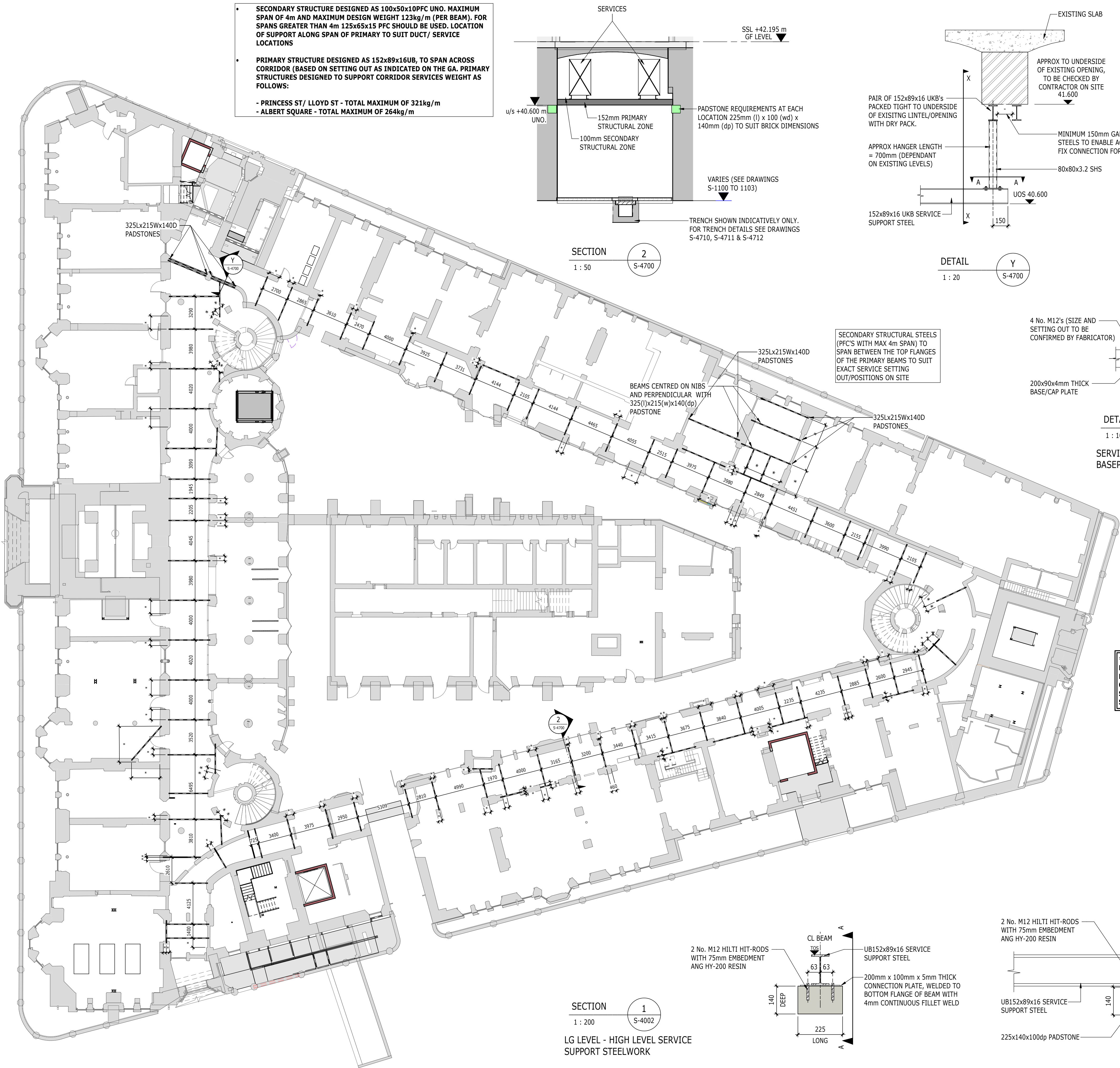
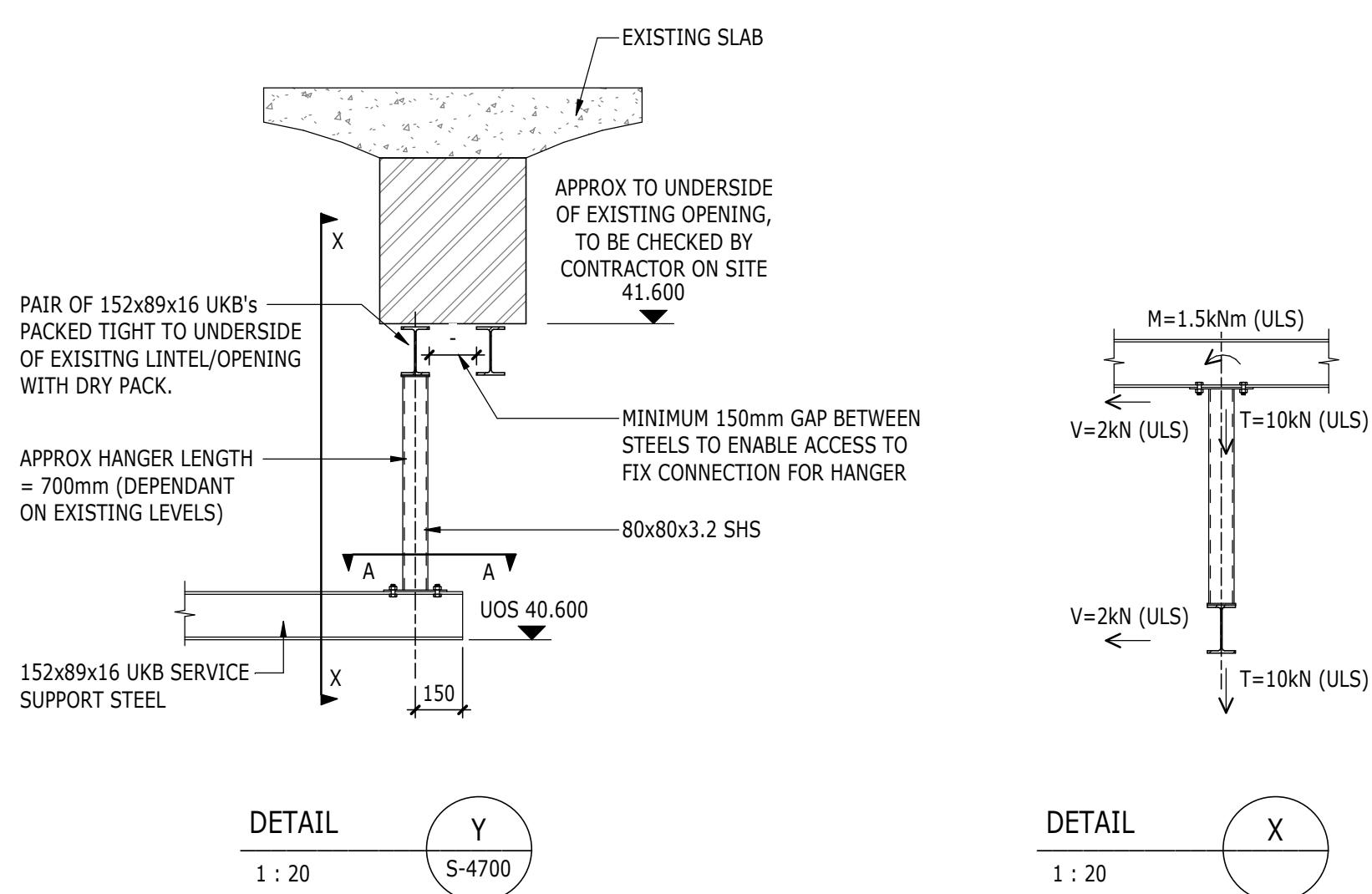
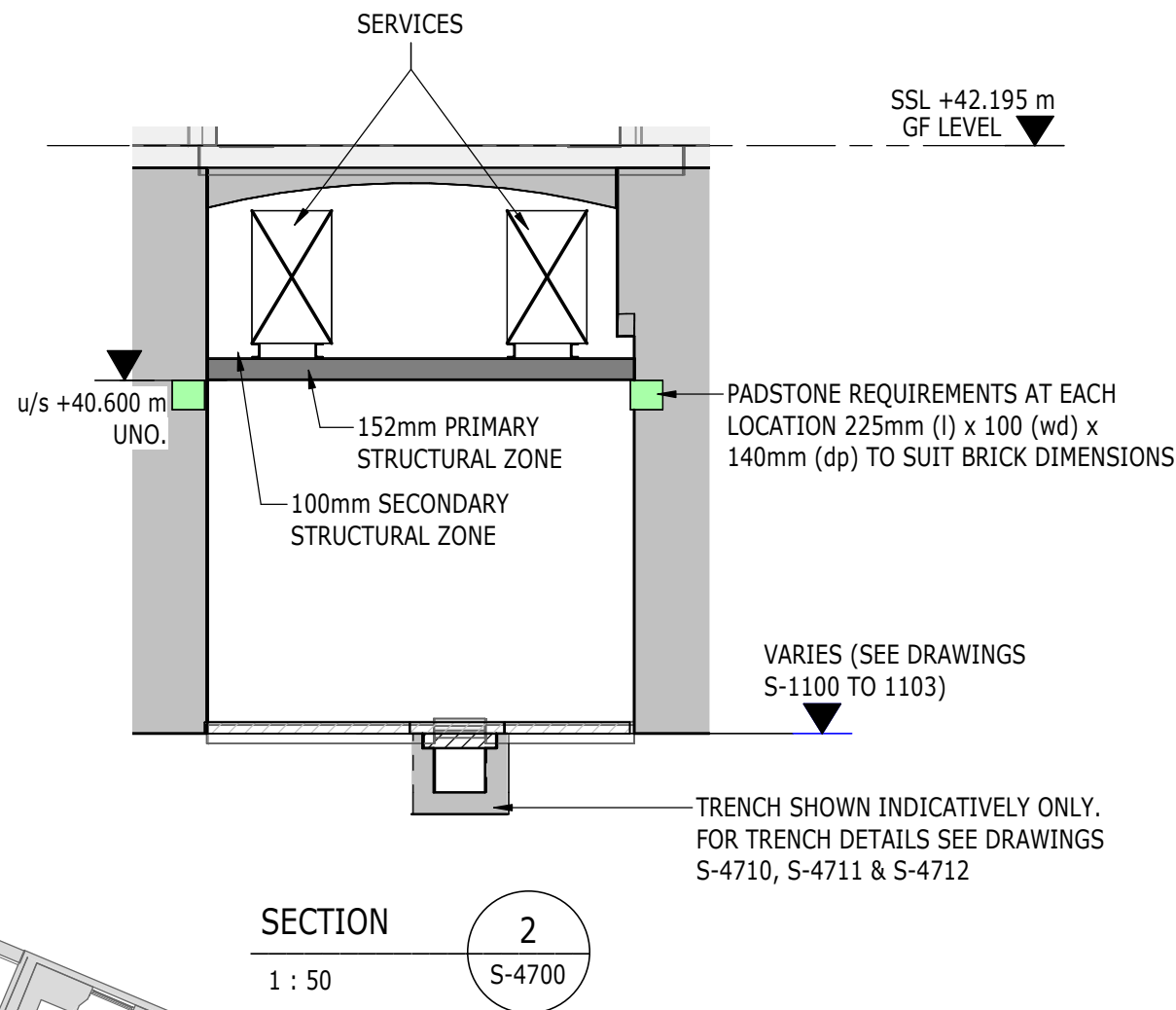
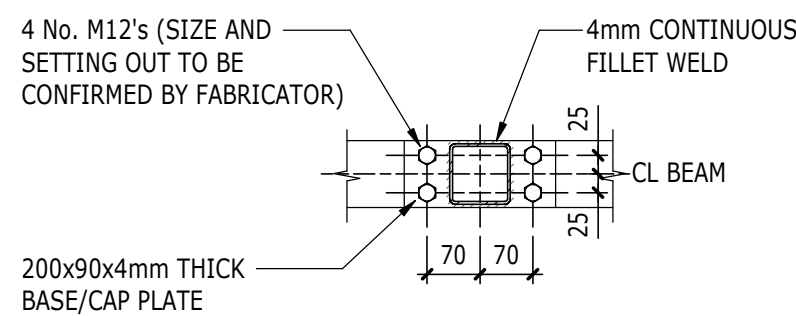




- SECONDARY STRUCTURE DESIGNED AS 100x50x10PFC UNO. MAXIMUM SPAN OF 4m AND MAXIMUM DESIGN WEIGHT 123kg/m (PER BEAM). FOR SPANS GREATER THAN 4m 125x65x15 PFC SHOULD BE USED. LOCATION OF SUPPORT ALONG SPAN OF PRIMARY TO SUIT DUCT / SERVICE LOCATIONS
- PRIMARY STRUCTURE DESIGNED AS 152x89x16UB, TO SPAN ACROSS CORRIDOR (BASED ON SETTING OUT AS INDICATED ON THE GA. PRIMARY STRUCTURES DESIGNED TO SUPPORT CORRIDOR SERVICES WEIGHT AS FOLLOWS:
  - PRINCESS ST/ LLOYD ST - TOTAL MAXIMUM OF 321kg/m
  - ALBERT SQUARE - TOTAL MAXIMUM OF 264kg/m



SECONDARY STRUCTURAL STEELS (PFC'S WITH MAX 4m SPAN) TO SPAN BETWEEN THE TOP FLANGES OF THE PRIMARY BEAMS TO SUIT EXACT SERVICE SETTING OUT/POSITIONS ON SITE



SERVICE HANGER AND LINTEL BASEPLATE

\* FOR SETTING OUT DIMENSIONS FROM EXISTING STRUCTURE REFER TO PURCELL DRAWINGS AND FOR SETTING OUT PRINCIPLES FROM EXISTING STRUCTURES REFER TO PURCELL SETTING OUT PRINCIPLES REPORT.

SECTION 1  
1 : 200  
S-4002

LG LEVEL - HIGH LEVEL SERVICE SUPPORT STEELWORK

TYPICAL HIGH LEVEL STEEL PADSTONE DETAIL  
(SCALE 1:10)

SECTION A-A  
(SCALE 1:10)

Scale Bars to be used as guidance only - refer to sheet size below

|       |       |       |        |        |        |         |         |
|-------|-------|-------|--------|--------|--------|---------|---------|
| 1:100 | 1:200 | 1:500 | 1:1000 | 1:2000 | 1:5000 | 1:10000 | 1:20000 |
| 1:100 | 1:200 | 1:500 | 1:1000 | 1:2000 | 1:5000 | 1:10000 | 1:20000 |
| 1:100 | 1:200 | 1:500 | 1:1000 | 1:2000 | 1:5000 | 1:10000 | 1:20000 |
| 1:100 | 1:200 | 1:500 | 1:1000 | 1:2000 | 1:5000 | 1:10000 | 1:20000 |

#### NOTES

- FOR GENERAL NOTES, SEE DRAWING S-00010
- FOR STEEL AND PADSTONE REFERENCES, SEE SCHEDULES ON DRAWINGS S-00015/S-00016
- DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS AND M&E ENGINEERS DRAWINGS
- DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL SPECIFICATION
- ALL LEVELS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT
- ALL REINFORCED CONCRETE TO BE C30/37 UNO.
- ALL CONCRETE BLINDING TO BE GEN 1 AND BULK MASS FILL TO BE GEN 3 UNO
- ALL REINFORCEMENT TO BE GRADE 500 TO BS4449
- STEELWORK:  
INTERNAL: GENERAL SECTIONS AND PLATES S275JR, HOLLOW SECTIONS S355JR  
EXTERNAL: GENERAL SECTIONS AND PLATES S275JO, HOLLOW SECTIONS S355JOH  
ALL EXTERNAL STEELWORK TO BE GALVANISED. ALL INTERNAL STEELWORK TO BE PAINTED, AND SUITABLE FOR ENVIRONMENT CATEGORY C2, UNO (SEE STRUCTURAL SPECIFICATION)
- REFER TO RAMBOLL BWIC SCHEDULE OTH-RAM-TH-ZZ-SCH-S-1000 FOR WHERE BWIC ARE APPLIED.
- FOR MASONRY NOTES, SEE DRAWING S-0010
- FOR NEW LINTEL DETAILS, REFER TO LINTEL SCHEDULE OTH-RAM-TH-ZZ-SCH-S-1000

#### KEY

#### MEMBER CONNECTION FORCES (kN) (FACTORED)

| MEMBER REFERENCE | V  | F  |
|------------------|----|----|
| UB152A           | 20 | 75 |

ALL STEEL MEMBERS UB152A UNO

PADSTONES:  
EACH BEAM THAT SPANS INTO A WALL TO BEAR ONTO A 225MM (L) X 100MM (WD) X 140MM (DP) PADSTONE, UNLESS NOTED OTHERWISE. SEE TYPICAL HIGH LEVEL STEEL PADSTONE DETAIL

|       |            |          |       |                                                           |
|-------|------------|----------|-------|-----------------------------------------------------------|
| C01   | 17/07/2020 | PM       | JP    | CONSTRUCTION ISSUE FOR INTERNAL SUBSTRUCTURE PACKAGE ONLY |
| T01   | 18/11/2019 | PM       | JP    | STAGE 4 ISSUE                                             |
| ISSUE | DATE       | APPROVED | DRAWN | DESCRIPTION                                               |

 OUR TOWN HALL PROJECT

**RAMBOLL**

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+44 (0) 161 827 1890  
www.Ramboll.com

|                |                                              |
|----------------|----------------------------------------------|
| PROJECT STATUS | STAGE 5                                      |
| CLIENT         | MANCHESTER CITY COUNCIL                      |
| PROJECT        | OUR TOWN HALL PROJECT                        |
| DRAWING TITLE  | LOWER GROUND FLOOR SERVICE SUPPORT STEELWORK |
| SIZE & SCALE   | A1: VARIES                                   |
| DRAWING STATUS | S4 - CONSTRUCTION                            |
| JOB NUMBER     | 162003165                                    |
| DRAWING NO.    | OTH-RAM-TH-LG-DWG-S-4700 C01                 |