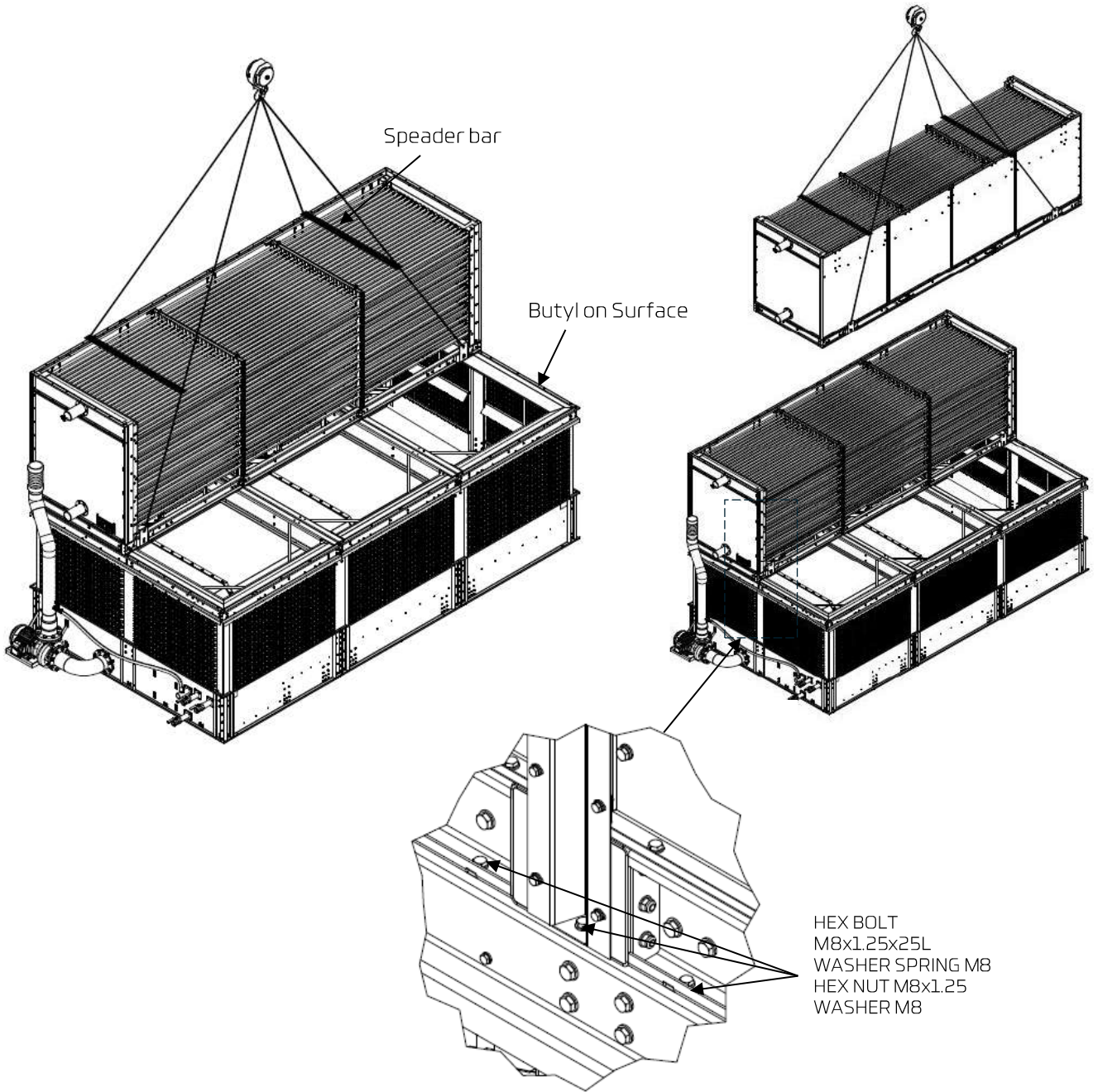
Move BASIN SECTION to position



TIGHTENING TORQUE (A2-70)

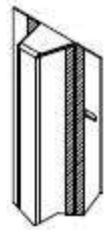
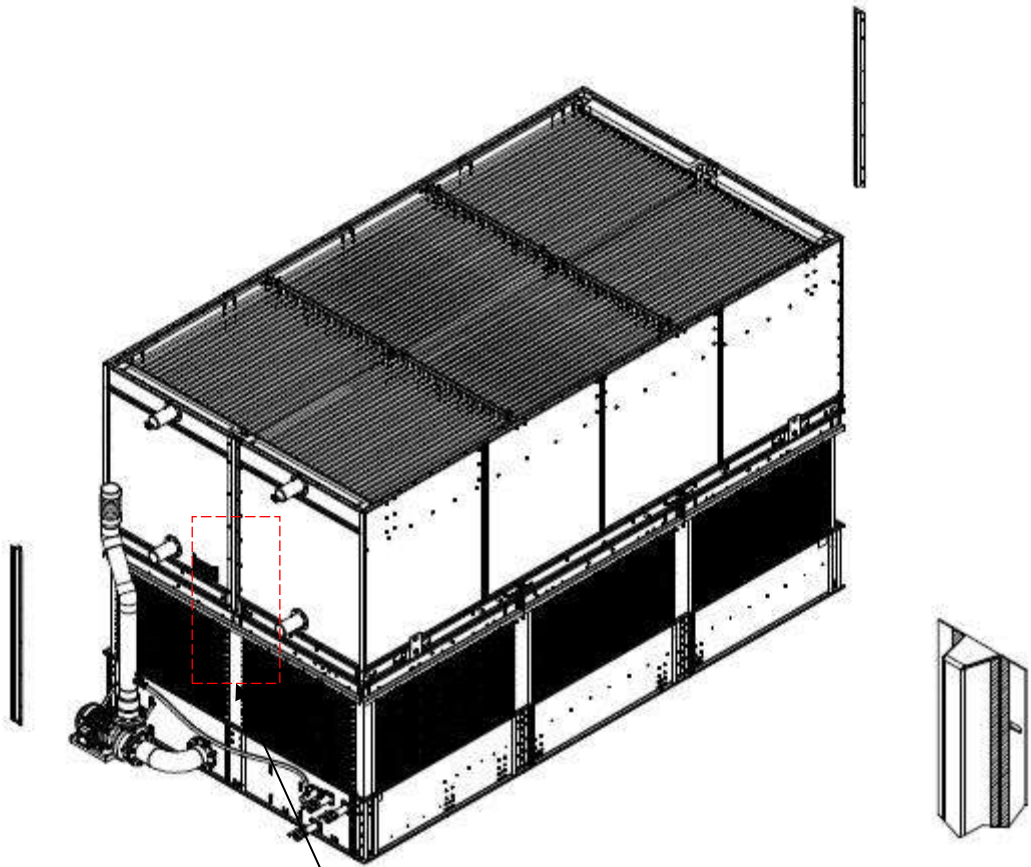
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

>> Assembly Coil Section L and R on Basin



TIGHTENING TORQUE (A2-70)

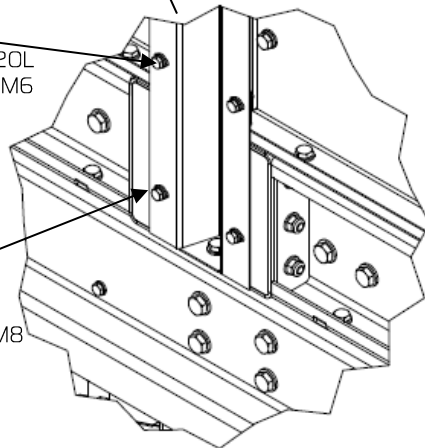
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



BUTYL ON SURFACE

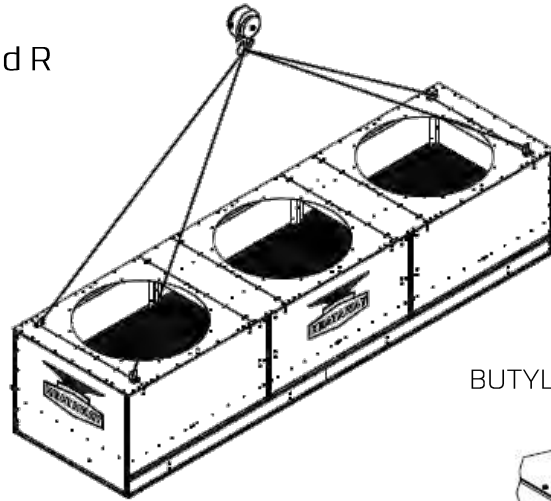
HEX BOLT M6x1x20L
WASHER SPRING M6
HEX NUT M6x1
WASHER M6

HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8

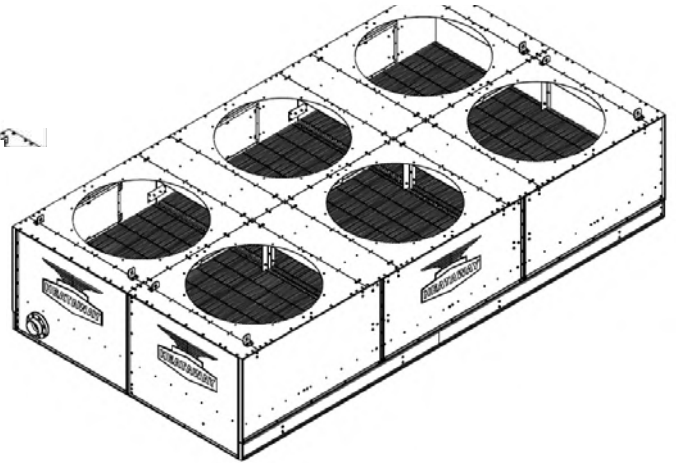
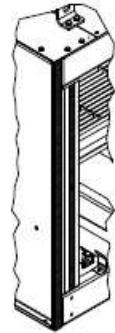
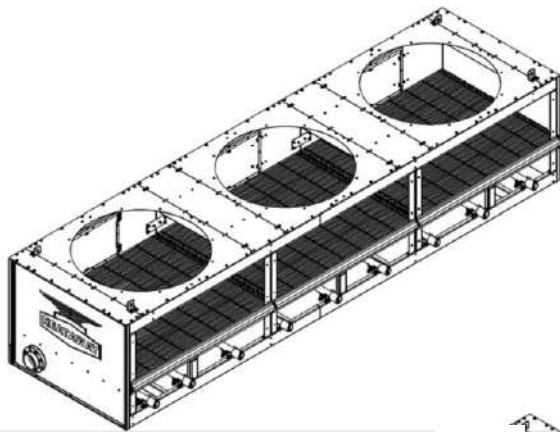


TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

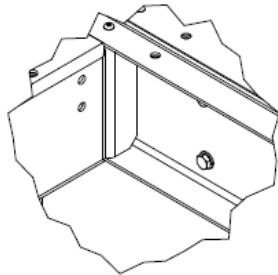
>> Assembly FAN Section L and R



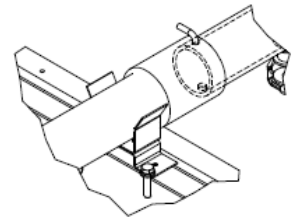
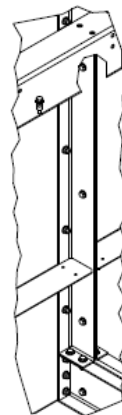
BUTYL ON SURFACE



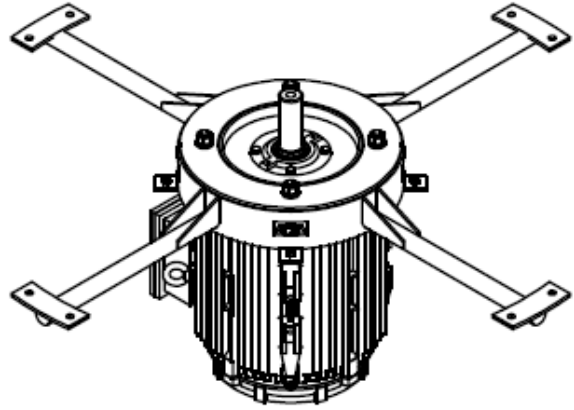
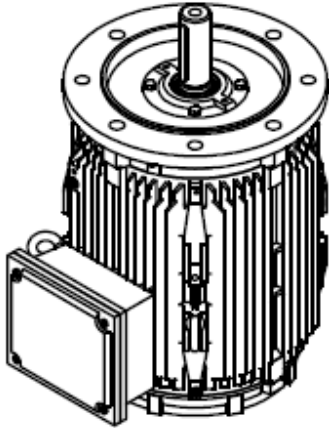
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



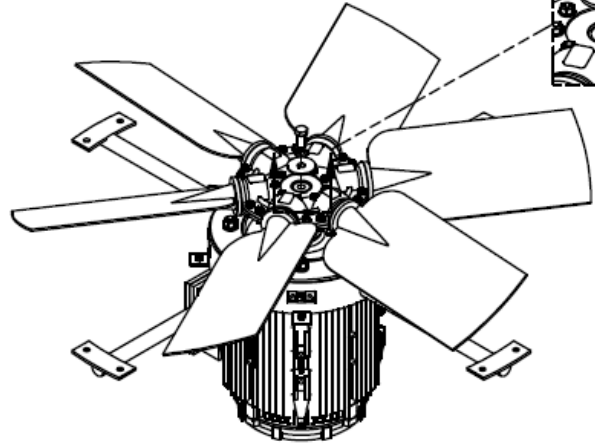
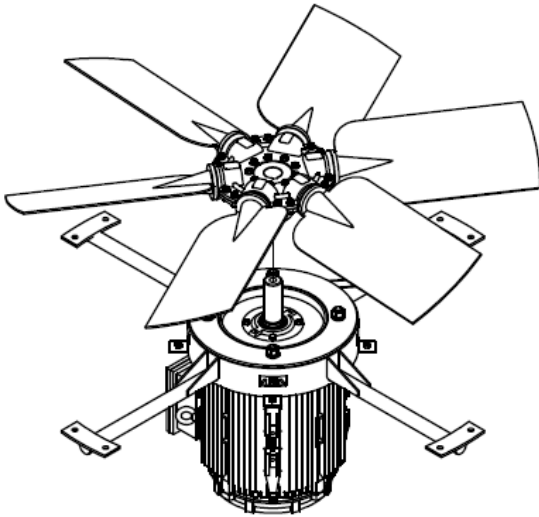
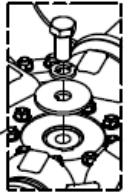
HEX BOLT
M8x1.25x25L
WASHER SPRING M8
HEX NUT M8x1.25
WASHER M8



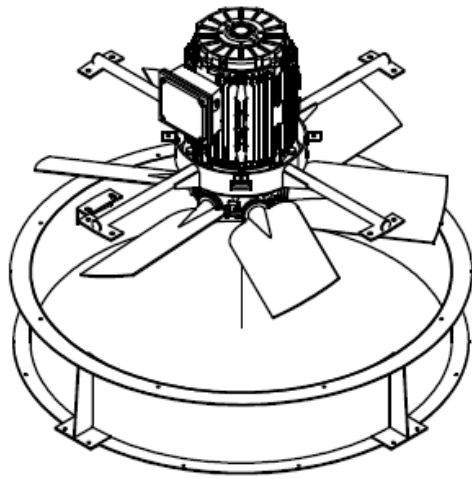
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



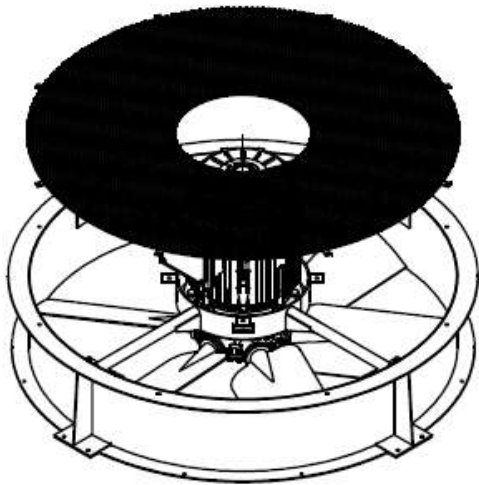
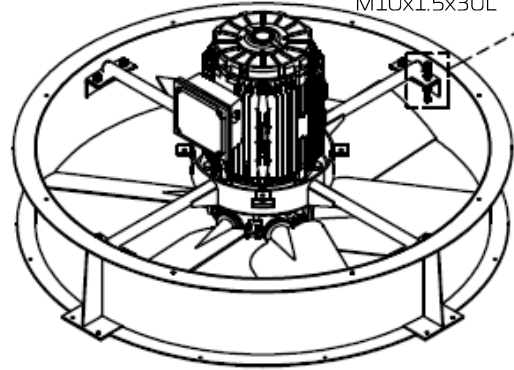
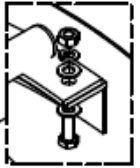
HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT M16x1.5x60L



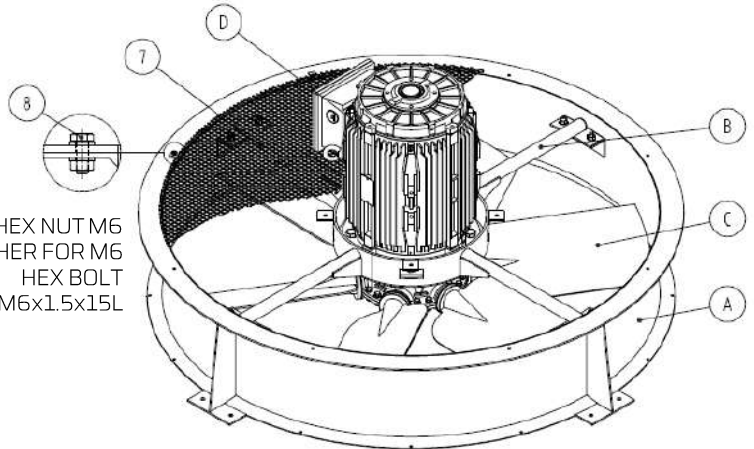
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



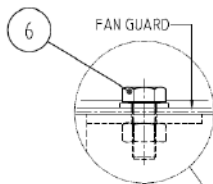
HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L



HEX NUT M6
 WASHER FOR M6
 HEX BOLT
 M6x1.5x15L



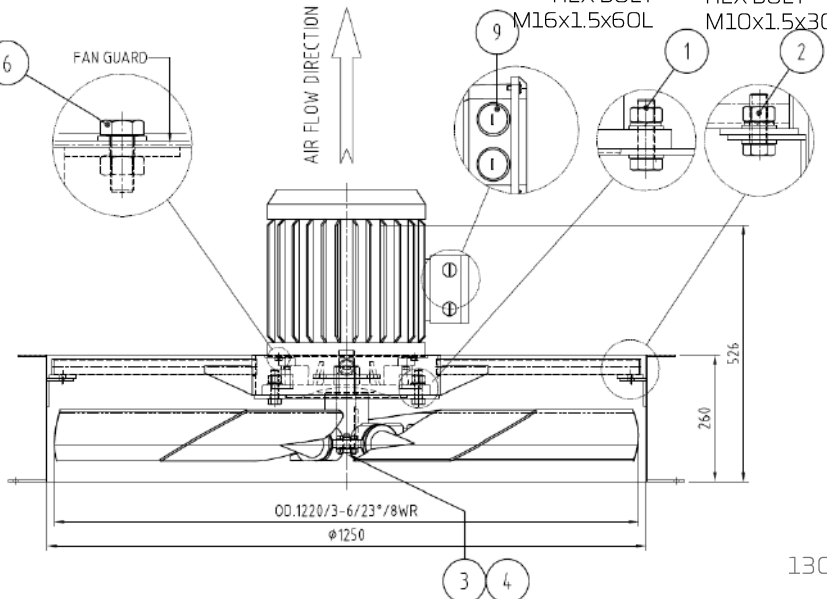
HEX NUT M8
 WASHER FOR M8
 HEX BOLT
 M8x1.5x15L



HEX NUT M16
 SPRING WASHER FOR
 M16
 WASHER FOR M16
 HEX BOLT
 M16x1.5x60L

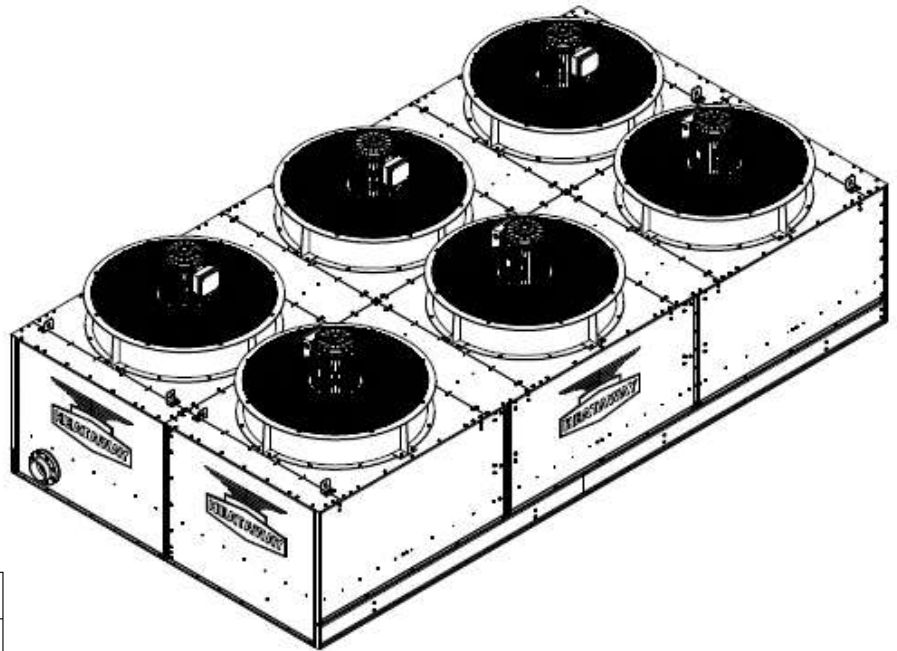
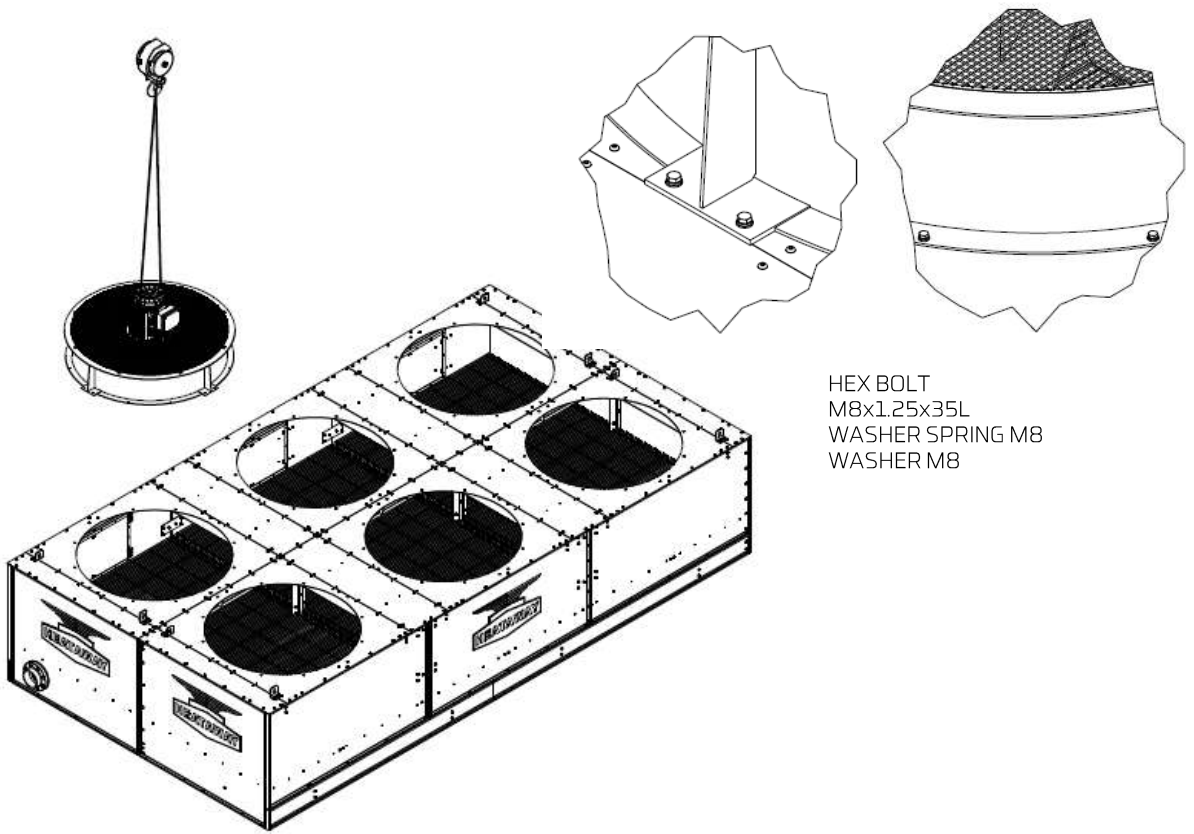
HEX NUT M10
 SPRING WASHER FOR
 M10
 WASHER FOR M10
 HEX BOLT
 M10x1.5x30L

AIR FLOW DIRECTION



TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

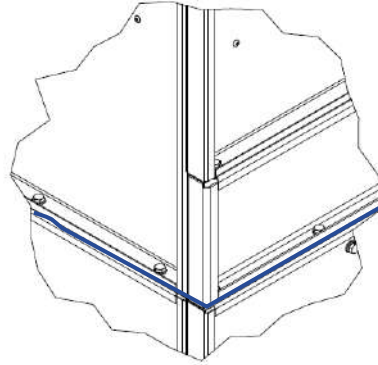
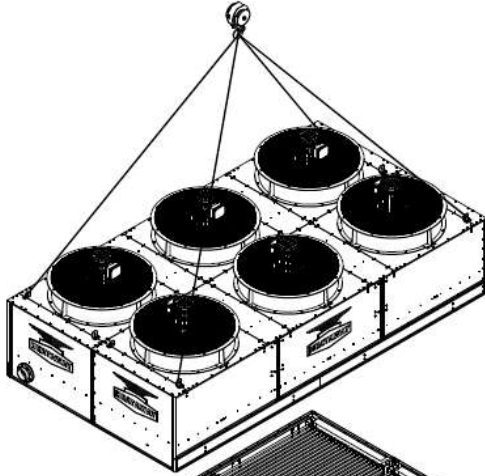
>> Install FAN set With Motor to FAN Section



TIGHTENING TORQUE (A2-70)

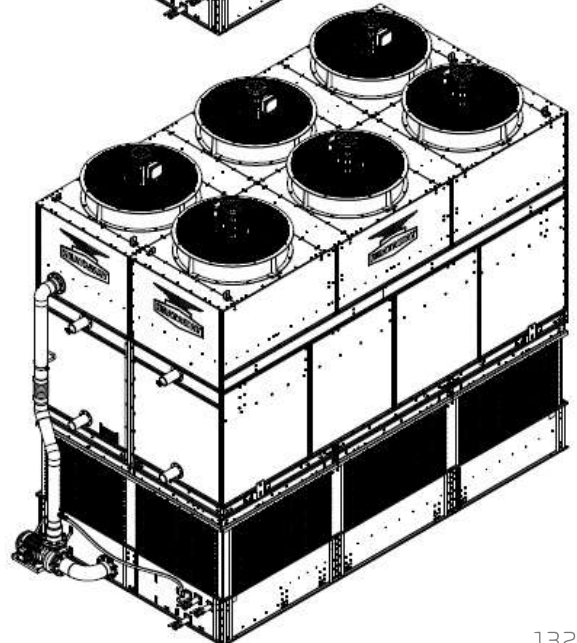
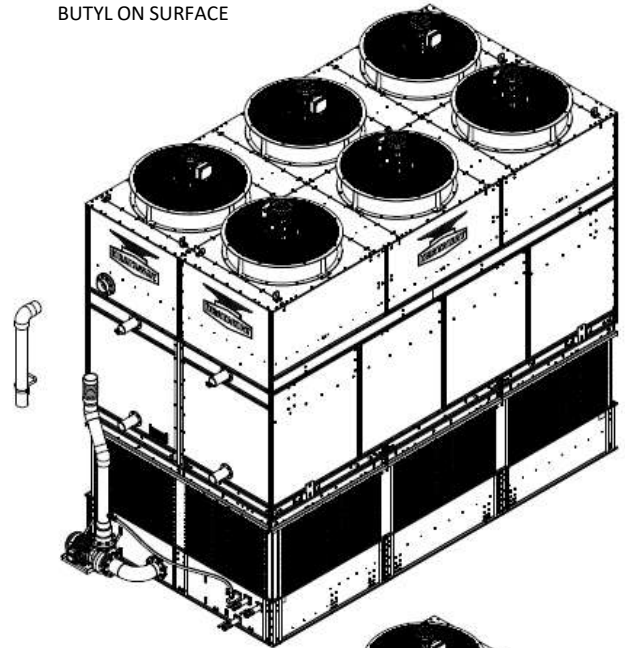
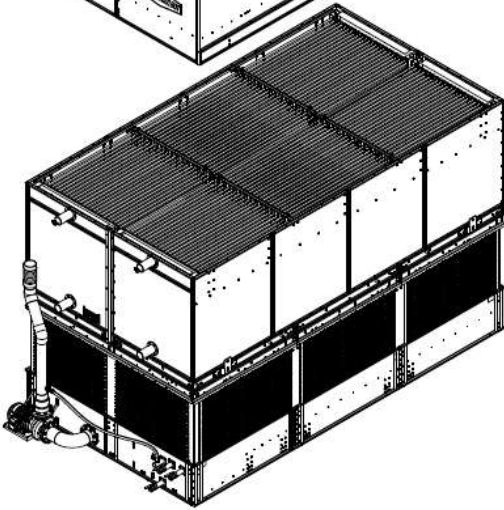
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0

>> Install FAN Section



HEX BOLT M8x1.25x20L
 WASHER SPRING M8
 WASHER M8
 HEX NUT M8 1.25

BUTYL ON SURFACE



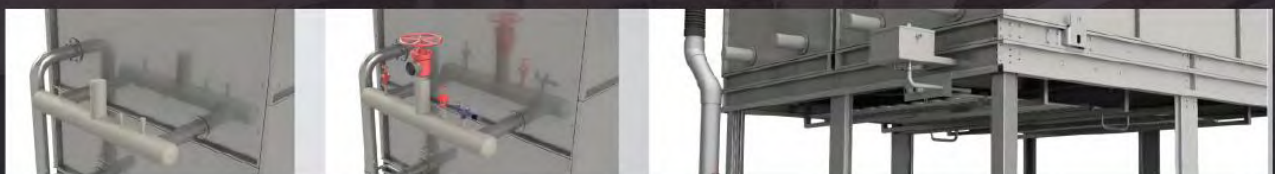
TIGHTENING TORQUE (A2-70)	
M	TORQUE (Nm)
6	7.0
8	17.0
10	33.0
12	57.0
16	140.0



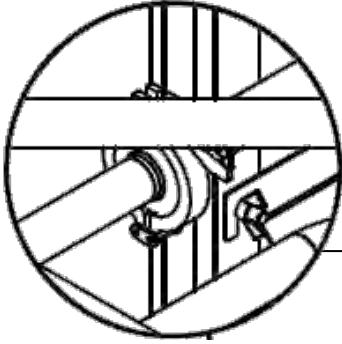
BRAND-NEW
9th GENERATION

RIGGING & ASSEMBLY INSTRUCTION

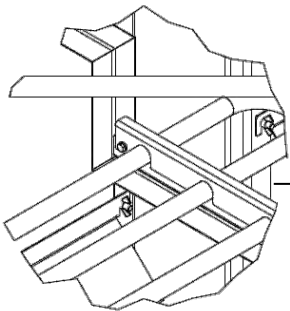
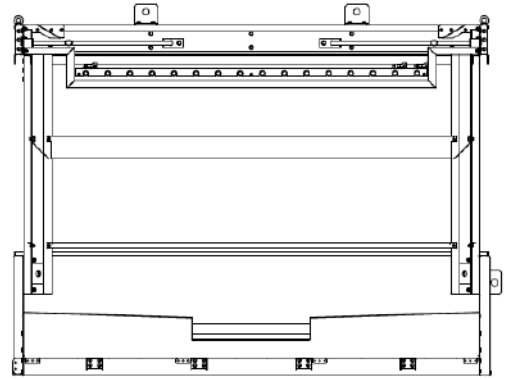
ADDITIONAL EQUIPMENT



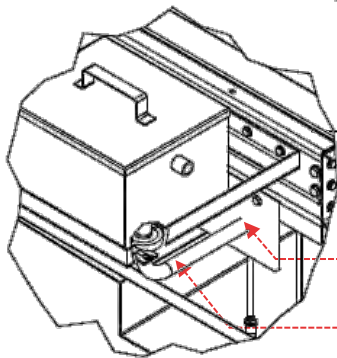
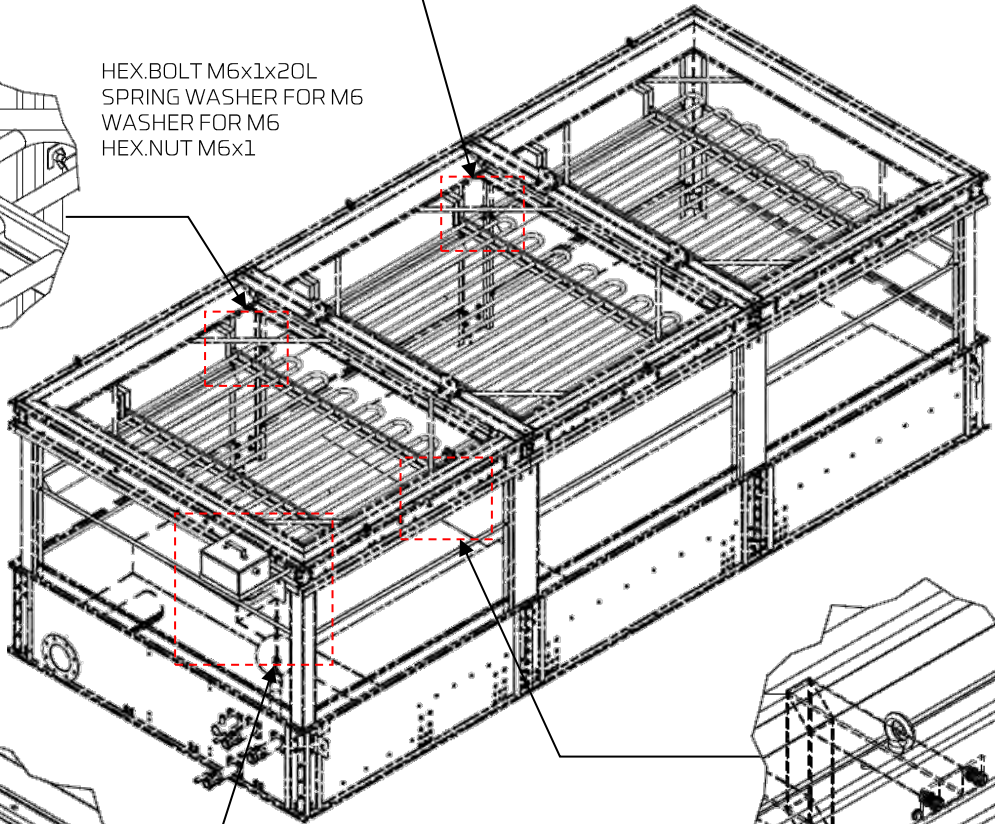
► Water Cooling Coil (1 Layer Type)



FERRULE GASKET 25.4 mm.
FERRULE CLAMP 25.4 mm.

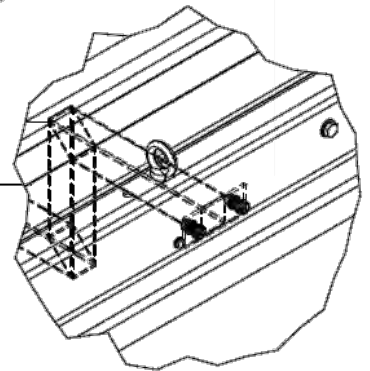


HEX.BOLT M6x1x20L
SPRING WASHER FOR M6
WASHER FOR M6
HEX.NUT M6x1



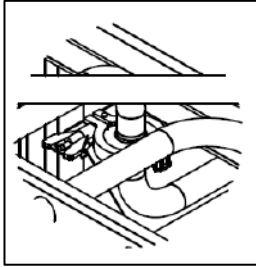
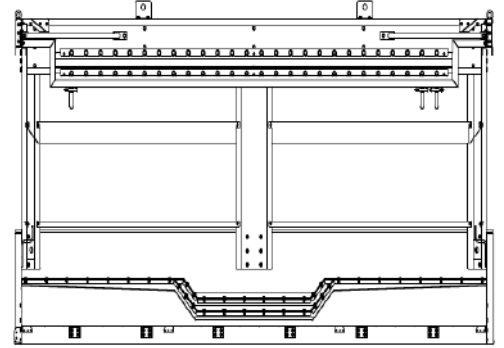
HEX.BOLT M8x1.5x20L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M5x1.5

FERRULE GASKET 25.4 mm.
FERRULE CLAMP 25.4 mm.

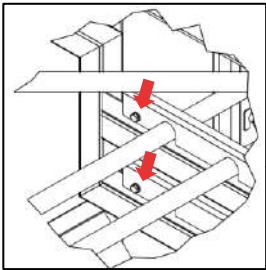


HEX.BOLT M8x1.5x21L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M5x1.5

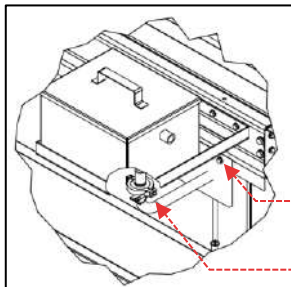
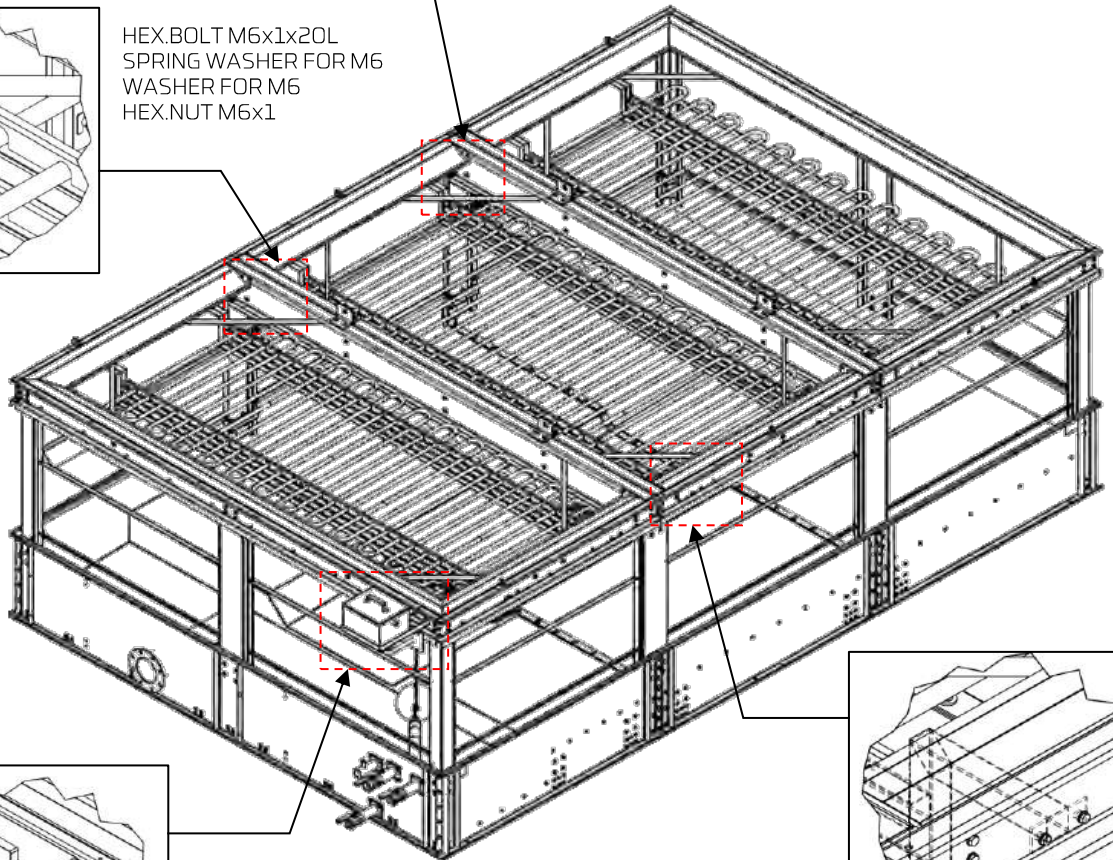
► Water Cooling Coil (2 Layer Type)



FERRULE GASKET 25.4 mm.
FERRULE CLAMP 25.4 mm.

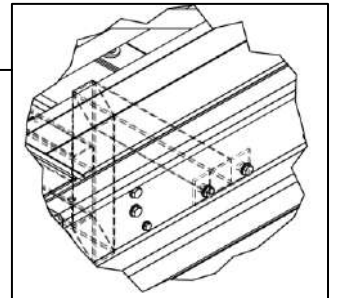


HEX.BOLT M6x1x20L
SPRING WASHER FOR M6
WASHER FOR M6
HEX.NUT M6x1



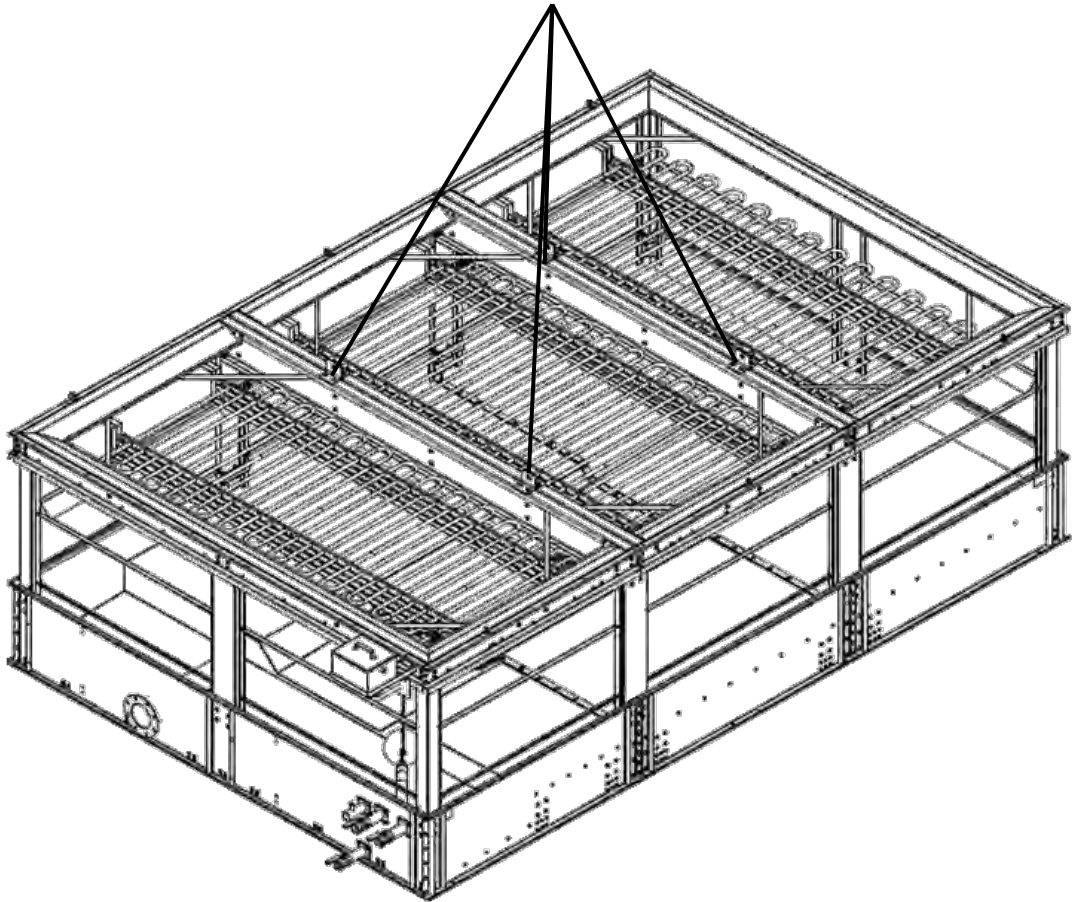
HEX.BOLT M8x1.5x20L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M5x1.5

FERRULE GASKET 25.4 mm.
FERRULE CLAMP 25.4 mm.

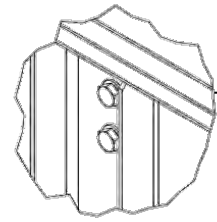
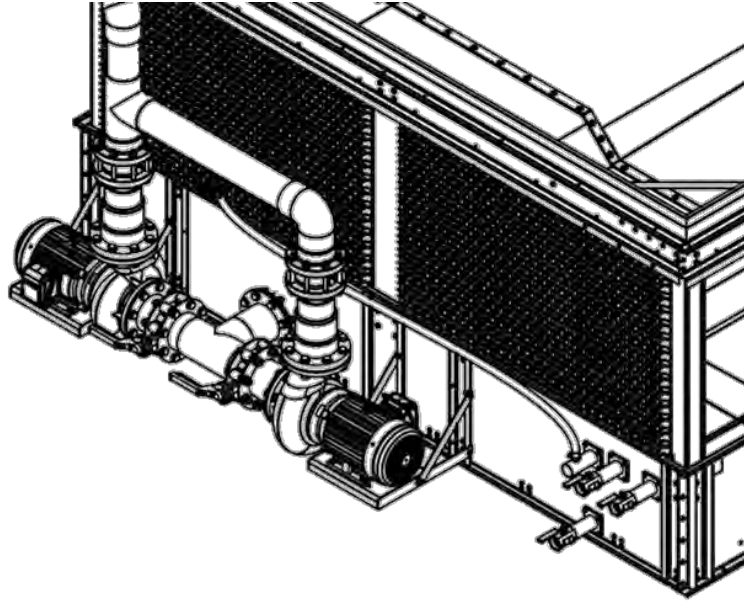


HEX.BOLT M8x1.5x21L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M5x1.5

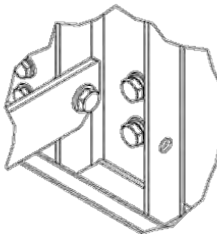
>> Process of BASIN SECTION with Water cooling coil move to position



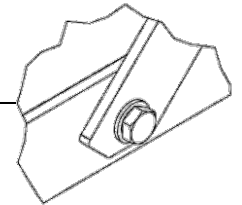
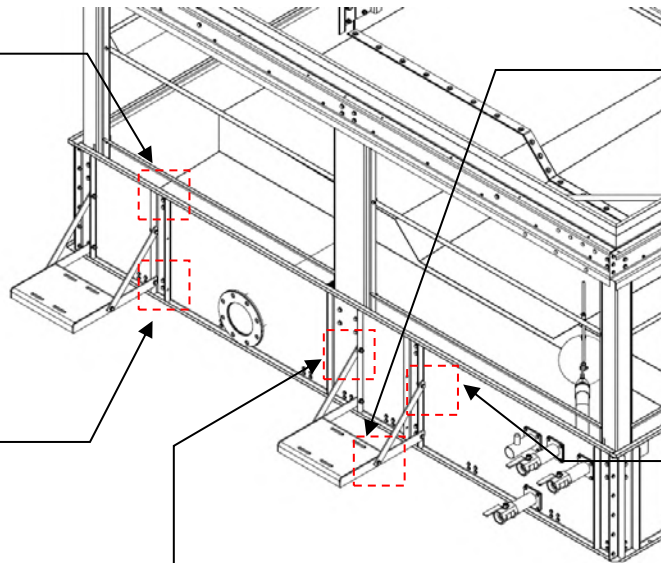
► Step 1: Start Assembly water pump base



HEX.BOLT M10x1.5x25L
WASHER FOR M10
HEX.NUT LOCK M10x1.5

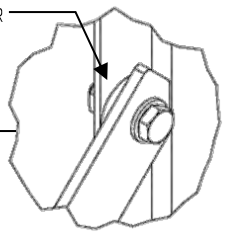


HEX.BOLT M10x1.5x30L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

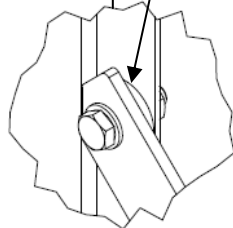


HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

WASHER



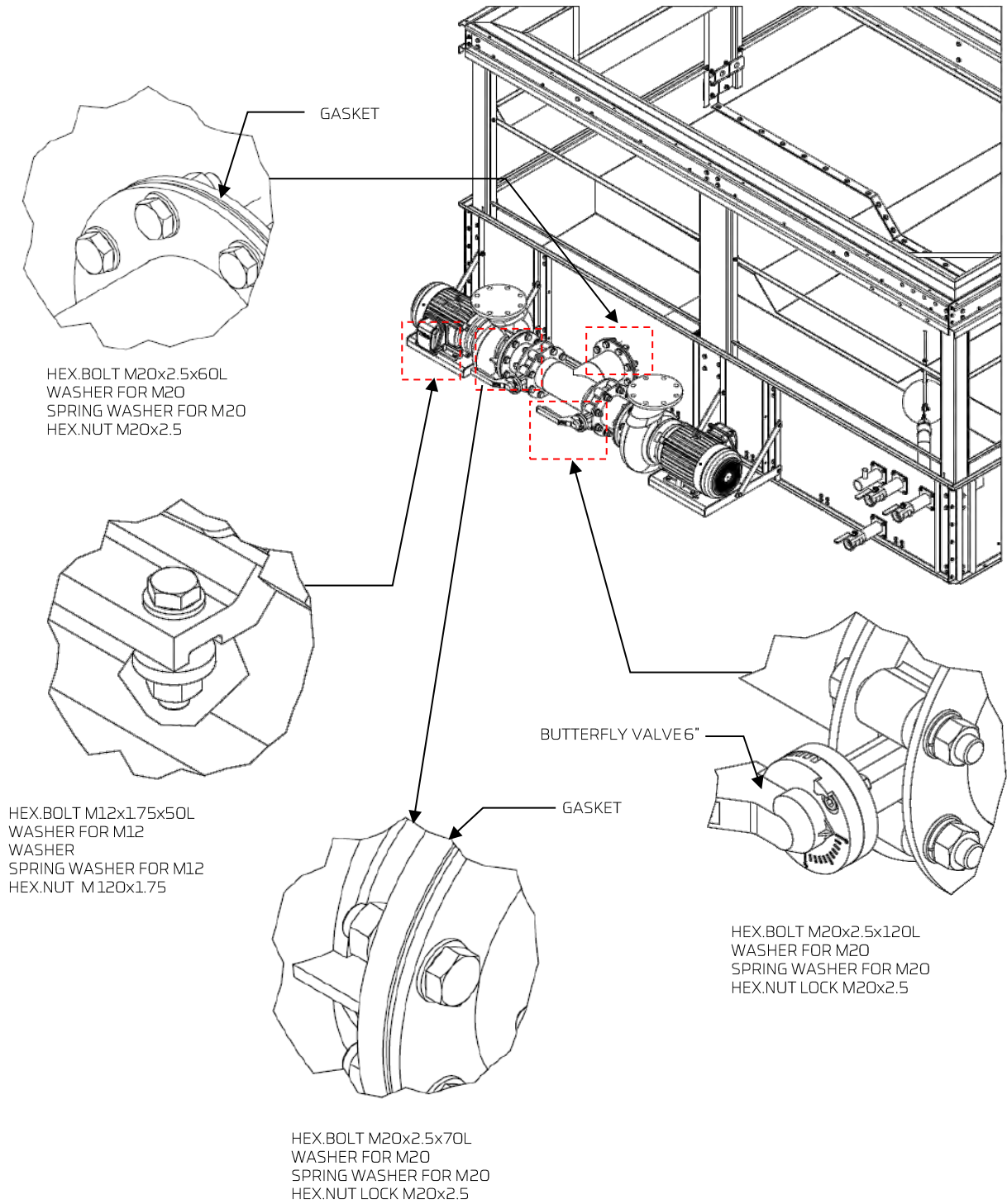
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5



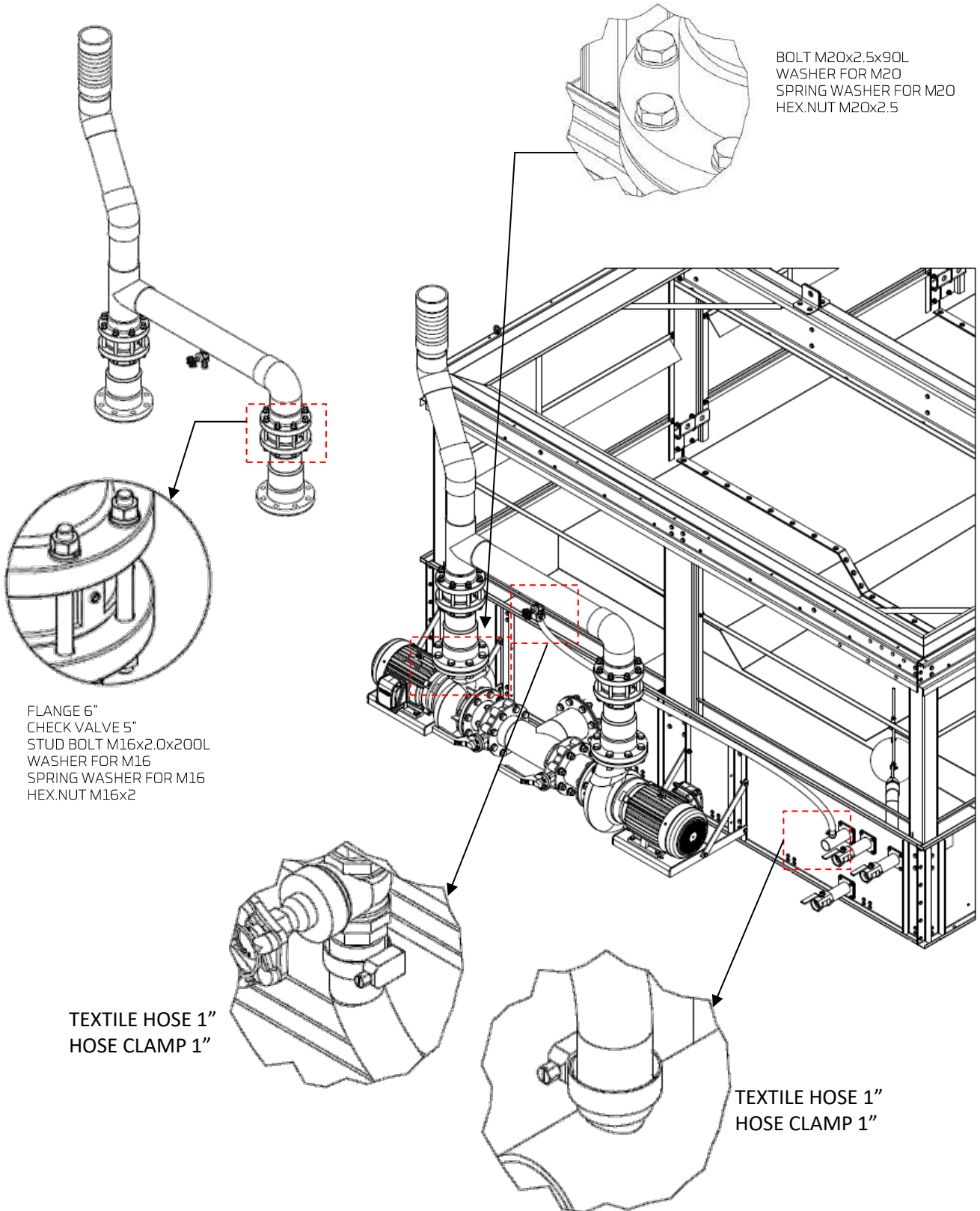
HEX.BOLT M10x1.5x35L
WASHER FOR M10
SPRING WASHER FOR M10
HEX.NUT M10x1.5

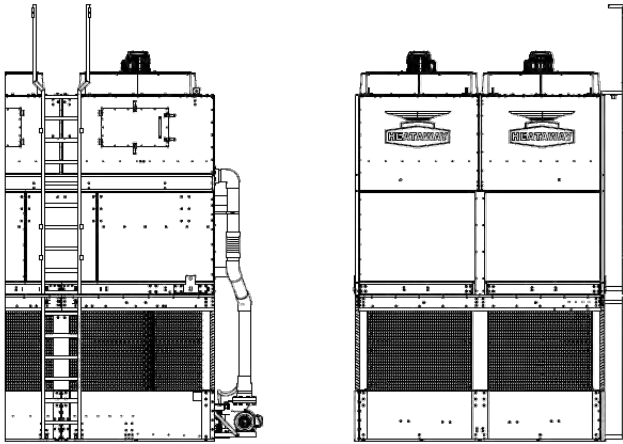
WASHER

► Step 2 : Assembly water pump and Suction Pump pipe



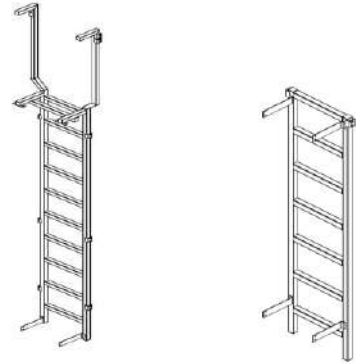
➤ Step 3 : Assembly Lower pump pipe





1. Lower Ladder
2. Upper Ladder

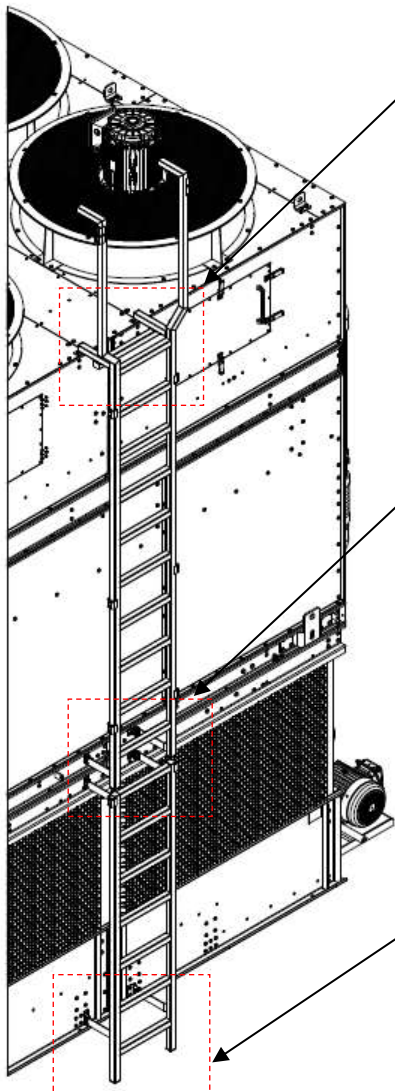
1 Unit
1 Unit



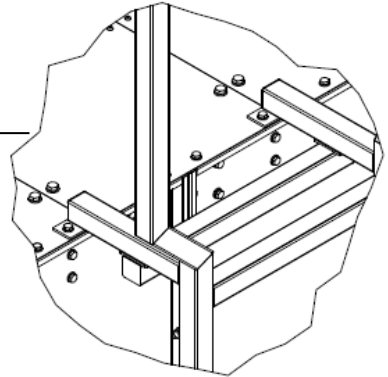
Upper Ladder

Lower Ladder

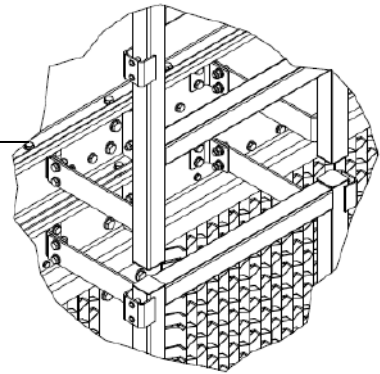
➤ Step 1: Start Assembly from Lower Ladder



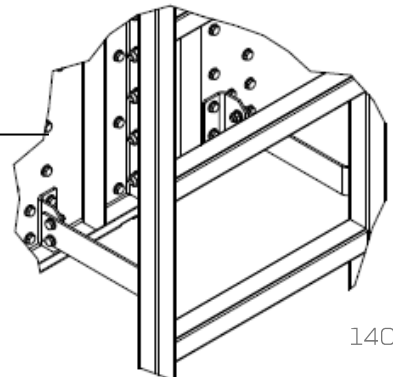
HEX.BOLT M8x1.25x25L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M8x1.25

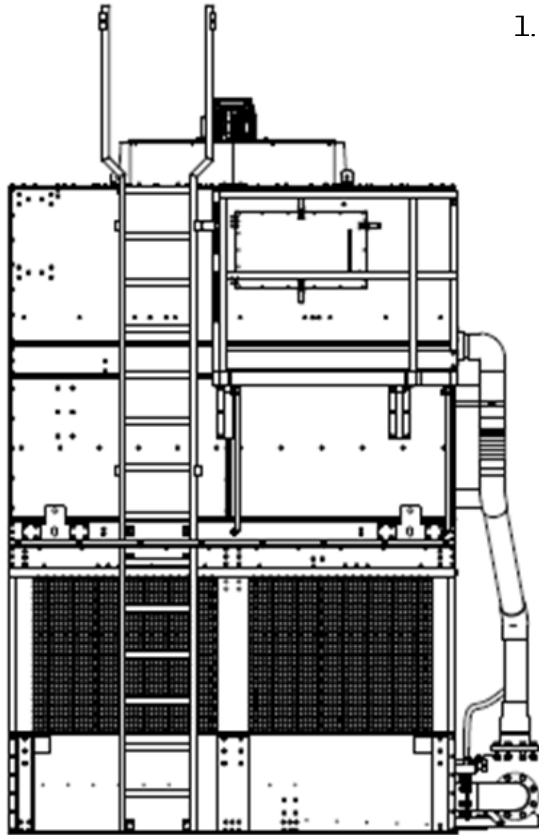


HEX.BOLT M8x1.25x25L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M8x1.25



HEX.BOLT M8x1.25x25L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M8x1.25

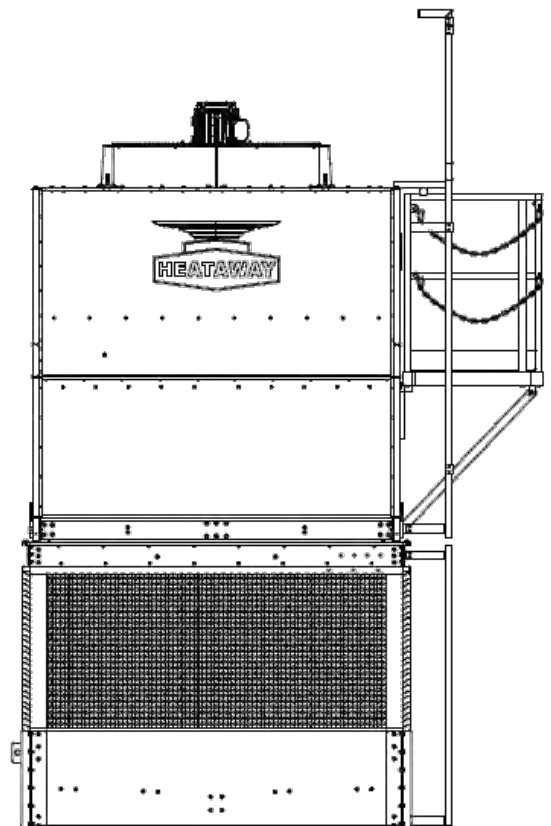
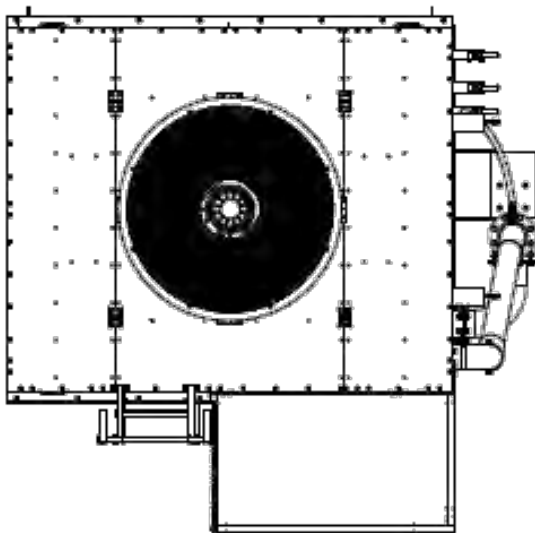
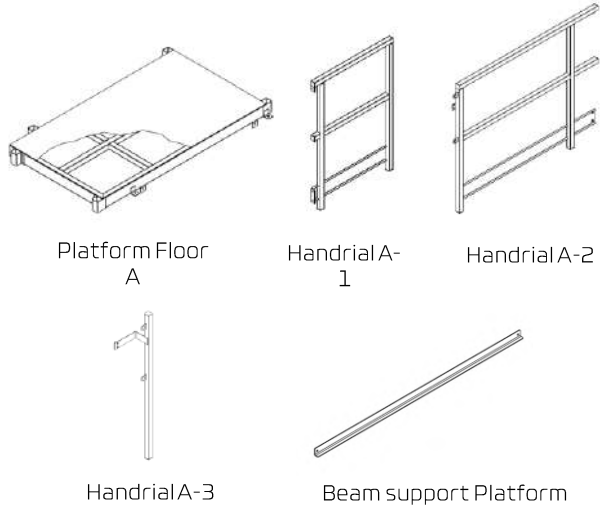




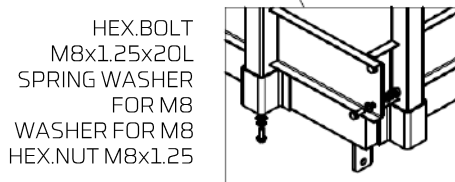
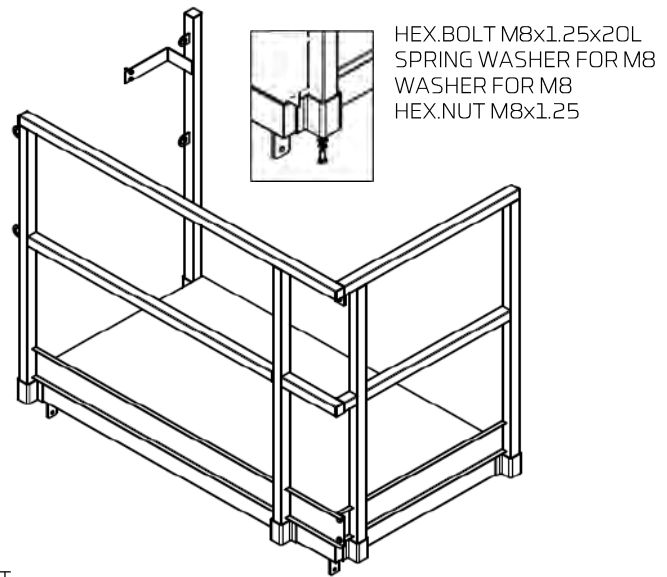
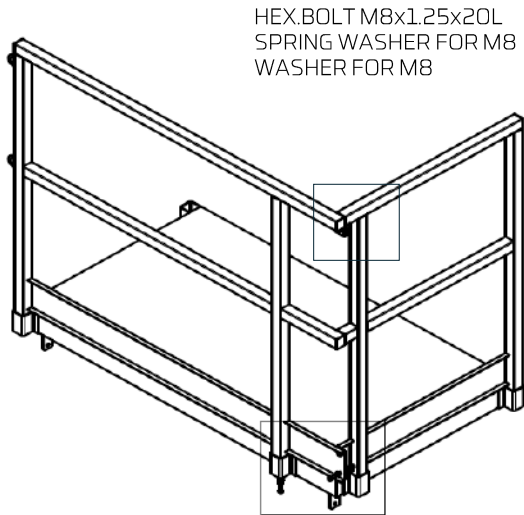
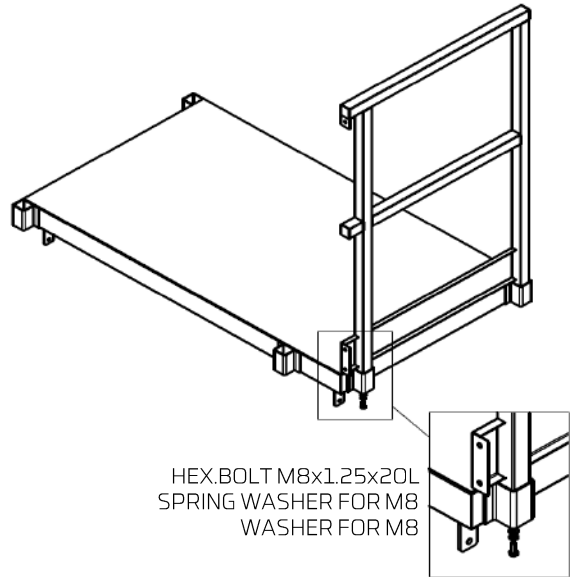
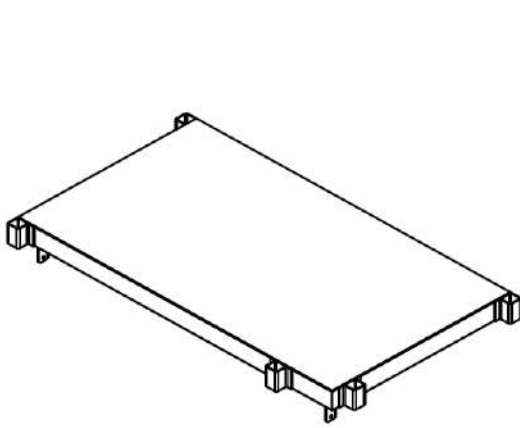
1. Platform A

- Platform Floor A
- Handrial A-1
- Handrail A-2
- Handrail A-3
- Beam support Platform

1 Set
1 Unit
1 Unit
1 Unit
1 Unit
2 Units

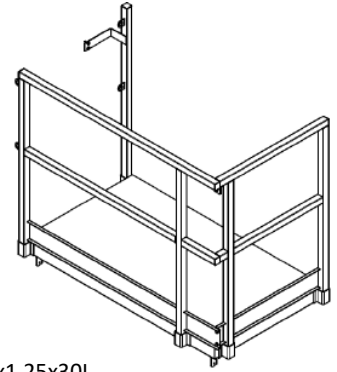
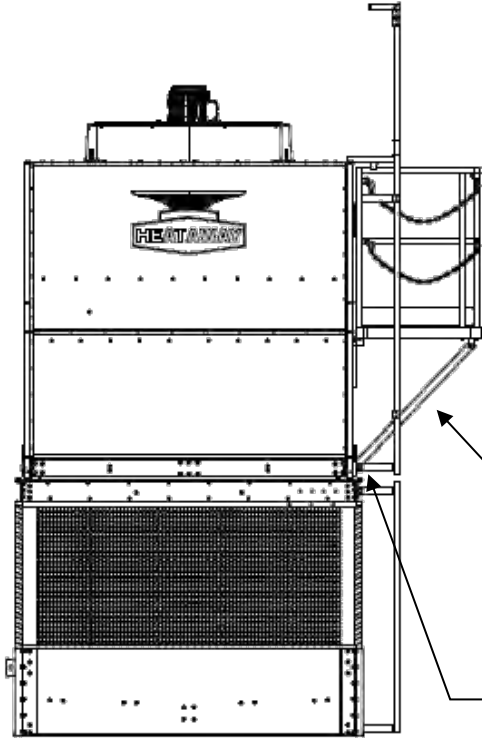


► Step 1: Start Assembly from Platform A



HEX.BOLT
M8x1.25x20L
SPRING WASHER
FOR M8
WASHER FOR M8
HEX.NUT M8x1.25

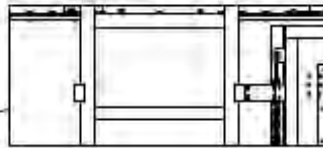
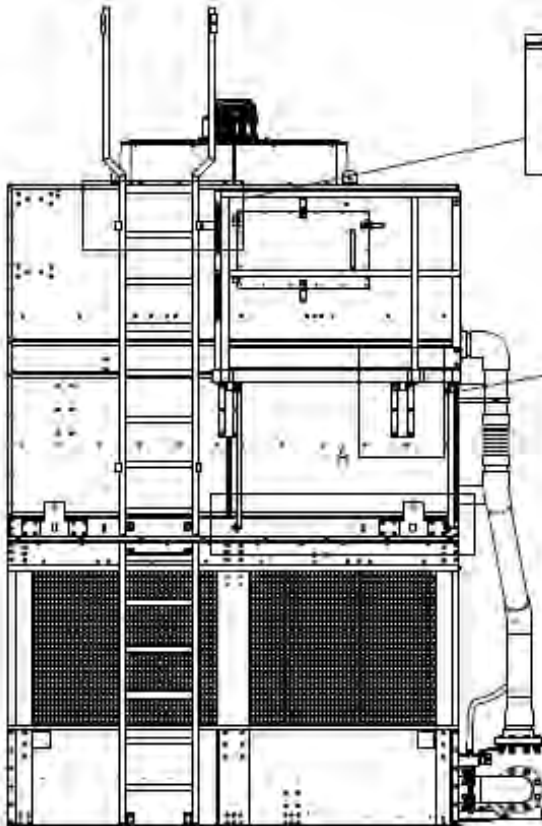
► Step 2 : Install Platform A



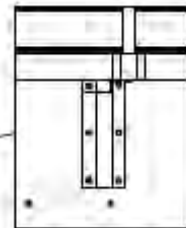
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

Beam support Platform

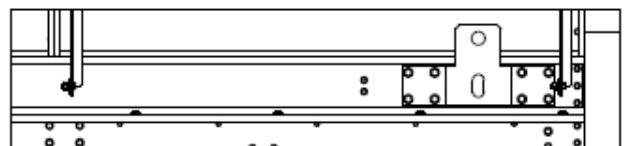
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

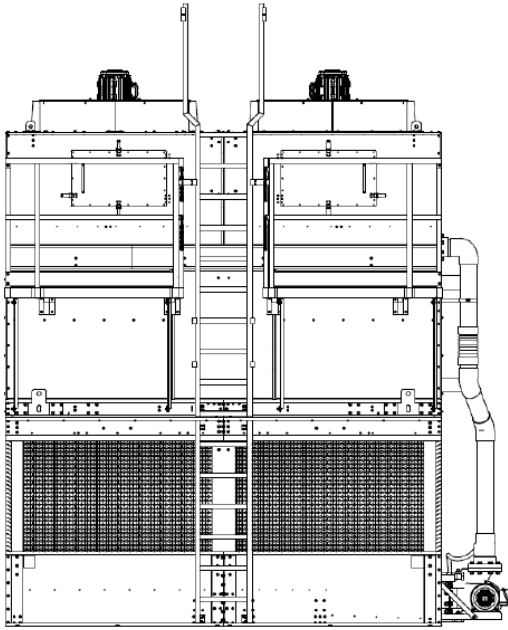


HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

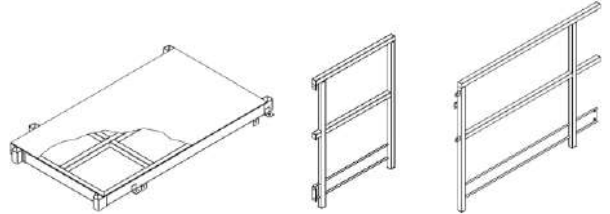
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



1. Platform A

- | | |
|-------------------------|---------|
| - Platform Floor A | 1 Unit |
| - Handrial A-1 | 1 Unit |
| - Handrail A-2 | 1 Unit |
| - Handrail A-3 | 1 Unit |
| - Beam support Platform | 2 Units |

1 Set



Platform Floor A

Handrial A-1

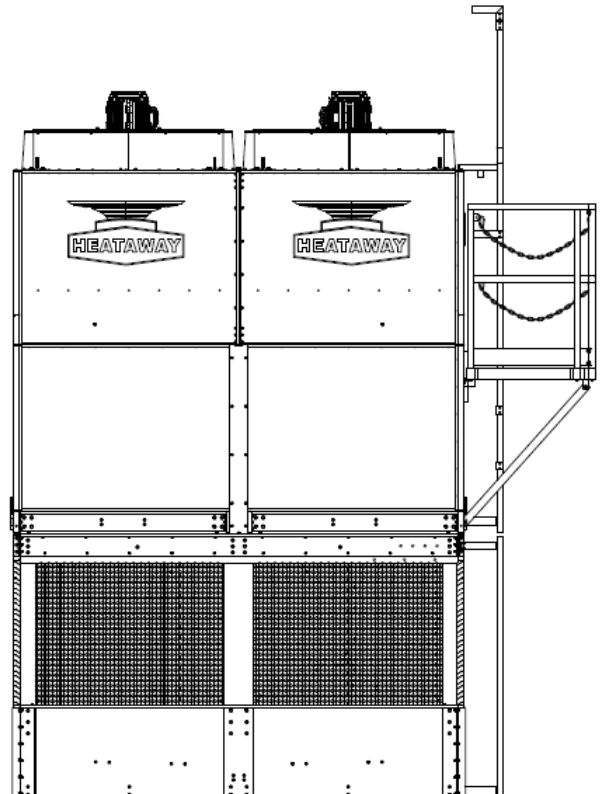
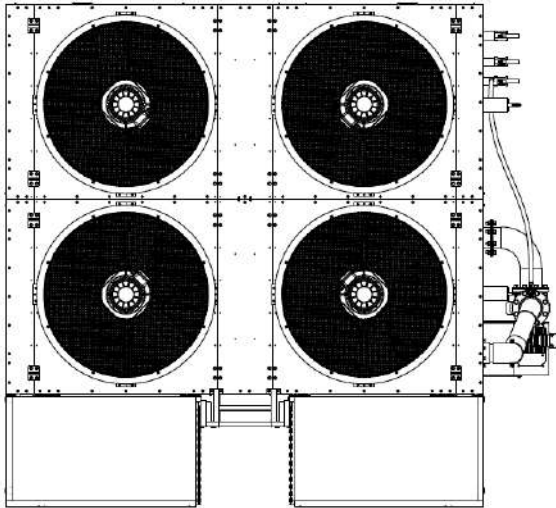
Handrail A-2



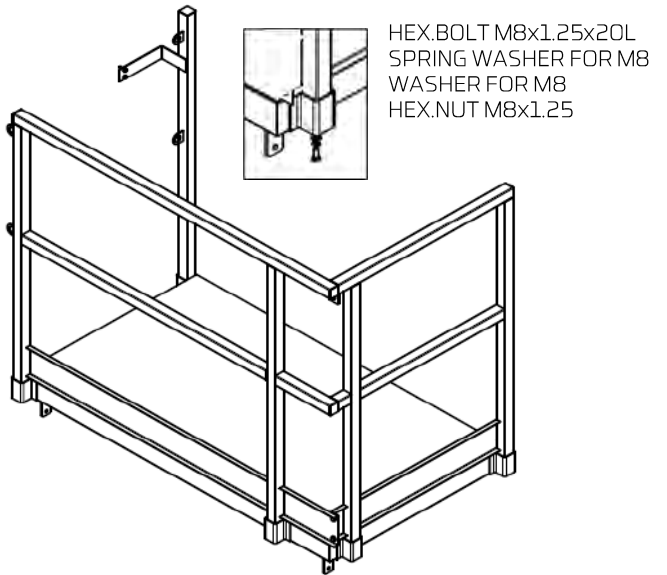
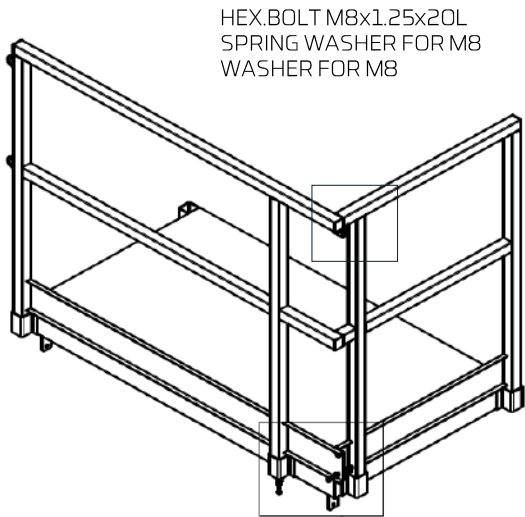
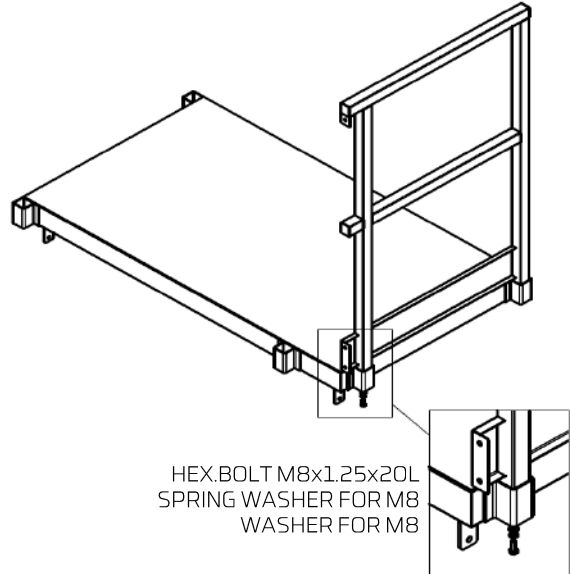
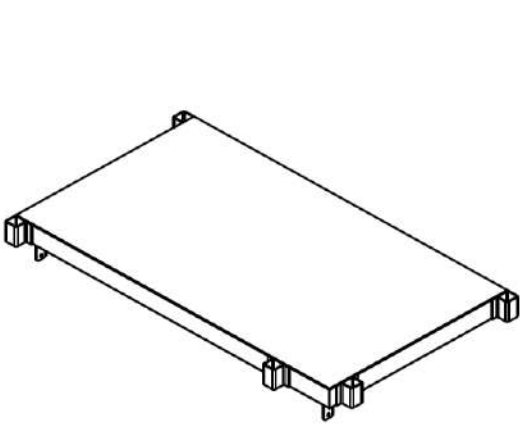
Handrial A-3



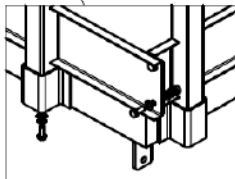
Beam support Platform



➤ Step 1: Start Assembly from Platform A

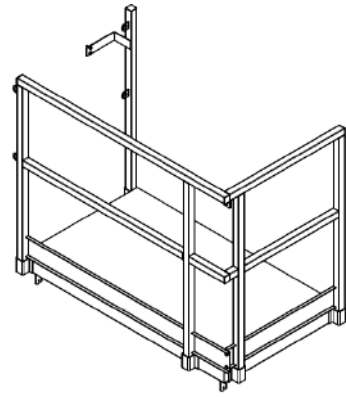
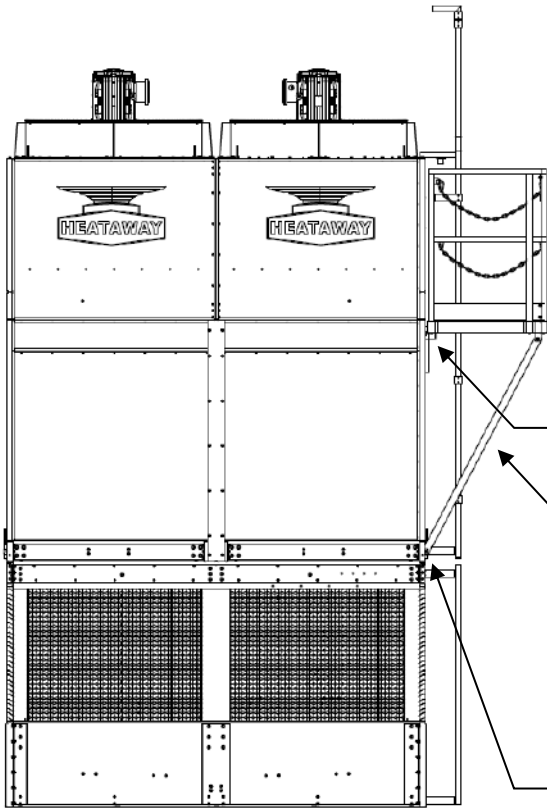


HEX.BOLT M8x1.25x20L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M8x1.25



HEX.BOLT M8x1.25x20L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M8x1.25

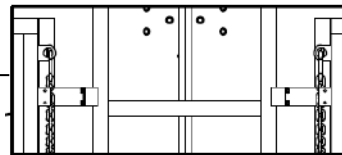
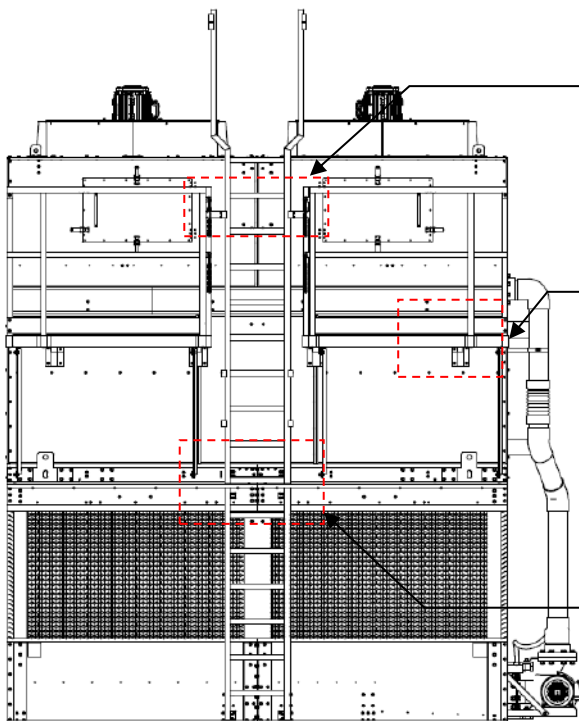
► Step 1: Start Assembly from Platform A



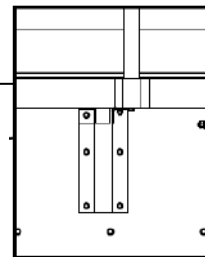
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

Beam support Platform

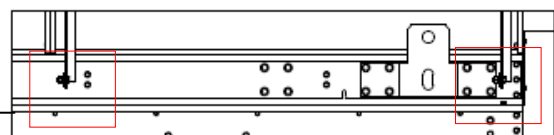
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

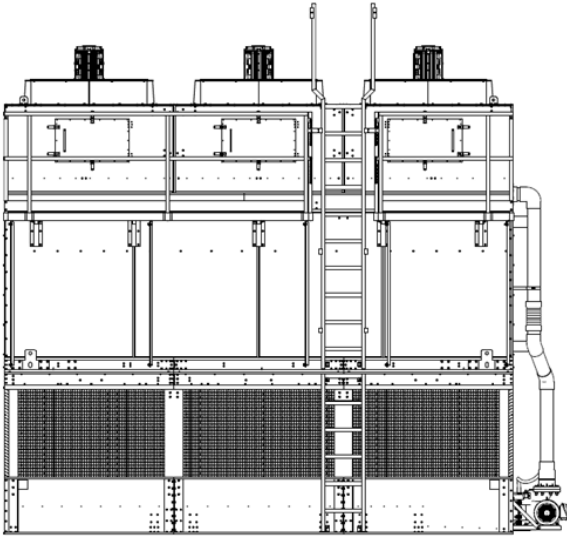


HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

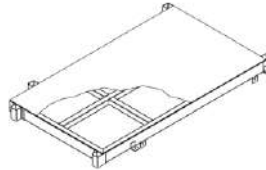
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



1. Platform A

- Platform Floor A
- Handrail A-1
- Handrail A-2
- Handrail A-3
- Beam support Platform

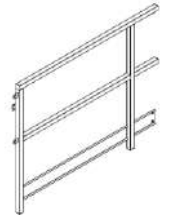
- 1 Set
1 Unit
1 Unit
1 Unit
2 Units



Platform Floor
A



Handrail A-
1



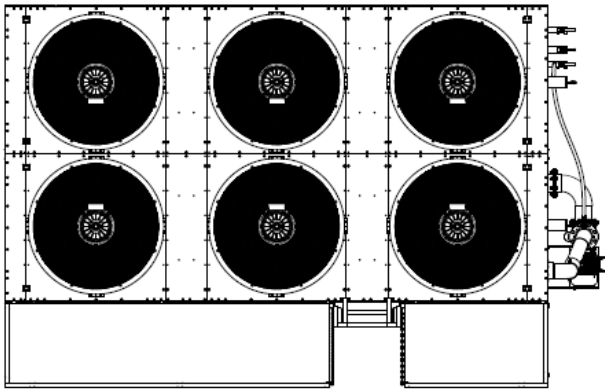
Handrail A-2



Handrail A-3



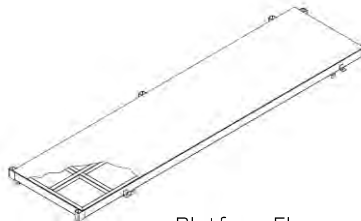
Beam support Platform



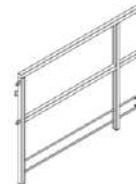
2. Platform B

- Platform Floor B
- Handrail B-1
- Handrail B-2
- Handrail B-3
- Beam support Platform

- 1 Set
1 Unit
1 Unit
1 Unit
3 Unit



Platform Floor
B



Handrail B-
1



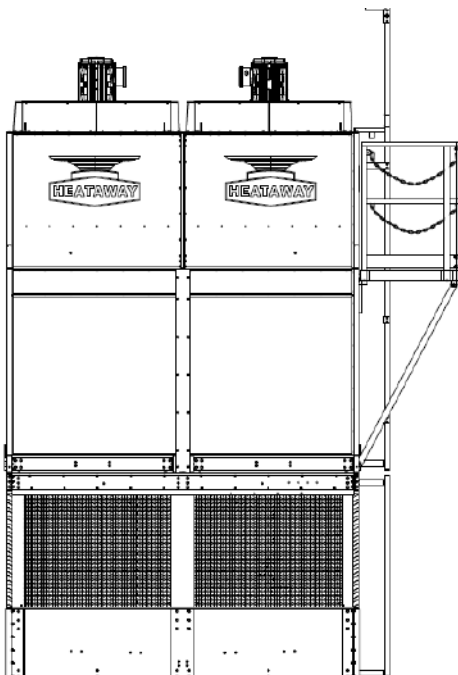
Handrail B-2



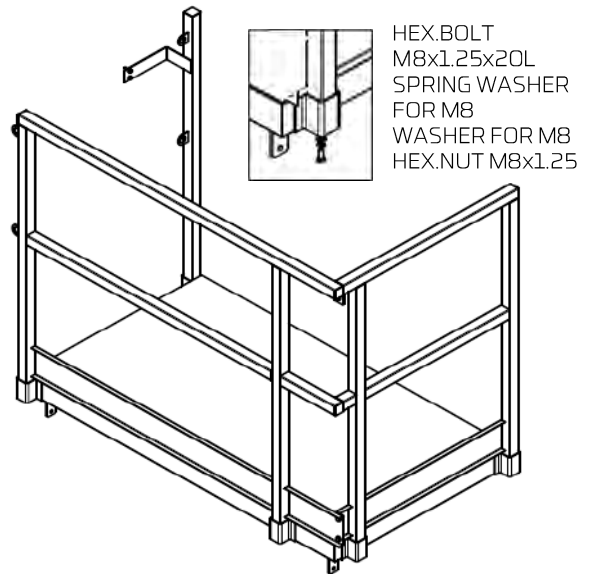
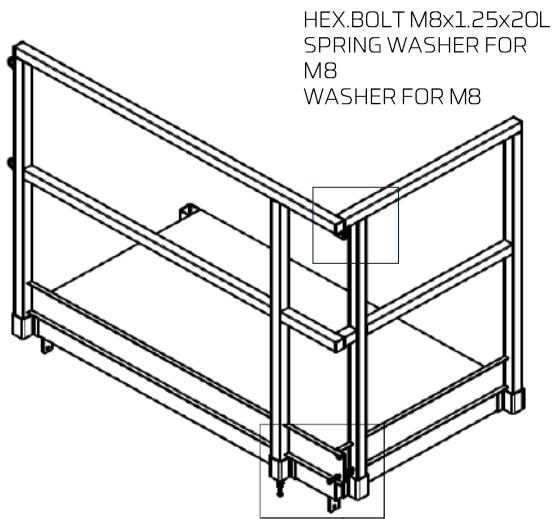
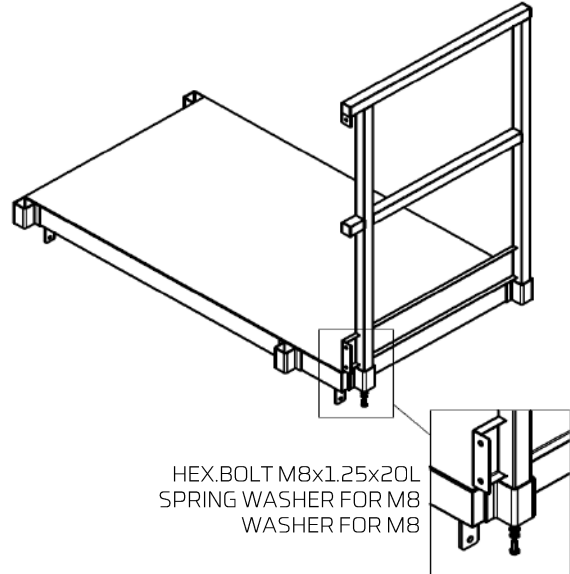
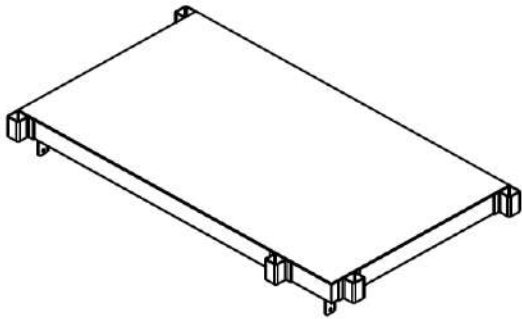
Handrail B-3



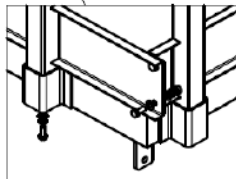
Beam support Platform



➤ Step 1: Start Assembly from Platform A

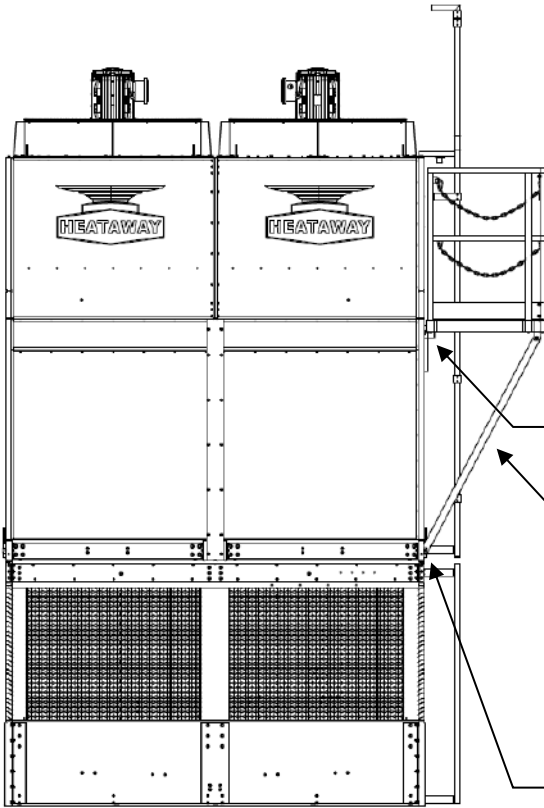
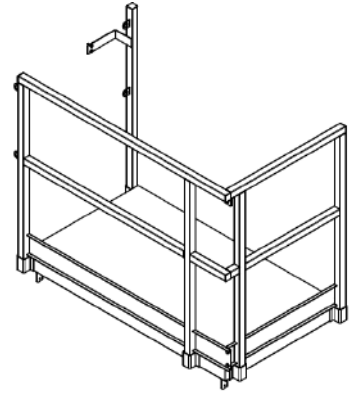


HEX.BOLT M8x1.25x20L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M8x1.25



HEX.BOLT M8x1.25x20L
SPRING WASHER FOR M8
WASHER FOR M8
HEX.NUT M8x1.25

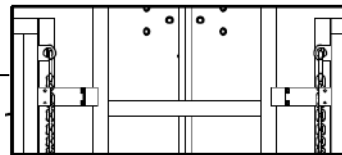
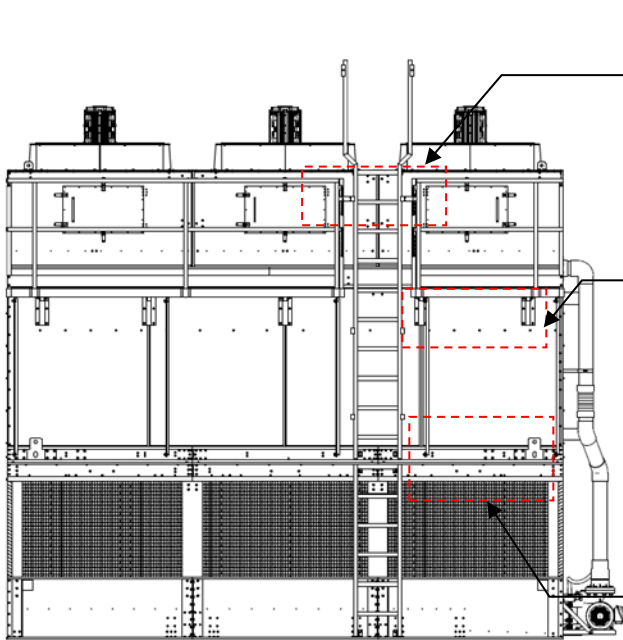
➤ Step 1: Start Assembly from Platform A



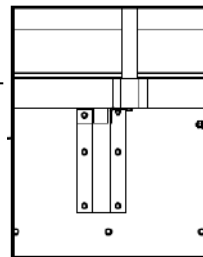
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

Beam support Platform

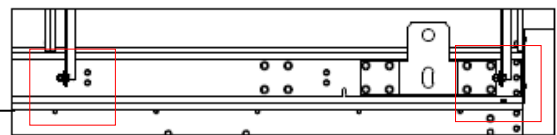
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



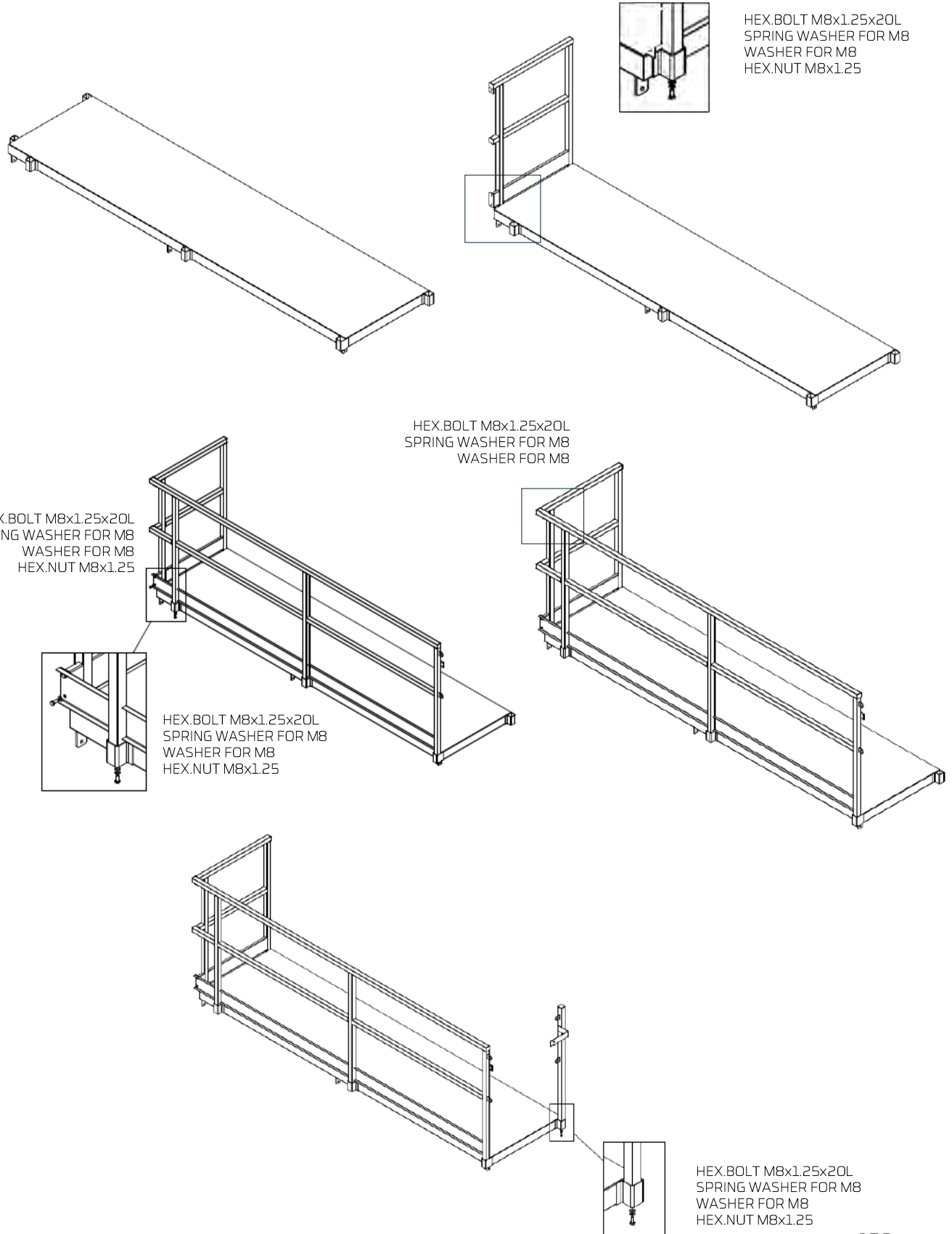
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



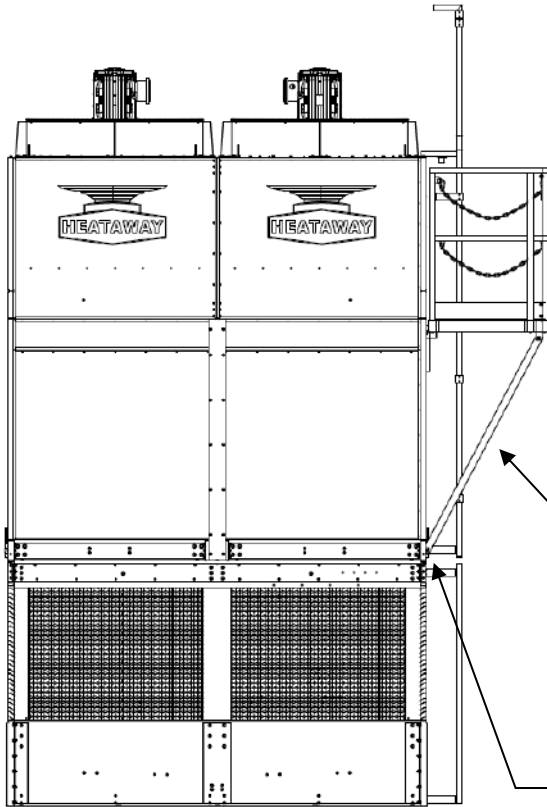
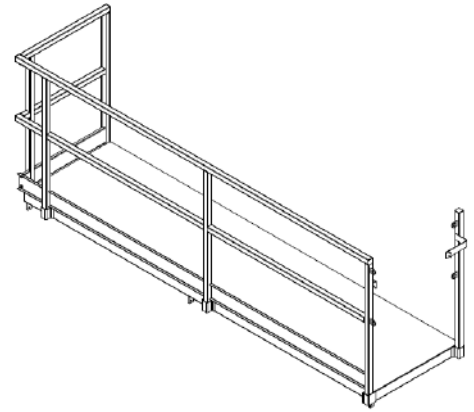
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

➤ Step 2 : Start Assembly from Platform B



➤ Step 1: Start Assembly from Platform A

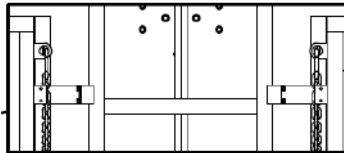


HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

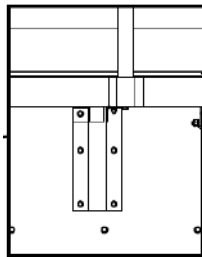
Beam support Platform

HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25

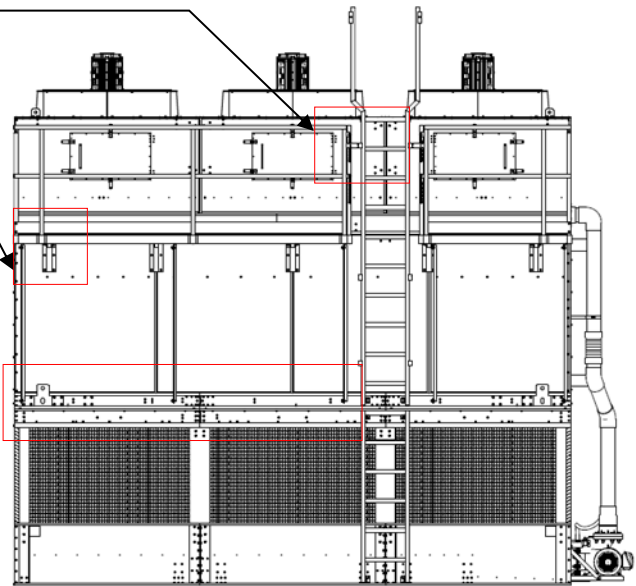
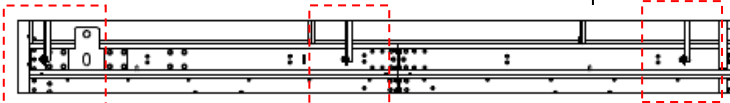
HEX.BOLT
 M10x1.25x30L
 SPRING WASHER
 FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



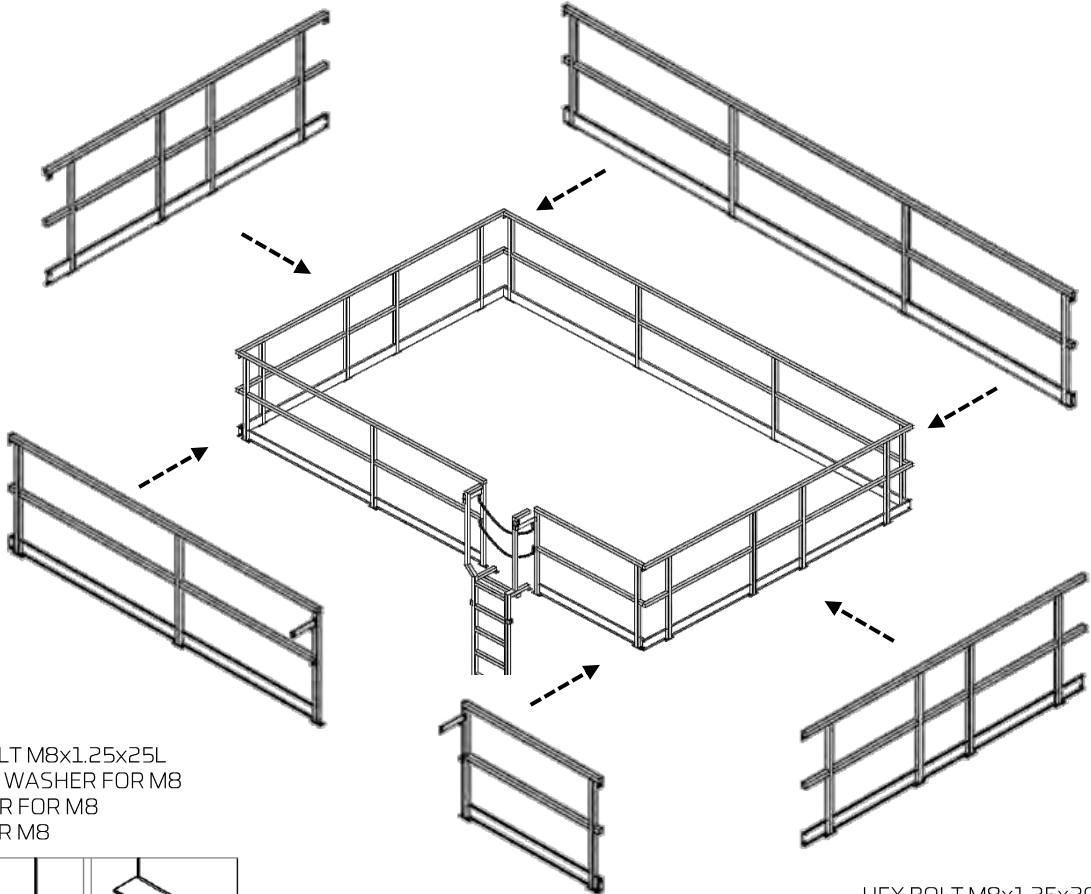
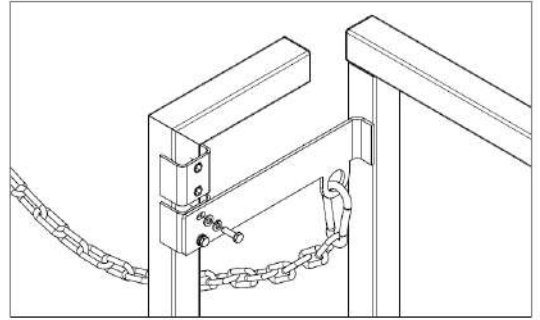
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



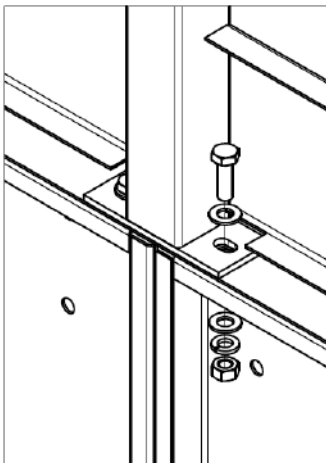
HEX.BOLT M10x1.25x30L
 SPRING WASHER FOR M10
 WASHER FOR M10
 HEX.NUT M10x1.25



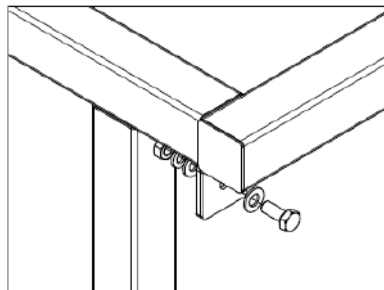
HEX.BOLT M6x1.25x20L
 SPRING WASHER FOR M6
 WASHER FOR M6
 NUT FOR M6



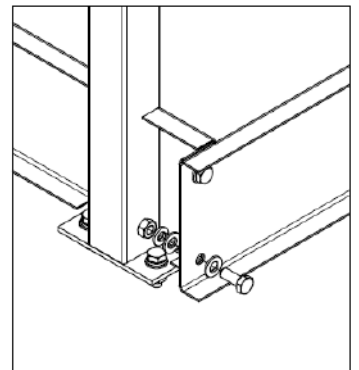
HEX.BOLT M8x1.25x25L
 SPRING WASHER FOR M8
 WASHER FOR M8
 NUT FOR M8



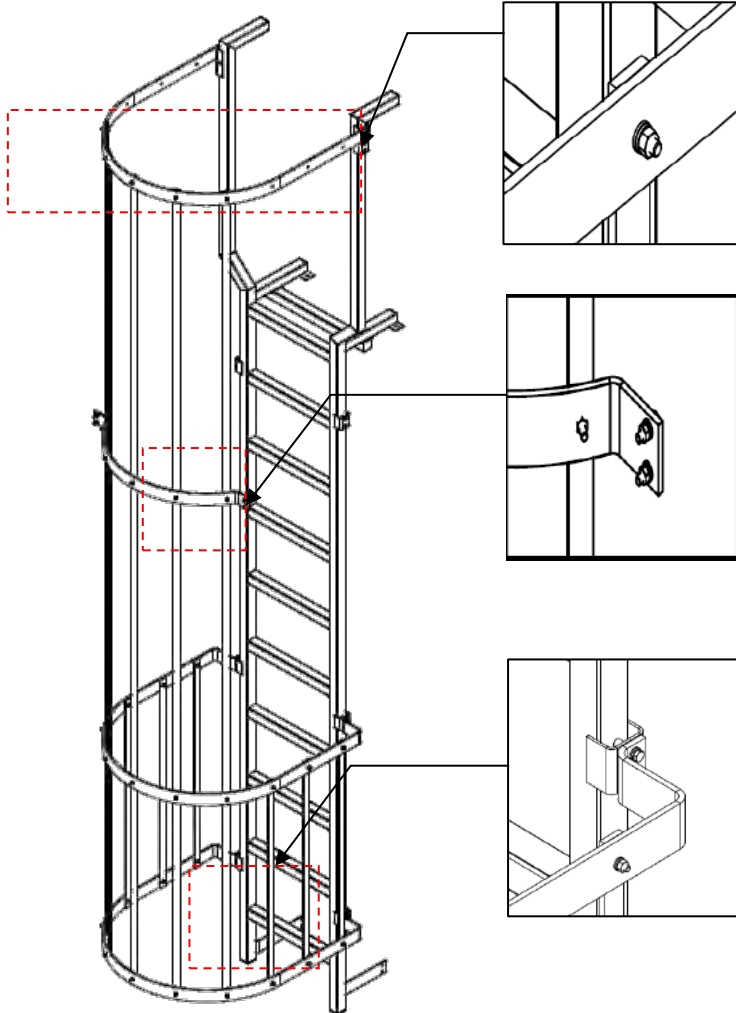
HEX.BOLT M8x1.25x20L
 SPRING WASHER FOR M8
 WASHER FOR M8
 NUT FOR M8



HEX.BOLT M8x1.25x20L
 SPRING WASHER FOR M8
 WASHER FOR M8
 NUT FOR M8



► Standard Cage

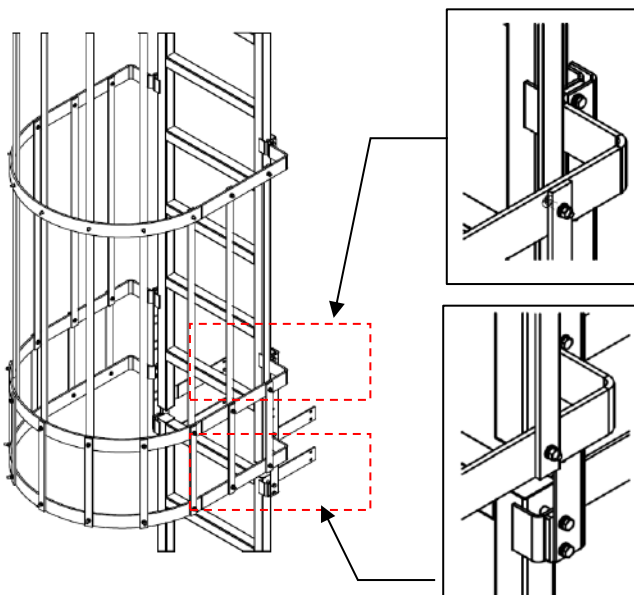


HEX.BOLT M6x1.25x25L (PAN HEAD)
 SPRING WASHER FOR M6
 WASHER FOR M6
 NUT FOR M6

HEX.BOLT M6x1.25x25L (PAN HEAD)
 SPRING WASHER FOR M6
 WASHER FOR M6
 NUT FOR M6

HEX.BOLT M6x1.25x25L
 SPRING WASHER FOR M6
 WASHER FOR M6

► Addition cage



HEX.BOLT M6x1.25x30L (PAN HEAD)
 SPRING WASHER FOR M6
 WASHER FOR M6
 NUT FOR M6

HEX.BOLT M6x1.25x25L
 SPRING WASHER FOR M6
 WASHER FOR M6
 NUT FOR M6



HEATAWAY

WORLD CLASS QUALITY

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