

# TENDER



## NOTES

- THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED ABOVE "FOR CONSTRUCTION"
- THE COPYRIGHT ON THIS DRAWING IS RETAINED BY MICHAEL BEARDSALL ASSOCIATES LTD
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS AND THE CORRECT SETTING OUT ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE USED  
**DO NOT SCALE** : IF IN DOUBT ASK
- ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE CURRENT BRITISH STANDARDS AND CODES OF PRACTICE
- ALL SET-OUT, LEVEL, AND DIMENSIONAL INFORMATION SHOWN ON THIS AND ANY ASSOCIATED MBA DRGS TO BE CONFIRMED AND APPROVED BY THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR FABRICATION WORKS. REFER TO THE ARCHITECT'S DRGS FOR ALL LOCATIONS, EXTENTS, SPECIFICATIONS, AND DETAILS OF: DPM, WATERPROOFING, INSULATION & THERMAL BREAK LOCATIONS, FINISHES, FIRE PROTECTION (INCLUDING REQ'D FIRE RESISTANCE PERIOD), AND MOVEMENT JOINTS.
- STEELWORK**  
ALL STEELWORK TO BE GRADE S355 HOT ROLLED UNLESS SPECIFIED OTHERWISE. ALL STEEL CONNECTIONS TO BE FABRICATOR DESIGNED BASED ON LOADS GIVEN BY MBA. ALL STEELWORK TO BE FABRICATED AND PAINTED IN ACCORDANCE WITH MBA SPEC. ALL STEELWORK BUILT INTO THE STRUCTURE TO HAVE 2 COATS OF HIGH BUILD BITUMINOUS PAINT ON ALL INACCESSIBLE SURFACES. ALL BOLTS TO BE GRADE 8.8, PROVIDE MIN. 2No. M16 BOLTS PER CONN. ALL WELDS TO MIN 6mm FILLET WELDS U.N.O. ALL STEEL TO HAVE 140 MICRON GALVANISING TO MBA SPEC. FIRE PROTECTION TO ALL STEELWORK TO ARCHITECTS DETAILS.

FABRICATOR TO NOTIFY MBA OF ANY SPLICE LOCATIONS REQUIRED TO SUIT BEAM DELIVERY TO SITE.

## SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, PLEASE NOTE THE FOLLOWING REGARDING SIGNIFICANT RISKS CONSIDERED UNUSUAL, LIKELY TO BE DIFFICULT TO MANAGE OR NOT LIKELY TO BE OBVIOUS TO A COMPETENT CONTRACTOR OR OTHER DESIGNERS.

- TEMPORARY STABILITY TO STEEL FRAMING DURING CONSTRUCTION.
- WORKING IN PROXIMITY TO WATER AND HEIGHT.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.



D	27:09:24	TENDER ISSUE	RBP	GM
C	23:09:24	ISSUED FOR PRICING	RBP	GM
B	13:09:24	PRELIMINARY ISSUE	RBP	GM
A	06:09:24	WORK IN PROGRESS ISSUE	RBP	GM
DATE	REVISION	SUMMARY	BY	CHK

JOB TITLE:  
**PROPOSED ALTERATIONS AT  
PENZANCE DRY DOCK  
WHARF ROAD, PENZANCE,  
CORNWALL, TR18 4BW**

CLIENT:  
**DRYDOCK  
PENZANCE CORNWALL**

DETAIL:  
**EXISTING WORKSHOP PLAN  
SHOWING PROPOSED COLUMNS  
AND CRANE SUPPORT BEAMS**

DRN. BY: **R.PAINE**

DATE: **SEPT '24** SCALE: **1:100 @ A1**

JOB NO:	DRAWING No:	REV:
<b>24060</b>	<b>31</b>	<b>D</b>

**MBA**  
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## DRAWING KEY

- DENOTES PROPOSED STEELWORK TO SIZES SHOWN ON DRAWINGS. ALL STEELWORK TO BE GALVANISED TO MIN. 140 MICRONS.
- - - - - DENOTES 60.3x6.3 CHS TIE.
- - - - - DENOTES 203x133x30 UB ON SIDE (-H) TIE TO SUPPORT BRACING TO FRONT ELEVATION.
- DENOTES EXISTING COLUMN TO BE REMOVED AS PART OF PROPOSED WORKS.
- DENOTES EXISTING COLUMN TO REMAIN.
- - - - - DENOTES 60.3x6.3 CHS HORIZONTAL BRACING.

## STEEL TO STEEL CONNECTION DESIGN FORCES:

ALL FORCES INDICATED ARE FACTORED ULTIMATE LIMIT STATE VALUES TO BS5950.

ALL CONNECTIONS ARE TO BE CAPABLE OF RESISTING A MINIMUM 75kN TIE FORCE.

ALL DIAGONAL BRACING MEMBER CONNECTIONS ARE TO BE CAPABLE OF RESISTING A MINIMUM 75kN AXIAL FORCE.

REFER TO MBA SPECIFICATION REQUIREMENTS FOR MIN. BOLT PROVISION FOR CONNECTIONS.

THESE FORCES DO NOT INCLUDE ANY ADDITIONAL CONNECTION FORCE DUE TO ECCENTRICITY WHICH ARE TO BE ALLOWED FOR (IF APPLICABLE) IN THE CONNECTION DESIGN.

ANY PERCEIVED DISCREPANCIES OR OMISSIONS ARE TO BE REPORTED PRIOR TO THE FABRICATOR COMMENCING CONNECTION DESIGN.

DENOTES MOMENT CONNECTIONS. MOMENT CONNECTIONS NOT DENOTED WITH A FORCE ARE TO BE CONSIDERED AS MIN. 35kNm (ULTIMATE).

## CRANE GANTRY CONSTRUCTION TOLERANCES:

TOLERANCES FOR CRANE TRACKS ARE TIGHTER THAN THE TOLERANCES FOR THE STEEL CONSTRUCTION IN GENERAL.

CONSTRUCTION TOLERANCES FOR THE TRACKS & RAIL JOINTS TO BE IN ACCORDANCE WITH THE REQUIREMENTS SET OUT IN ISO-12488-1.

CRANES - TOLERANCES FOR WHEELS & TRAVEL & TRAVERSING TRACKS.

THE PROPOSED CRANES REQUIRE THE TRACKS & RAIL JOINTS TO BE CONSTRUCTED TO THE REQUIREMENTS OF TOLERANCE CLASS 2.

## GENERAL STEELWORK CONSIDERATIONS:

SPLICE LOCATIONS T.B.C. BY CONTRACTOR TO SUIT MAXIMUM STEEL WEIGHT/MEMBER SIZE DUE TO SITE/LIFTING CONSTRAINTS.

ALL STEEL TO BE GALVANISED TO 140 MICRONS.

EXISTING WORKSHOP PLAN SHOWING PROPOSED COLUMNS & CRANE SUPPORT BEAMS

SCALE 1:100