GENERAL NOTES

1. ALL SAFE WORKING LOADS INDICATED ARE FOR THE CONNECTION CAPACITIES TO THE BLOCKS ANCHOR SYSTEMS. THIS DESIGN DOES NOT ACCOUNT FOR GLOBAL STABILITY SHOULD BE CHECKED BY THE DESIGNER FOR THE APPLICATION BEING CONSIDERED.
2. A SAFE SYSTEM OF WORK SHOULD BE IMPLEMENTED BY THE CONTRACTOR FOR INSTALLATION OF THE BLOCKS. THE BLOCKS SHOULD ONLY BE LIFTED BY FORKLIFT LIFTING POINTS AND BY HALFEN SPHERICAL HEAD LIFTING ANCHOR SYSTEM.
3. GROUND CONDITIONS SHOULD BE CONSIDERED FOR EACH APPLICATION AND SHOULD BE CHECKED BY OTHERS.
4. ANCHOR BLOCKS SHOULD BE INDEPENDENTLY INSPECTED ON A WEEKLY BASIS, IN THE EVENT OF EXTREME CLIMATIC CONDITIONS AND PRIOR TO USE.
5. WRITTEN DIMENSIONS SHOULD TAKE PREFERENCE OVER SCALED DIMENSIONS.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.
7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ANCHOR BLOC APPLICATION DESIGN AND SPECIFICATION.
8. ALL PROPRIETARY ITEMS TO BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.

BLOCK TECHNICAL INFORMATION

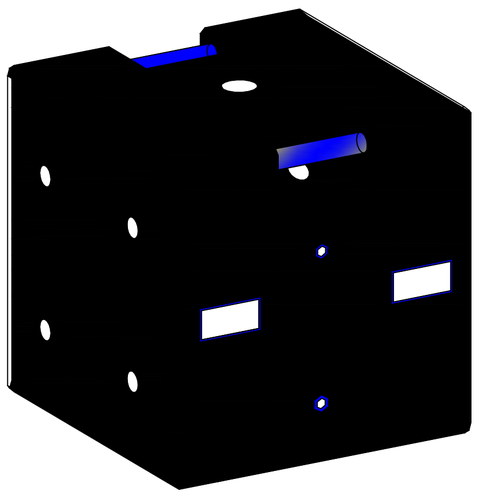
HEIGHT = 550mm
WIDTH = 784mm
LENGTH = 550mm
CONCRETE VOLUME = 0.199m^3
TOTAL VOLUME = 0.237m^3
WEIGHT = 0.199m^3 x 25kN/m^3 = 4.97kN (507kg)
CONCRETE = C28/35 W/FIBERMESH 150 ADDITIVE (CAN BE USED WITH OPC
CEMENT = CEMII /BV
AGGREGATE = 20 LIMESTONE
SLUMP = 80
ADMIX = WRA
STEEL GRADE = HIGH TENSILE, HOT ROLLED TO BS 4449
SCAFFOLD TUBE = BS EN 39 (AS NEW) WITHOUT LOSS OF WALL THICKNESS

ITEM SCHEDULE PER UNIT

4 x DYWIDAG HEX NUT (REF: 32 X 40)
2 x 290±10mm BS EN 39 SCAFFOLD TUBE (REF: 48.3 x 4.0CHS)
1 x HALFEN SPHERICAL HEAD (REF: 25mm DIAMETER HEAD)
1 x ID PLATE

FIBERMESH 150

INHIBITS AND CONTROLS THE FORMATION OF INTRINSIC CRACKING IN CONCRETE
REINFORCES AGAINST IMPACT FORCES
REINFORCED AGAINST ABRASION
REINFORCED AGAINST THE EFFECT OF SHATTERING FORCES
REINFORCES AGAINST WATER MIGRATION
PROVIDES IMPROVED DURABILITY
REDUCES PLASTIC SHRINKAGE AND SETTLEMENT CRACKING



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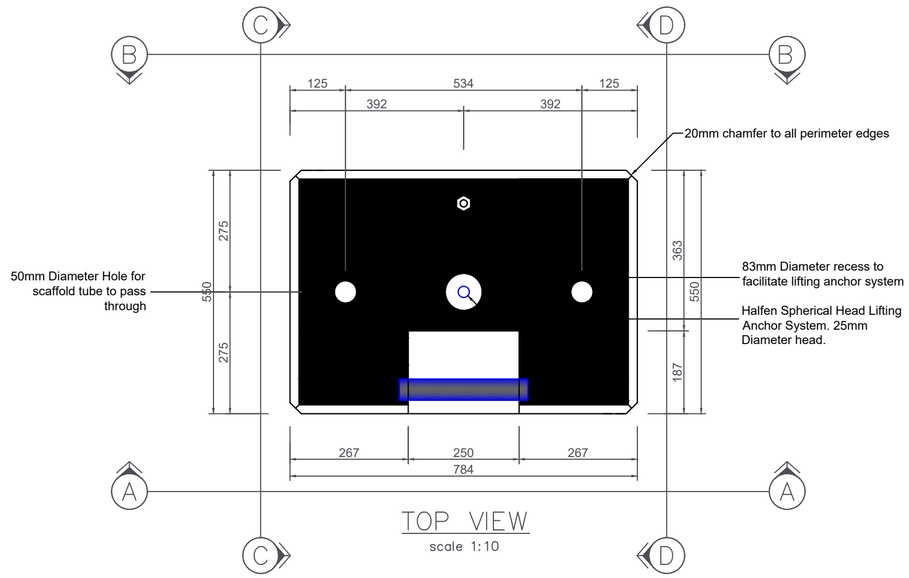
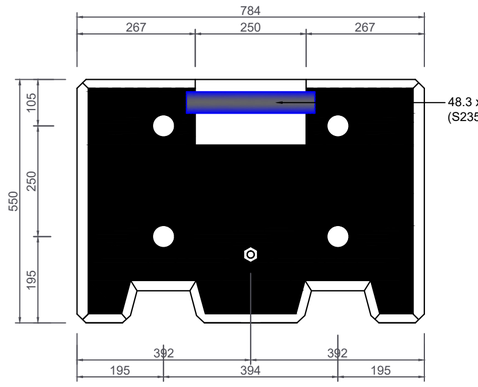
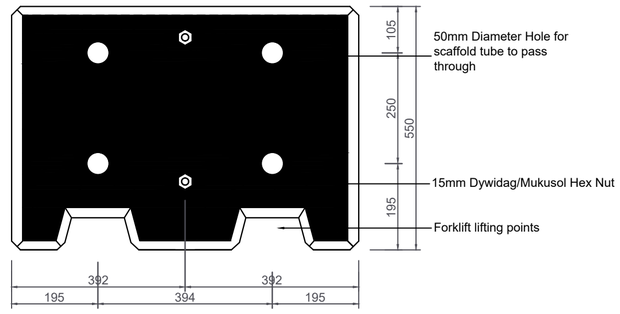


TOP VIEW
scale 1:10



ELEVATION A – A
scale 1:10



ELEVATION B – B
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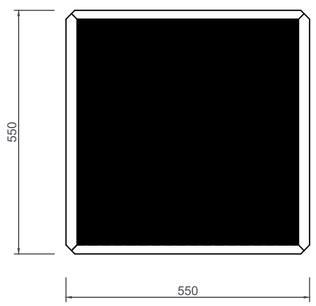
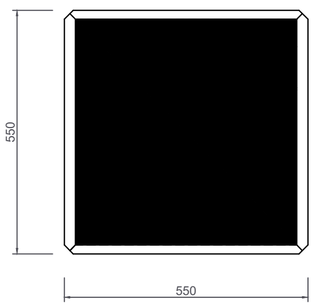


ELEVATION C – C
scale 1:10



ELEVATION D – D
scale 1:10

CONTRACTOR NOTES

DESIGN APPROACH
This "design" has been carried out using the limit state approach in accordance with BS EN 12811–1, NASC TG20:(Current) and the Eurocode Suite.

PROPRIETARY EQUIPMENT
All proprietary equipment should be installed and used in accordance with the manufacturers instructions.

DESIGN SPECIFICATION AND INTERPRETATION
The design has been produced using information provided to us by yourself and/or by others involved in the project. It is your responsibility to ensure that the "services" provided are correct and the specification for the works has been interpreted correctly. This includes but is not limited to; loading, dimensions, lift heights etc. It is your responsibility to ensure that you produce a Risk Assessment and Method Statement (RAMS) in line with the design and that all items detailed are practicable.

ANCHORS (TIES)
The anchors / ties used in design are based on correct installation in accordance with manufacturer's details and the implementation of proof tests in accordance with NASC TG4:(Current) to ensure suitability of building strata. A minimum of 5% of the total number of anchors/ties should be tested to the values indicated in 'LOADINGS' notes. It is the responsibility of the Principal Contractor or Project Management Team to ensure approval of loads is sought from a structural engineer – CREATOR Ltd cannot take responsibility for the existing structure and its load capacity/integrity it is the responsibility of the scaffold contractor to ensure that load bearing couplers are used for all ties, that they are installed correctly and fully in accordance with the design. Under no circumstances should ties be removed once installed as per the design. Should a tie require removal Creator Ltd should be contacted for advice.

FOUNDATIONS (SOIL AS A BEARING STRATA)
It is the responsibility of the Principal Contractor to prepare all ground prior to erection. The forces/pressures to the ground, as detailed in 'LOADINGS', should be approved by the Principal Contractor prior to erection ensuring that settlement is kept to an absolute minimum. All foundations should be regularly inspected and as a minimum during the statutory weekly inspection. If at any stage the Principal Contractor / Contractor has concerns with the ground CREATOR Ltd should be contacted immediately.

FOUNDATIONS (EXISTING STRUCTURAL MEMBER AS A BEARING STRATA)
It is the responsibility of the Principal Contractor to ensure that all loads applied to the existing structure are approved by a competent structural engineer prior to erection of the scaffold structure as this involves matters beyond our remit. See 'LOADINGS' for summary of loads to the existing structure. Should the existing structure be unsuitable to support the applied loads contact CREATOR Ltd prior to erection to obtain new proposals. Once approval of loads has been made and scaffold has been erected, the existing structure should be regularly inspected by the Principal Contractor.

DESIGN SERVICE LOADS (LIVE LOADS)
It is the responsibility of the Principal Contractor and Scaffold Contractor should ensure that the loads allowed in 'LOADINGS' notes are suitable for the work being undertaken and that the loading can be effectively managed by the Principal Contractor during the in–use phase.

MATERIALS
All materials should be in good condition showing no signs of defects. The design is based on the use of good quality products closely controlled to ensure they are free of defects. All prefabricated members should have a manufacturers identifier and should be in good condition showing no signs of defects.

DIMENSIONS
All written dimensions should take precedence over scaled dimensions. Any dimensional discrepancies on the design should be notified to Creator Ltd. It is the responsibility of the Scaffold Contractor and/or Scaffold Contractor to ensure the scaffold is set out correctly and in accordance with the design.

PERMITS AND PERMISSIONS
It is the responsibility of the Principal Contractor/Scaffold Contractor to obtain all permits and permissions prior to erection of the scaffold.

PROPERTY / MODIFICATION
This document remains the exclusive property of Creator Ltd and should be returned immediately upon request. No modification or alteration should be made to the design without written permission from Creator Ltd.

LOADINGS.

All loads, forces and constraints should be read in conjunction with "Contractors Notes". Important values for scaffold contractor indicated in RED.

IMPOSED LOADS / VARIABLE ACTIONS
Duty of Block = 500kg anchor bloc self weight

REV	BY.	DATE.	CHECKED.	DATE.	APP'D.	DATE.
–	RWB	16.08.15	BMB	17.08.15		

Prepared For:

ANCHOR BLOC

Drawing Status:
FOR CONSTRUCTION

Project Number: CRE/6260/001/1
Revision: –
Scale(s): 1:10 @ A2

Project Title/Description:
500kg ANCHOR BLOC
GENERAL ARRANGEMENT DRAWING

Principal Contractor:
SEE QUOTE

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