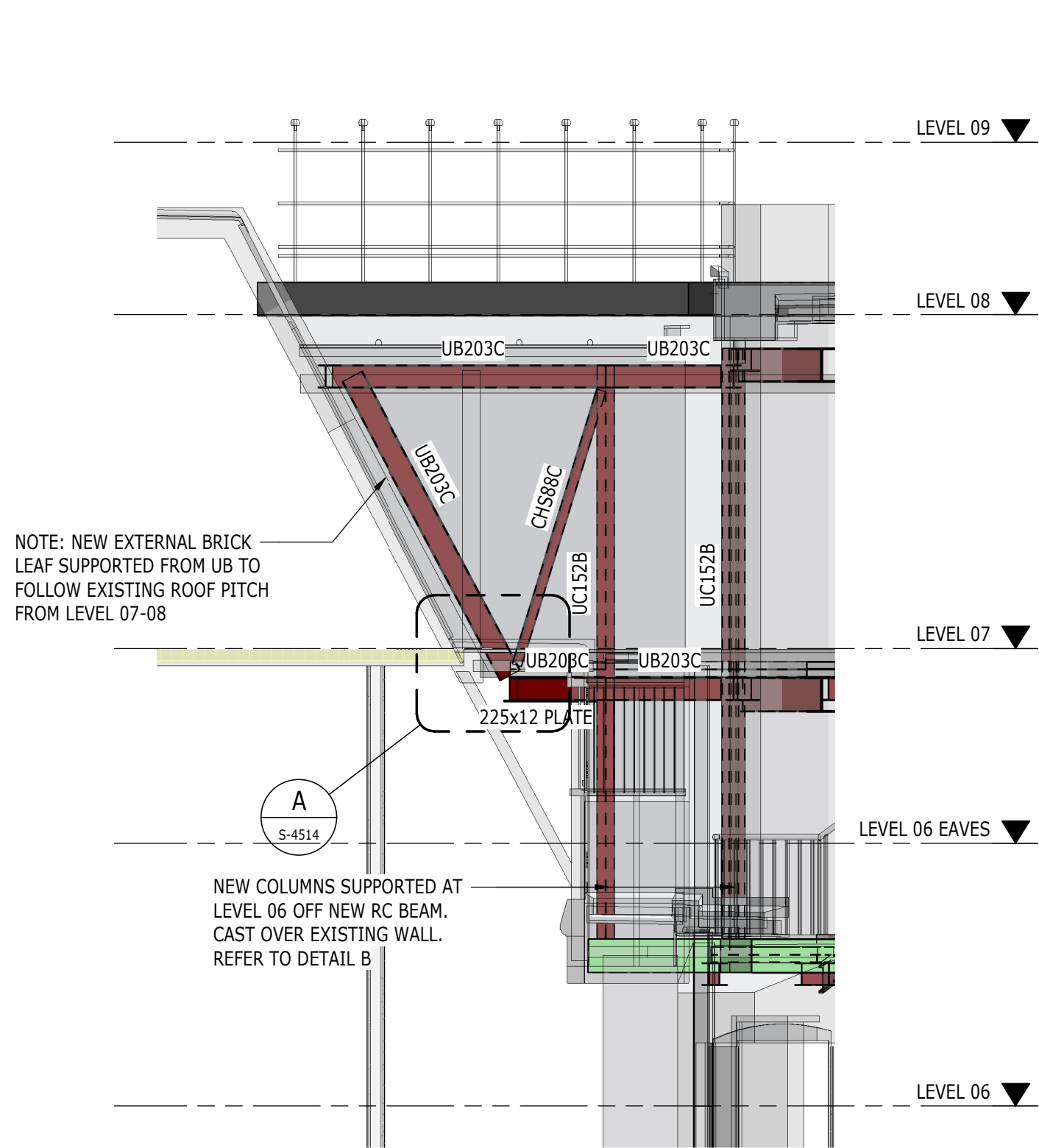
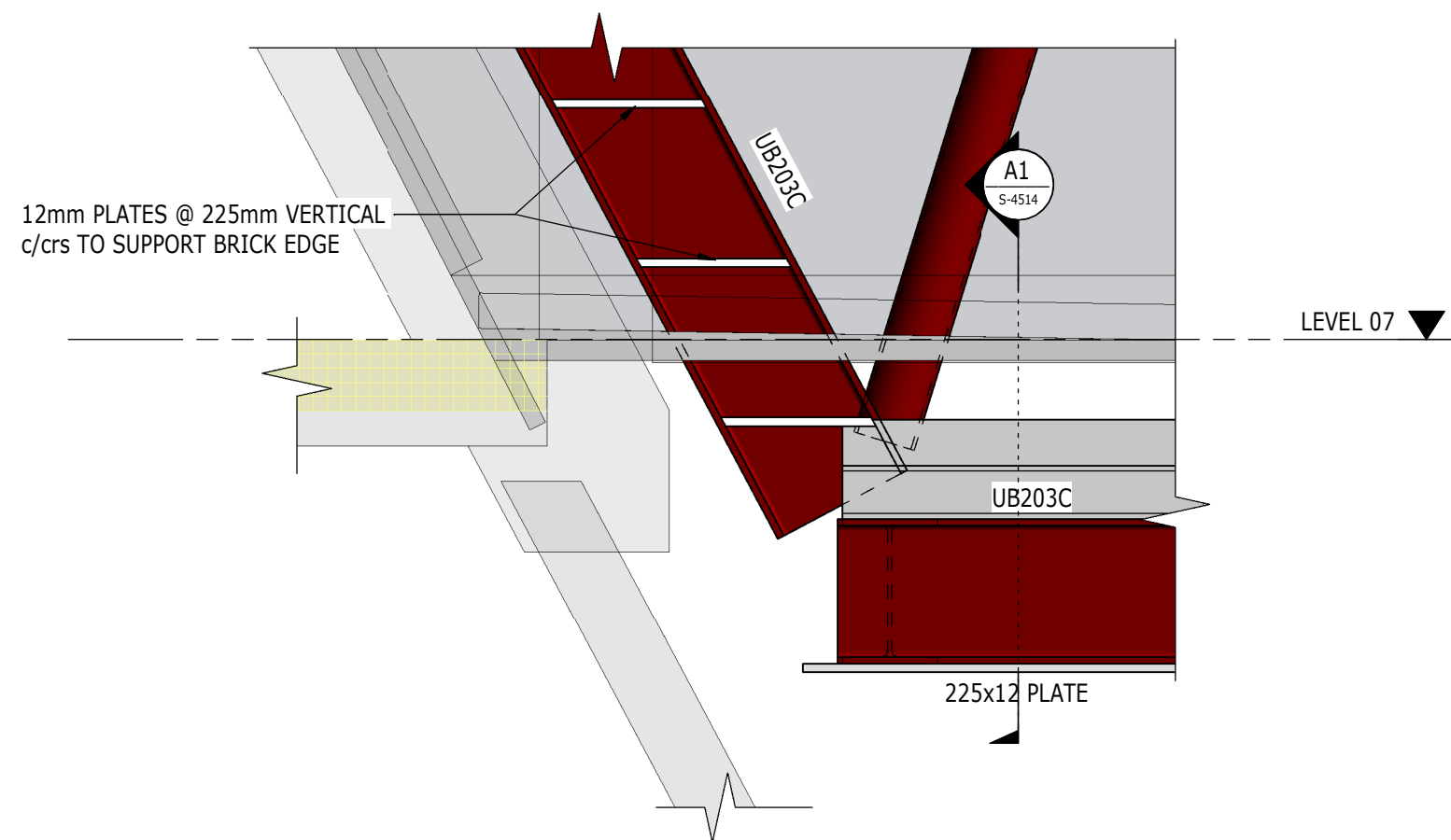




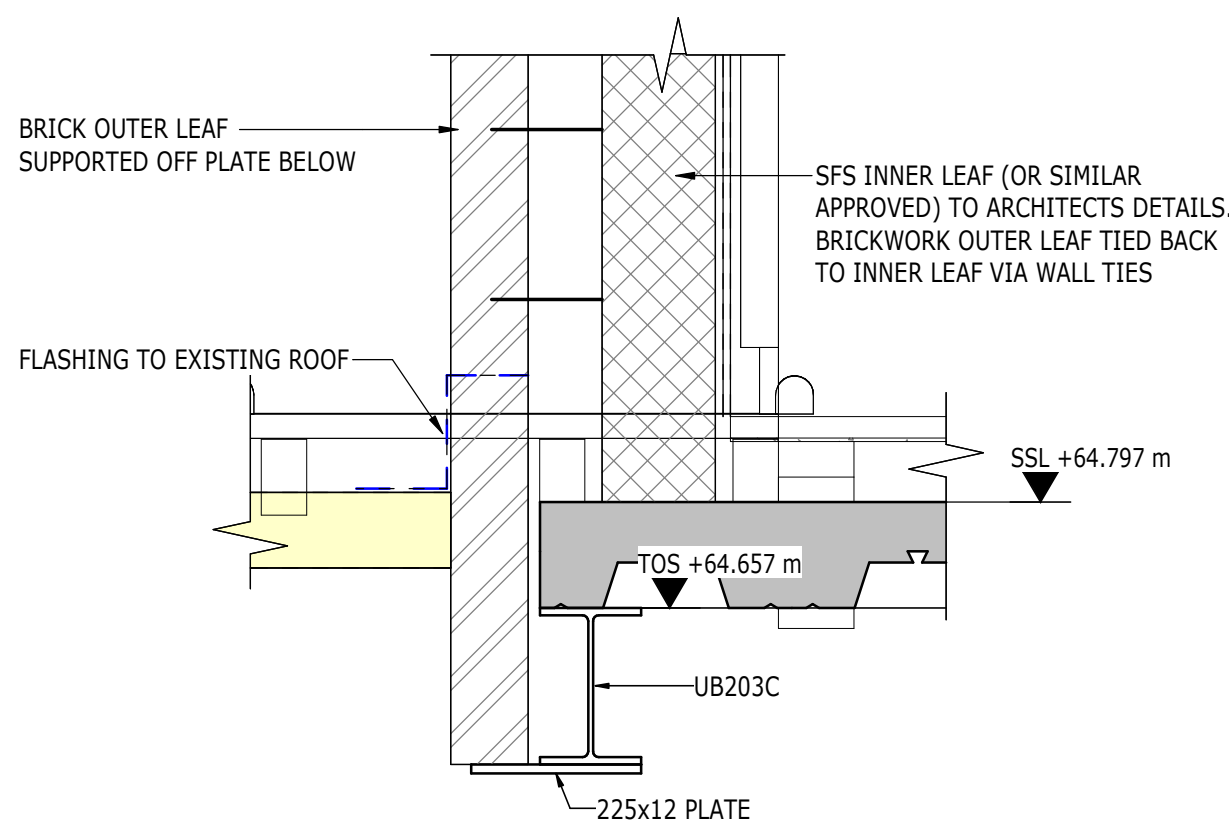
ELEVATION
1 : 50
E1
S-4014

PRINCESS ST ELEVATION E1



DETAIL
1 : 10
A
S-4514

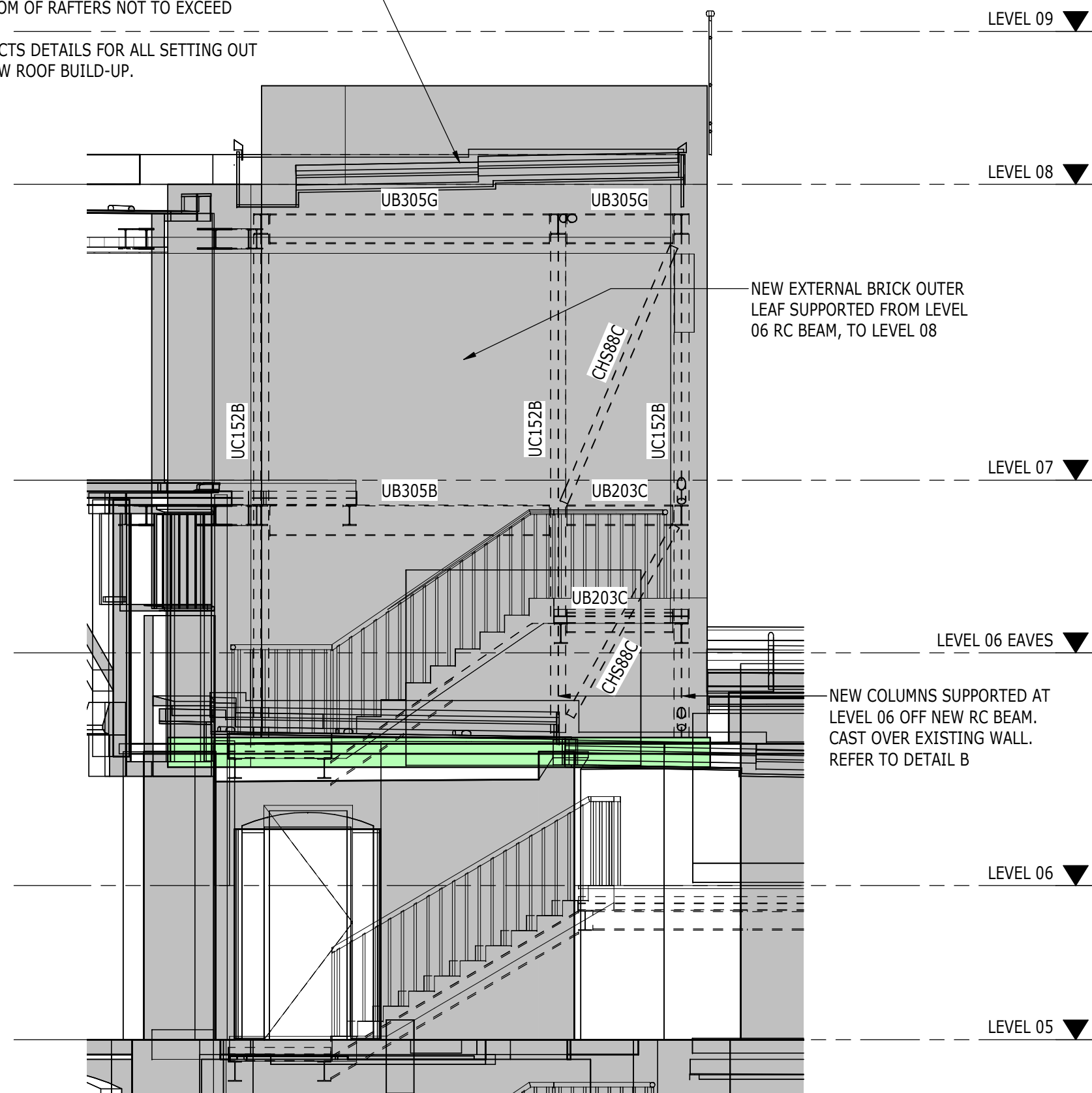
PRINCESS ST ELEVATION E1 - DETAIL A



SECTION
1 : 10
A1
S-4514

PRINCESS ST DETAIL A SECTION A1

RAFTERS TO SPAN PERPENDICULAR TO STEEL FRAME, FROM MIN 44x150 C24 @ MAX 400mm. MAXIMUM SPAN 2.4m FOR A TOTAL PERMANENT LOAD OF 1.5kN/m², AND VARIABLE LOAD OF 3.5kN/m² (SLS). NOTCHES TO BOTTOM OF RAFTERS NOT TO EXCEED 50mm DEPTH. REFER TO ARCHITECTS DETAILS FOR ALL SETTING OUT AND LEVELS TO NEW ROOF BUILD-UP.

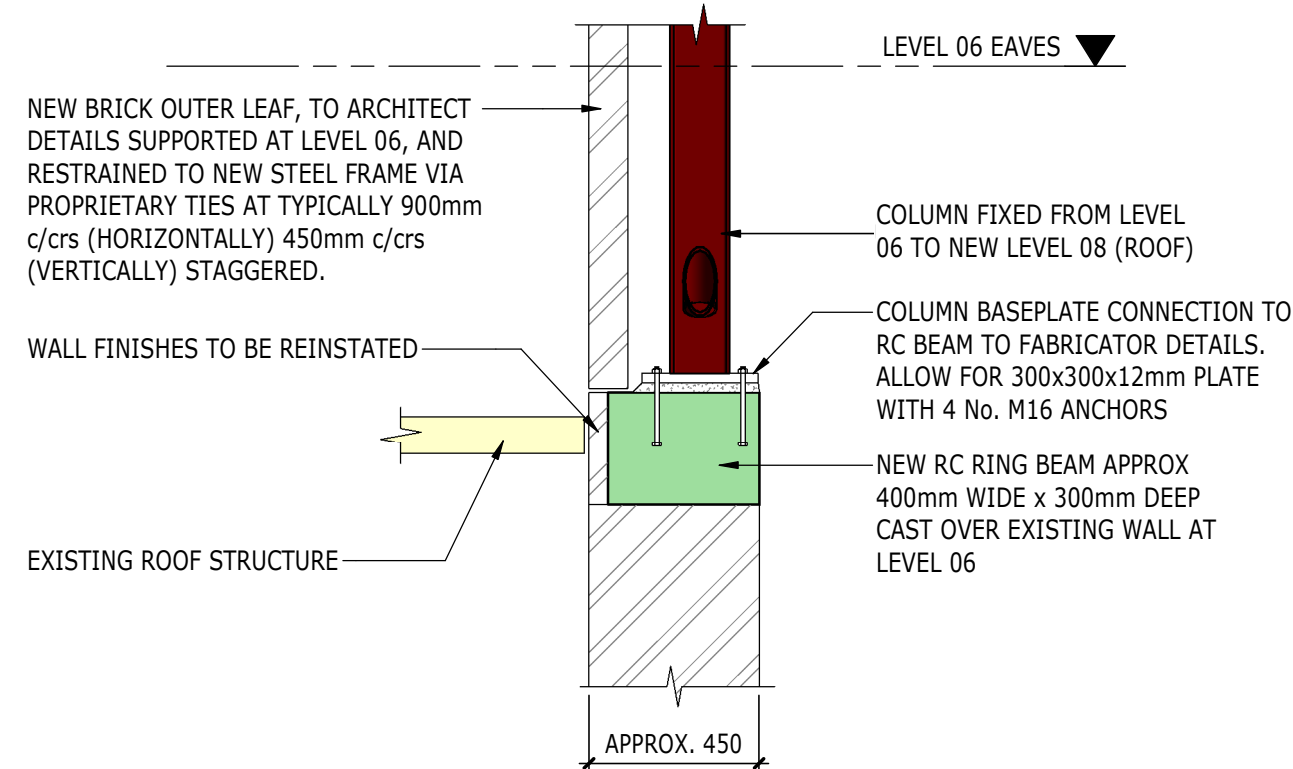


ELEVATION
1 : 50
E2
S-4014

PRINCESS ST ELEVATION E2

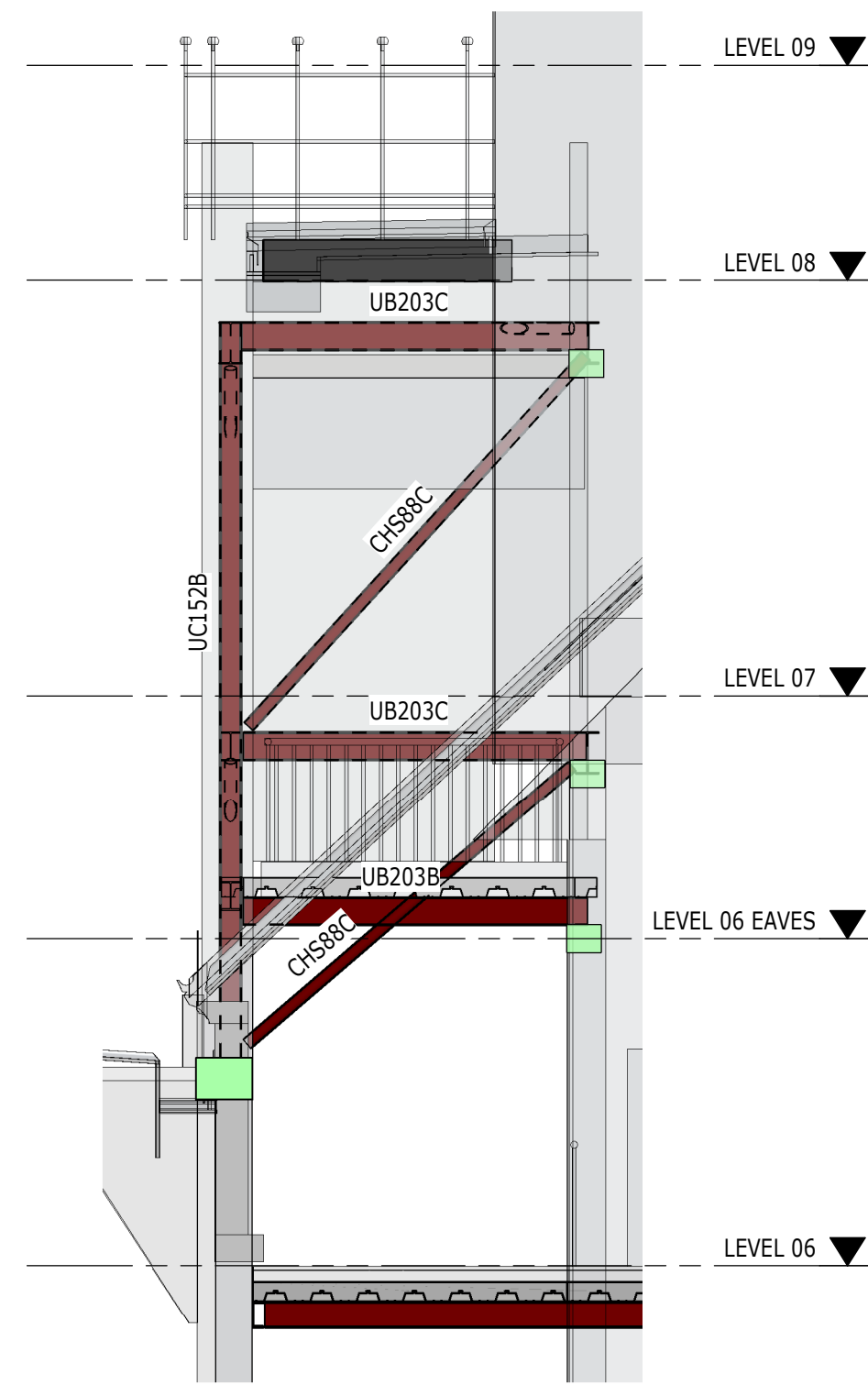
NOTE:
ALL DIMENSIONS/EXTENTS ARE TO BE CONFIRMED ON SITE. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ONSITE CONDITIONS AND ALLOW TIME FOR ENGINEER TO REVIEW.

RAFTERS TO SPAN PERPENDICULAR TO STEEL FRAME, FROM MIN 44x150 C24 @ MAX 400mm. MAXIMUM SPAN 2.4m FOR A TOTAL PERMANENT LOAD OF 1.5kN/m², AND VARIABLE LOAD OF 3.5kN/m² (SLS). NOTCHES TO BOTTOM OF RAFTERS NOT TO EXCEED 50mm DEPTH. REFER TO ARCHITECTS DETAILS FOR ALL SETTING OUT AND LEVELS TO NEW ROOF BUILD-UP.



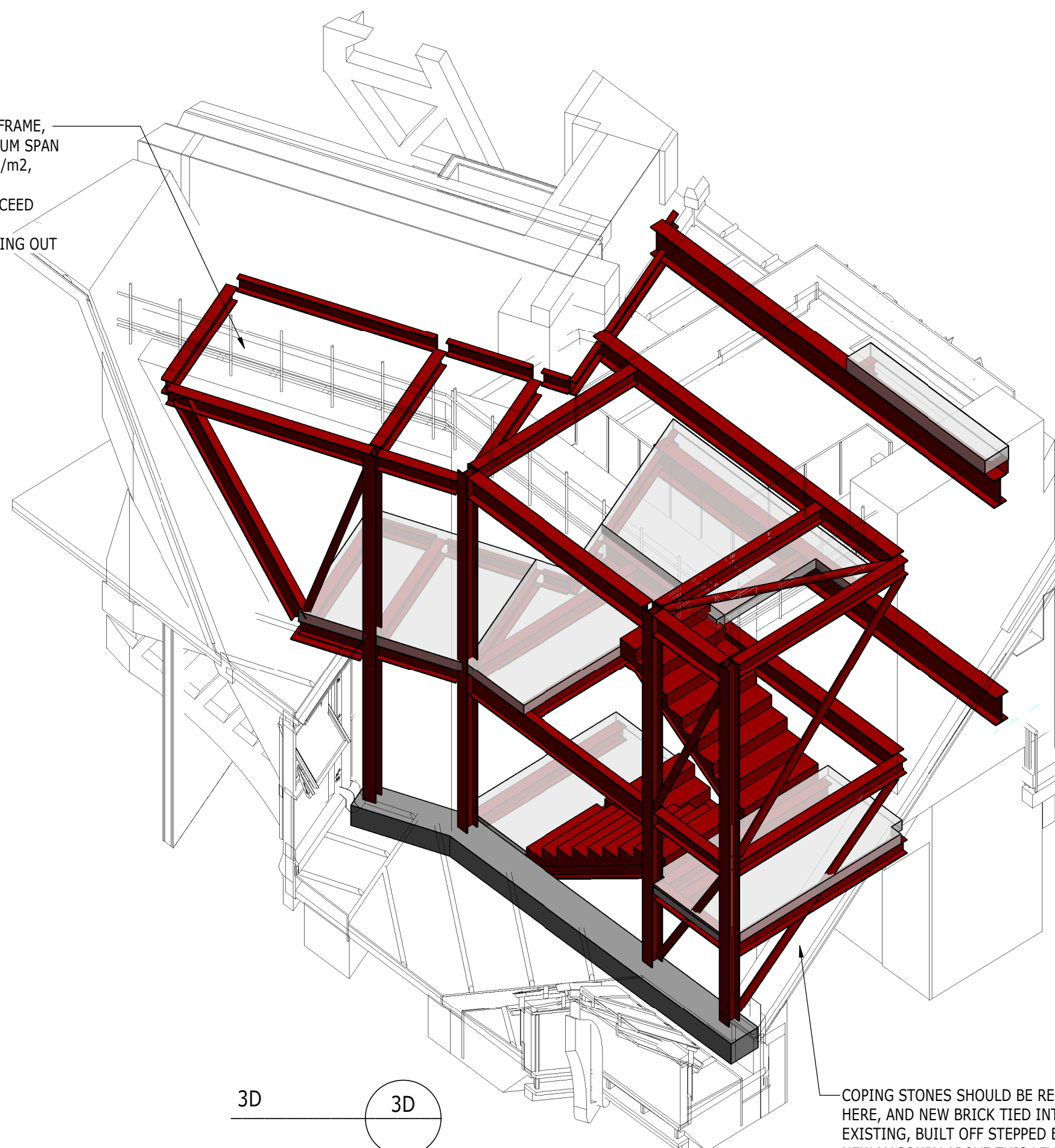
DETAIL
1 : 20
B
S-4014

PRINCESS ST LEVEL 06 DETAIL B



ELEVATION
1 : 50
E3
S-4014

PRINCESS ST ELEVATION E3



3D
3D
PRINCESS ST LEVEL 08

THIS DRAWING HAS SIGNIFICANTLY CHANGED FROM THE TENDER ISSUE, REFER TO PREVIOUS REVISION AND CHANGE TRACKER FOR THE LIST OF CHANGES.
THE STAIR PRESSURISATION DESIGN BY COLT HAS NOT YET BEEN CONCLUDED. AREAS OF THIS CORE ARE TO BE REVIEWED FOLLOWING THE OUTCOME OF THE DESIGN OPTIONS. THIS INCLUDES THE RISERS SHOWN IN ABEYANCE, THE STEEL & SLAB DESIGN AT UPPER LEVELS AND THE ROOF.

MEMBER CONNECTION FORCES

MEMBER REFERENCE	V	F
203UB	50	75
254UB	150	75
305UB	175	75
400UB	250	75
CH588	-	±25

V - DENOTES VERTICAL SHEAR FORCE (END REACTION)
F - DENOTES AXIAL FORCE IN MEMBER (TIE FORCE)

Scale Bars to be used as guidance only - refer to sheet size below									
1:100	mm		1000	3000	5000	7000			
1:200	mm			5000	8000	12000	16000		
1:500	mm		5	15	25	35			
1:1250	M		10	30	50	70	90		

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 S355JO
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 & S-1001 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 & 1001

KEY

DENOTES EXTENT OF NEW SLAB. REFER TO DRAWING OTH-RAM-TH-XX-DWG-S-5002 FOR NEW SLAB CONSTRUCTION DETAILS

DENOTES EXISTING DENNET SLAB ABOVE TO BE RETAINED, AND ASSUMED SPAN DIRECTION. DASHED LINE INDICATES APPROXIMATE LOCATION OF EXISTING BEAMS BASED UPON ARCHIVE INFORMATION, VISUAL & INTRUSIVE INVESTIGATIONS.

NOTE: BOTH TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION

DENOTES AREA OF DEMOLITION

DENOTES LOCATION OF PADSTONE. REFER TO DRAWING S-0015 FOR SIZES, UNLESS NOTED OTHERWISE. FOR PADSTONE DETAILS SEE DRAWING S-5001

DENOTES NEW LIFT SHAFT WALLS. REFER TO SECTION DRAWINGS FOR LINTEL REQUIREMENTS

DENOTES CUT / DEMOLISHED LINE AND EXTENT OF TEMPORARY PROPPING. ALL PROPPING FORCES FOR MIN 15kN/m (SLS) AT SLAB EDGES UNO ON GA DRAWINGS

DENOTES EXISTING BEAMS WITHIN FLOOR CONSTRUCTION. WHERE BEAMS ARE TO BE CUT / PARTIALLY REMOVED, CONTRACTOR TO REVIEW TEMPORARY PROPPING PROPOSALS. ALL PROPPING FORCES FOR MIN 50kN (SLS) AT BEAM LOCATIONS UNO ON GA DRAWINGS

C01	24/06/2021	PM	JP	CONSTRUCTION ISSUE
T02	14/02/2020	PM	JP	GENERAL NOTES UPDATE, AS CLOUDED
T01	20/09/2019	PM	JC	STAGE 4 ISSUE
ISSUE	DATE	APPROVED	DRAWN	DESCRIPTION

OUR TOWN HALL PROJECT

RAMBOLL

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www.Ramboll.com

PROJECT STATUS	STAGE 5
CLIENT	MANCHESTER CITY COUNCIL
PROJECT	OUR TOWN HALL PROJECT
DRAWING TITLE	PRINCESS STREET SECTIONS & DETAILS SHEET 4
SIZE & SCALE	A1: AS SHOWN
DRAWING STATUS	S4 - CONSTRUCTION
JOB NUMBER	1620003165
DRAWING NO.	OTH-RAM-TH-ZZ-DWG-S-4514 C01
REV	