

# Assembly List



Project Number:	Proj No.
Project	Project Name
Date	07.12.2022

Mark	Qty	Profile	Name	Finish	Length (mm)	Unit Area (m2)	Unit Weight (kg)
B00005	1	UB250*31	BEAM	PAINT SPEC 1	5948	6.4	188.8
B00010	1	CHS219*8	BEAM		1000	0.7	41.6
BRG00001	4	LYS-HOOK-LOK-II	H2C20PB20	PAINT SPEC 1	1200	0.4	4.2
BRG00002	4	LYS-HOOK-LOK-II	H2L20PB20	PAINT SPEC 1	1200	0.4	4.2
BRG00003	2	LYS-HOOK-LOK-II	H2C20PL20	PAINT SPEC 1	1200	0.4	4.2
C00001	1	UC310*118	COLUMN	PAINT SPEC 1	7247	14.3	900.2
C00002	1	UB460*67	COLUMN	PAINT SPEC 1	7670	13.1	537.7
C00003	1	UC310*118	COLUMN	PAINT SPEC 1	7247	13.9	882.6
C00005	1	UC310*118	COLUMN	PAINT SPEC 1	2838	5.7	353.6
FR00001	1	PFC180*75	FRAME	GALVANISED	1240	6.2	180.6
GT00001	3	Z20019	GIRT	PAINT SPEC 1	6400	5	35.8
HB00002	1	EA100*100*10	HORIZONTAL BRACE	PAINT SPEC 1	7988	3.1	113.5
HB00003	1	CHS193.7*6.0	HORIZONTAL BRACE	PAINT SPEC 1	5672	3.7	162.1
HB00004	1	D20	HORIZONTAL BRACE	PAINT SPEC 1	5076	0.4	15
HD00001	12	D20	HD BOLT	PAINT SPEC 1	500	0	1.7
HR00001	1	CHS33.7*3.2	HANDRAIL	PAINT SPEC 1	2361	0.9	27.4
LP00001	2	PLT10*178	LOOSE PLATE	PAINT SPEC 1	460	0.2	6.4
PL00001	2	PLT6*155	LOOSE PLATE	PAINT SPEC 1	310	0.1	2.3
PU00001	3	Z20019	PURLIN	PAINT SPEC 1	6624	5.1	37
R00001	1	UB310*40	RAFTER	PAINT SPEC 1	5885	7.8	261
R00002	1	UB530*82	RAFTER	PAINT SPEC 1	1896	3.8	166.9
R00003	1	UB530*82	RAFTER	PAINT SPEC 1	4009	7.8	342
ST00001	1	PFC180*75	STAIR	GALVANISED	3397	2.7	88.1
ST00003	1	PFC180*75	STAIR	GALVANISED	1796	4.6	119.4
VB00001	1	EA75*75*6	VERTICAL BRACE	PAINT SPEC 1	8809	2.6	60
VB00002	1	EA75*75*6	VERTICAL BRACE	PAINT SPEC 1	9039	2.6	61.5
VB00003	1	CHS193.7*6.0	VERTICAL BRACE	PAINT SPEC 1	8591	5.5	243.3
<b>Total for 51 assemblies:</b>						<b>141</b>	<b>5043.5</b>

## Material List

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### Hot Rolled

Profile	Grade	Part Mark	Qty	Length[mm]	Unit Area (m2)	Total Area (m2)	Unit Weight (kg)	Total Weight (kg)
UB310*40	300PLUS	f00010	1	5867	7.28	7.28	237.02	237.02
Subtotal			1	5867		7.28		237.02
UC310*118	300PLUS	f00001	1	7237	13.1	13.1	853.97	853.97
Subtotal			1	7237		13.1		853.97
<b>Total</b>			<b>2</b>			<b>20.37</b>		<b>1090.99</b>

### Angles

Profile	Grade	Part Mark	Qty	Length[mm]	Unit Area (m2)	Total Area (m2)	Unit Weight (kg)	Total Weight (kg)
EA75*75*6	300PLUS	f00008	1	8809	2.55	2.55	59.95	59.95
EA75*75*6	300PLUS	f00009	1	9039	2.62	2.62	61.52	61.52
Subtotal			2	17848		5.18		121.47
EA100*100*10	300PLUS	f00013	1	7994	3.12	3.12	113.58	113.58
Subtotal			1	7994		3.12		113.58
<b>Total</b>			<b>3</b>			<b>8.29</b>		<b>235.05</b>

### Tubes

Profile	Grade	Part Mark	Qty	Length[mm]	Unit Area (m2)	Total Area (m2)	Unit Weight (kg)	Total Weight (kg)
CHS193.7*6.0	300PLUS	f00006	1	5342	3.25	3.25	148.44	148.44
CHS193.7*6.0	300PLUS	f00029	1	8261	5.03	5.03	229.55	229.55
Subtotal			2	13602		8.28		377.99
<b>Total</b>			<b>2</b>			<b>8.28</b>		<b>377.99</b>

### Cold Rolled

Profile	Grade	Part Mark	Qty	Length[mm]	Unit Area (m2)	Total Area (m2)	Unit Weight (kg)	Total Weight (kg)
Z20019	G450	z00002	3	6400	4.96	14.88	35.8	107.39
Z20019	G450	z00001	1	6624	5.13	5.13	37.05	37.05
Subtotal			4	25824		20.01		144.44
<b>Total</b>			<b>4</b>			<b>20.01</b>		<b>144.44</b>

### Plates

Profile	Grade	Part Mark	Qty	Length[mm]	Unit Area (m2)	Total Area (m2)	Unit Weight (kg)	Total Weight (kg)
FL8*75	250	f00037	3	415	0.07	0.21	1.95	5.86
Subtotal			3	1245		0.21		5.86
PLT5*92	250	f00040	4	193	0.03	0.12	0.54	2.14
Subtotal			4	770		0.12		2.14
PLT10*160	250	f00051	1	285	0.1	0.1	3.58	3.58
Subtotal			1	285		0.1		3.58
PLT10*234	250	f00039	2	315	0.16	0.32	5.78	11.56
Subtotal			2	630		0.32		11.56
PLT10*436	250	f00038	1	513	0.41	0.41	15.56	15.56
Subtotal			1	513		0.41		15.56
PLT20*159	250	f00053	1	259	0.06	0.06	3.66	3.66
Subtotal			1	259		0.06		3.66
PLT20*190	250	f00056	1	274	0.08	0.08	4.85	4.85
Subtotal			1	274		0.08		4.85
<b>Total</b>			<b>13</b>			<b>1.3</b>		<b>47.22</b>

# Bolt Summary



<b>Project Number:</b>	<b>Proj No.</b>
<b>Project</b>	<b>Project Name</b>
<b>Date</b>	<b>07.12.2022</b>

Bolt Dia	Bolt Grade	Length(mm)	Qty	Comments	
12	PB1230	30	44		
12	CHEMICAL ANCHOR	250	4		
12	8.8S	30	24		
12	8.8S	40	4		
16	8.8S	40	4		
16	4.6S	45	8		
20	12.9 CSK	45	12		
20	8.8S	40	4		
20	8.8S	50	67		
20	8.8S	55	44		
20	8.8S	60	26		
20	8.8S	65	8		
24	8.8S	55	2		
Bolt Dia	Profile	Name	Length(mm)	Qty	Finish
20	D20	ANCHOR ROD	573	8	GALV
20	D20	HD BOLT	573	16	GALV
20	M20_NUT	NUT	20	48	

# Erection Bolt List



<b>Project Number:</b>	<b>Proj No.</b>
<b>Project</b>	<b>Project Name</b>
<b>Date</b>	<b>07.12.2022</b>

Assembly Mk	Description	Grade	Qty	Connected assemblies	Location
HB00001			1 (Per Model)		
Site	M20 x 65	8.8S	2 (Per Assembly)	R00001	Grid: A-C/1-2
Site	M20 x 65	8.8S	2 (Per Assembly)	R00003	Grid: A-C/1-2
HB00003			1 (Per Model)		
Site	M20 x 55	8.8S	4 (Per Assembly)	C00003	Grid: A-C/1
Site	M20 x 55	8.8S	4 (Per Assembly)	C00001	Grid: A-C/1
PU00001			4 (Per Model)		
Site	M12 x 30	PB1230	2 (Per Assembly)	R00002	Grid: A-C/1-2
Site	M12 x 30	PB1230	2 (Per Assembly)		Grid: A-C/1-2
Site	M12 x 30	PB1230	2 (Per Assembly)	R00001	Grid: A-C/1-2
Site	M12 x 30	PB1230	2 (Per Assembly)	R00003	Grid: A-C/1-2
R00001			1 (Per Model)		
Site	M20 x 50	8.8S	6 (Per Assembly)	C00002	Grid: A/1-2
Site	M20 x 60	8.8S	6 (Per Assembly)	C00001	Grid: A/1-2
VB00001			1 (Per Model)		
Site	M20 x 60	8.8S	2 (Per Assembly)	C00001	Grid: A/1-2
Site	M20 x 60	8.8S	2 (Per Assembly)	C00002	Grid: A/1-2
VB00002			1 (Per Model)		
Site	M20 x 60	8.8S	2 (Per Assembly)	C00001	Grid: A/1-2
Site	M20 x 60	8.8S	2 (Per Assembly)	R00001	Grid: A/1-2
VB00003			1 (Per Model)		
Site	M20 x 55	8.8S	4 (Per Assembly)	C00001	Grid: A-C/1
Site	M20 x 55	8.8S	4 (Per Assembly)	C00003	Grid: A-C/1

# Drawing List



Project Number:	Proj No.
Project	Project Name
Date	07.12.2022

Dwg No.	Rev	Dwg Title	Dwg Size(H*b)
<b>MARKING PLANS</b>			
MP1	A	3D VIEW	841*594
MP2	A	HD BOLT PLAN	841*594
MP3	A	ROOF MARKING PLAN	841*594
MP4	A	PURLIN MARKING PLAN	841*594
MP5	A	MARKING PLAN	841*594
MP6	A	ELEVATIONS	841*594
MP7	A	GIRT ELEVATIONS	841*594
<b>ASSEMBLY DRAWINGS</b>			
B00004		BEAM	841*594
B00004	0	BEAM	841*594
B00005	0	BEAM	594*420
B00006	0	BEAM	594*420
B00007	0	BEAM	841*594
B00013		BEAM	841*594
C00001	0	COLUMN	841*594
C00002	0	COLUMN	594*420
C00003	0	COLUMN	594*420
C00004	0	COLUMN	594*420
C00005	0	COLUMN	594*420
C00006	0	COLUMN	594*420
FR00001	0	FRAME	594*420
GR00001	0	GRATING	594*420
PU00001	0	PURLIN	420*297
ST00001	0	STAIR	594*420
ST00002	0	STAIR	594*420
<b>SINGLE PART DRAWINGS</b>			
f00013	0	SHAFT	420*297
f00014	0	SHAFT	420*297
f00015	0	SHAFT	420*297
f00016	0	SHAFT	420*297
f00017	0	SHAFT	420*297
f00034	0	SHAFT	420*297
f00035	0	SHAFT	420*297
f00036	0	PLATE	420*297
f00037	0	PLATE	420*297
f00038	0	PLATE	420*297
f00039	0	PLATE	420*297