

Midland Goods Shed

Heritage Consent Report for Condition 2c

0613(RP)018

March 2015

Document Control

Document Title

0613(RP)018 Heritage Consent Report

Contributions

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Company

Bennetts Associates Architects

Location

London

Revision

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Date

9th March 2015

Details

First Issue for Approval

Authorisation

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**Condition 2c):** Provide plan, elevation and section drawings of typical details of the proposed lift and staircase in the Midland Goods Shed Office at a scale of 1:10 with typical fixing details to the brickwork at a scale of 1:1.



Design Approach

The design for the MGSO reception allows the user to enjoy the layers of history apparent in the exposed brickwork whilst travelling to the 1st floor office demise. Structural requirements necessitate a steel frame to support the existing walls. The stair design is kept as simple and minimal as possible to avoid distraction from the brickwork. A glazed lift in the corner allows users to view the interior of the space whilst ascending or descending.

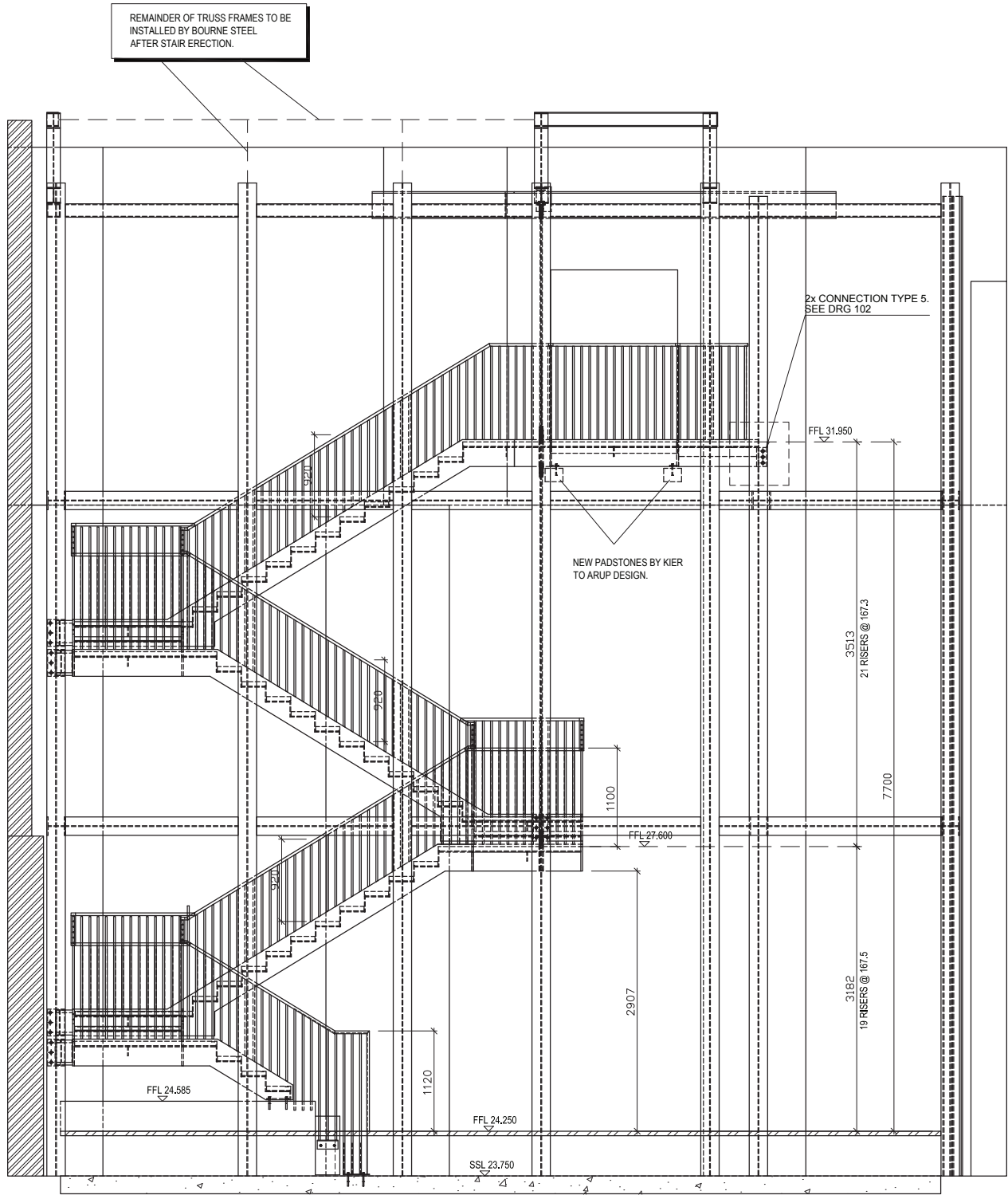
Sub-contractor details are provided on the following pages.



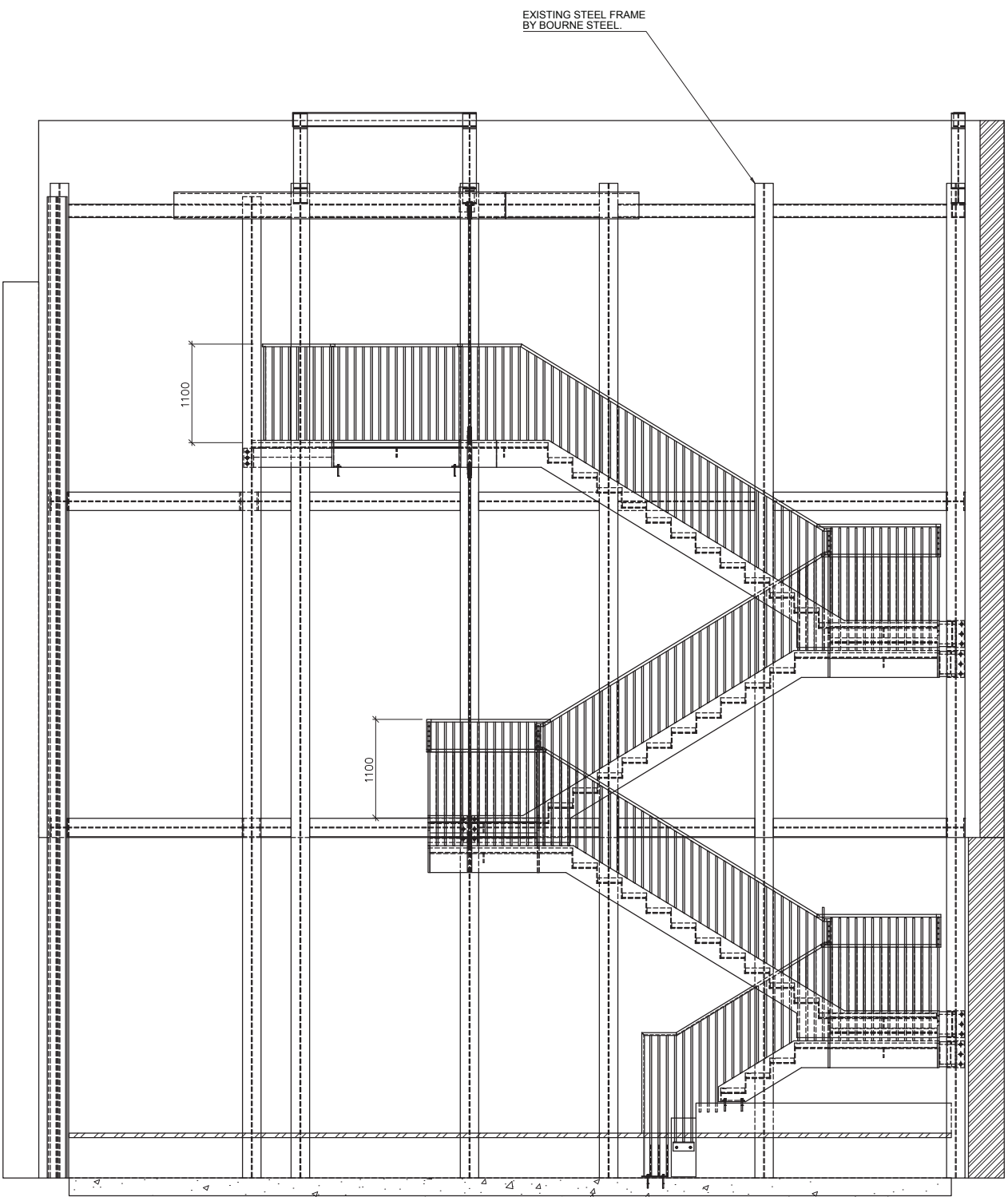
## MGSO Reception Stair Details



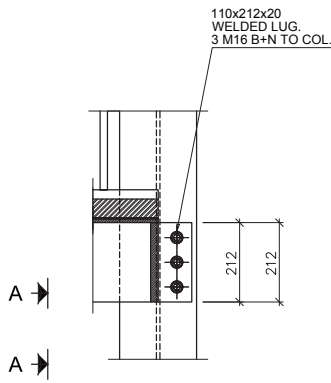




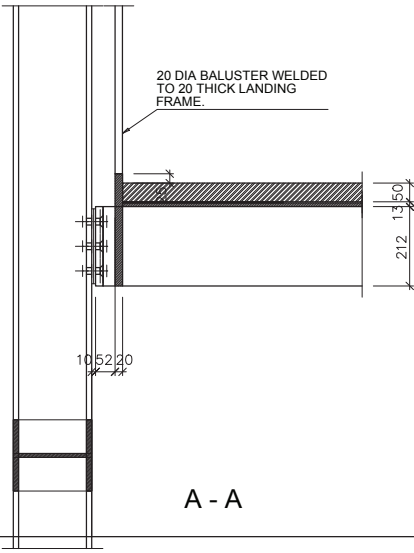
SECTION AA



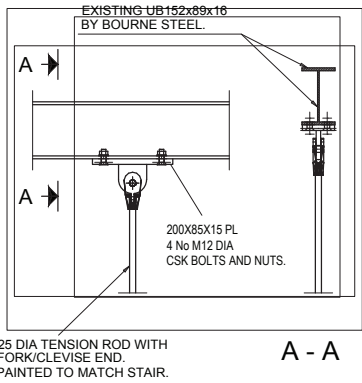
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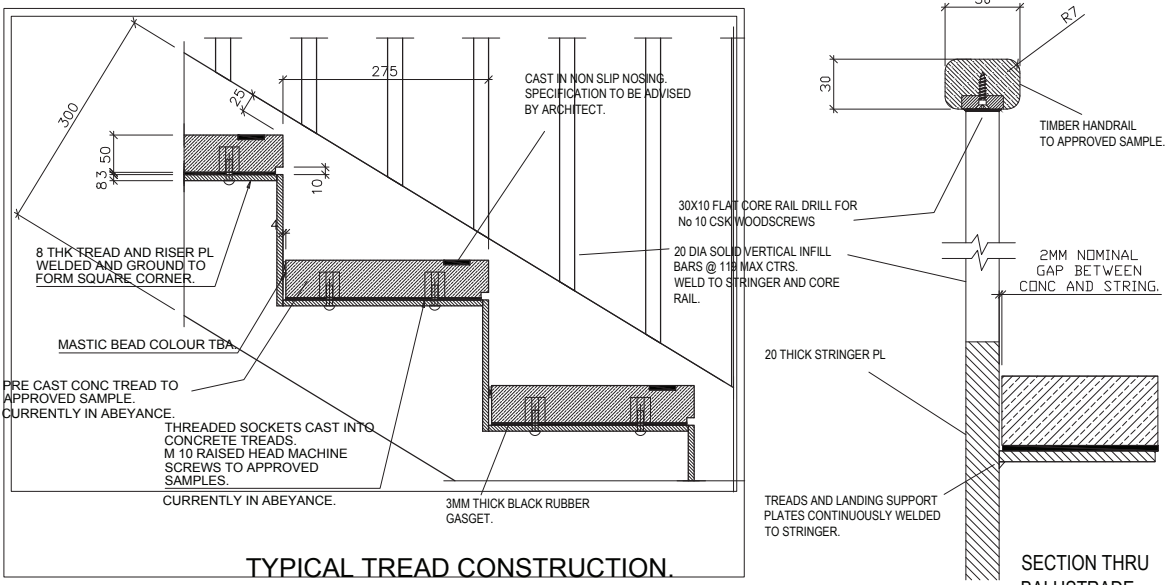
CONNECTION TYPE 5.



A - A

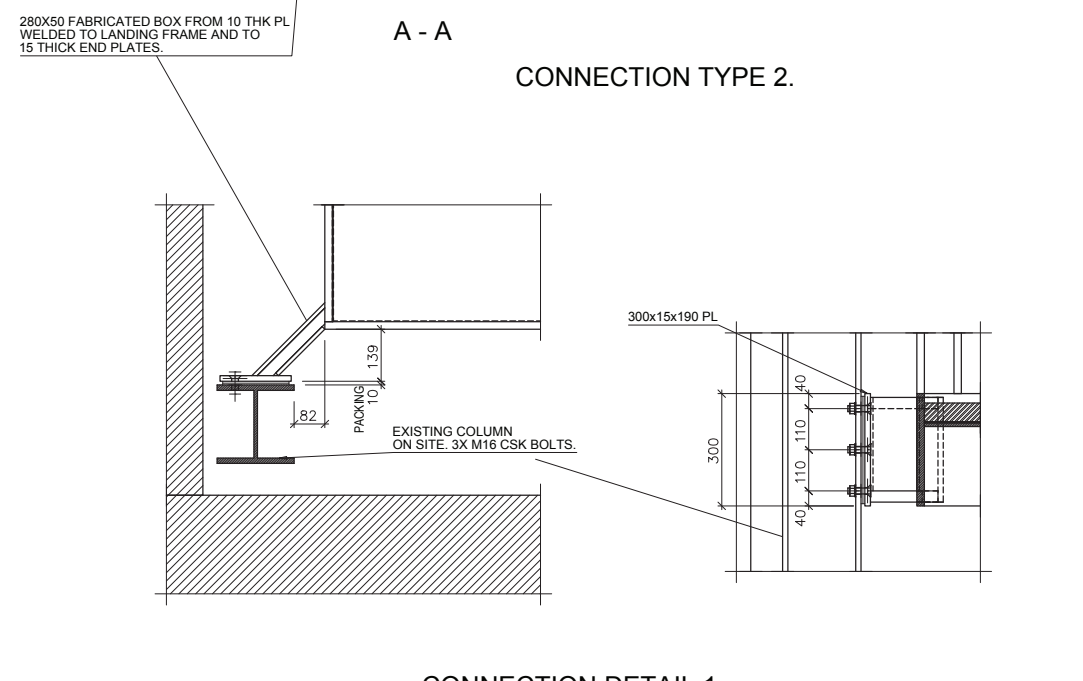
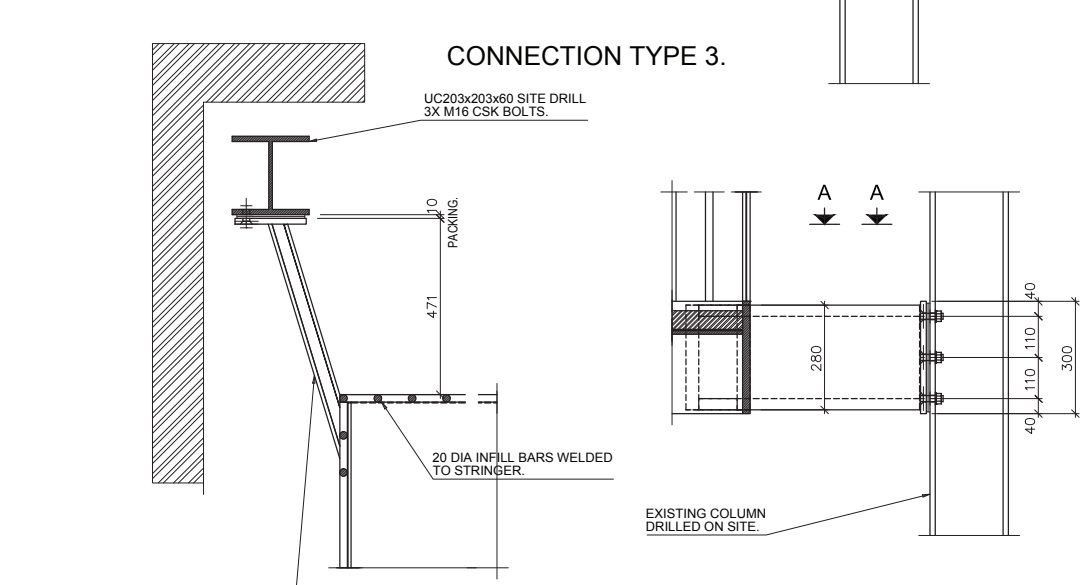
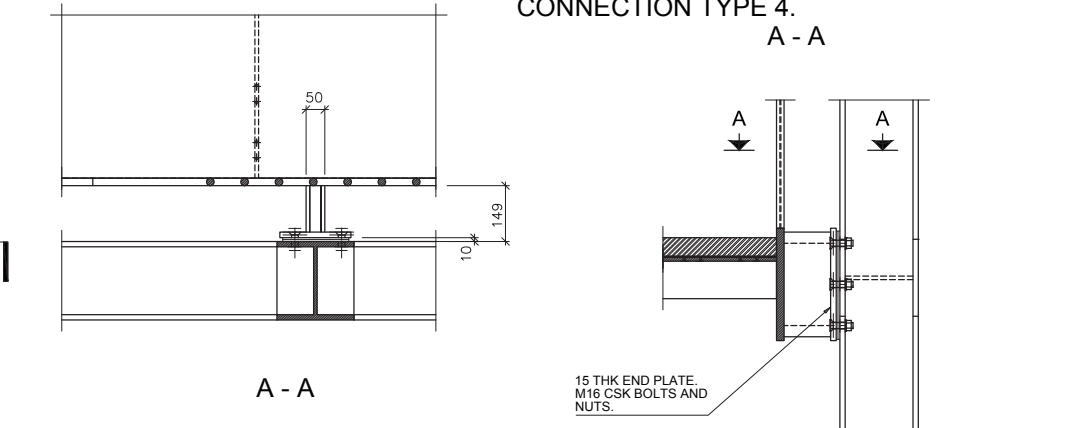
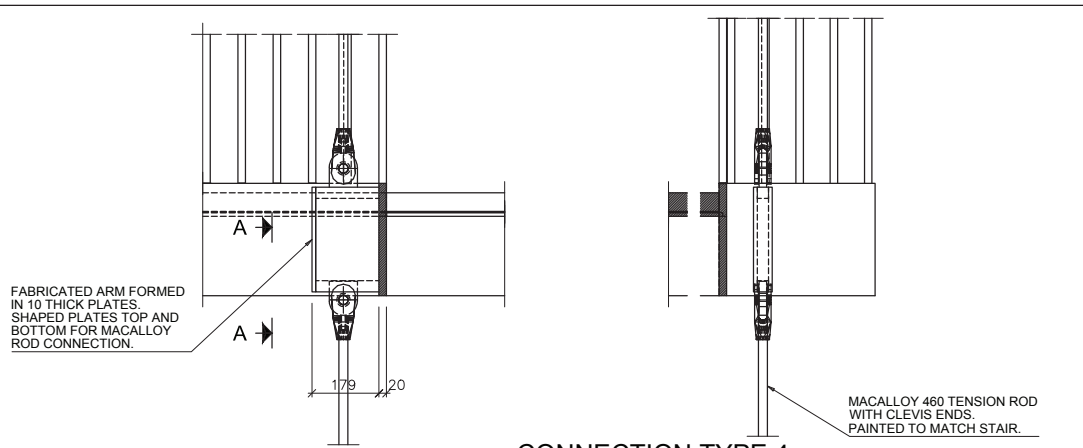
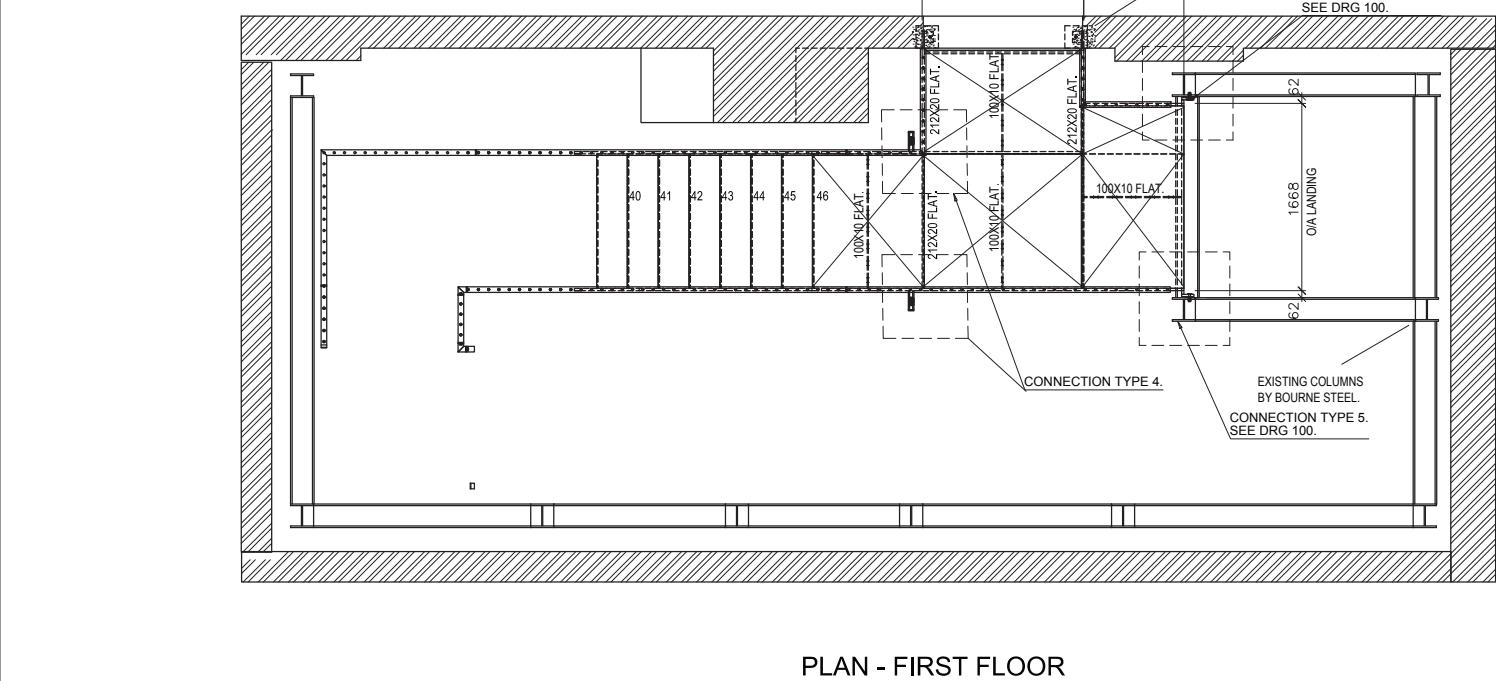
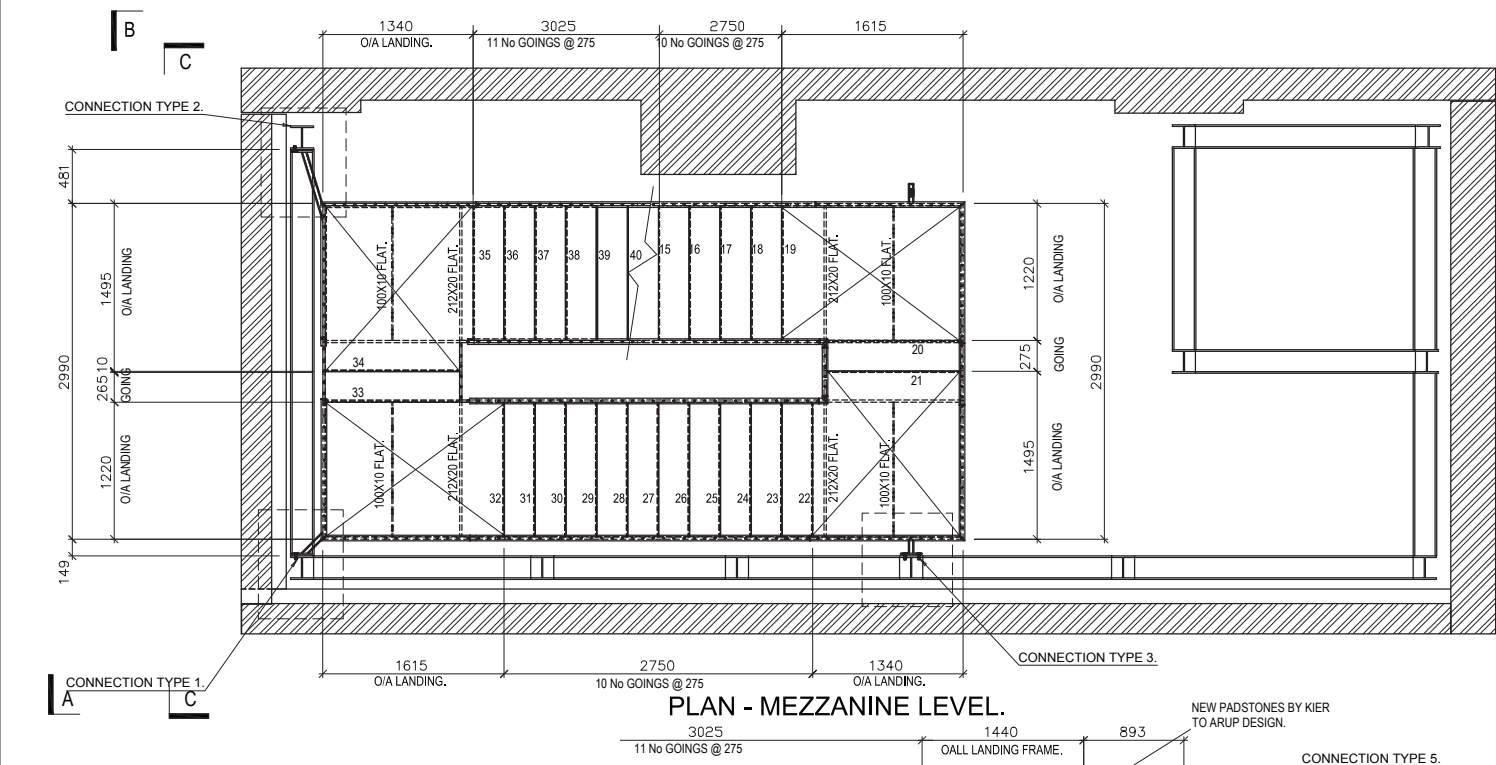
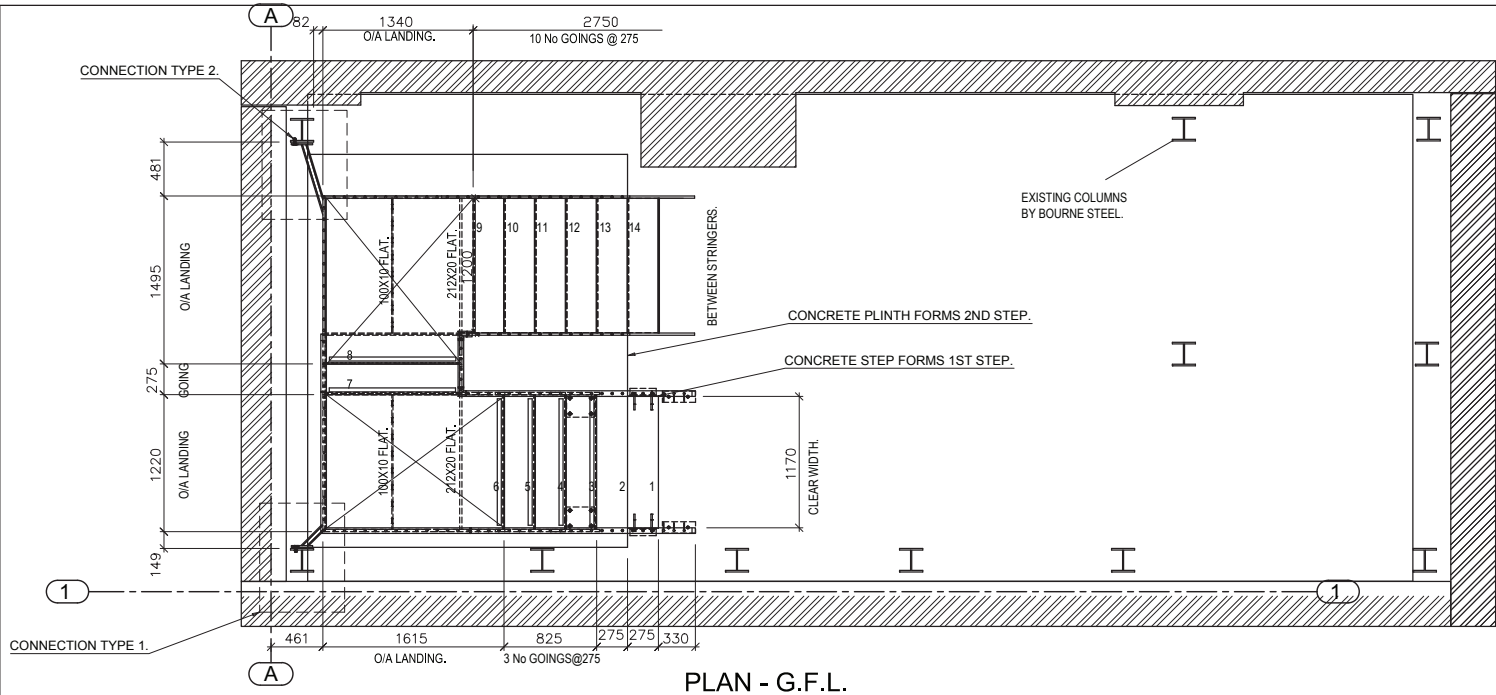


CONNECTION DETAIL 8.



TYPICAL TREAD CONSTRUCTION.

Finishes			
TO APPROVED SAMPLE.			
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READ IN CONJUNCTION WITH DRG 101			
P03	04/02/2015	BALUSTRADE AMENDED TO ARCHITECTS COMMENTS.	NEP
P02	19/01/2015	DESIGN TEAM COMMENTS.	NEP
P01	17/12/2014	ISSUED FOR APPROVAL.	NEP
Index	Date	Description	Author
REVISIONS			
<div><div>LITTLEHAMPTON WELDING LTD</div><div>ARCHITECTURAL &amp; STRUCTURAL METALWORK</div><div>Riverside Industrial Estate</div><div>Littlehampton, West Sussex, BN17 5DF</div><div>T 01903 721555 E lhw@lhwelding.co.uk</div><div>F 01903 726805 littlehamptonwelding.co.uk</div></div>			
CLIENT			
KIER LTD			
PROJECT			
MIDLAND GOODS SHED			
DRAWING TITLE			
RECEPTION STAIR. SECTIONS AND DETAILS			
DRAWN BY	EXE. CLASS	DATE	SCALE
NEP	2	04/02/2015	As Noted
PROJECT No.	DRAWING No.	REV	
5839	[G] - 100	P03	



## Finishes

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4. Drawing to be read in conjunction with structural calculations
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All hollow sections to be S355-J2H (210 Hot)  
All RSA up to & including 200 legs to be grade S275-JR  
All RSA over 200 legs to be grade S355-JR  
All plates to be grade S275-JR U.N.O

P04	04/02/2015	BALUSTRADE AND STRINGER BASE AMENDED ARCHITECTS COMMENTS.	NEP
P03	27/01/2015	ARCHITECTS COMMENTS.	NEP
P02	19/01/2015	DESIGN TEAM COMMENTS.	NEP
P01	17/12/2014	ISSUED FOR APPROVAL	NEP
Index	Date	Description	Author

## REVISIONS

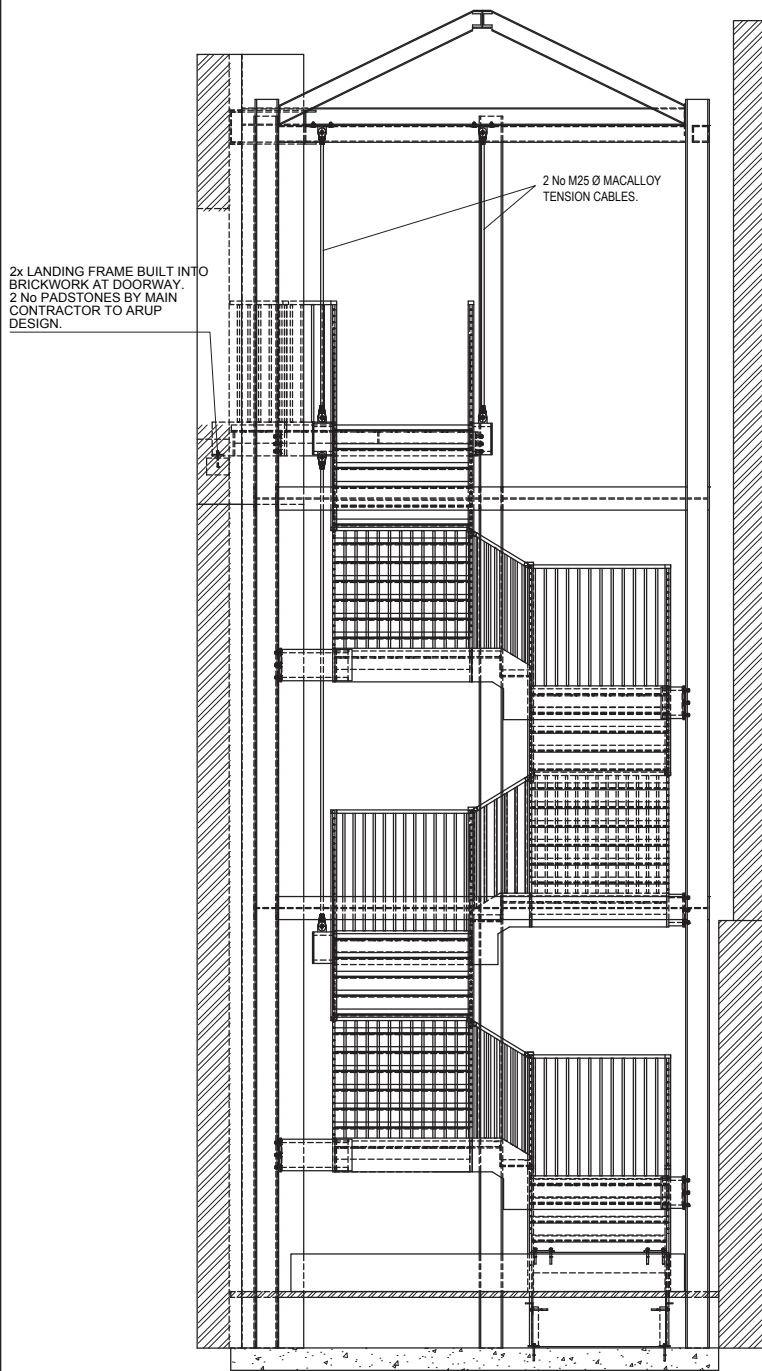
**LITTLEHAMPTON WELDING LTD**  
ARCHITECTURAL & STRUCTURAL METALWORK

Riverside Industrial Estate  
Littlehampton, West Sussex, BN17 5DF

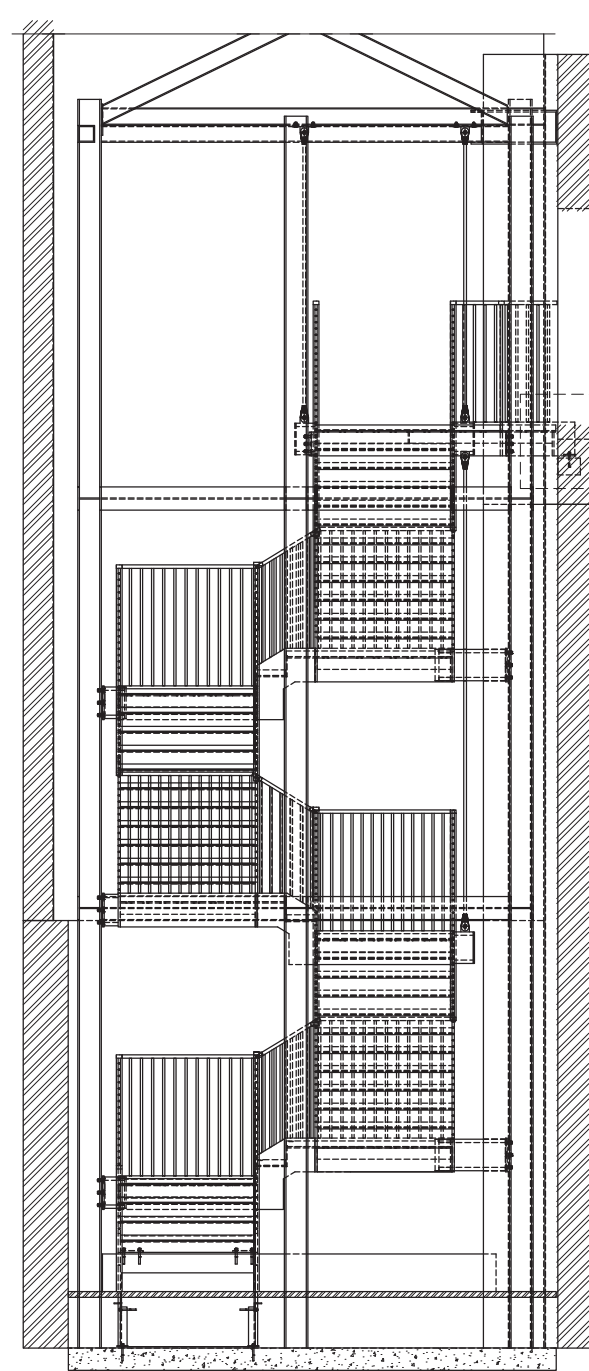
T 01903 721555 E lhw@lhwelding.co.uk  
F 01903 726805 littlehamptonwelding.co.uk

CLIENT			
KIER LTD			
PROJECT			
MIDLAND GOODS SHED			
DRAWING TITLE			
RECEPTION STAIR. PLANS AND DETAILS			
DRAWN BY	EXE. CLASS	DATE	SCALE
NEP	2	27/01/2015	As Noted
PROJECT No.	DRAWING No.		REV
5839	[G] - 101		P04

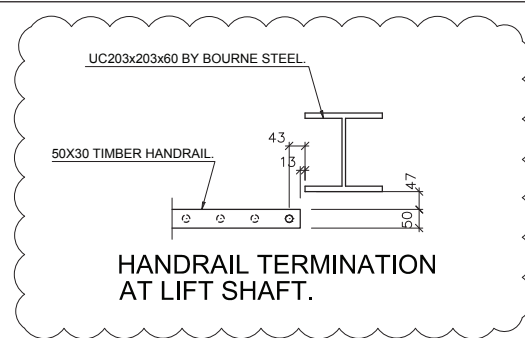




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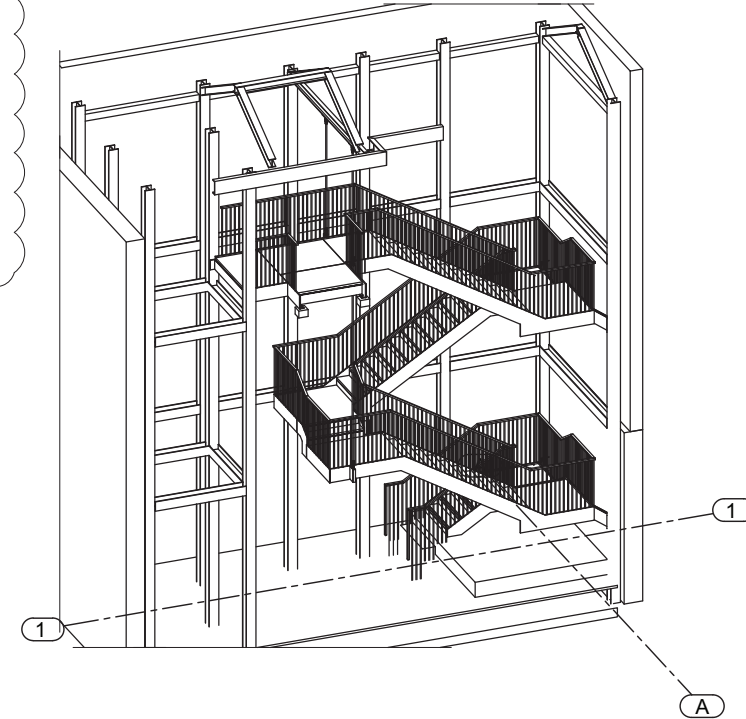


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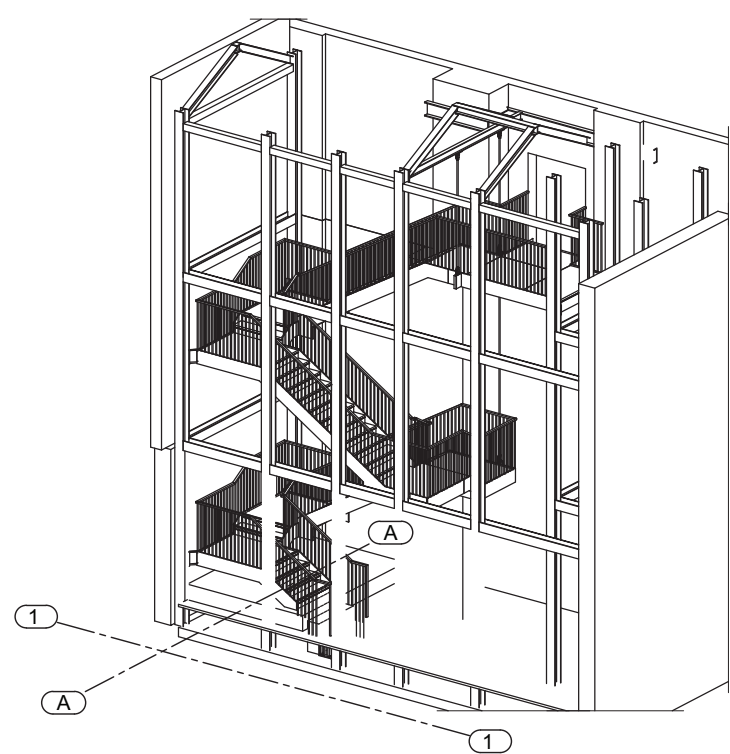


HANDRAIL TERMINATION AT LIFT SHAFT.

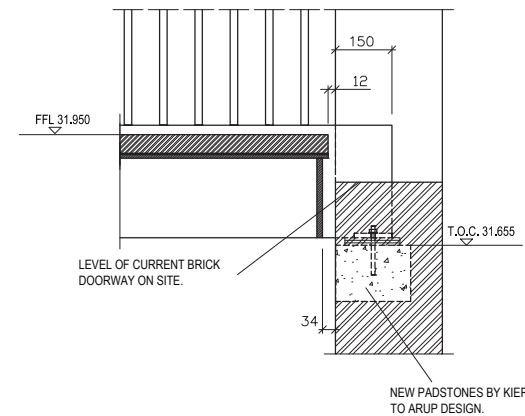
STEEL FRAMED ROOF STRUCTURE DESIGNED BY PROJECT ENGINEER TO SUPPORT LOAD TRANSFER FROM TENSION RODS SUPPORTING STAIRCASE.



3D VIEW

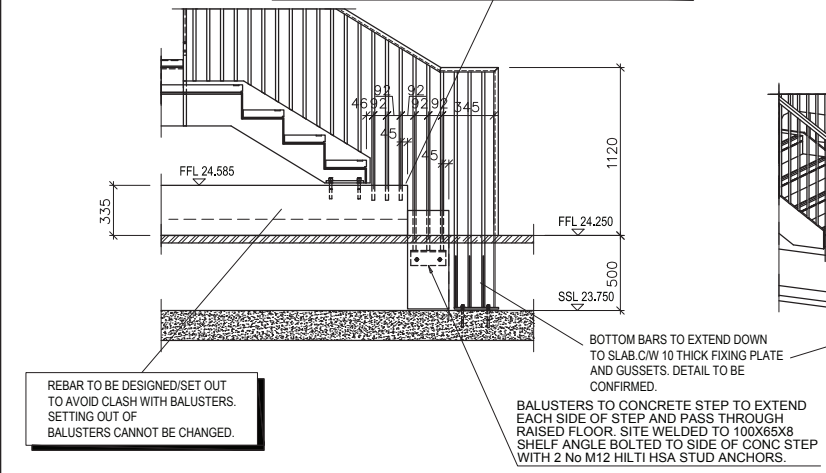


3D VIEW

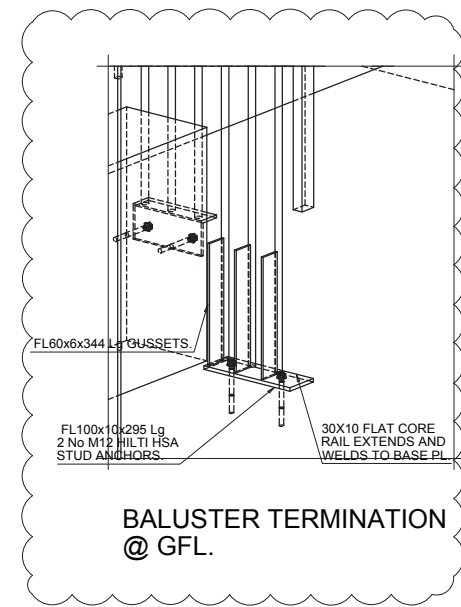


LANDING CONNECTION @ 31.950

20 DIA INFILL BAR CENTRES AS PER ARCHITECTS SETTING OUT. ANY POTENTIAL CLASH WITH REBAR TO BE AVOIDED VIA COMMUNICATION BETWEEN ARCHITECT AND ARUPS. HOLES FOR BALUSTERS WILL BE CORE DRILLED HOWEVER WITH THE CLOSE EDGE DISTANCES GIVEN NO RESPONSIBILITY WILL BE ACCEPTED BY LWL FOR BREAKING OUT OF CONCRETE OR SUBSEQUENT REPAIRS.



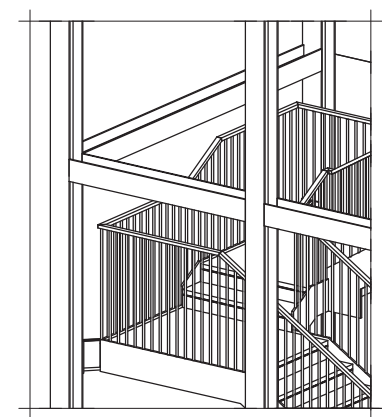
BALUSTRADE TERMINATION @ GFL



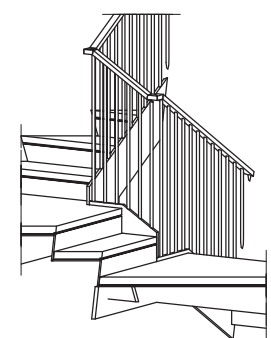
BALUSTER TERMINATION @ GFL.



3D VIEW @ 31.950



3D VIEW ON TYPICAL LANDING.



3D VIEW ON TYPICAL WELL BALUSTRADE

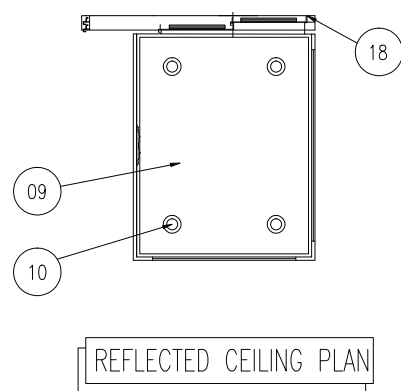
Finishes			
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READ IN CONJUNCTION WITH DRG 101			
Index	Date	Description	Author
P03	04/02/2015	BALUSTRADE SETTING OUT AMENDED TO ARCHITECTS COMMENTS. TERMINATION DETAIL ADDED.	NEP
P02	19/01/2015	DESIGN TEAM COMMENTS.	NEP
P01	17/12/2014	ISSUED FOR APPROVAL	NEP
REVISIONS			
LITTLEHAMPTON WELDING LTD ARCHITECTURAL & STRUCTURAL METALWORK			
Riverside Industrial Estate Littlehampton, West Sussex, BN17 5DF			
T 01903 721555 E lhw@lhwelding.co.uk F 01903 726805			
CLIENT KIER LTD			
PROJECT MIDLAND GOODS SHED			
DRAWING TITLE RECEPTION STAIR SECTIONS.			
DRAWN BY NEP	EXE. CLASS 2	DATE 04/02/2015	SCALE As Noted
PROJECT No. 5839	DRAWING No. [G] - 102	REV P03	



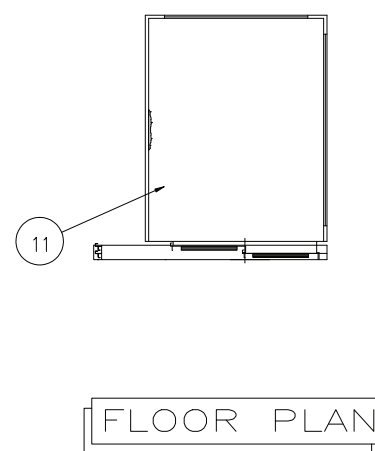
## MGSO Reception Lift Details







VIEW ON ARROW 'D'  
(SIDE WALL WITH C.O.P.)



LIFT CAPACITY			SPEED	
	8 PERSON 630kg		1.00 m/sec	
REV.	DESCRIPTION.		INIT	DATE.

THE INFORMATION SET OUT BELOW GIVES GENERAL DETAILS OF BUILDERS WORK REQUIRED, HOWEVER ALL WORKS MUST BE IN ACCORDANCE WITH BRITISH STANDARDS, EC STANDARDS, HEALTH & SAFETY AT WORK ACT & ALL OTHER RELEVANT REGULATIONS & BYE LAWS. ORONA DO NOT ACCEPT ANY RESPONSIBILITY FOR THE FAILURE OF THE BUILDINGS STRUCTURE TO WITHSTAND THE LOADS IMPOSED BY THE LIFT INSTALLATION. MAXIMUM LOAD OF ANY LIFT PART DOES NOT EXCEED 706 KG. DURING THE LIFT INSTALLATION THE LIFTING BEAM WILL BE USED TO INSTALL ANY LARGE/HEAVY ITEMS.

EC LIFT DIRECTIVE 1997.  
THE FOLLOWING SUMMARY OF ITEMS REQUIRE PARTICULAR ATTENTION IN ACCORDANCE  
WITH THE LIFT REGULATIONS 1997. FAILURE TO COMPLY WITH THE FOLLOWING WILL  
RESULT IN THE INSTALLATION NOT BEING COMMISSIONED.

1. WITHIN THE MACHINE AREA & LIFT WELL, THERE SHALL NOT BE ANY ELECTRICAL DUCTWORK, ELECTRICAL WIRING, WATER PIPES OR ANY OTHER ITEMS, OTHER THAN THOSE NECESSARY FOR THE OPERATION AND SAFETY OF THE LIFT.
2. PROVIDE PERMANENT TWO WAY VOICE COMMUNICATION FROM LIFT CAR TO RESCUE SERVICE. THE SUPPLY FOR THIS DEVICE MUST NOT BE MAINS DEPENDENT. THE BT SOCKET DETAILED WITHIN THE DRAWING MUST ALLOW BOTH OUTGOING & INCOMING CALLS TO ALLOW COMPLIANCE WITH BS EN 81-28.
- FURTHER INFORMATION IS SET OUT BELOW & WITHIN THE NOTES OF THIS DRAWING.

## LIFT PIT.

1. PIT FLOOR TO WITHSTAND THE LOADINGS STATED & LEVEL MAINTAINED  $\pm 5$ mm. THE PIT MUST BE FULLY & PERMANENTLY WATERTIGHT, & OIL RESISTANT. ANY PIT WATERPROOFING REQUIRED SHOULD BE CARRIED OUT EXTERNALLY ALLOWING FOR ANY POSSIBLE INSTALLATION DRILL FIXINGS UP TO A DEPTH OF 200mm.

## LIFT WELL

1. LIFT WELL TO BE CONSTRUCTED OF MIN 200mm THICK SOLID CONCRETE BLOCKWORK TO N/m<sup>2</sup> BRICK OR RE-ENFORCED CONCRETE OF SUITABLE THICKNESS.  
NETT PLAN SIZES SHOWN. DIMENSIONAL ACCURACY TO BE CHECKED AT PIT LEVEL.  
THEREAFTER A PLUMB ACCURACY OF + 25mm, -0mm IS TO BE MAINTAINED OVER THE ENTIRE WELL HEIGHT. LIFT WELL TO WITHSTAND THE LOADINGS STATED.  
WHOLE LIFT WELL TO BE CLEANED DOWN, INSERTS CLEANED OUT (IF REQ'D), ALL LOOSE MORTAR REMOVED & WHOLE LIFT WELL PAINTED WHITE PRIOR TO INSTALLATION COMMENCEMENT.  
ALL EQUIPMENT DRILL & FIX BY ORONA

2. SHAFT VENTILATION: BUILDING DESIGN TEAM TO CARRY OUT DESIGN RISK ASSESSMENT TO ASSURE THAT SHAFT VENTILATION IS REQUIRED. ASSESSMENT SHOULD INCLUDE THE HEAT OUTPUT OF THE LIFT EQUIPMENT, AMBIENT TEMPERATURES OF THE BUILDING, SOLAR GAINS, BUILDING MATERIALS, DUST, HUMIDITY, FUMES, ETC
3. PROVIDE SUITABLE SAFETY BARRIERS AT EACH LANDING ENTRANCE. BARRIERS TO CONSIST OF HANDRAIL, MID RAIL & TOE BOARD. IN ADDITION & TO PREVENT OBJECTS ENTERING / EXITING THE LIFT WELL, SAFETY NETTING SHALL BE PROVIDED TO COVER THE WHOLE OF THE LIFT WELL. BARRIERS SHALL BE REMOVABLE. BARRIERS AT THE LOWEST & UPPERMOST LEVELS TO BE EASILY REMOVABLE TO ALLOW SAFE ACCESS TO THE LIFT WELL.

## ELECTRICAL REQUIREMENTS

- GENERAL REQUIREMENTS:
1. CARRY OUT ELECTRICAL WORKS AS DETAILED. IMPORTANT NOTE- THE MAINS SUPPLY MUST BE CAPABLE OF MAKING LIVE UPON INSTALLATION COMMENCEMENT.
  2. A TEMPORARY 110V AC SUPPLY IS REQUIRED FOR POWER TOOLS, ETC, IN CLOSE PROXIMITY TO THE LIFT WELL.
  3. ADEQUATE TEMPORARY SAFETY LIGHTING IS REQUIRED WITHIN THE LIFT SHAFT / LIFT LANDINGS / STORAGE AREA / ACCESS ROUTES. IT IS RECOMMENDED THAT THE LIFT WELL IS PERMANENTLY LIT WITH TEMPORARY SAFETY LIGHTING. TASK LIGHTING TO BE PROVIDED BY ORONA.

## GENERAL

1. PROVIDE ADEQUATE WEATHERPROOF, DRY, SECURE WORKING / STORAGE AREA FOR LIFT EQUIPMENT FROM DELIVERY TO INSTALLATION COMPLETION (APPROX. 3m<sup>2</sup> PER LIFT). AREA TO BE WITHIN 15m OF THE LOWEST LEVEL SERVED BY THE LIFT.
2. PROVIDE SAFE & LEVEL ACCESS FROM THE DELIVERY POINT TO THE LIFT WELL & STORAGE AREA FOR LIFT MATERIALS. PROVIDE ASSISTANCE WITH OFF-LOAD BY MEANS OF FORK TRUCK (OR SIMILAR). ACCESS INTO THE BUILDING TO BE LEVEL & SUITABLE FOR PALLETED GOODS VIA STANDARD PALLET TRUCK.  
MAXIMUM MATERIAL WEIGHT TO BE LIFTED 500 KG.  
PROVIDE ASSISTANCE WITH VERTICAL HOISTING OF HEAVY LIFT MATERIALS TO THE UPPERMOST LEVEL OF THE BUILDING, BY MEANS OF CRANAGE / SITE HOIST.
3. THE STRUCTURAL DOOR OPENINGS SHOWN ALLOW FOR DOOR POSITIONING DURING INSTALLATION. BUILDER TO MAKE GOOD TO LIFT ENTRANCES AFTER INSTALLATION.
4. IT IS THE RESPONSIBILITY OF THE BUILDER TO PREVENT THE INGRESS OF MOISTURE, DUST & OTHER SUBSTANCES CONTAMINATING THE LIFTS EQUIPMENT DURING & ON COMPLETION OF THE INSTALLATION & TO PROTECT THE LIFT MATERIALS AGAINST CORROSION & DEGRADATION DUE TO ANY OTHER CAUSE.
5. "WELL DIMENSIONS" IT IS IMPORTANT THAT THE WELL IS CONSTRUCTED IN ACCORDANCE WITH THE DIMENSIONS SHOWN & THE TOLERANCES STATED.  
ALTHOUGH ALL DIMENSIONS ARE IMPORTANT WE PARTICULARLY REFER TO:  
i. MINIMUM PLUMB WELL SIZES. ii. PIT DEPTH iii. THE LIFTS TRAVEL.  
iv. HEADROOM BETWEEN THE TOP FFL & THE TOP OF THE SHAFT.  
THE ABOVE DIMENSIONS ARE TO BE CHECKED BY THE BUILDER / CUSTOMER UNDER CONTRACT COMMENCEMENT & DURING CONSTRUCTION WORKS. ANY DEVIATIONS SHOULD BE ADVISED TO ORIONA WITHOUT DELAY.
6. IT IS THE RESPONSIBILITY OF THE BUILDER/CUSTOMER TO LIASE WITH THE LOCAL FIRE OFFICER, BUILDING CONTROL & ANY OTHER CONTROLLING AUTHORITIES TO ENSURE THAT THE WELL MEETS ALL NECESSARY FIRE & SMOKE REQUIREMENTS.
7. WHERE REQUIRED, PROVIDE CUT-OUTS IN THE ENTRANCE WALL TO THE ERECTORS REQUIREMENTS FOR PUSH BUTTONS / INDICATORS / FIREMAN'S SWITCHES.
8. AMBIENT TEMPERATURE AROUND THE UPPERMOST LANDING TO BE MAINTAINED BETWEEN 5 & 30 DEG CENTIGRADE.

FOR APPROVAL

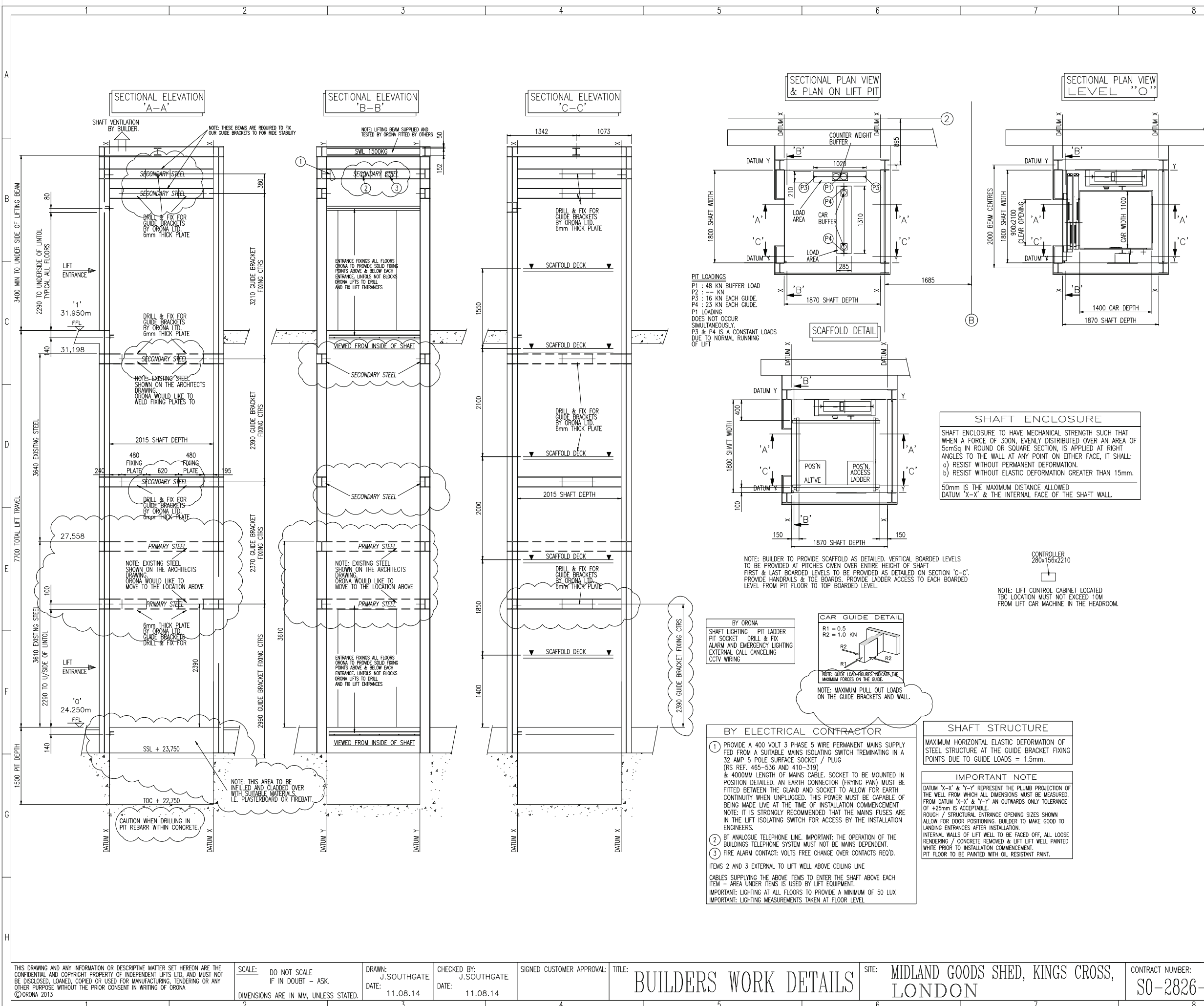
CAPACITY		SPEED	
8 PERSON 630Kg		1.0 m/sec	
REV.	DESCRIPTION.	INIT	DATE.
A	REVISED FOLLOWING ARCHTECTS COMMENTS	JPS	04.09.
B	REVISED FOLLOWING ARCHTECTS COMMENTS	JPS	06.10.



Orona

4 BRUNEL CLOSE  
EBBLAKE INDUSTRIAL ESTATE  
VERWOOD, DORSET Tel: 08453 403100  
BH31 6BA Fax: 08453 403101

-1-86	DRAWING NUMBER: CAMI790094-B01	REVISION: B
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SCALE: DO NOT SCALE  
IF IN DOUBT - ASK.

DRAWN:  
J.SOUTHGATE  
DATE:  
11 08 14

CHECKED BY:	J.SOUTHGATE
DATE:	11 08 14

SIGNED CUSTOMER APPROVAL:	TITLE:
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BUILDERS WORK DETAILS

SITE: MIDLAND GOODS SHED, KINGS CROSS,  
LONDON

CONTRACT NUMBER:  
S0-2826-1-86

DRAWING NUMBER:	CAMI790094-B0
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1	REVISION: B
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