



<b>TAL-CO SUPPLEMENTAL INSTRUCTION #85</b>			
<b>Water Wall Detail</b>			
Project Name:	<b>RW TOMLINSON - NEW HEAD OFFICE</b>		
Project Location:	<b>100 CitiGate Drive, Ottawa, Ontario</b>		
ARCH. SI #:	<b>Various</b>	Issued By:	<b>Farah Bano</b>
STRUC. SI #:	<b>N/A</b>	Date Issued:	<b>February 23, 2018</b>
MECH. SI #:	<b>N/A</b>	Revision #:	<b>N/A</b>
ELEC. SI #:	<b>N/A</b>	Revision Date:	<b>N/A</b>

Supplemental Instructions are issued by the Construction Manager to record a clarification or revision to the previously issued Contract Documentation as reflected by the attached information prepared by the identified Professionals.

The Construction Manager shall review the Supplemental Instruction and the attached information and issue to the affected Trade Contractors identifying the following course of action by the Trade Contractor.

Notify TAL-CO within 5 days of receipt, if the attached documents will require a change to Contract Price or Schedule.

**TITLE: Water Wall Detail**

**Reference:**

Architectural Construction Update 28-Jul-2017

**Attachments:**

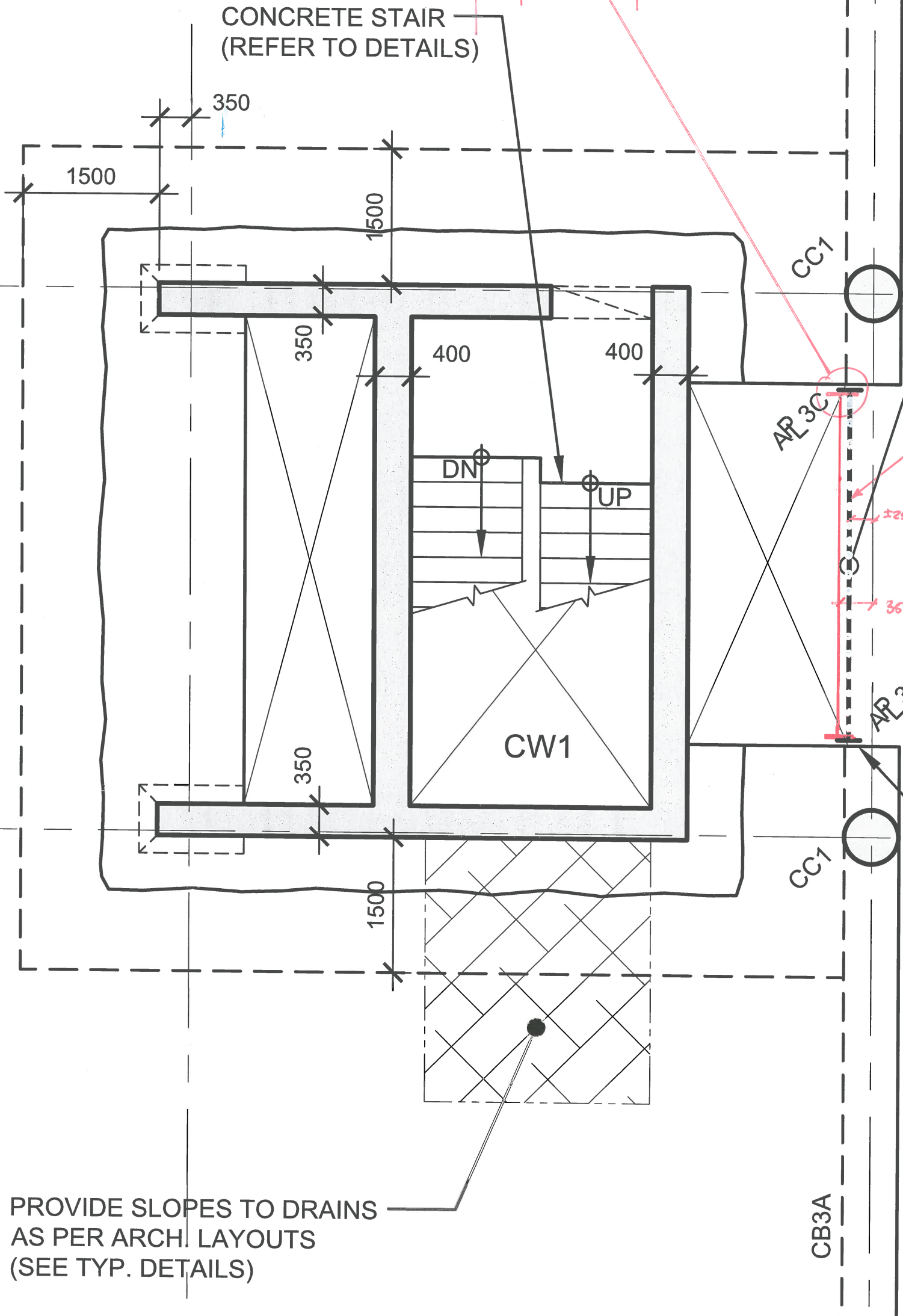
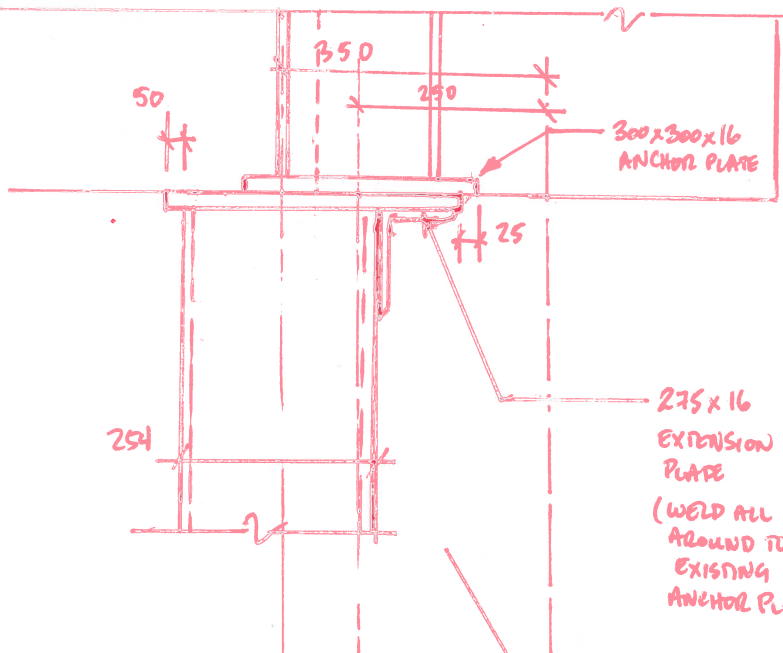
- ASK-217
- ASK-218
- ASK-219
- Basin Sketch
- Cleland Jardine Mark-Ups

**Description of the work:**

Structural, Architectural & Basin detail provided for Water Wall

**Reason:**

For clarification and detail



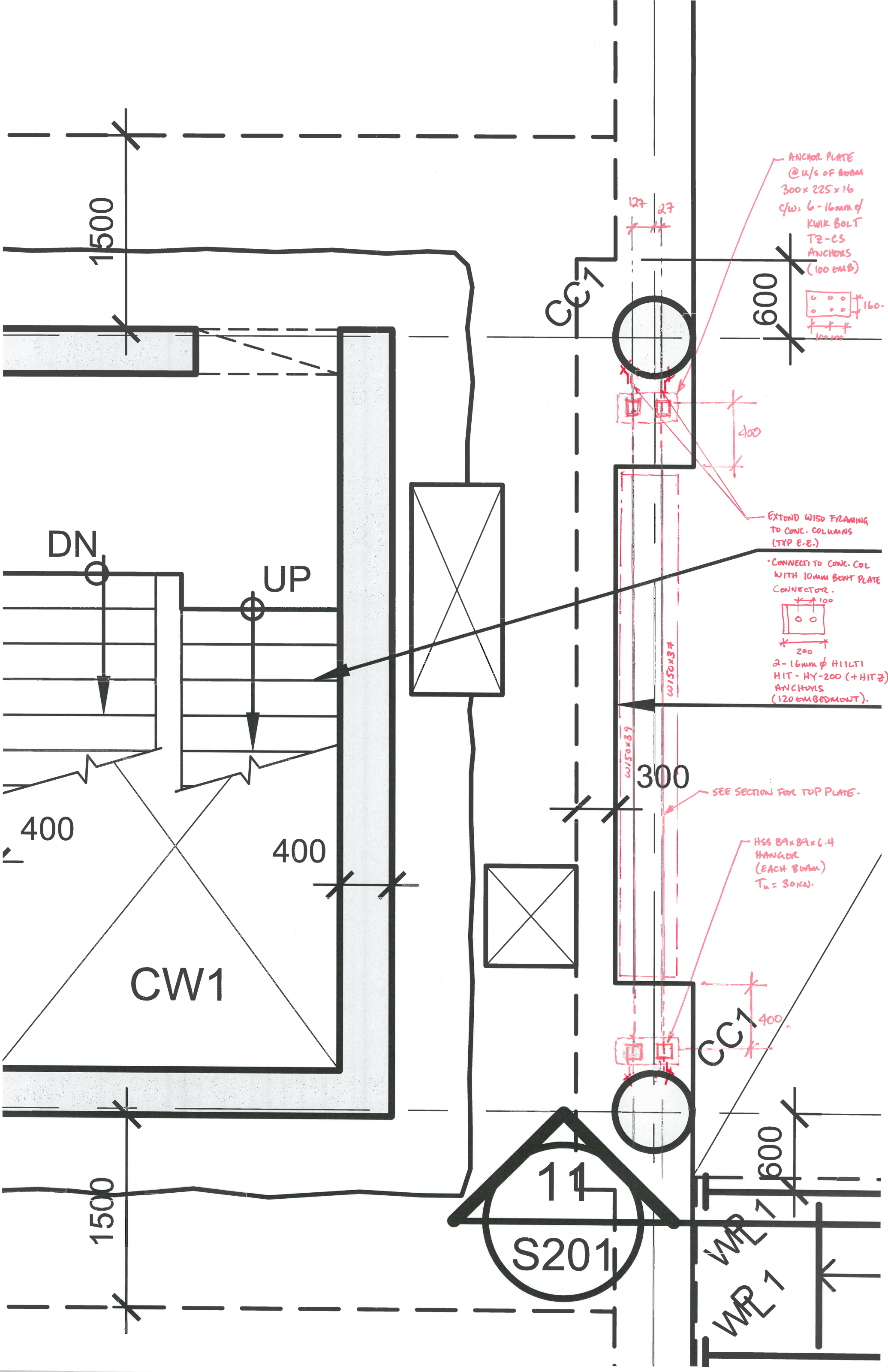
PARTITION SU  
 HSS 254x152x  
 c/w: AP 2B E.E  
 - CONTRACT  
 PIPES/DUCT  
 SUPPORTED  
 DETAILS) PF  
 FOR GIRT (T

PRE-ENG. STE  
 (REFER TO AP

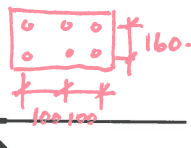
REMOVE EXISTING HSS 254 x 152  
 AND REPLACE WITH NEW  
 HSS 254x254x9.5.

AP 3C: 300x30  
 c/w: 4-20mmØ  
 - PROVIDE 1-1  
 ADD'L AT BEN  
 BACK SIDE OF

PROVIDE SLOPES TO DRAINS  
 AS PER ARCH. LAYOUTS  
 (SEE TYP. DETAILS)



ANCHOR PLATE  
@ U/S OF BEAM  
300 x 225 x 16  
C/W: 6-16mm  $\phi$   
KWIK BOLT  
T2-CS  
ANCHORS  
(100 EMB)

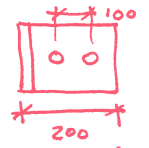


600

400

EXTEND W/SD FRAMING  
TO CONC. COLUMN  
(TYP E-E.)

CONNECT TO CONC. COL  
WITH 10MM BENT PLATE  
CONNECTOR.



2-16mm  $\phi$  HILTI  
HIT-HY-200 (+ HIT  $\phi$ )  
ANCHORS  
(120 EMBEDMENT).

W/SD x 37

W/SD x 89

300

SEE SECTION FOR TOP PLATE.

HSS 89x89x6.4  
HANGER  
(EACH BEAM)  
 $T_u = 30kN$ .

400

600

11  
S201

WPL 7  
WPL 7

1500

DN

UP

400

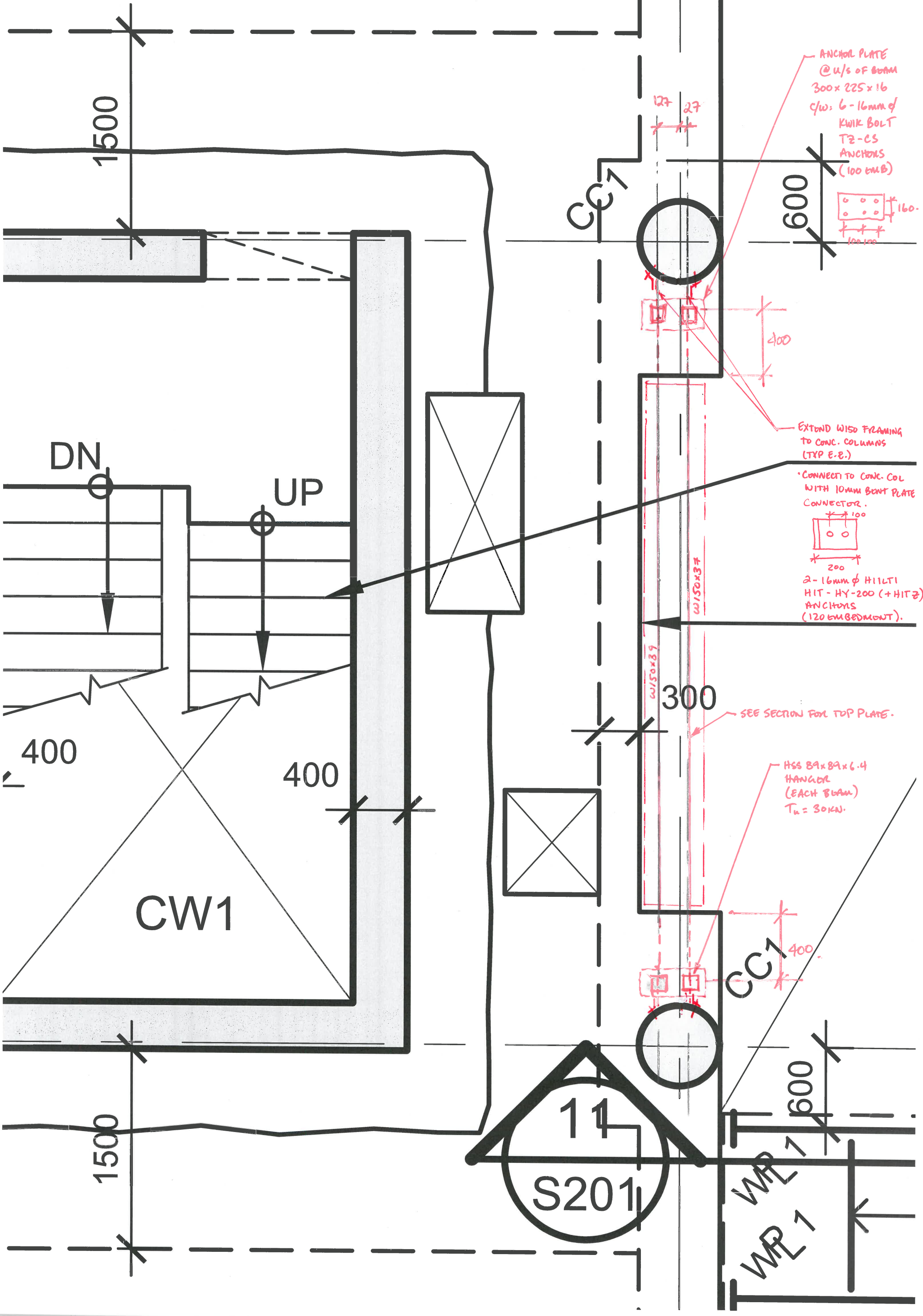
400

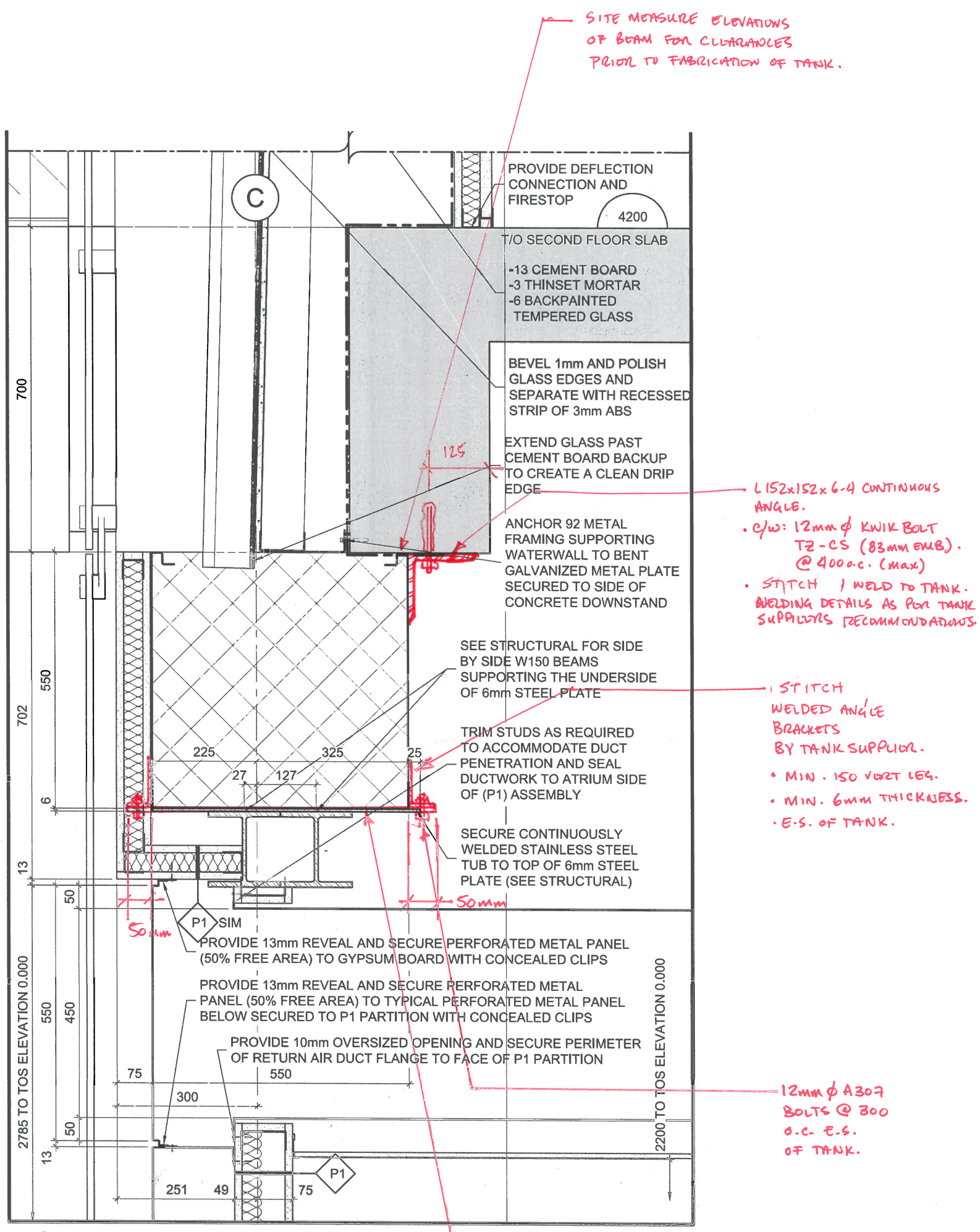
CW1

1500

CC7

CC7





SITE MEASURE ELEVATIONS OF BEAM FOR CLEARANCES PRIOR TO FABRICATION OF TANK.

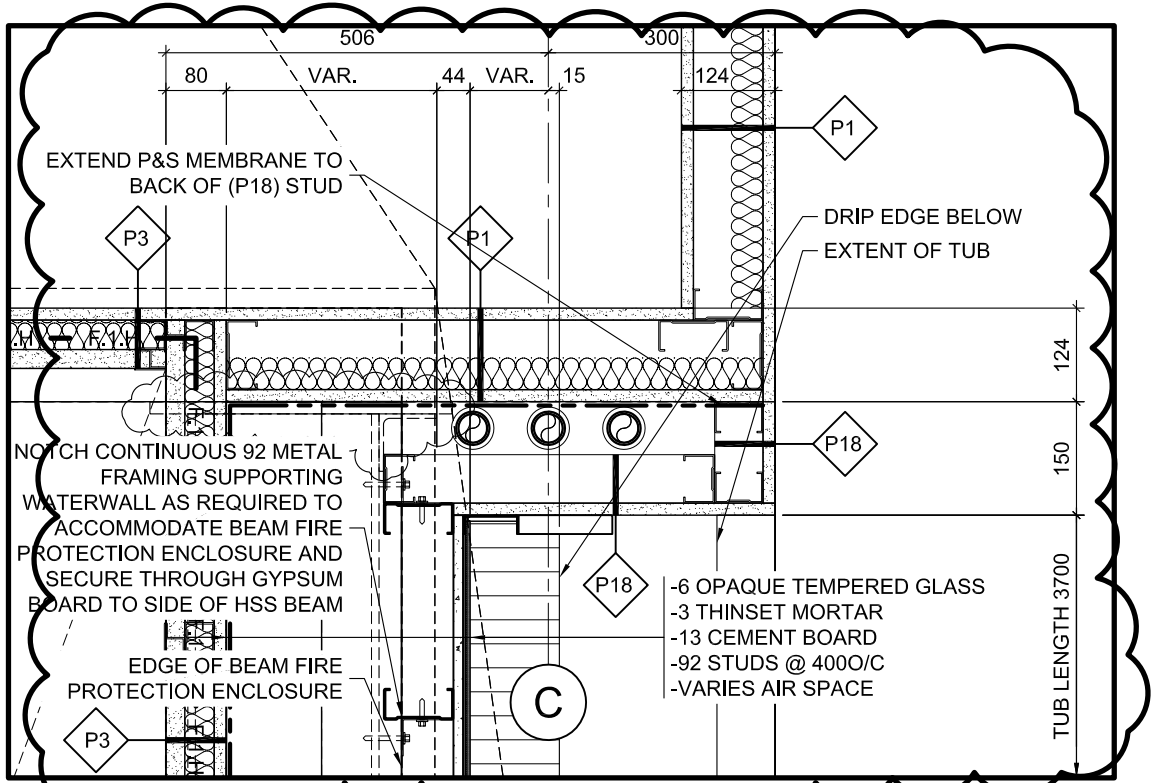
- L 152x152x6-4 CONTINUOUS ANGLE.
- c/w: 12mm  $\phi$  KWIK BOLT T2-CS (83mm  $\phi$ MB). @ 400 o.c. (max)
- STITCH 1 WELD TO TANK. WELDING DETAILS AS PER TANK SUPPLIER'S RECOMMENDATIONS.

- 1 STITCH WELDED ANGLE BRACKETS BY TANK SUPPLIER.
- MIN. 150 VERT LEG.
- MIN. 6mm THICKNESS.
- E.S. OF TANK.

12mm  $\phi$  A307 BOLTS @ 300 o.c. E.S. OF TANK.

**2 WATERFEATURE DETAIL**  
A604 SCALE = 1:10

10mm TOP PLATE.  
- WELD TO W150 FRAMING BEAM  
- WELD TO SUPPORT:  
 $V_{HORIZ} = 10 \text{ kN/m} \leftrightarrow$   
 $V_{HORIZ} = 10 \text{ kN/m}$  (ALONG LENGTH)  
 $T_{UP} = 10 \text{ kN/m} \downarrow$



**20 TYPICAL WATER FEATURE DETAIL**  
 A503 SCALE = 1:10



THE ANNEX / 450 CECIL ST. OTTAWA ON K1R 6S3  
 613.567.7888 PHONE / 613.567.7528 FAX  
 csarchitect.com



PROJECT:  
 TOMLINSON NEW BUILDING

DRAWING TITLE:  
 REF. REVISED DETAIL AS INDICATED

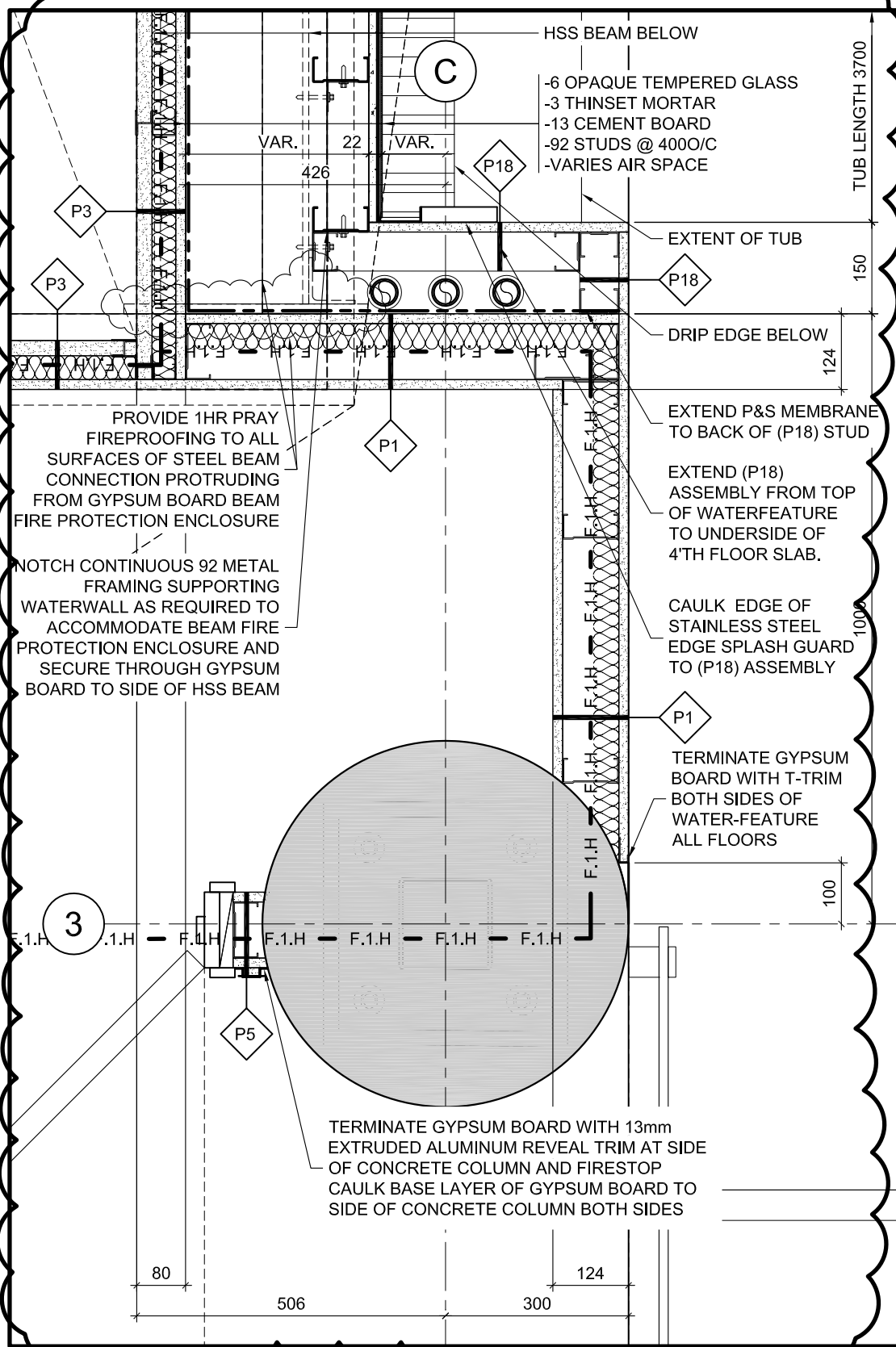
DATE: 12/13/2017

SCALE: AS INDICATED

DRAWN BY: JK

JOB No: 574-15

DRAWING No:  
**ASK-217**



**21 TYPICAL COLUMN WALL CONNECTION**  
SCALE = 1:10  
A503



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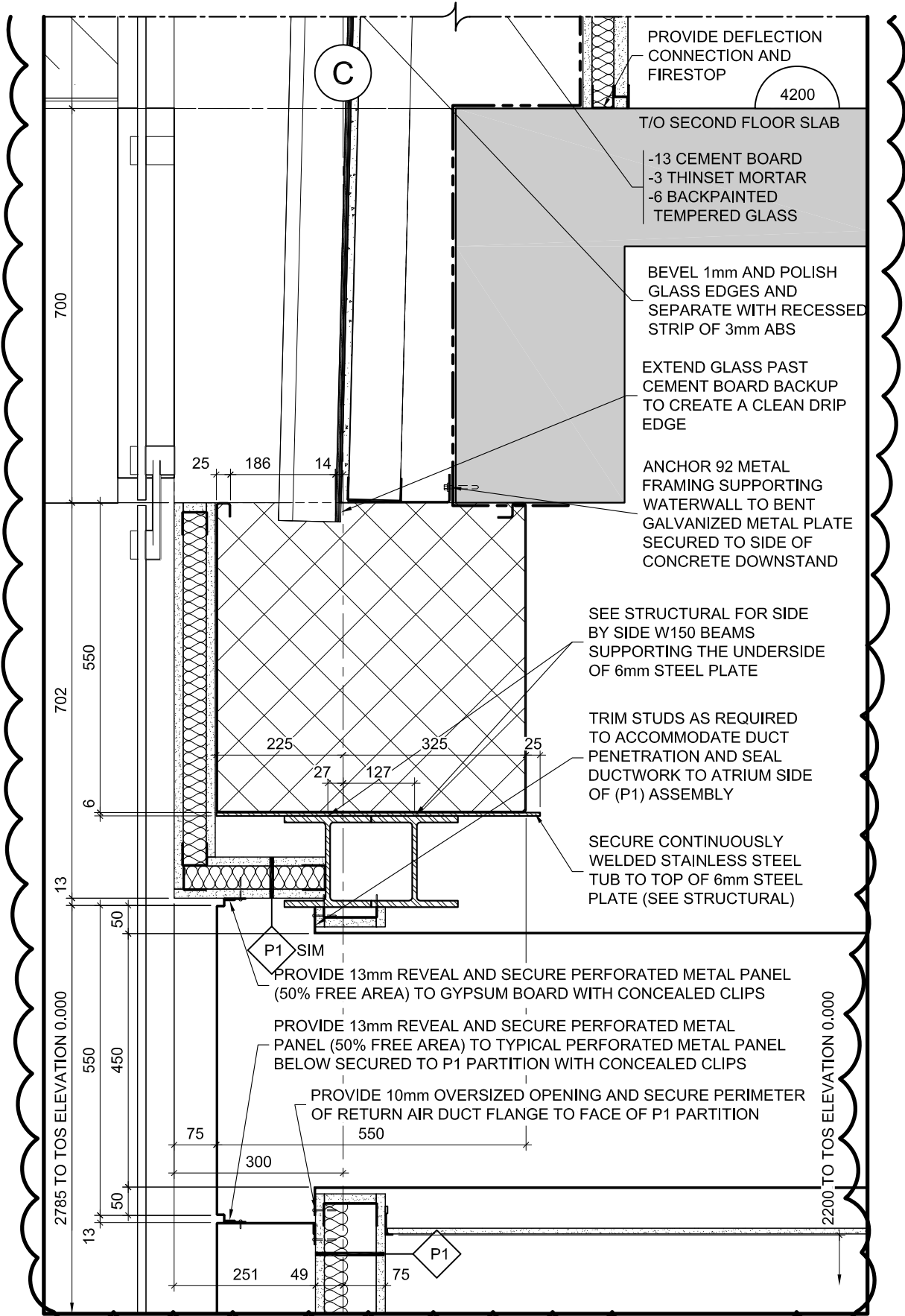


PROJECT:  
**TOMLINSON NEW BUILDING**

DRAWING TITLE:  
**REF. REVISED DETAIL AS INDICATED**

DATE: 12/13/2017  
SCALE: AS INDICATED  
DRAWN BY: JK  
JOB No: 574-15  
DRAWING No:

**ASK-218**



2  
A604

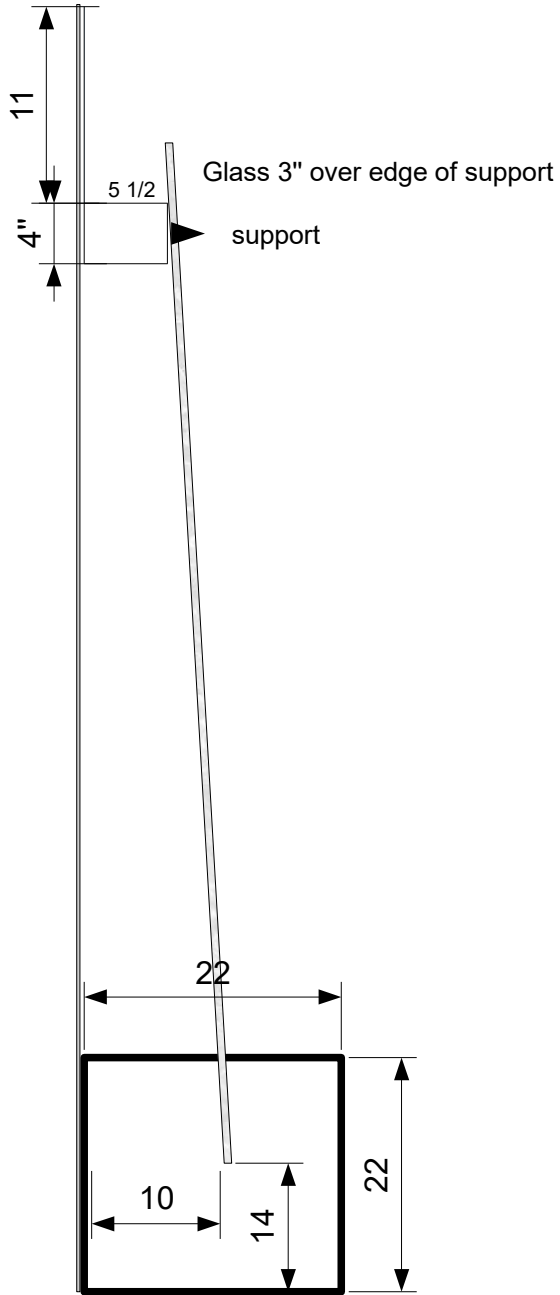
**PARTIAL WATERFEATURE DETAIL**

SCALE = 1:10



PROJECT: TOMLINSON NEW BUILDING	DATE: 12/13/2017
DRAWING TITLE: REF. PART. REV'D DET. AS INDICATED	SCALE: AS INDICATED
	DRAWN BY: JK
	JOB No: 574-15
	DRAWING No: <b>ASK-219</b>

# Piping installed behind water support structure



Pipe PVC 1 1/2

