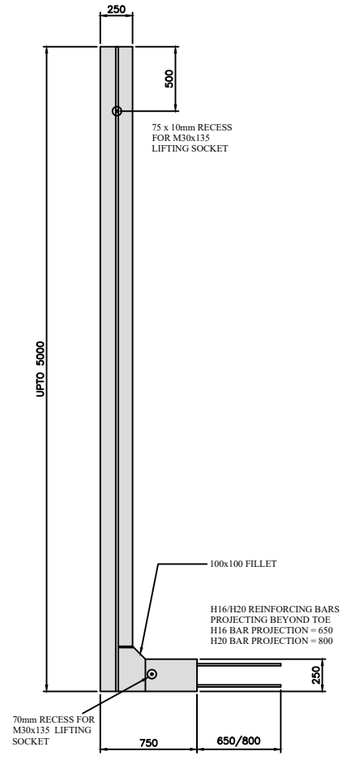
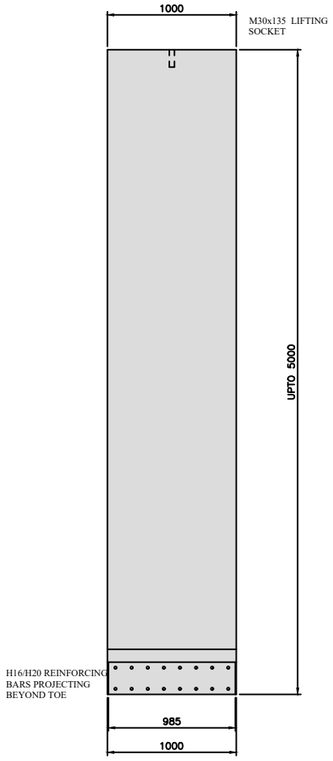
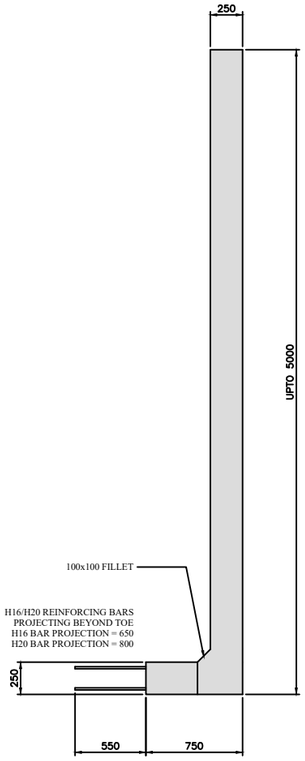


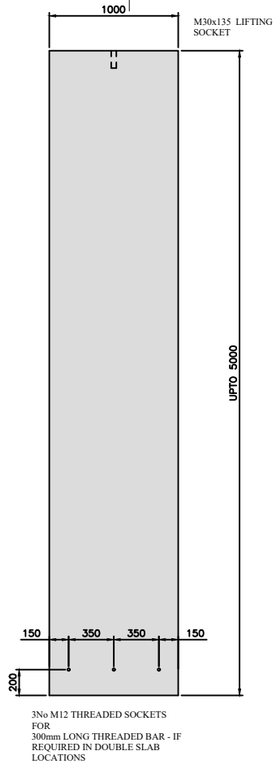
SIDE ELEVATION



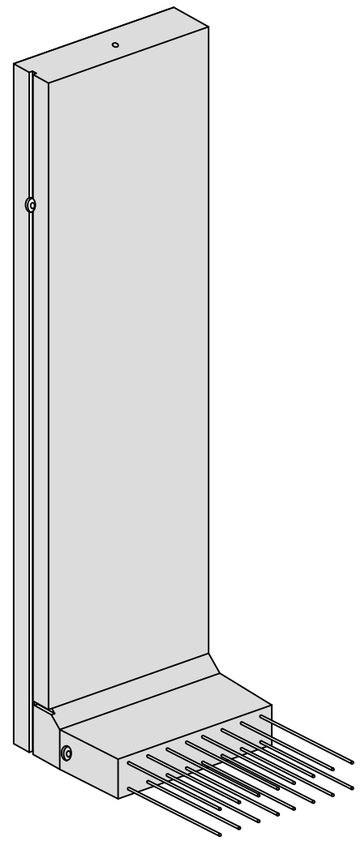
FRONT ELEVATION



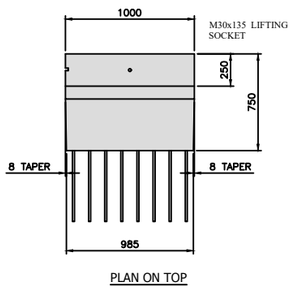
SIDE ELEVATION



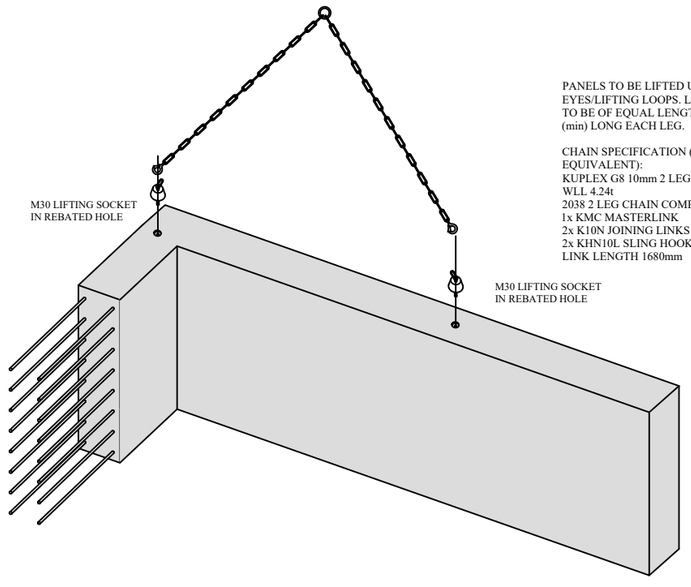
REAR ELEVATION



ISOMETRIC VIEW



PLAN ON TOP



PANELS TO BE LIFTED USING SWIVEL EYES/LIFTING LOOPS. LIFTING CHAINS TO BE OF EQUAL LENGTH AT 1680mm (min) LONG EACH LEG.

CHAIN SPECIFICATION (OR EQUIVALENT):
KUPLEX G8 10mm 2 LEG SLING
WLL 4.24t
2038 2 LEG CHAIN COMPRISING OF:
1x KMC MASTERLINK
2x K10N JOINING LINKS
2x KHN10L SLING HOOKS WITH LATCH
LINK LENGTH 1680mm

TYPICAL SECTION WEIGHTS

HEIGHT/m	
1.0	0.91 TONNE
1.5	1.21 TONNE
2.0	1.51 TONNE
2.5	1.81 TONNE
3.0	2.11 TONNE
3.5	2.41 TONNE
4.0	2.71 TONNE
4.3	2.89 TONNE
5.0	3.31 TONNE

1. Design

a) Concrete Wall design to BS 8110-Part 1:1997 & BS8500- Part 1: 2006 ;

Heavy Duty Cast In	Ultimate Moment Capacity (kNm)	Service Moment Capacity (kNm)
Type 16	132.0	94.0
Type 20	192.0	137.0

Note: JP Concrete have designed the concrete unit only, the stability of the support conditions should be checked by overall scheme designer.

2. Concrete

a) Concrete strength at transfer = C32/40 ;
b) Concrete strength at 28 days = C50/60 ;
c) Max W/C ratio to be 0.55. Min Cement Concrete to be 325kg/m^3

3. Reinforcement

a) Steel Grade = (500B or C) to BS4449.
b) Steel Scheduling, dimensioning, bending & cutting of steel to BS 8666:2005

4. Durability

a) Design Life: 50 years to BS8500;
b) Cover to Strand & Exposure:

Min Cover	All
All Faces	30mm

Exposure	
All Faces	XC4, XD2, XF1,XS1*

*Not Suitable for salt storage without protective coating. Airborne Salts only- NO direct contact. Suitable for XF3 with an aggregate check

5. Handling

a) Unit Weight (Check Table)

6. Manufacture

Manufactured to BS 8110.

7. Tolerances

a) Length -5mm to +10mm;
b) Width -0mm to +6mm;
c) Thickness -2mm to +6mm;
d) Squareness 12mm difference between diagonals;
e) Socket position ± 10mm;
f) Lifter Position ± 100mm;
g) Flatness ± 3mm in any 1.5m direction.

8. Finish

	Front Face	All Other Faces
Class	Steel Float	A

9. **Disclaimer**

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All dimensions noted are in millimeters unless stated otherwise;
This drawing is to be read in conjunction with all other relevant documents relating to the project;
Do not scale from this drawing, if dimensions are not clear, please ask.

Revision/Description	Drawn	Checked	Date
First Issue	JM	FM	12/01/2021

Title, Supplementary title

H16 & H20
General Arrangement Drawing
Heavy Duty Cast-In

Identification number	Created by
NCLHD	JM
Document type	**Technical reference**
Information use	FM
Document Status	**Approved by**
Released	TM

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Plot Date	Paper size	Revision	Sheet
12/01/2021	A3	P01	1/1