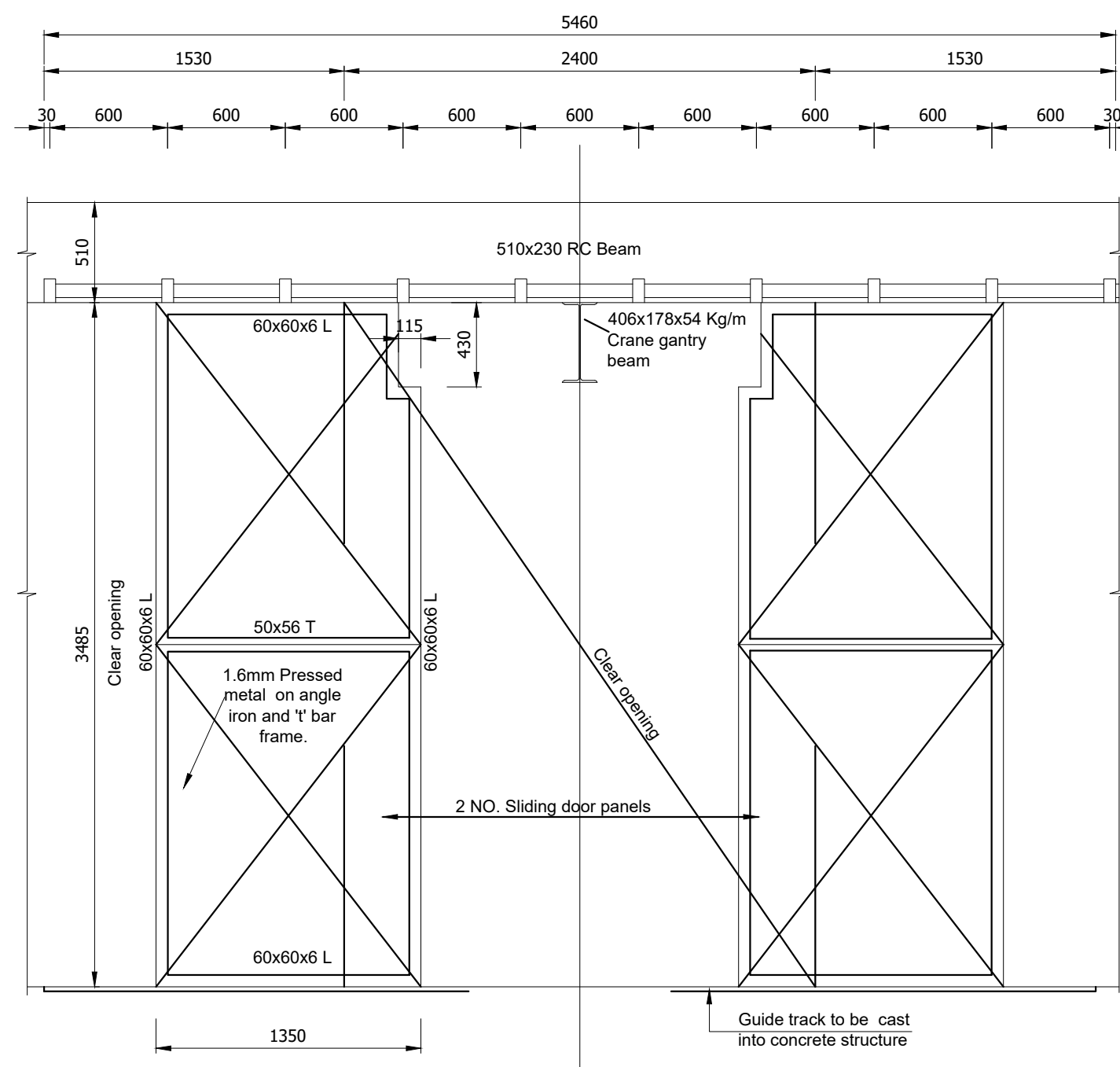


- NOTES**
- All steelwork to handrails to be primed and painted to specification
 - Gates and catladder to be incorporated in handrails
 - All handrails to be approved by engineer prior to fabrication.
- TYPICAL HANDRAIL DETAILS**
SCALE 1:25
- Note: Mountable Section at sliding door

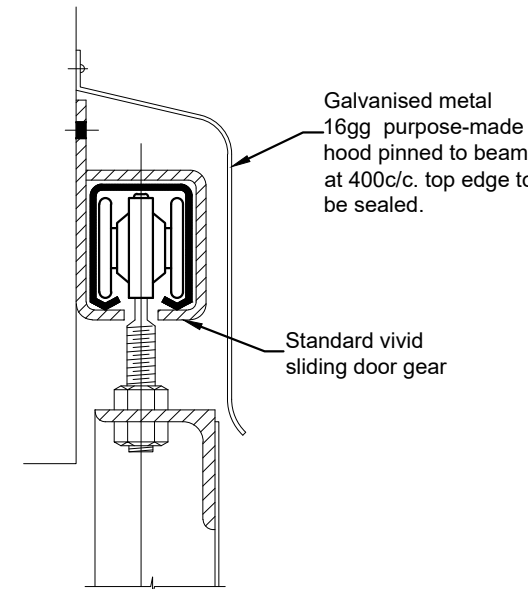
Pipework by a mechanical pump contrator all flanges drilled to bs 4504 table 16/3

ITEM No.	DESCRIPTION	No. REQ
1	300mmØ Double flanged elbow	10
2	300 NB Double flanged pipe 2610 long 522	3
3	300 NB Double flanged pipe 885 long with puddle flange 453 from one end	3
4	300mm Non return valve	3
5	300mmØ Gate valve	7
6	300 NB Double flanged pipe 791 long	3
7	300 NB Double flanged pipe 365 long	2
8	300 NB Double flanged swept tee pipe	3
9	Reducer 300Ø-250Ø	6
10	300Ø Bellmouth	3
11	300 NB Double flanged pipe 1572 long	1
12	300 NB Viking coupling	2
13	Not used	
14	300 NB Double flanged pipe 1725 long	1
15	300 NB Flanged- spigot pipe 600 long with puddle flange 290 from flanged end	2

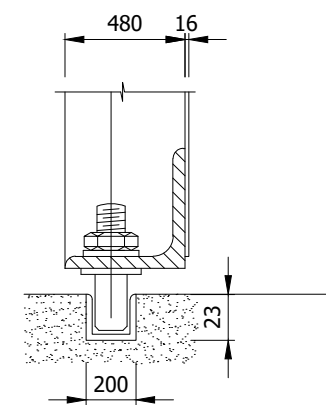


SLIDING DOOR DETAIL (2 NO. OFF - 2 PANEL DOOR)
SCALE 1:25

- NOTES:**
- Sliding doors to be fitted with barrel bolts and hasp according to specification.
 - Allowance to be made during fabrication to ensure adequate clearance of 406x178x54 kg/m crawl beam when door is in closed position.



DETAIL THROUGH TOP OF DOOR
SCALE 1:50



DETAIL THROUGH BASE OF DOOR
NTS

NOTES

GENERAL

- All construction and erection done on site should conform to the laid standards of construction
- The Engineer and /or Client reserves the right to instruct the contractor to correct defective work(s).
- This drawing is to be read in conjunction with all reference drawings

STRUCTURAL STEELWORK

- All structural steelwork to be steel grade 43.
- All bolt holes to be 2mm oversize.

BRICKWORK

- Brickwork at end of crawl beam to be completed after installation of trolley.
- All steelwork in contact with masonry to be coated with bitumen to prevent bonding.

REFERENCE DRAWINGS

No.	Drw No.	Title
1	S.G/A1040/C/S/D001	SEWERAGE RETICULATION
2	S.G/A1040/C/SP/D001	SEWAGE PUMPING STATION LAYOUT PLANS & ROOF PLAN
3	S.G/A1040/C/SP/D002	SEWAGE PUMPING STATION ELEVATIONS & SECTION
4	S.G/A1040/C/SP/D003	SEWAGE PUMPING STATION SECTIONS
5	S.G/A1040/C/SP/D005	SEWAGE PUMPING STATION ACCESS LADDER

KEY

DATE	DRWN	REV BY	CHKD	APPD	ISSUE	COMMENT
NOV 2018	S.M	F.M	G.K	S.M	S.M	DETAILED DESIGN

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PROJECT TITLE

DESIGN OF CIVIL INFRASTRUCTURE FOR STRATHMORE HOUSING DEVELOPMENT

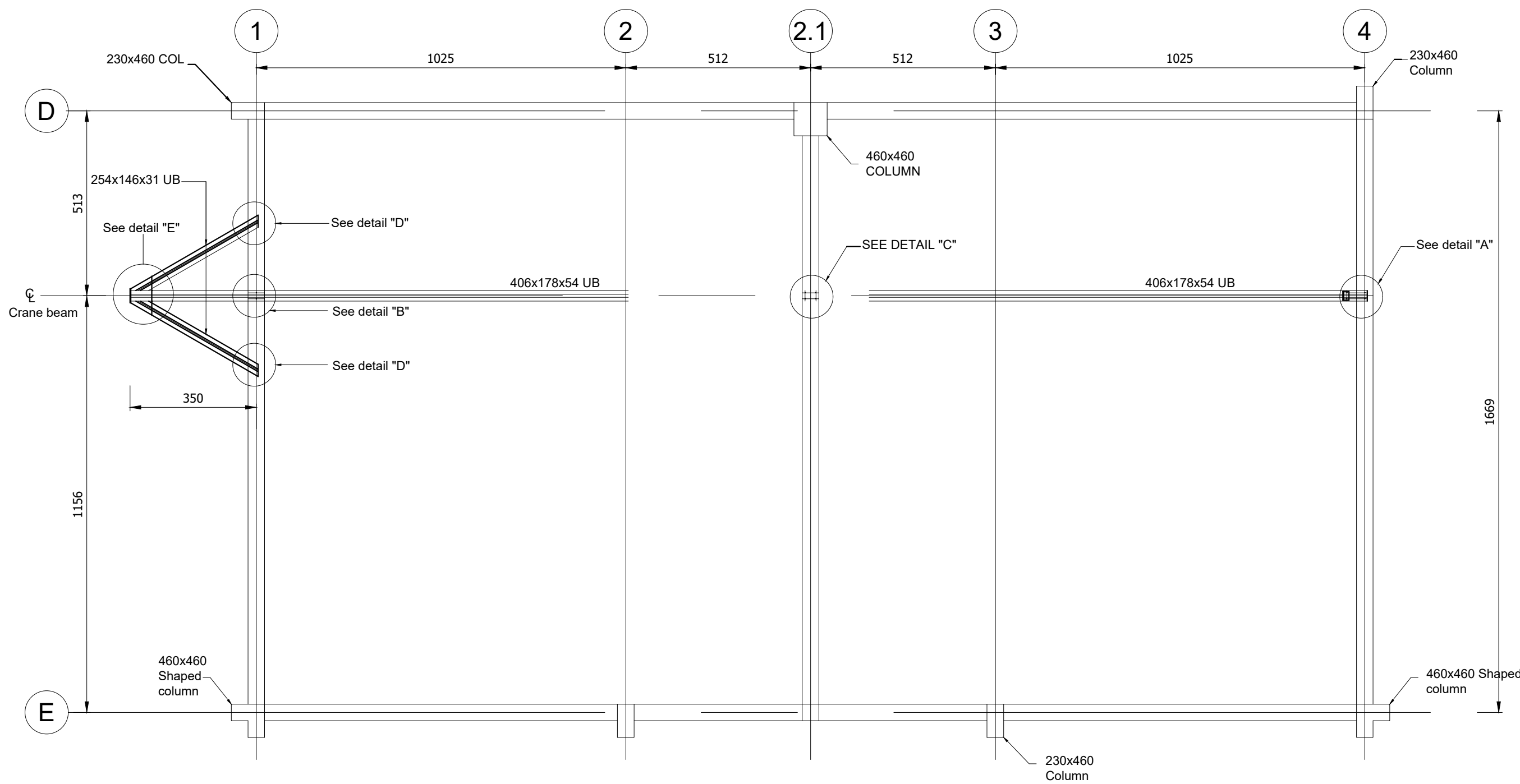
DRAWING TITLE

SEWAGE PUMPING STATION STEELWORK & PIPEWORK

CLIENT

homelink (PVT) LTD
Hardwicke House, 72-74
Samora Machel Ave, P.O.
Box 628, Causeway,
HARARE, ZIMBABWE

SCALE	MASTER SIZE
NTS	A0
CLIENT DRAWING No.	REV
S.G/A1040/C/SP/D004	A1



CRANE BEAM ARRANGEMENT
SCALE 1:50

