



TAL-CO SUPPLEMENTAL INSTRUCTION #85-R2			
Water Wall Detail			
Project Name:	RW TOMLINSON - NEW HEAD OFFICE		
Project Location:	100 CitiGate Drive, Ottawa, Ontario		
ARCH. SI #:	Various	Issued By:	Farah Bano
STRUC. SI #:	N/A	Date Issued:	February 23, 2018
MECH. SI #:	N/A	Revision #:	2
ELEC. SI #:	N/A	Revision Date:	March 14, 2018

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 (2-Mar-18)

ASK-218 (2-Mar-18)

ASK-219 (13-Mar-18)

ASK-220

Basin Sketch

Cleland Jardine Mark-Ups

Water Feature Wall - Keller Engineering

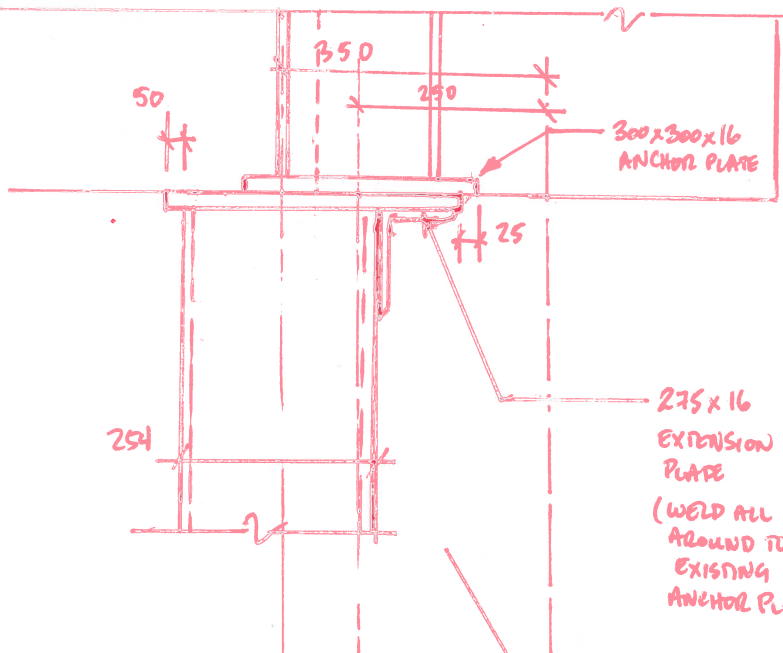
Description of the work:

Structural, Architectural & Basin detail provided for Water Wall

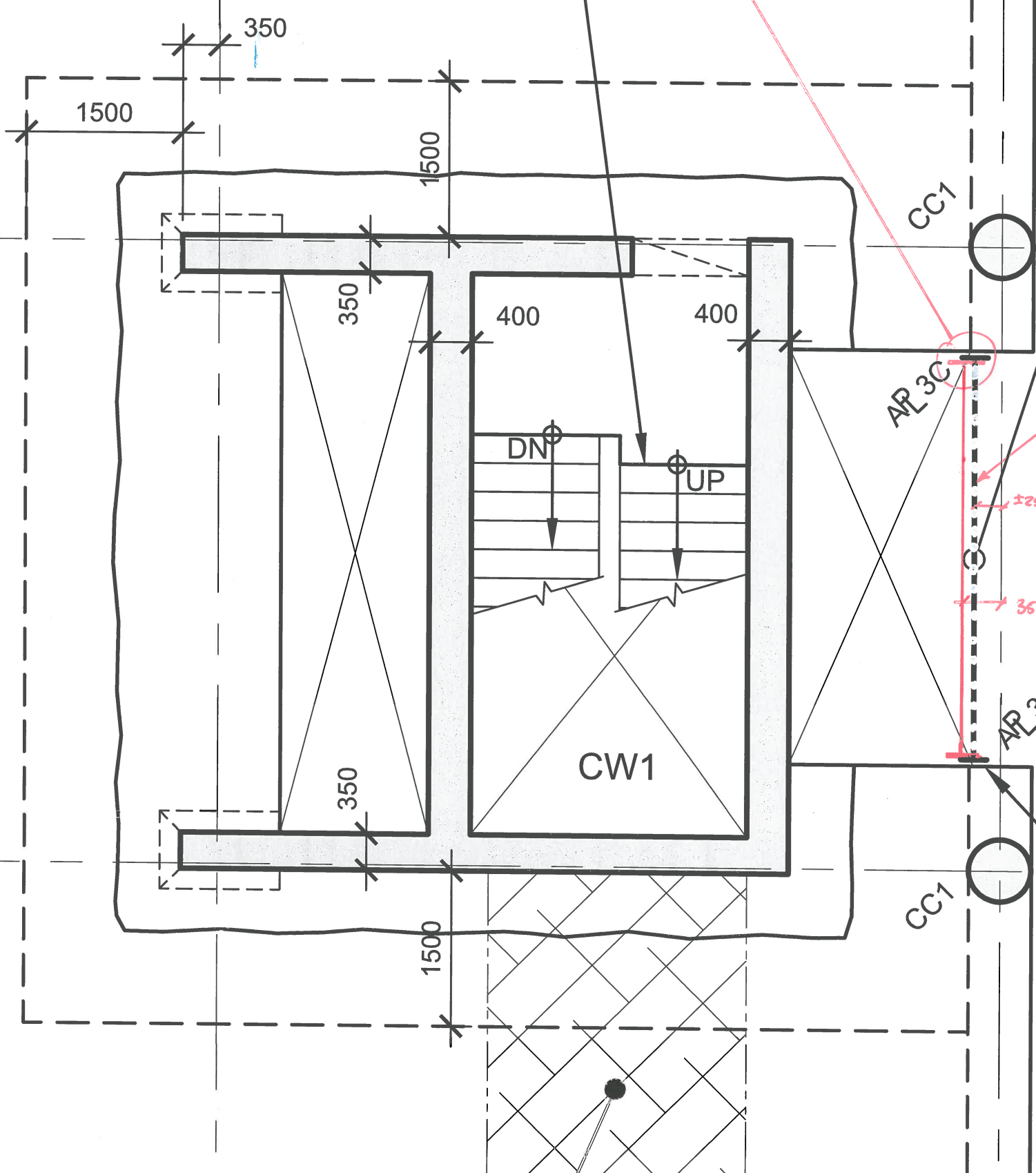
Revised detail provided for Water Wall

Reason:

For clarification and detail



CONCRETE STAIR (REFER TO DETAILS)

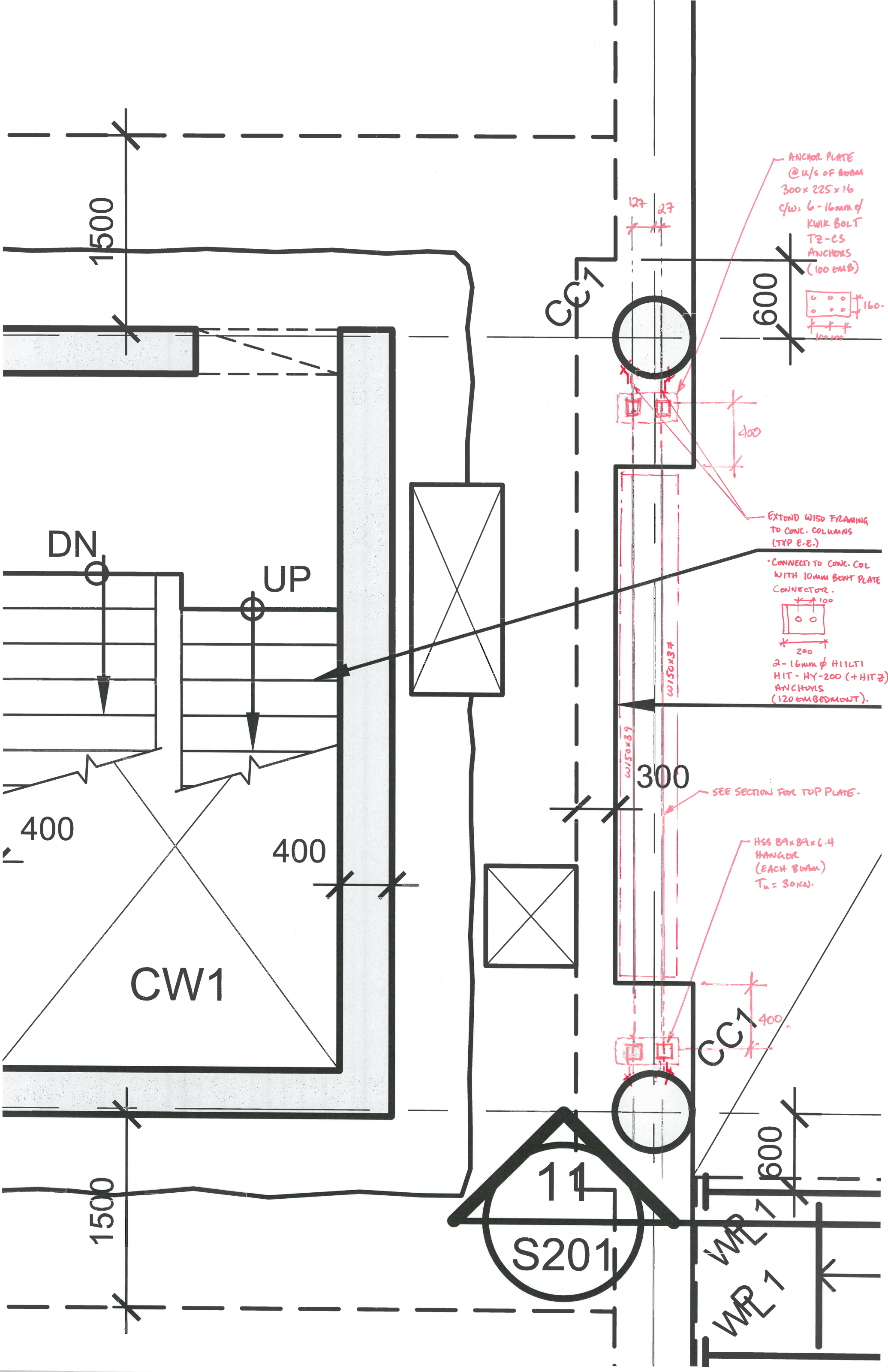


PARTITION SU
HSS 254x152x
c/w: APL 2B E.E
- CONTRACTOR TO PROVIDE
PIPES/DUCT SUPPORTS
(REFER TO ARCH. DETAILS) FOR GIRT (T

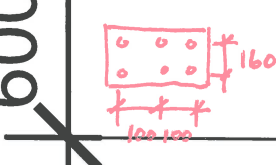
PRE-ENG. STEEL
(REFER TO ARCH. DETAILS)

REMOVE EXISTING HSS 254x152 AND REPLACE WITH NEW HSS 254x254x9.5.

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

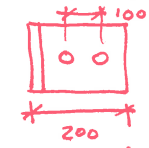


ANCHOR PLATE
@ U/S OF BEAM
300x225x16
C/W: 6-16mm ϕ
KWIK BOLT
T2-CS
ANCHORS
(100 EMB)



EXTEND W150 FRAMING
TO CONC. COLUMN
(TYP E-E.)

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



2-16mm ϕ H11L1
HIT-HY-200 (+HIT2)
ANCHORS
(120 EMBEDMENT).

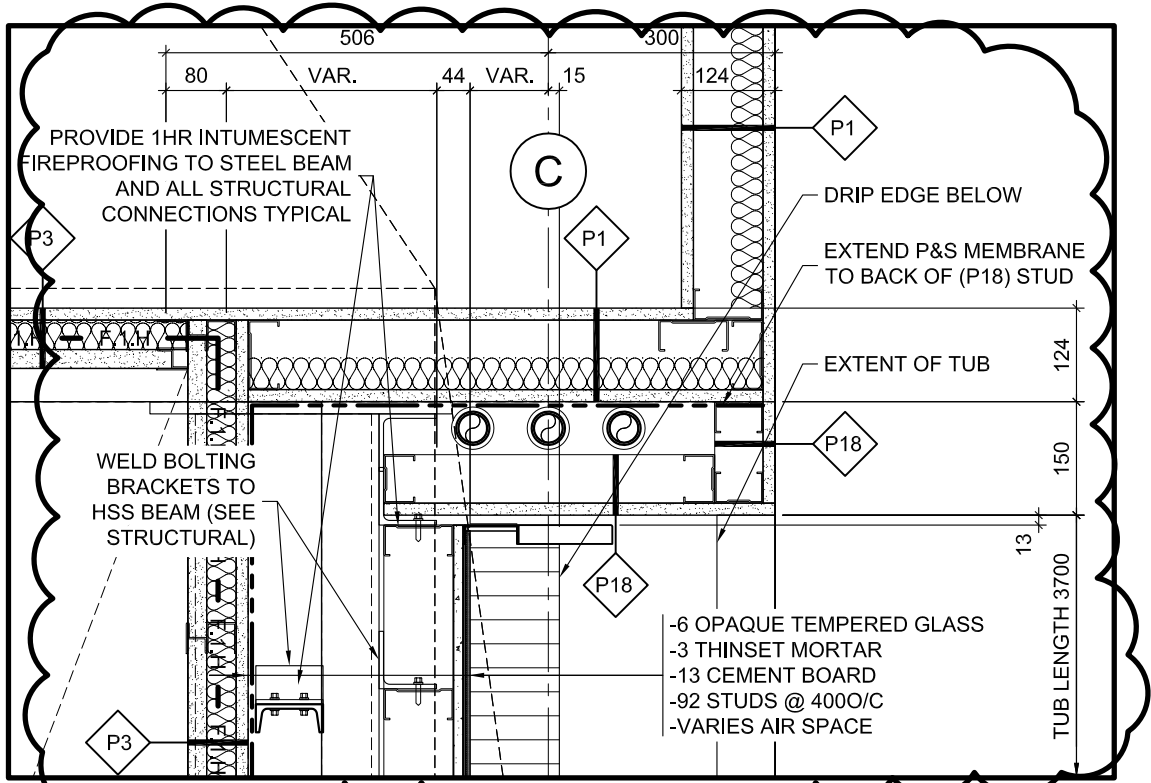
SEE SECTION FOR TOP PLATE.

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

CC7

11
S201

WPL 7
WPL 7



20 TYPICAL WATER FEATURE DETAIL
 A503 SCALE = 1:10



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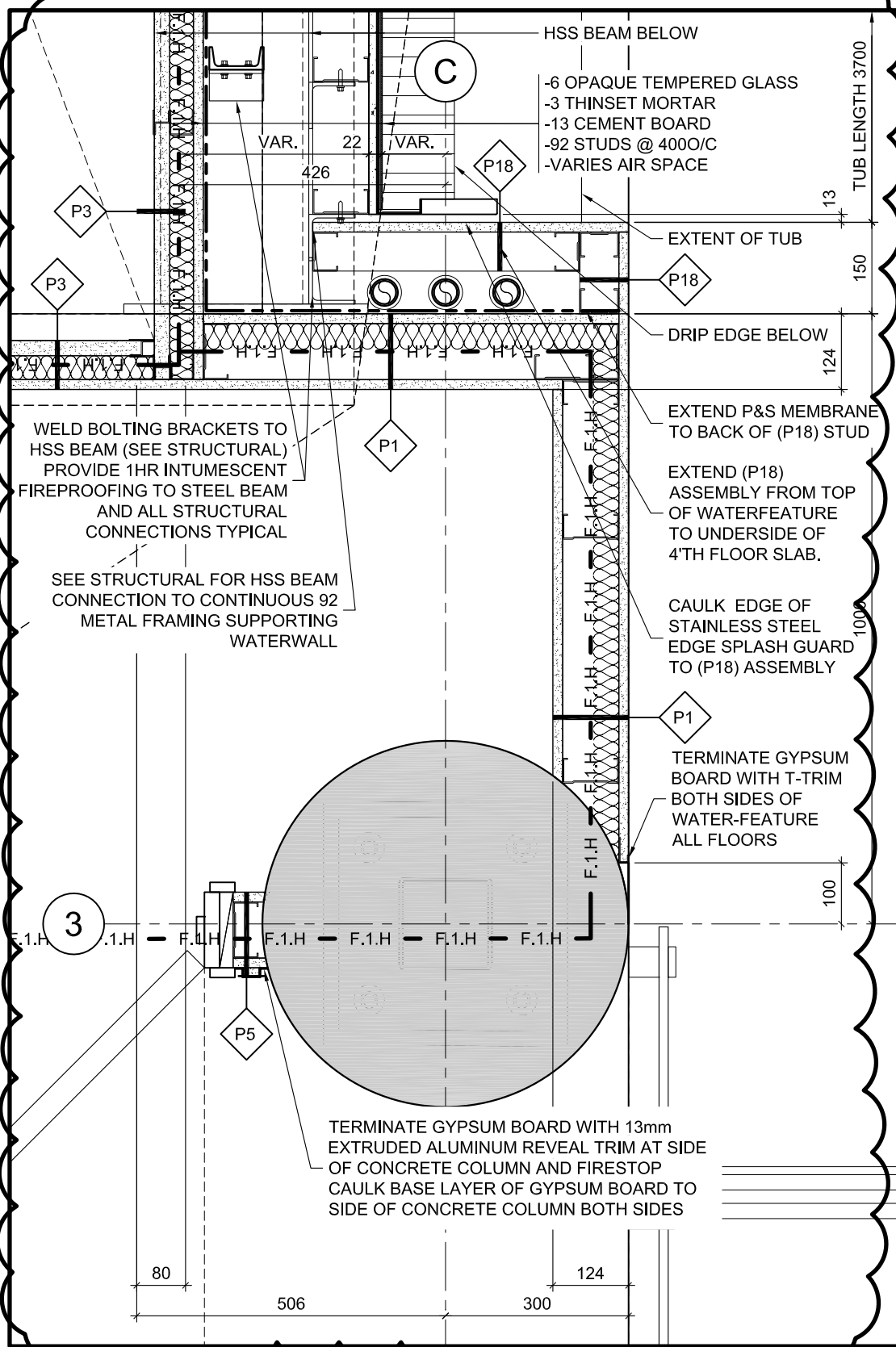


PROJECT:
 TOMLINSON NEW BUILDING

DRAWING TITLE:
 REF. REVISED DETAIL AS INDICATED

DATE: 03/02/2018
 SCALE: AS INDICATED
 DRAWN BY: JK
 JOB No: 574-15
 DRAWING No:

ASK-217



- HSS BEAM BELOW
- 6 OPAQUE TEMPERED GLASS
- 3 THINSET MORTAR
- 13 CEMENT BOARD
- 92 STUDS @ 4000/C
- VARIES AIR SPACE

21 TYPICAL COLUMN WALL CONNECTION
 SCALE = 1:10
 A503

WELD BOLTING BRACKETS TO HSS BEAM (SEE STRUCTURAL) PROVIDE 1HR INTUMESCENT FIREPROOFING TO STEEL BEAM AND ALL STRUCTURAL CONNECTIONS TYPICAL

SEE STRUCTURAL FOR HSS BEAM CONNECTION TO CONTINUOUS 92 METAL FRAMING SUPPORTING WATERWALL

EXTENT OF TUB

DRIP EDGE BELOW

EXTEND P&S MEMBRANE TO BACK OF (P18) STUD

EXTEND (P18) ASSEMBLY FROM TOP OF WATERFEATURE TO UNDERSIDE OF 4TH FLOOR SLAB.

CAULK EDGE OF STAINLESS STEEL EDGE SPLASH GUARD TO (P18) ASSEMBLY

TERMINATE GYPSUM BOARD WITH T-TRIM BOTH SIDES OF WATER-FEATURE ALL FLOORS

TERMINATE GYPSUM BOARD WITH 13mm EXTRUDED ALUMINUM REVEAL TRIM AT SIDE OF CONCRETE COLUMN AND FIRESTOP CAULK BASE LAYER OF GYPSUM BOARD TO SIDE OF CONCRETE COLUMN BOTH SIDES



PROJECT:
TOMLINSON NEW BUILDING

DRAWING TITLE:
REF. REVISED DETAIL AS INDICATED

DATE: 03/02/2018

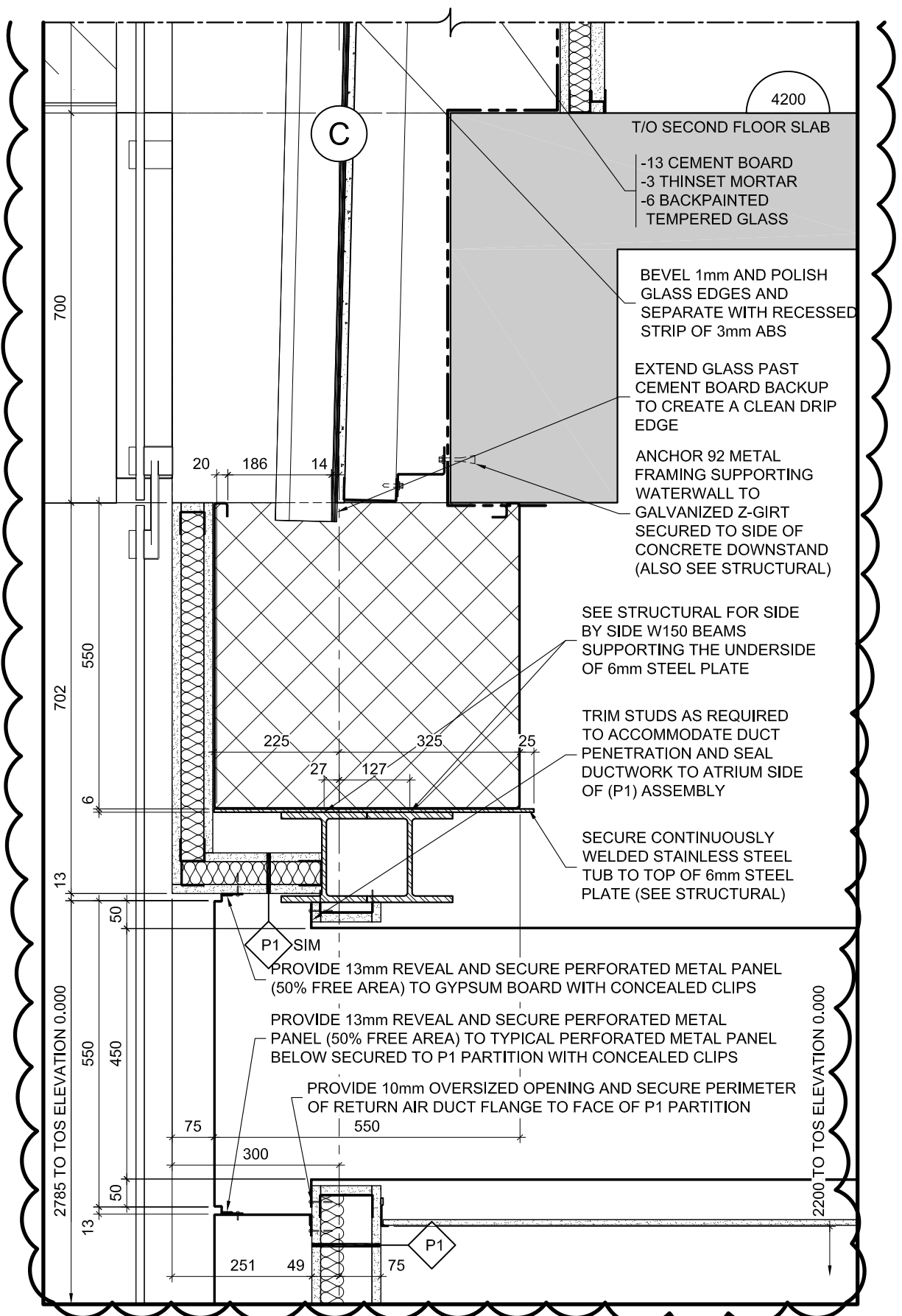
SCALE: AS INDICATED

DRAWN BY: JK

JOB No: 574-15

DRAWING No:

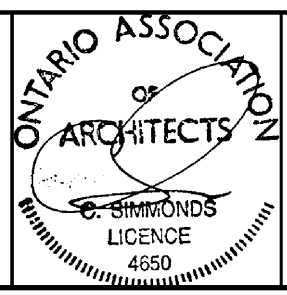
ASK-218



2
A604

PARTIAL WATERFEATURE DETAIL

SCALE =1:10



PROJECT:
TOMLINSON NEW BUILDING

DRAWING TITLE:
REF. PART. REV'D DET. AS INDICATED

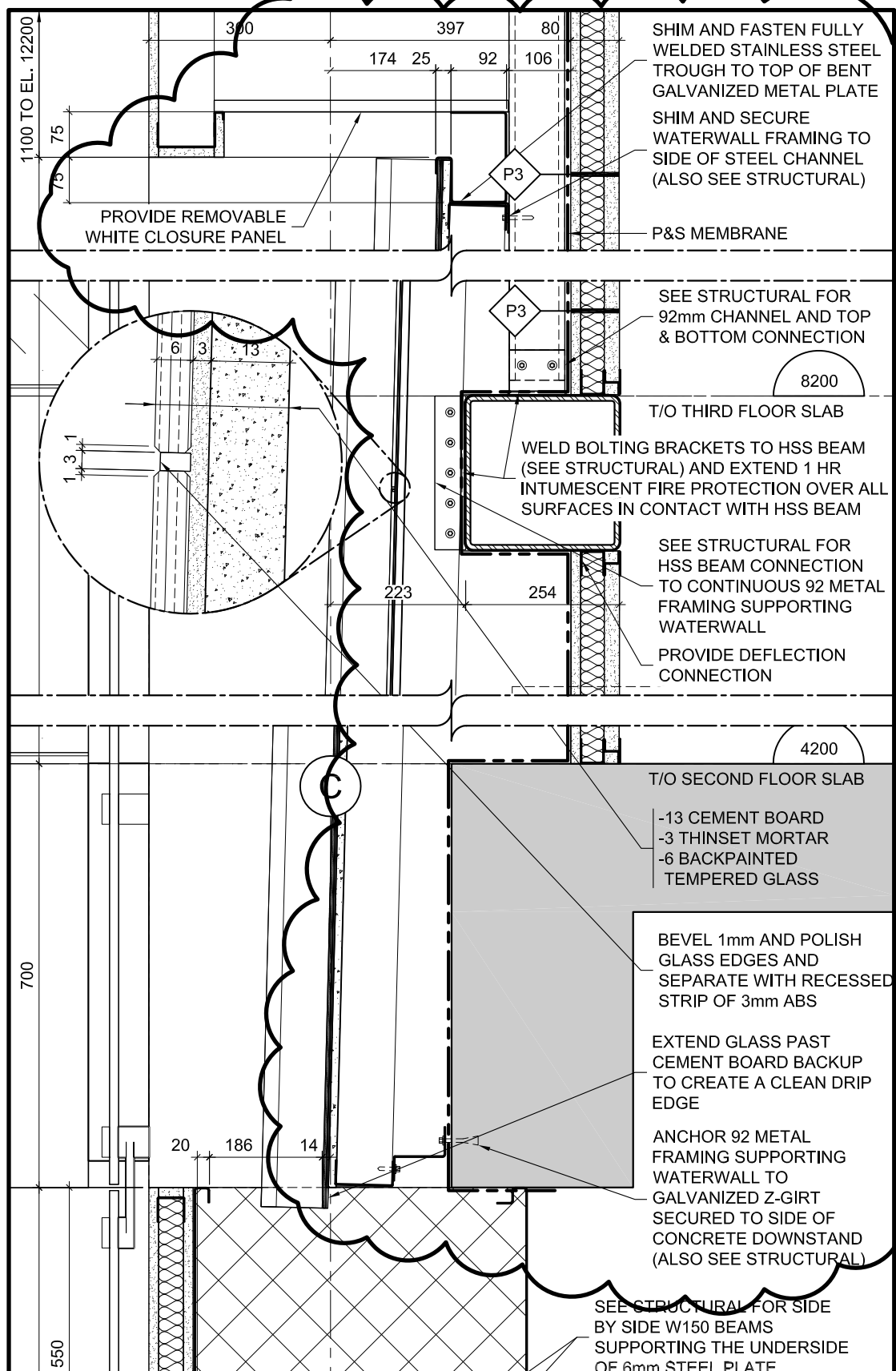
DATE: 03/13/2018

SCALE: AS INDICATED

DRAWN BY: JK

JOB No: 574-15

DRAWING No: **ASK-219**



THE ANNEX / 45 ECCLES ST. OTTAWA ON K1R 6S3
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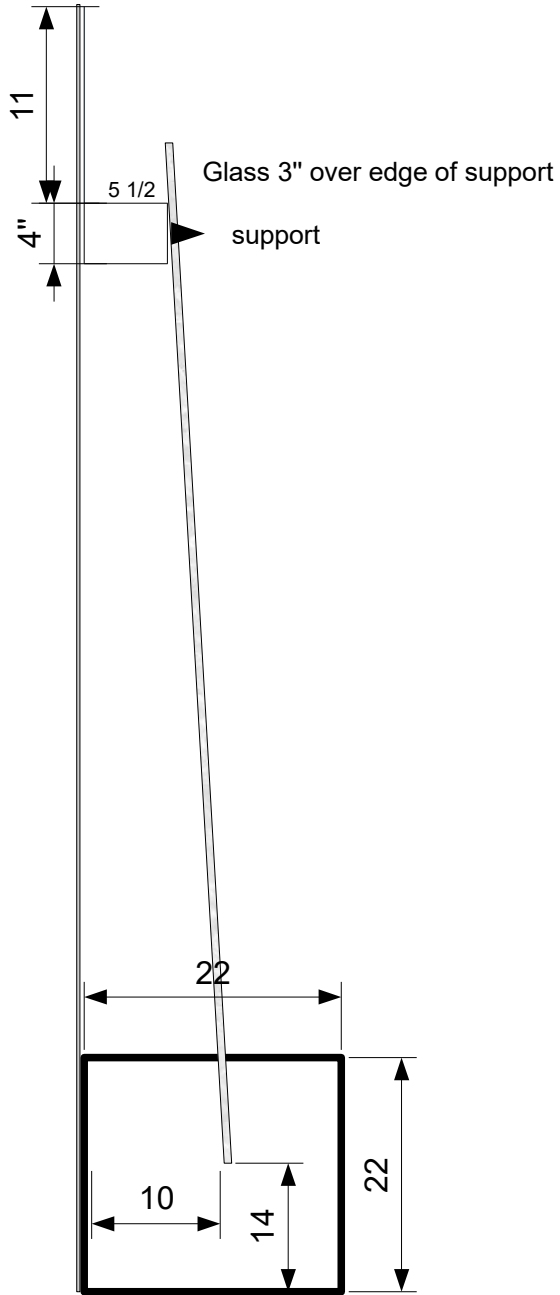


PROJECT:
TOMLINSON NEW BUILDING

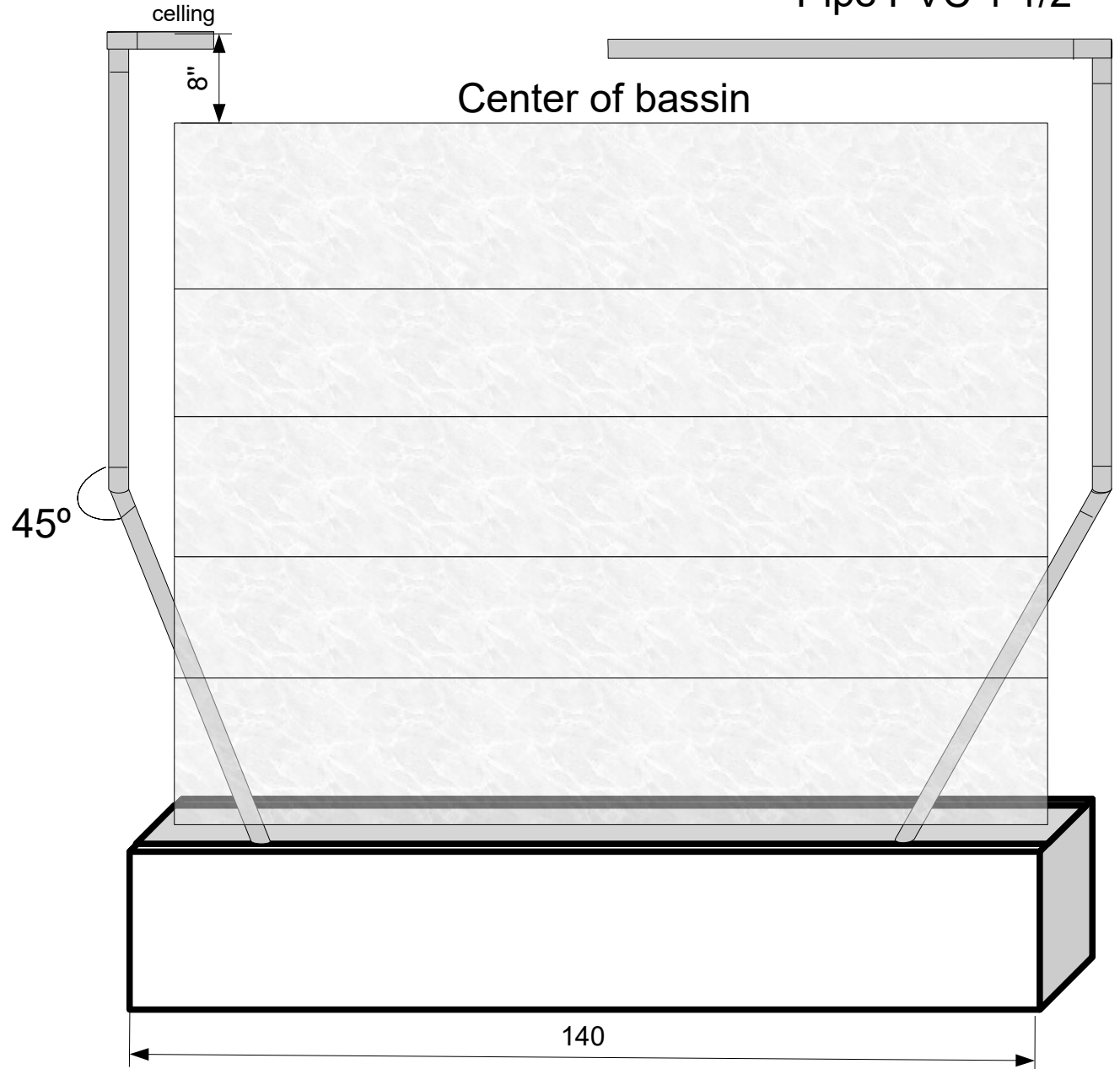
DRAWING TITLE:
REF. PARTIAL REVISED DETAIL 2/A604

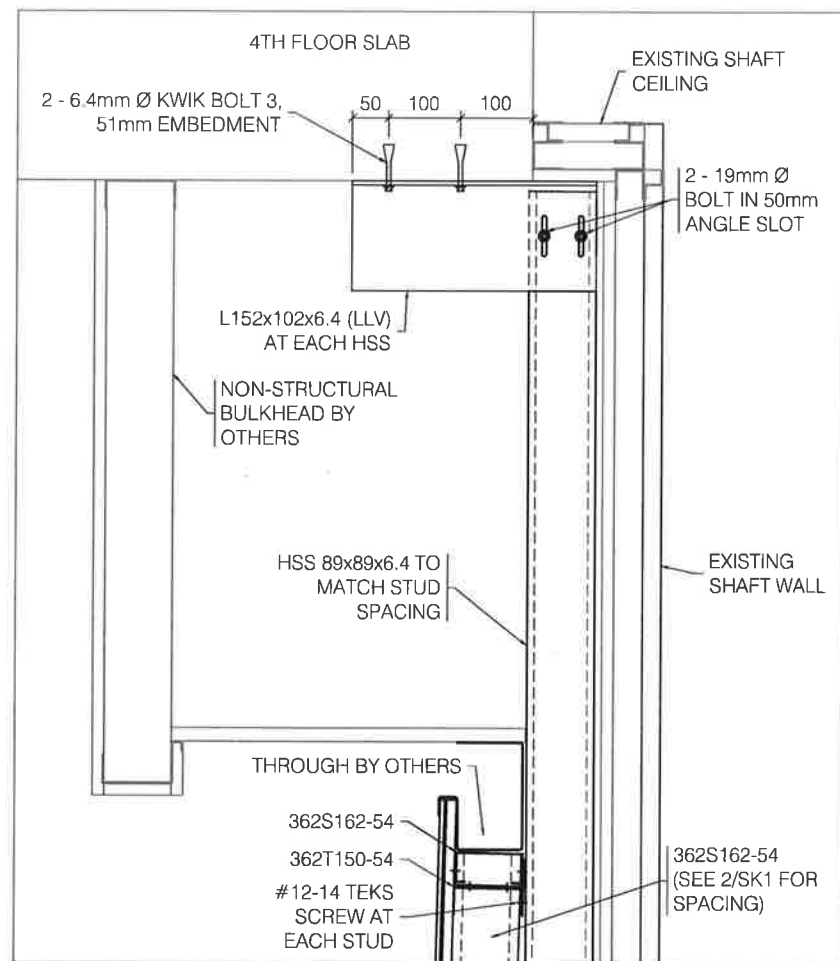
DATE:	03/01/2018
SCALE:	1:10
DRAWN BY:	JK
JOB No:	574-15
DRAWING No:	ASK-220

Piping installed behind water support structure

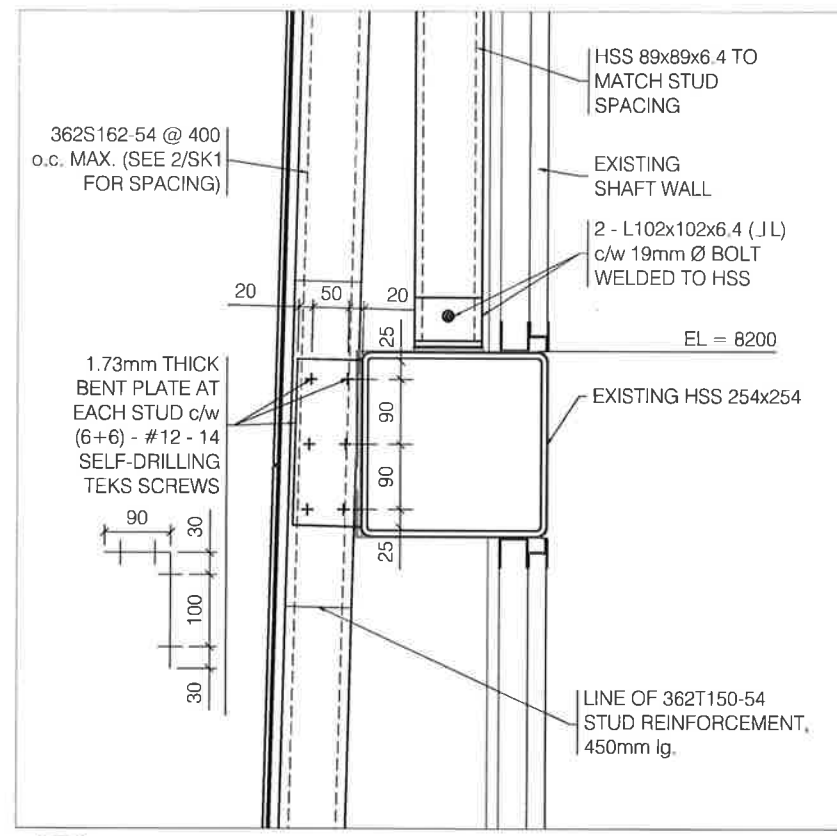


Pipe PVC 1 1/2

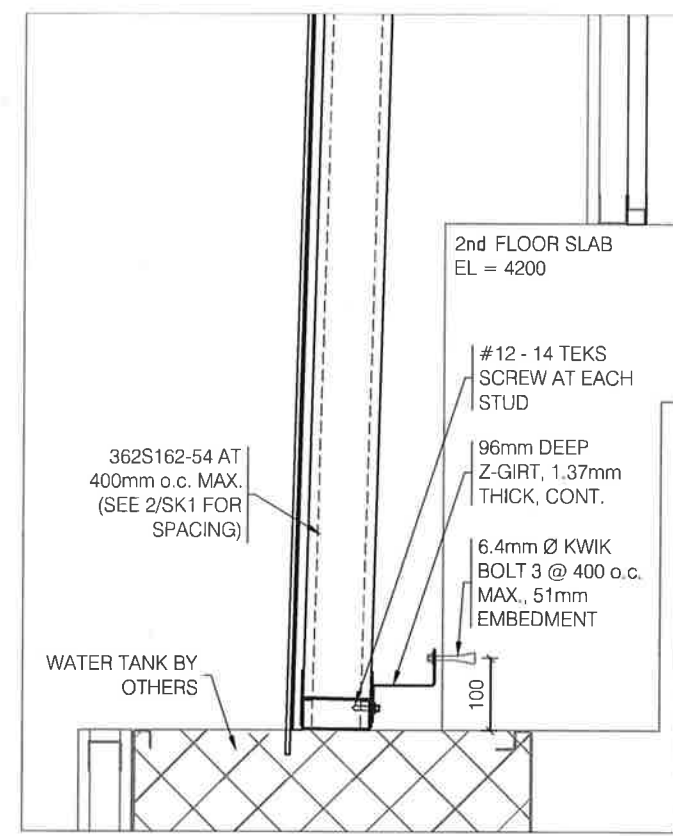




1
SK2
1:10
DETAIL



2
SK2
1:10
DETAIL



3
SK2
1:10
DETAIL

REVIEWED B.J.
 NOT REVIEWED
 REVIEWED AS NOTED
 REVISE/RESUBMIT
 DATE: March 13, 2018
 THIS IS A REVIEW ONLY OF CONFORMANCE WITH THE GENERAL DESIGN CONCEPT AND NOT A CHECK ON QUANTITIES, DETAILS OR DIMENSIONS, WHICH ARE THE CONTRACTORS SOLE RESPONSIBILITY IN ORDER TO MEET ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 CLELAND JARDINE ENGINEERING LTD.
 STRUCTURAL ENGINEERS

05.03.2018	ISSUED FOR REVIEW	T.W.K.
No.	REVISION	DRAWN

GENERAL NOTES:

- CHECK ALL DIMENSIONS ON THESE DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER AND ARCHITECT BEFORE PROCEEDING WITH THE WORK
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ON JOB SITE AND DESIGN, INSTALLATION, AND SUPERVISION OF ALL NECESSARY BRACINGS, SHORING OR OTHER TEMPORARY SUPPORTS
- ALL DIMENSIONS ARE IN METRIC UNITS UNLESS NOTED OTHERWISE
- DO NOT SCALE THESE DRAWINGS
- STRUCTURAL DESIGN IN ACCORDANCE WITH THE 2012 ONTARIO BUILDING CODE, CAN/CSA-S136-07, COLD FORMED STEEL STRUCTURAL MEMBERS, AND CAN/CSA-S16-01(05), LIMIT STATES DESIGN OF STEEL STRUCTURES
- MATERIALS:
 - STEEL STUDS, TRACKS, BRIDGING, AND ACCESSORIES: BY BAILEY METAL PRODUCTS LTD., THICKNESS AND SPACING AS NOTED ON DRAWINGS
 - HSS SECTIONS: TO ASTM A500, GRADE C
 - ANGLES AND PLATES: TO CAN/CSA-G40.21-M01, 300MPa
 - SELF-DRILLING SCREWS: BUILDDEX TEKS SCREWS AS NOTED ON DRAWINGS
 - ANCHORS TO CONCRETE: KWIK BOLT 3 BY HILTY AS NOTED ON DRAWINGS
 - BOLTS: TO ASTM A325 AS NOTED ON DRAWINGS
 - WELDING: TO CSA W59 AND CERTIFIED BY CANADIAN WELDING BUREAU, 6mm FILLET WELDS UNLESS NOTED OTHERWISE

7. DESIGN DATA:

- STEEL STUD TOTAL LOAD DEFLECTION LIMITED TO L/175
- DEAD LOADS:
 - 6mm TEMPERED GLASS (OR EQUAL WEIGHT APPROVED MATERIAL) = 0.17kPa (3.5psf)
 - 3mm MORTAR = 0.07kPa (1.5psf)
 - 13mm CEMENT BOARD = 0.13kPa (2.6psf)
- SEISMIC LOAD:
 - SITE CLASS C
 - Sa(0.2) = 0.63
 - Sa(0.5) = 0.30
 - Sa(1.0) = 0.14
 - Sa(2.0) = 0.045
 - Vp = 0.3FaSa(0.2) ESpWp
 - Wp = 18kN

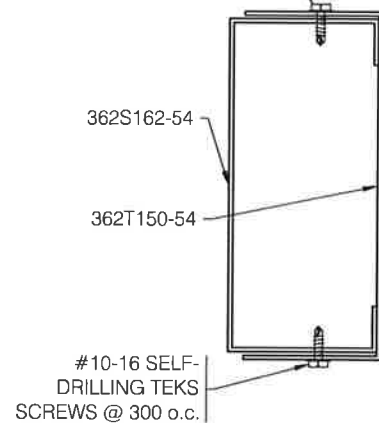


PROJECT:
TOMLINSON BUILDING
WATER FEATURE WALL
 100 NORTEL DRIVE, OTTAWA, ON.

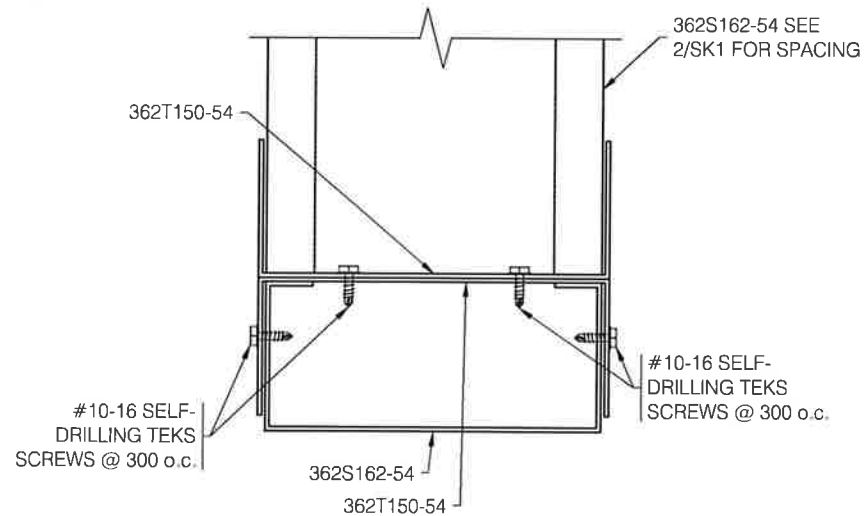
DRAWING:
 DETAILS AND NOTES

DESIGNED BY: L.S.	CHECKED BY: M.M.
DRAWN BY: T.W.K.	SCALE: N.T.S.
DATE: FEB. 2018	JOB No.: 18055
SK2	

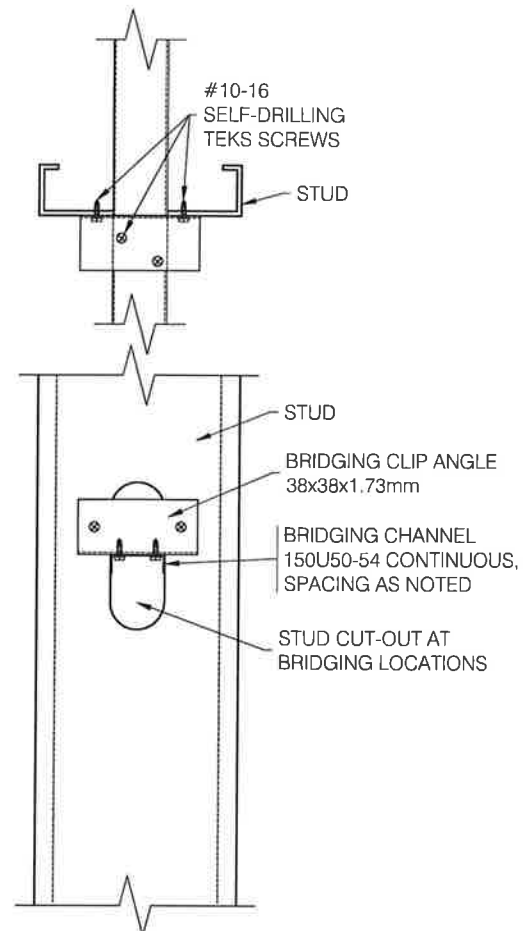
#10-16 SELF- DRILLING
TEKS SCREWS @ 300 o.c.



1
SK3
DETAIL
1:2



2
SK3
DETAIL
1:2



3
SK3
BRIDGING DETAIL
1:5



REVIEWED	<input checked="" type="checkbox"/>
NOT REVIEWED	<input type="checkbox"/>
REVIEWED AS NOTED	<input type="checkbox"/>
REVISE/RESUBMIT	<input type="checkbox"/>
DATE:	March 13, 2018
THIS IS A REVIEW ONLY OF CONFORMANCE WITH THE GENERAL DESIGN CONCEPT AND NOT A CHECK ON QUANTITIES, DETAILS OR DIMENSIONS, WHICH ARE THE CONTRACTORS SOLE RESPONSIBILITY IN ORDER TO MEET ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.	
CLELAND JARDINE ENGINEERING LTD. STRUCTURAL ENGINEERS	

05.03.2018	ISSUED FOR REVIEW	T.W.K.
No.	DATE	REVISION
		DRAWN



PROJECT:
**TOMLINSON BUILDING
WATER FEATURE WALL**
100 NORTEL DRIVE, OTTAWA, ON.

DRAWING:
DETAILS

DESIGNED BY: L.S.	CHECKED BY: M.M.
DRAWN BY: T.W.K.	SCALE: AS SHOWN
DATE: FEB. 2018	JOB No.: 18055
SK3	