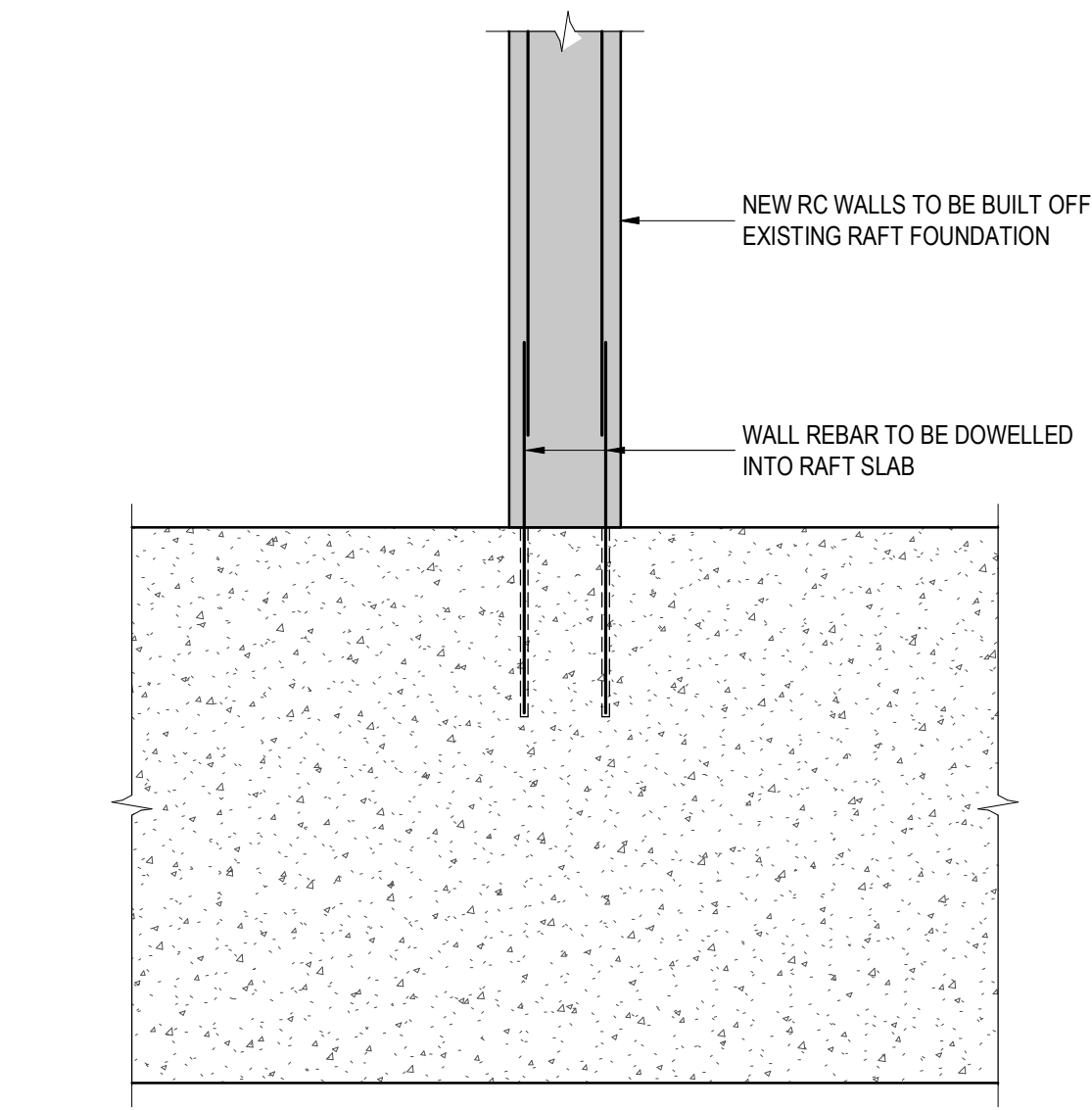
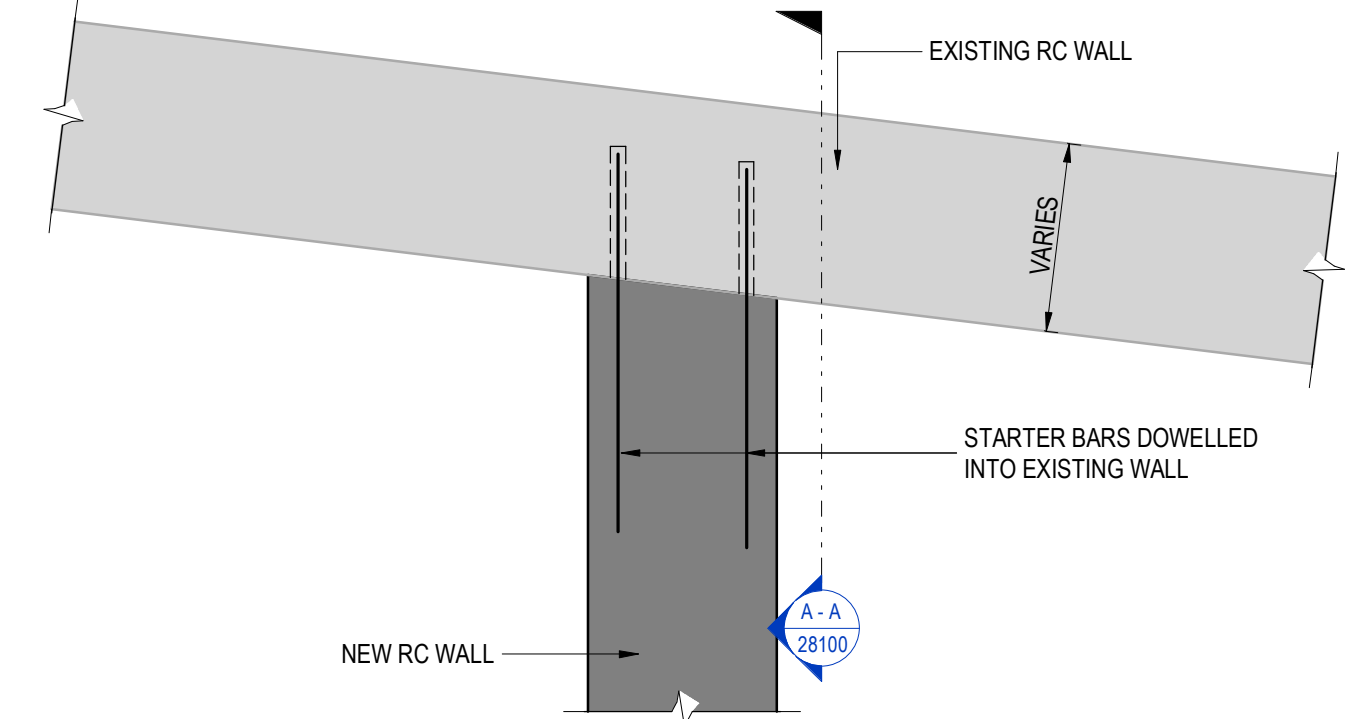


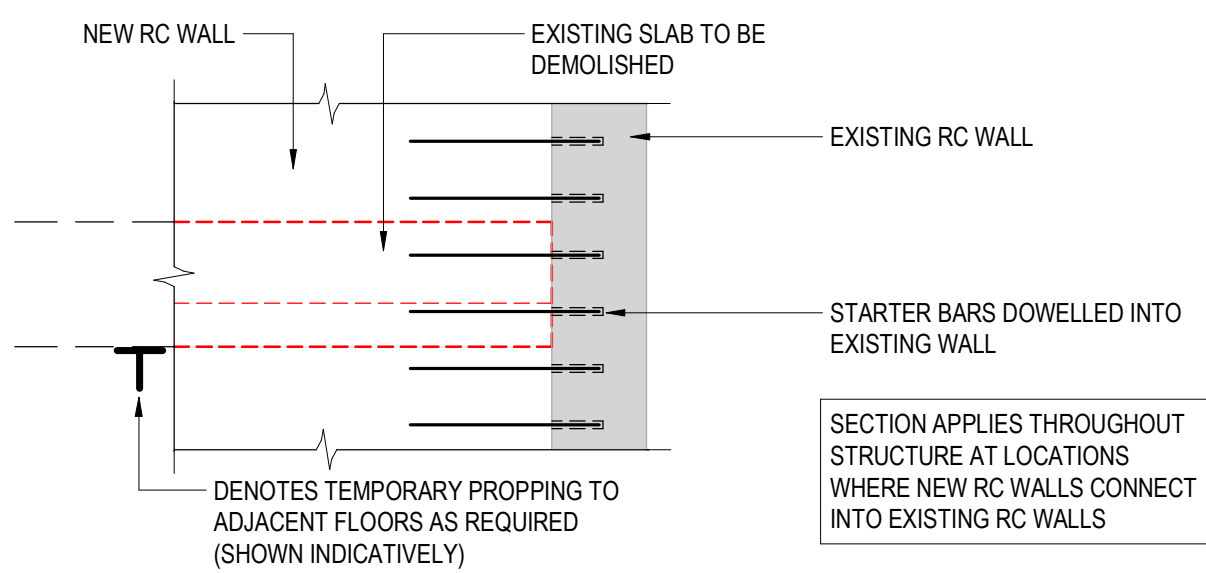


DETAIL 1
CONNECTION OF NEW CONCRETE WALL TO SLAB
SCALE: 1:20

- PODIUM EXTENSION - INTRODUCTION OF WALLS WITHIN THE BUNKER**
1. CAREFULLY REMOVE ANY FINISHES / CEILINGS TO ALLOW THE INTRODUCTION OF THE NEW WALLS
 2. PERFORM A FERROSCAN ON THE SURFACE OF THE SLABS ABOVE AND BELOW TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
 3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED POSITIONS OF THE DOWEL BARS THE FLOOR AND ROOF SLABS
 4. DRILL HOLES INTO THE SLABS TO RECEIVE DOWEL BARS
 5. INSTALL DOWEL BARS AND FIX WITH RESIN ANCHORS
 6. PROVIDE SHUTTERING AND POUR IN-SITU CONCRETE TO FORM WALLS
 7. FOLLOWING CURING OF THE CONCRETE, STRIKE THE FORMWORK
 8. APPLY ANY REQUIRED SURFACE FINISHES

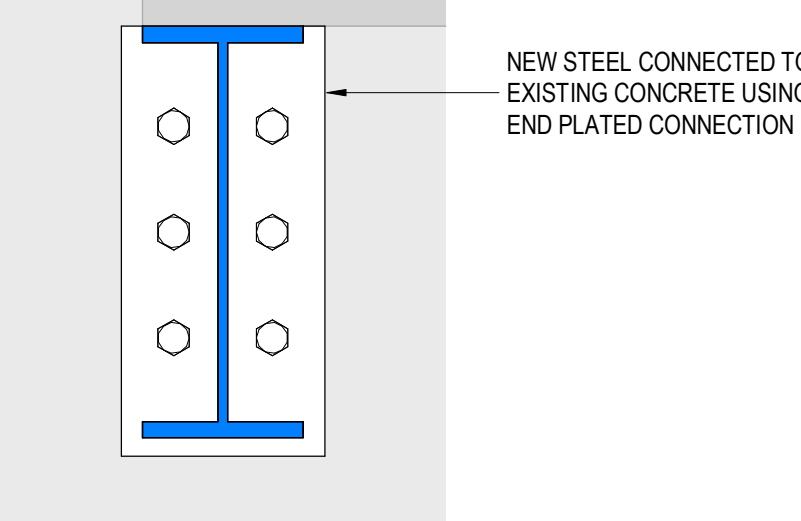


DETAIL 5
CONNECTION OF NEW RC WALL TO EXISTING CONCRETE WALL
SCALE: 1:10



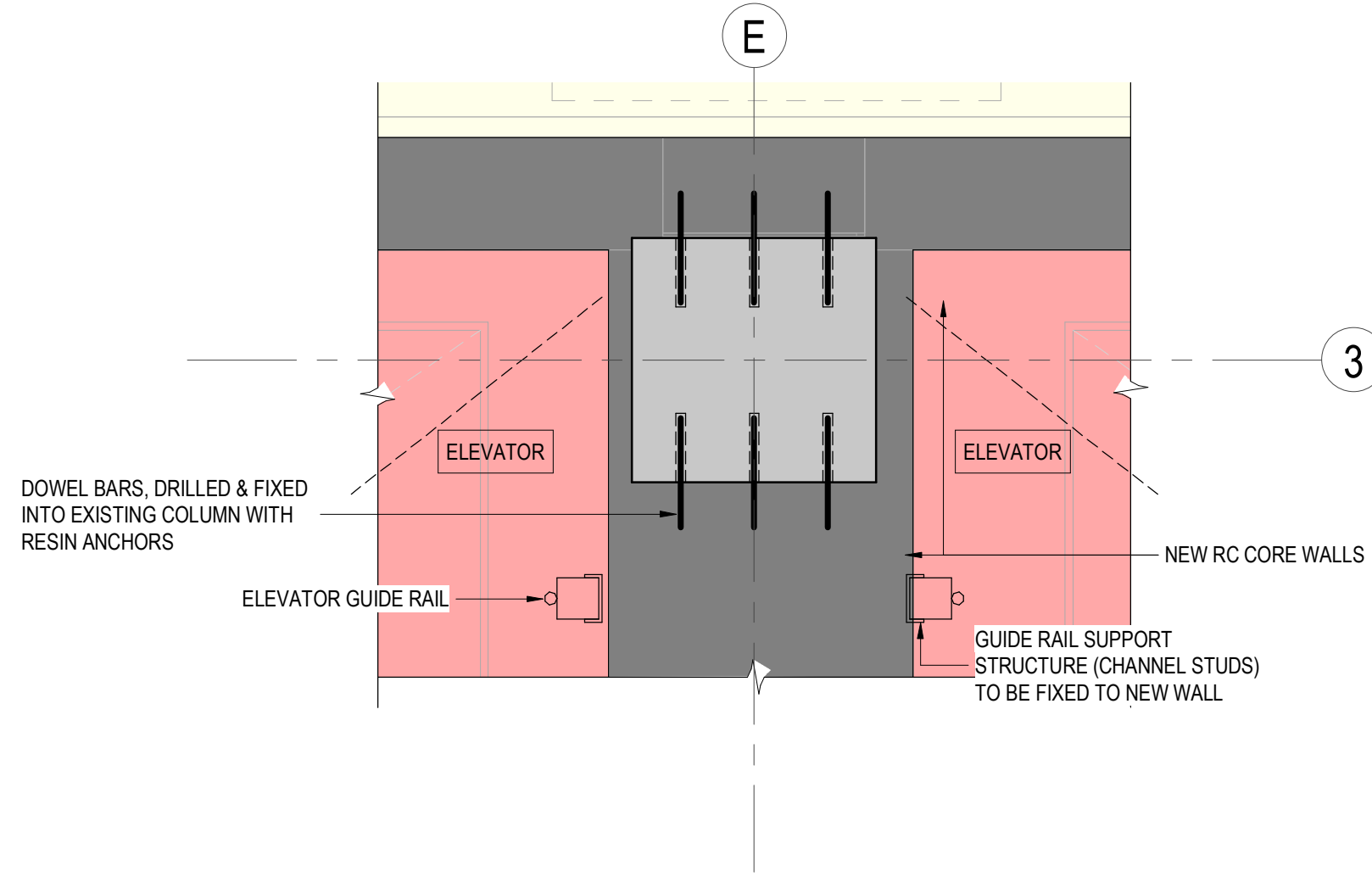
SECTION A-A
SCALE: 1:20

- NEW LIFTS TO THE PODIUM CORES**
1. CAREFULLY REMOVE FLOOR FINISHES AND / OR CEILINGS AS NECESSARY AND SET ASIDE FOR REUSE WHERE REQUIRED
 2. PROVIDE TEMPORARY PROPPING TO THE ADJACENT FLOORS AS REQUIRED
 3. MARK OUT AND CAREFULLY BREAK DOWN ANY EXISTING CONCRETE WALLS WHICH ARE TO BE REMOVED
 4. TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 5. DRILL HOLES AS NECESSARY TO RECEIVE DOWEL BARS
 6. FIX DOWEL BARS USING RESIN ANCHORS
 7. PROVIDE SHUTTERING AND POUR NEW RC WALLS TO FORM LIFT SHAFT(S)
 8. FOLLOWING CURING OF THE CONCRETE, STRIKE THE FORMWORK
 9. REINSTATE ANY FINISHES AS REQUIRED AND MAKE GOOD THE INTERFACE BETWEEN THE NEW AND EXISTING PORTIONS OF STRUCTURE.



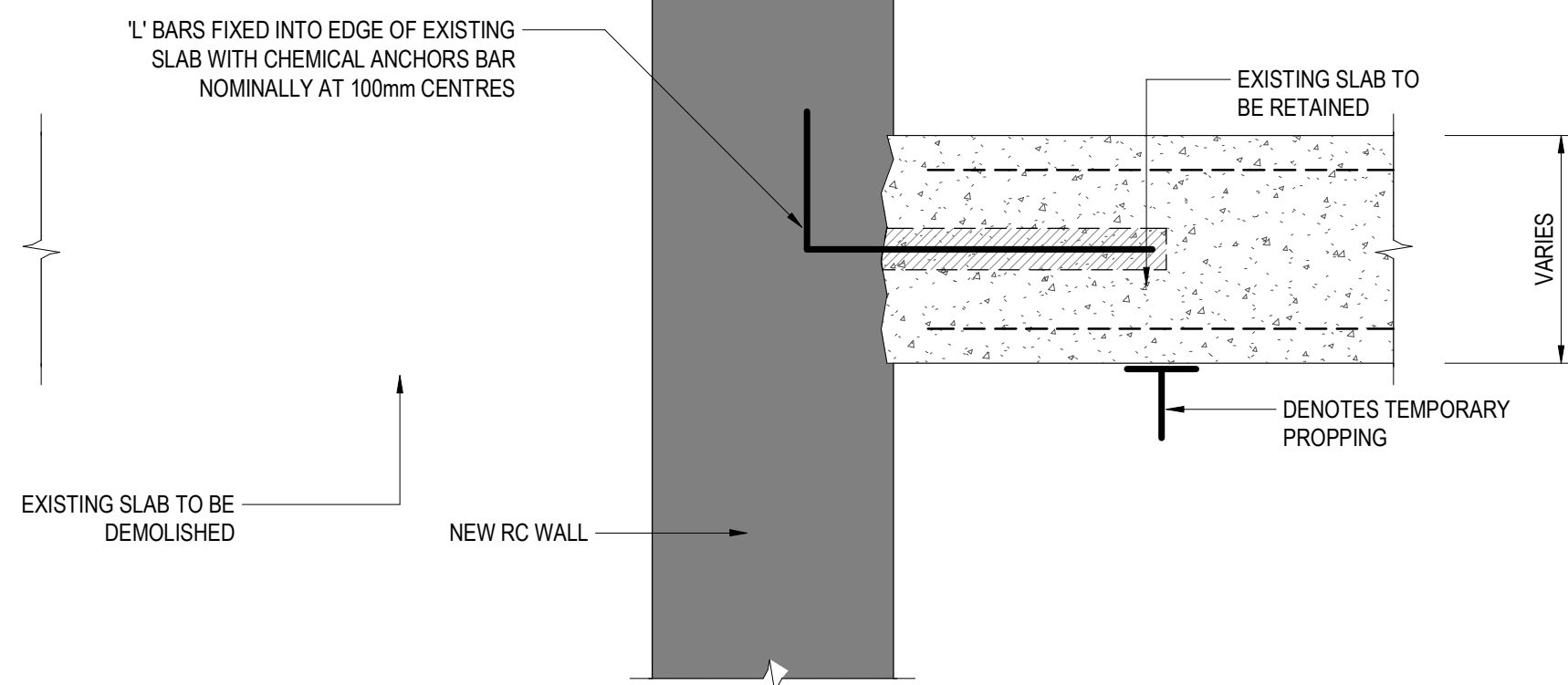
DETAIL 9
NEW STEEL TO EXISTING CONCRETE CONNECTION
SCALE: 1:10

1. CAREFULLY REMOVE FINISHES AS NECESSARY AND SET ASIDE FOR REUSE IF REQUIRED
2. PERFORM A FERROSCAN ON THE SURFACE OF THE COLUMN AND TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT WHICH MAY BE PRESENT
3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED POSITIONS OF THE FIXINGS
4. AS REQUIRED, DRILL HOLES INTO THE COLUMN FACES IN ORDER TO RECEIVE FIXINGS
5. LIFT NEW STEEL BEAMS INTO PLACE AND INSTALL RESIN ANCHORS
6. APPLY / REINSTATE FINISHES AS REQUIRED



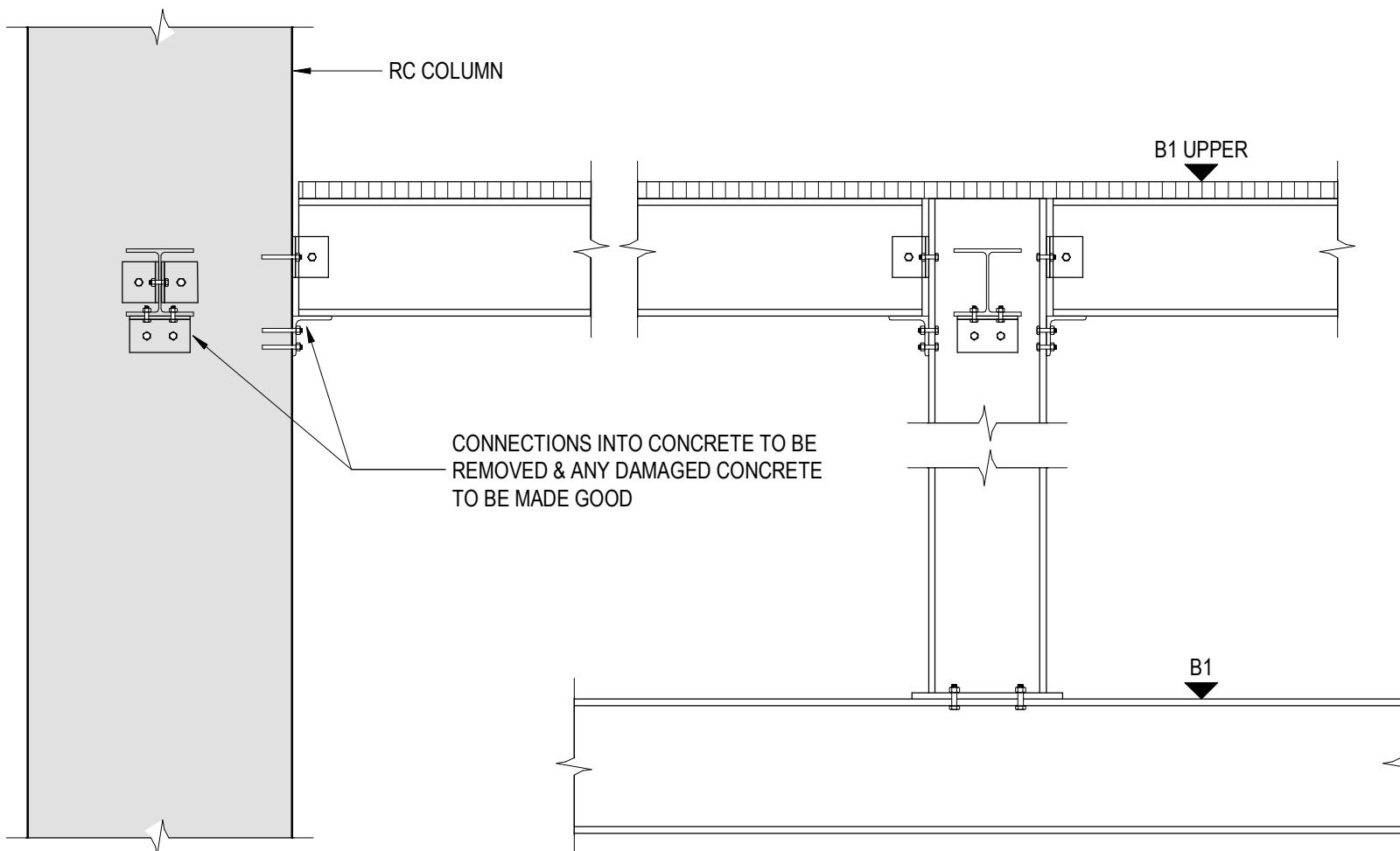
DETAIL 2
CONNECTION OF NEW CONCRETE TO EXISTING COLUMN
SCALE: 1:20

- DETAIL ON COLUMN E6 WITH NEW RC CORE WALLS BUILT AROUND EXISTING COLUMN**
1. CAREFULLY REMOVE ANY FLOOR FINISHES AND COLUMN FINISHES IN THE AREAS TO BE REMOVED
 2. MARK OUT THE REQUIRED PORTIONS OF FLOOR TO BE REMOVED
 3. PROVIDE TEMPORARY PROPPING AS NECESSARY
 4. REMOVE THE REQUIRED AREAS OF FLOOR TAKING CARE TO AVOID ANY OVERBREAK
 5. TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 6. AS REQUIRED, DRILL HOLES INTO THE EDGE OF THE ADJACENT REMAINING FLOOR STRUCTURE AND THE EXISTING COLUMN E6 TO RECEIVE DOWEL BARS
 7. INSTALL DOWEL BARS AND FIX WITH RESIN ANCHORS
 8. PROVIDE SHUTTERING AND POUR NEW RC WALLS TO FORM LIFT / STAIR CORE(S)
 9. FOLLOWING CURING OF THE CONCRETE, STRIKE THE FORMWORK
 10. REINSTATE ANY FINISHES AS REQUIRED AND MAKE GOOD THE INTERFACE BETWEEN THE NEW AND EXISTING PORTIONS OF STRUCTURE.



DETAIL 6
TRIMMING EXISTING SLAB FOR NEW CORE
SCALE: 1:10

- INTRODUCTION OF NEW LIFT / STAIR CORES**
1. CAREFULLY REMOVE ANY FLOOR FINISHES AND / OR CEILINGS IN THE AREAS TO BE REMOVED
 2. MARK OUT THE REQUIRED PORTIONS OF FLOOR TO BE REMOVED
 3. PROVIDE TEMPORARY PROPPING AS NECESSARY
 4. REMOVE THE REQUIRED AREAS OF FLOOR TAKING CARE TO AVOID ANY OVERBREAK
 5. TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 6. AS REQUIRED, DRILL HOLES INTO THE EDGE OF THE ADJACENT REMAINING FLOOR STRUCTURE TO RECEIVE DOWEL BARS
 7. INSTALL DOWEL BARS AND FIX WITH RESIN ANCHORS
 8. PROVIDE SHUTTERING AND POUR NEW RC WALLS TO FORM LIFT / STAIR CORE(S)
 9. FOLLOWING CURING OF THE CONCRETE, STRIKE THE FORMWORK
 10. REINSTATE ANY FINISHES AS REQUIRED AND MAKE GOOD THE INTERFACE BETWEEN THE NEW AND EXISTING PORTIONS OF STRUCTURE.

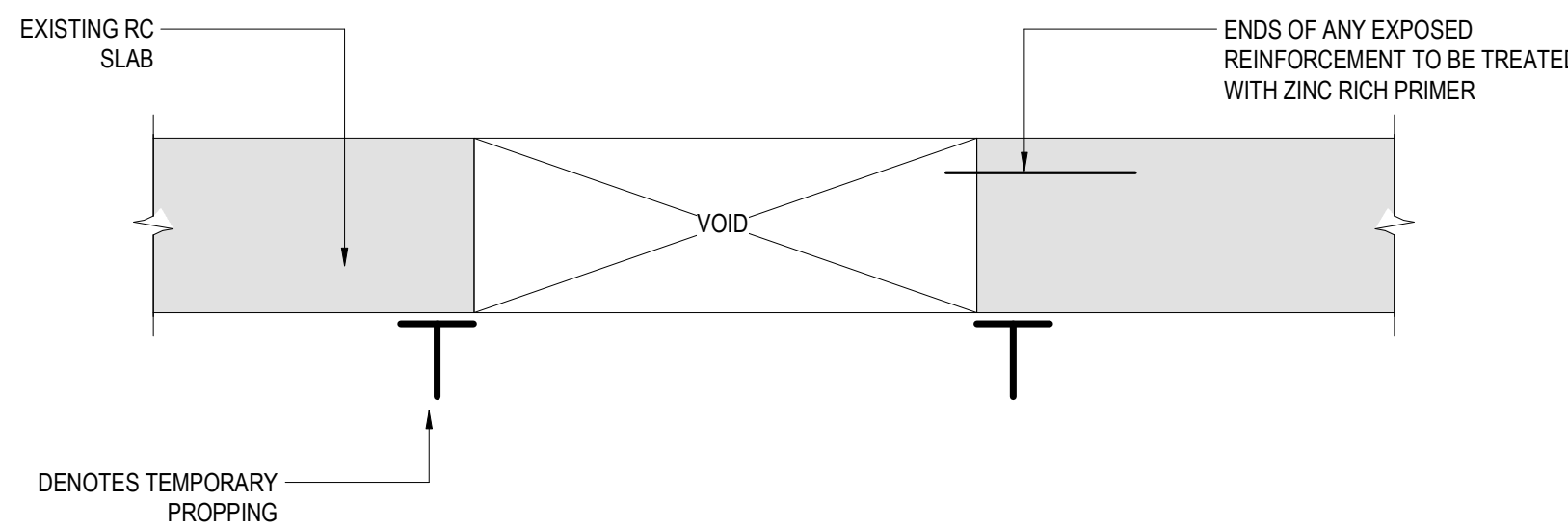


DETAIL 10
B1 STEELWORK REMOVAL DETAIL
SCALE: 1:20

- PARTIAL REMOVAL OF LEVEL B01 (UPPER) & B1**
1. PROVIDE TEMPORARY PROPPING AS NECESSARY
 2. AS REQUIRED, REMOVE EXISTING PAINT FINISHES TO ALLOW DEMOLITION
 3. WHERE POSSIBLE, REMOVE THE STEEL MEMBERS BY LOOSENING THE BOLTS AT CONNECTION POINTS, WHERE THIS IS NOT POSSIBLE, CAREFULLY CUT THE STEEL MEMBERS, TAKING CARE NOT TO DAMAGE THOSE PORTIONS OF STEELWORK WHICH ARE TO REMAIN
 4. WHERE MEMBERS ARE CONNECTED INTO THE PRIMARY STRUCTURAL FRAME, CAREFULLY BREAK OUT THE ENCASED CONCRETE AT THE POINT OF CONNECTION AND CAREFULLY REMOVE THE MEMBERS FORMING THE REDUNDANT CONNECTION
 5. WHERE THE CONCRETE ENCASEMENT HAS BEEN BROKEN OUT TO ALLOW DEMOLITION, REINSTATE WITH A SUITABLE PATCHING MORTAR (SEE METHOD STATEMENT ASSOCIATED WITH DETAIL XX)
 6. AS NECESSARY, REINSTATE COLUMN FINISHES

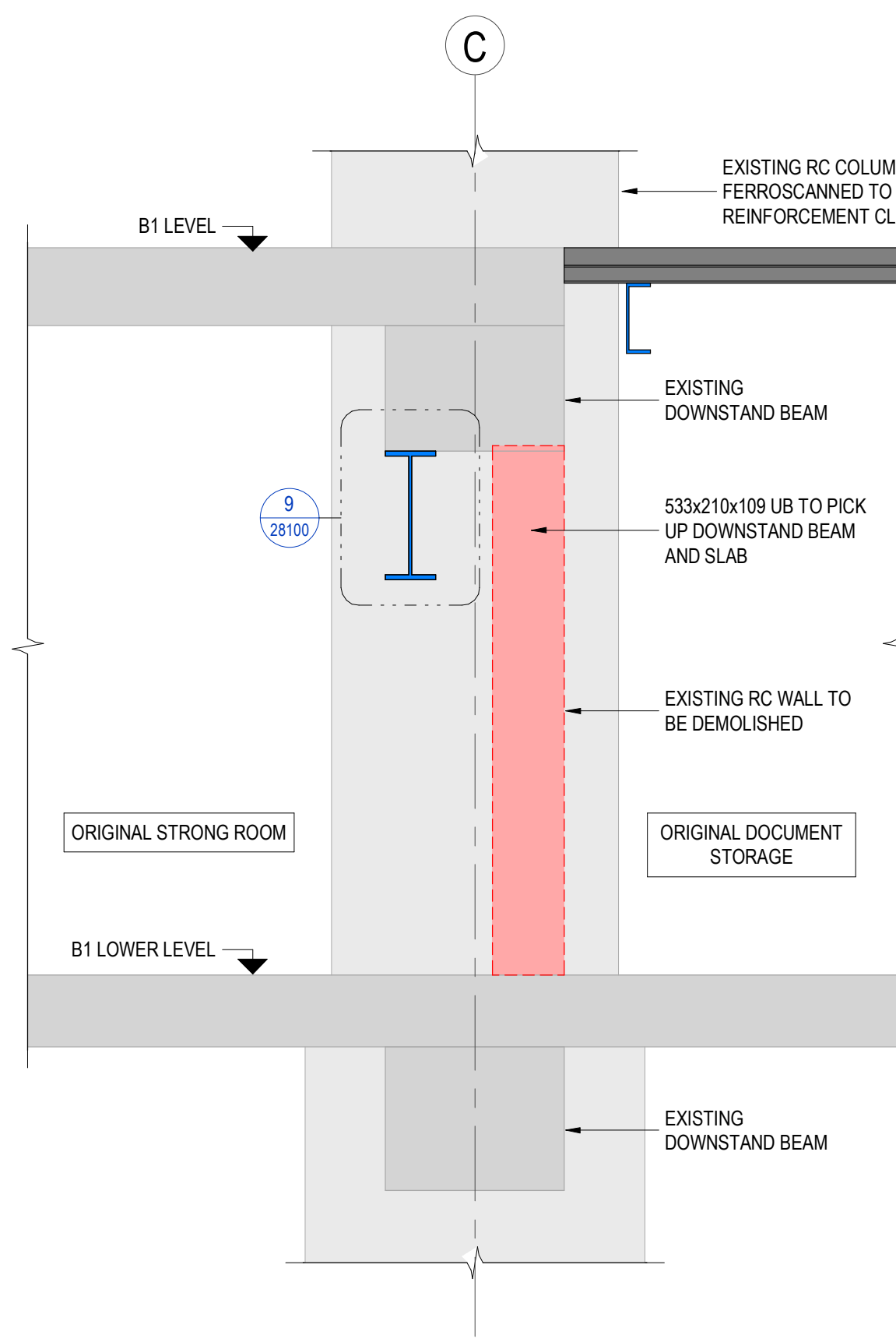
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DETAIL 3

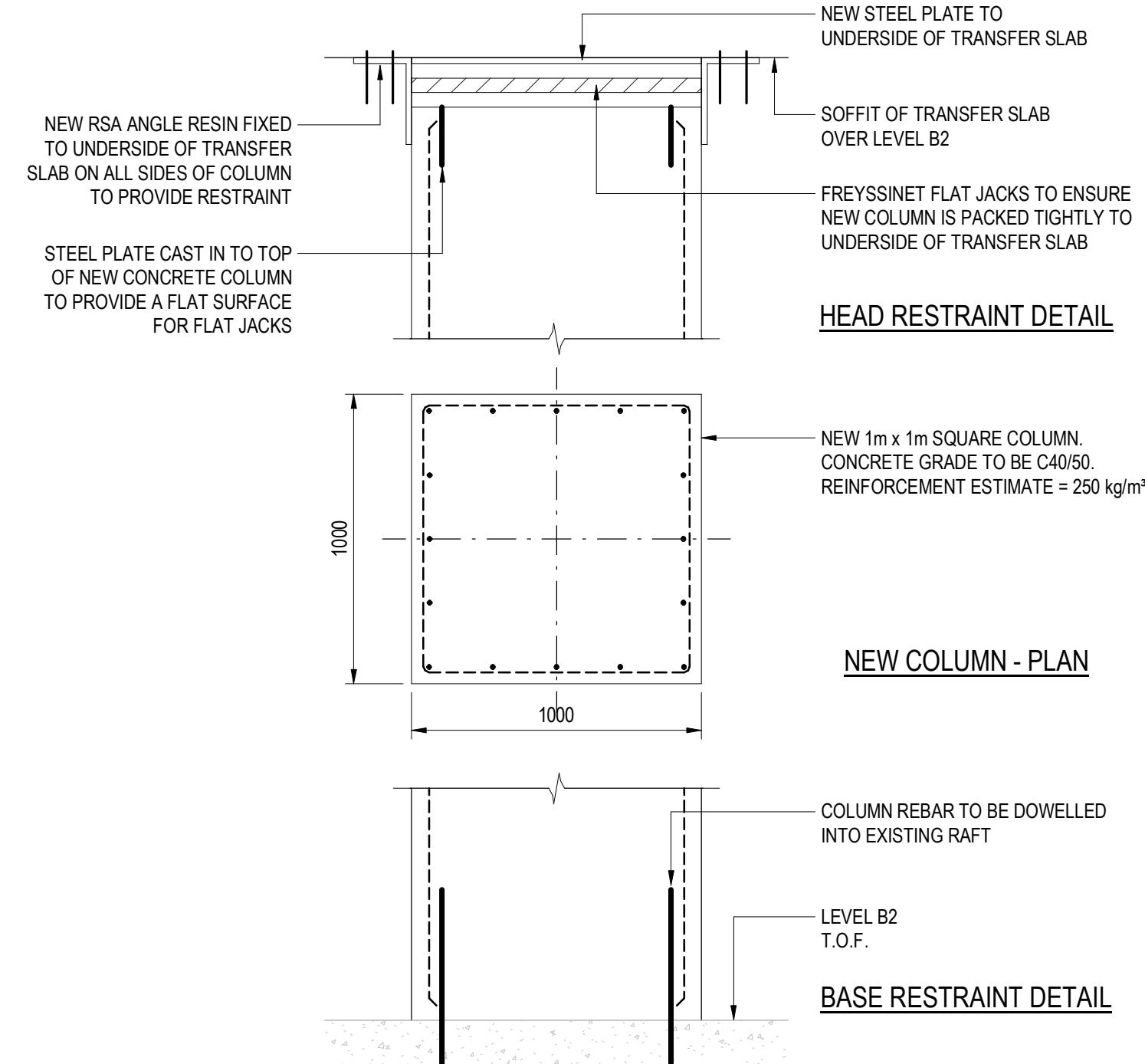


DETAIL 7
FORMING VOIDS IN FLOORS (PODIUM)
SCALE: 1:10

- FORMING VOIDS IN FLOORS (PODIUM)**
- NOTE: FOR LARGE VOIDS, THE METHOD OF CONSTRUCTION WOULD BE AS PER THAT FOR THE INTRODUCTION OF NEW LIFT / STAIR CORES. THIS METHOD STATEMENT IS INTENDED FOR THE FORMATION OF VOIDS OF MAXIMUM SIZE 300MM X 300MM.
1. CONFIRM THE SIZE AND POSITION OF THE PROPOSED FLOOR VOID IS ACCEPTABLE TO THE STRUCTURAL ENGINEER
 2. PERFORM A FERROSCAN ON THE SURFACE OF THE SLAB TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
 3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED VOID ON THE FLOOR SLAB
 4. CAREFULLY REMOVE THE CONCRETE FROM THE PROPOSED VOID
 5. TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 6. INSTALL ANY FIRESTOPPING WHICH MAY BE REQUIRED
 7. CONSTRUCT ANY ENCLOSING WALLS TO THE VOID BETWEEN FLOOR SLABS
 8. REINSTATE CEILINGS AND FINISHES AS NECESSARY

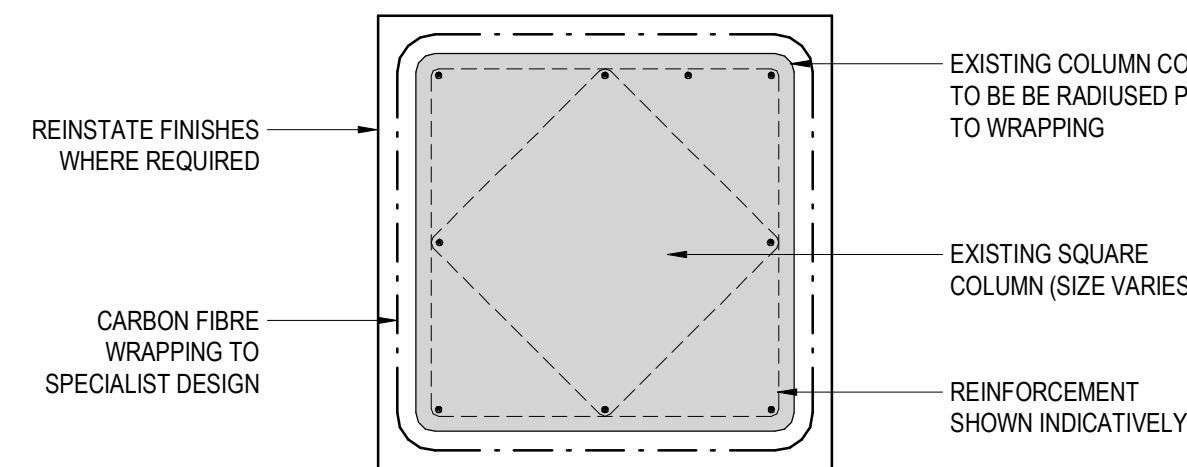


DETAIL 11
STRONG ROOM WALL REMOVAL
SCALE: 1:25



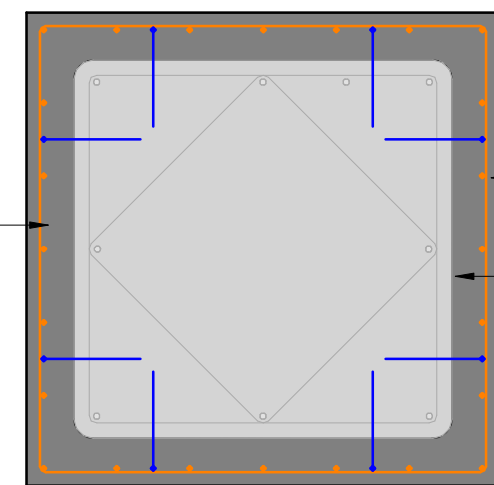
DETAIL 4
CONNECTION OF NEW COLUMN TO EXISTING CONCRETE
SCALE: 1:20

- PODIUM EXTENSION - INTRODUCTION OF COLUMNS WITHIN THE BUNKER**
1. CAREFULLY REMOVE ANY FINISHES / CEILINGS TO ALLOW THE INTRODUCTION OF THE NEW COLUMNS
 2. PERFORM A FERROSCAN ON THE SURFACE OF THE SLABS ABOVE AND BELOW TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
 3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED POSITIONS OF THE DOWEL BARS THE FLOOR AND ROOF SLABS
 4. DRILL HOLES INTO THE SLABS TO RECEIVE DOWEL BARS
 5. INSTALL DOWEL BARS AND FIX WITH RESIN ANCHORS
 6. PROVIDE SHUTTERING AND POUR IN-SITU CONCRETE TO FORM COLUMNS
 7. FOLLOWING CURING OF THE CONCRETE, STRIKE THE FORMWORK
 8. APPLY ANY REQUIRED SURFACE FINISHES



DETAIL 8
CARBON FIBRE WRAPPING OF EXISTING COLUMNS
SCALE: 1:20

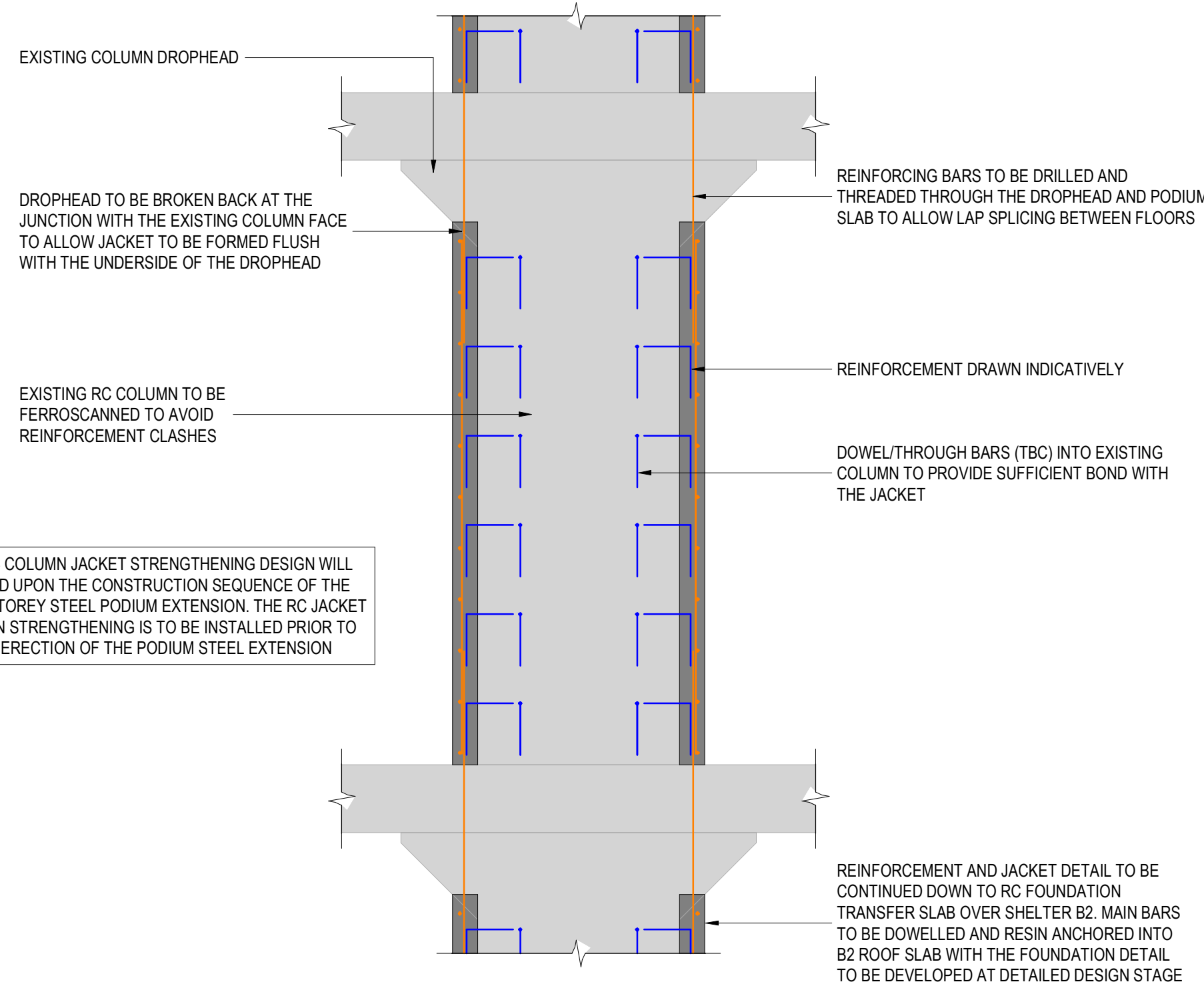
- PODIUM EXTENSION - CARBON FIBRE WRAPPING OF EXISTING COLUMNS**
1. CAREFULLY REMOVE ANY FINISHES AND SET ASIDE FOR REUSE WHERE NECESSARY
 2. PREPARE THE COLUMN BY ROUNDING THE CORNERS, TAKING CARE NOT TO EXPOSE ANY REINFORCEMENT
 3. APPLY ANY SURFACE PREPARATIONS REQUIRED FOR CARBON-FIBRE WRAPPING
 4. APPLY CARBON FIBRE WRAPPING
 5. REINSTATE FINISHES WHERE REQUIRED



DETAIL 8B - PLAN
CONCRETE JACKET STRENGTHENING OF EXISTING COLUMNS
SCALE: 1:20

- CONCRETE JACKET TO BE MINIMUM 125mm TBC DETAILED DESIGN OF ALL COLUMNS TO BE UNDERTAKEN AT THE NEXT DESIGN STAGE TO DETERMINE THICKNESS OF REQUIRED JACKET**

- PODIUM EXTENSION - CONCRETE JACKET STRENGTHENING OF EXISTING COLUMNS**
1. CAREFULLY REMOVE ANY FINISHES AND SET ASIDE FOR REUSE WHERE NECESSARY
 2. PERFORM A FERROSCAN ON THE SURFACE OF THE EXISTING COLUMN, DROPHEAD AND PODIUM SLAB TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
 3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK AND BREAK OUT THE BOTTOM EDGE OF THE DROPHEAD TO A POINT SUFFICIENT TO ALLOW THE JACKET TO BE FORMED FLUSH WITH THE UNDERSIDE OF THE DROPHEAD
 4. FROM THE RESULTS OF THE FERROSCAN, MARK OUT AND DRILL THROUGH THE EXISTING COLUMN DROPHEAD AND PODIUM SLABS TO ALLOW FOR THE PLACING AND SPICING OF THE MAIN BARS OF THE JACKET
 5. DRILL HOLES INTO EXISTING COLUMNS TO RECEIVE DOWELS OR THROUGH BARS (TBC FOLLOWING DETAILED DESIGN IN THE NEXT STAGE) TO BE FIXED WITH RESIN ANCHORS, AS REQUIRED
 6. PREPARE THE SURFACE OF THE EXISTING COLUMN TO ENSURE THE JACKET HAS A CLEAN BASE, TO FURTHER ENHANCE THE BOND CONDITIONS WITH THE JACKET, ROUGHEN THE EXISTING SURFACE, TAKING CARE NOT TO EXPOSE ANY REINFORCEMENT
 7. TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 8. JACKET MAIN BARS AND STIRRUPS TO BE INSTALLED, AS REQUIRED AND CONCRETE TO BE POURED TO FORM THE JACKET
 9. FOLLOWING CURING OF THE CONCRETE, STRIKE THE FORMWORK
 10. REINSTATE FINISHES WHERE REQUIRED AND MAKE GOOD THE INTERFACE BETWEEN THE NEW AND EXISTING ELEMENTS OF STRUCTURE

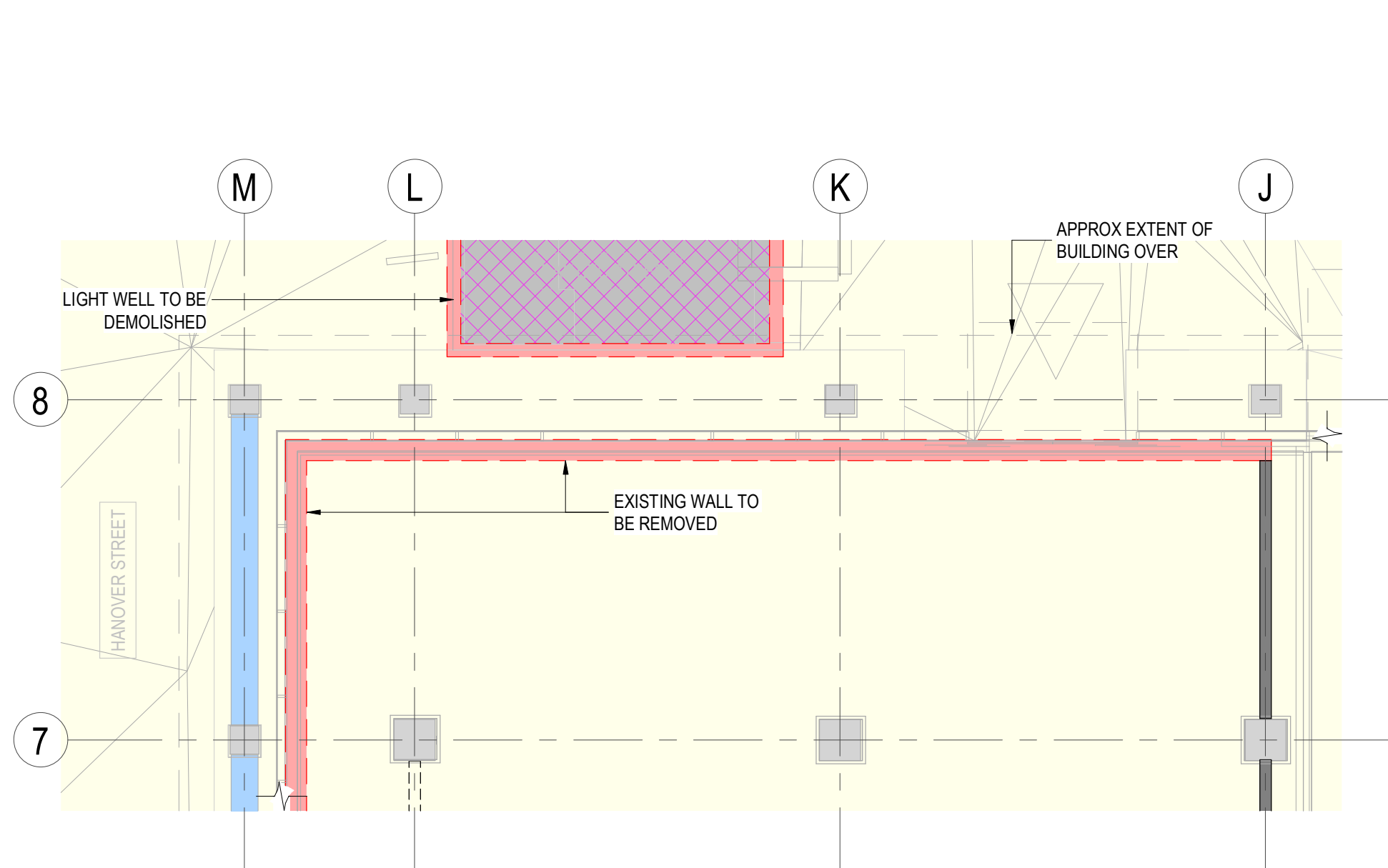


DETAIL 8B - SECTION
CONCRETE JACKET STRENGTHENING OF EXISTING COLUMNS
SCALE: 1:25

GENERAL NOTES:

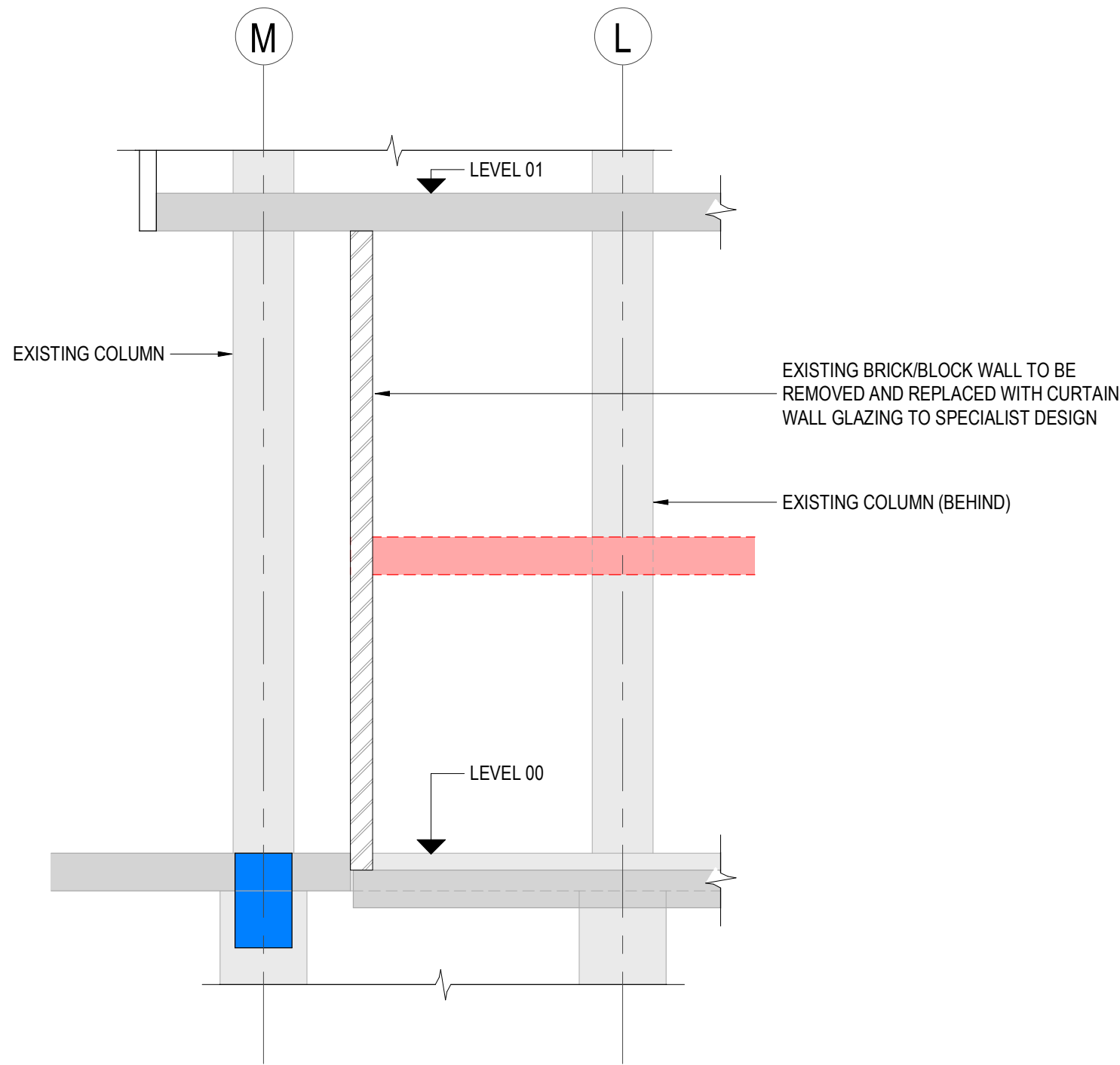
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
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3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING.

PROJ	STAGE 2	20.03.25	SW	KG
P01	DRAFT STAGE 2	14.03.25	SW	KG
Rev	Description	Date	By	Chd
Curtins				
Merchant Exchange, 17-19 Whitehall Street West, Manchester, M1 5WG 0161 236 2384 merchandise@curtins.com www.curtins.com				
Status: STAGE 2				
Project: PROJECT SAM				
Orig Title: STRUCTURAL ALTERATION DETAILS FOR BUILDING CONSENT SHEET 1				
Drawn By	Designed By	Checked By	MA	
SW	KG			
Date		MAR 25	Scale @ 40	As Indicated
Project No - Originator - Function - Spatial - Form - Discipline - Number				
085832 - CUR - 00 - ZZ - D - S - 28100				
P02				

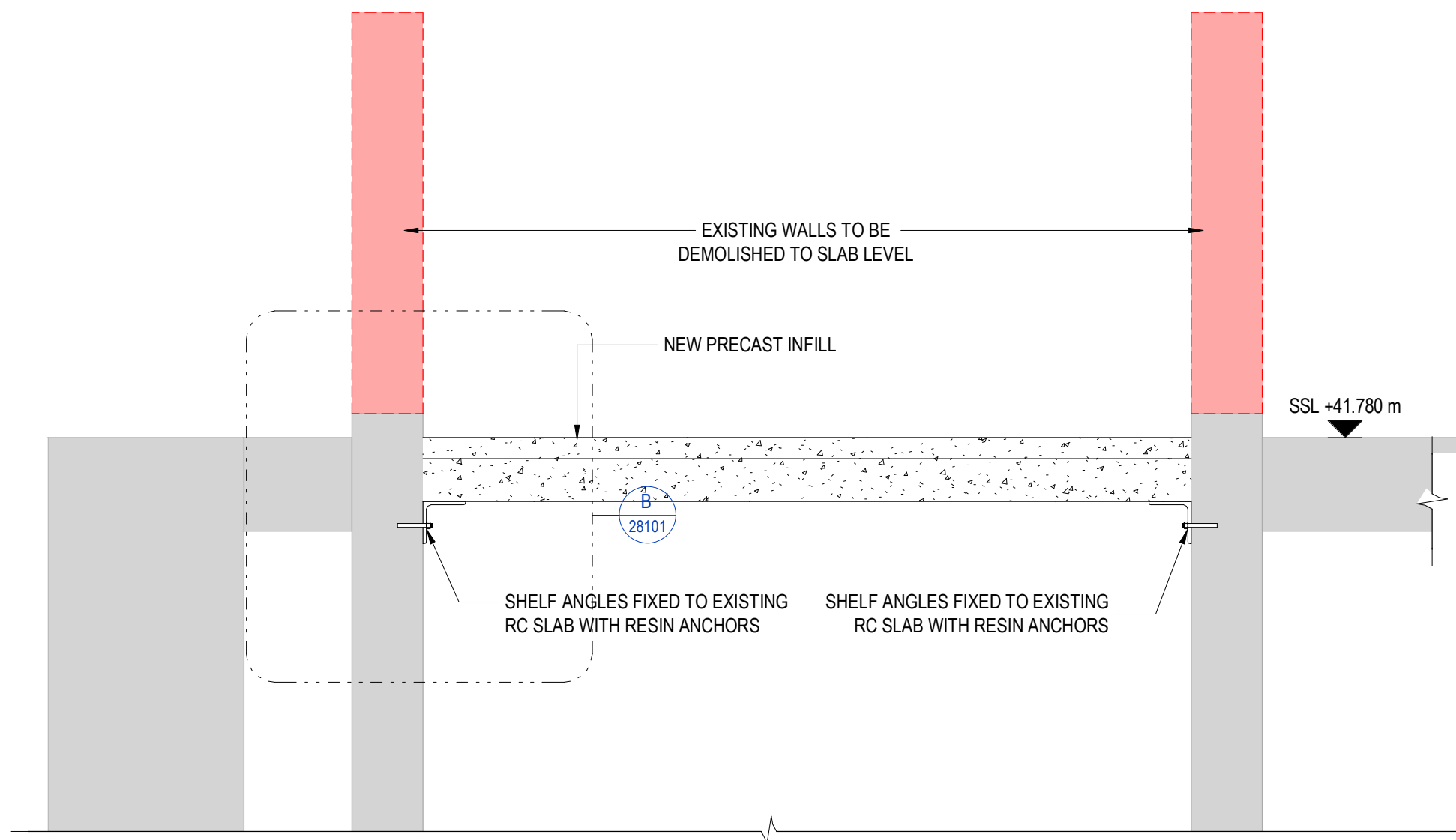


DETAIL 12
DEMOLITION OF EXISTING MASONRY WALL
SCALE: 1: 100

- REMOVAL OF WALL PANELS ON DANTZIC STREET / HANOVER STREET
1. REMOVE ANY EXISTING DOORS OR WINDOWS AND SET ASIDE AS NECESSARY
 2. CAREFULLY REMOVE EXISTING WALL FINISHES TO THOSE PANELS TO BE REMOVED (IF REQUIRED FOR REUSE ELSEWHERE) AND REMOVE FINISHES TO AREAS IMMEDIATELY ADJACENT WHICH ARE TO REMAIN
 3. DEMOLISH THE REQUIRED MASONRY PANELS CAREFULLY, USING HAND TOOLS
 4. MAKE GOOD THE ENDS OF THE REMAINING MASONRY PANELS

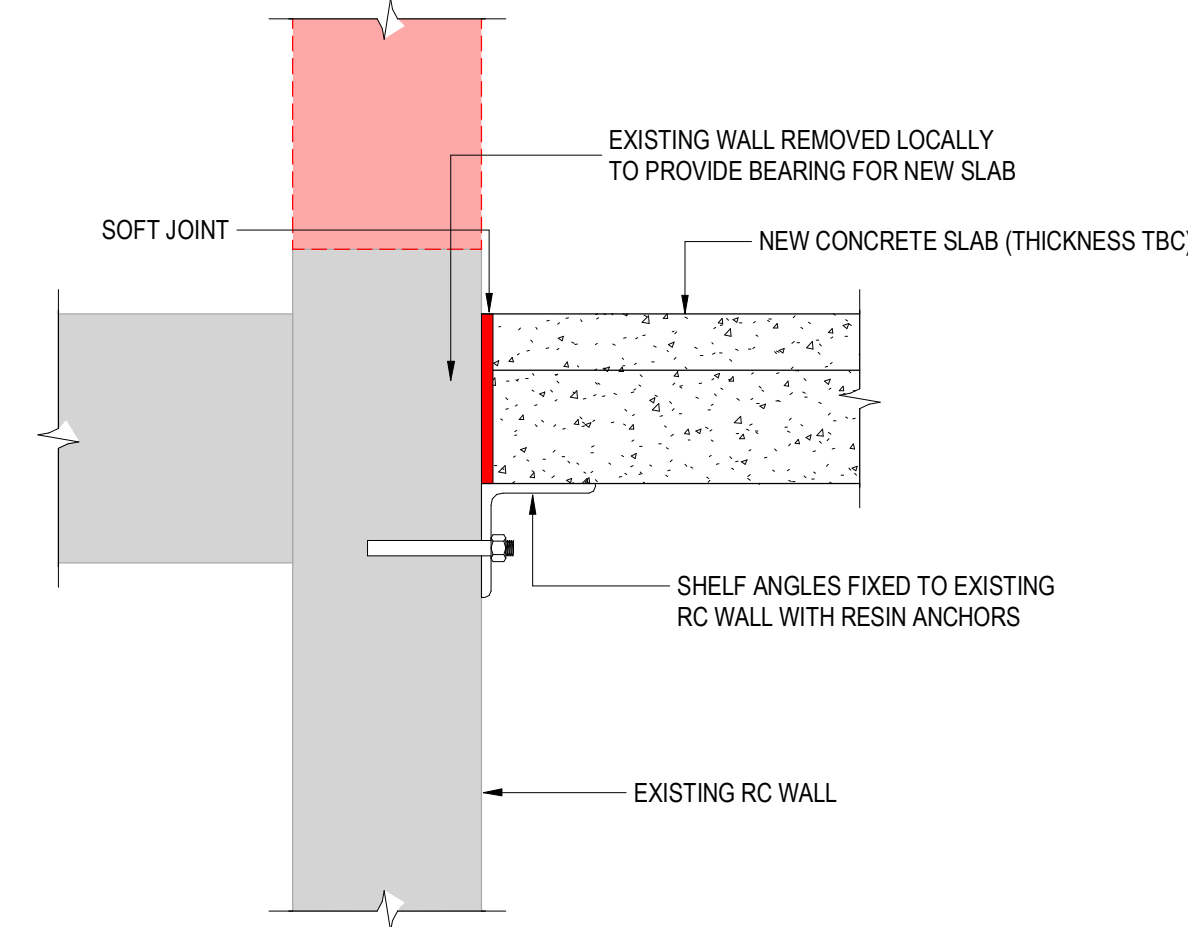


DETAIL A
WALL DEMOLITION ELEVATION
SCALE: 1: 50

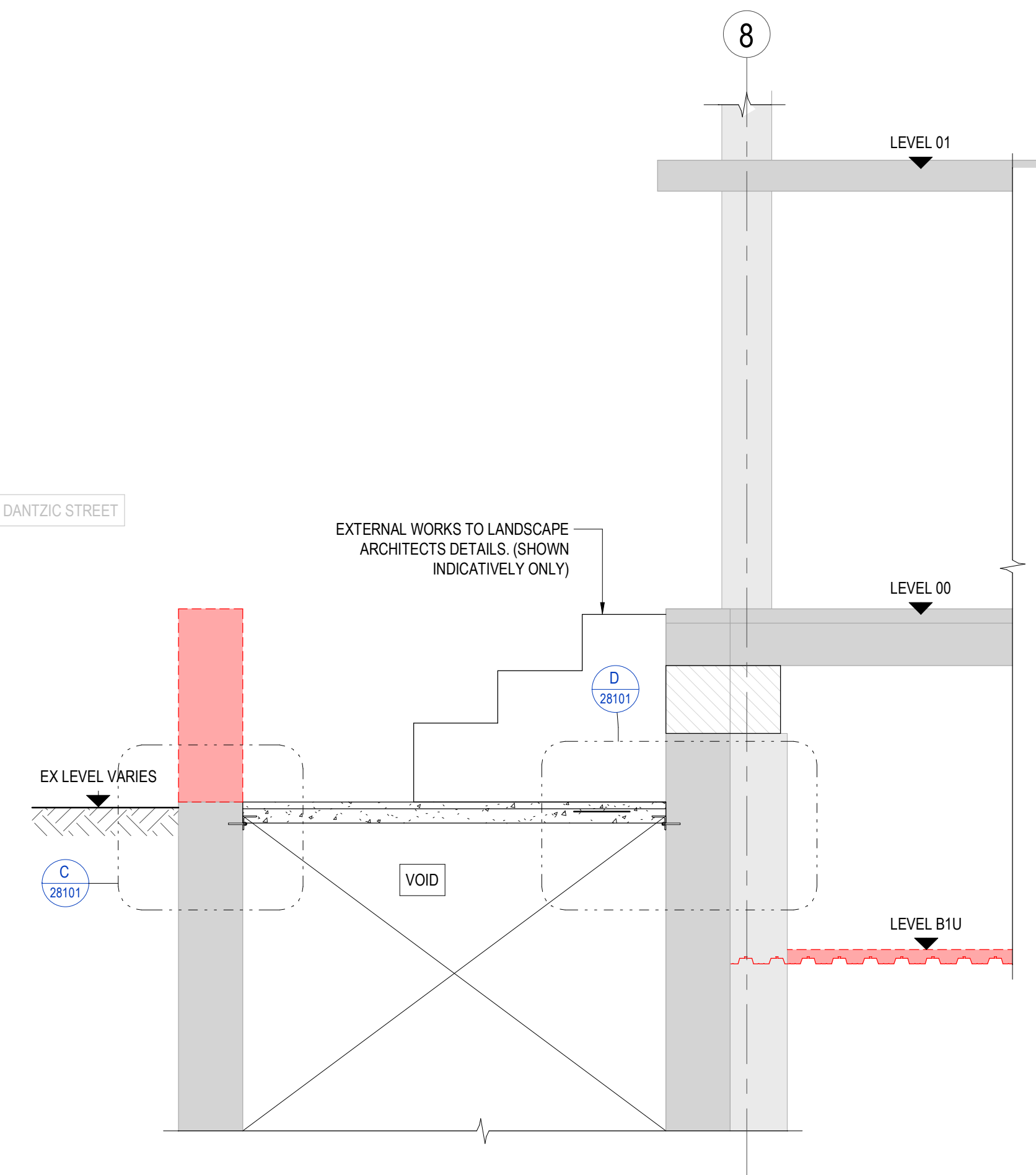


DETAIL 13
INFILL OF DANTZIC STREET STAIR WELL
SCALE: 1: 20

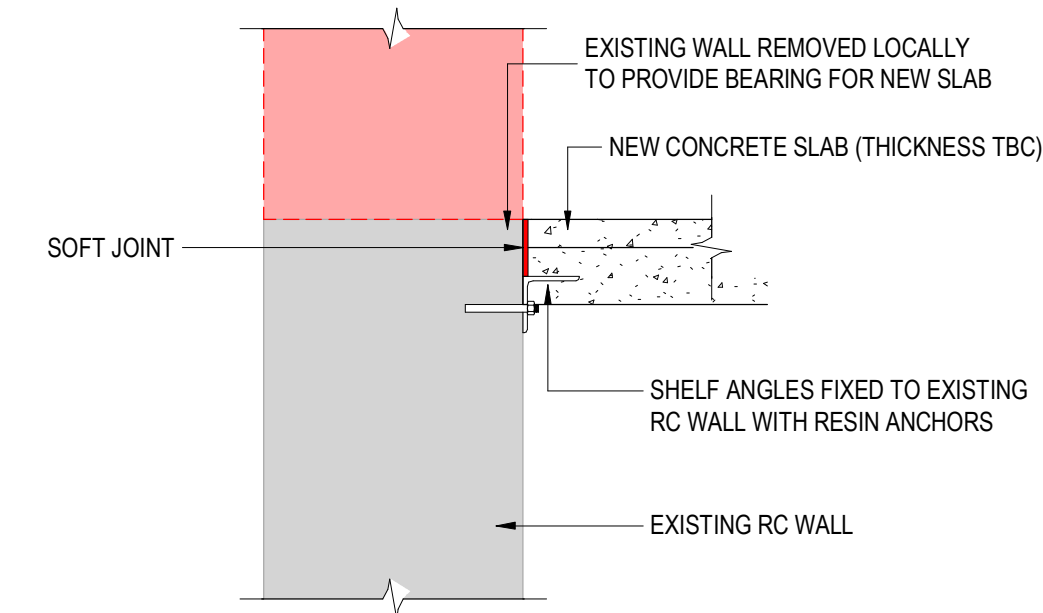
- REMOVAL OF STAIRS NEAR DANTZIC STREET / HANOVER STREET CORNER
1. REMOVE ANY FINISHES TO THE STAIRWELL WALLS, IF REQUIRED FOR REUSE ELSEWHERE
 2. USING HAND TOOLS, CAREFULLY BREAK DOWN THE EXISTING WALLS TO THE REQUIRED LEVEL
 3. AS REQUIRED, DRILL HOLES INTO THE REMAINING PORTIONS OF WALL IN ORDER TO RECEIVE DOWEL BARS AND FIXINGS FOR STEEL SHELF ANGLES
 4. INSTALL DOWEL BARS AND SHELF ANGLES USING RESIN ANCHORS
 5. INSTALL METAL DECKING AND POUR INSITU CONCRETE SLAB TO THE REQUIRED THICKNESS
 6. FOLLOWING CURING OF THE SLAB, INSTALL WATERPROOFING IN ACCORDANCE WITH THE SPECIALIST'S DETAILS
 7. PROVIDE FINISHES AS NECESSARY, IN ACCORDANCE WITH THE LANDSCAPE ARCHITECT'S DETAILS.



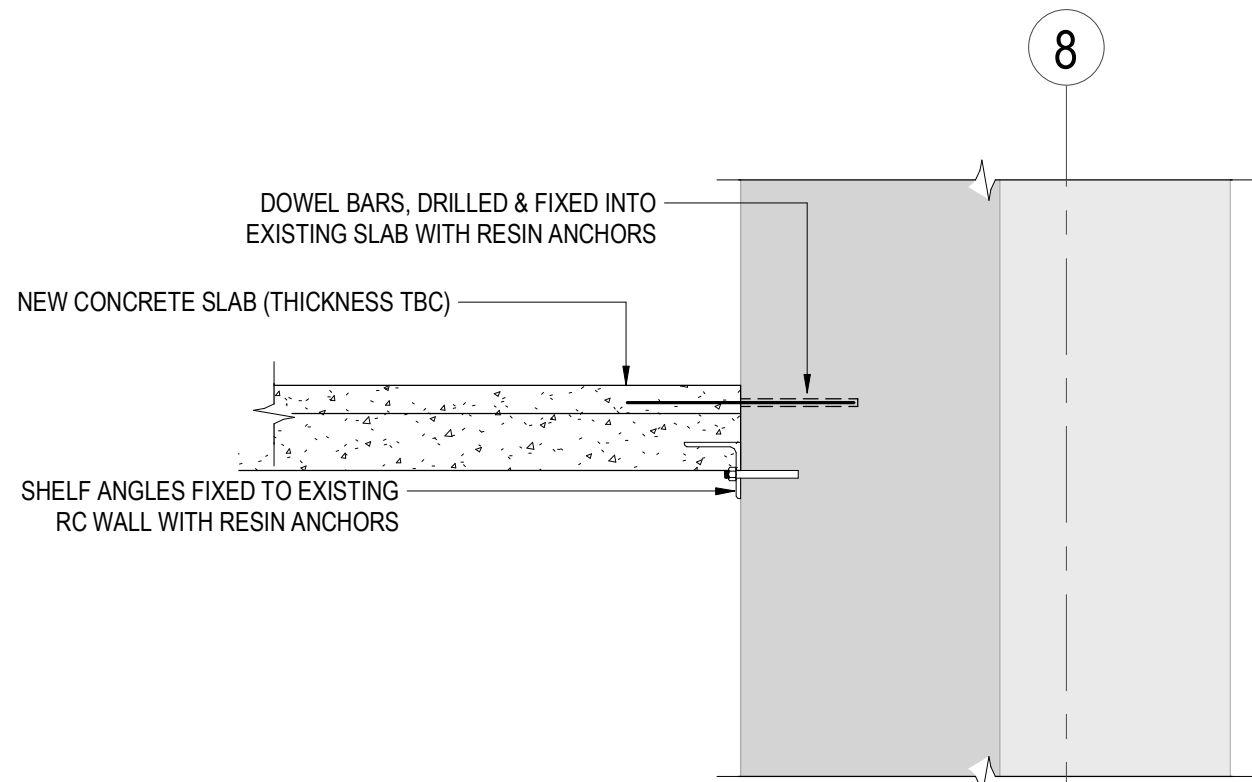
DETAIL B
INFILL OF DANTZIC STREET STAIR WELL - DETAIL
SCALE: 1: 10



DETAIL 14
DANTZIC STREET VOID INFILL
SCALE: 1: 50

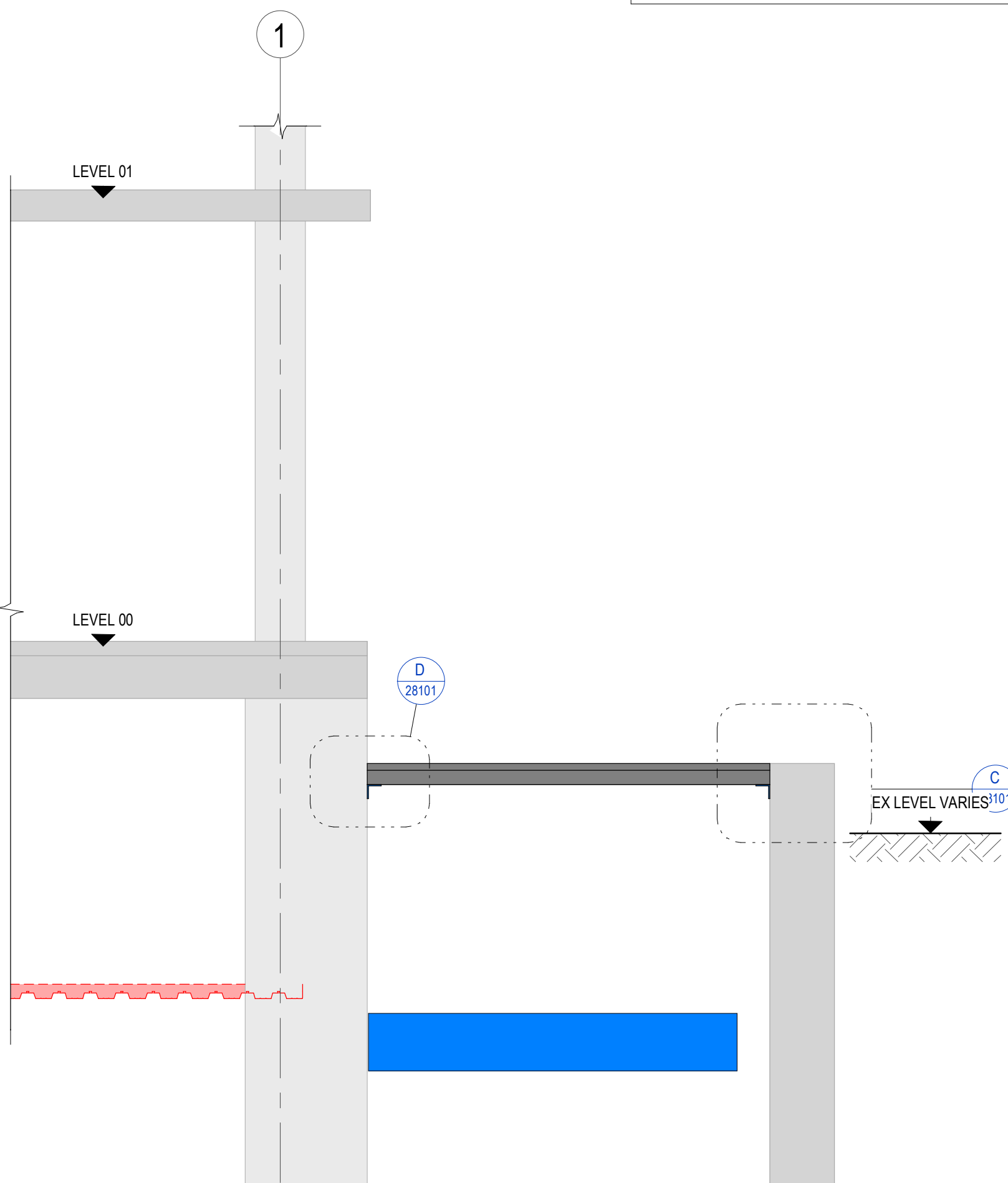


DETAIL C
DANTZIC STREET VOID INFILL DETAIL TYPE 1
SCALE: 1: 20

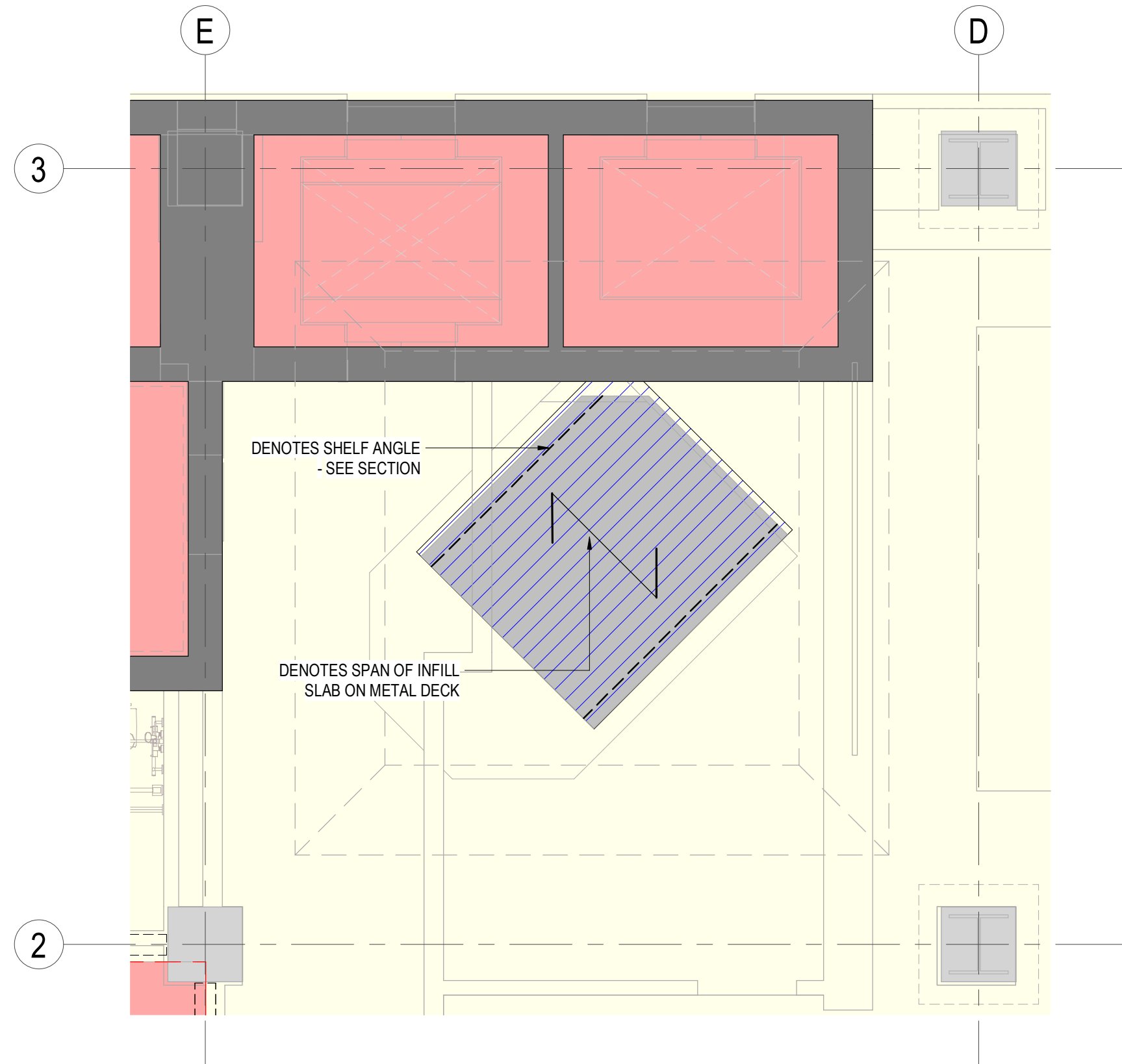


DETAIL D
DANTZIC STREET VOID INFILL DETAIL TYPE 2
SCALE: 1: 20

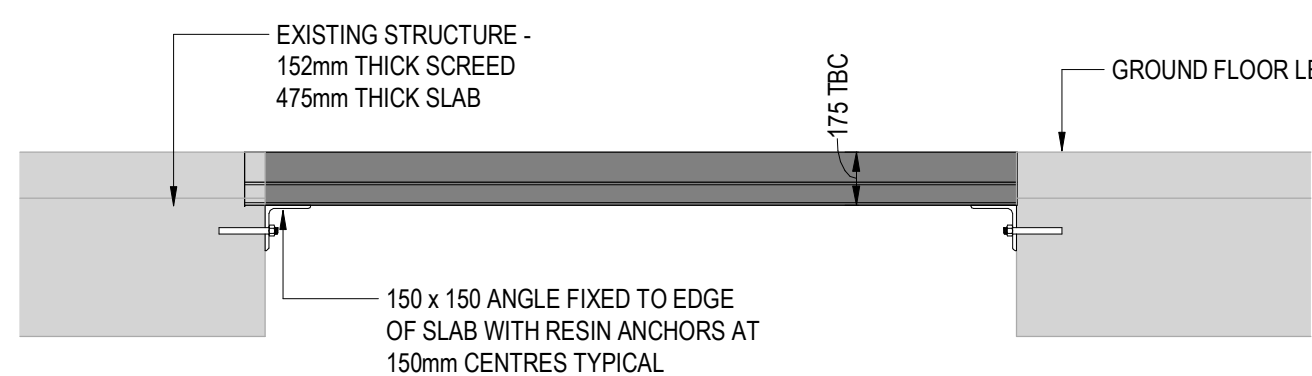
- MODIFICATION OF LIGHTWELLS TO THE EXTERIOR OF THE BUILDING
1. CAREFULLY REMOVE EXISTING FINISHES TO THE WALLS OF THE LIGHTWELL AND SET ASIDE AS NECESSARY
 2. CAREFULLY REMOVE FINISHES TO THE EXTERNAL PORTION OF THE GROUND FLOOR IN THOSE AREAS REQUIRED TO FORM CONNECTIONS AND SET ASIDE AS NECESSARY
 3. WHERE REQUIRED, CAREFULLY BREAK DOWN THE LIGHTWELL WALLS TO THE REQUIRED LEVELS
 4. TREAT ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 5. WHERE REQUIRED, DRILL HOLES INTO THE VERTICAL EXTERNAL FACE OF THE BUILDING TO ACCOMMODATE DOWEL BARS AND SHELF ANGLES
 6. INTRODUCE STEEL SHELF ANGLES AS REQUIRED AND PROVIDE RESIN ANCHORS
 7. INSTALL DOWEL BARS AND FIX WITH RESIN ANCHORS
 8. INSTALL METAL DECKING AND POUR INSITU CONCRETE TO FORM NEW LANDINGS / RAMPS
 9. INSTALL FINISHES TO NEW LANDINGS AND RAMPS
 10. MAKE GOOD / REINSTATE FINISHES TO THE EXISTING BUILDING AND LIGHTWELL WALLS



DETAIL 15
CARPARK LIGHTWELL INFILL
SCALE: 1: 50

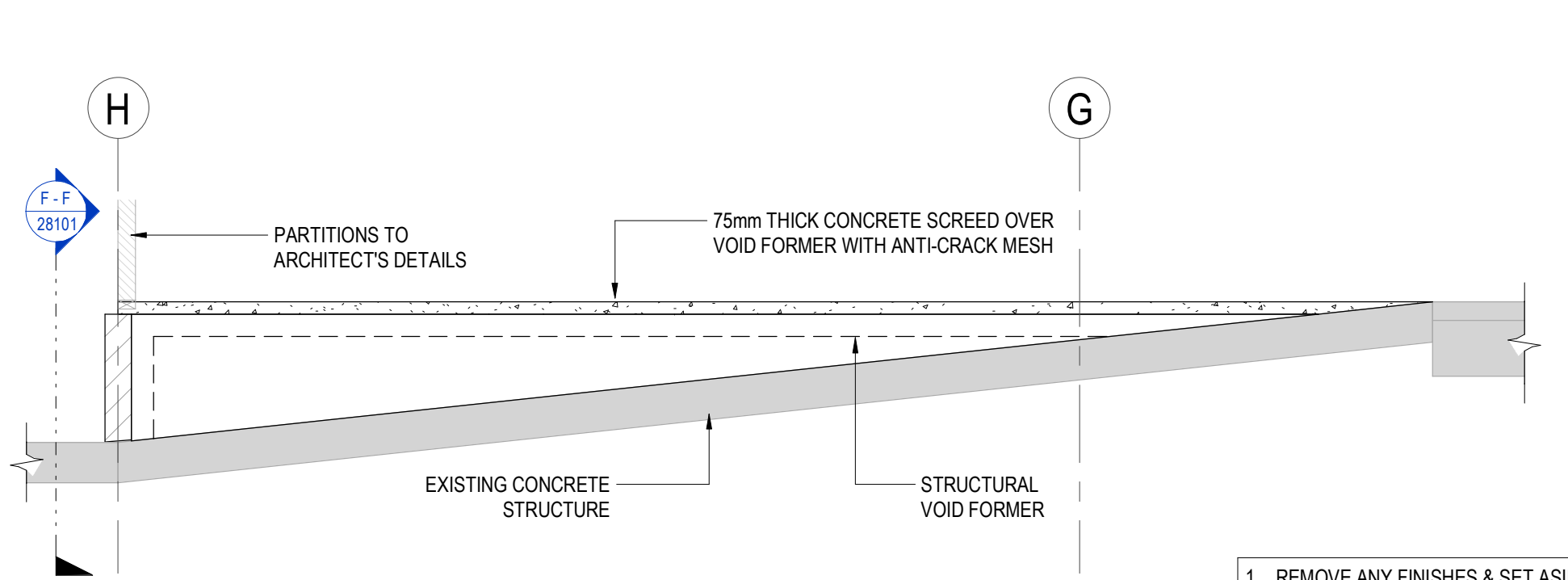


DETAIL 16
EXISTING STAIR VOID INFILL
SCALE: 1: 50



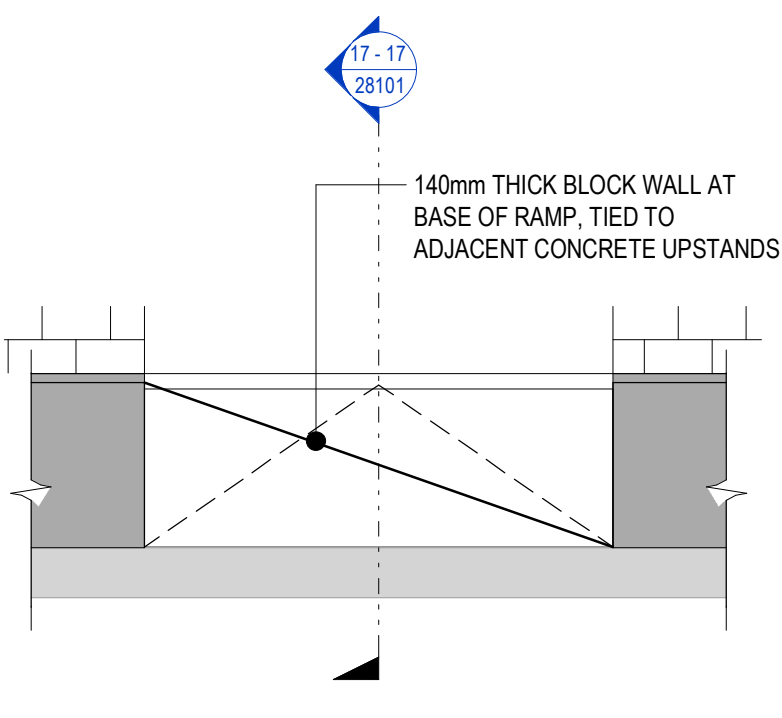
SECTION E-E
EXISTING STAIR INFILL - SECTION
SCALE: 1: 25

- INFILLING OF OPENINGS
- NOTE: FOR INFILLING LARGE VOIDS, THE METHOD OF CONSTRUCTION WOULD BE AS PER THAT FOR THE REMOVAL OF THE STAIRCASE IN THE PODIUM. THIS METHOD STATEMENT IS INTENDED FOR THE INFILLING OF SMALL OPENINGS.
1. PROVIDE TEMPORARY PROPPING AS REQUIRED
 2. DRILL HOLES INTO THE EDGE OF THE EXISTING OPENING AS NECESSARY TO RECEIVE DOWEL BARS AND / OR RESIN FIXINGS
 3. INSTALL STEEL SHELF ANGLES TO ALL SIDES OF THE OPENING, FIXED WITH RESIN ANCHORS
 4. INSTALL DOWEL BARS IF REQUIRED
 5. INSTALL STEEL DECKING AND PLACE INSITU CONCRETE TO THE REQUIRED LEVEL
 6. INSTALL FINISHES AND MAKE GOOD AS NECESSARY



DETAIL 17
SECTION THROUGH GROUND FLOOR RAMP
SCALE: 1: 50

1. REMOVE ANY FINISHES & SET ASIDE AS REQUIRED
2. INSTALL BRICK TIES TO FACE OF WALL AT THE BOTTOM OF THE RAMP
3. CONSTRUCT BLOCK WALL
4. INSTALL STRUCTURAL VOID FORMER TO REQUIRED LEVEL
5. POUR CONCRETE SCREED
6. APPLY / REINSTATE FINISHES AS REQUIRED

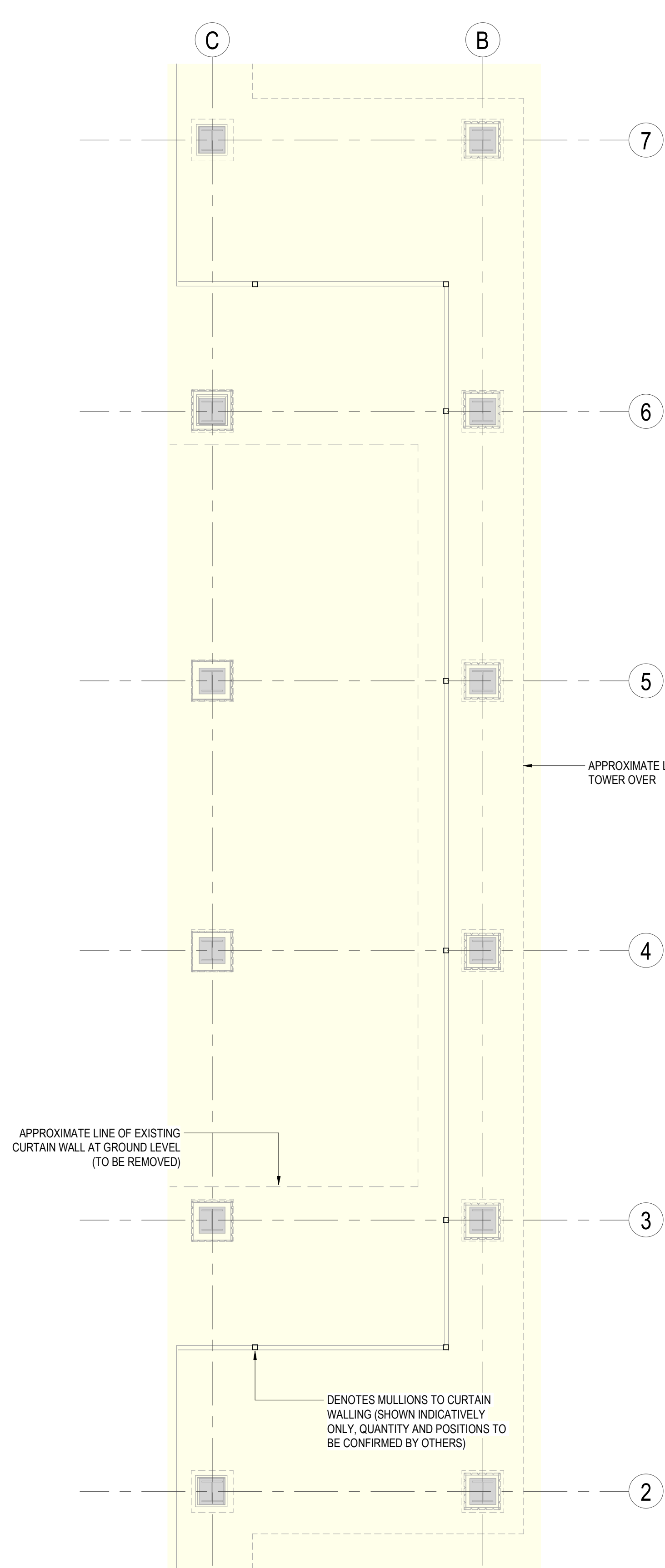


SECTION F-F
RAMP ELEVATION
SCALE: 1: 50

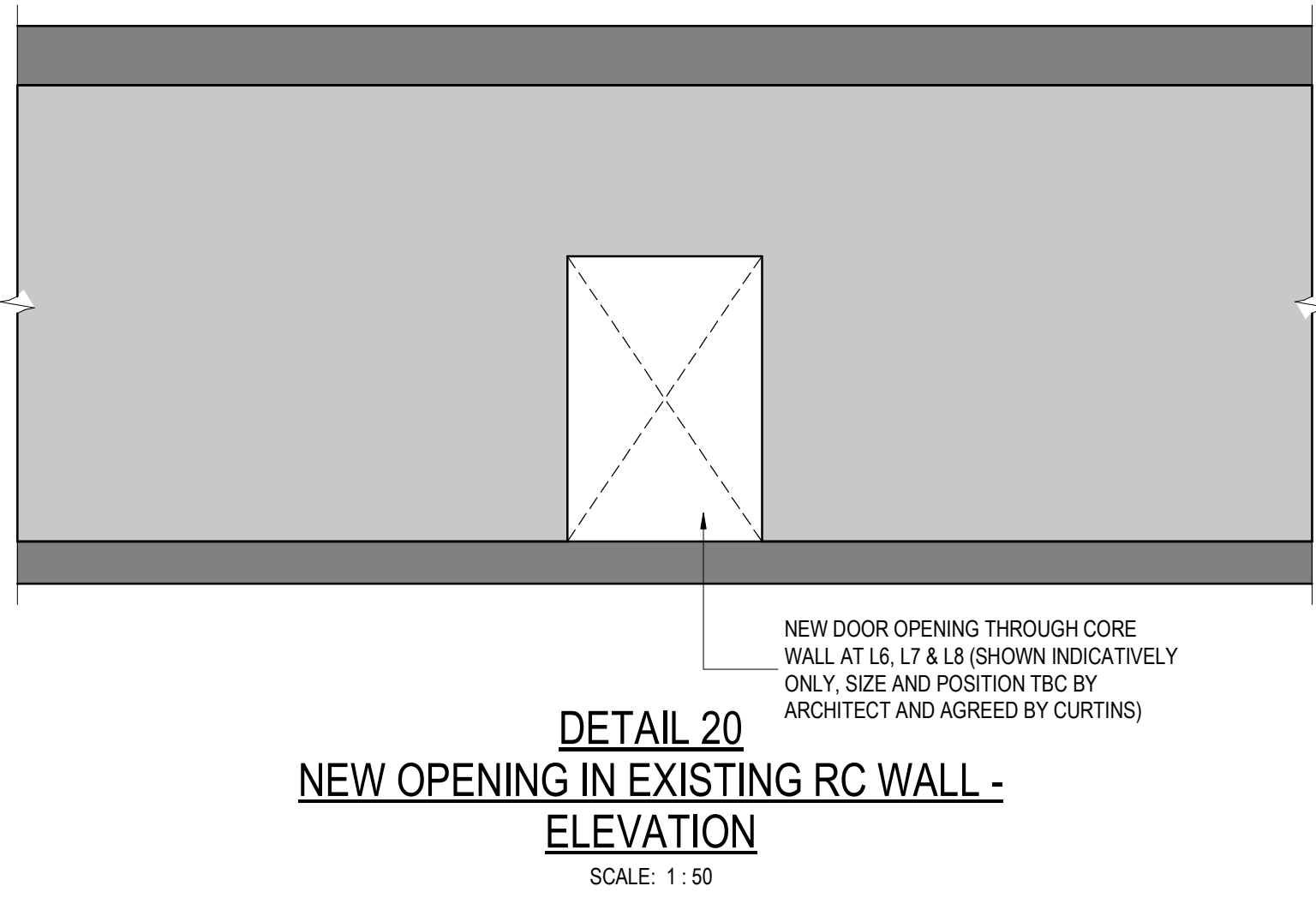
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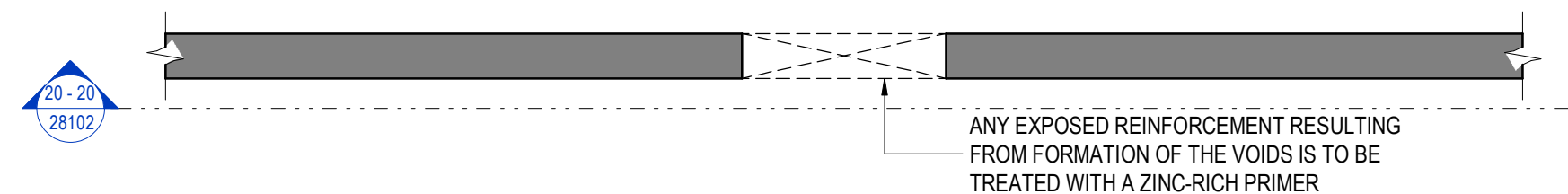
PROJ	STAGE 2		28.03.25	SW	KG
P01	DRAFT STAGE 2		14.03.25	SW	KG
Rev:	Description:		Date:	By:	Chkd:
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Status:					
STAGE 2					
Project					
PROJECT SAM					
Drg Title:					
STRUCTURAL ALTERATION DETAILS FOR BUILDING CONSENT SHEET 2					
Drawn By					
SW		KG		Checked By	
		Date		Scale @ A3	
MAR '25				As indicated	
Project No - Originator - Function - Spatial - Form - Discipline - Number					Revision:
085832 - CUR - 00 - ZZ - D - S - 28101					P02



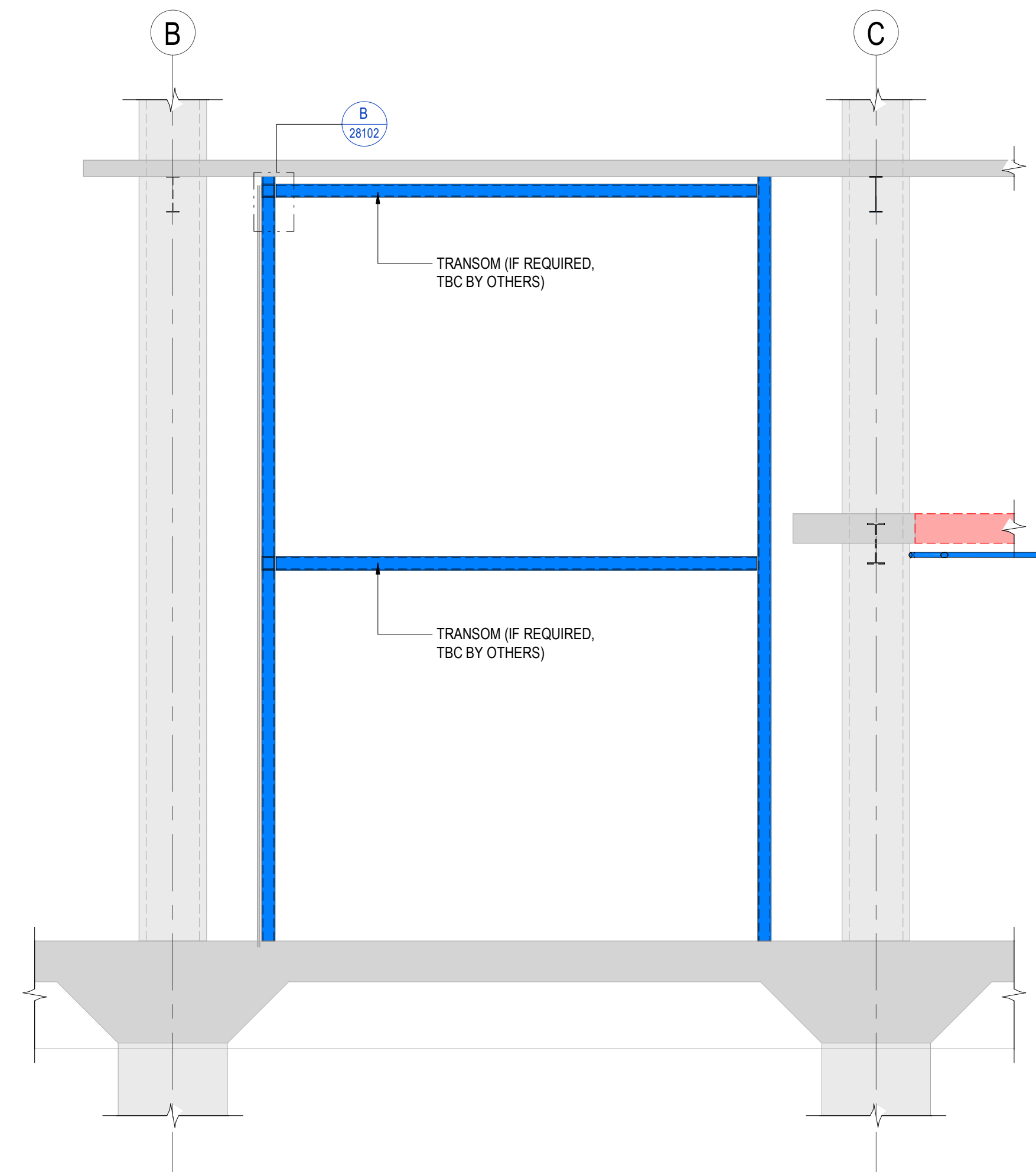
DETAIL 18
PLAN ON GROUND FLOOR - ENTRANCE
SCALE: 1:100



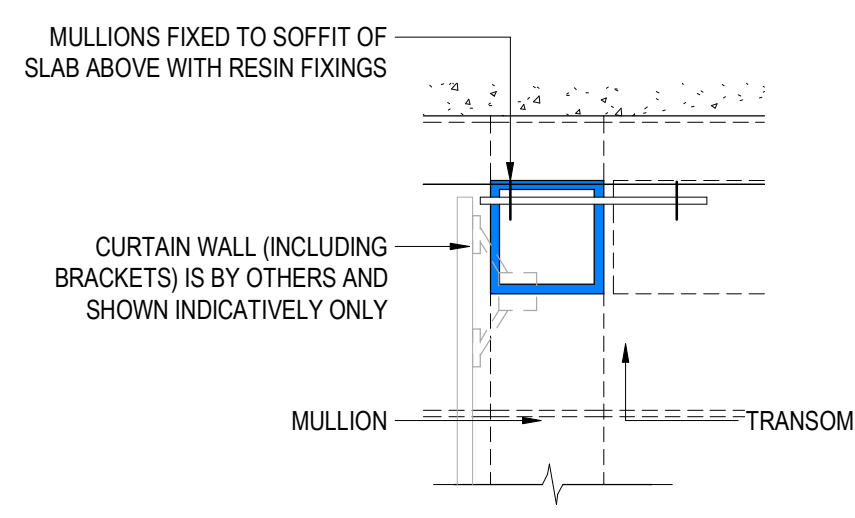
DETAIL 20
NEW OPENING IN EXISTING RC WALL - ELEVATION
SCALE: 1:50



- FORMING OPENINGS IN WALLS
1. CONFIRM THE SIZE AND POSITION OF THE PROPOSED OPENING IS ACCEPTABLE TO THE STRUCTURAL ENGINEER
 2. PERFORM A FERROSCAN ON THE ACCESSIBLE FACES OF THE WALL TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
 3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED OPENING ON THE WALL
 4. FORM THE OPENING BY MEANS OF CORE DRILLING
 5. INSTALL / REINSTATE WALL FINISHES AS REQUIRED

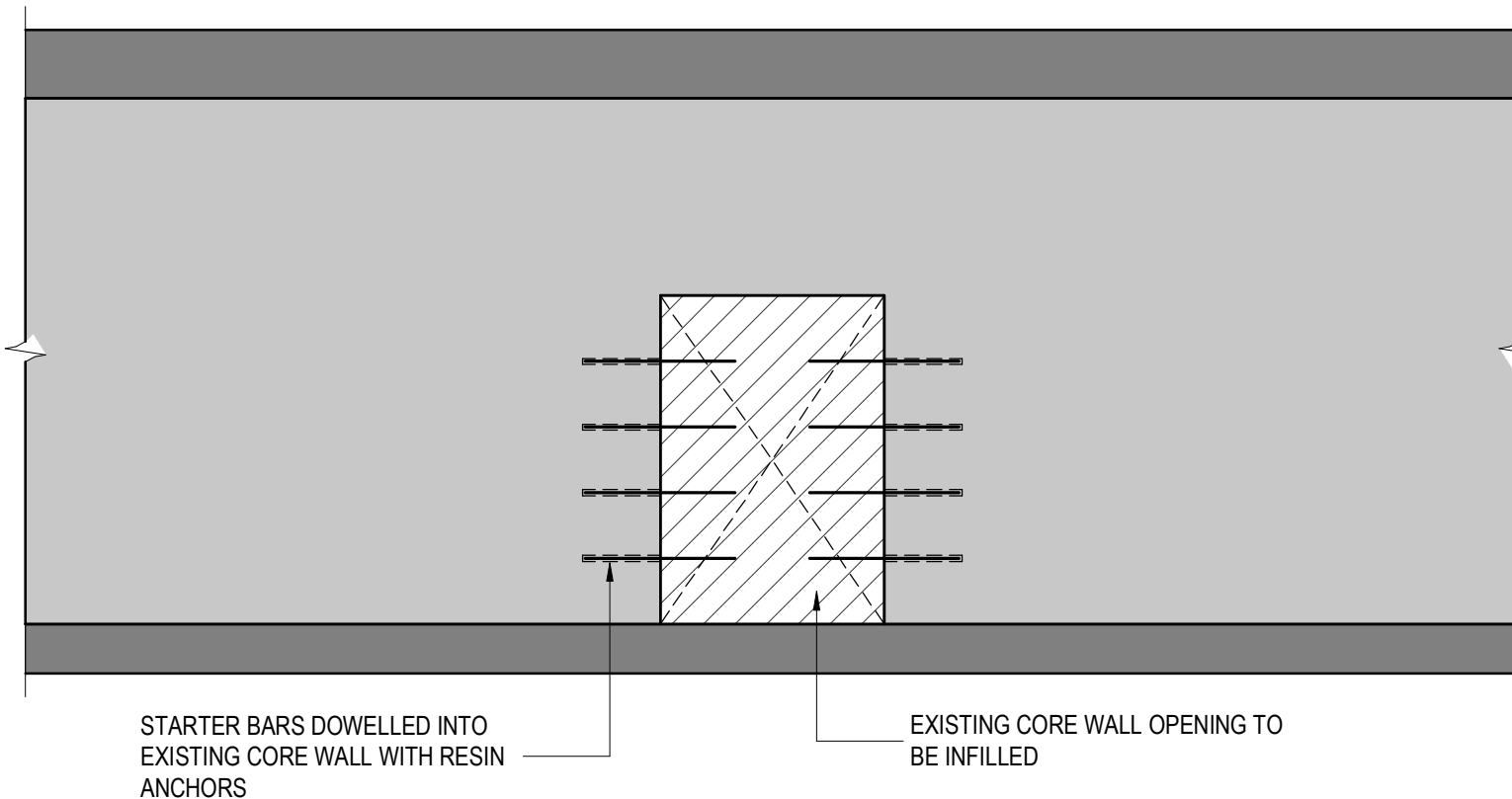


DETAIL A
SECTION THROUGH ENTRANCE
SCALE: 1:50



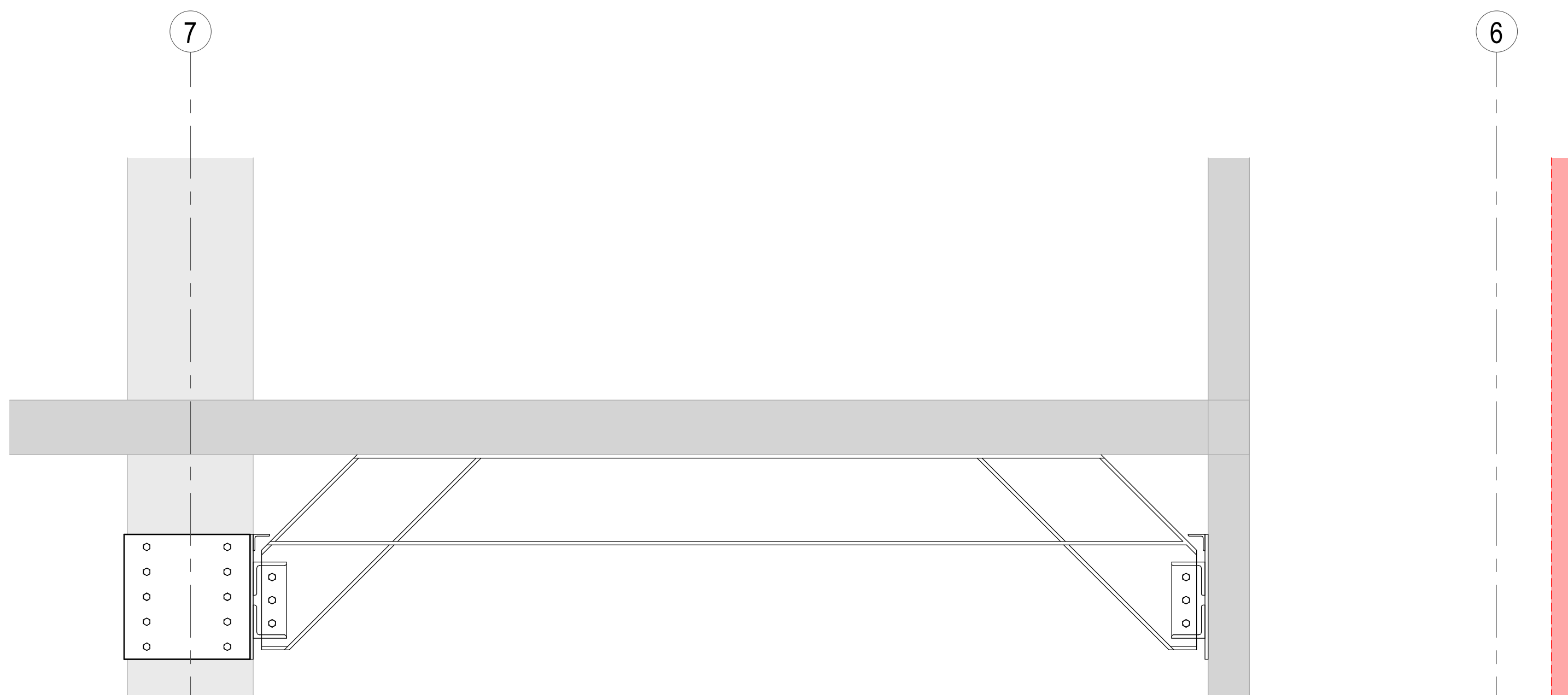
DETAIL B
SCALE: 1:10

- RECONFIGURATION OF MAIN ENTRANCE FLOOR AREA
1. CAREFULLY REMOVE THE EXISTING CURTAIN WALLING FORMING THE ENCLOSURE TO THE RECEPTION AREA
 2. MAKE GOOD THE AREAS OF FINISHES WHERE THE EXISTING CURTAIN WALLING HAS BEEN REMOVED
 3. CAREFULLY REMOVE FINISHES AT THE POINTS WHERE THE NEW STRUCTURE WILL BE CONNECTED
 4. INTRODUCE NEW STRUCTURAL ELEMENTS AND FIX TO PRIMARY STRUCTURE BY MEANS OF RESIN ANCHORS
 5. REINSTATE FINISHES AROUND THE NEWLY-INTRODUCED STRUCTURAL ELEMENTS

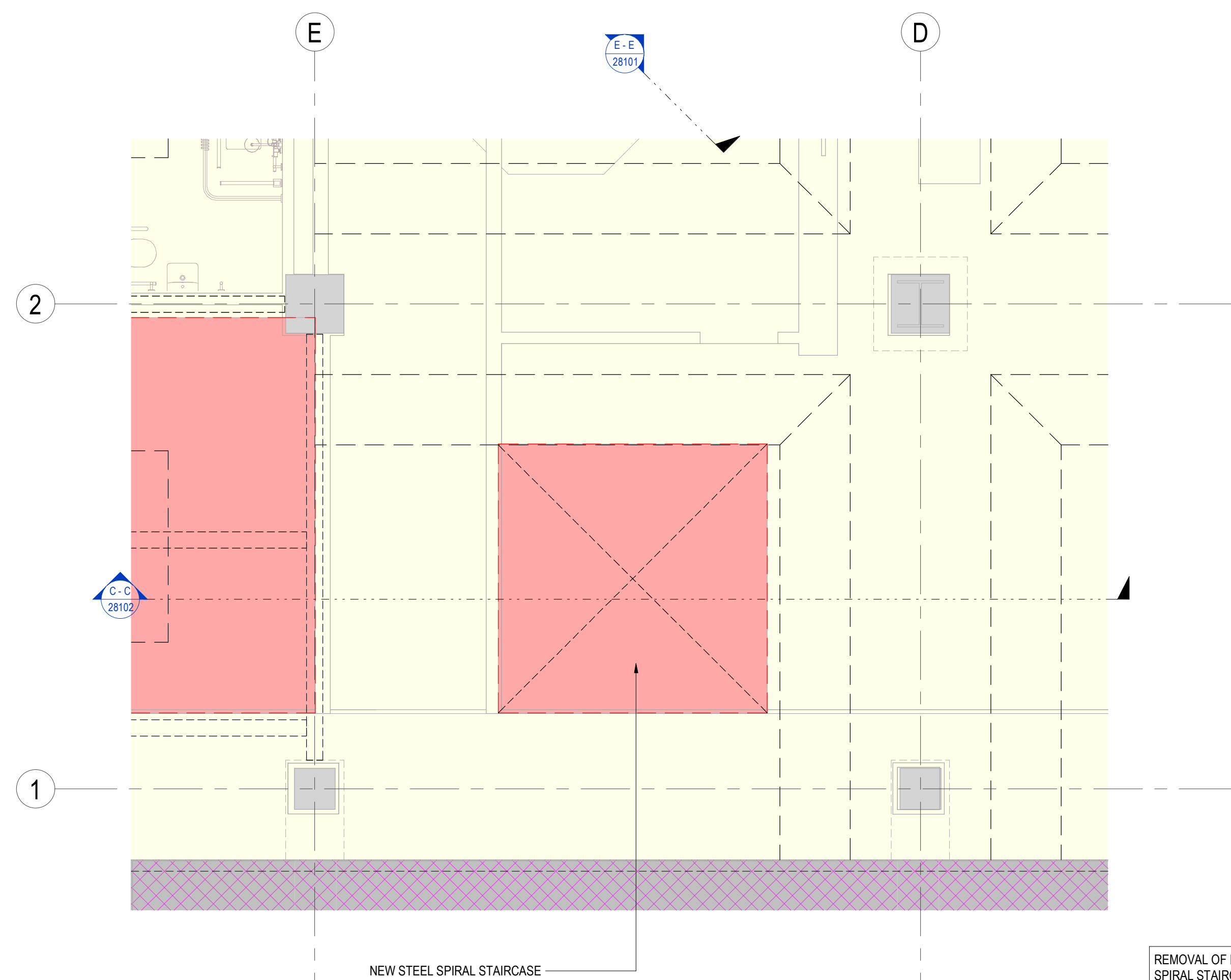


DETAIL 21
INFILLING EXISTING RC WALL OPENINGS - ELEVATION
SCALE: 1:50

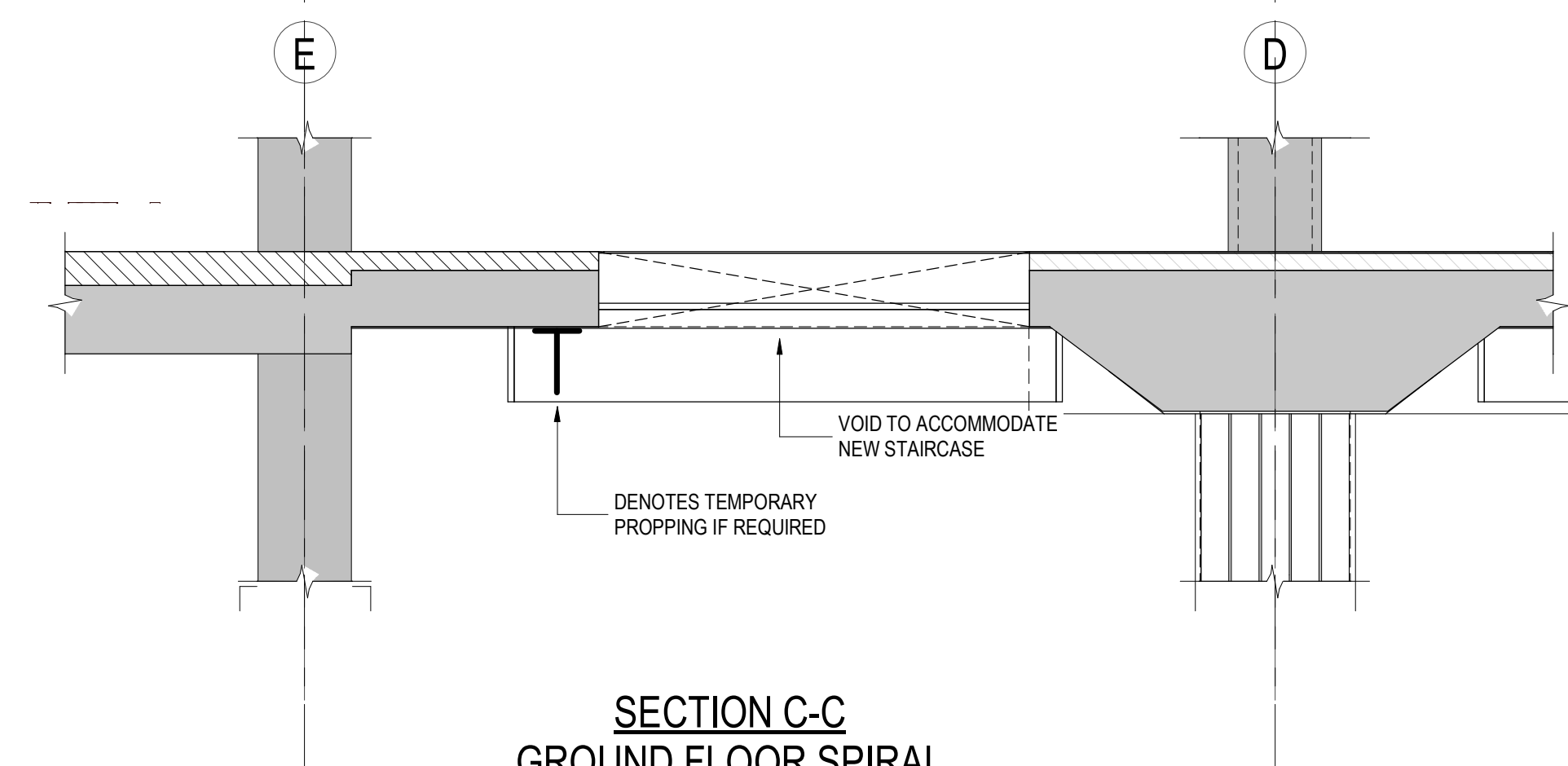
- INFILL OF CORE WALLS
1. CAREFULLY REMOVE WALL FINISHES AS NECESSARY AND SET ASIDE FOR REUSE WHERE REQUIRED
 2. DRILL HOLES INTO THE EDGE OF THE EXISTING OPENING AS NECESSARY TO RECEIVE DOWEL BARS AND / OR RESIN FIXINGS
 3. FIX DOWEL BARS USING RESIN ANCHORS
 4. PROVIDE SHUTTERING AND POUR NEW RC WALL
 5. FOLLOWING CURING OF THE CONCRETE, STRIKE THE FORMWORK
 6. REINSTATE ANY FINISHES AS REQUIRED AND MAKE GOOD THE INTERFACE BETWEEN THE NEW AND EXISTING PORTIONS OF STRUCTURE.



SECTION E-E
SCALE: 1:25

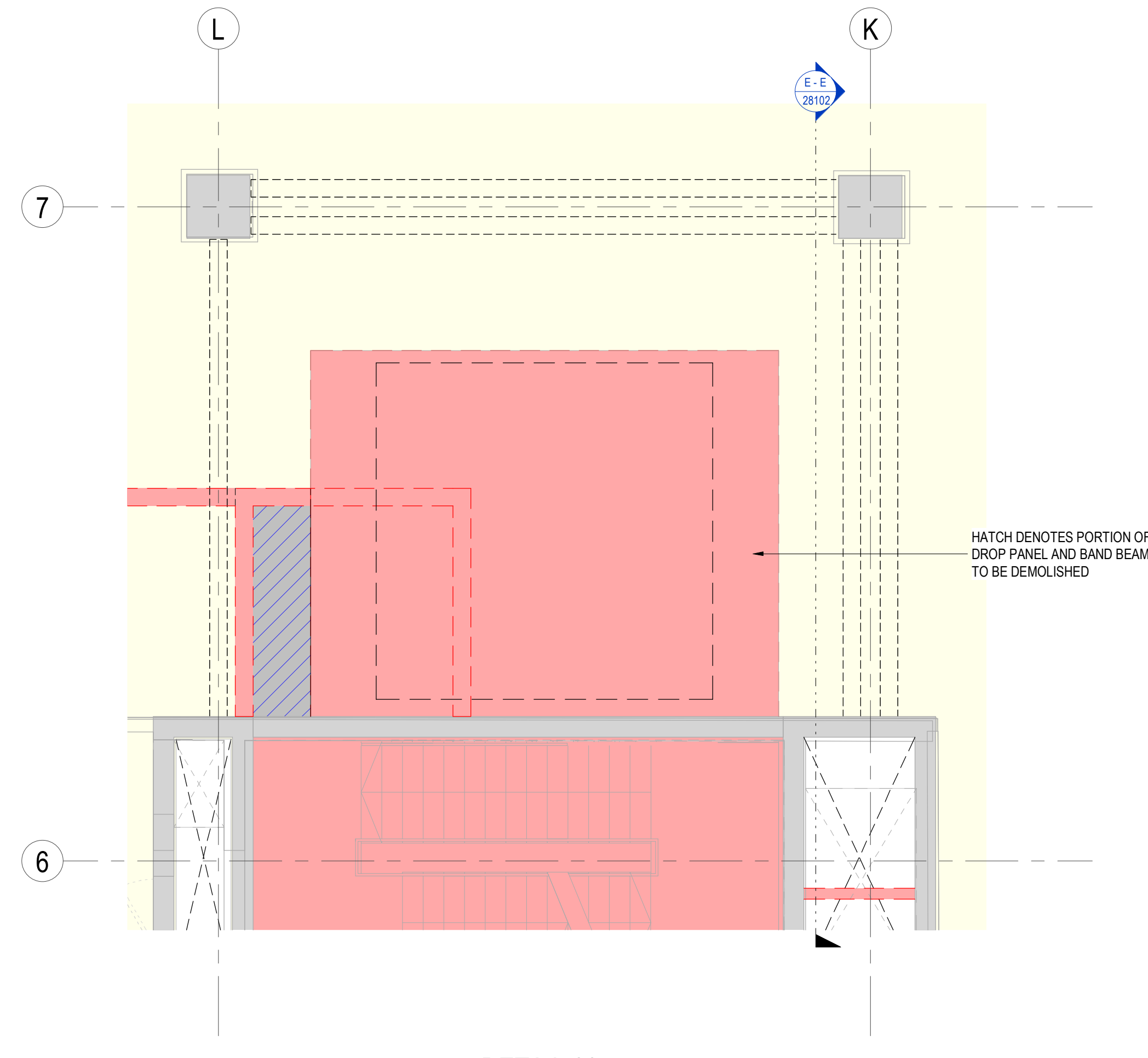


DETAIL 19
GROUND FLOOR SPIRAL STAIRCASE - PLAN
SCALE: 1:50



SECTION C-C
GROUND FLOOR SPIRAL STAIRCASE - SECTION
SCALE: 1:50

- REMOVAL OF FLOOR DROP PANEL AT GROUND TO ACCOMMODATE NEW SPIRAL STAIRCASE
1. PROVIDE TEMPORARY PROPPING AS NECESSARY
 2. CAREFULLY REMOVE FINISHES TO THE PORTIONS OF SLAB TO BE REMOVED
 3. MARK OUT THE OPENINGS TO BE FORMED
 4. CAREFULLY REMOVE THE REQUIRED PORTIONS OF SLAB, AVOIDING OVERBREAK
 5. TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 6. INSTALLATION OF NEW STEEL STAIRCASE TO BE BUILT OFF EXISTING SLAB AT B1 LEVEL
 7. REINSTATE OR PROVIDE NEW FINISHES AS NECESSARY



DETAIL 22
NEW STAIR AND LIFT PENETRATION - DANTZIG ST ENTRANCE
SCALE: 1:50

1. FOLLOWING REMOVAL OF FLOOR DROP PANEL AT GROUND TO ACCOMMODATE NEW SPIRAL STAIRCASE (SEE METHOD STATEMENT ASSOCIATED WITH DETAIL XX)
2. CAREFULLY REMOVE COLUMN FINISHES AS NECESSARY AND SET ASIDE FOR REUSE IF REQUIRED
3. PERFORM A FERROSCAN ON THE SURFACE OF THE COLUMN TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
4. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED POSITIONS OF THE DOWEL BARS ON THE COLUMN FACE
5. DRILL HOLES INTO THE COLUMNS TO RECEIVE FIXINGS FOR NEW STEEL BEAMS
6. INTRODUCE STEEL BEAMS
7. MAKE GOOD ANY FINISHES AND INTERFACES BETWEEN NEW AND EXISTING STRUCTURE

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
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3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING.

PROJ	UPDATED STAGE 2	16.04.25	SW	KG
PROJ	STAGE 2	16.03.25	SW	KG
PROJ	DRAFT STAGE 2	14.03.25	SW	KG

Rev	Description	Date	By	Chkd
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STAGE 2

PROJECT SAM

STRUCTURAL ALTERATION DETAILS FOR BUILDING CONSENT SHEET 3

Drawn By	Designed By	Checked By
SW	KG	MA

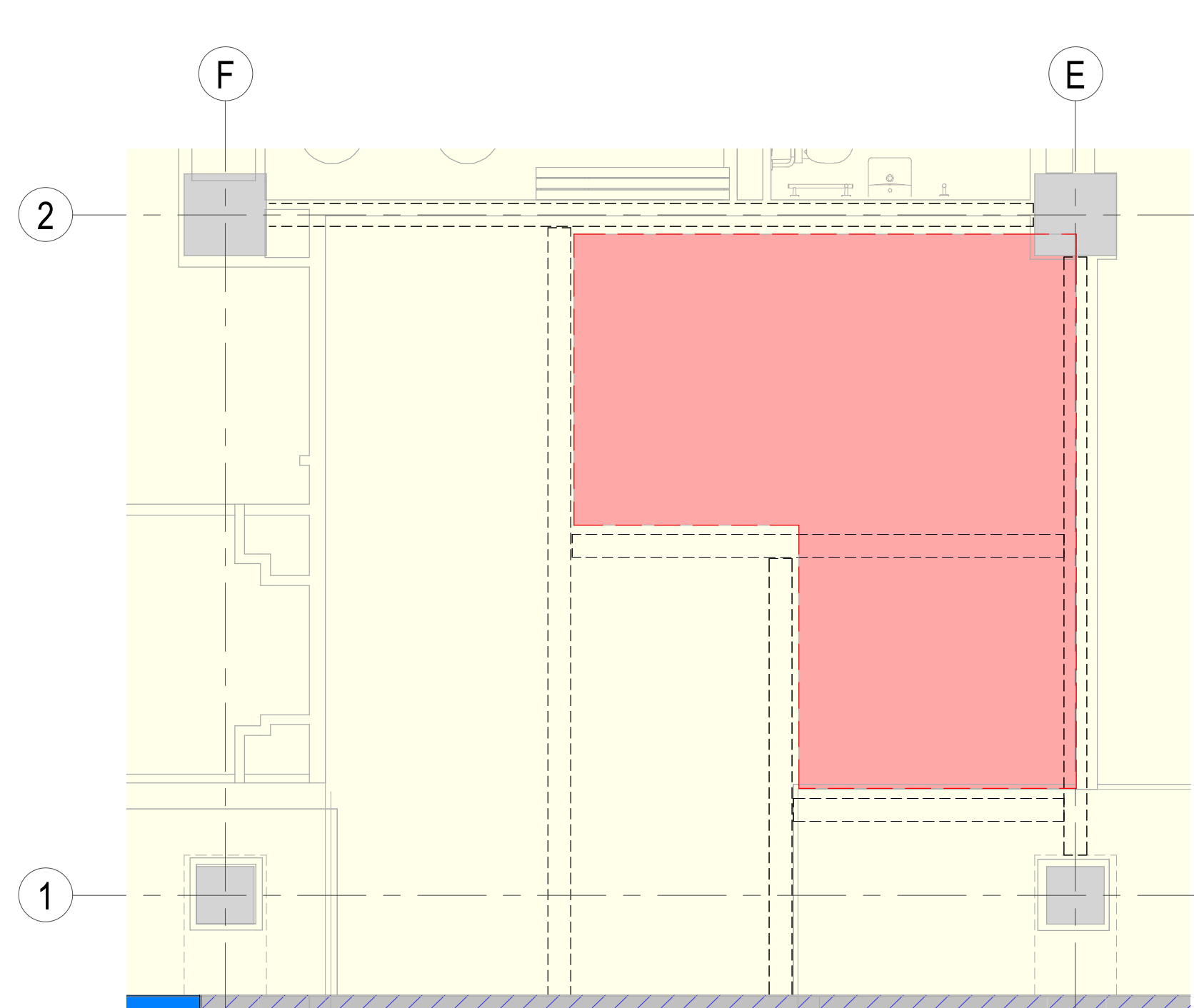
Date	Scale @ A3
MAR 25	As Indicated

Project No	Originator	Function	Spatial	Form	Discipline	Number	Revision
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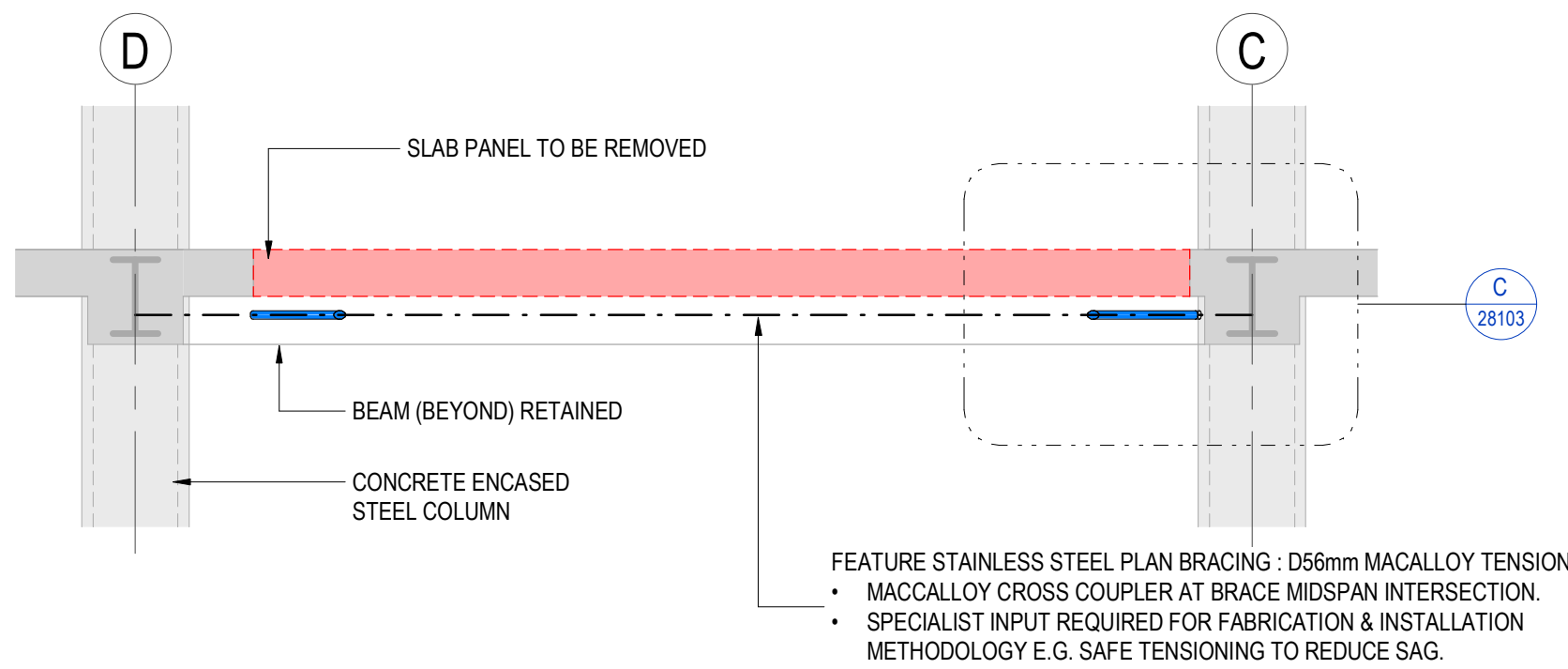
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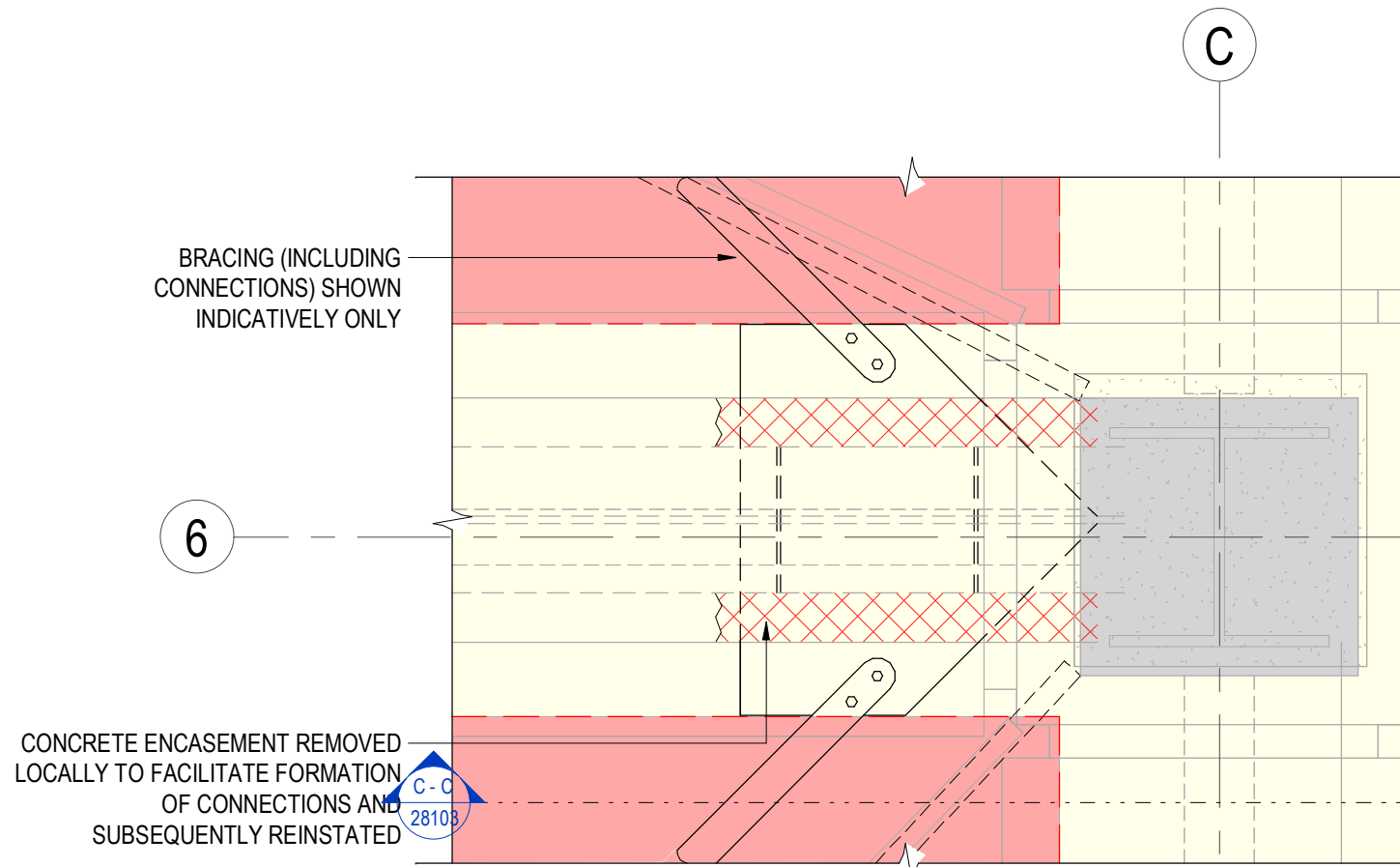


DETAIL 23
NEW STAIR AND LIFT PENETRATION - CARPARK ENTRANCE
SCALE: 1: 50

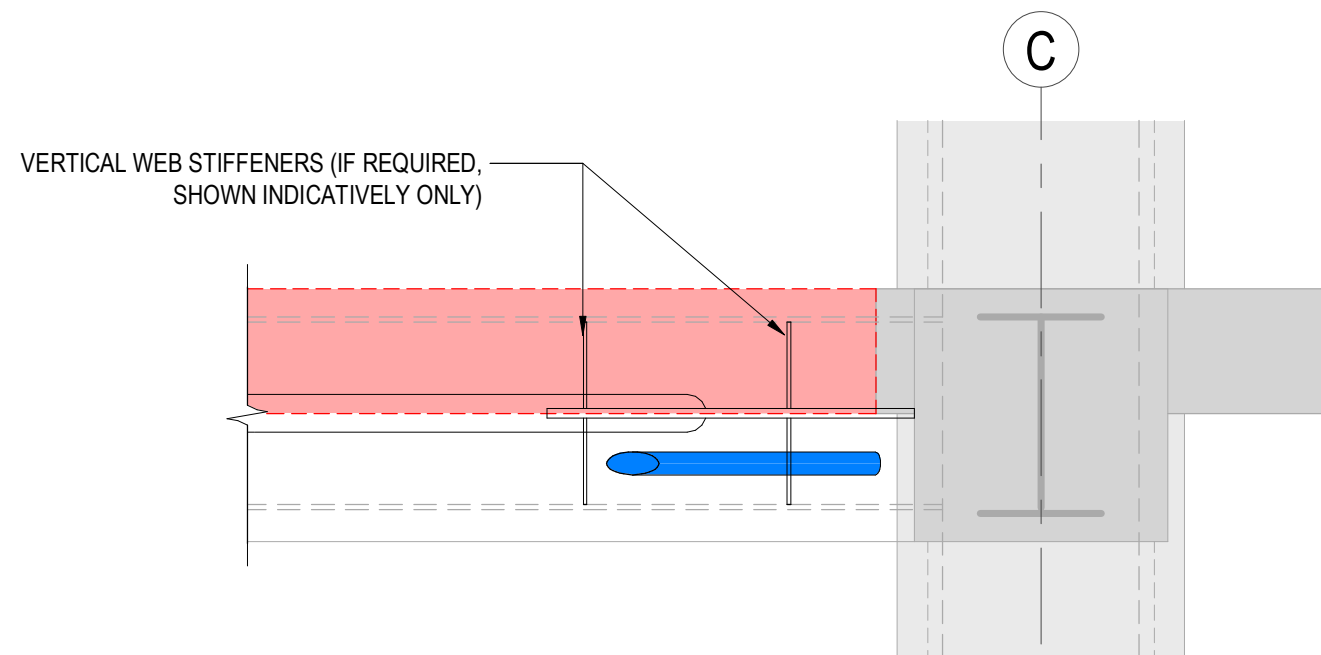
- NEW BEAMS AT B1 TO PICK UP BLOCKWORK WALL
- CAREFULLY REMOVE CEILING FINISHES AS NECESSARY AND SET ASIDE FOR REUSE IF REQUIRED
 - PERFORM A FERROSCAN ON THE SURFACE OF THE DOWNSTAND BEAMS AND THE PERIMETER WALLS ON GL 1 TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT WHICH MAY BE PRESENT
 - FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED POSITIONS OF THE DOVEL BARS AT ALL INCOMING LOCATIONS
 - AS REQUIRED, DRILL HOLES INTO THE COLUMNS FACES AND CORE WALLS IN ORDER TO RECEIVE DOVEL BARS
 - INSTALL END PLATES (WITH FIN PLATES COMING OFF THEM) TO LOCATIONS THAT ARE TO RECEIVE NEW STEEL BEAMS
 - LIFT NEW STEEL BEAMS INTO PLACE CONNECTING INTO THE FIN PLATES WITH SLOTTED HOLES
 - MAKE GOOD ANY FINISHES AND INTERFACES BETWEEN NEW AND EXISTING STRUCTURE



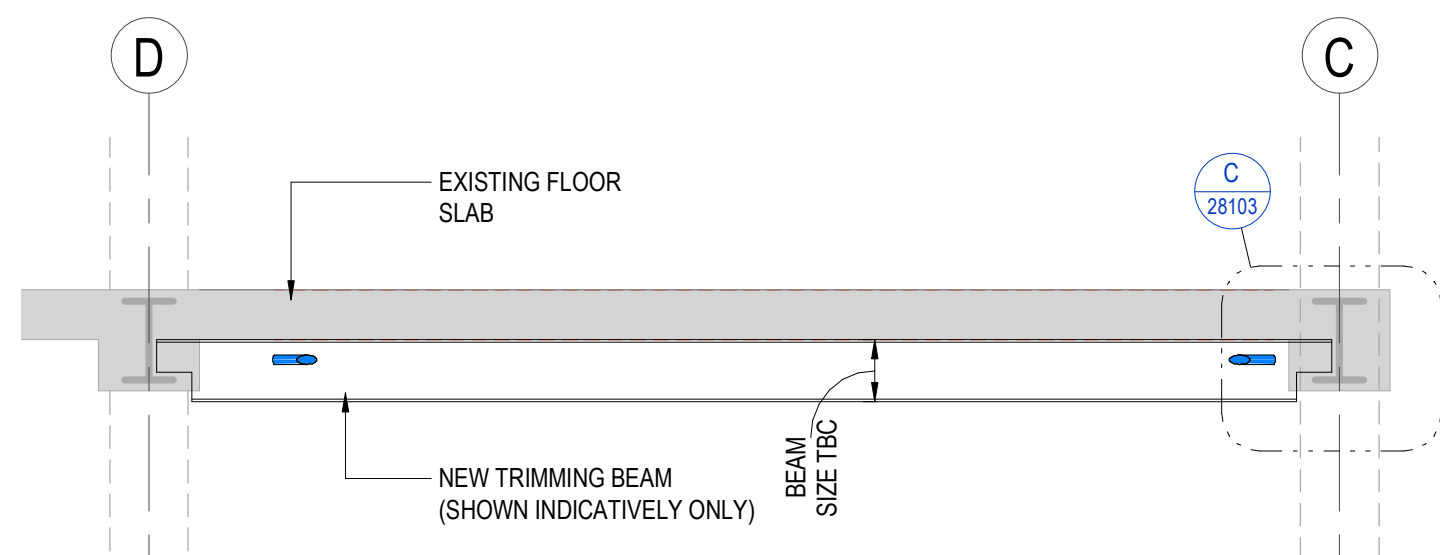
DETAIL 24
PLAN BRACING FOR DIAPHRAGM REMOVAL
SCALE: 1: 50



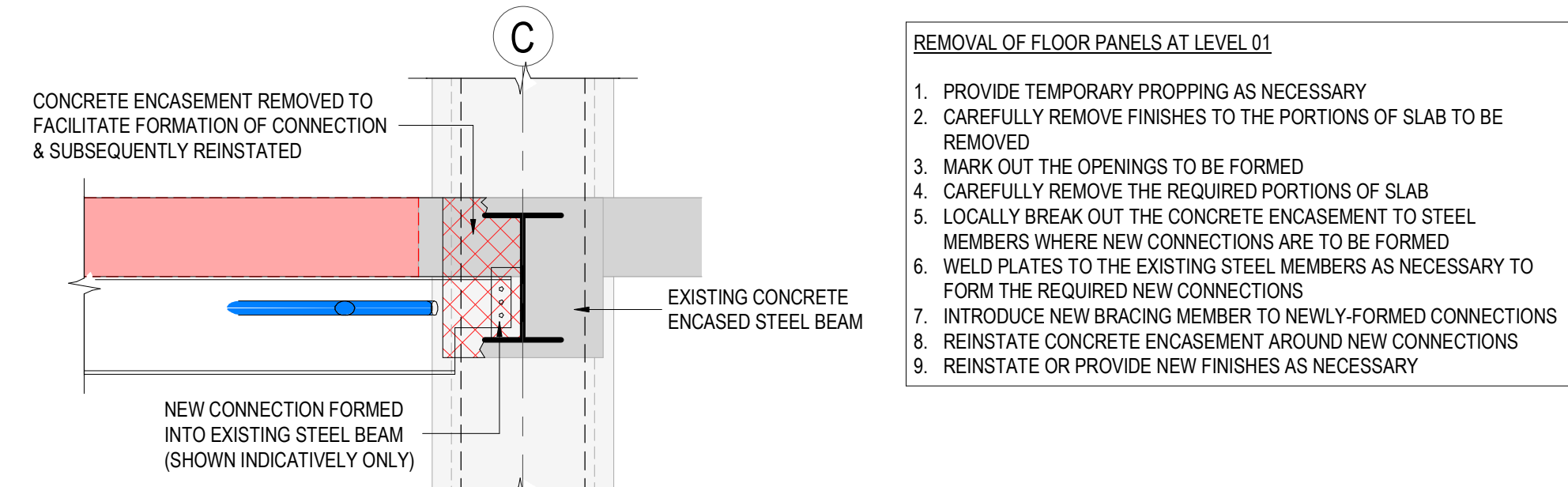
DETAIL A
PLAN BRACING FOR DIAPHRAGM REMOVAL - PLAN
SCALE: 1: 20



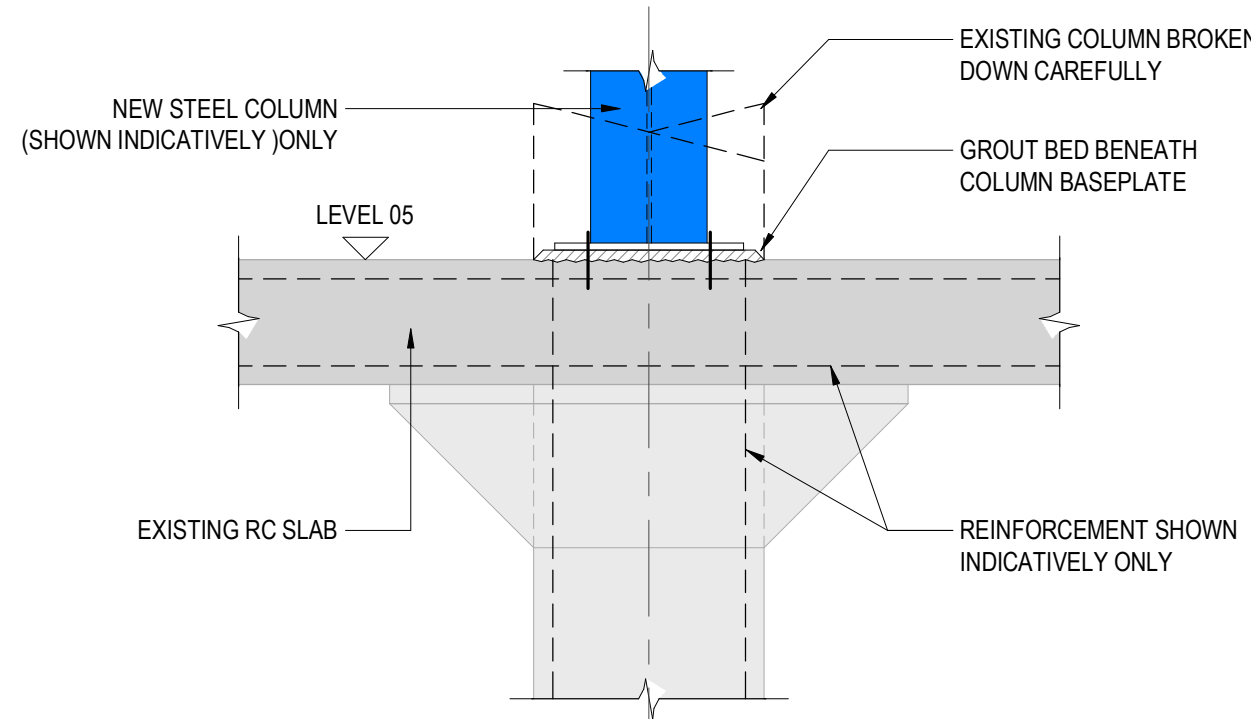
DETAIL B
PLAN BRACING FOR DIAPHRAGM REMOVAL - DETAIL
SCALE: 1: 20



DETAIL 25
TOWER DIAPHRAGM TRIMMING DETAIL
SCALE: 1: 50



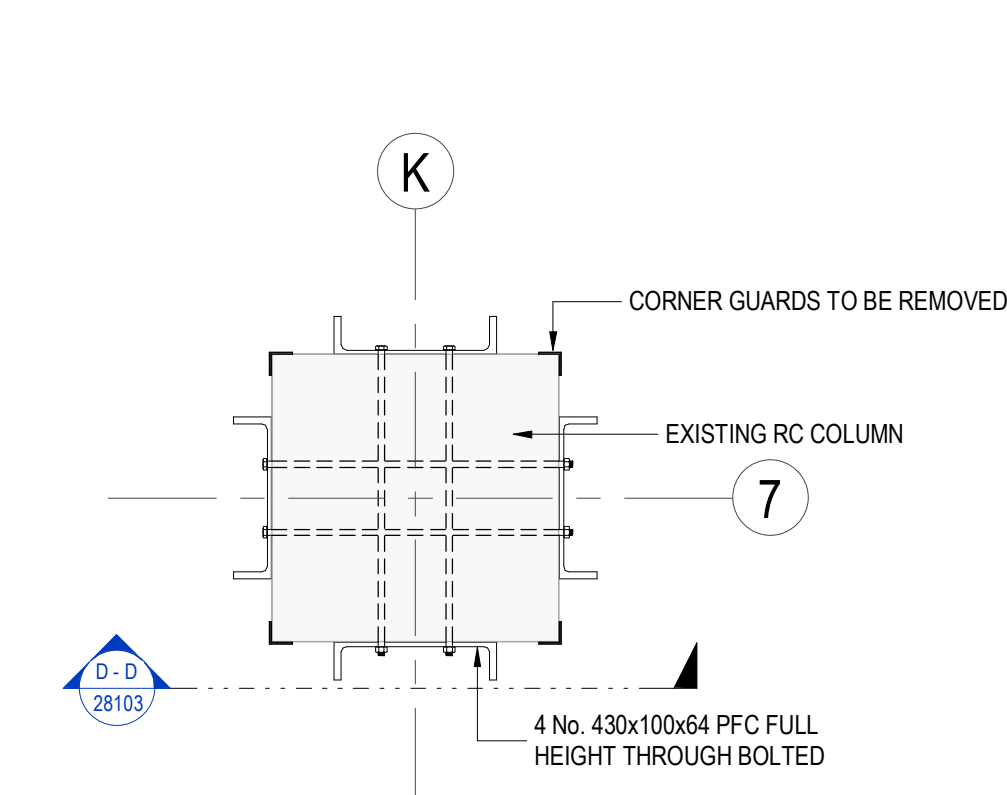
DETAIL C
TOWER DIAPHRAGM TRIMMING DETAIL - CONNECTION
SCALE: 1: 25



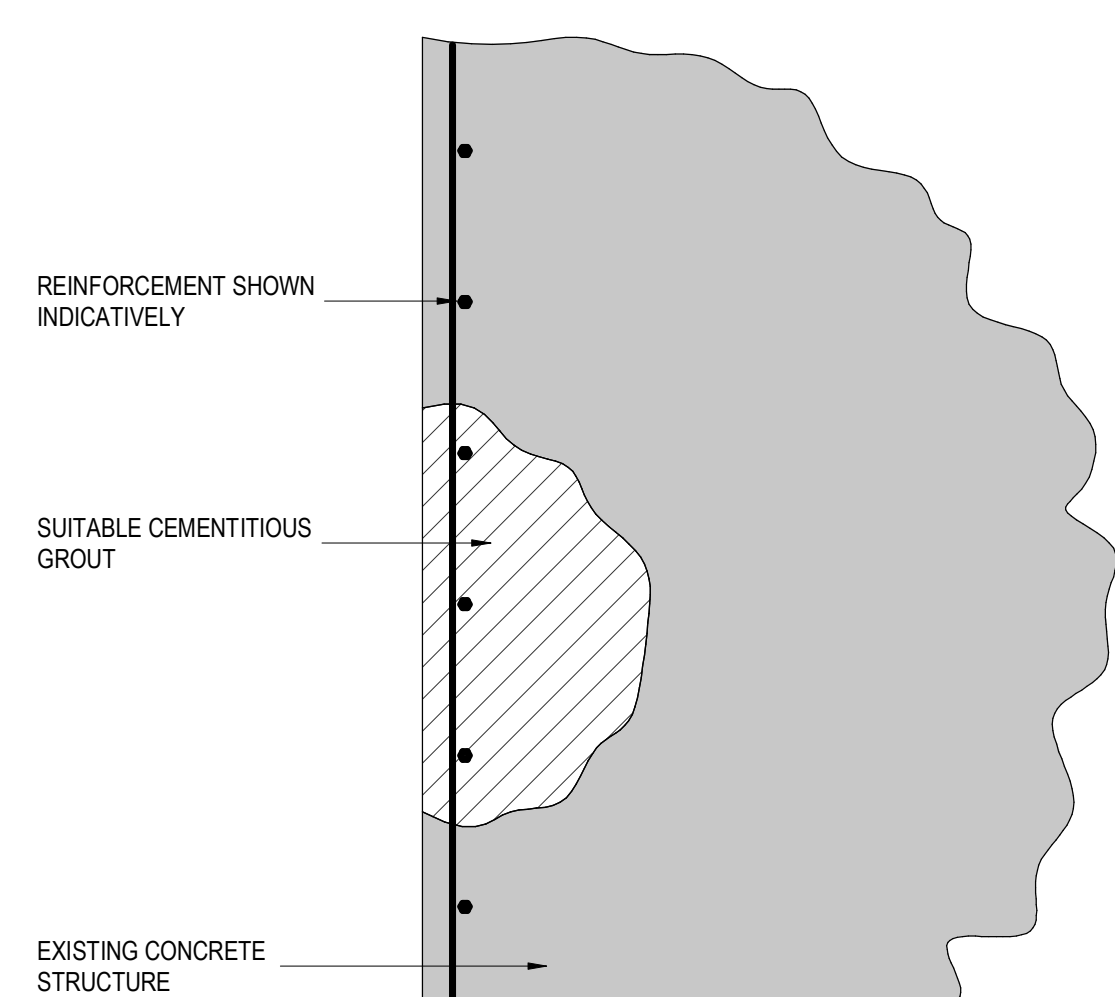
DETAIL 29
CONNECTION OF NEW STEEL COLUMN TO EXISTING RC FRAME
SCALE: 1: 20

- PODIUM EXTENSION - REMOVAL OF EXISTING LEVEL 05
- REMOVE ANY FINISHES OR FIXTURES WHICH ARE TO BE RETAINED AND SET ASIDE
 - PROVIDE TEMPORARY PROPPING AS NECESSARY TO ALLOW DEMOLITION
 - CAREFULLY BREAK DOWN THE EXISTING STRUCTURE, TAKING CARE NOT TO DAMAGE THE REMAINING PORTIONS
 - TREAT ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 - MAKE GOOD ANY AREAS OF DAMAGE IN ACCORDANCE WITH THE METHOD STATEMENT FOR THE TYPICAL PATCH REPAIR DETAIL

- PODIUM EXTENSION - ADDITION OF NEW STEEL FRAME
- PROVIDE TEMPORARY PROPPING AS NECESSARY
 - FOLLOWING DEMOLITION OF THE RC STRUCTURE ABOVE, TREAT ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 - MAKE GOOD ANY AREAS OF DAMAGE IN ACCORDANCE WITH THE METHOD STATEMENT FOR THE TYPICAL PATCH REPAIR DETAIL
 - DRILL HOLES INTO THE COLUMNS TO RECEIVE FIXINGS FOR TRANSFER BEAMS
 - INTRODUCE STEEL TRANSFER BEAMS
 - DRILL HOLES INTO THE SLABS / TOPS OF COLUMNS TO RECEIVE FIXINGS FOR NEW STEEL COLUMNS
 - INTRODUCE NEW STEEL MEMBERS AND FIX TO EXISTING STRUCTURE
 - MAKE GOOD ANY FINISHES AND INTERFACES BETWEEN NEW AND EXISTING STRUCTURE



DETAIL 26
COLUMN STRENGTHENING - PLAN
SCALE: 1: 20

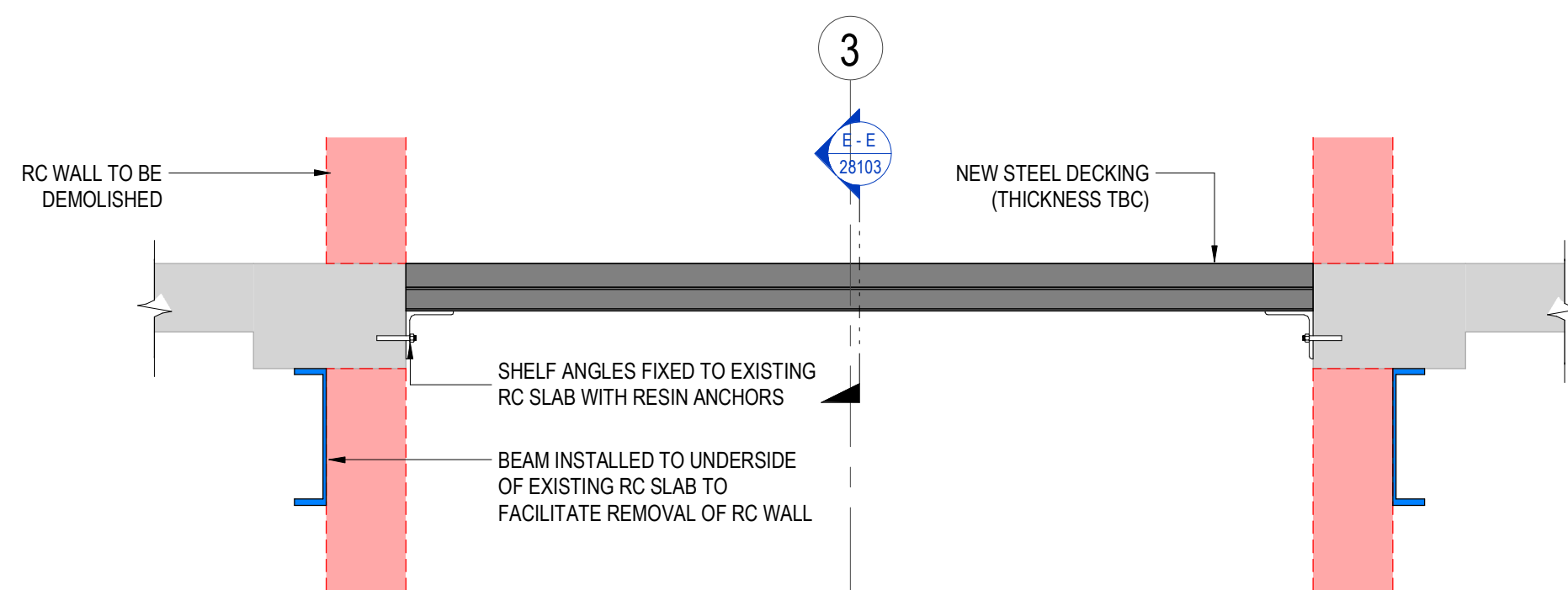


DETAIL 27
TYPICAL PATCH REPAIR
SCALE: 1: 10

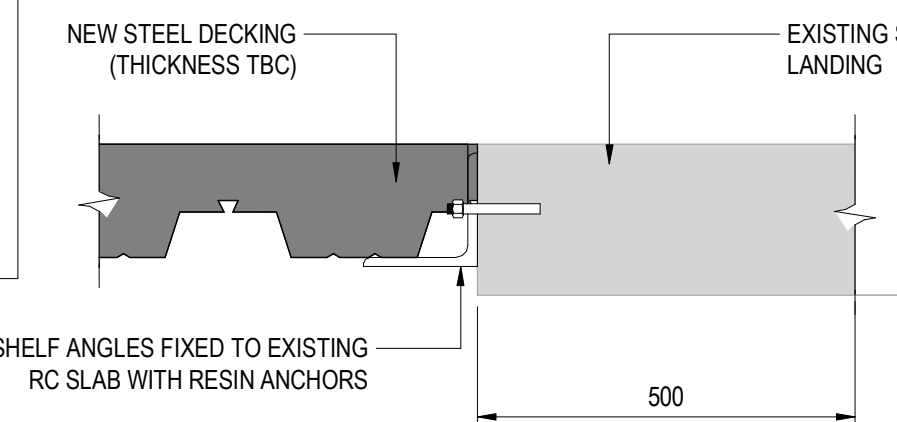
- COLUMN PFC STRENGTHENING AT GROUND AND MEZZ LEVELS (DETAIL TO FOLLOW ONCE DETAIL 'PARTIAL REMOVAL OF LEVEL 01 MEZZANINE' IS DONE)
- AS REQUIRED, DRILL HOLES INTO COLUMNS TO RECEIVE THROUGH BOLTS
 - INSTALL PFC SECTIONS FULL HEIGHT TO THE COLUMNS FACES
 - REINSTATE FINISHES TO THE EXISTING COLUMNS IF REQUIRED

- TYPICAL PATCH REPAIR DETAIL
- REMOVE ANY LOOSE CONCRETE
 - REMOVE ANY CORROSION PRODUCT USING A WIRE BRUSH
 - APPLY BONDING AGENT TO THE CONCRETE AND EXPOSED STEEL
 - APPLY A SUITABLE PATCHING MORTAR, TAKING CARE TO PLACE MORTAR BEHIND THE STEEL AND EXCLUDE ANY AIR POCKETS
 - FOLLOWING CURING OF THE PATCHING MORTAR, APPLY SURFACE FINISHES AS REQUIRED

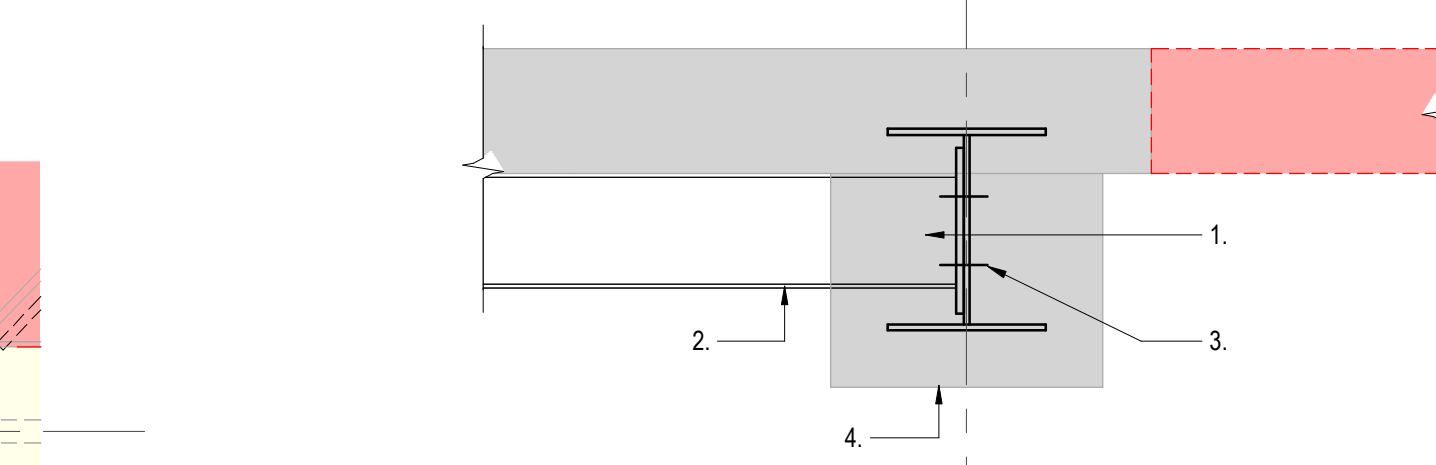
- REMOVAL OF STAIRCASE IN THE PODIUM
- CAREFULLY REMOVE FLOOR FINISHES AND / OR CEILINGS AS NECESSARY AND SET ASIDE FOR REUSE IF REQUIRED
 - PROVIDE TEMPORARY PROPPING TO THE FLOORS ADJACENT TO THE STAIR CORE AS REQUIRED
 - DRILL HOLES INTO THE ADJACENT WALLS / COLUMNS AS NECESSARY TO RECEIVE RESIN FIXINGS FOR TRIMMING STEELWORK
 - INSTALL TRIMMING STEELWORK, FIXED WITH RESIN ANCHORS
 - CAREFULLY BREAK DOWN THE EXISTING RC WALLS, WORKING FROM THE TOP LEVEL DOWNWARDS
 - TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 - AS REQUIRED, DRILL HOLES INTO THE EDGES OF THE REMAINING SLAB IN ORDER TO RECEIVE DOVEL BARS
 - INSTALL DOVEL BARS USING RESIN ANCHORS
 - INSTALL METAL DECKING AND POUR INSITU CONCRETE SLAB TO THE REQUIRED THICKNESS
 - REINSTATE FINISHES AS REQUIRED



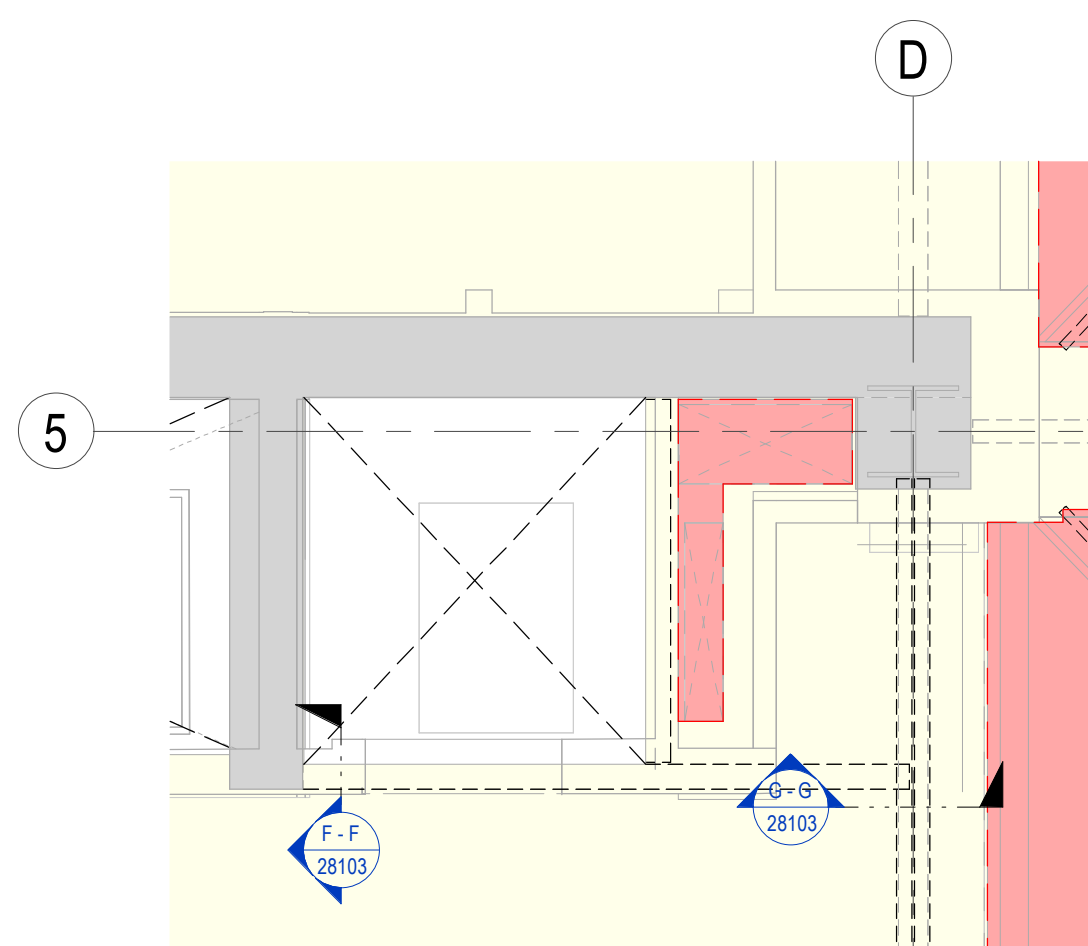
DETAIL 28
STAIR INFILL SECTION 1
SCALE: 1: 20



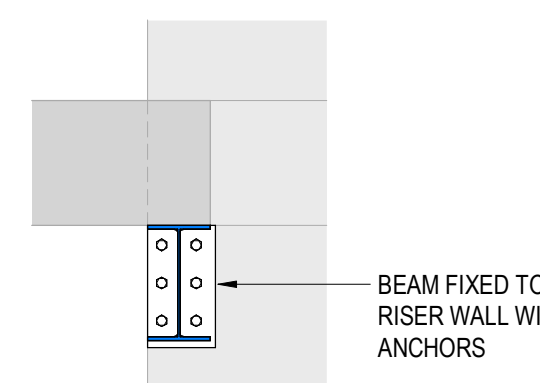
DETAIL E
STAIR INFILL DETAIL
SCALE: 1: 10



DETAIL G
RISER STEEL - CONCRETE ENCASED CONNECTION
SCALE: 1: 20

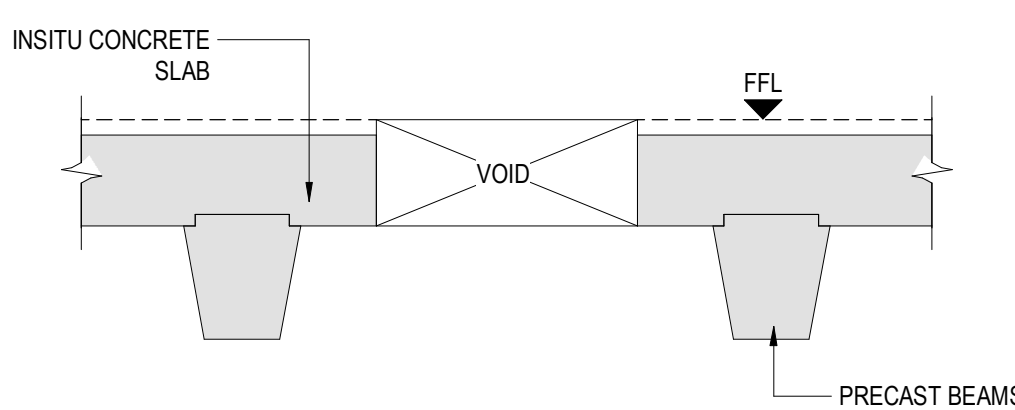


DETAIL 31
NEW RISER OPENINGS IN EXISTING CORE - PLAN
SCALE: 1: 50



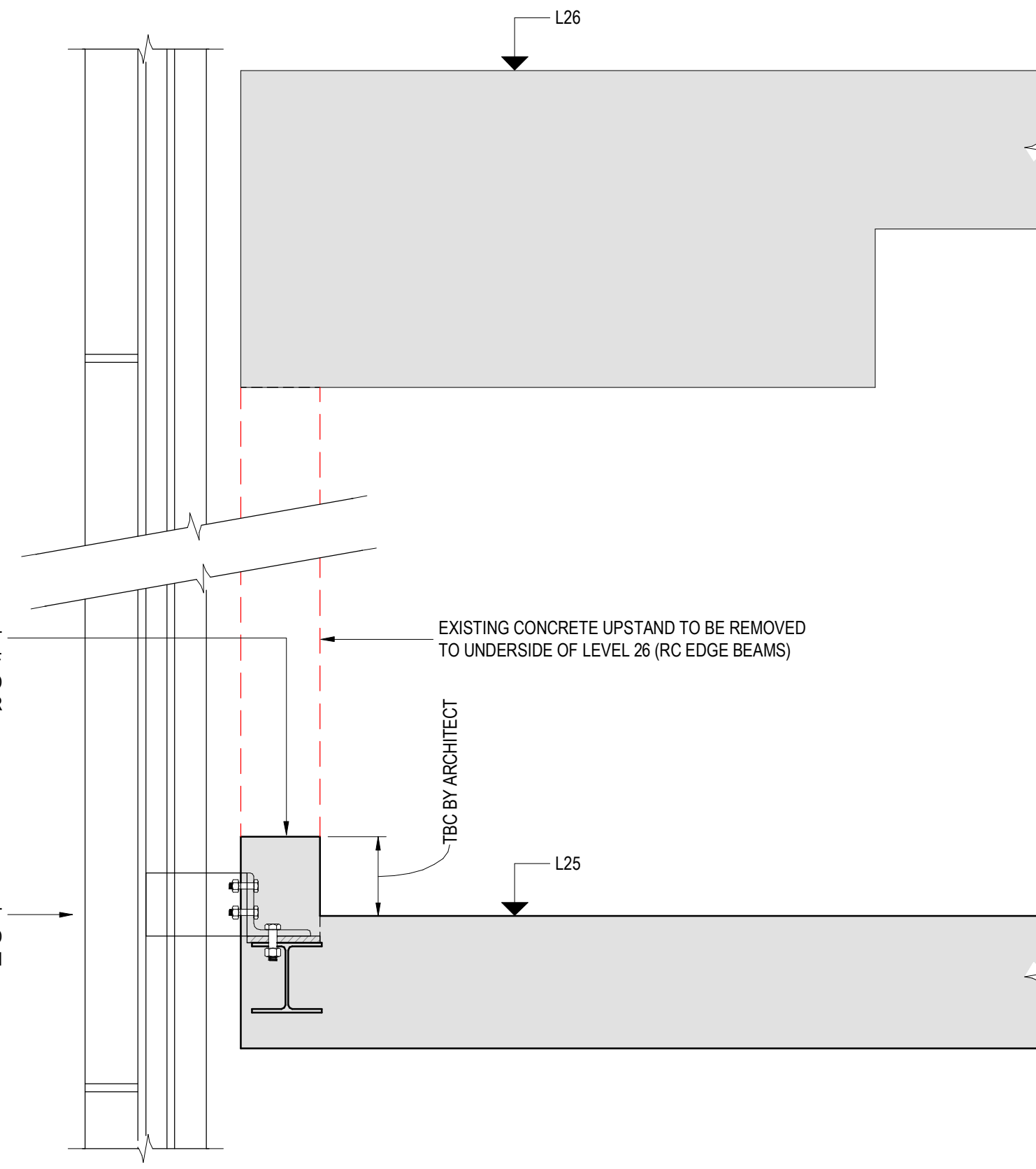
DETAIL F
RISER STEEL - END PLATE
SCALE: 1: 20

SECTION D-D
COLUMN STRENGTHENING - SECTION
SCALE: 1: 20



DETAIL 32
FORMING VOIDS IN FLOORS (TOWER)
SCALE: 1: 20

- FORMING VOIDS IN FLOORS (TOWER)
- NOTE: THIS METHOD STATEMENT IS INTENDED FOR THE FORMATION OF VOIDS OF MAXIMUM SIZE 300MM X 300MM
- CONFIRM THE SIZE AND POSITION OF THE PROPOSED FLOOR VOID IS ACCEPTABLE TO THE STRUCTURAL ENGINEER
 - PERFORM A FERROSCAN ON THE SURFACE OF THE SLAB TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
 - FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED VOID ON THE FLOOR SLAB
 - CAREFULLY REMOVE THE CONCRETE FROM THE PROPOSED VOID
 - TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 - INSTALL ANY FIRESTOPPING WHICH MAY BE REQUIRED
 - CONSTRUCT ANY ENCLOSING WALLS TO THE VOID BETWEEN FLOOR SLABS
 - REINSTATE CEILINGS AND FINISHES AS NECESSARY



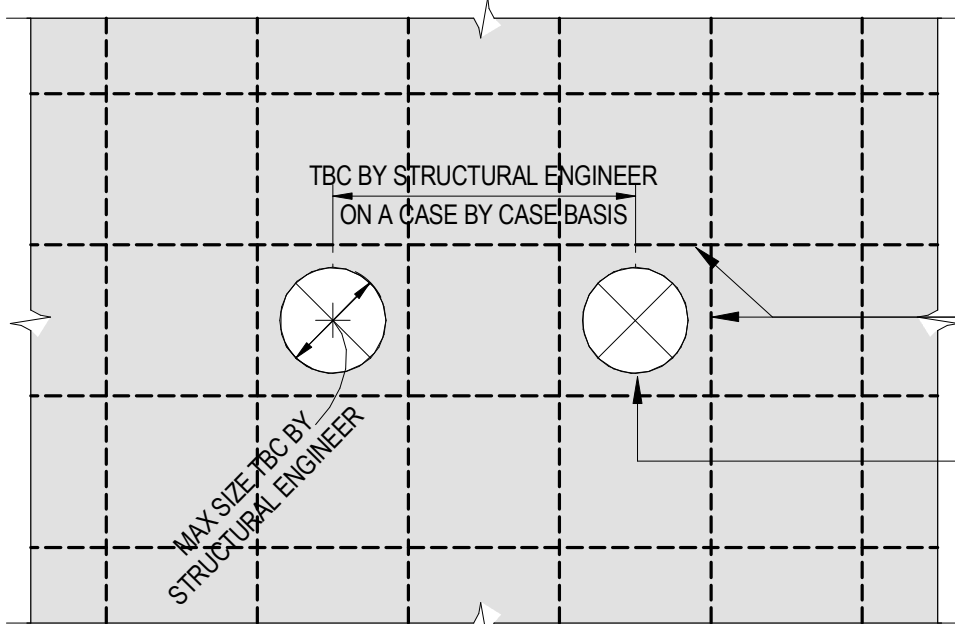
DETAIL 33
UPSTAND REMOVAL DETAIL
SCALE: 1: 10

- REMOVAL OF PERIMETER WALLS AT LEVEL 25
- AS NECESSARY, REMOVE OR MODIFY THE REQUIRED PORTIONS OF CURTAIN WALLING (TBC BY SPECIALIST)
 - REMOVE ANY WALL FINISHES AND SET ASIDE AS REQUIRED
 - USING HAND TOOLS ONLY, CAREFULLY BREAK DOWN THE EXISTING WALL TO THE REQUIRED LEVEL
 - TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
 - REINSTATE FINISHES AS REQUIRED AND MAKE GOOD

GENERAL NOTES:

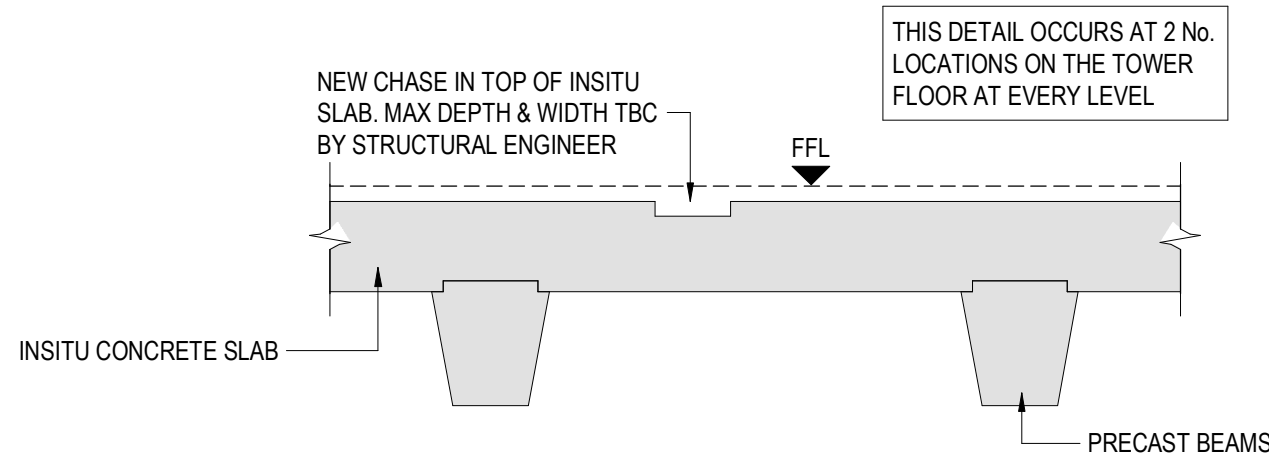
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
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- FOR GENERAL NOTES REFER TO DRAWING.

P02	STAGE 2		28.03.25	SW	KG
P01	DRAFT STAGE 2		14.03.25	SW	KG
Rev:	Description:		Date:	By:	Chkd:
Curtins Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG 0161 236 2264 enquiries@curtins.com www.curtins.com Core & Structure - Project Planning - Development - Infrastructure - Construction - Commissioning & Handover - Project Support Birmingham - Bristol - Cardiff - Glasgow - Leeds - Edinburgh - Glasgow - Manchester - Leeds - Liverpool - London - Manchester - Nottingham					
Status					
STAGE 2					
Project					
PROJECT SAM					
Orig Title:					
STRUCTURAL ALTERATION DETAILS FOR BUILDING CONSENT SHEET 4					
Drawn By		Designed By		Checked By	
SW		KG		MA	
Date		MAR 25		Scale @ A3	
Project No - Originator - Function - Spatial - Form - Discipline - Number				As indicated	
085832 - CUR - 00 - ZZ - D - S - 28103				P02	



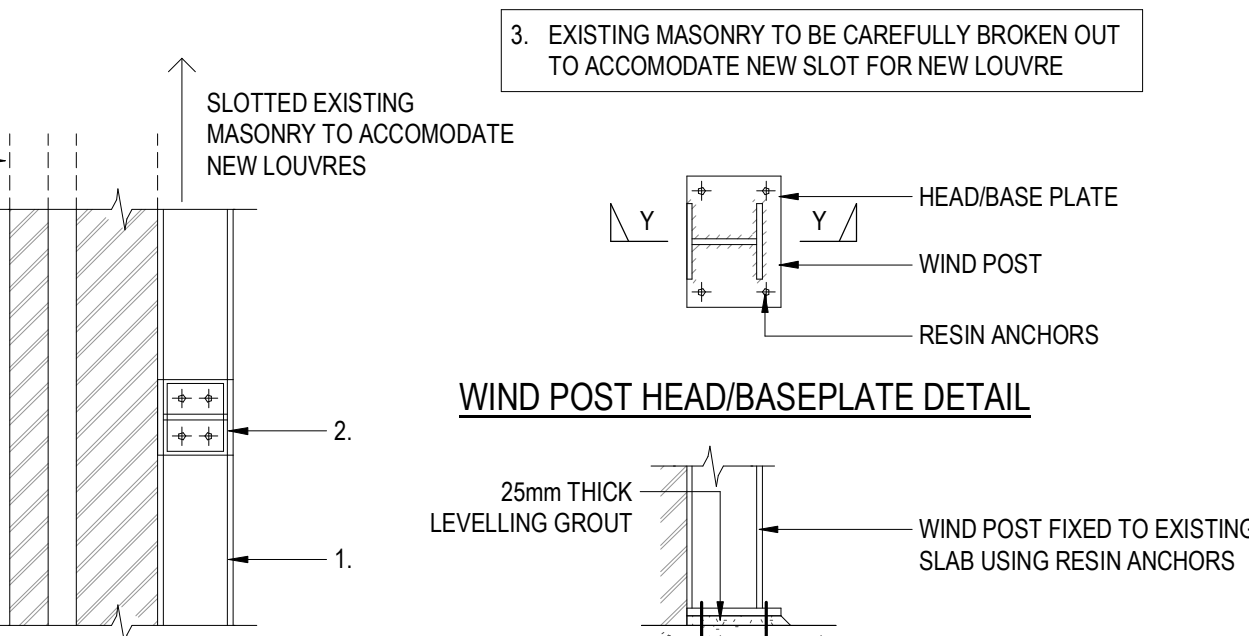
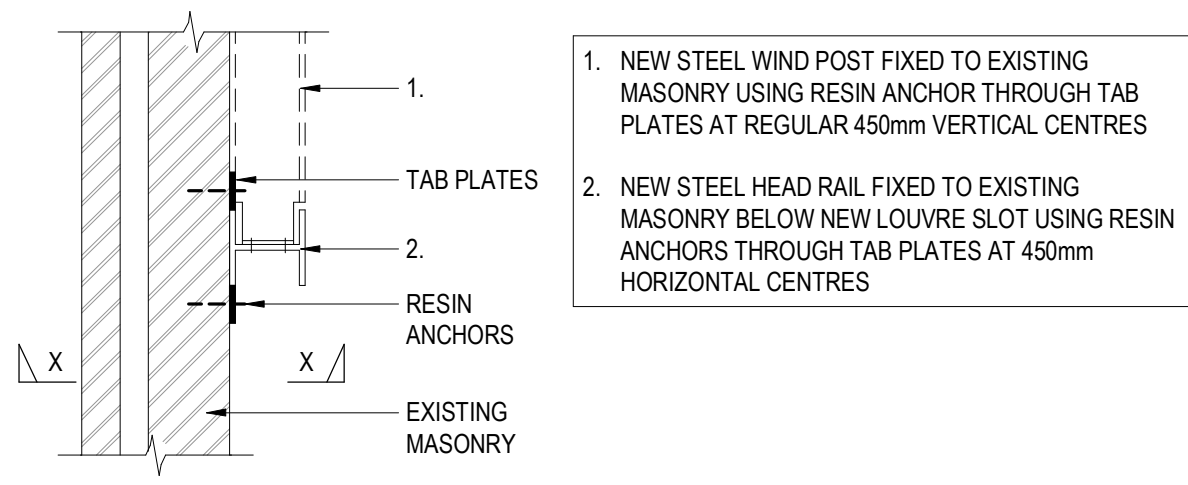
DETAIL 34
CORE DETAIL
SCALE: 1: 10

FORMING OPENINGS IN WALLS
NOTE: THIS METHOD STATEMENT IS INTENDED FOR SMALL OPENINGS ONLY, TO BE ACHIEVED BY CORE DRILLING.
1. CONFIRM THE SIZE AND POSITION OF THE PROPOSED OPENING IS ACCEPTABLE TO THE STRUCTURAL ENGINEER
2. PERFORM A FERROSCAN ON THE ACCESSIBLE FACES OF THE WALL TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED OPENING ON THE WALL
4. FORM THE OPENING BY MEANS OF CORE DRILLING
5. INSTALL / REINSTATE WALL FINISHES AS REQUIRED



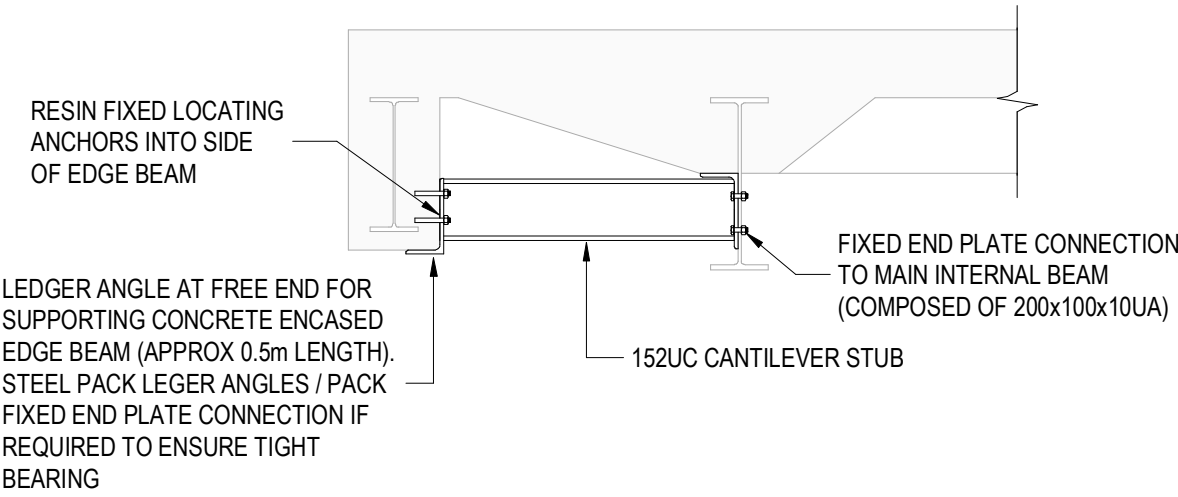
DETAIL 35
CHASE IN SLAB DETAIL
SCALE: 1: 20

FORMING NEW TRUNKING ROUTES IN FLOORS
1. CAREFULLY REMOVE ANY FLOOR FINISHES AND SET ASIDE AS REQUIRED
2. PERFORM A FERROSCAN ON THE SURFACE OF THE SLAB TO DETERMINE THE POSITIONS OF ANY REINFORCEMENT OR EMBEDDED ITEMS WHICH MAY BE PRESENT
3. FOLLOWING THE RESULTS OF THE FERROSCAN, MARK OUT THE PROPOSED TRUNKING ROUTES ON THE FLOOR SLAB
4. USING HAND TOOLS, CHASE OUT THE TRUNKING ROUTES TO THE SPECIFIED DEPTH
5. TREAT THE ENDS OF ANY EXPOSED REINFORCEMENT WITH A ZINC-RICH PRIMER TO PREVENT CORROSION
6. INSTALL TRUNKING
7. REINSTATE FINISHES AS REQUIRED



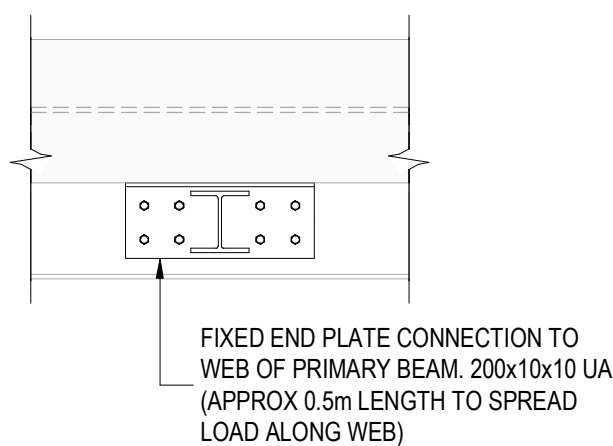
DETAIL 36
EXISTING MASONRY SUPPORT TO ACCOMMODATE
NEW LOUVRES
SCALE: 1: 20

INTRODUCTION OF LOUVRES ABOVE MASONRY PANELS
1. FOLLOWING REMOVAL OF THE MASONRY PANEL (SEE METHOD STATEMENT ASSOCIATED WITH DETAIL XX), CAREFULLY REMOVE ANY FINISHES T THE ADJACENT RC COLUMNS TO FACILITATE CONNECTION OF NEW STEEL MEMBERS
2. DRILL HOLES AS NECESSARY TO ACCOMMODATE RESIN ANCHORS
3. INTRODUCE NEW STEEL MEMBERS AND INSTALL RESIN ANCHORS
4. MAKE GOOD / REINSTATE FINISHES TO COLUMN

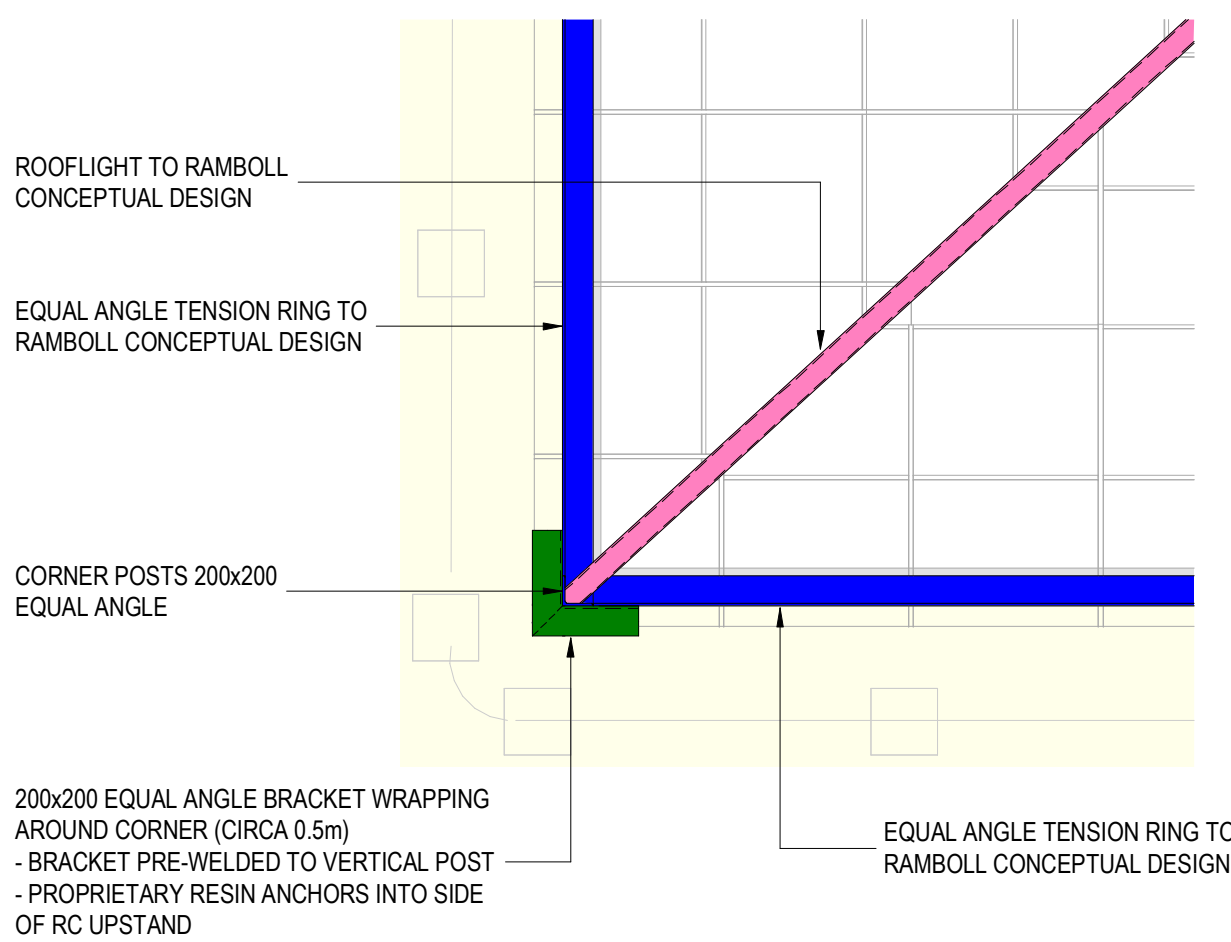


SUPPLEMENTARY FACADE BEAM
SECTION
SCALE: 1: 20

INSTALLATION OF SUPPLEMENTARY BEAMS SUPPORTING BUILDING FACADE
1. SITE MEASURE ALL INSTANCES (ALL STOREYS)
2. FABRICATE STEELS
3. OFFER UP AND DRILL INTO IN-BOARD BEAMS
4. INSTALL STEEL ONTO IN-BOARD BEAMS, STEEL PACK / TIGHTEN BOLTED CONNECTION TO PICK UP EDGE BEAM
5. SITE-DRILL LOCATING FIXINGS INTO EDGE BEAM

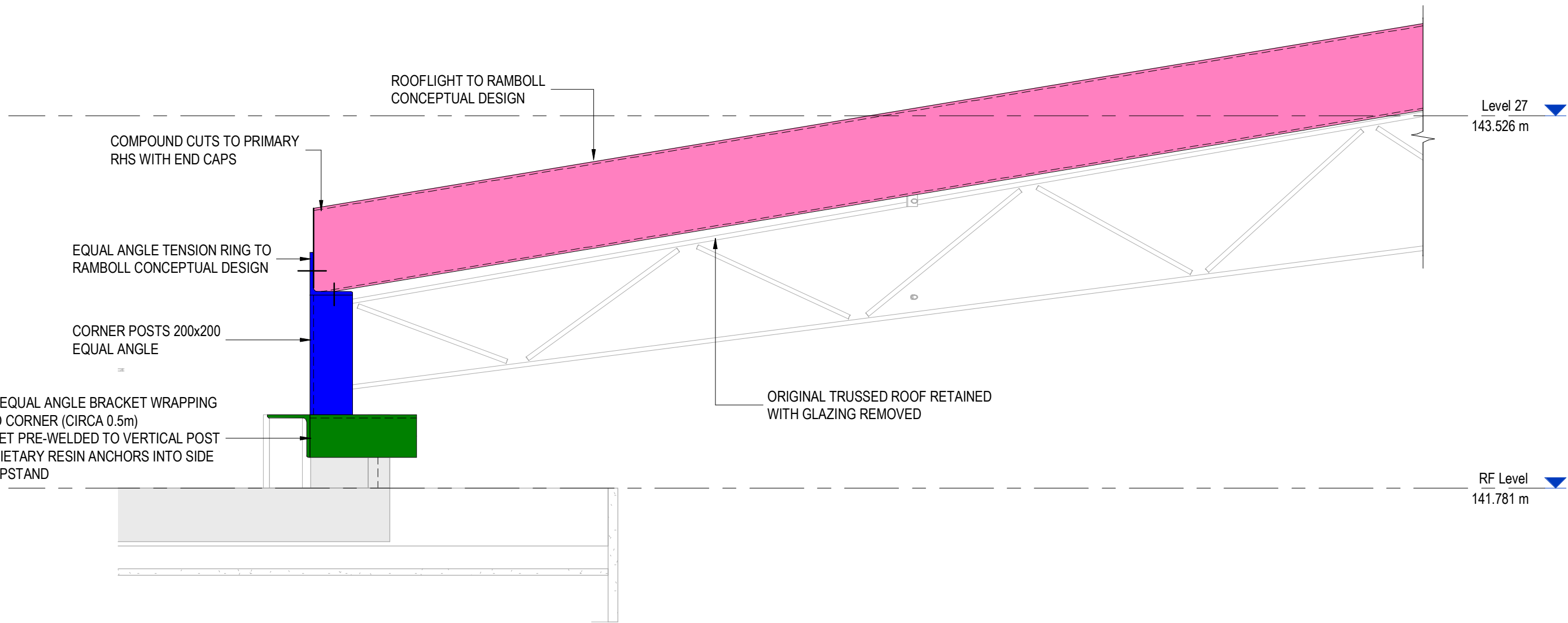


SUPPLEMENTARY FACADE BEAM
ELEVATION
SCALE: 1: 20



ROOF OVER ROOFLIGHT OPTION -
PLAN
SCALE: 1: 50

ROOFLIGHT TO RAMBOLL
CONCEPTUAL DESIGN
EQUAL ANGLE TENSION RING TO
RAMBOLL CONCEPTUAL DESIGN
CORNER POSTS 200x200
EQUAL ANGLE
200x200 EQUAL ANGLE BRACKET WRAPPING
AROUND CORNER (CIRCA 0.5m)
- BRACKET PRE-WELDED TO VERTICAL POST
- PROPRIETARY RESIN ANCHORS INTO SIDE
OF RC UPSTAND
EQUAL ANGLE TENSION RING TO
RAMBOLL CONCEPTUAL DESIGN



ROOF OVER ROOFLIGHT OPTION -
SECTION
SCALE: 1: 20

METHOD STATEMENT
1. CAREFULLY REMOVE EXISTING GLAZING & REMOVE SLAB UPSTAND FINISHES LOCALLY TO ALLOW FABRICATOR SURVEY OF PROPOSED STEEL CONNECTION LOCATIONS
2. DEVELOP FABRICATION DRAWINGS WHILE EXISTING ROOF IS REFURBISHED (REPAINTED)
3. OFFER UP POST & CONNECTION BRACKETS TO CONCRETE UPSTAND FOR MARKING HOLES
4. INSTALL RESIN ANCHORS TO ANCHOR MANUFACTURER'S DOCUMENTATION
5. AFTER ANCHORS HAVE CURED (SUPPLIER GUIDANCE), BOLT ON STEELWORK
6. INSTALL WATERPROOFING OVER STEEL PLATES TO ARCHITECT / SPECIALIST SUBCONTRACTOR DETAILS

GENERAL NOTES:

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PROJ	STAGE 2		28.03.25	SW	KG
P01	DRAFT STAGE 2		14.03.25	SW	KG
Rev	Description		Date	By	Chkd
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Status: STAGE 2					
Project: PROJECT SAM					
Orig Title: STRUCTURAL ALTERATION DETAILS FOR BUILDING CONSENT SHEET 5					
Dig Title:					
Drawn By					
Designed By					
Checked By					
Date					
Scale @ A3					
MAR '25					
As indicated					
Project No - Originator - Function - Spatial - Form - Discipline - Number					
085832 - CUR - 00 - ZZ - D - S - 28104					
Revision:					
P02					

085832-0160-00-ZZ-04-S-0010