



NASTASI & ASSOCIATES
Consulting Civil & Structural Engineers

14th November, 2018

Job No. 16137

17 Playfair Road,
NORTH CURL CURL NSW 2099

Attention: Anthony Roberts

Re: Structural Certificate – Proposed new residential development at No. 17 Playfair Road, North Curl Curl

We confirm that Nastasi & Associates have reviewed the structural elements for the proposed new development at 17 Playfair Road, North Curl Curl. This is to confirm that we are able to design the super structure and foundations to allow for flood water to pass under the ground floor structure. We confirm that the structure will remain structurally adequate in the event of a flood. Attached are our preliminary sketch design (Job No. 16137 SK1 to SK4) for the super structure of the ground floor and foundations.

This is to certify that the design of the structural elements will be carried out to conform to the relevant SAA Codes, in particular the following:

AS	1170	Structural Design Actions
		Part 1 Permanent, Imposed and other Actions
		Part 2 Wind Actions
		Part 4 Earthquake Loads
AS	2159	Piling Code
AS	3600	Concrete Structures
AS	4100	Steel Structures

2-

I am an appropriately qualified and competent person in this area being listed in the National Professional Engineers Register (NPER) and as such can certify that the design and performance of the design systems comply with the above.

I possess Indemnity Insurance to the satisfaction of the building owner or my principal

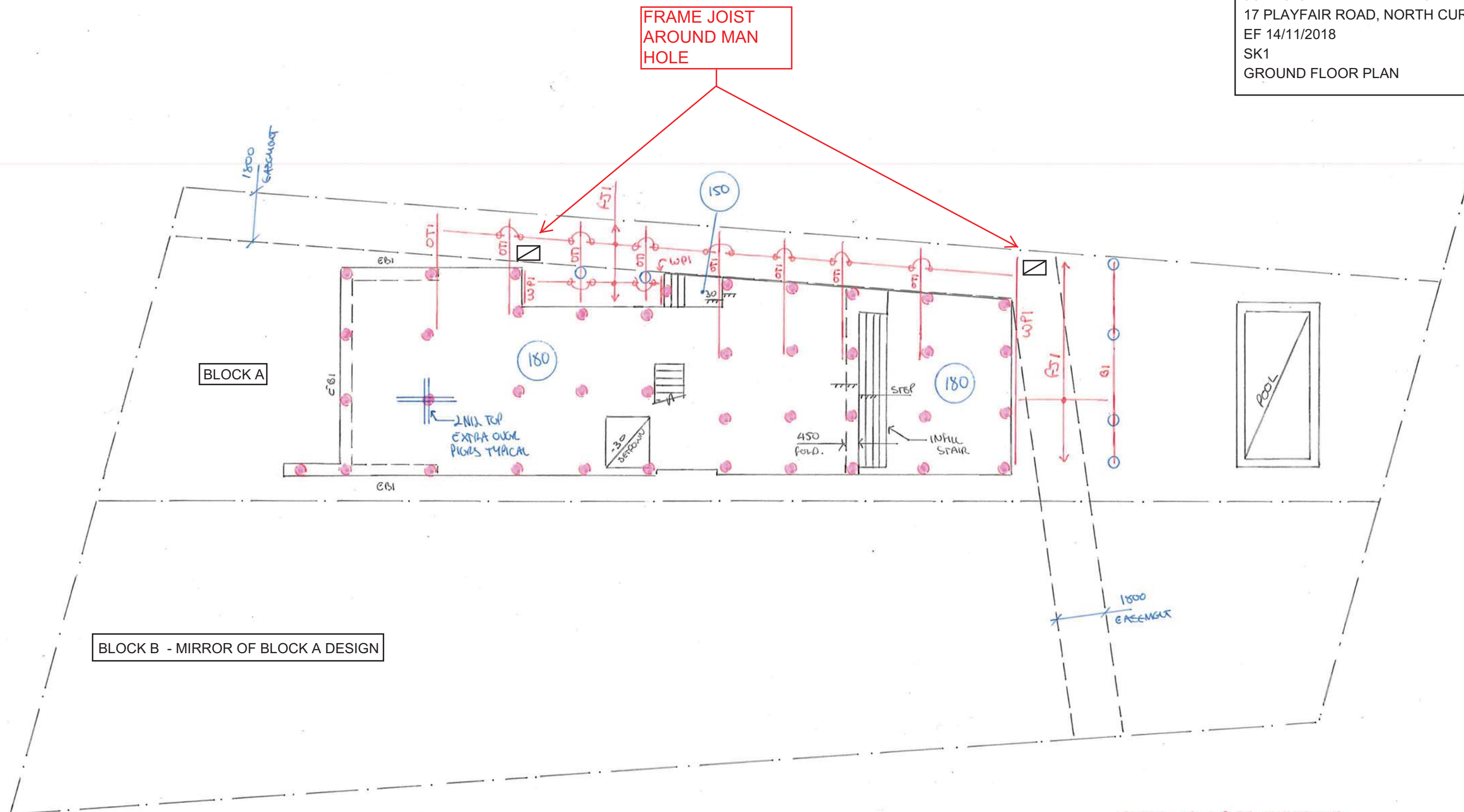
Name of Design
Qualifications

Salvatore Nastasi
B.E.M.I.A AUST CpEng Nper-3
Accredited Certifier (Structural & Civil) No BPB0289
Board of Professional Engineers (QLDS) RPEQ – 14906
Registered Building Practitioner (VIC) RBP No EC40769
Unit 5, 1-3 Whyalla Place, Prestons
(02) 9607 2864
(02) 9731 2081
Nastasi & Associates

Address of Designer
Business Telephone No.
Fax No.
Name of Employer

SIGNED

SAM NASTASI – B.E M.I.E AUST CpEng Nper-3
Accredited Certifier (Structural & Civil) No BPB0289



GROUND FLOOR SLAB PLAN

1:100 ON A2 (DO NOT SCALE)

- (180) DENOTES SLAB THICKNESS
 REINFORCE SLAB WITH N12-300 TOP & BOTTOM BOTH WAYS
 REFER TO PLAN FOR ADDITIONAL NED
- DENOTES 1600 Ø REINFORCED PIGR. REFER TO DETAIL
- EB1 - DENOTES 450 WIDE X 450 MIN DEEP EDGE BEAM

STEEL MEMBER SCHEDULE.

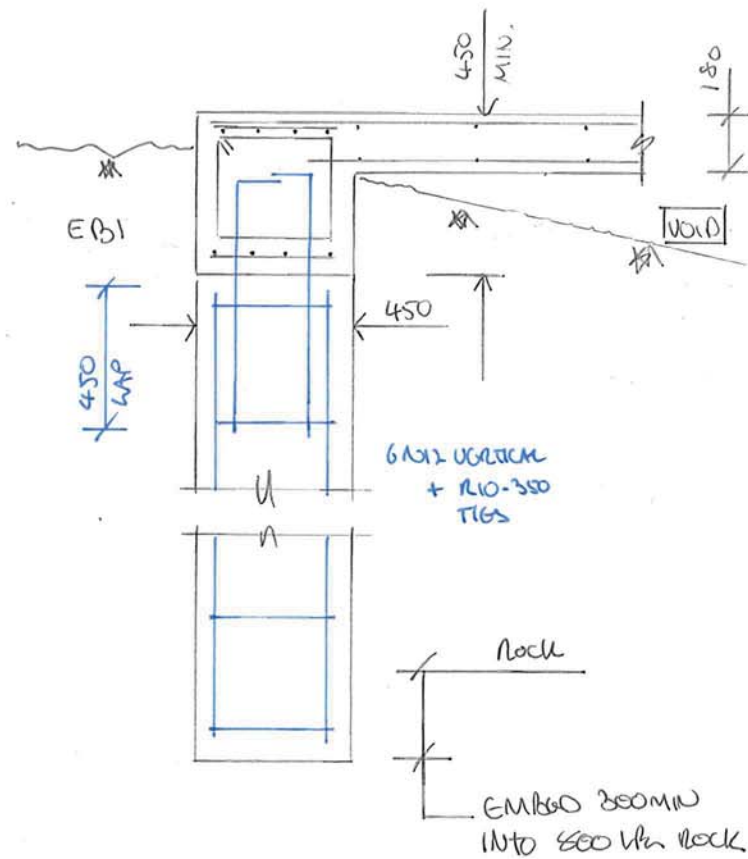
OTI - 180 PPL BOLT TO PIGR USING
 2M12 CHGMSCTS. GMBGO 170MIN

BI - 180 PPL

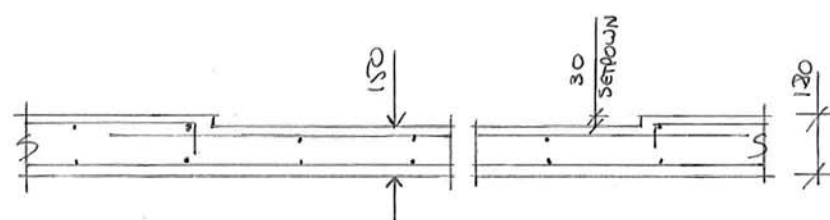
WPI - 180 PPL BOLT TO SLAB EDGE USING
 M16 CHGMSCTS @ 750 MAX CENTRES
 OR
 2M12 TO PIGR.

FJI - 190X45 MGPLO H3 TIMBER JOISTS @
 450 CS.

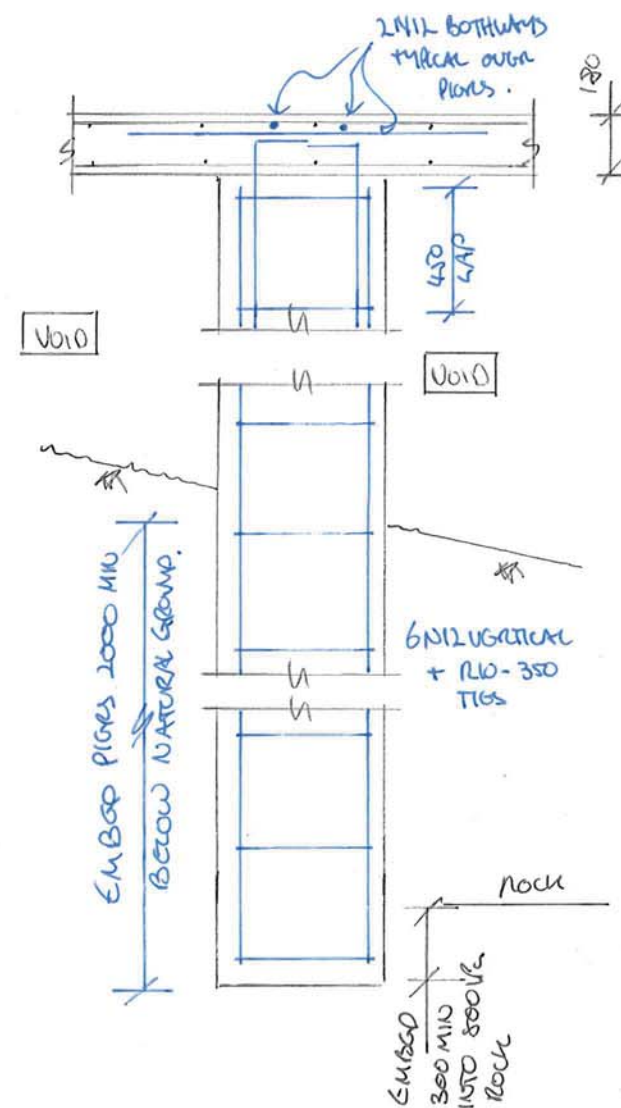
HOT DIP GALVANIZED EXTERNAL STEELWORK



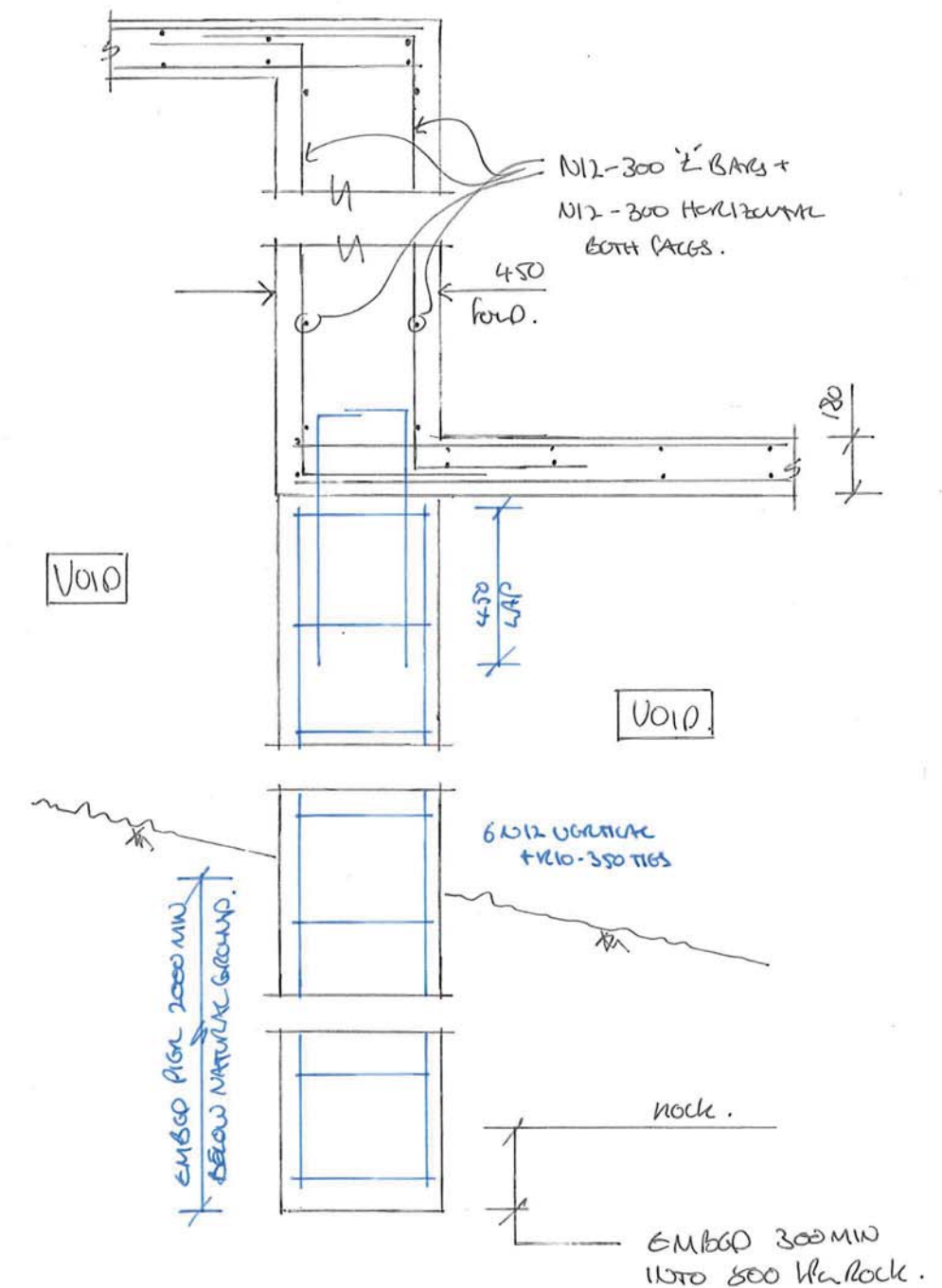
TYPICAL EBI DETAIL



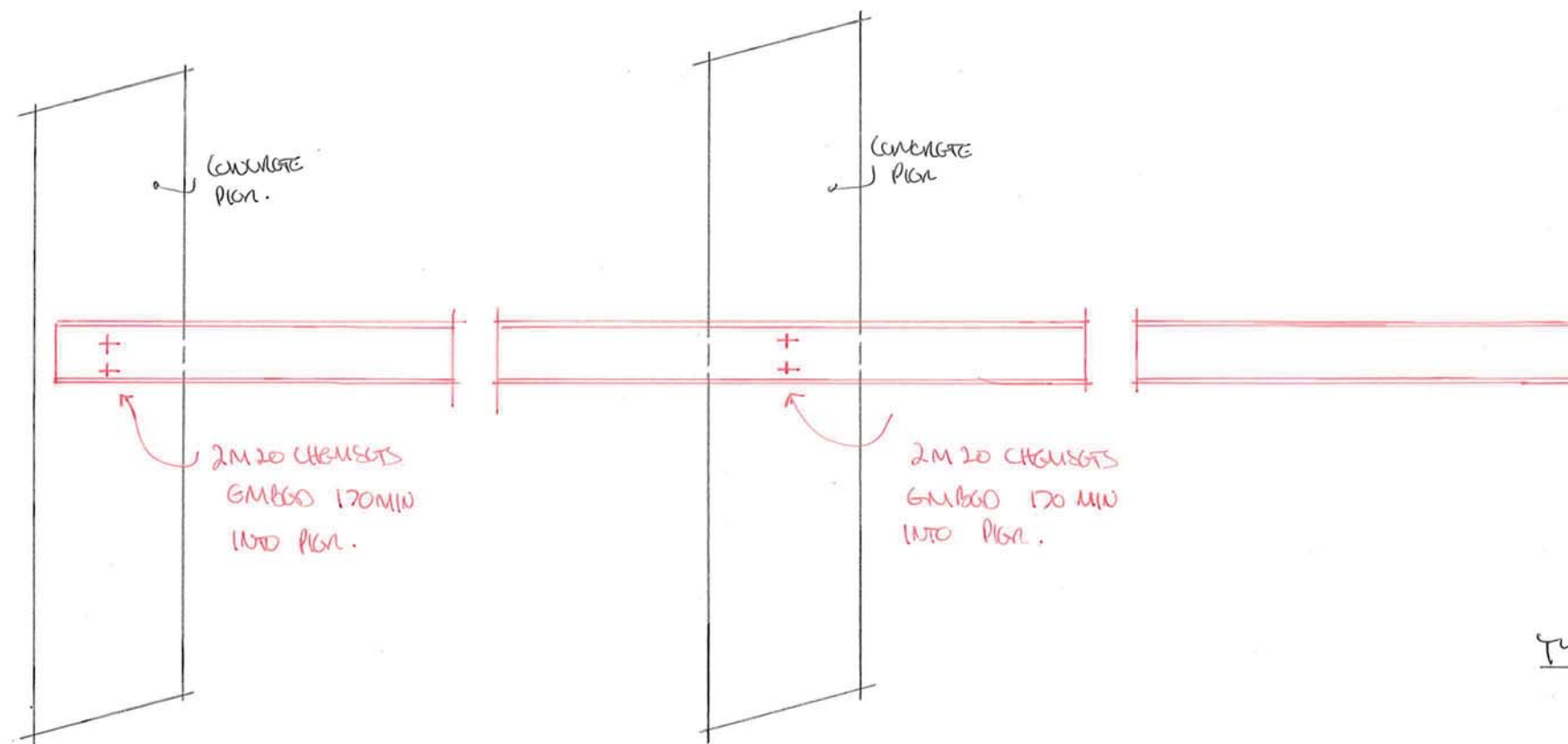
TYPICAL SETDOWN DETAIL



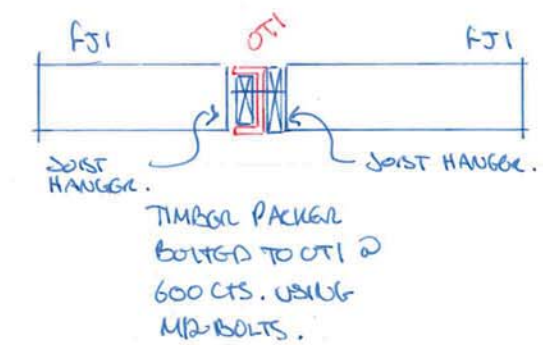
TYPICAL PILE TO SLAB DETAIL



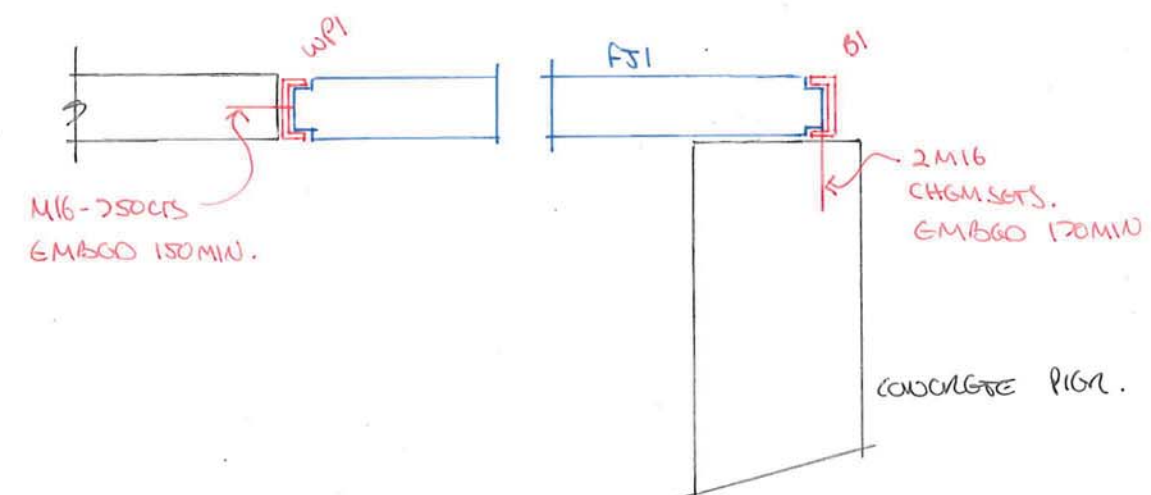
TYPICAL VOID DETAIL.



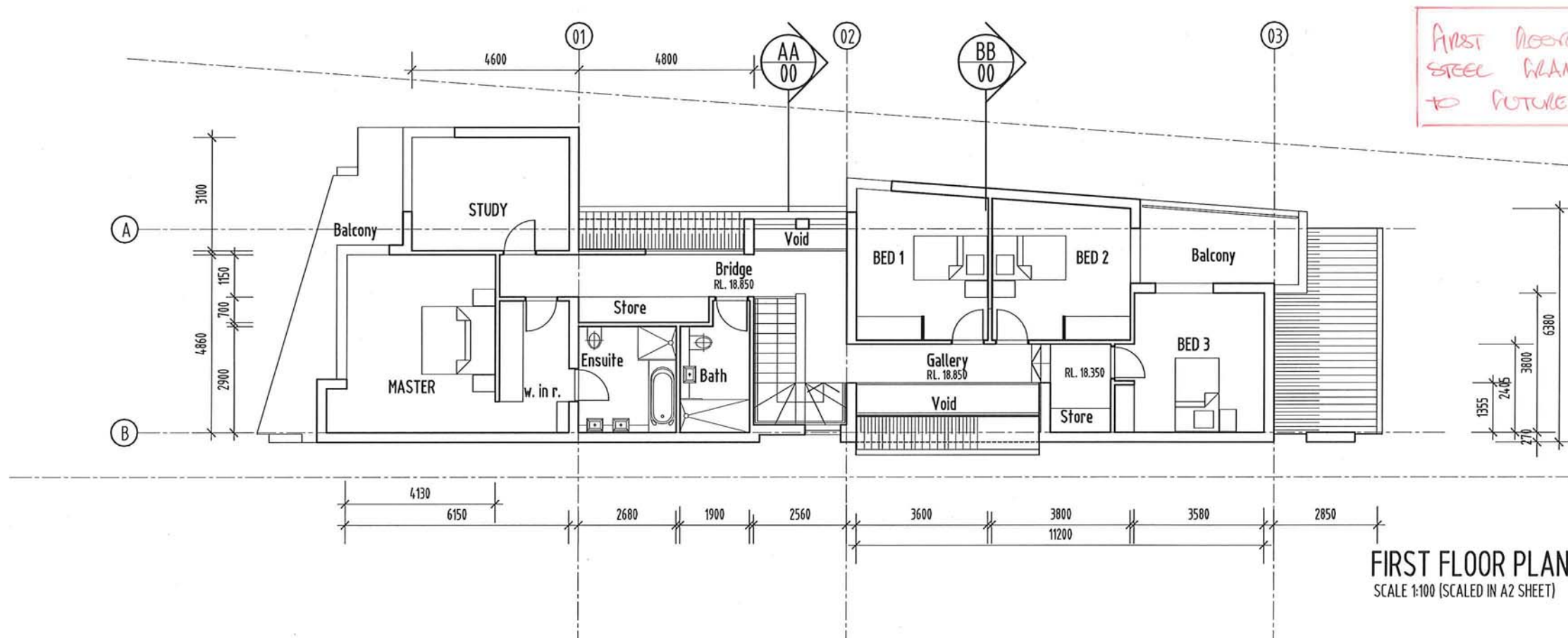
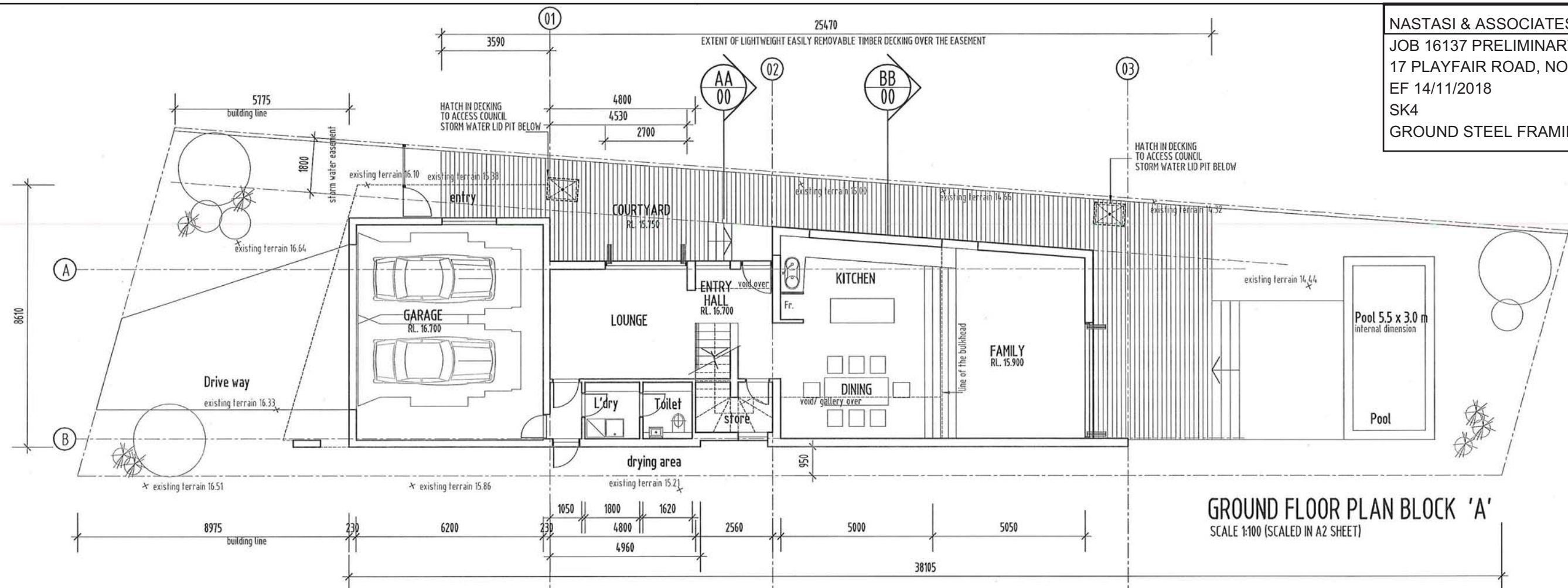
TYPICAL OTI DETAIL.



TYPICAL OTI TO FSI CONNECTION DETAIL



TYPICAL WPI / BI TO FSI DETAIL



rev.	date	details
A	July 2018	DEVELOPMENT APPLICATION ISSUE