

**STEELWORK LAYOUT
OPEN STORAGE BAYS**
SCALE 1:100

OPEN STORAGE BAY FOUNDATION & GROUND FLOOR SLAB TO BE DESIGNED AND DETAILED BY CONTRACTOR IN ACCORDANCE WITH THE GENERAL ARRANGEMENT INFORMATION INDICATED ON THIS DRAWING. CONTRACTOR TO UNDERTAKE SUFFICIENT FURTHER INVESTIGATION TO ALLOW FOUNDATION/GROUND FLOOR SLAB DESIGN.

ALL STEELWORK TO BE DESIGNED BY THE CONTRACTOR IN ACCORDANCE WITH THE GENERAL ARRANGEMENT INFORMATION INDICATED ON THIS DRAWING AND THE SPECIFICATION.

NOTE:
WIND LOADING ANALYSIS AND DESIGN OF STEELWORK TO INCLUDE CONSIDERATION OF EFFECT OF HIGH WINDS. WORST CASE CONDITIONS TO BE INCLUDED IN THE STRUCTURAL DESIGN OF PRIMARY AND SECONDARY STEELWORK AND CLADDING/FIXINGS.

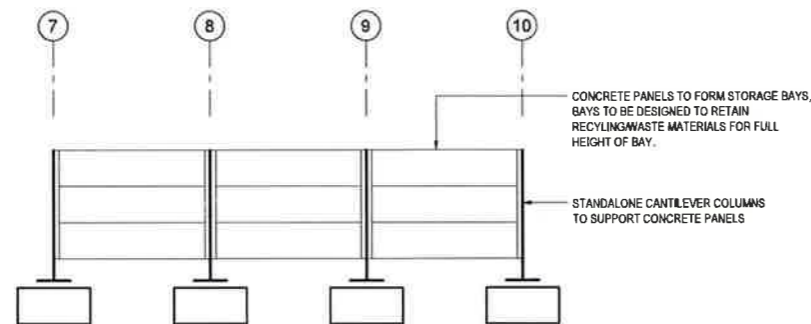
NOTE:
ALTERNATIVELY PROPRIETARY PRECAST CONCRETE L OR T SECTIONS COULD BE CONSIDERED BOLTED TO THE TOP OF REINFORCED CONCRETE YARD SLAB TO CONTRACTORS DESIGN & DETAIL.

DESIGN LOADING FOR STEELWORK DESIGN

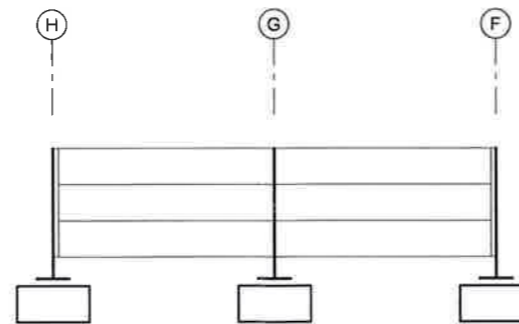
- SNOW LOADING TO BE DETERMINED IN ACCORDANCE WITH BS 6399 BUT NOT LESS THAN 0.6 kN/m²

- WIND LOADING TO BE DETERMINED IN ACCORDANCE WITH BS 6399

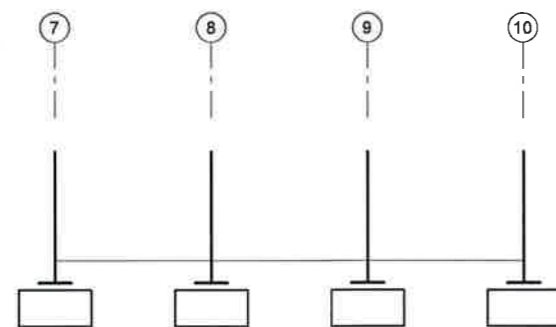
NOTE : LOADINGS AND COMBINATIONS SUBJECT TO AGREEMENT BETWEEN CONTRACTORS STEELWORK DESIGNERS AND RPS.



ELEVATION ALONG GRID F
SCALE 1:100



ELEVATION ALONG GRID 7, 8, 9 & 10
SCALE 1:100



ELEVATION ALONG GRID H
SCALE 1:100

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Notes

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- This drawing should be read in conjunction with all other relevant drawings and specifications.

NOTES

- IF THIS DRAWING HAS BEEN RECEIVED ELECTRONICALLY IT IS THE RECIPIENT'S RESPONSIBILITY TO PRINT THE DOCUMENT TO THE CORRECT SCALE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE IT IS RECOMMENDED THAT INFORMATION IS NOT SCALED OFF THIS DRAWING.
- DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- ALL STEELWORK ERECTION TO BE TO BS 5531 AND THE 'NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION'. THE CONTRACTOR RESPONSIBLE FOR THE ERECTION OF STEELWORK IS TO ENSURE THE STABILITY OF THE STRUCTURE AT ALL TIMES DURING ERECTION BY THE USE OF TEMPORARY BRACING AND STRUTS AS NECESSARY.
- FABRICATION OF STEELWORK TO BE IN ACCORDANCE WITH BS 5950 : PART 2. ALL STEELWORK SHALL COMPLY WITH THE FOLLOWING -
BS EN 10025 - HOT ROLLED SECTIONS
BS EN 10210 PART 1 - HOT ROLLED STRUCTURAL
- ALL PROPRIETARY ITEMS TO BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- HOLDING DOWN BOLTS AND BASE PLATES TO BE GROUTED UP WITH NON-SHRINK GROUT 'CONCREXTRA GP' OR SIMILAR APPROVED.
- ALL BOLTS TO BE TO BS 4190 (GRADE 4.8) OR BS 2692 (GRADE 8.8) AND TO BE SHERADIZED OR BRIGHT GALVANISED.
- ALL BOLTS TO BE IN 2mm CLEARANCE HOLES UNLESS STATED OTHERWISE.
- FABRICATION MUST TAKE INTO CONSIDERATION DEAD LOAD DEFLECTION TO ENSURE THE SPECIFIED ROOF PITCH AFTER CONSTRUCTION.
- STEELWORK TO BE PROVIDED WITH A PROTECTIVE COATING WHICH WILL GUARANTEE A MINIMUM OF 25 YEARS TO FIRST MAINTENANCE, SUITABLE FOR 'ENVIRONMENT CATEGORY C4'.
- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT BUILDING REGULATIONS, N.H.B.C. STANDARDS CHAPTER 6.4, BS5268, BRE DEFECT ACTION SHEETS 25, 57 AND 99, AND JOB SPECIFICATION(S).
- CONFLICTING INFORMATION SHOWN ON THE ENGINEERS DRAWINGS, OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER, AND THAT PROVIDED BY OTHERS, MUST BE REFERRED TO THE ENGINEER BEFORE THE AFFECTED WORK PROCEEDS.
- IN CASE OF ANY DISCREPANCIES IN DRAWINGS OR DETAILS, REFER TO ENGINEER FOR CLARIFICATION. UNILATERAL DECISIONS BY THE CONTRACTOR WILL NOT BE ACCEPTED.
- ALL BUILDING STEELWORK INCLUDING STEEL TO STEEL CONNECTIONS ARE TO BE DESIGNED & DETAILED BY THE STEELWORK CONTRACTOR.
- CONTRACTOR TO UNDERTAKE SUFFICIENT FURTHER GROUND INVESTIGATION TO CARRY OUT GROUND FLOOR SLAB AND BUILDING FOUNDATION DESIGN.

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Client COUNCIL OF THE ISLES OF SCILLY

Project PORTHMELLON WASTE MANAGEMENT FACILITY, ST. MARY'S, ISLES OF SCILLY

Title OPEN STORAGE BAYS BUILDING STEELWORK ARRANGEMENT

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PRELIMINARY	1:100 @A1	10 JUNE 2015
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ABH	RS	SH

Drawing Number	Rev
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