




■ DENOTES STUDS/POSTS FROM ABOVE

 HATCHES DENOTE
100mm THK INFILL SLAB F'c 25MPa
TOP or PAVING TO ARCH/OWNER/AUTHORITY SELECTION.

 HATCHES DENOTE SHOWER SETDOWN
REFER DETAIL
(TYP)


≡ PROVIDE FULL LAPPING OF TM
FROM SF TO EDGE BEAM
or
3N12 x 600 LONG TOP & BTM
DRILL & EPOXY 150 INTO EB
(TYP)

3-L11 TM x 2000 LONG
TIE TO U/S OF TOP MESH
FOR ALL RE-ENTRANT CORNER
(TYP) S10R

FOOTING SCHEDULE

EB1	300W x 600 MIN. D + 3-L12TM BTM
EB2	300W x 600 MIN. D + 3-L12TM BTM
EB3	300W x 300 MIN. D + 3-L12TM BTM
IB1	300W x 600 MIN. D + 3-L12TM BTM

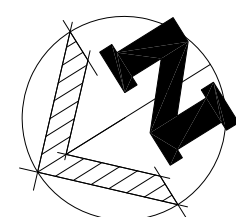
PF1 600 SQ x 600 MIN. D + SL82 BOTTOM
PF2 1200 L x 600W x 600 MIN. D + SL82 BOTTOM


450Ø CONCRETE PIER F'c 25 MPa @ 2000 CTS MAX OR AS SHOWN
TO BE FOUNDED 1000 MIN INTO SILTY CLAY
WITH MIN BEARING CAPACITY OF 200 kPa
(2000 MIN BELOW NATURAL GROUND) WHICHEVER DEEPER.
or STEEL SCREW PILE @ 2000 CTS (U.N.O)
SWL=75KN TO BE DESIGNED AND INSTALLED BY SPECIALIST
PILING CONTRACTOR

PF4 900 L x 800W x 600 MIN. D + SL82 BOTTOM

SF1 400W x 600 MIN. D + 4-L12TM TOP & BTM
SF2 300W x 600 MIN. D + 3-L12TM TOP & BTM

RW1 SLEEPER RETAINING WALL SEE DETAILS
RW2 190 THK REINFORCED BLOCK WALL SEE DETAILS



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ARCHITECT / BUILDING DESIGNER:
PRESTIGIOUS MILLENNIUM DESIGN P/L
STUDIO 17, 31-39 NORCAL RD
NUNAWADING

# 38	CLIENT:
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PROJECT:	PROPOSED DEVELOPMENT 28 ST CLEMS ROAD DONCASTER EAST
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DRAWING TITLE:	SLAB & FOOTING PLANS
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Drawn By: CM, SL

Date:	Scale (@ A1):
NOVEMBER 2021	1:100

Project #	
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Drawing #	
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Rev #

GENERAL

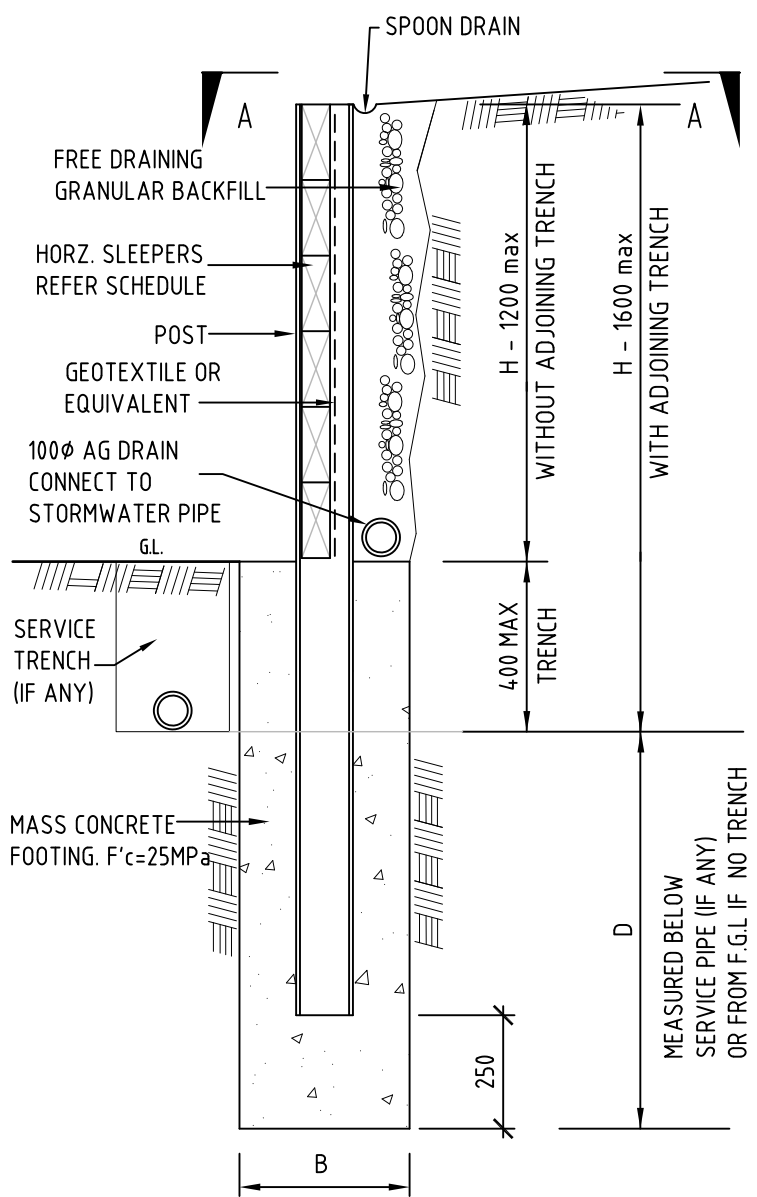
- 1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- 2 ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED. THE ENGINEERS DRAWINGS SHALL NOT BE SCALED.
- 3 DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.
- 4 WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT S.A.A. CODES INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITIES, EXCEPT WHERE VARYED BY THE CONTRACT DOCUMENTS.
- 5 THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE ENGINEER BUT IS NOT AN AUTHORIZATION FOR AN EXTRA. ANY EXTRA INVOLVED MUST BE TAKEN UP WITH THE ARCHITECT BEFORE THE WORK COMMENCES.
- 6 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. ALL LEVELS ARE EXPRESSED IN METRES.

TIMBER

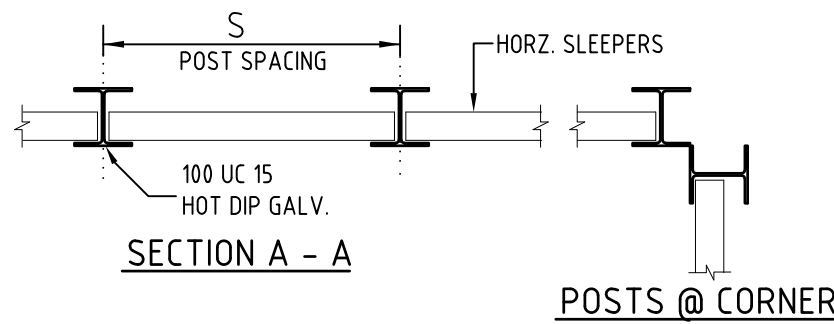
- 1 ALL STRUCTURAL TIMBER AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS 1720, AS1684 AND ALL CODES REFERRED TO THEREIN.
- 2 ALL TIMBER FOR STRUCTURAL USE SHALL CONFORM TO CLASS B STRAIGHTNESS IN ACCORDANCE WITH AS 1720.
- 3 UNLESS NOTED, THE FOLLOWING MIN. STRESS GRADES ARE USED: OREGON F7 TREATED PINE
- 4 ALL BOLTED CONNECTIONS SHALL BE PROVIDED WITH A MINIMUM EDGE, END AND SPACING IN ACCORDANCE WITH AS 1720.

SCHEDULE OF POST TYPE AND FOOTING DIMENSIONS					
NATURAL GROUND - FIRM CLAY $C_u = 50 \text{ kN/m}^2$					
BATTER*	H (mm)	S (mm)	POST	D (mm)	B (mm)
< 25°	700	1800	100 UC 15	1000 (1400)	350
< 25°	701 TO 1200	1800	100 UC 15	1400 (1800)	450

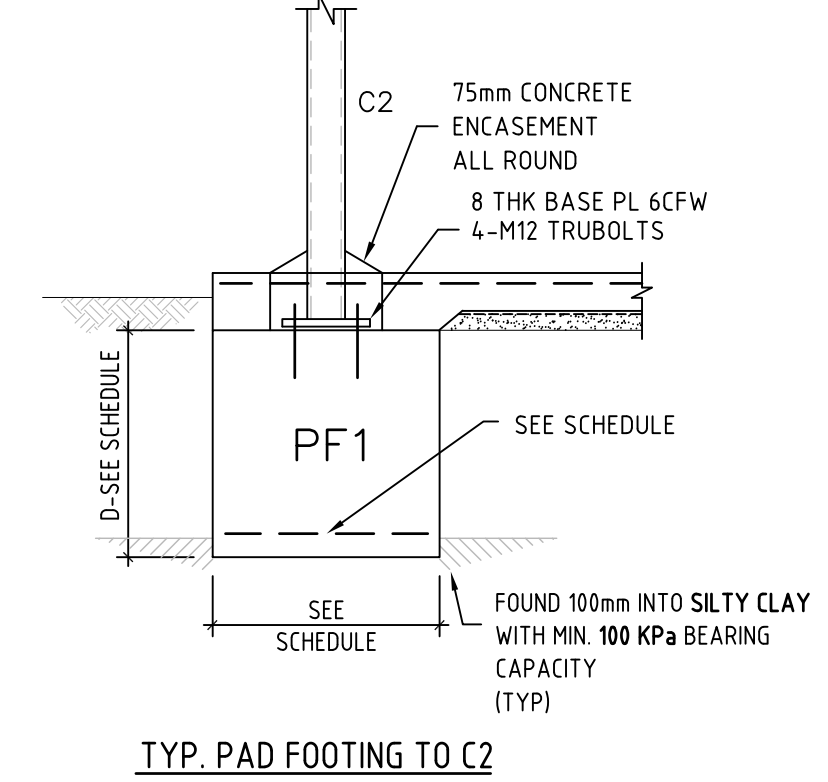
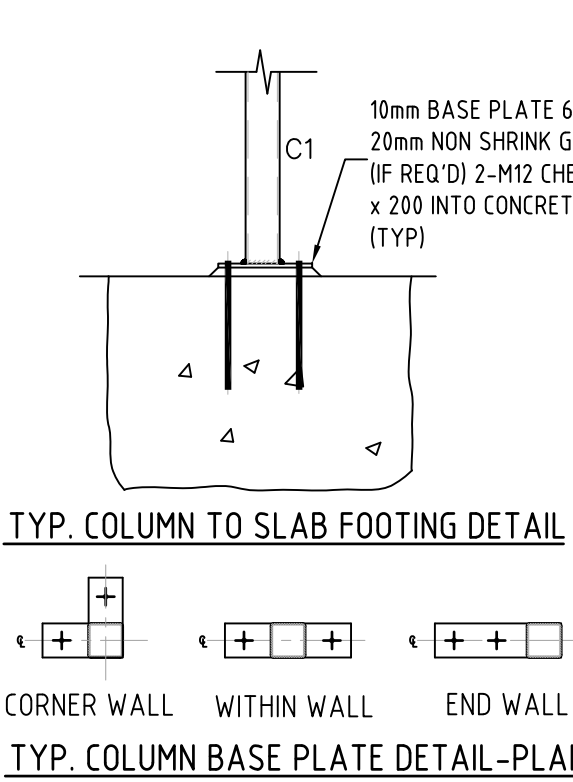
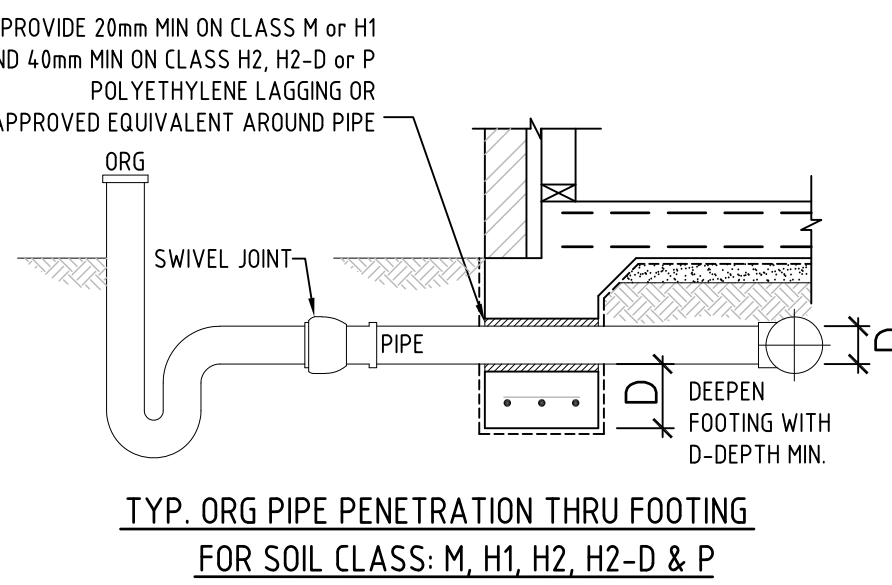
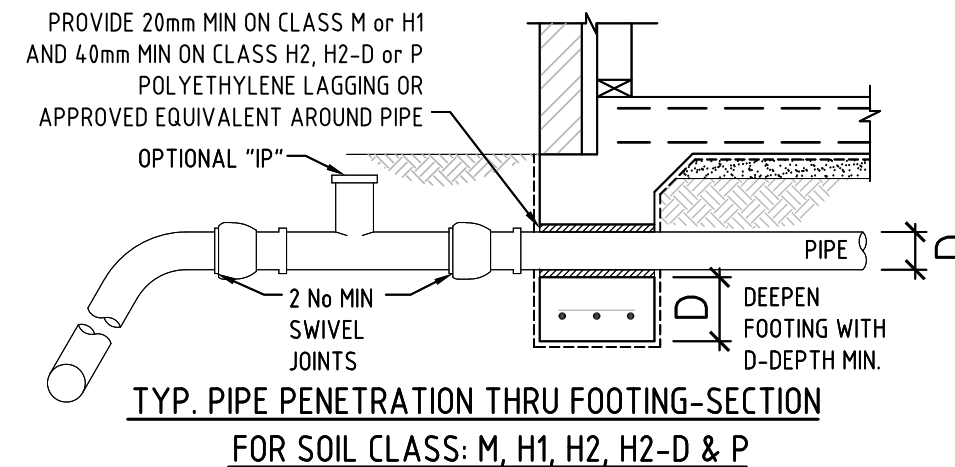
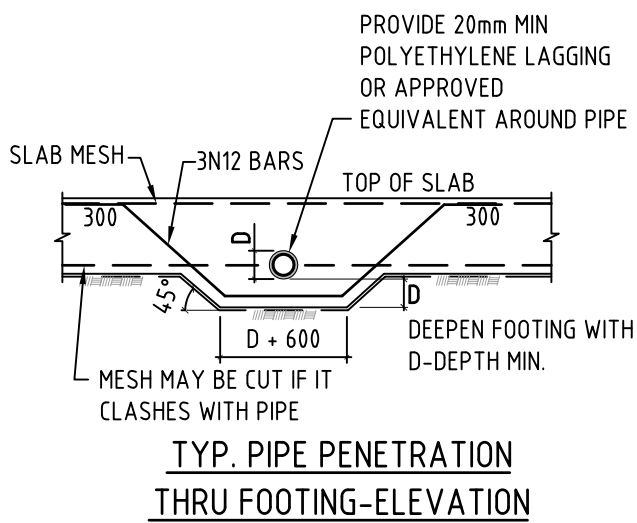
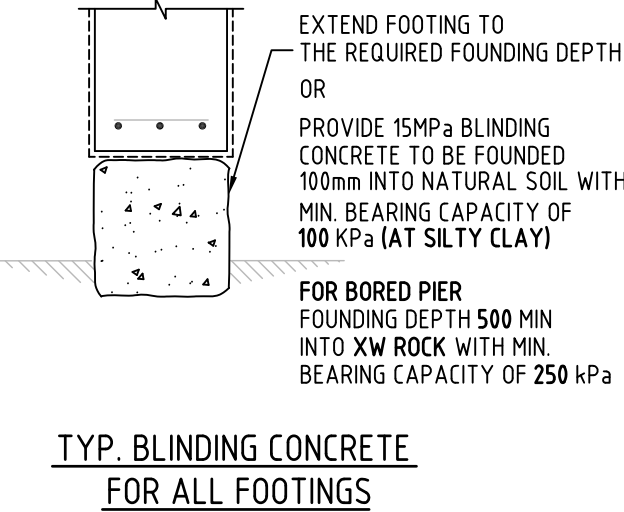
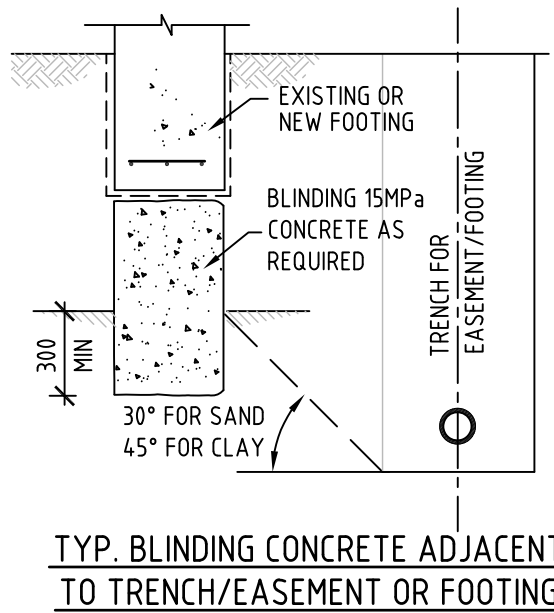
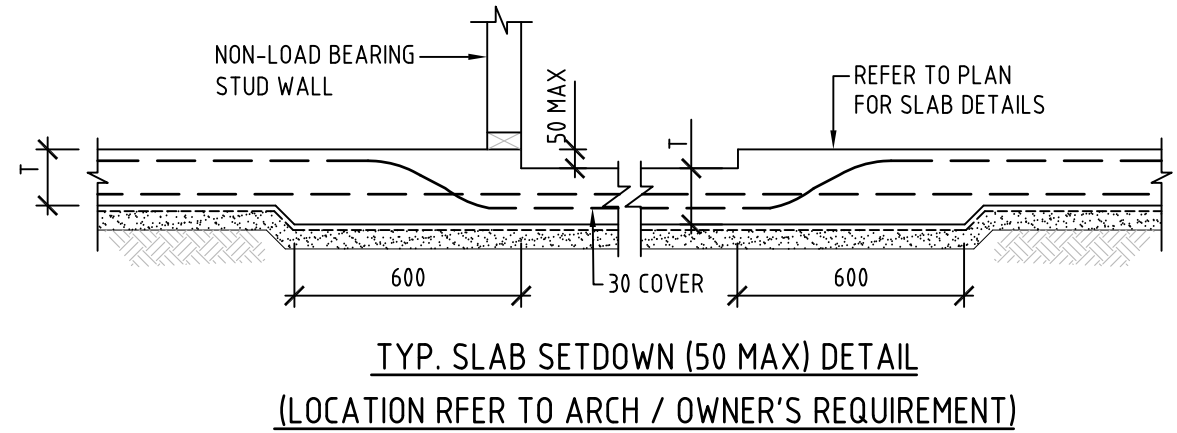
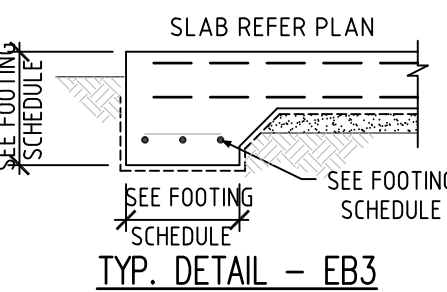
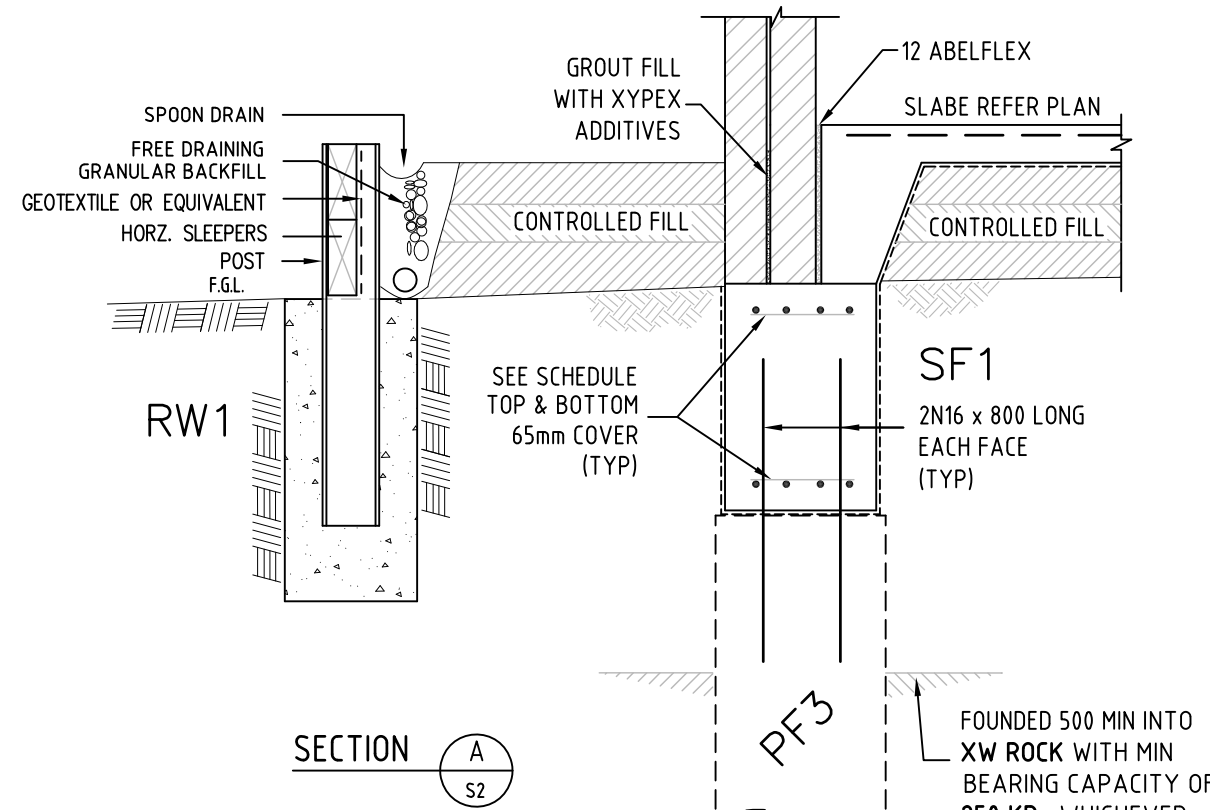
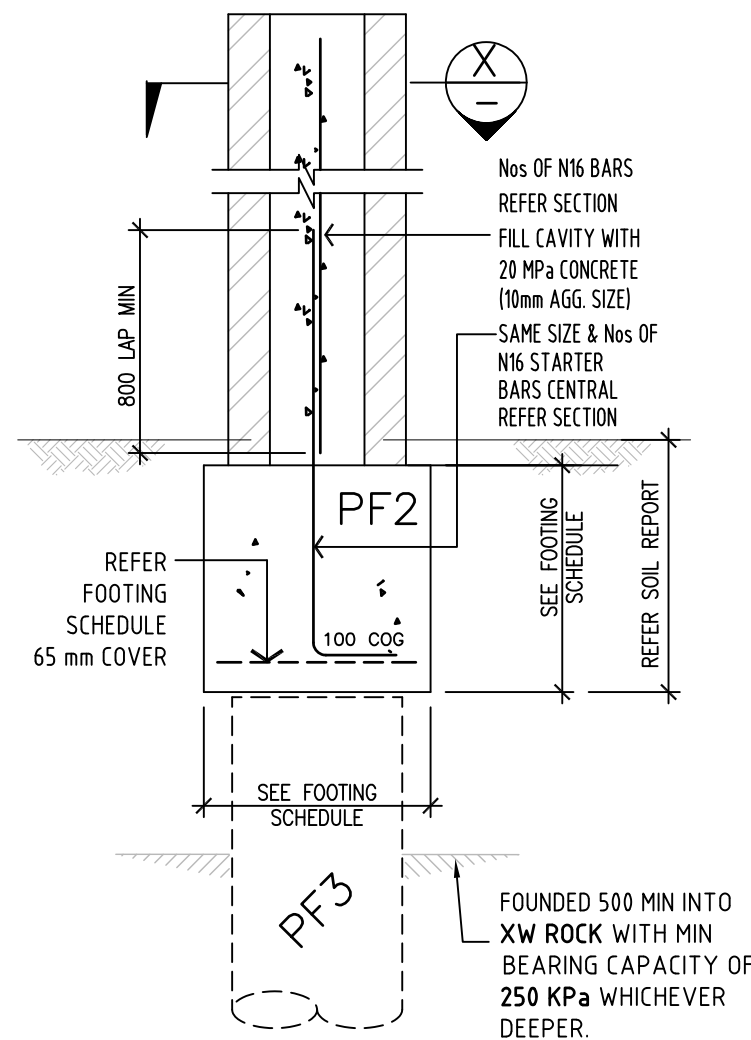
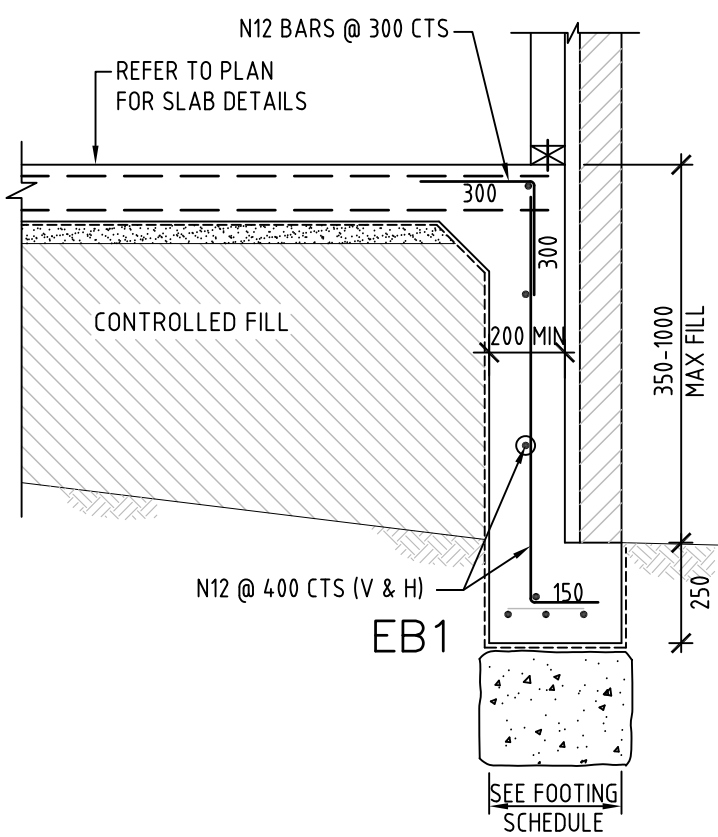
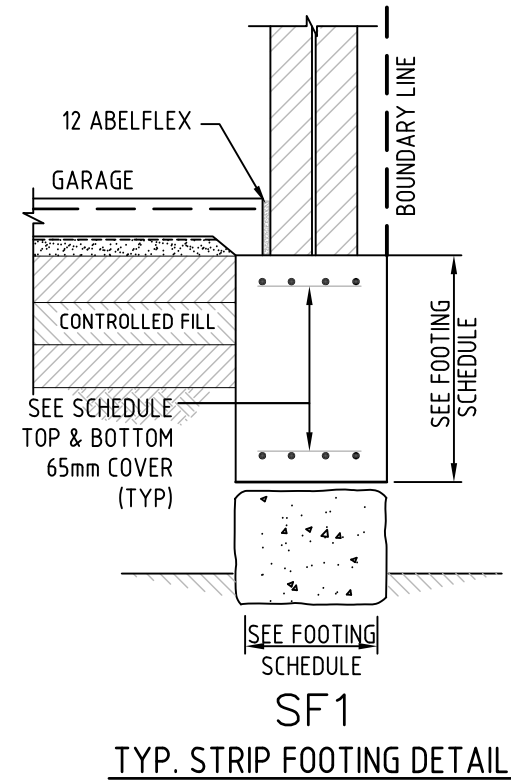
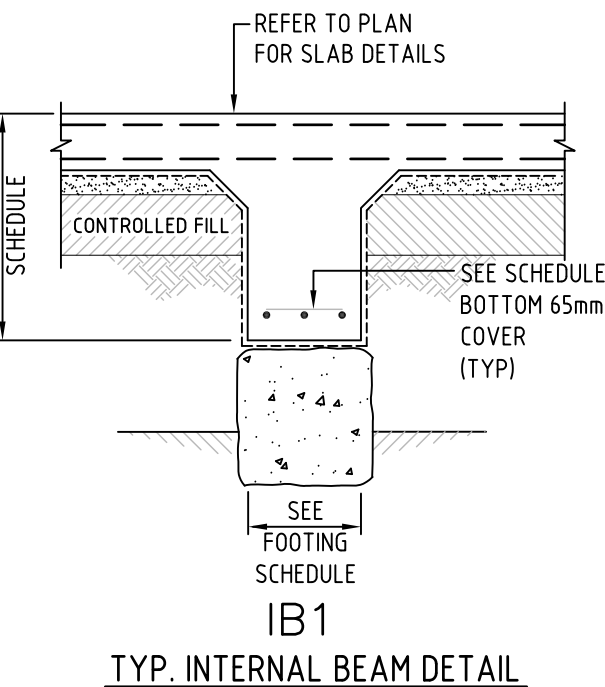
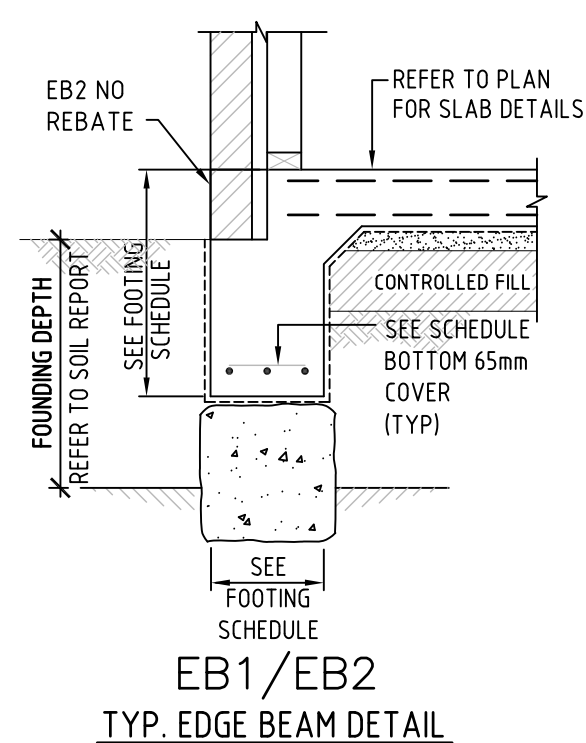
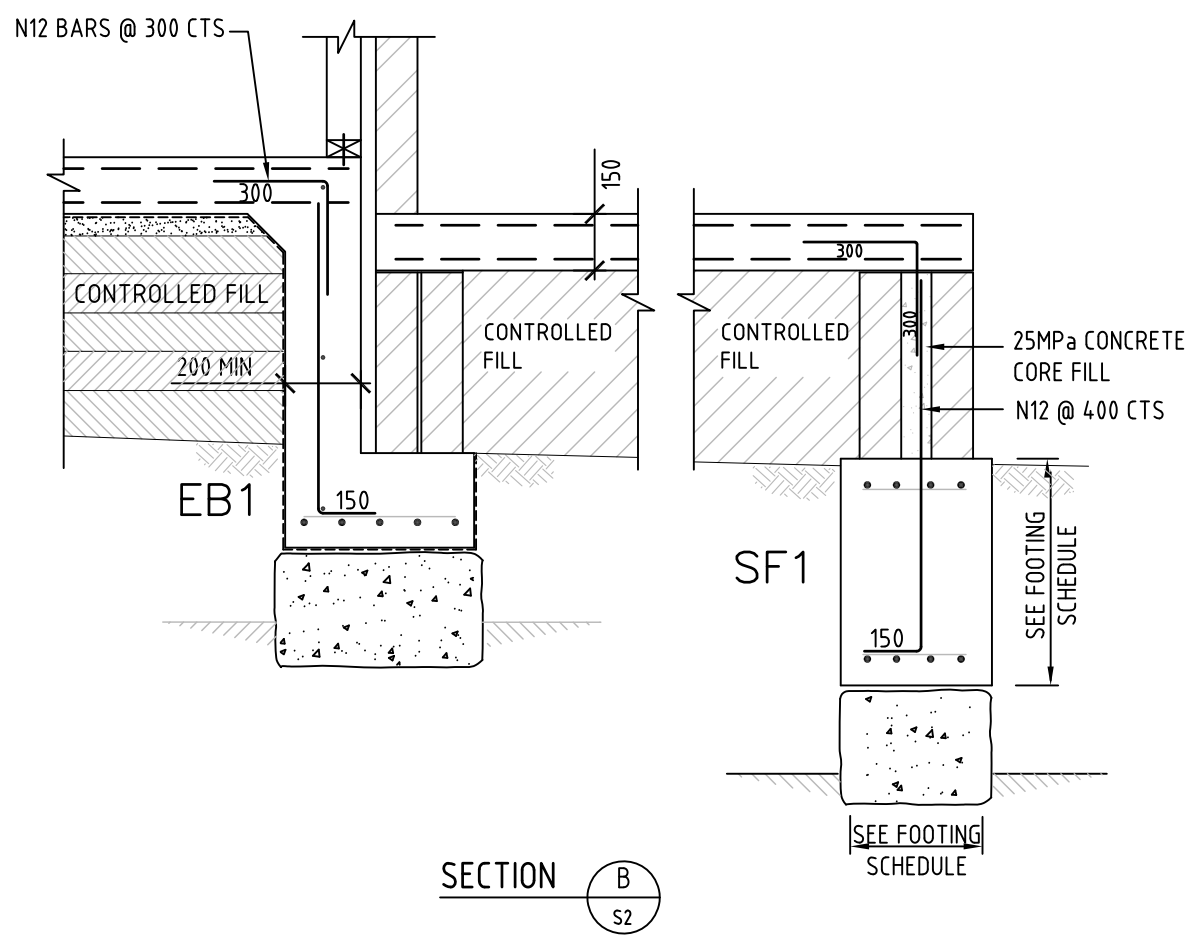
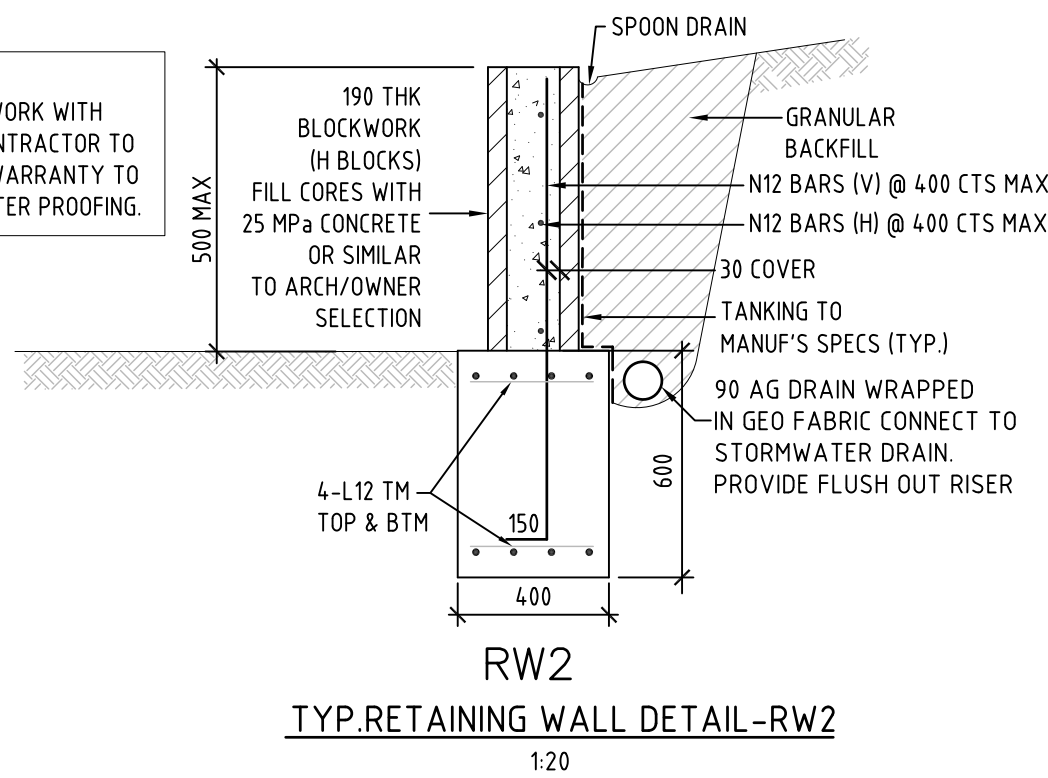
(*) VALUE IN BRACKET DENOTES DEPTH NEAR SERVICE PIPE



TYP SLEEPER RETAINING WALL DETAIL - RW1
(EXTENT OF RETAINING WALL SHALL BE IN ACCORDANCE WITH SITE CUT OR RELEVANT DRAWINGS BY OTHERS)



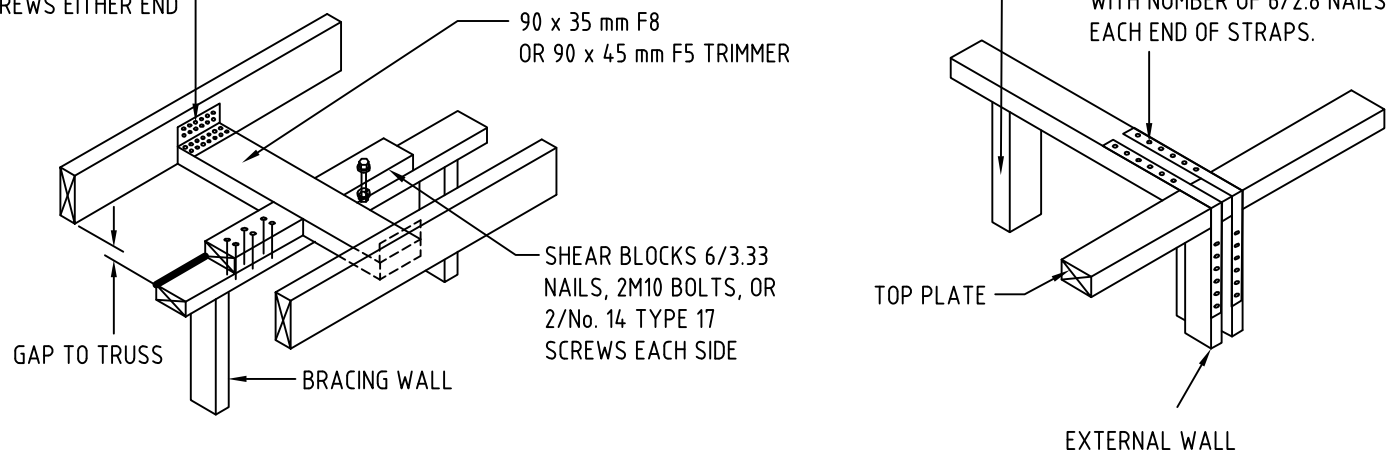
IT IS THE BUILDER'S RESPONSIBILITY TO WORK WITH WATER PROOFING CONTRACTOR TO GIVE THE REQUIRED WARRANTY TO RETAINING WALL WATER PROOFING.



				RST Consulting Civil & Structural Engineers Pty Ltd Unit 11 / 134 Springvale Road, SPRINGVALE VIC 3171 Tel : 03 9540 3640 / 8521 3256 Fax : 03 9546 2162 Mob : 0402 452 824 Email : ratanasar@rstconsulting.com.au Web : www.rstconsulting.com.au	ARCHITECT / BUILDING DESIGNER: PRESTIGIOUS MILLENNIUM DESIGN P/L STUDIO 17, 31-39 NORCAL RD NUNAWADING CLIENT: -	PROJECT: PROPOSED DEVELOPMENT 28 ST CLEMS ROAD DONCASTER EAST DRAWING TITLE: FOOTING DETAILS	Drawn By: CM, SL Date: NOVEMBER 2021 Project # 221205	Checked By: RS Approved By: RS Scale (@ A1): 1:20 Drawing # S3 of 5	Rev # -	
				REV.	DATE	DESCRIPTION				

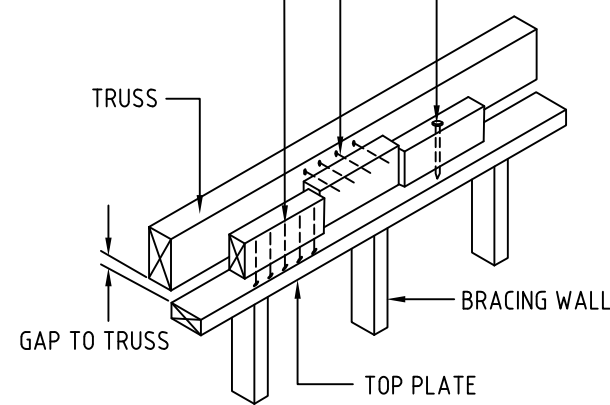
@1400 CTS OF BRACING WALL

NAILING PLATES OR FRAMING ANCHOR (LEGS NOT BENT) TO EITHER END OF NOGGING 6/2.8 mm Ø NAILS EACH FACE OR 2/No. 14 TYPE 17 BATTEN SCREWS EITHER END



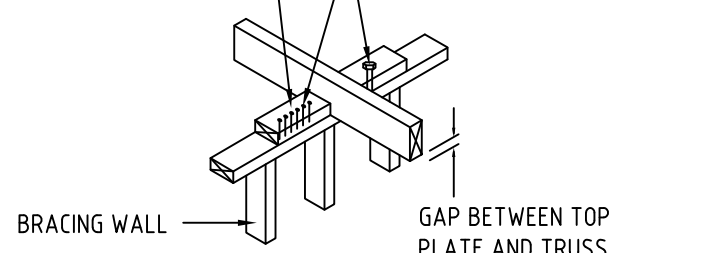
@1000 CTS OF BRACING WALL

6/3.33 NAILS OR 2/No. 14 TYPE 14 SCREWS TO EACH BLOCK

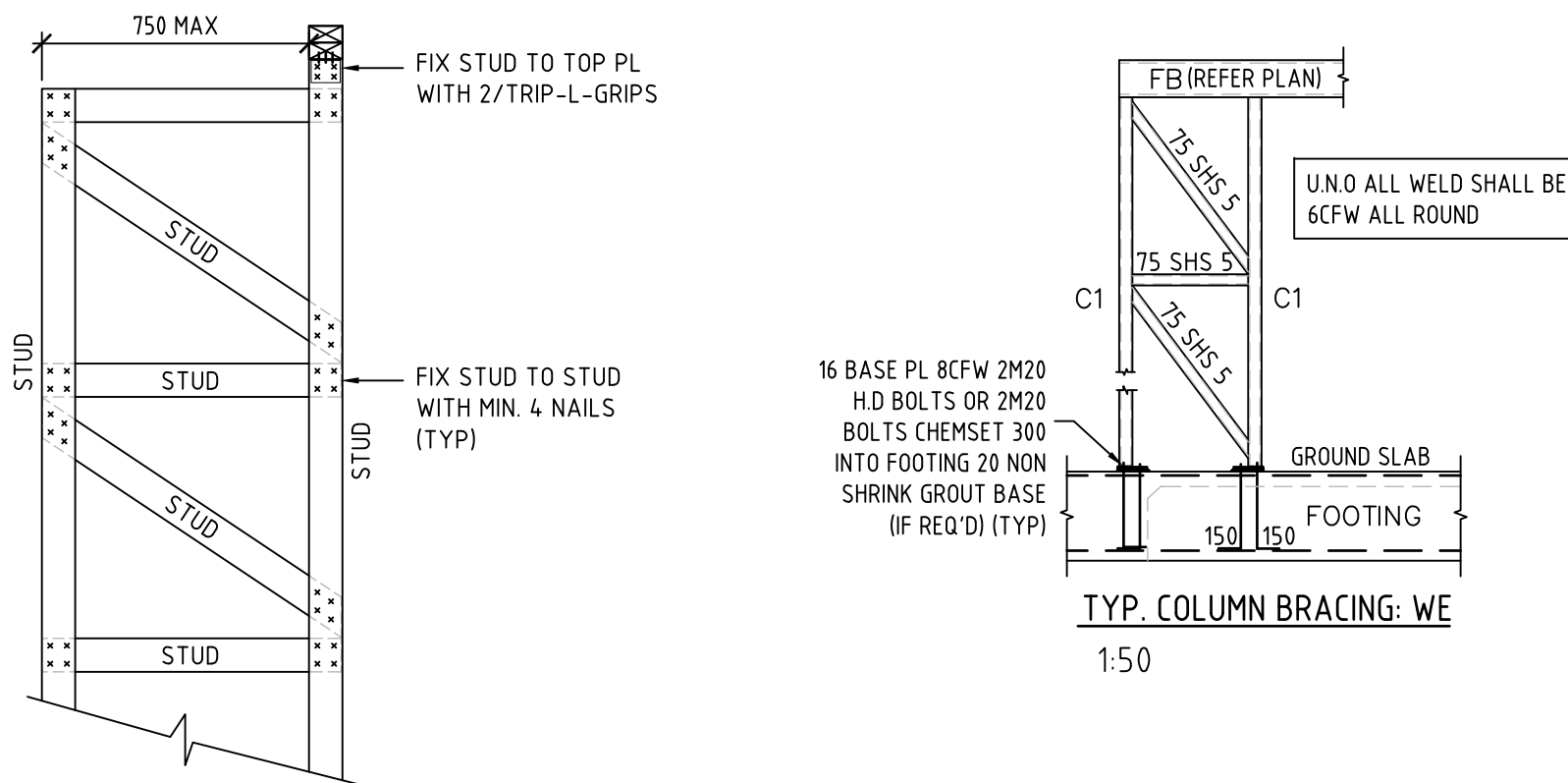


EVERY RAFTER/JOIST OF BRACING WALL

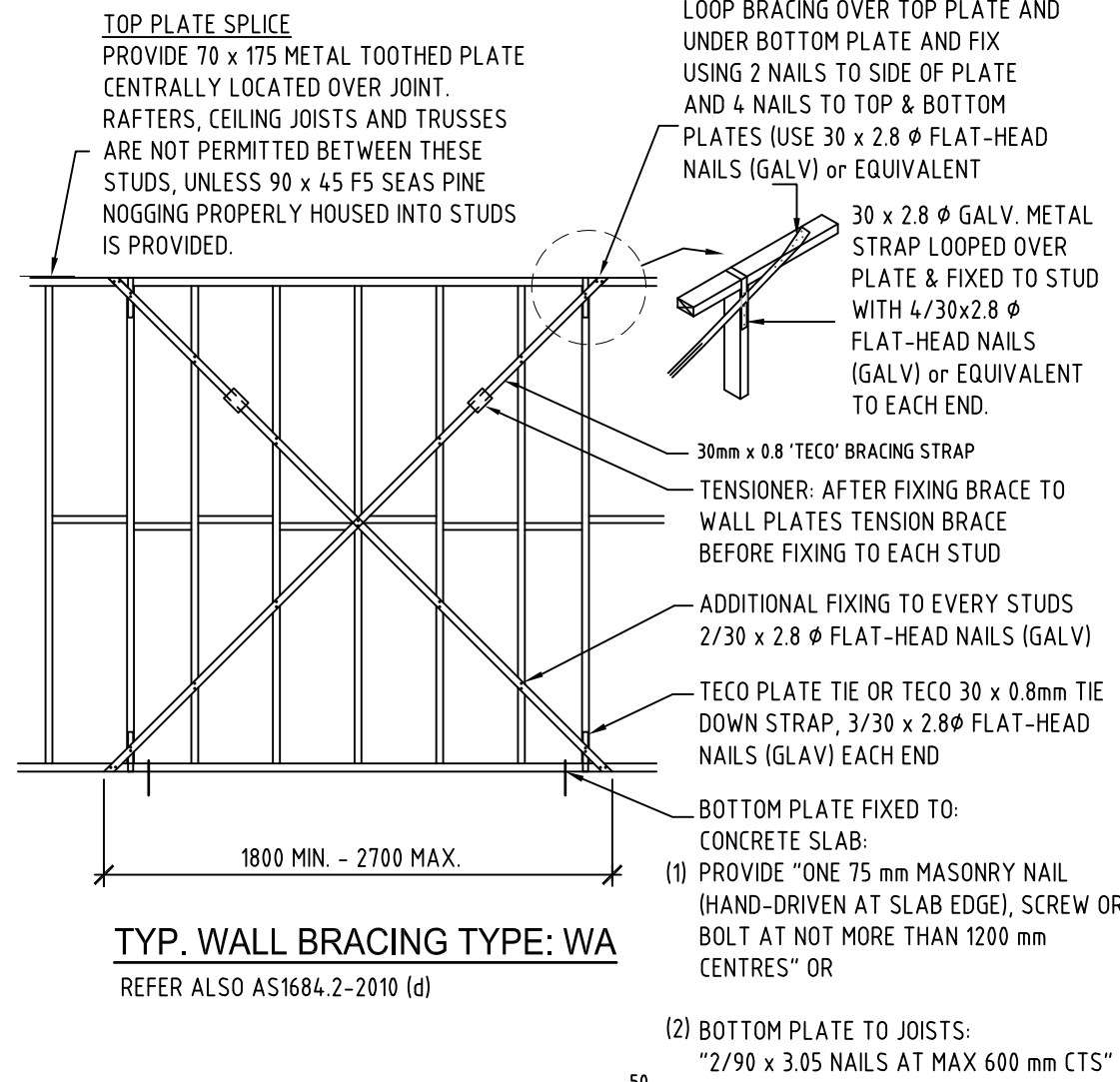
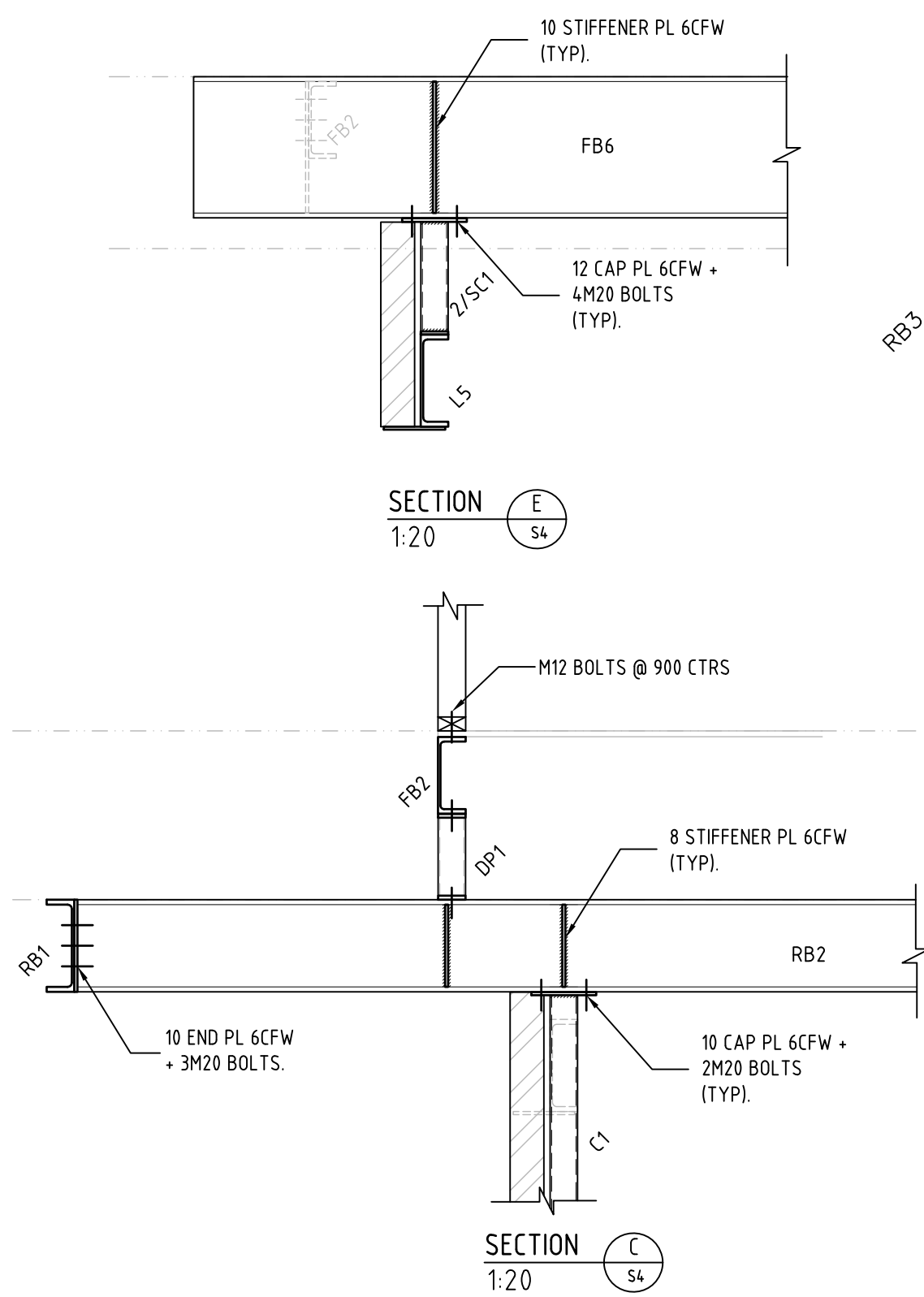
BLOCKING PIECES LARGE ENOUGH TO AVOID SPLITTING



TYP. BRACING WALL SHEAR BLOCKING DETAILS

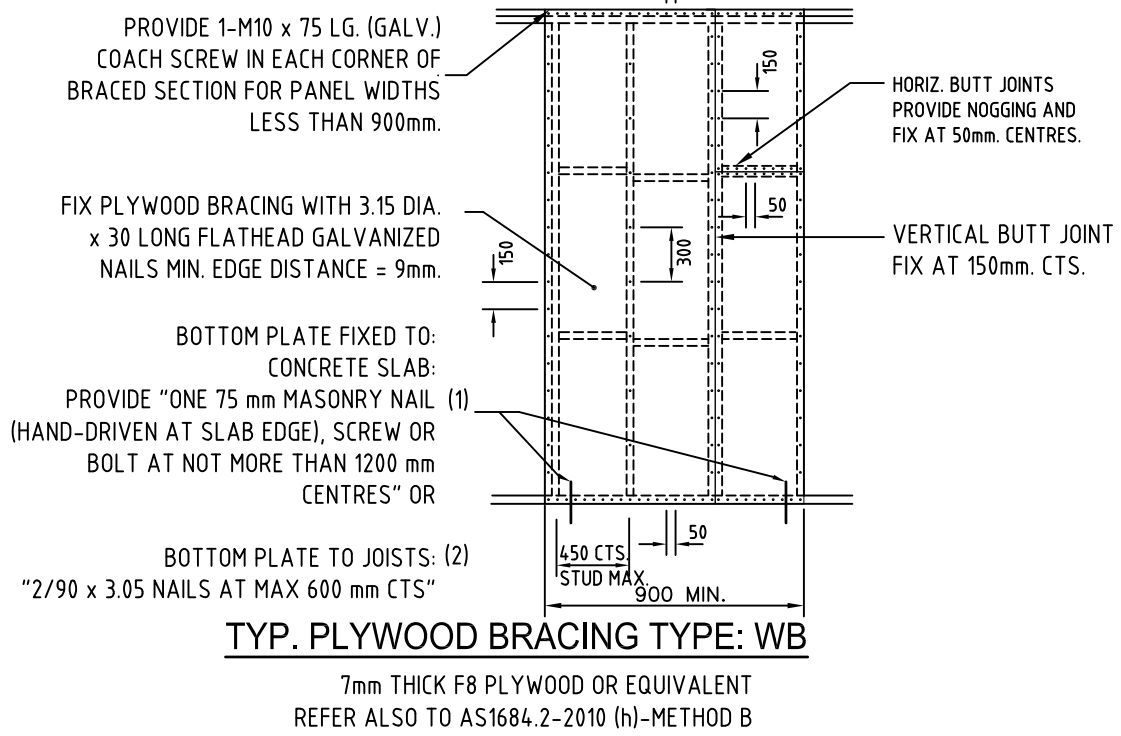


TYP. DETAIL: VERTICAL BOX UP FRAME FOR ARCH. FEATURE



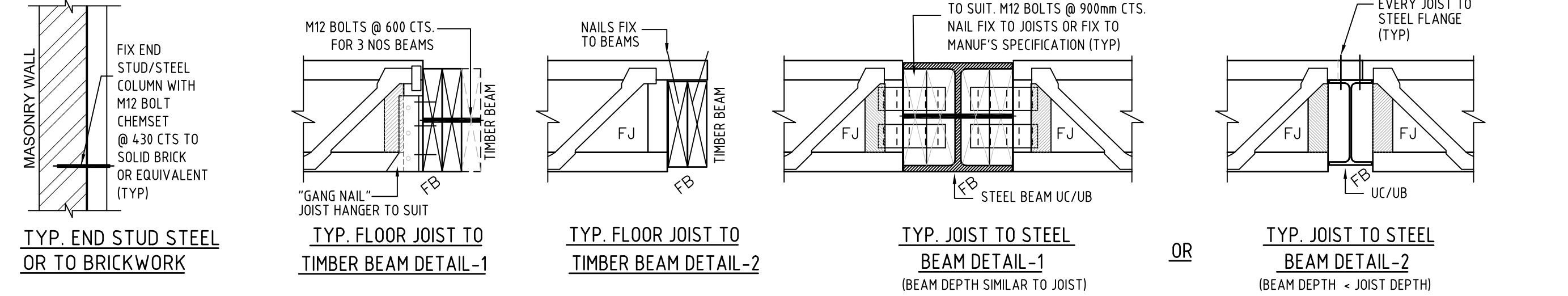
TYP. WALL BRACING TYPE: WA

REFER ALSO AS1684.2-2010 (d)



TYP. PLYWOOD BRACING TYPE: WB

REFER ALSO TO AS1684.2-2010 (h)-METHOD B



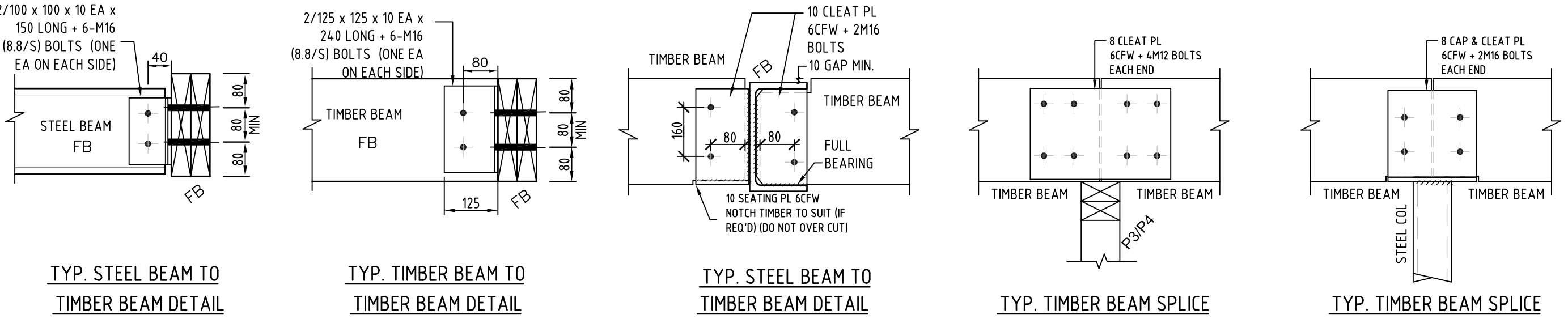
TYP. END STUD STEEL OR TO BRICKWORK

TYP. FLOOR JOIST TO TIMBER BEAM DETAIL-1

TYP. FLOOR JOIST TO TIMBER BEAM DETAIL-2

TYP. JOIST TO STEEL BEAM DETAIL-1

TYP. JOIST TO STEEL BEAM DETAIL-2



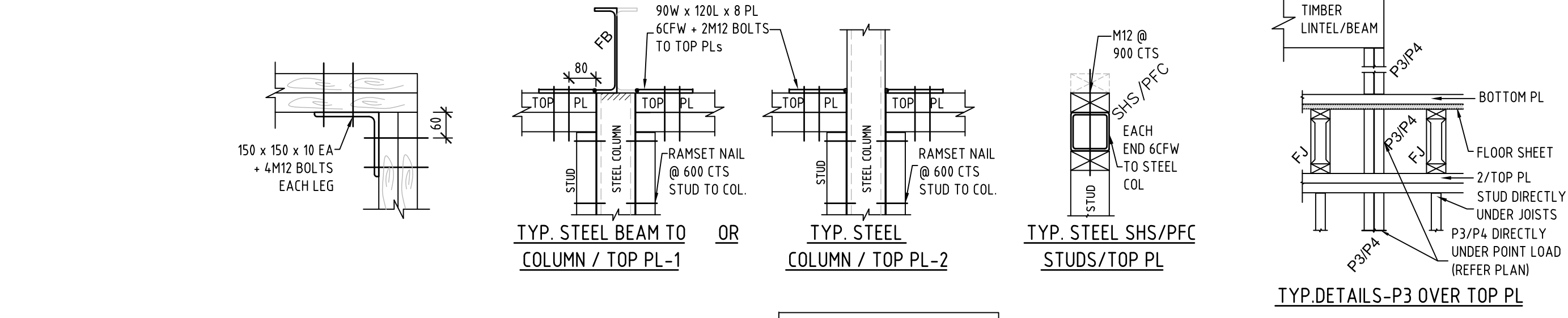
TYP. STEEL BEAM TO TIMBER BEAM DETAIL

TYP. TIMBER BEAM TO TIMBER BEAM DETAIL

TYP. STEEL BEAM TO TIMBER BEAM DETAIL

TYP. TIMBER BEAM SPLICE

TYP. TIMBER BEAM SPLICE

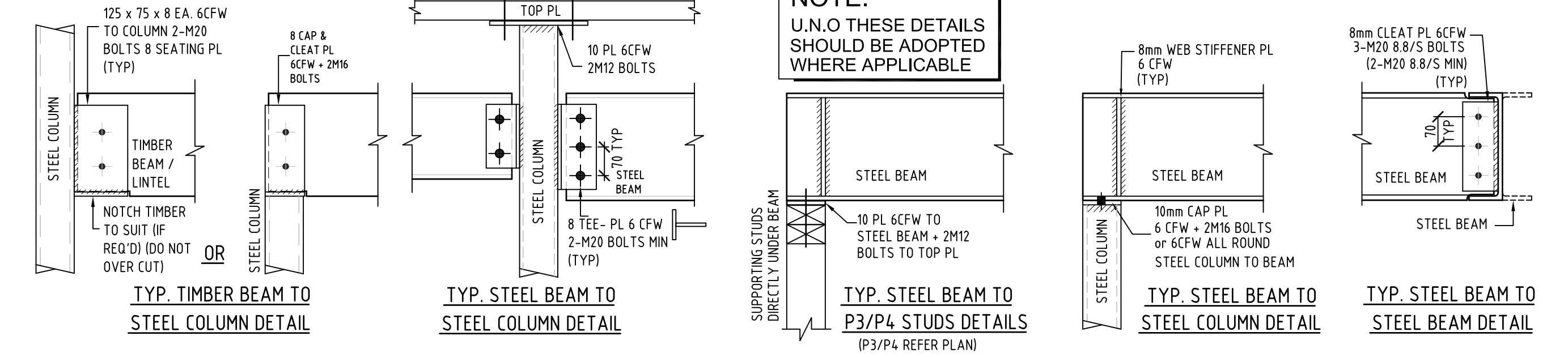


TYP. STEEL BEAM TO COLUMN / TOP PL-1

TYP. STEEL COLUMN / TOP PL-2

TYP. STEEL SHS/PFC STUDS/TOP PL

TYP. STEEL SHS/PFC STUDS/TOP PL



TYP. TIMBER BEAM TO STEEL COLUMN DETAIL

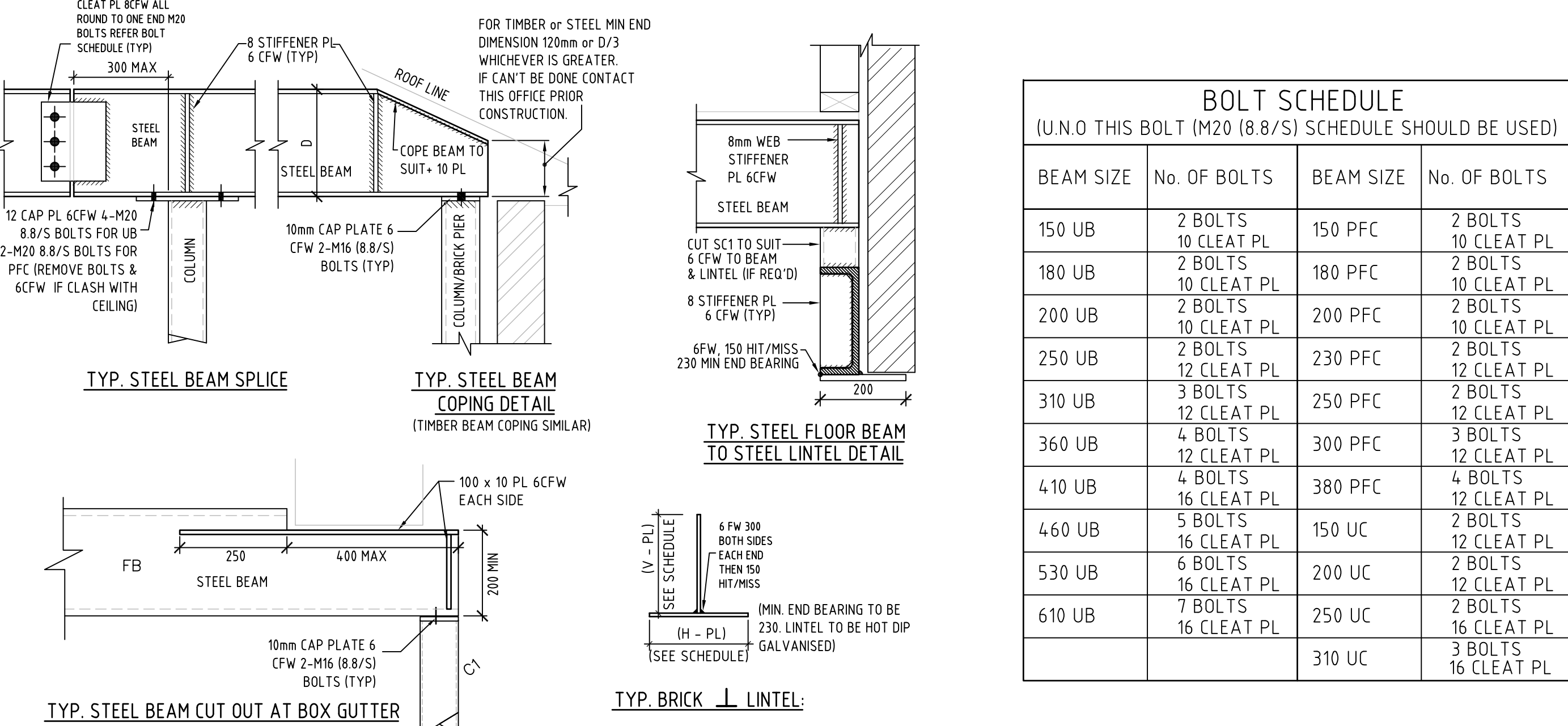
TYP. STEEL BEAM TO STEEL COLUMN DETAIL

NOTE: U.N.O THESE DETAILS SHOULD BE ADOPTED WHERE APPLICABLE

TYP. STEEL BEAM TO P3/P4 STUDS DETAILS

TYP. STEEL BEAM TO STEEL COLUMN DETAIL

TYP. STEEL BEAM TO STEEL BEAM DETAIL



TYP. STEEL BEAM SPLICE

TYP. STEEL BEAM COPING DETAIL

TYP. STEEL FLOOR BEAM TO STEEL LINTEL DETAIL

TYP. STEEL BEAM CUT OUT AT BOX GUTTER

TYP. BRICK LINTEL:

BOLT SCHEDULE			
(U.N.O THIS BOLT (M20 (8.8/S) SCHEDULE SHOULD BE USED)			
BEAM SIZE	No. OF BOLTS	BEAM SIZE	No. OF BOLTS
150 UB	2 BOLTS 10 CLEAT PL	150 PFC	2 BOLTS 10 CLEAT PL
180 UB	2 BOLTS 10 CLEAT PL	180 PFC	2 BOLTS 10 CLEAT PL
200 UB	2 BOLTS 10 CLEAT PL	200 PFC	2 BOLTS 10 CLEAT PL
250 UB	2 BOLTS 12 CLEAT PL	230 PFC	2 BOLTS 12 CLEAT PL
310 UB	3 BOLTS 12 CLEAT PL	250 PFC	2 BOLTS 12 CLEAT PL
360 UB	4 BOLTS 12 CLEAT PL	300 PFC	3 BOLTS 12 CLEAT PL
410 UB	4 BOLTS 16 CLEAT PL	380 PFC	4 BOLTS 12 CLEAT PL
460 UB	5 BOLTS 16 CLEAT PL	150 UC	2 BOLTS 12 CLEAT PL
530 UB	6 BOLTS 16 CLEAT PL	200 UC	2 BOLTS 12 CLEAT PL
610 UB	7 BOLTS 16 CLEAT PL	250 UC	2 BOLTS 16 CLEAT PL
		310 UC	3 BOLTS 16 CLEAT PL

STANDARD TYPICAL DETAILS

SCALE : 1:10

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		CLIENT:	DRAWING TITLE: STRUCTURAL DETAILS			