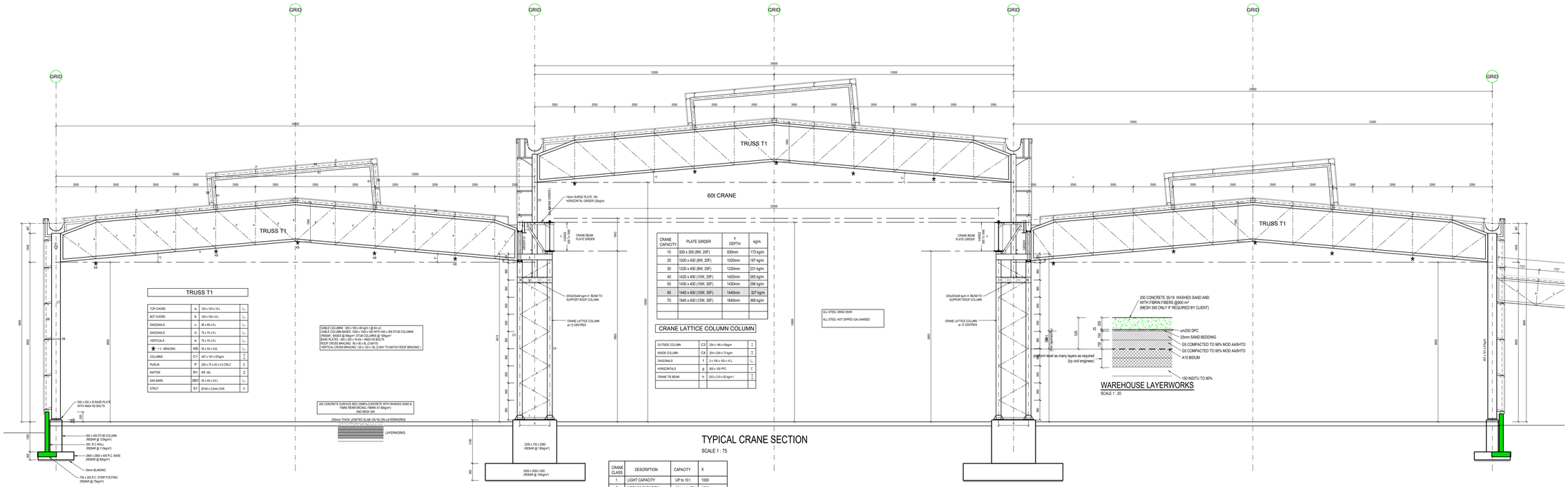
EAST LONDON IDZ : HE1



CRANE CAPACITY	PLATE GIRDER	Y DEPTH	kg/m
10	930 x 300 (BW, 20F)	930mm	173 kg/m
20	1020 x 400 (BW, 20F)	1020mm	187 kg/m
30	1230 x 400 (BW, 25F)	1230mm	231 kg/m
40	1420 x 400 (10W, 25F)	1420mm	265 kg/m
50	1430 x 400 (10W, 30F)	1430mm	296 kg/m
60	1440 x 400 (10W, 35F)	1440mm	327 kg/m
70	1640 x 400 (12W, 35F)	1640mm	368 kg/m

CRANE LATTICE COLUMN COLUMN

OUTSIDE COLUMN	C3	254 x 146 x 43kg/m	I
INSIDE COLUMN	C4	254 x 254 x 73 kg/m	H
DIAGONALS	f	2 x 100 x 100 x 10 L	L
HORIZONTALS	g	300 x 150 PFC	C
CRANE TIE BEAM	h	533 x 210 x 92 kg/m I	I

TYPICAL CRANE SECTION
SCALE 1 : 75

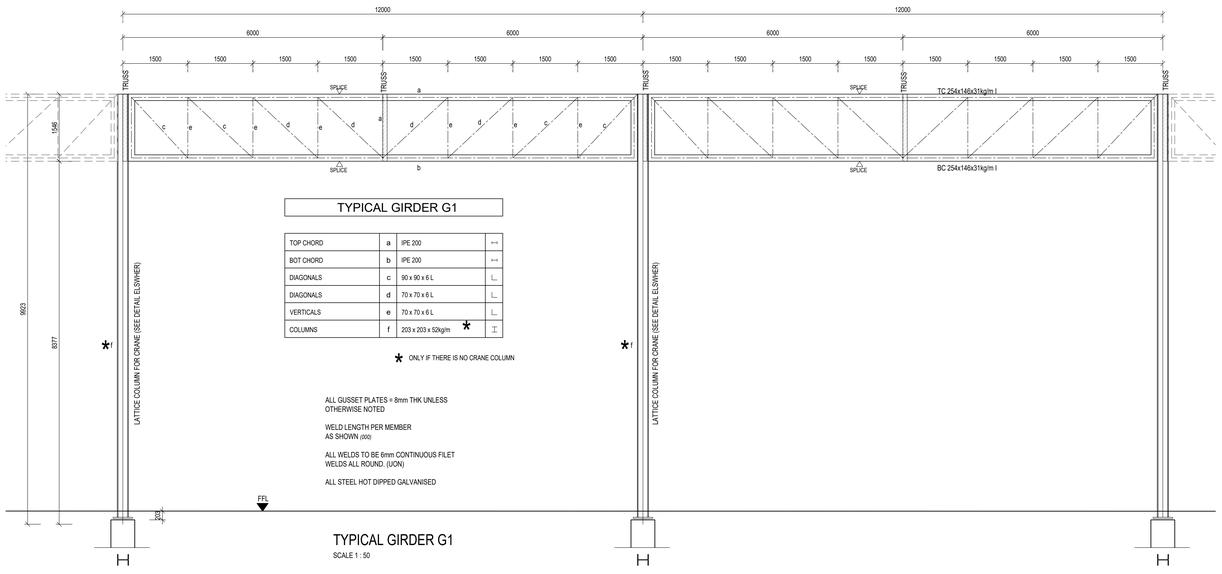
CRANE CLASS	DESCRIPTION	CAPACITY	X
1	LIGHT CAPACITY	UP to 10 t	1000
2	MEDIUM CAPACITY	10 t up to 25 t	1200
3	HEAVY CAPACITY	25 t up to 75 t	1500
4	EXTRA HEAVY CAPACITY	OVER 75 t	1700

TRUSS T1

TOP CHORD	a	120 x 120 x 10 L	L
BOT CHORD	b	100 x 100 x 8 L	L
DIAGONALS	c	90 x 90 x 8 L	L
DIAGONALS	d	70 x 70 x 8 L	L
VERTICALS	e	70 x 70 x 8 L	L
★ = BRACING	KB	50 x 50 x 5 EL	L
COLUMNS	C1	457 x 191 x 67kg/m	I
PURLIN	P	200 x 75 x 20 x 2.0 CRLC	C
RAFTER	R1	IPE 160	I
SAG BARS	SB1	50 x 50 x 3.0 L	L
STRUT	S1	Ø140 x 3.0mm CHS	O

WAREHOUSE LAYERWORKS
SCALE 1 : 20

TYPICAL COLUMN KNEE BRACING DETAIL
SCALE 1 : 20



TYPICAL GIRDER G1

TOP CHORD	a	IPE 200	⊢⊣
BOT CHORD	b	IPE 200	⊢⊣
DIAGONALS	c	90 x 90 x 6 L	L
DIAGONALS	d	70 x 70 x 6 L	L
VERTICALS	e	70 x 70 x 6 L	L
COLUMNS	f	203 x 203 x 52kg/m ★	I

★ ONLY IF THERE IS NO CRANE COLUMN

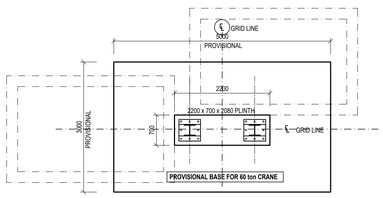
ALL GUSSET PLATES = 8mm THK UNLESS OTHERWISE NOTED

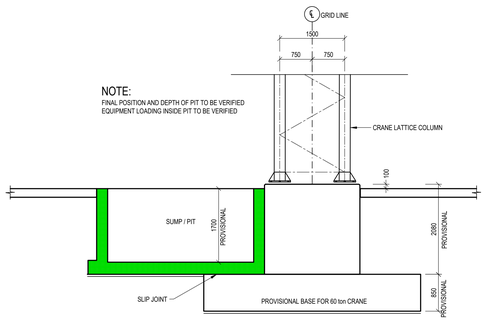
WELD LENGTH PER MEMBER AS SHOWN (000)

ALL WELDS TO BE 6mm CONTINUOUS FILET WELDS ALL ROUND, (UON)

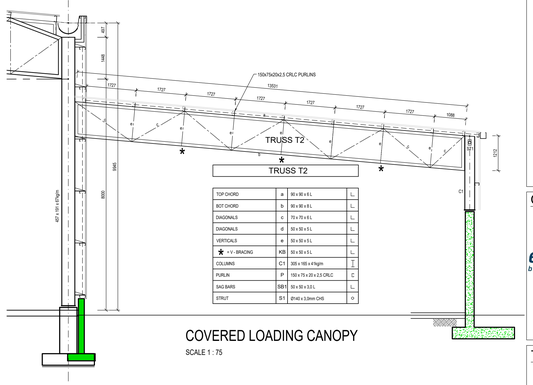
ALL STEEL HOT DIPPED GALVANISED

TYPICAL GIRDER G1
SCALE 1 : 50





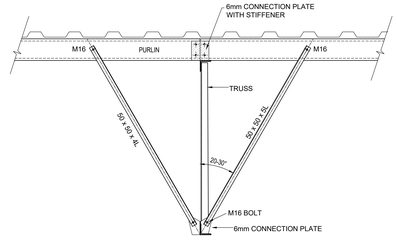
CRANE TYPICAL FOUNDATION BASE (60 ton CRANE)
SCALE 1 : 50



TRUSS T2

TOP CHORD	a	90 x 90 x 6 L	L
BOT CHORD	b	90 x 90 x 8 L	L
DIAGONALS	c	70 x 70 x 6 L	L
DIAGONALS	d	50 x 50 x 5 L	L
VERTICALS	e	50 x 50 x 5 L	L
★ = BRACING	KB	50 x 50 x 5 L	L
COLUMNS	C1	305 x 165 x 47kg/m	I
PURLIN	P	150 x 75 x 20 x 2.0 CRLC	C
SAG BARS	SB1	50 x 50 x 3.0 L	L
STRUT	S1	Ø140 x 3.0mm CHS	O

COVERED LOADING CANOPY
SCALE 1 : 75



TYP TRUSS KNEE BRACING DETAIL
SCALE 1 : 20

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8. ONLY FIGURED DIMENSIONS TO BE FOLLOWED - SCALED DIMENSIONS OF DRAWINGS WILL NOT BE PERMITTED

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DESIGNATION: _____ DATE : _____

Project

Drawing Title
TYPICAL SECTION WITH CRANE ASSEMBLY

Date	Drawn	Author
01.05.2019		
Scale: AS SHOWN	Checked	Checker

Approved

Name: Approver Reg No: PrArch5559

Signature: Date:

Practice: Osmond Lange Architects and Planners

Workstage
FOR INFORMATION

Drawing Number
33722- HE1 -STR-1

Revision