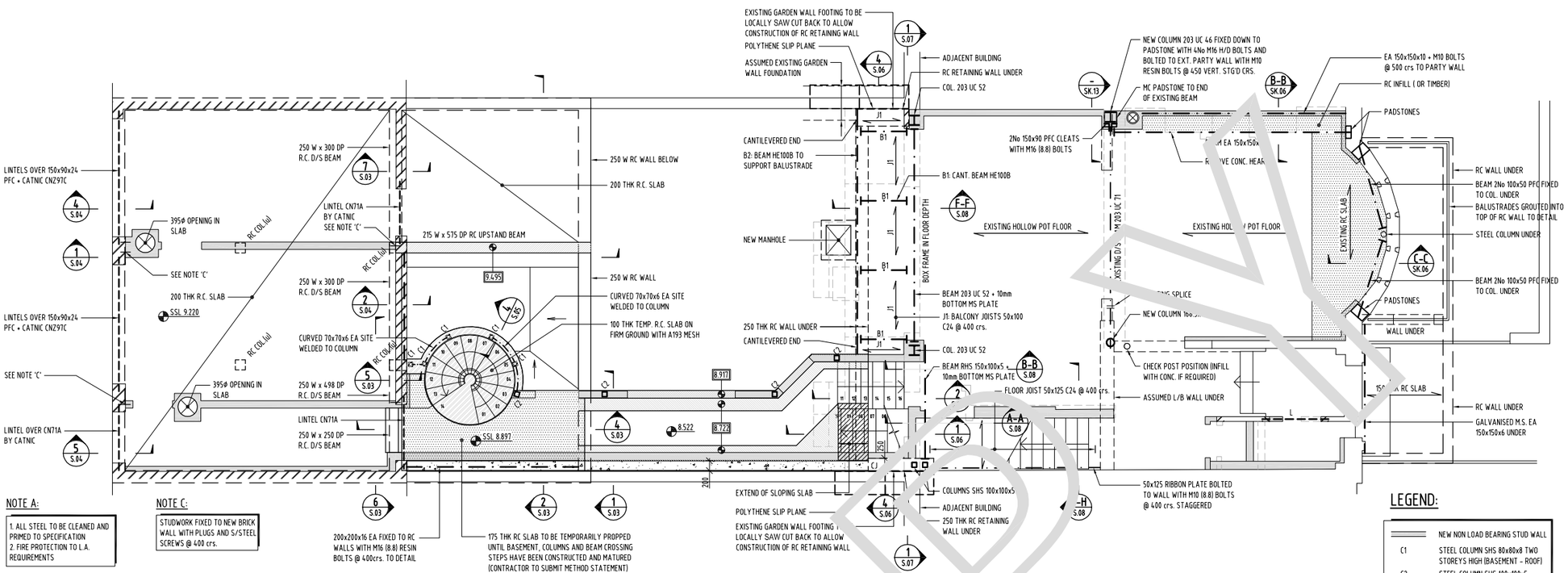


PROPOSED GROUND FLOOR PLAN

SCALE 1:50

NOTE A:

1. ALL STEEL TO BE CLEANED AND PRIMED TO SPECIFICATION
2. FIRE PROTECTION TO L.A. REQUIREMENTS

NOTE B:

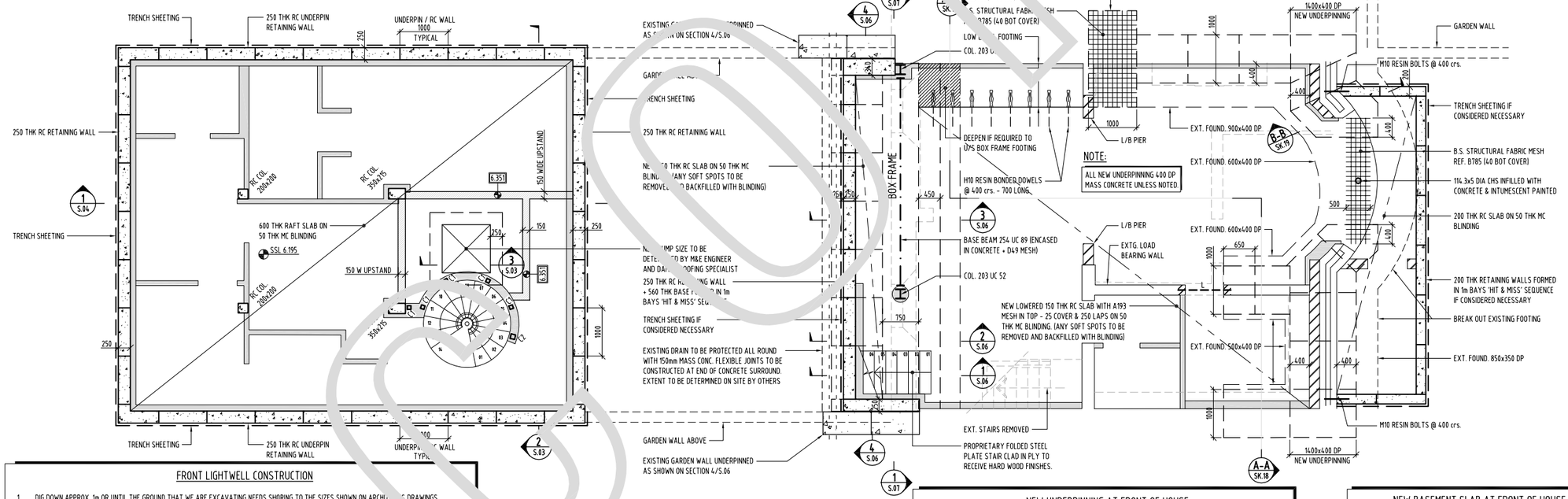
FOR 100 SQ. C24 TEMPORARY TIMBER POSTS SUPPORTING ROOF REFER TO SKETCH GL/04

NOTE C:

STUDWORK FIXED TO NEW BRICK WALL WITH PLUGS AND S/STEEL SCREWS @ 400 crs.

LEGEND:

	NEW NON LOAD BEARING STUD WALL
C1	STEEL COLUMN SHS 80x80x8 TWO STOREYS HIGH (BASEMENT – ROOF)
C2	STEEL COLUMN SHS 100x100x5
L	DENOTES NEW LINTEL OVER



PROPOSED BASEMENT FLOOR PLAN

SCALE 1:50

NOTE:

ALL NEW UNDERPINNING 400 DP. MASS CONCRETE UNLESS NOTED.

FRONT LIGHTWELL CONSTRUCTION

1. DIG DOWN APPROX. 1m OR UNTIL THE GROUND THAT WE ARE EXCAVATING NEEDS SHORING TO THE SIZES SHOWN ON ARCHITECT'S DRAWINGS.
2. INSTALL TRENCH SHEETS TO ALL FACES OF THE EXCAVATION AS THE LIGHTWELL IS BEING DRIVEN DOWN OVER ABOVE DEPTH. LEAVE TRENCH SHEETS BELOW BASE OF SLAB ENCASING IN TEMPORARY CONCRETE AND KEEP SHEETS PROPPED AT THE TOP OFF OF EXISTING HOUSE WALL.
3. ONCE THE TRENCH SHEETS ARE INSTALLED IT MAY BE NECESSARY TO FILL BEHIND THE SHEETS WITH 10mm AGGREGATE CONCRETE TO FILL ANY VOIDS.
4. AS THE VOID IS BEING FILLED DRILL SMALL WITNESS HOLES THROUGH THE SHEET TO ENSURE THAT THE VOID IS COMPLETELY FILLED. KEEP TRENCH SHEETS PROPPED AT THE TOP AT ALL TIMES.
5. IF THERE IS NO WALL ABOVE THE CONCRETE PIN AND IF THE GROUND IS SELF-SUPPORTING THEN WE WILL TAKE THE SHEETS OUT AS WE CONCRETE (WHICH CASE NO BACKFILL TO VOIDS REQUIRED).
6. INSTALL MESH / REBAR INTO THE BASE OF THE WALL AS PER ENGINEER'S DETAIL.
7. INSTALL ANY DRAINAGE RUNS THAT ARE SHOWN ON ARCHITECT'S DRAWINGS.
8. CONCRETE THE BASE LEAVING STARTER BARS PROJECTING OUT OF THE CONCRETE TO ENABLE US TO TIE ONTO FOR THE REMAINDER OF THE SLAB AS PER ENGINEER'S DETAILS.
9. INSTALL MESH / REBAR TO THE WALL SECTION.
10. SHUTTER FACE OF WALL.
11. CONCRETE WALL.
12. REPEAT THIS SEQUENCE ACROSS THE REAR OF THE LIGHTWELL AND THE TWO SIDES TO CREATE THE LIGHTWELL.
13. SHUTTER AND FORM THE CONCRETE LID TO APPROX HALF OF THE FRONT LIGHTWELL AS PER ENGINEER'S DETAILS.
14. SHUTTER AND FORM THE INTERNAL WALLS TO THE LIGHTWELL TO FORM THE STOREROOM AS PER ENGINEERS DETAIL.
15. GIVE THE BUILDING INSPECTOR REASONABLE NOTICE TO CHECK EXCAVATION AND REINFORCEMENT PRIOR TO CONCRETING.

NEW UNDERPINNING AT FRONT OF HOUSE

(WORKS ALREADY CARRIED OUT)

1. ONCE THE EXISTING SLAB HAS BEEN BROKEN OUT DIG DOWN EACH PIN IN 1m SECTIONS AND CART THE MUCK TO SKIP ON CONVEYER BELTS.
2. DIG DOWN TO DESIRED DEPTH AS PER ENGINEER'S DETAILS.
3. CLEAN OFF ANY LOOSE MATERIAL TO THE UNDER SIDE OF THE EXISTING FOOTING USING COMPRESSED AIR FROM THE COMPRESSOR SO THAT THE DRY PACK IS RAMMED IN BETWEEN TWO SOLID CONCRETE INTERFACES WHEN THE PIN IS COMPLETE.
4. INSTALL MESH / REBAR AS PER ENGINEER'S DETAILS.
5. CONCRETE BASE OF PIN.
6. DRY PACK THE PIN SECTION AND ALLOW TO DRY FOR 72HOURS BEFORE STARTING THE ADJOINING UNDERPINS.
7. REPEAT THIS OPERATION IN A HIT AND MISS SEQUENCE UNTIL ALL PINS ARE COMPLETE.
8. ONCE ALL THE UNDERPINNING IS COMPLETE SAW CUT THE EXISTING FOOTING WITH A DIAMOND BLADE AND REMOVE THE OVERHANGING FOOTING.
9. SCABBLE BACK ANY CONCRETE ON THE FACE OF THE EXISTING FOOTING SO THAT IT IS FLUSH WITH THE WALL ABOVE.
14. GIVE THE BUILDING INSPECTOR REASONABLE NOTICE TO CHECK EXCAVATION AND REINFORCEMENT PRIOR TO CONCRETING.

NEW BASEMENT SLAB AT FRONT OF HOUSE

(WORKS ALREADY CARRIED OUT)

1. BREAK OUT EXISTING CONCRETE SLAB USING COMPRESSOR AND JACK HAMMERS AND CART TO SKIP ON CONVEYER BELTS.
2. DIG DOWN UNTIL WE REACH THE TOP OF THE EXISTING FOUNDATIONS AND CART MUCK TO SKIP ON CONVEYER.
3. INSTALL ANY DRAINAGE THAT IS SHOWN ON ARCHITECT'S DRAWINGS AND BACK FILL TO COUNCIL APPROVAL.
4. LAY NEW CONCRETE SLAB TO ENGINEER'S DETAIL. DIG DOWN APPROX 1m OR UNTIL THE GROUND THAT WE ARE EXCAVATING NEEDS SHORING TO THE SIZES SHOWN ON ARCHITECT'S DRAWINGS.
5. GIVE THE BUILDING INSPECTOR REASONABLE NOTICE TO CHECK EXCAVATION AND REINFORCEMENT PRIOR TO CONCRETING

NOTES

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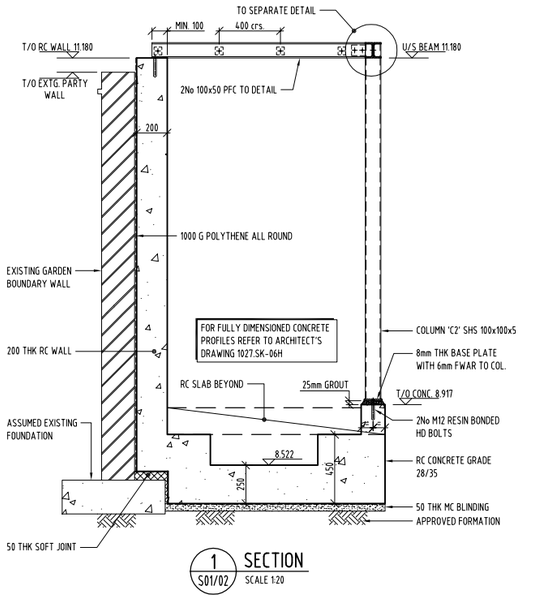

1 SECTION
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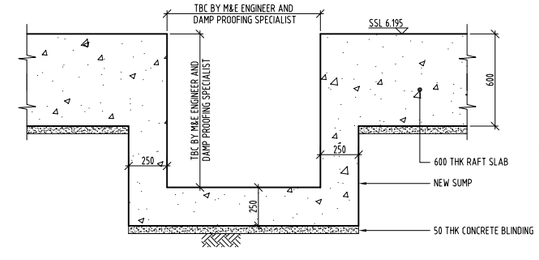

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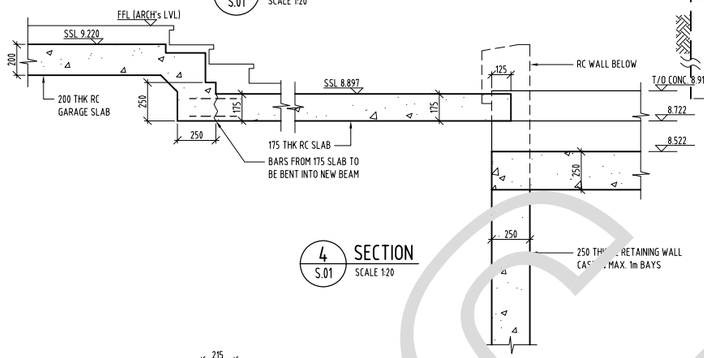
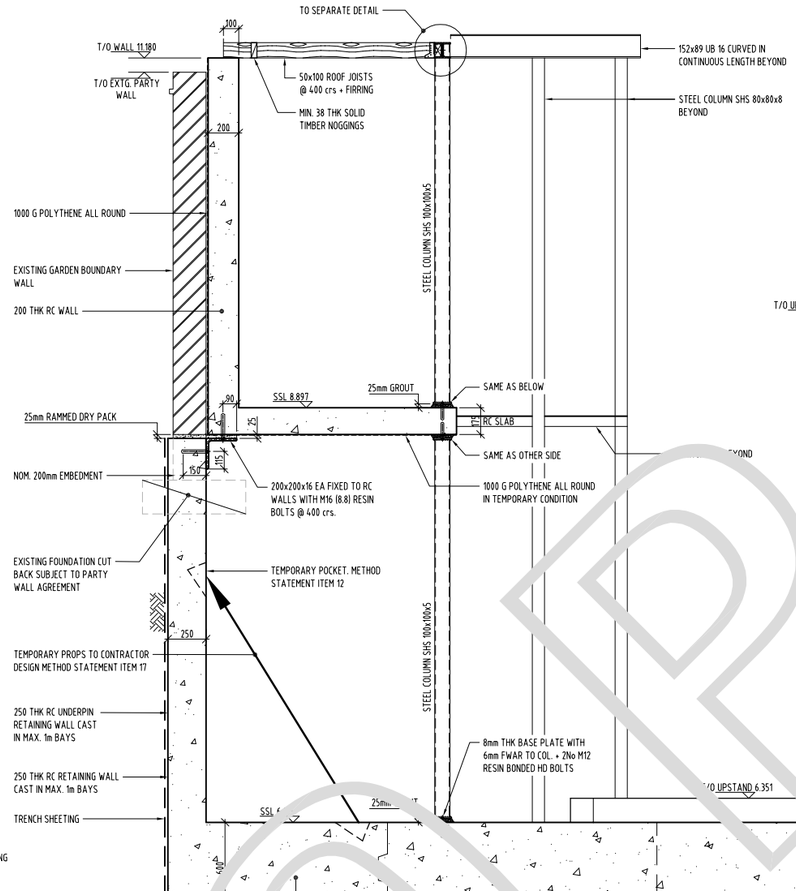


4 SECTION
S.01 SCALE 1:20



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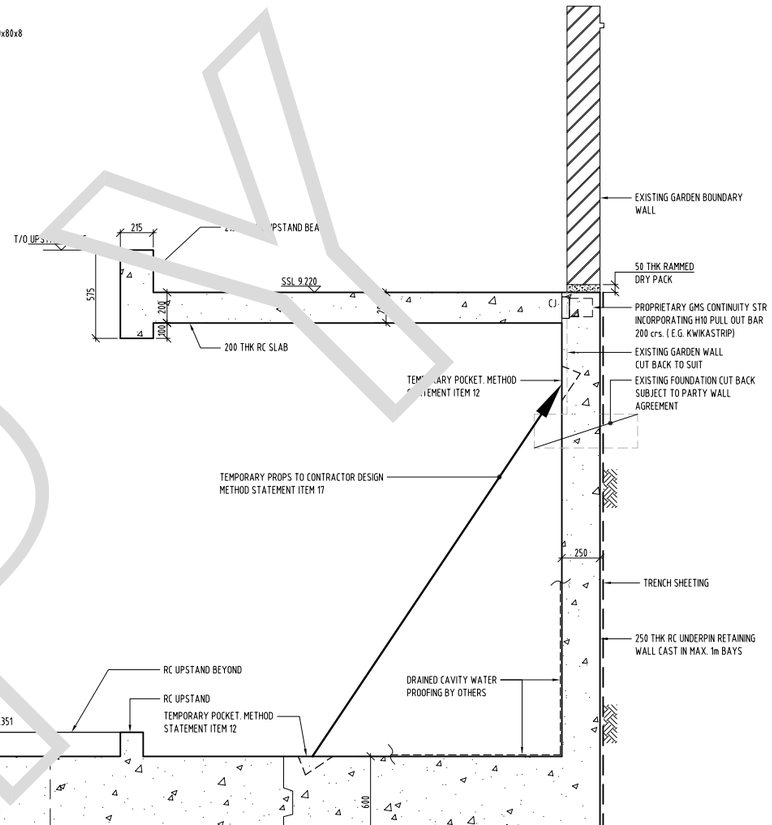

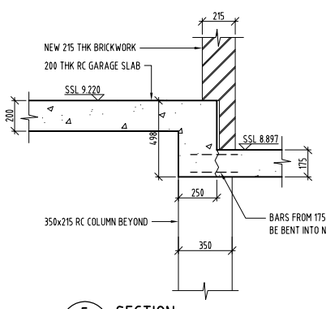

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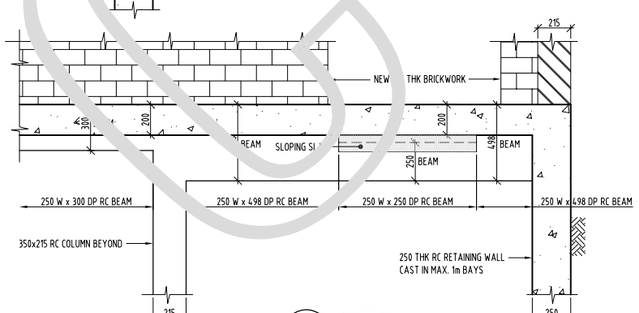
S.01 SCALE 1:20



6 SECTION
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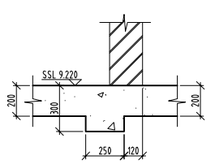

7 SECTION
S.01 SCALE 1:20

NOTES

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METHOD STATEMENT

(METHOD STATEMENT FOR THE UNDERPINNING OF THE EXISTING PARTY GARAGE WALLS AT 88 OLD CHURCH STREET)

1. EXCAVATE UNDERPIN IN FRONT OF THE WALL 1m x 1m SQUARE.
2. AS THE HOLE IS BEING DUG INSERT TEMPORARY SHEET PILES TO 3 OPEN SIDES.
3. DRIVE SHEETS DOWN AS WE GO DOWN WITH THE EXCAVATION KEEPING PROPPED OFF ALL SIDES.
4. DEMOLISH EXISTING GARAGE WALL AND FOOTING BELOW THE EXISTING SLAB AT No86 / No90 TO REQUIRED DEPTH.
5. ONCE WE HAVE EXCAVATED THE PIN UNDER THE WALL TO CORRECT DEPTH AND WIDTH TO ALLOW FOR TRENCH SHEETING INSERT SACRIFICIAL SHEETS WITH 10mm AGGREGATE BACKFILL CONCRETE TO HIDDEN VOIDS.
6. ALLOW FOR DRILLING 10mm WITNESS HOLES TO CONFIRM EXTEND OF BACKFILL CONCRETE BEHIND TRENCH SHEETING
7. PROP ALL SIDES OFF OF EACH OTHER.
8. INSERT ANY MESH / REBAR INTO THE BASE (TOE) OF THE UNDERPIN.
9. CONCRETE THE BASE.
10. INSERT MESH / REBAR AND KWIKASTRIP SECTION INTO WALL SECTION.
11. SHUTTER THE FACE SIDE OF THE NEW UNDERPIN LEAVING THE SHEET PILES IN AT THE REAR OF THE PIN.
12. IN THE FACE OF THE SHUTTER LEAVE OUT A RECESSED POCKET. THIS WILL ENABLE US TO INSTALL THE DIAGONAL PROPS AND THIS POCKETS WILL STOP THE PROP HEADS FROM SLIPPING OR MOVING ABOUT. THIS WILL ALSO APPLY TO THE TOE OF THE UNDERPIN.
13. PROP THE SHUTTER OFF OF THE OPEN FACES OF THE DIG USING ACROW'S LEAVING ALL TEMPORARY SHEETS PROPPED AT ALL TIMES.
14. CONCRETE WALL SECTION
15. STRIKE THE SHUTTER ONCE CURED
16. DRY PACK THE TOP 50mm TO 75mm UNDER EXISTING FOOTING.
17. INSERT DIAGONAL PROPS AND LEAVE IN SITUATION UNTIL THE ROOF SLAB IS COMPLETED AS SHOWN ON ENGINEER'S DETAILS.
18. PULL OUT ALL TEMPORARY SHEET PILES.
19. BACK FILL EXCAVATED HOLE FOR SAFETY UNTIL ALL UNDERPINNING IS COMPLETE.
20. MOVE ONTO THE 4TH PIN TO ALLOW CURING TIME ON THE 1ST PIN AND REPEAT SEQUENCE.
21. MOVE BACK ONTO 2ND PIN AFTER 72 HOURS OR LONGER DEPENDING ON THE SEQUENCING.
22. GIVE THE BUILDING INSPECTOR REASONABLE NOTICE TO CHECK EXCAVATION AND REINFORCEMENT PRIOR TO CONCRETING.

12 THK FITTED STIFFENERS EACH SIDE OF WEB + 6mm FW ALL ROUND
500 crs.
TOS 12.775
203x102x26 WELDED TEES @ 500 crs. AT EACH SIDE OF WEB
10 THK SHOP WELDED ANGLE BRACKET (FIXED ON SITE)
10 THK SHOP WELDED ANGLE BRACKET (FIXED ON SITE)
203x102x26 WELDED TEES @ 500 crs. AT EACH SIDE OF WEB
12 THK END PLATE WELDED TO BASE BEAM WITH 6mm FWAR + 4No M20 (8.8) BOLTS INTO COLUMN
TOP BEAM 203 UC 60
U/S BEAM 12.565
12 THK CAP PLATE WELDED TO COLUMN WITH 6mm FWAR + 4No M20 (8.8) BOLTS
10 THK SHOP WELDED ANGLE BRACKET (FIXED ON SITE)
2No ANGLE CLEAT 200x200x16 EA - BOLTED TO COLUMN AND BEAM WITH 8No M20 (8.8) COUNTERS BOLTS EACH SIDE
12 THK CAP PLATE WELDED TO COLUMN WITH 6mm FWAR AND FIXED TO BEAM WITH 4No M16 BOLTS
NOM. 10
12 THK CAP PLATE WELDED TO COLUMN WITH 6mm FWAR AND FIXED TO BEAM WITH 4No M16 BOLTS
STEEL COLUMN 203 UC 52
10 THK PLATE WELDED TO COL. WITH 6mm FWAR
10 THK PLATE WELDED TO COL. WITH 6mm FWAR
STEEL COLUMN (HANGER) SHS 100x100x5
STEEL COLUMN SHS 100x100x5
10 THK SHOP WELDED ANGLE BRACKET FIXED ON SITE TO LINE AND LEVEL NOT SHOWN FOR CLARITY SEE SECTION D-D
EA 150x150x10 BEHIND WELDED TO 'T' FLANGES TO SUPPORT EXISITNG HOLLOW POT FLOOR
FACE OF EXISTING CAVITY WALL
LINTEL CG 90/100 BY CATNIC SUPPORTED ON ANGLE BRACKETS
SAME AS OTHER SIDE
NOM. 75 BEARING
U/S LINTEL 11.285
ANGLE BRACKET 100x100x8 EA x 280 lg. WELDED TO COL. WITH 6mm FW
LINTEL SHOT FIRED (OR SELF - TAPPING SCREWS) TO ANGLE BRACKET EACH SIDE
FOR SECTIONS REFER TO DRAWING 3369/S.08 U.N.O.
NOTE:
STEELWORK TO BE GALVANISED OR PAINTED TO SUIT EXPOSED CONDITION
NOTE:
ALL SITE WELDS TO BE CLEANED TO SA 2½ STANDARD AND RE-PRIMED TO SPECIFICATION
TIMBER TIGHT FITTING WEDGES
12ø RESIN BOLTS @ 300 crs VERT. STAGGERED EACH SIDE OF WEB
300 crs MAX. STAGGERED
PILOT HOLES
STEEL COLUMN 203 UC 52
12 THK PLATE WELDED TO COL. WITH 6mm FWAR
U/S BEAM 11.180
STEEL COLUMN 203 UC 52
BEAM BEYOND RHS 150x100x5
12 THK BASE PLATE WELDED TO COLUMN WITH 6mm FWAR + 4No M20 (8.8) BOLTS
CANTILEVERED BEAM HE100B + 6mm FW ALL ROUND
12 THK END PLATE WELDED TO BEAMS WITH 6mm FWAR + 8No M20 (8.8) BOLTS INTO COLUMNS
TOS 9.972
TOS 9.916
12 THK END PLATE WELDED TO BEAM WITH 6mm FWAR + 8No M20 (8.8) BOLTS INTO COLUMNS
BEAM 203 UC 52 + 10mm BOTTOM MS PLATE + 6mm FW IN 100 HIT / 200 MISS SEQUENCE
12 THK END PLATE + 4No M12 (8.8) BOLTS
BEAM 9.766
U/S BEAM 9.766
12 THK FITTED STIFFENERS EACH SIDE OF WEB + 6mm FW ALL ROUND
10mm BOTTOM MS PLATE + 6mm FW IN 100 HIT / 200 MISS SEQUENCE
TBC ON SITE
12 THK CAP PLATE WELDED TO COLUMN WITH 6mm FWAR + 4No M20 (8.8) BOLTS
SHS 100x5 COL. WITH 200x120x8mm PLATE + 6mm FWAR
25mm GROUT
T/O RC WALL 8.722
2No M12 RESIN BOLTS
250 THK RC WALL
12ø RESIN BOLTS @ 300 crs VERT. STAGGERED EACH SIDE OF WEB
PILOT HOLES
STEEL COLUMN 203 UC 52
12 THK BASE PLATE WELDED TO COLUMN WITH 6mm FWAR + 4No M20 (8.8) BOLTS
D49 WRAPPING MESH
SSL 7.010
3 S.06
25 COVER
TOP OF BASE BEAM 6.97
STEEL COLUMN 203 UC 52
SAME AS OTHER SIDE
12 THK END PLATE WELDED TO BASE BEAM WITH 6mm FWAR + 4No M20 (8.8) BOLTS INTO COLUMN
BASE BEAM 254 UC 89 WRAPPED IN D49 MESH AND ENCASED IN CONCRETE
12 THK FITTED STIFFENERS EACH SIDE OF WEB + 6mm FW ALL ROUND
560

NOTES

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1 S01/02 BOX FRAME ELEVATION
SCALE 1:10

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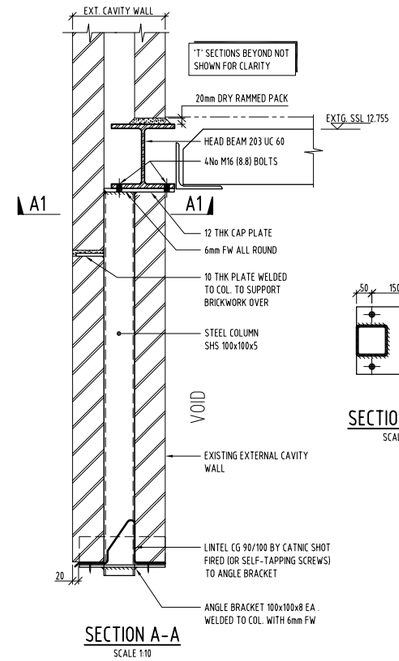
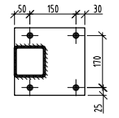


SECTION A-A
SCALE 1:10



SECTION A1-A1
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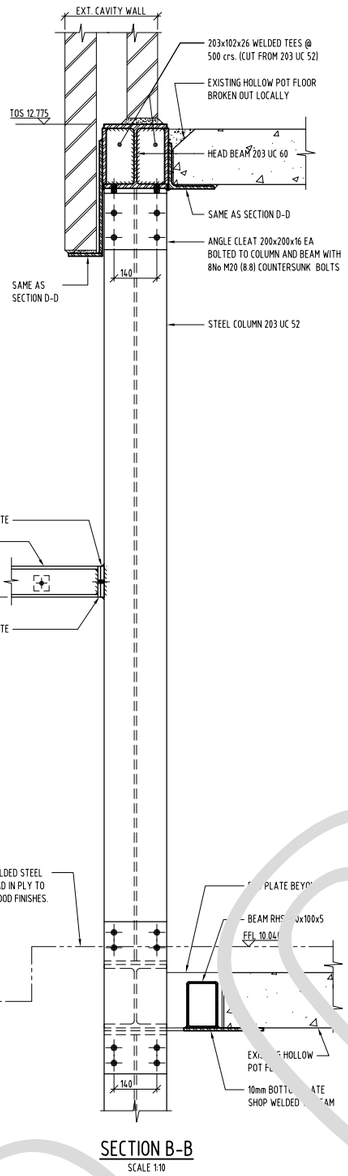
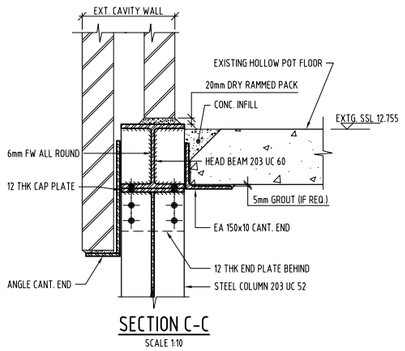
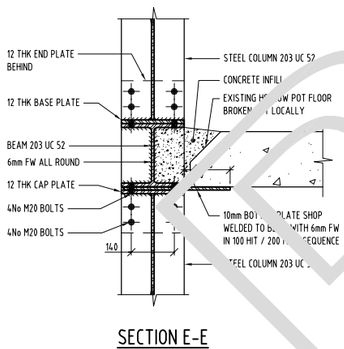




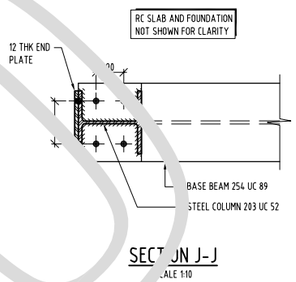
SECTION C-C
SCALE 1:10



SECTION E-E
SCALE 1:10

SECTION H-H
SCALE 1:10

SECTION B-B
SCALE 1:10



SECT...N J-J
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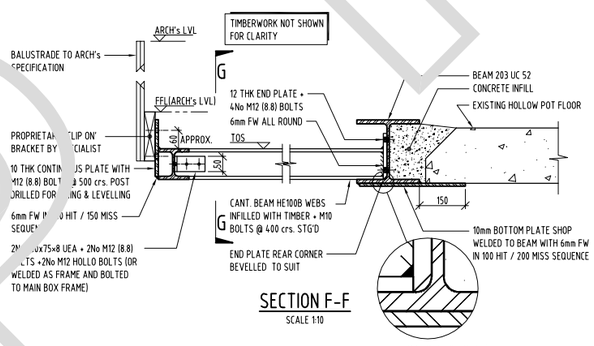

SECTION F-F
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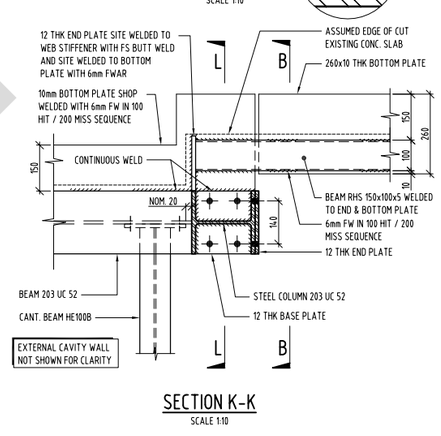

SECTION K-K
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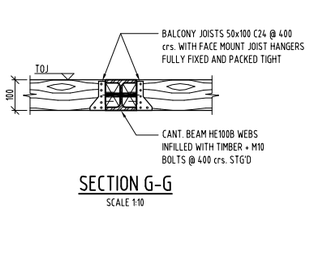

SECTION G-G
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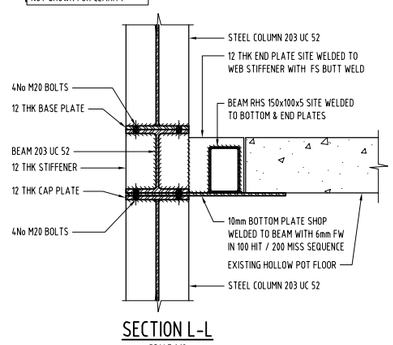

SECTION L-L
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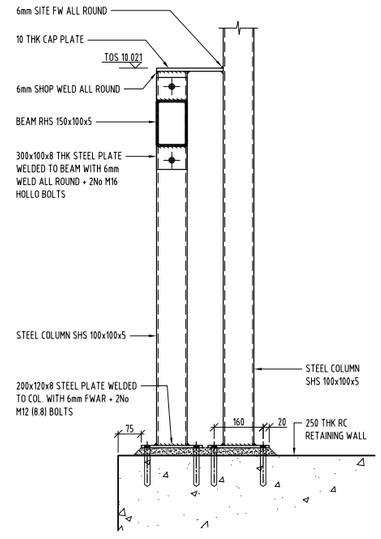

SECTION M-M
SCALE 1:10