

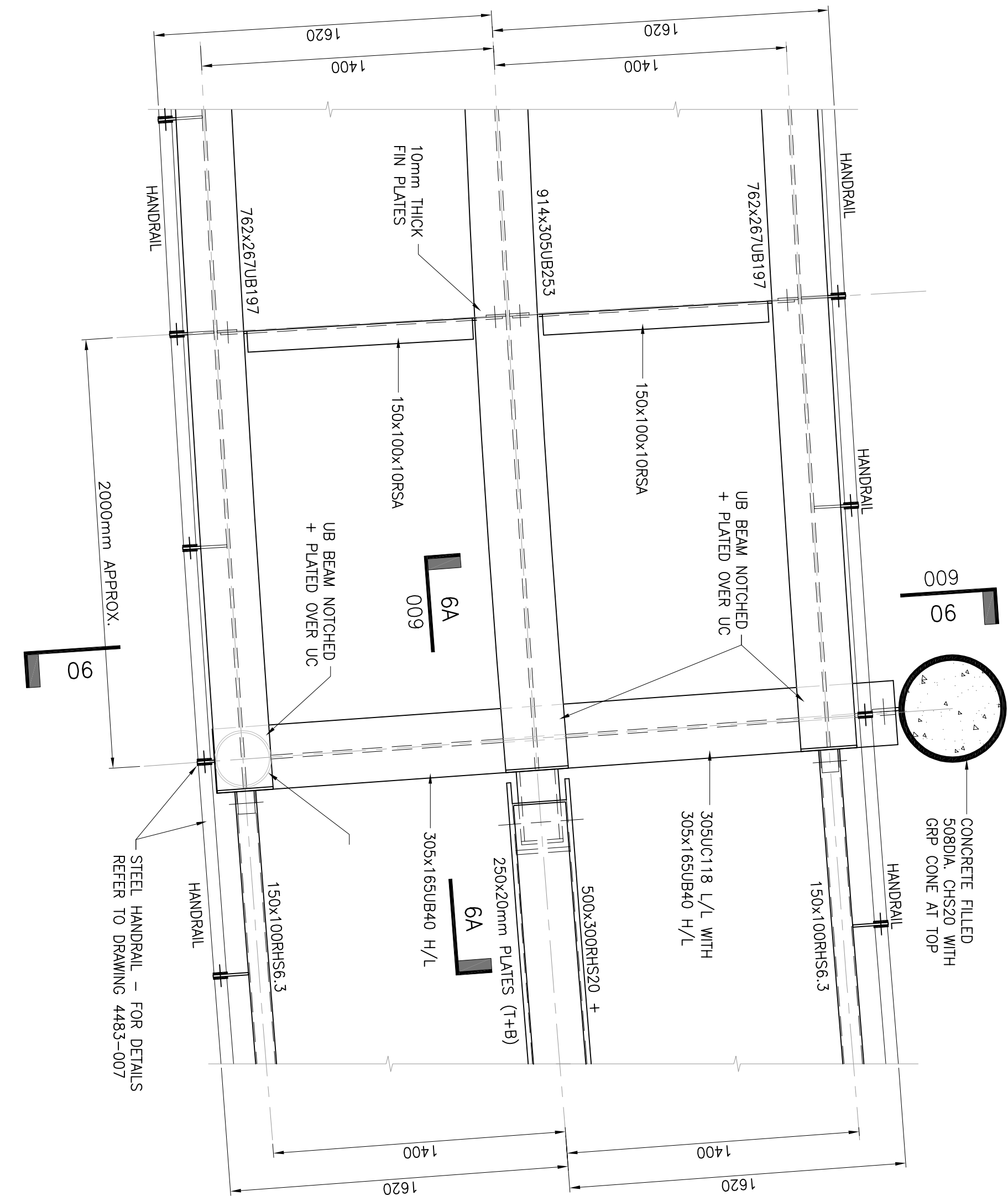
- GENERAL NOTES
1. THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S SERVICE ENGINEERS' SPECIALISTS AND KIRKSAUNDERS' DRAWINGS, BILLS OF QUANTITIES AND SPECIFICATION.
 2. FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
 3. ALL WORKMANSHIP TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE RELEVANT BRITISH STANDARDS. CODES OF PRACTICE SPECIFICATIONS AND CONTRACT ADMINISTRATION, CONTRACTOR PRIOR TO ORDERING OR FABRICATING ANY SET ITEMS.
 4. DIMENSIONS MARKED BY 'AN' ARE SUBJECT TO CONFIRMATION BY SITE MEASURE AND GIVEN FOR GUIDANCE ONLY.
 5. ALL BEAMS ARE REFERENCED BY DEPTH x BREADTH UNLESS NOTED OTHERWISE.
 6. ALL PROPRIETARY PRODUCTS ARE TO BE USED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 7. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES AND TEMPORARY WORKS TO SAFELY CARRY OUT STRUCTURAL WORKS.

STEELWORK NOTES

1. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL SECTIONS TO BE S355J2H
2. STRUCTURAL HOLLOW SECTIONS TO BE HOT FINISHED GRADE S355J2H
3. ALL CONNECTIONS NEED TO BE ABLE TO WITHSTAND THE FACTORED VERTICAL END REACTIONS AS NOTED ON THE DRAWING AND A TENSILE FORCE EQUAL TO 25kN
4. ALLOWANCE NEEDS TO BE MADE FOR ANY ADDITIONAL STIFFENERS TO COLUMN/BEAM CONNECTIONS IN ORDER TO STABILISE THE COLUMN/BEAM CONNECTIONS
5. STEEL FABRICATOR & RESPONSIBLE FOR DETAILING DESIGN AND SETTING OUT OF ALL COLD FORMED SECONDARY STEELWORK AND ALL STRUCTURAL STEELWORK CONNECTIONS. ANY CONNECTIONS SHOWN ON KIRKSAUNDERS' DRAWINGS ARE INDICATIVE ONLY.
6. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ENGINEERS' SPECIALISTS AND KIRKSAUNDERS' DRAWINGS, BILLS OF QUANTITIES AND SPECIFICATION.
7. END REACTION FORCES ARE SHOWN WITH THEIR DEFINITIONS IN PARENTHESES:
 - (V) VERTICAL SHEAR - kN
 - (M) MAJOR AXIS BENDING MOMENT - kNm
 - (A) AXIAL FORCE - kN
 - (T) TORSION - kNm
 - (H) HORIZONTAL SHEAR - kN
8. ALL STEELWORK TO BE HOT DIP GALVANISED AND ALSO PREPARED & PAINTED WITH 125 MICRONS ZINC PHOSPHATE COATING ENCASED IN CONCRETE. NO PAINT REQUIRED TO 6mm CONTINUOUS FILET. UNLESS NOTED OTHERWISE (BUTT WELDS SHALL BE TESTED).
9. ALL BOLTS SHALL BE GRADE 8.8 MINIMUM 20mm DIAMETER, UNLESS NOTED OTHERWISE. WELDS SHALL BE MINIMUM 6mm CONTINUOUS FILET. UNLESS NOTED OTHERWISE (BUTT WELDS SHALL BE TESTED).
10. ALL HOLES THROUGH STEELWORK SHALL BE DRILLED. THE BURNING OF HOLES IS NOT ACCEPTABLE.
11. NO NOTCHES, HOLES OR REBATES ETC. ARE TO BE CUT IN ANY MEMBER WITHOUT THE WRITTEN AGREEMENT OF THE ENGINEER.
12. ALL STEELWORK SHALL HAVE ALL SHARP EDGES AND BURRS REMOVED.
13. ALL STEELWORK BELOW GROUND LEVEL SHALL BE CASTED IN A MINIMUM 100mm OF CONCRETE.

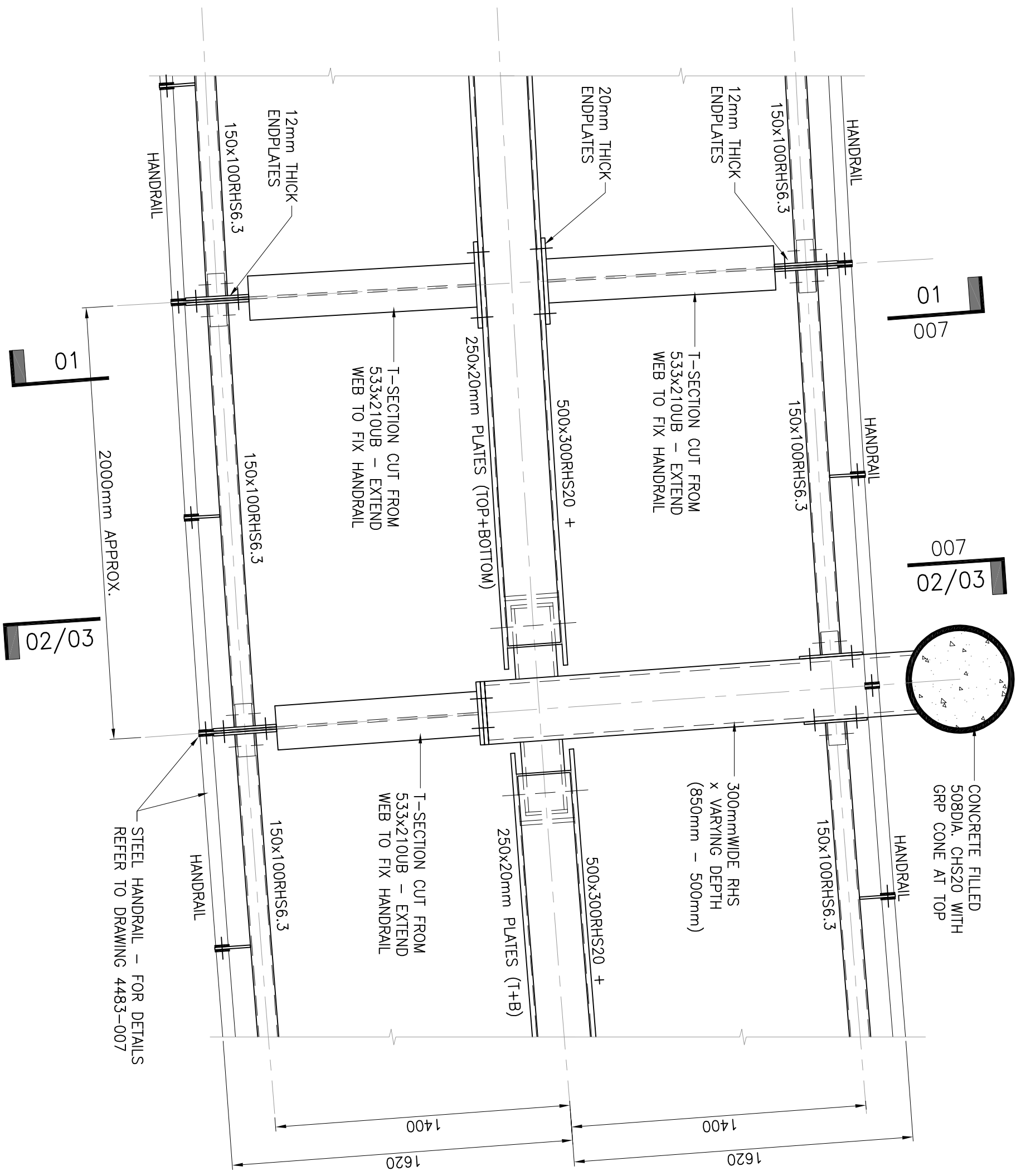
FOR PLANS, SECTIONS & DETAILS REFER TO THE FOLLOWING DRAWINGS:

PIECAP/RAMP LAYOUT:	4483-004
CONCRETE RAMP DETAILS:	4483-005
STEELWORK RAMP DETAILS:	4483-007
ENLARGED PLANS:	4483-008
STEELWORK RAMP SECTIONS:	4483-009
RAMP ELEVATION:	4483-010
PILE + PIECAP LAYOUT:	4483-011



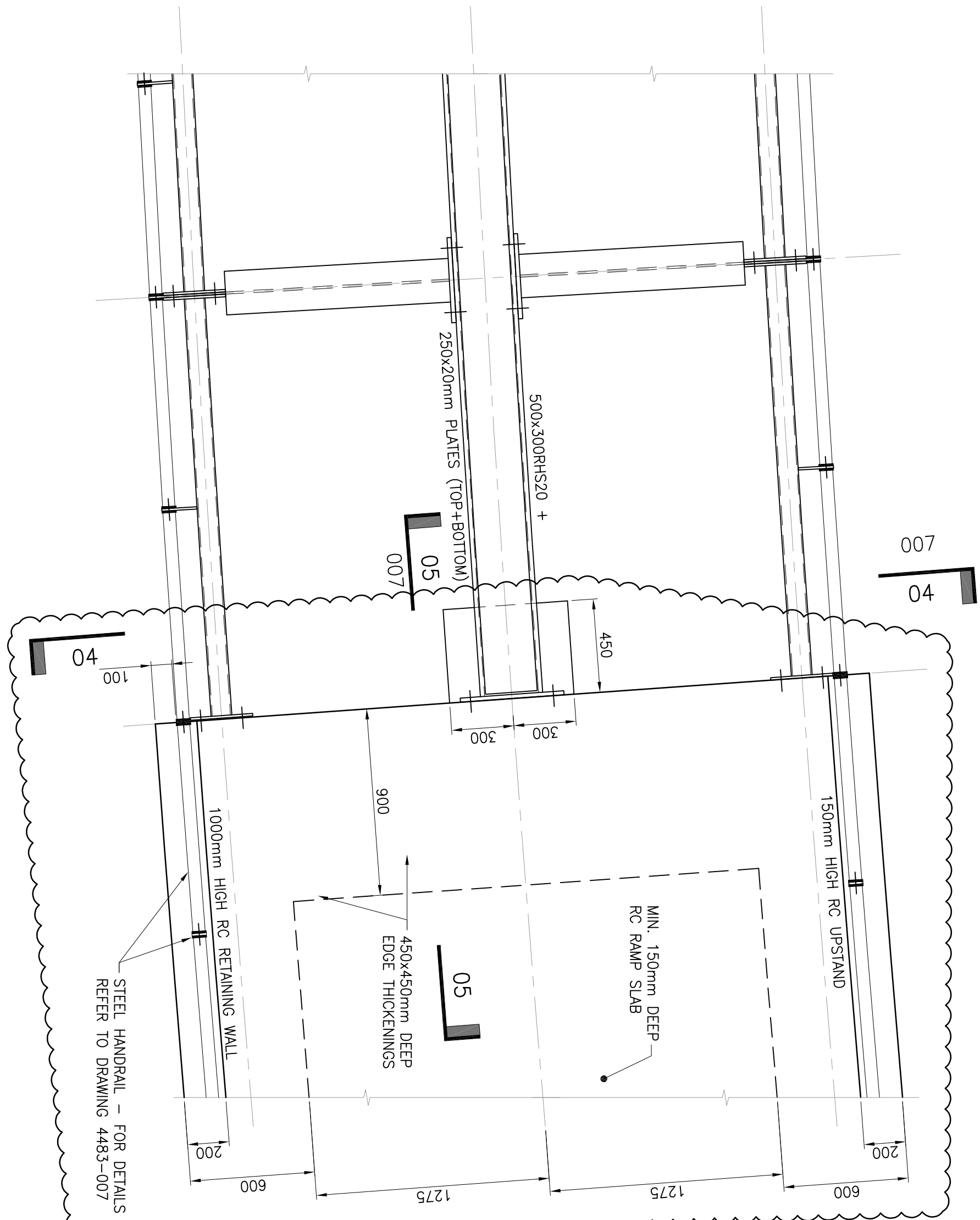
PART-PLAN ON STEEL RAMP (OVER SERVICES ZONE)

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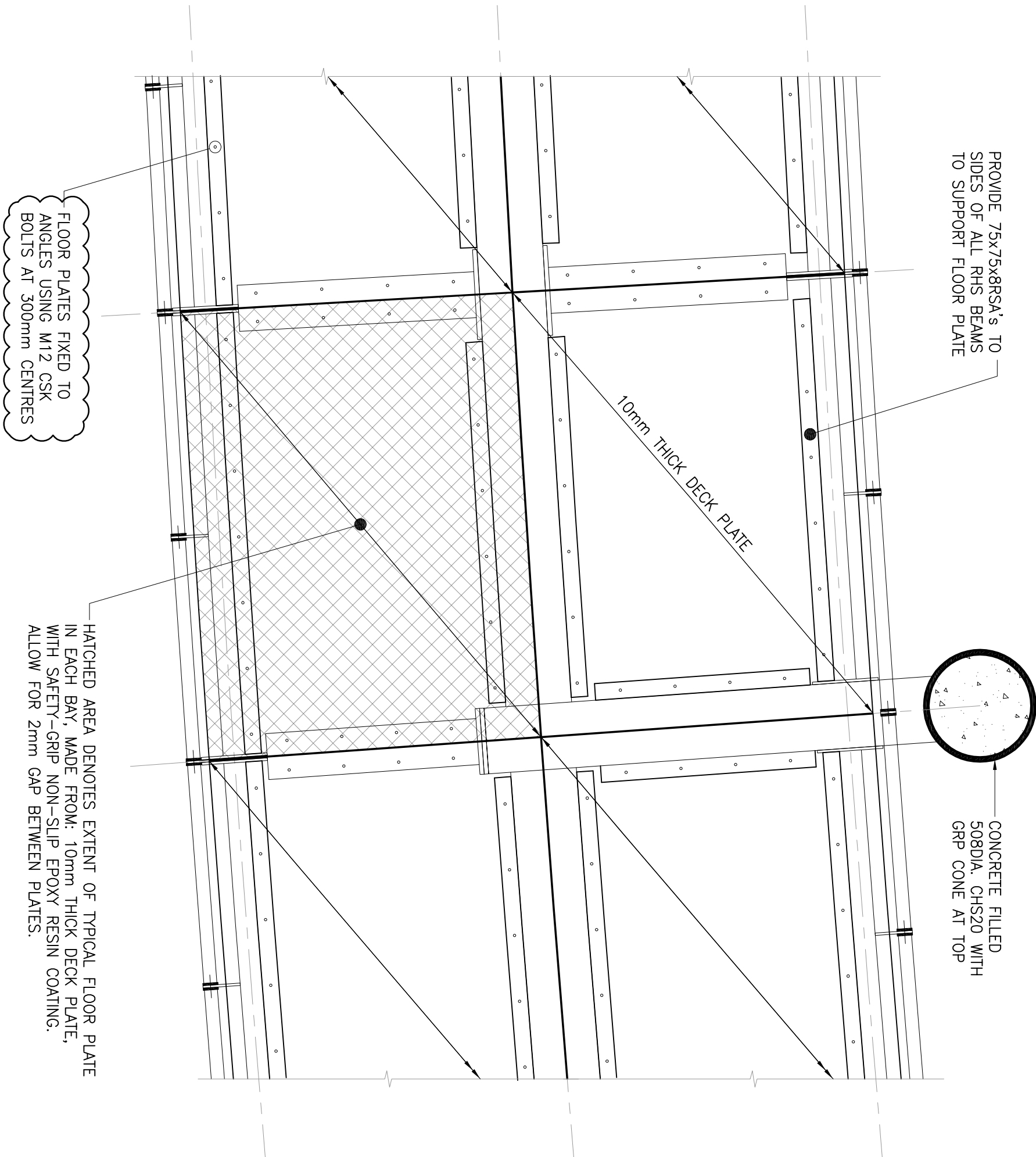
PART-PLAN ON STEEL RAMP (TYPICAL)

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PART-PLAN ON JUNCTION BETWEEN STEEL / CONCRETE RAMP

1:20



PART-PLAN ON STEEL RAMP (TYPICAL DECK DETAILS)

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FOR CONSTRUCTION

STATUS

Rev	Description	Rev	Date
C2	RC RAMP CONSTRUCTION DETAILS REVERSED	04M	02.10.12
C1	STEEL PLATE FINISHES ADDED, NOTES REVERSED	04M	02.10.12
P1	WALL SUPPORT BEAM OFF COLUMN (SERVICES)	04M	02.10.12
P2	(ZONE) REVERSED	04M	02.10.12
P3	STEELWORK FINISHES REVERSED	04M	02.10.12
P4	RAMP OVER SERVICES ZONE ADDED	04M	02.10.12
P5	ISSUED FOR TENDER	04M	02.10.12

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CLIENT'S

ARCHITECT

PROJECT

DRAWING TITLE

ENLARGED PLAN DETAILS
GENERAL ARRANGEMENTS

Drawn: CH2/3/20/12/12

Check: GC FEB '12

4483-008

C2