



**GENERAL NOTES:**

- ALL PRECAST CONCRETE ELEMENTS TO BE MANUFACTURED TO BS EN 13369:2004 "COMMON RULES FOR PRECAST CONCRETE PRODUCTS. LIFTING INSERTS TO BE DESIGNED & INSTALLED TO PD CEN/TR 15728:2008 "DESIGN AND USE OF INSERTS FOR LIFTING AND HANDLING OF PRECAST CONCRETE ELEMENTS"
- SPECIFIED LIFTING INSERTS HAVE A S.W.L OF 10 TONNE.
- LOCATION & SPECIFICATION OF LIFTING INSERTS ARE ASSUMED TO FACILITATE DEMOULDING AND HANDLING IN PRECAST MANUFACTURING FACTORY. IT IS THE RESPONSIBILITY OF THE PRECAST MANUFACTURER TO NOTIFY THE ESBI ENGINEER IF THESE ARE UNSUITABLE FOR HIS MANUFACTURING METHODOLOGY. ESBI ENGINEER TO BE INFORMED OF ANY ALTERNATIVE LIFTING LOCATIONS FOR FACTORY HANDLING AND DEMOULDING.
- CONCRETE TO HAVE A MINIMUM STRENGTH OF 30N/mm<sup>2</sup> PRIOR TO HANDLING OR DEMOULDING.
- MAIN CONTRACTOR TO ENSURE THAT A METHOD STATEMENT AND RISK ASSESSMENT INCLUDING A LIFTING PLAN, IS PRODUCED FOR INSTALLATION AND ARE AVAILABLE TO ESBI ENGINEER FOR REVIEW IF REQUESTED. LIFTING PLAN TO INCORPORATE REQUIREMENTS OF LIFTING INSERTS AND LIFTING LOOP EYES.
- A MINIMUM LIFTING SLING ANGLE OF 50° TO THE HORIZONTAL IS REQUIRED.
- A LIFTING SYSTEM WHICH ENSURES ALL LIFTING POINTS TAKE AN EQUAL LOAD IS REQUIRED.
- HALF EN DEHA SPHERICAL LIFTING ANCHORS TO BE USED AS SPECIFIED. ANY DEVIATION FROM THIS MUST BE NOTIFIED TO ESBI ENGINEER BY PRECAST MANUFACTURER. LIFTING INSERTS TO BE INSTALLED AS PER MANUFACTURERS GUIDELINES AND IN ACCORDANCE WITH PD CEN/TR 15728:2008.
- FORMWORK FOR PRECASTING TO BE OF A MINIMUM STANDARD OF VARNISHED WOODEN MOULD WITH PLANED BOARDS.
- COVER TO REINFORCEMENT TO BE 40mm.
- CONCRETE TO BE GRADE C30/C37 AS PER ES8 REQUIREMENTS.
- ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206-1:2002 WITH THE MIXED DESIGNS SHOWN IN TABLE 1.
- THE DEPTH FROM GROUND/ROAD LEVEL TO THE TOP OF THE CONCRETE WALL SHALL BE:
  - A) 500mm - IN CULTIVATED FIELDS AND GRASS LANDS
  - B) 300mm - IN PAVED ROADS AND GRASS VERGES
  - C) 350mm - IN PAVED ROADS IN DUBLIN CITY COUNCIL ROADS AND GRASS VERGES
- LINK BOX CHAMBER TO BE POSITIONED AT THE EDGE OF OR OFF ROAD.

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LEGEND

NOTES

DISCIPLINE



PROJECT

**ESSDUB98 KISHOGE SUBSTATION  
GRID CONNECTION**

Rev	Date	Description	By	Ckd
P02	31/08/2022	FOR PLANNING	ZS	HF
P01	24.01.2022	FOR INFORMATION	IC	DH

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Drawn by IC	Checked by HF	Date 01-12-2021
Scale (@ A1) AS INDICATED	Status code S1	Project number 21_100

Drawing Title

**TYPICAL JOINT BAY  
DETAILS**

Drawing Number

(Project Code-Originator-Volume-Level-Type-Role-Sheet no.) Revision

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