6-16 ATCHISON STREET ST. LEONARDS

GENERAL NOTES

1. These drawings are for structural purposes only and are to be read in conjunction with the specification, architectural drawings, other contract documentation and the requirements of the relevant authorities.
2. Verify all setting out dimensions with the Architect.
3. Do not obtain dimensions by scaling the structural elements.
4. Should any ambiguity, error, omission, discrepancy, inconsistency or other fault exist or seem to exist in the contract documents, immediately notify in writing to the Superintendent.
5. Maintain the structure in a stable condition during construction. Temporary bracing/shoring shall be provided by the contractor to keep the structure and excavations stable at all times, ensuring that no part of the documented structure becomes overstressed. For all temporary batters obtain geotechnical engineers recommendations.
6. All workmanship and materials shall be in accordance with the requirements of current SAA codes and the bylaws, ordinances or other requirements of the relevant building authorities.
7. All work is to be carried out in accordance with all Workcover requirements and occupational health and safety act regulations
8. Construction using these drawings shall not commence until a Construction Certificate is issued by the Principal Certifying Authority.

DESIGN LOADS

Floor Loads :

Wind Loads : Vk = Where R =
Region =
Terrain Category =

Earthquake Loads : Design Category =
Site Sub-soil class =
Hazard Factor Z =
Probability Factor kp =

FOOTING NOTES

1. Footings have been designed for:
   Allowable Bearing Pressure –
   Allowable Side Shear –
2. Foundation material is to be inspected and approved by the geotechnical engineer before casting foundations.
3. Refer to geotechnical report No. ..... dated ..... by .....
4. Locate all pipes, retaining walls and excavation outside a 1:2 (vertical:horizontal) zone of influence from the bottom edge of the footing.
5. Where side shear is required to be developed, clean and roughen the sides of the excavation to the satisfaction of the geotechnical engineer.
6. Footings shall be located centrally under walls and columns unless noted otherwise.
7. Footings to be constructed and backfilled as soon as possible following excavation to avoid softening or drying out by exposure.
8. Contractor is to allow for cost of geotechnical inspections and any required certification.

UNDERPINNING NOTES

1. Excavation below footings shall not proceed until the existing footing levels have been inspected by the engineer.
2. Excavate and install the panels in the sequence noted on the elevations.Each stage is be approved by the Engineer.
3. All panels to be grouted and left for 2 days before excavation for the next stage is commenced.
4. Edges of panels are to be cleaned and roughened prior to casting adjacent panel.
5. Ground anchors are not to be stressed until a minimum of 3 days after casting panel.
6. Ground anchors in each stage are to be fully stressed and stressing records are to be approved before excavation for the next stage is commenced.

UNDERPINNING PROCEDURE

1. Excavate drives 1200 wide (max) for stage 1 panels. Form,reinforce and cast the panels.
2. Pack grout between existing footing and panel no sooner than 24 hours after casting panels.
3. Drill and install the Ground Anchors.
4. Proof load anchors to 1.33 times the specified working load – a minimum of 72 hours after casting panels.
5. Complete secondary grouting for corrosion protection.
6. When grout is a minimum of 72 hours old and steps 3 to 5 have been completed then repeat steps 1 to 5 for stage 2 panels.

RETAINING WALLS

1. Drainage shall be provided as shown on the drainage drawings.
2. Backfilling shall be carried out after grout or concrete has reached a minimum strength of 0.85 f'c. Backfilling shall be approved granular material compacted in layers not exceeding 200mm to 95% Standard compaction unless noted otherwise.
3. Provide waterproofing to back of walls as specified or noted.
4. Where retaining walls rely on connecting structural elements for stability, do not backfill against the wall unless it is adequately propped or the elements have been constructed and have sufficient strength to withstand the loads.
5. For all temporary batters obtain geotechnical engineers recommendations.

SHORING WALL NOTES

ANCHOR TYPE DESIGNATION

DESIGNATION	ANCHOR No
TEMPORARY	–
SEMI-PERMANENT	–
PERMANENT	–

GROUND ANCHORS

1. The design, supply, installation and tensioning of ground anchors shall be carried out in compliance with the relevant Australian Standards and the specification. Anchorage lengths and curing times shall be determined by the contractor and shall remain the contractor's responsibility.
2. Anchor holes should be thoroughly cleaned and the bond grout should be allowed to cure before proof stressing.
3. Grouting shall conform to the requirements of AS 3600 and The Concrete Institute "Recommended Practice For Grouting 1982"
4. For proof stressing loads refer to the Specification.
5. Records of all anchor extensions and test loadings are to be submitted to the Superintendent for review.
6. Modifications to the arrangement shown on the drawings will require recalculation of the required working loads and shall be notified to the Superintendent for approval.
7. Safe Working load shown is the force required after all losses of prestress, including draw in.
8. All anchors shall be located so as to avoid all services and pits etc.The contractor is to determine the location of all services etc prior to installation of anchors.
9. Any variation in location or inclination of anchors shall be submitted to Engineer for approval.
10. For ratio of ultimate load capacity of anchor to safe working load refer to the Specification.
11. For temporary and semi-permanent anchors the length of tendon protruding beyond wedge grip is not to be less than 600mm to enable monitoring.
12. For corrosion protection requirements refer to the Specification.
13. Do Not destress temporary or semi-permanent anchors until after all propping to floor slabs has been completed and Engineers approval has been obtained.
14. For temporary and semi-permanent anchors : After destressing anchors,remove anchor head and walers. Cut strands at the face of pile and grout fill ducts. Make good piles with an approved epoxy repair mortar. Note: This is a minimum requirement. Contractor is to refer to Council requirements if anchors are to be fully removed.

PNEUMATICALLY APPLIED CONCRETE

1. Concrete to shoring walls to be pneumatically applied in one continuous operation. Concrete to be proportioned to achieve a batch target strength of 32MPa.
2. The pneumatically applied concrete shall be cured by keeping continuously wet over a period of not less than 7 days after placement or by other means approved by the Superintendent.
3. Pneumatically applied concrete is to be placed by an experienced operator.

CONSTRUCTION SEQUENCE

1. Set out and drill holes for soldiers.
2. Install and plumb soldiers as detailed and backfill holes with 1:12 cement:sand mix.
3. Excavate locally and place top row of anchors as specified.
4. Place wedges on ground anchors to resist movement of wall.
5. Excavate down to horizontal C.J.
6. Place shotcrete wall as per the drawings.
7. Stress the ground anchors to Design Loads after concrete is 4 days old minimum.
8. Continue second stage as above.

CONCRETE NOTES

EXPOSURE CLASSIFICATION : External : B1
Internal : A2

CONCRETE

Place concrete of the following characteristic compressive strength f'c as defined in AS 1379.

Location	AS 1379 f'c MPa at 28 days	Specified Slump	Nominal Agg. Size
FOOTINGS	??	??	??

1. Use Type 'GP' cement, unless otherwise specified.
2. All concrete shall be subject to project assessment and testing to AS 1379.
3. Consolidate by mechanical vibration. Cure all concrete surfaces as directed in the Specification.
4. For all falls in slab, drip grooves, reglets, chamfers etc. refer to Architects drawings and specifications.
5. Unless shown on the drawings, the location of all construction joints shall be submitted to Engineer for review.
6. No holes or chases shall be made in the slab without the approval of the Engineer.
7. Conduits and pipes are to be fixed to the underside of the top reinforcement layer.
8. Slurry used to lubricate concrete pump lines is not to be used in any structural members.
9. All slabs cast on ground require sand blinding with a Concrete Underlay
10. ⟨170⟩ Indicates Slab or Band thickness variation.

FORMWORK

1. The design, certification, construction and performance of the formwork, falsework and backpropping shall be the responsibility of the contractor. Proposed method of installation and removal of formwork is to be submitted to the superintendent for comment prior to work being carried out.

SLAB ON GROUND NOTES

1. Refer to Geotechnical Report No. ..... dated ..... by .....
2. Strip all topsoil from the construction area. All stripped topsoil is to be removed from the site unless directed otherwise.
3. Before placing fill, proof roll exposed subgrade with 6 passes of a 10 tonne minimum roller to test subgrade and then remove soft spots (areas with more than 3mm movement under roller). Soft spots to be replaced with select fill as per table:

SIEVE APERTURE (mm) TO AS1152	PERCENTAGE PASSED (BY MASS)
75.0	100
9.5	100 to 50
2.36	100 to 30
0.6	50 to 15
0.075	<25

Plasticity index to be > or = 2% and < or = 15%
Non dispersive (a rating of nil as defined by the "dispersion" test AS1289.3.8.1)

4. Compact fill areas and subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.
5. All basecourse material to comply with RTA specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.2.1.
6. Place sand blinding prior to placement of Concrete underlay.

REINFORCEMENT LEGEND

1. Denotes the extent of area covered by bars.
2. Denotes a change in bar shape and/or length.
3. –B3– Indicates to repeat bars tagged thus (B3) etc. LAY BARS IN DIRECTION INDICATED BY ARROW.
4. Bars shown staggered on plan are to be placed alternately.
5. ALT. denotes bars of different length and/or shape to be laid alternately.
6. 13N16 / 10–250 / T+3 Indicates 10 bars at 250 centres plus 3 bars placed one per space centrally over column.

ABBREVIATIONS USED ON DRAWINGS :

U.N.O. – Unless Noted Otherwise
N.S.O.P. – Not Shown On Plan
N.S.O.E. – Not Shown On Elevation
L.V. – Bar Lengths Vary
N.T.S. – Not To Scale
E.W. – Each Way
E.F. – Each Face
N.F. – Near Face
F.F. – Far Face

REINFORCEMENT NOTES

1. Fix reinforcement as shown on drawings. The type and grade is indicated by a symbol as shown below. On the drawings this is followed by a numeral which indicates the size in millimetres of the reinforcement.

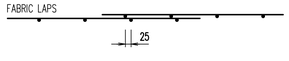
N.	Hot rolled ribbed bar	grade D500N
R.	Plain round bar	grade R250N
SL.	Square mesh	grade 500L
RL.	Rectangular mesh	grade 500L

2. Provide bar supports or spacers to give the following concrete cover to all reinforcement unless otherwise noted on drawings.

Footings – –– top, –– bottom, –– sides.
Slabs – –– top, –– bottom, ––
– –– when exposed to weather or ground.
Beams – –– bottom, –– sides, –– top to ties
Columns – –– to ties and spirals.
– –– when exposed to weather or ground.
Walls – –– generally.
– –– when cast in forms but later exposed to weather or ground.
– –– when cast directly in contact with ground.

3. Cover to reinforcement ends to be 50 mm u.n.o.
4. Provide N12–450 support bars to top reinforcement as required , Lap 450. U.N.O.
5. Maintain cover to all pipes, conduits, reglets, drip grooves etc
6. Laps in reinforcement shall be made only where shown on the drawings unless otherwise approved. Lap lengths shall be 40 bar dia. unless noted otherwise.
7. All cogs to be standard cogs unless noted otherwise.
8. Fabric end and side laps are to be placed strictly in accordance with the manufacturers requirements to achieve a full tensile lap. Fabric shall be laid so that there is a maximum of 3 layers at any location.

FABRIC LAPS



MASONRY NOTES

1. Temporary bracing shall be provided by the contractor to keep the structure stable at all times. Request wall bracing details from the Taylor Thomson Whitting site engineer if required.
2. Masonry to be in accordance with AS 3700
3. Masonry units shall comply with AS/NZS 4455 and as follows:

Type of masonry unit	Characteristic unconfined compressive strength (fuc)	Characteristic lateral modulus of rupture (fut)
Clay & Calcium silicate	15 MPa	0.8 MPa
Concrete (used in unreinforced non-loadbearing masonry)	4.5 MPa (hollow units) 3.0 MPa (solid or cored units)	0.8 MPa
Concrete (used in unreinforced loadbearing masonry and reinforced masonry)	15 MPa (hollow units) 10 MPa (solid or cored units)	0.8 MPa

4. All load bearing concrete masonry walls shall have all cores filled with grout UNO. Core filling grout shall be thoroughly compacted. Grout to be in accordance with AS3700 and as follows:

Location	f'cg MPa	Specified Slump	Maximum Agg. Size
Grout	20	230	10

5. Mortar shall consist of the following:
   M3 for general applications
   1 part Type GP cement: 5 parts sand plus water thickener
   M4 for elements in interior environments subject to saline wetting and drying; below a damp-proof course or in contact with ground in aggressive soils; in severe marine environments; in saline or contaminated water including tidal splash zones; and within 1km of an industry producing chemical pollutants.
   1 part Type GP cement: 4 parts sand plus water thickener
6. Provide vertical control joints in masonry over permanent floor joints and as per the architectural drawings.
7. Masonry walls shown on the structural plans are load-bearing UNO. Non-loadbearing walls shall be separated from the concrete structure above with 20mm compressible filler. Masonry walls supporting slabs shall have a layer of mortar troweled smooth on top. Provide M.E.T. slipjoint to separate floor slabs and masonry. Provide Hercules HERCUSLIP COMPOSITE to separate roof slabs and masonry.
8. Other than what is allowed in the specification no chasing or rebates may be made in masonry walls without written approval.
9. The contractor shall provide records that demonstrate all masonry bed joint reinforcement, masonry ties and masonry wall stiffeners have been installed in accordance with the drawings and specification.
10. All core filled blockwalls shall be constructed with "Double U" blocks
11. In reinforced blockwalls cleanout openings shall be provided at the bottom of each core containing vertical reinforcement. Reinforced cores shall be cleaned of mortar protrusions before grouting.
12. All reinforced block walls shall have all cores filled with grout UNO. Core filling grout to be in accordance with note 3.
13. Cover to reinforcement to be 50mm to face of block UNO.
14. Provide bed joint reinforcement as follows
    M.E.T. galvanized masonry reo where M3 mortar is used (supplied by DUNSTONE MAZE in NSW)
    Ancon CCL stainless steel where M4 mortar is used and locate as follows
    – in 2 bed joints below and above head and sill flashings to openings
    – in 2 bed joints below and above openings
    – in third bed joint above bottom of wall
    – in second bed joint below top of wall

POST–TENSIONED CONCRETE NOTES

GENERAL

1. Submit all test certificates, theoretical extensions, calculations and shop drawing to the Superintendent as required by the Specification prior to construction.
2. All reactions from post–tensioning shall be supplied to the formwork contractor for formwork design.
3. Stressing contractor is to pay particular attention to concrete compaction where ducts cross columns and at all tendon anchors and ensure that pump lines are adequately chaired and restrained so as to be kept separate from tendons and reinforcement.
4. Holes cored through post–tensioned slabs must be approved by the structural Engineer in writing.

DESIGN ASSUMPTIONS

The design assumptions used in the calculation of stressing losses were :

Friction curvature coefficient μ = 0.2
Wobble (rad. per m) β = 0.025
Draw–in at anchorage = 6 mm
Relaxation of stressed steel = 2.0 %
(after 1 000 hours at 0.70 fp)

TENDONS

1. Strand shall be 7 wire stress relieved super grade low relaxation in accordance with AS 4672.1 and AS 4672.2 unless denoted otherwise.
2. Bar shall be cold–worked high–tensile alloy steel bars in accordance with AS 4672.1 and AS 4672.2 and shall be super grade unless noted otherwise.
3. Locate and fix tendons as shown on the drawing & co–ordinate with cast in bolts, conduits & penetrations etc. Tendon profiles shall be parabolic unless noted otherwise and vertical offsets shall be measured from the deck (i.e. soffit of the concrete) to the underside of the duct, except for soffit of concrete to centreline of duct at anchorage unless noted otherwise.
   Offsets marked with a ⁎ shall be measured from the top of slab.

4. Tendon notation : 3/5s5
   No. of Tendons — No. of strands in each tendon
   Strand type: 5s = 12.7 dia strands, 6s = 15.2 dia strands
   On tendon layout :
   CENTRAL – denotes that tendon is placed flat at centre of slab
   NO DRAPE – denotes tendon is a straight line between ordinates
5. Ducting shall be galvanised steel:
   – 70 x 19 for 5 x 12.7dia strand tendons
   – 90 x 19 for 5 x 15.2dia strand tendons
6. Seal off all ducts and securely tape joints to prevent ingress of mortar during concreting.

TENSIONING AND GROUTING

1. Tendons shall be stressed to the following jacking forces unless noted otherwise
   12.7dia strand tendons – 156 kN (0.85 UTS) per strand.
   15.2dia strand tendons – 212 kN (0.85 UTS) per strand .
2. The first stage of stressing is for 25% of the jacking force to be applied between 18 and 36 hours after concrete placement (fcp = 7 MPa minimum) followed by the remainder of the jacking force at – fcp = 22 MPa unless noted otherwise below. Each individual strand or bar shall be tensioned during the first stage unless noted otherwise.
3. Records of net tendon elongation and other aspects of the tensioning operation required by the Specification shall be submitted to the Engineer and approved prior to cutting of tendons and grouting the ducts.
4. All tendons to be grouted in accordance with the specification.
5. Post–tensioning anchorage pockets shall be fully grouted with a polymer modified repair mortar. Minimum cover to any tendons or anchorage plate shall be as for the element in which they are located.
6. Concrete test cylinders used for assessing strength for tensioning are to be site cured in similar conditions to the concrete element being stressed.

ANCHORAGE RECESS GROUTING

NOT EXPOSED TO WEATHER (INTERNAL)

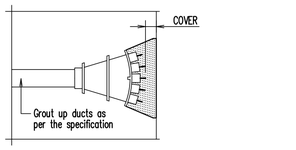
Exposure Class A1 as per AS3600

1. After final stressing and approval of extensions by TTW, cut off strands to give 30mm minimum cover to ends of strands.
2. Provide records of measured cover at each anchor recess for TTW to inspect and provide the opportunity for TTW to inspect recesses.
3. Thoroughly clean anchorage pocket (use high pressure water jet if necessary) to remove all laitance, polystyrene etc.
4. Prime all concrete surfaces with 'Nitobond EP' or approved equivalent.
5. Grout up recess with 3:1 Sand:Cement grout mix or 'Renderoc HB'. Infill is to be finished flush with surrounding concrete surface.
6. The contractor shall provide records that demonstrate steps 3,4 & 5 have been satisfactorily completed at each anchor recess.

EXPOSED TO WEATHER (EXTERNAL)

Exposure Class B1 – Near Coastal / Industrial
Exposure Class B2 – Within 1km of coast

1. After final stressing and approval of extensions by TTW, cut off strands to give 30mm minimum cover to ends of strands.
2. Provide records of measured cover at each anchor recess for TTW to inspect and provide the opportunity for TTW to inspect recesses.
3. Thoroughly clean anchorage recess (use high pressure water jet if necessary) to remove all laitance, polystyrene etc.
4. Prime all metal surfaces with 'Nitoprime Zincrich' or approved equivalent.
5. Prime all concrete surfaces with 'Nitobond EP' or approved equivalent.
6. Grout up recess with 'Renderoc HB40' – applied as per manufacturers instructions. Infill is to be finished flush with surrounding concrete surface to the Superintendents requirements. A test sample is to be submitted for approval and used for acceptance/rejection criteria.
7. The contractor shall provide records that demonstrate steps 3,4,5 & 6 have been satisfactorily completed at each anchor recess.



STRUCTURAL STEELWORK NOTES

1. Unless noted otherwise
   (a) Use 10mm thick gusset, fin & end plates welded all round.
   (b) All welds 6mm continuous fillet made with E48XX electrode or W50X
   (c) All bolts 20mm dia.
   (d) All bolts grade 8.8/s. (including purlin / girt bolts)
   (e) All holding down bolts are grade 4.6 U.N.O
   (f) All bolts, including holding down bolts are to be hot dip galvanized.
   (g) All fillet welds to be category GP.
   (h) Butt weld all flanges at end plates and at all mitre cuts. Gussets to end plates to be butt welded. All butt welds shall be full penetration, grade SP.
   (i) All connections to have a minimum of 2 bolts.
   (j) Studs fabricated to AS1554.2 All shear studs (composite slab to steel) grade 410 MPa. All threaded studs (steel to steel) grade 380 MPa.
   (k) Turnbuckles to be quality grade 'S' to AS2319
2. Bolting categories are identified on the drawings in the following manner.
   4.6/S Commercial bolts of grade 4.6 snug tightened.
   8.8/S high strength bolts of grade 8.8 snug tightened.
   8.8/TB high strength bolts of grade 8.8 fully tensioned to AS4100 as a bearing type joint
   8.8/TF high strength bolts of grade 8.8 fully tensioned to AS4100 as a friction type joint with faying surfaces left uncoated.
   Note: Grade 8.8 bolts are NOT to be welded
3. Chip all welds free of slag.
4. Contractor is to confirm with Architect as to where exposed welds are to be ground flush / smooth
5. Provide temporary bracing to maintain stability of steelwork during construction
6. Do not grout under base plates until first level steelwork is plumb and fixed by welding or bolting.
7. Submit all shop drawings to the Superintendent before commencing fabrication
8. Unless noted otherwise, the fixing of purlins, girts, bridging, sheeting and any other component shall be in accordance with the Manufacturer's specification and recommendations.
9. Bridging shall be designed and erected in accordance with the Manufacturer's requirements. Rod bridging is not acceptable unless approved in writing.
10. Sheeting / cladding is to be screw fixed to the purlins / girts to provide lateral restraint to the purlins/girts in accordance with the Manufacturer's requirements.
11. Provide double purlins at expansion joints in roof sheeting
12. For bridging members to purlins at curved roof areas provide bridging suitable for curved roofs to Manufacturer's details
13. Purlin / girt sizes shown are based on the current STRAMIT purlins and girts design data, including restraint from roof sheeting and bridging. The manufacturer should confirm any alternative systems used are equivalent or redesign the purlins / girts to provide an equivalent system.
14. Purlin / girt cleats are to be in accordance with the Manufacturers details. Where the distance between the bottom flange of the purlin and the rafter is greater than 100mm use 75 x 75 x 8 EA cleats.
15. Provide 75 x 75 x 4 galvanized angle trimmers to support roof sheeting edges at all hips,valleys and angled sheet edges. Fix to each purlin with one No. 14 Tek screw.

STEELWORK FINISHES

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A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P1	PRELIMINARY	RTG	CMT	05.04.11

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
COVER SHEET

Scale : A1 1:100 | Drawn M.W. | Authorised
Job No 091602 | Drawing No S0000 | Revision P1
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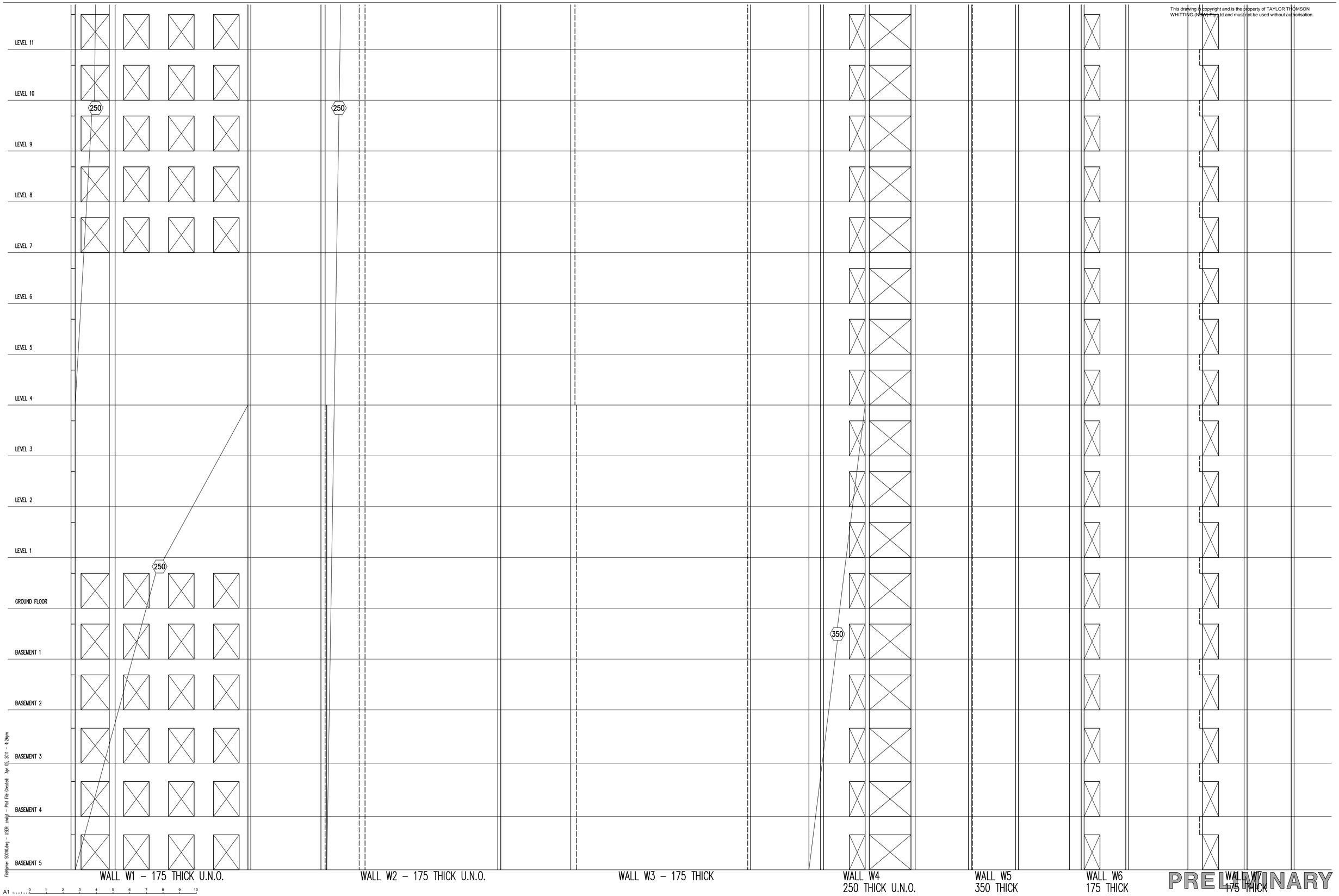

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Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
WALL ELEVATIONS

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1:100	M.W.	

Job No	Drawing No	Revision
091602	S0010	P2

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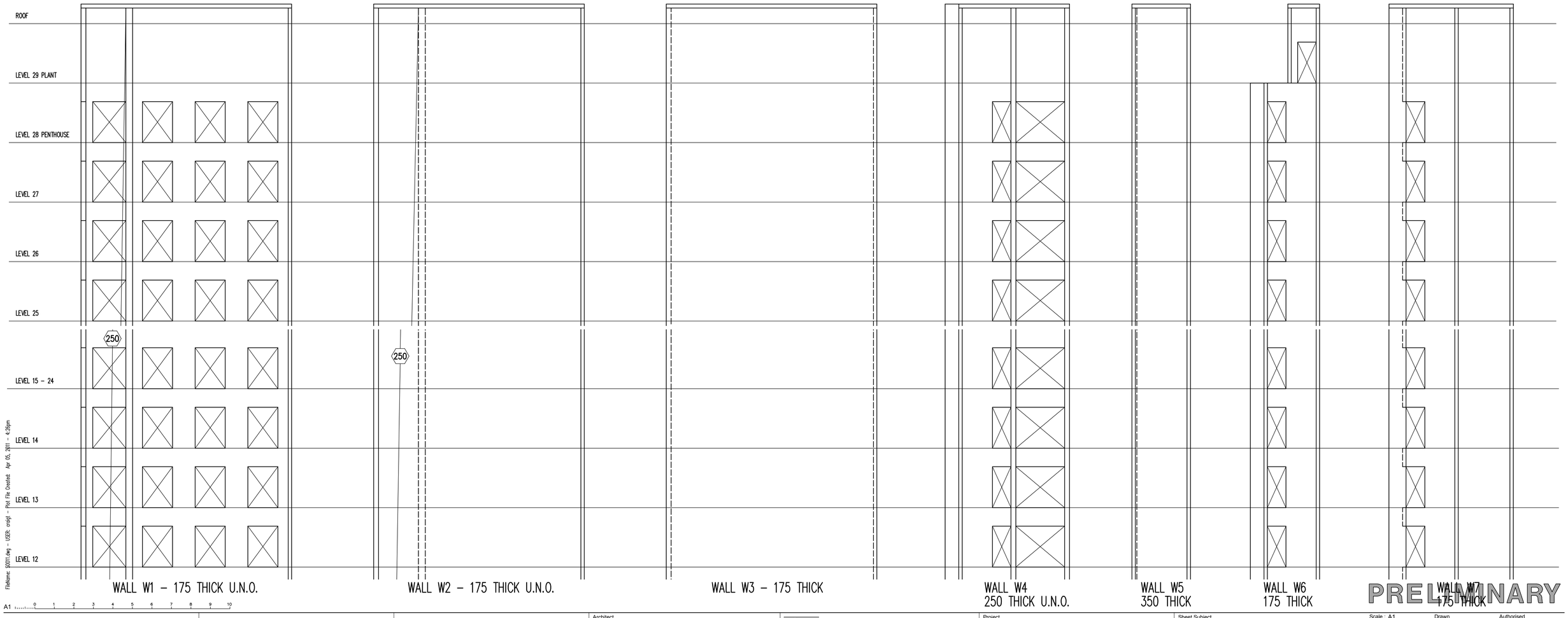

PRELIMINARY

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Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
WALL ELEVATIONS

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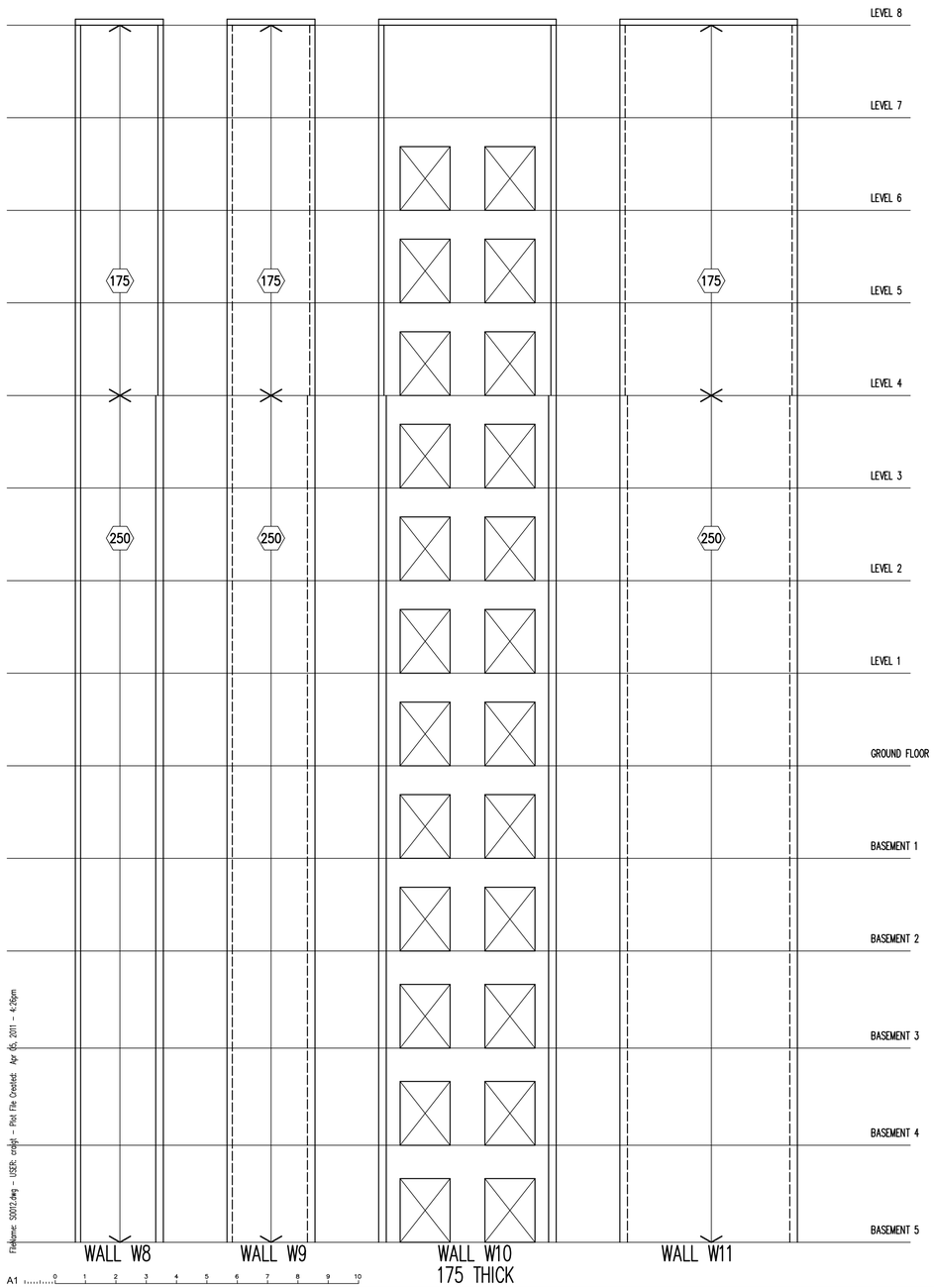
Drawn M.W.
Authorised

Job No 091602
Drawing No S0011
Revision P2

Plot File Created: Apr 05, 2011 - 4:26pm



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PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
WALL ELEVATIONS

Scale : A1
1:100

Drawn
M.W.

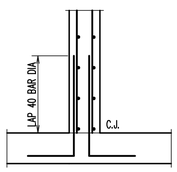
Authorised

Job No
091602

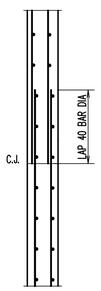
Drawing No
S0012

Revision
P2

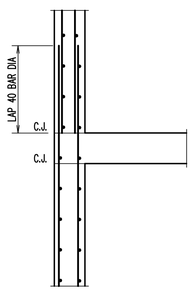
Plot File Created: Apr 05, 2011 - 4:26pm



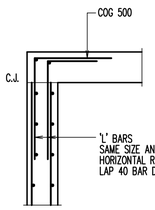
BUILT OFF SLAB



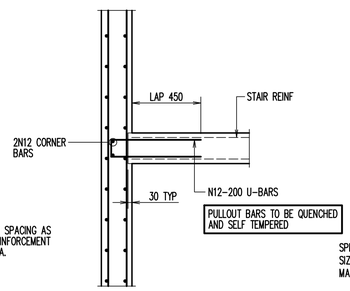
INTERMEDIATE SPLICE



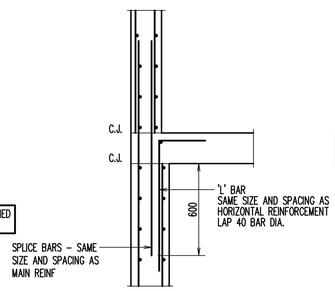
SPLICE AT FLOOR LEVEL



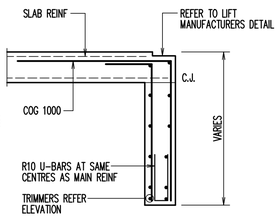
TOP OF WALL AT SLAB



WALL REBATE

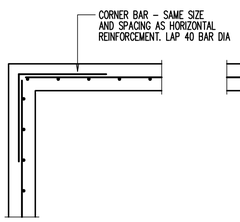


SPLICE DETAIL AT CHANGE OF THICKNESS

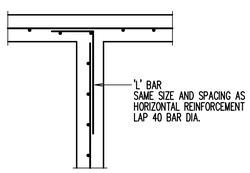


DOORHEAD

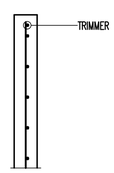
TYPICAL WALL DETAILS - DOUBLE LAYER



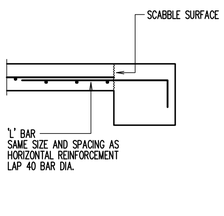
CORNER



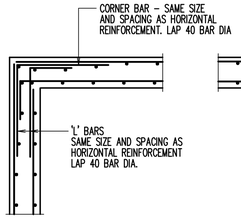
JUNCTION



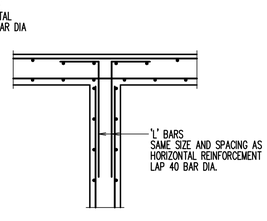
END OF WALL



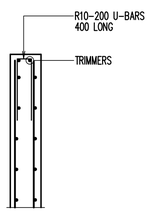
WALL TO COLUMN



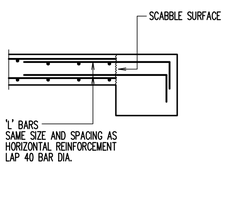
CORNER DETAIL



JUNCTION



END OF WALL



WALL TO COLUMN

TYPICAL WALL PLANS

FileName: S0013.dwg - USER: cindyk - Plot File Created: Apr 05, 2011 - 4:26pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P1	PRELIMINARY	RTG	CMT	05.04.11

Rev Description Eng Draft Date | Rev Description Eng Draft Date

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Taylor Thomson Whitting (NSW) Pty Ltd A.C.N. 113 578 377

Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
WALL DETAILS

Scale : A1
1:100

Drawn
M.W.

Authorised

Job No
091602

Drawing No
S0013

Revision
P1

Plot File Created: Apr 05, 2011 - 4:26pm

LEVEL 17	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	5		5	5	5	5	5										
	SIZE		600 DIA.	1500 x 250	1500 x 250	1500 x 250	600 DIA.		800 x 350	1500 x 250	1500 x 250	1500 x 250	750 DIA.	600 DIA.	600 x 400	600 DIA.		600 DIA.	600 DIA.	600 DIA.	600 DIA.	600 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 16	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	5		5	5	5	5	5										
	SIZE		600 DIA.	1500 x 250	1500 x 250	1500 x 250	600 DIA.		800 x 350	1500 x 250	1500 x 250	1500 x 250	750 DIA.	600 DIA.	600 x 400	600 DIA.		600 DIA.	600 DIA.	600 DIA.	600 DIA.	600 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 15	DETAIL NUMBER		5	4	4	4	5		2	4	4	4	5	4	2	4		4	4	4	4	4										
	SIZE		600 DIA.	1800 x 250	1800 x 250	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 14	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	1800 x 250	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 13	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	1800 x 250	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 12	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	1800 x 250	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 11	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	1800 x 250	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 10	DETAIL NUMBER		5	2	4	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	600 DIA.	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 9	DETAIL NUMBER		5	2	5	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	600 DIA.	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 8	DETAIL NUMBER		5	2	5	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	600 DIA.	1800 x 250	600 DIA.		800 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 7	DETAIL NUMBER		5	2	5	2	5		4	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	600 DIA.	1800 x 250	600 DIA.		1600 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 6	DETAIL NUMBER		5	2	5	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5										
	SIZE		600 DIA.	1800 x 250	600 DIA.	1800 x 250	600 DIA.		1600 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.										
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????		????	????	????	????	????										
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A										
LEVEL 5	DETAIL NUMBER		5	2	5	2	5		2	2	2	2	5	5	2	2		5	2	5	2	5		3	3	3	6	6	6	6	6	6
	SIZE		600 DIA.	1800 x 250	600 DIA.	1800 x 250	600 DIA.		1600 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400		750 DIA.	600 x 400	750 DIA.	600 x 400	750 DIA.		600 x 300	600 x 300	600 x 300	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.
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	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A		A	A	A	A	A		A	A	A	A	A	A	A	A	A
LEVEL 4	DETAIL NUMBER		4	2	4	2	4		2	2	2	2	5	5	2	2	6	5	4	5	4	5	6	2	2	2	5	5	5	5	5	5
	SIZE		750 DIA.	1800 x 250	750 DIA.	1800 x 250	750 DIA.		1600 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	750 DIA.	600 x 400	600 x 400	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	600 x 300	600 x 300	600 x 300	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????
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LEVEL 3	DETAIL NUMBER		5	2	5	2	5		2	2	2	2	5	4	4	4	5	5	5	5	5	5	5	2	2	2	5	5	5	5	5	5
	SIZE		750 DIA.	1800 x 250	750 DIA.	1800 x 250	750 DIA.		1600 x 350	2000 x 250	2000 x 250	2000 x 250	750 DIA.	2100 x 600	2950 x 600	2550 x 600	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	600 x 300	600 x 300	600 x 300	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
LEVEL 2	DETAIL NUMBER		4	4	4	4	5		4	4	4	4	5	4	4	4	5	5	5	5	5	1	5	2	2	2	5	5	5	5	5	5
	SIZE		900 x 500	900 x 500	900 x 500	750 DIA.	750 DIA.		900 x 500	900 x 500	900 x 500	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	600 x 300	600 x 300	600 x 300	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
LEVEL 1	DETAIL NUMBER		2	2	2	5	5		2	2	2	5	5	5	5	5	5	5	5	5	5	5	5	2	2	2	5	5	5	5	5	5
	SIZE		900 x 500	900 x 500	900 x 500	750 DIA.	750 DIA.		900 x 500	900 x 500	900 x 500	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	600 x 300	600 x 300	600 x 300	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.	750 DIA.
	VERTICAL REINF.		????	????	????	????	????		????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????
	TIES and TYPE		A	A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
GROUND	DETAIL NUMBER	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	7	7	7	7	7	7	7	7
	SIZE	400 x 400	1000 x 500	1000 x 500	1000 x 500	1000 x 500	1000 x 500	400 x 400	1100 x 500	1100 x 500	1100 x 500	1100 x 500	1100 x 500	900 x 500	900 x 500	900 x 500	3200 x 400	900 x 500	900 x 500	900 x 500	900 x 500	900 x 500	3200 x 400									
	VERTICAL REINF.	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????									
	TIES and TYPE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A									
BASEMENT MEZZANINE	DETAIL NUMBER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
	SIZE	400 x 400	1000 x 500	1000 x 500	1000 x 500	1000 x 500	1000 x 500	400 x 400	1100 x 500	1100 x 500	1100 x 500	1100 x 500	1100 x 500	900 x 500	900 x 500	900 x 500	3200 x 400	900 x 500	900 x 500	900 x 500	900 x 500	900 x 500	3200 x 400									
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BASEMENT 1	DETAIL NUMBER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4									
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	VERTICAL REINF.	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????									
	TIES and TYPE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A									
BASEMENT 2	DETAIL NUMBER	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
	SIZE	400 x 400	1000 x 500	1000 x 500	1000 x 500	1000 x 500	1000 x 500	400 x 400	1100 x 500	1100 x 500	1100 x 500	1100 x 500	1100 x 500	900 x 500	900 x 500	900 x 500	400 x 400	900 x 500	900 x 500	900 x 500	900 x 500	900 x 500	400 x 400									
	VERTICAL REINF.	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????									
	TIES and TYPE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A									
BASEMENT 3	DETAIL NUMBER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
	SIZE	400 x 400	1000 x 500	1000 x 500	1000 x 500	1000 x 500	1000 x 500	400 x 400	1100 x 500	1100 x 500	1100 x 500	1100 x 500	1100 x 500	900 x 500	900 x 500	900 x 500	400 x 400	900 x 500	900 x 500	900 x 500	900 x 500	900 x 500	400 x 400									
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BASEMENT 4		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
	SIZE	400 x 400	1000 x 500	1000 x 500	1000 x 500	1000 x 500	1000 x 500	400 x 400	1100 x 500	1100 x 500	1100 x 500	1100 x 500	1100 x 500	900 x 500	900 x 500	900 x 500	400 x 400	900 x 500	900 x 500	900 x 500	900 x 500	900 x 500	400 x 400									
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BASEMENT 5		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
	SIZE	400 x 400	1000 x 500	1000 x 500	1000 x 500	1000 x 500	1000 x 500	400 x 400	1100 x 500	1100 x 500	1100 x 500	1100 x 500	1100 x 500	900 x 500	900 x 500	900 x 500	400 x 400	900 x 500	900 x 500	900 x 500	900 x 500	900 x 500	400 x 400									
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F'c	STARTER BARS	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????	????
	COLUMN LOADS (KN) (WORKING)	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???	???
COLUMN MARK		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31

FileName: S0020.dwg - USER: craigt - Plot File Created: Apr 05, 2011 - 4:26pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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Project
6-16 ATCHINSON STREET, ST. LEONARDS

Sheet Subject
COLUMN SCHEDULE

Scale : A1 1:100
Drawn M.W.
Authorised

Job No 091602
Drawing No S0020
Revision P2

Plot File Created: Apr 05, 2011 - 4:26pm

COLUMN SCHEDULE

ROOF	DETAIL NUMBER		6	6	6	3	6		3	3	3	3	3	6	6	6		6	6	3	3	6													
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LEVEL 29	DETAIL NUMBER		5	5	5	2	5		2	2	2	2	2	5	5	5		5	5	2	2	5													
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LEVEL 20	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	5		5	5	5	5	5													
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LEVEL 18	DETAIL NUMBER		5	2	2	2	5		2	2	2	2	5	5	2	5		5	5	5	5	5													
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FileName: S0021.dwg - USER: mhjt - Plot File Created: Apr 05, 2011 - 4:27pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

Rev Description Eng Draft Date

Rev Description Eng Draft Date

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
COLUMN SCHEDULE

PRELIMINARY

Scale : A1
1:100

Drawn
M.W.

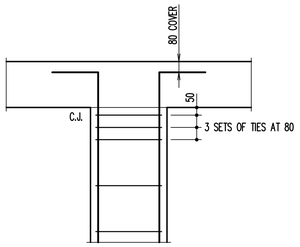
Authorised

Job No
091602

Drawing No
S0021

Revision
P2

Plot File Created: Apr 05, 2011 - 4:27pm



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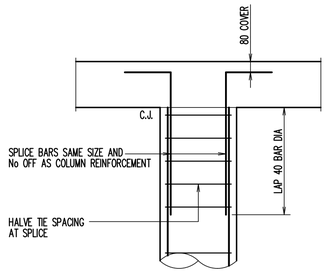

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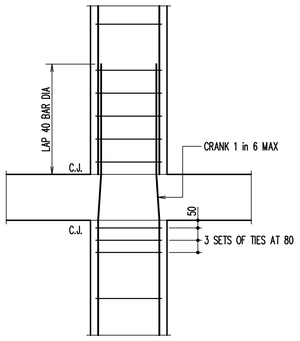

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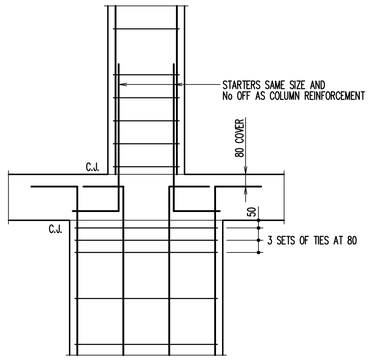

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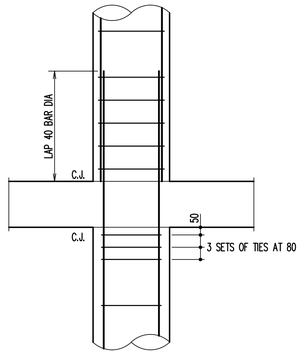

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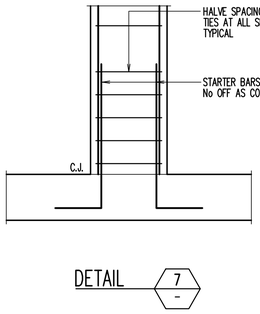
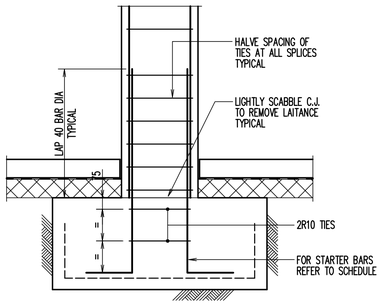


DETAIL 7



FOR PAD SIZE AND REINFORCEMENT REFER TO FOOTING DETAILS

DETAIL 1

FileName: S0022.dwg - USER: cnipt - Plot File Created: Apr 05, 2011 - 4:27pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR COSTING	RTG	CMT	05.04.11

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Project
6-16 ATCHINSON STREET, ST. LEONARDS

Sheet Subject
COLUMN DETAILS

Scale : A1
1:100

Drawn
M.W.

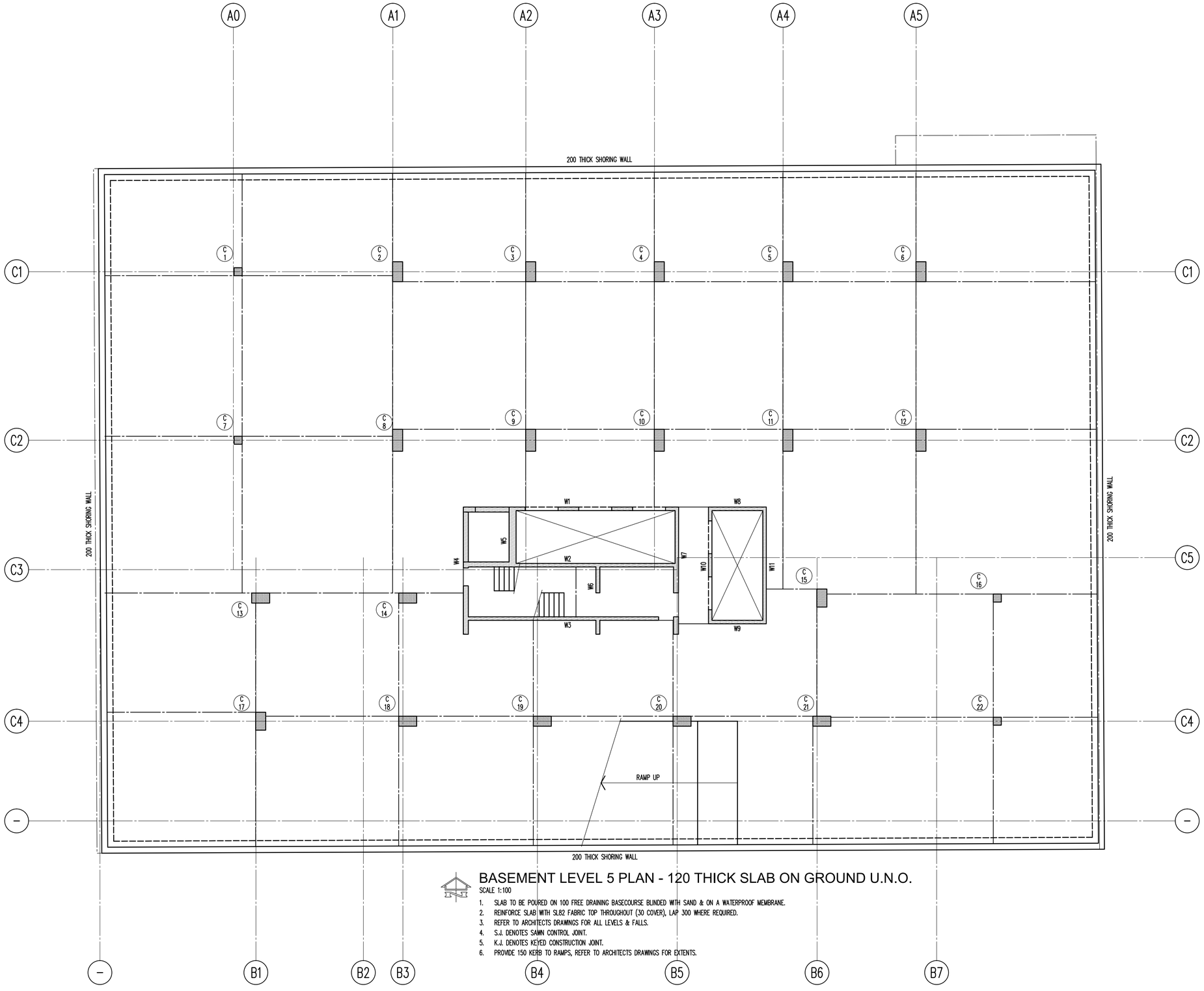
Authorised

Job No
091602

Drawing No
S0022

Revision
P1

Plot File Created: Apr 05, 2011 - 4:27pm



BASEMENT LEVEL 5 PLAN - 120 THICK SLAB ON GROUND U.N.O.

SCALE 1:100

1. SLAB TO BE POURED ON 100 FREE DRAINING BASECOURSE BLINDED WITH SAND & ON A WATERPROOF MEMBRANE.
2. REINFORCE SLAB WITH SL82 FABRIC TOP THROUGHOUT (30 COVER), LAP 300 WHERE REQUIRED.
3. REFER TO ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.
4. S.J. DENOTES SAWN CONTROL JOINT.
5. K.J. DENOTES KEYED CONSTRUCTION JOINT.
6. PROVIDE 150 KERB TO RAMPS, REFER TO ARCHITECTS DRAWINGS FOR EXTENTS.

FileName: S0100.dwg - USER: craigt - Plot File Created: Apr 05, 2011 - 4:27pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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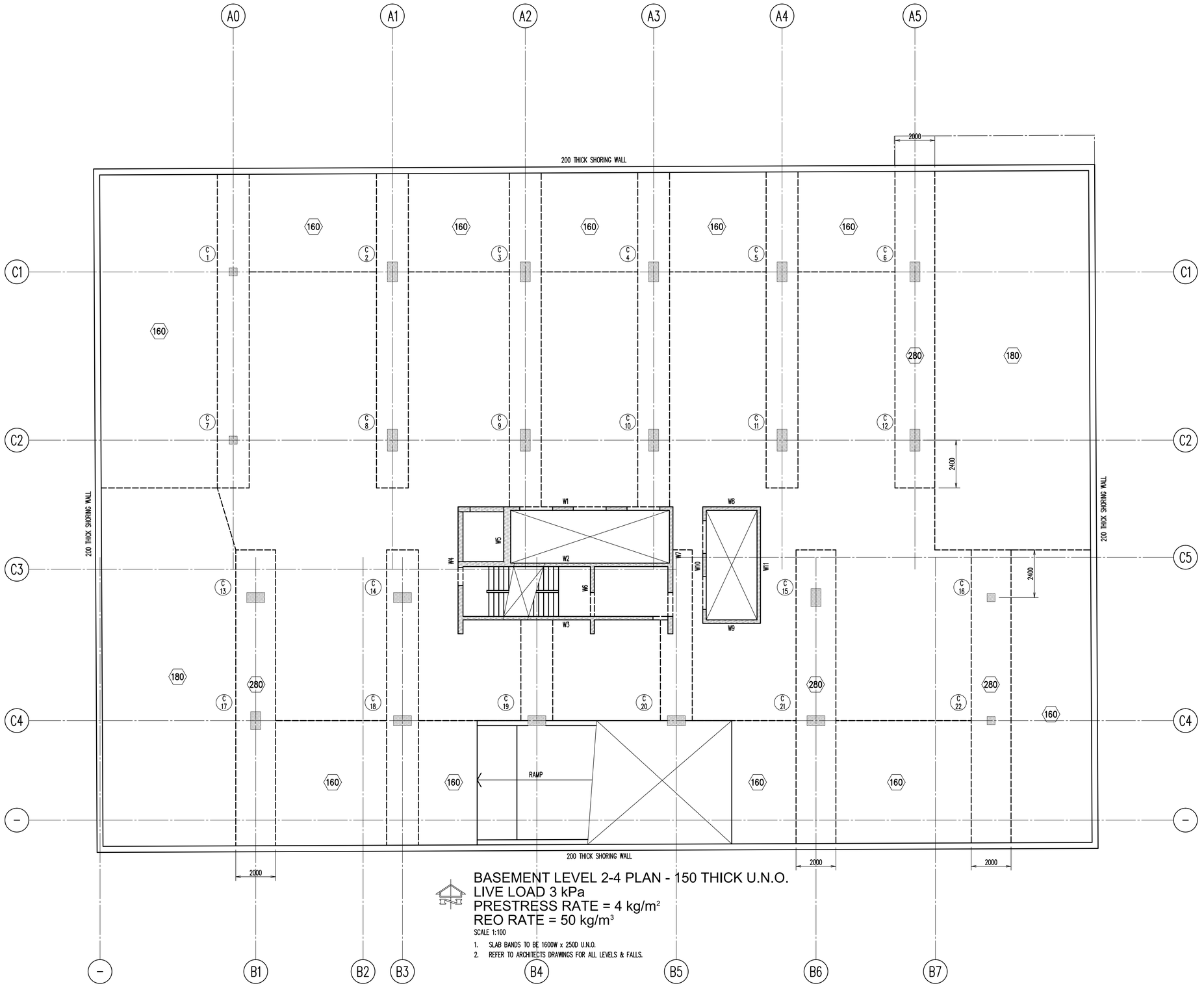
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
BASEMENT 5 PLAN

Scale : A1 1:100
Drawn M.W.
Authorised
Job No 091602
Drawing No S0100
Revision P2
Plot File Created: Apr 05, 2011 - 4:27pm



BASEMENT LEVEL 2-4 PLAN - 150 THICK U.N.O.
LIVE LOAD 3 kPa
PRESTRESS RATE = 4 kg/m²
REO RATE = 50 kg/m³

SCALE 1:100

1. SLAB BANDS TO BE 1600W x 250D U.N.O.
2. REFER TO ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0150.dwg – USER: craigt – Plot File Created: Apr 05, 2011 - 4:27pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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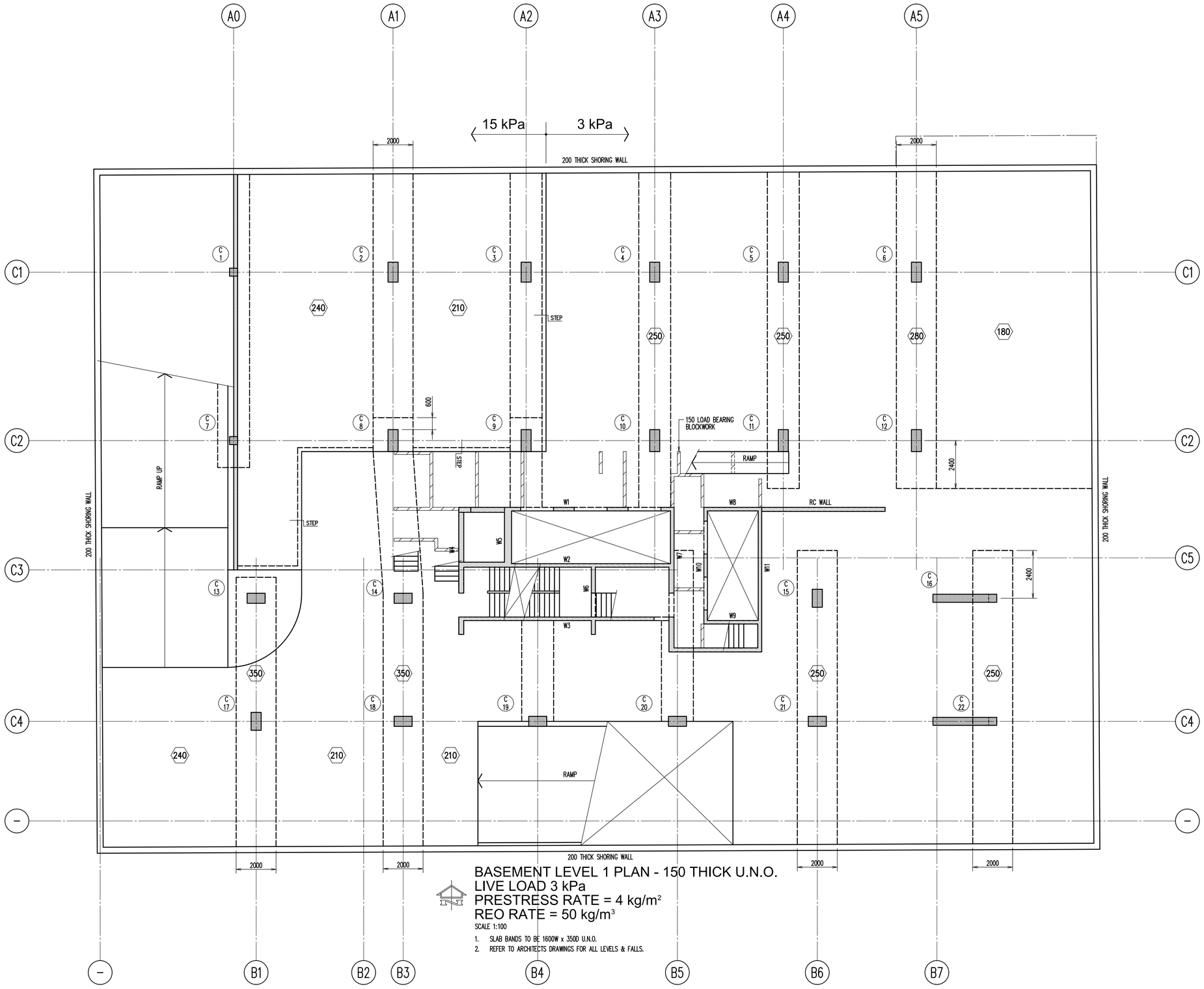
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
BASEMENT 2-4 PLAN

Scale : A1 1:100
Drawn M.W.
Authorised

Job No 091602
Drawing No S0150
Revision P2

Plot File Created: Apr 05, 2011 - 4:27pm



BASEMENT LEVEL 1 PLAN - 150 THICK U.N.O.

LIVE LOAD 3 kPa
PRESTRESS RATE = 4 kg/m²
REO RATE = 50 kg/m³

SCALE 1:100

1. SLAB BANDS TO BE 1600W x 350D U.N.O.
2. REFER TO ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0200.dwg – USER: craig – Plot File Created: Apr 05, 2011 – 4:27pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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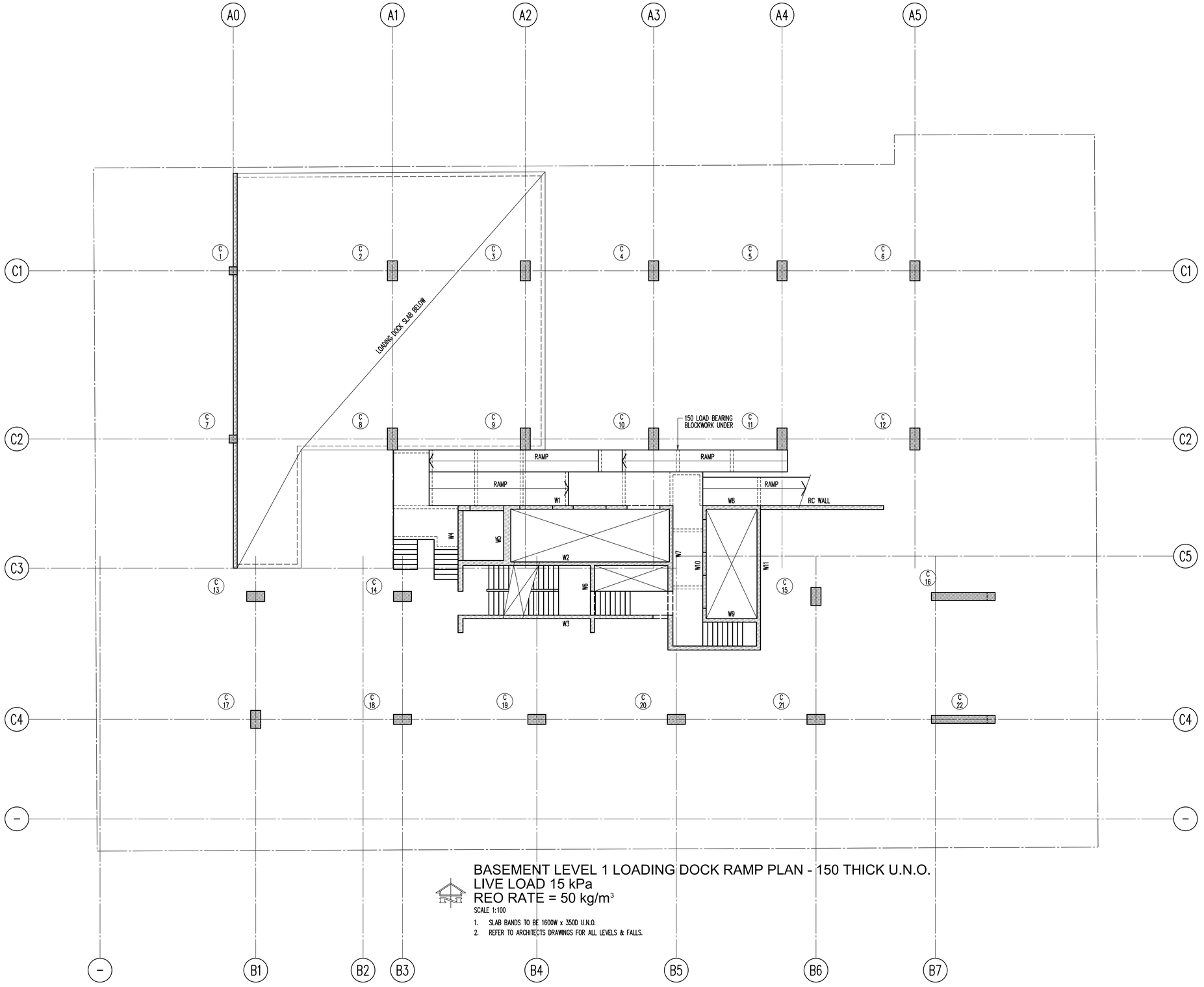
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
BASEMENT 1 PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0200	P2

Plot File Created: Apr 05, 2011 - 4:27pm



BASEMENT LEVEL 1 LOADING DOCK RAMP PLAN - 150 THICK U.N.O.
LIVE LOAD 15 kPa
REO RATE = 50 kg/m^3

SCALE 1:100

1. SLAB BANDS TO BE 1600W x 350D U.N.O.
2. REFER TO ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0201.dwg – USER: cmgt – Plot File Created: Apr 05, 2011 - 4:27pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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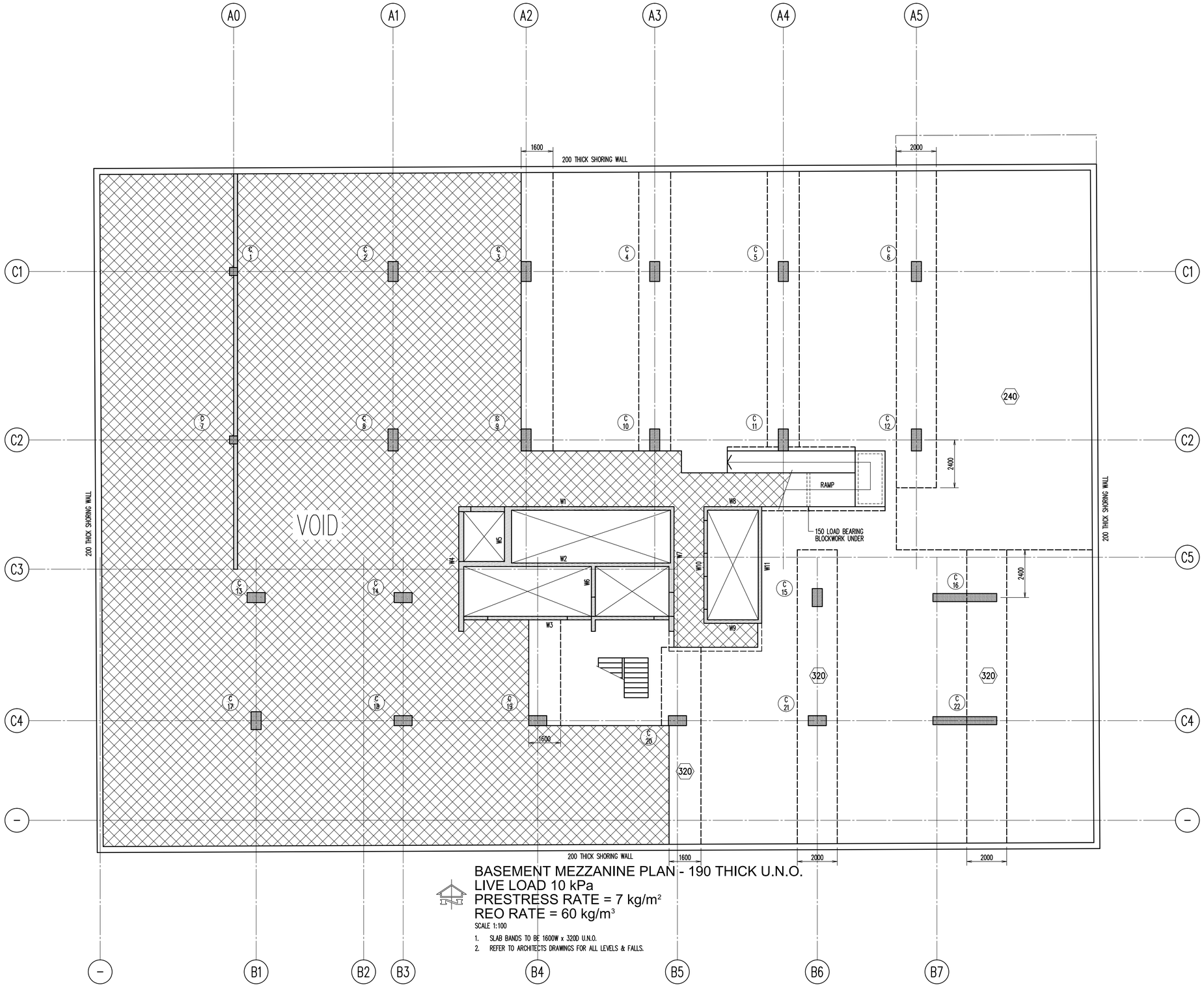
Project
6-16 ATCHINSON STREET, ST. LEONARDS

Sheet Subject
BASEMENT 1 LOADING DOCK PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0201	P2

Plot File Created: Apr 05, 2011 - 4:27pm



BASEMENT MEZZANINE PLAN - 190 THICK U.N.O.
LIVE LOAD 10 kPa
PRESTRESS RATE = 7 kg/m²
REO RATE = 60 kg/m³

SCALE 1:100

1. SLAB BANDS TO BE 1600W x 320D U.N.O.
2. REFER TO ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

PRELIMINARY

FileName: S0250.dwg - USER: cmq1 - Plot File Created: Apr 05, 2011 - 4:27pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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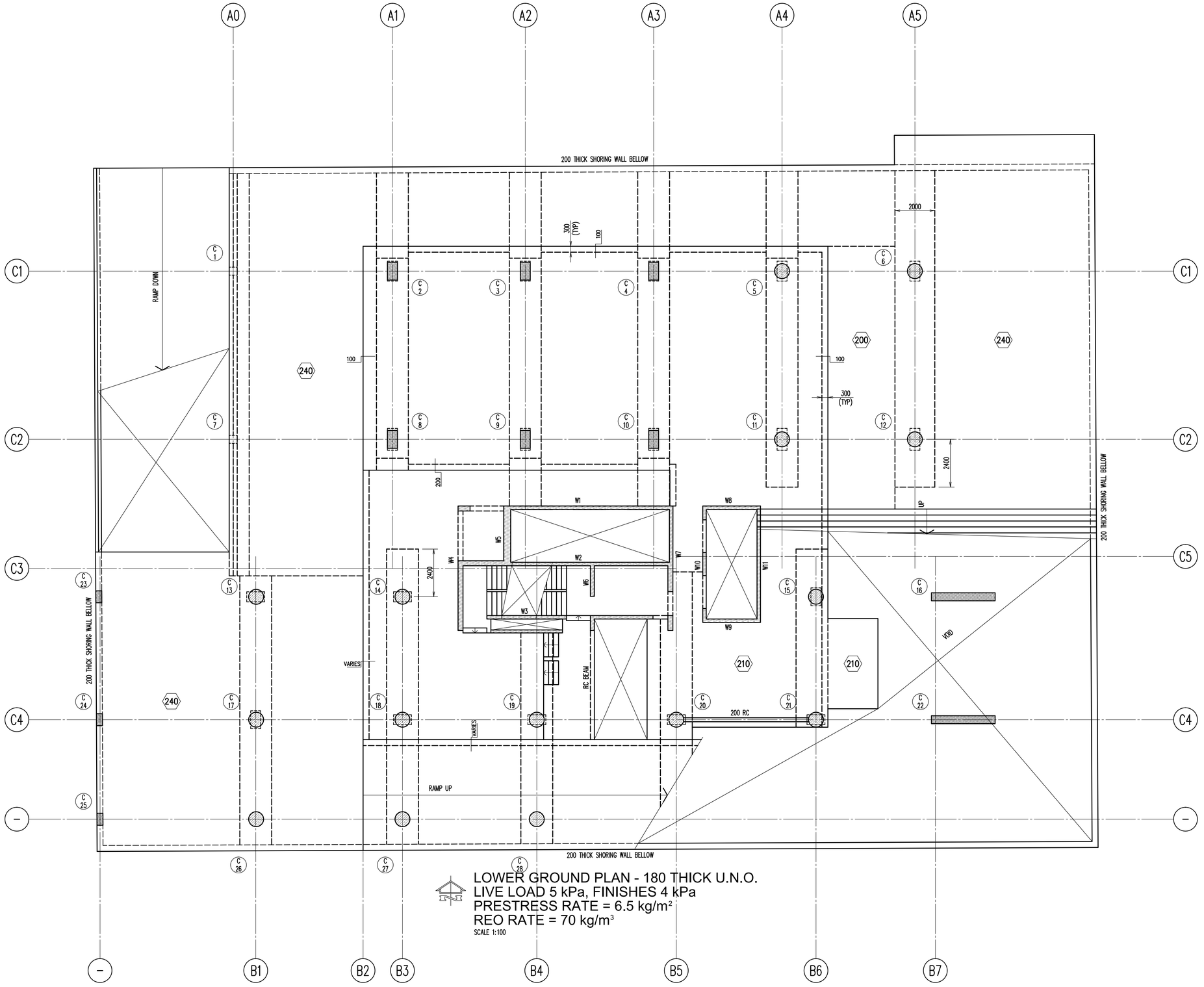
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
BASEMENT MEZZANINE PLAN

Scale : A1 1:100
Drawn M.W.
Authorised
Job No 091602
Drawing No S0250
Revision P2
Plot File Created: Apr 05, 2011 - 4:27pm



LOWER GROUND PLAN - 180 THICK U.N.O.
LIVE LOAD 5 kPa, FINISHES 4 kPa
PRESTRESS RATE = 6.5 kg/m²
REO RATE = 70 kg/m³
SCALE 1:100

FileName: S0300.dwg - USER: cralyt - Plot File Created: Apr 05, 2011 - 4:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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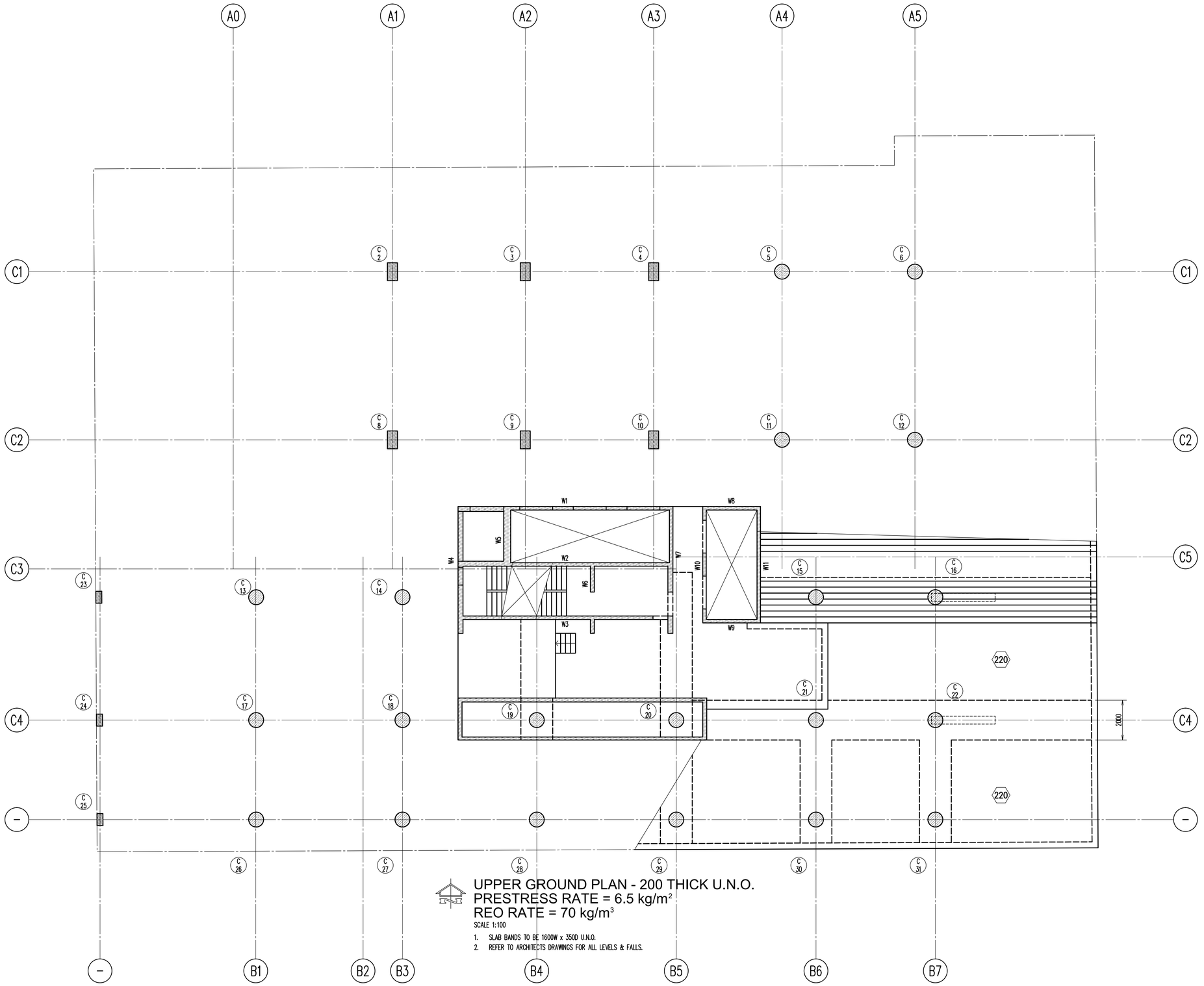
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
LOWER GROUND LEVEL PLAN

Scale : A1 1:100
Drawn M.W.
Authorised
Job No 091602
Drawing No S0300
Revision P2
Plot File Created: Apr 05, 2011 - 4:28pm



UPPER GROUND PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 6.5 kg/m²
REO RATE = 70 kg/m³

SCALE 1:100

1. SLAB BANDS TO BE 1600W x 350D U.N.O.
2. REFER TO ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0350.dwg - USER: cmjd - Plot File Created: Apr 05, 2011 - 4:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
UPPER GROUND LEVEL PLAN

Scale : A1
1:100

Drawn
M.W.

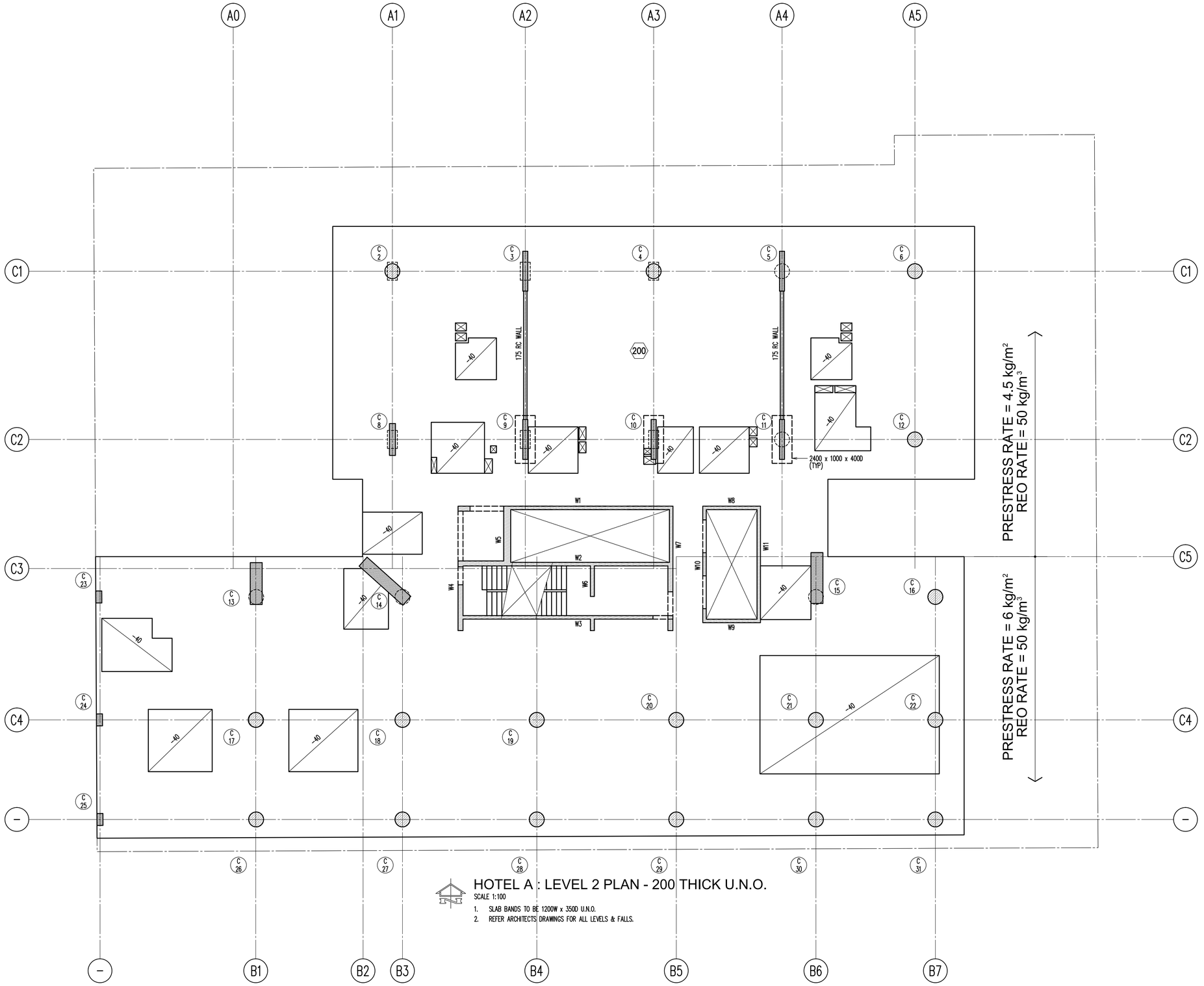
Authorised

Job No
091602

Drawing No
S0350

Revision
P2

Plot File Created: Apr 05, 2011 - 4:28pm



HOTEL A : LEVEL 2 PLAN - 200 THICK U.N.O.

SCALE 1:100

1. SLAB BANDS TO BE 1200W x 350D U.N.O.
2. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0400.dwg – USER: craigt – Plot File Created: Apr 05, 2011 - 4:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
HOTEL A
LEVEL 2 PLAN

Scale : A1 1:100
Drawn M.W.
Authorised
Job No 091602
Drawing No S0400
Revision P2
Plot File Created: Apr 05, 2011 - 4:28pm

HOTEL B : LEVEL 3 PLAN - 200 THICK U.N.O.

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0450.dwg - USER: cmjd - Plot File Created: Apr 05, 2011 - 4:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTC	CMT	05.04.11
P1	ISSUED FOR COSTING	RTC	CMT	25.05.10

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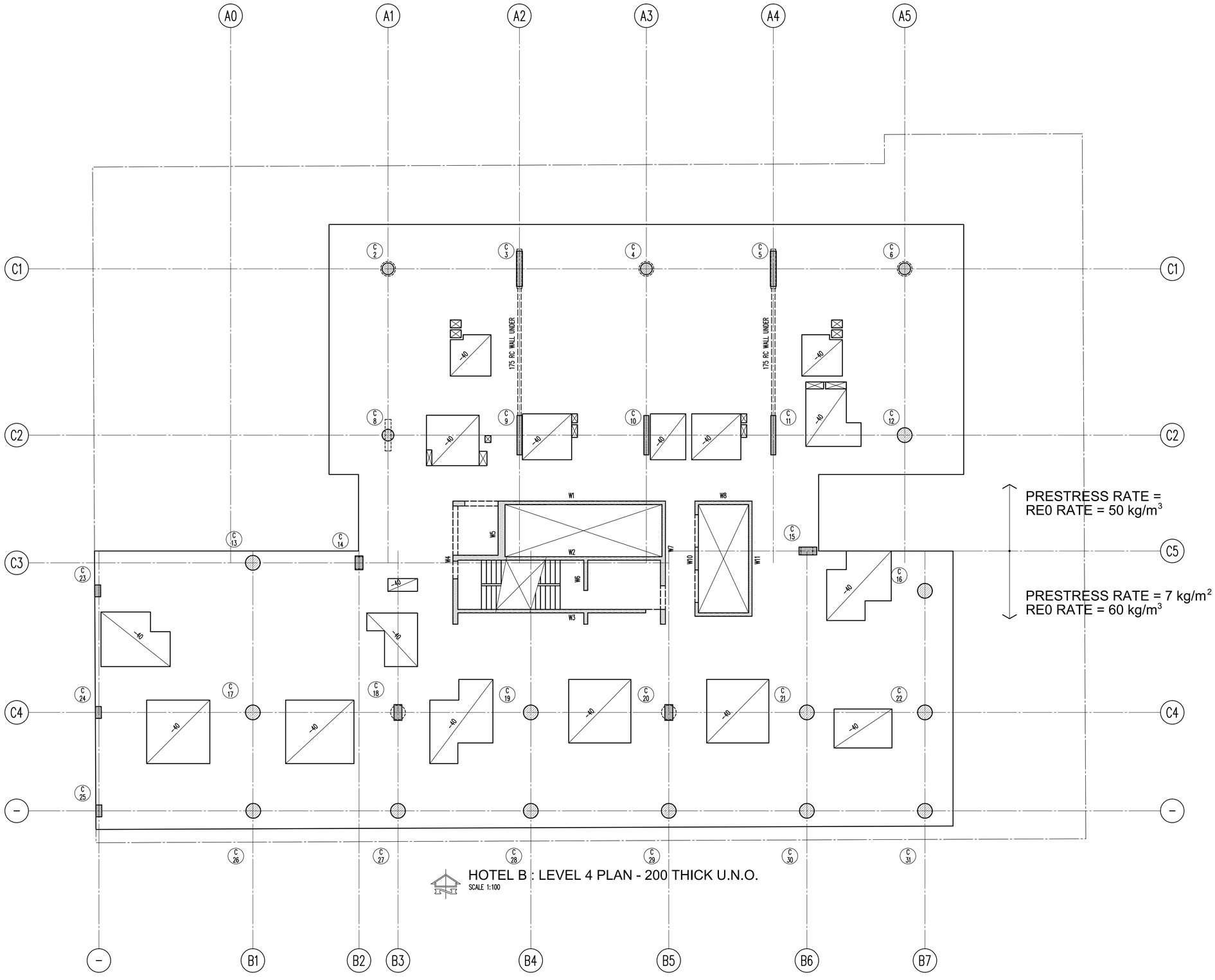
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
HOTEL B
LEVEL 3 PLAN

Scale : A1 1:100 | Drawn M.W. | Authorised
Job No 091602 | Drawing No S0450 | Revision P2
Plot File Created: Apr 05, 2011 - 4:28pm



HOTEL B : LEVEL 4 PLAN - 200 THICK U.N.O.
SCALE 1:100

FileName: S0500.dwg – USER: cralyt – Plot File Created: Apr 05, 2011 – 4:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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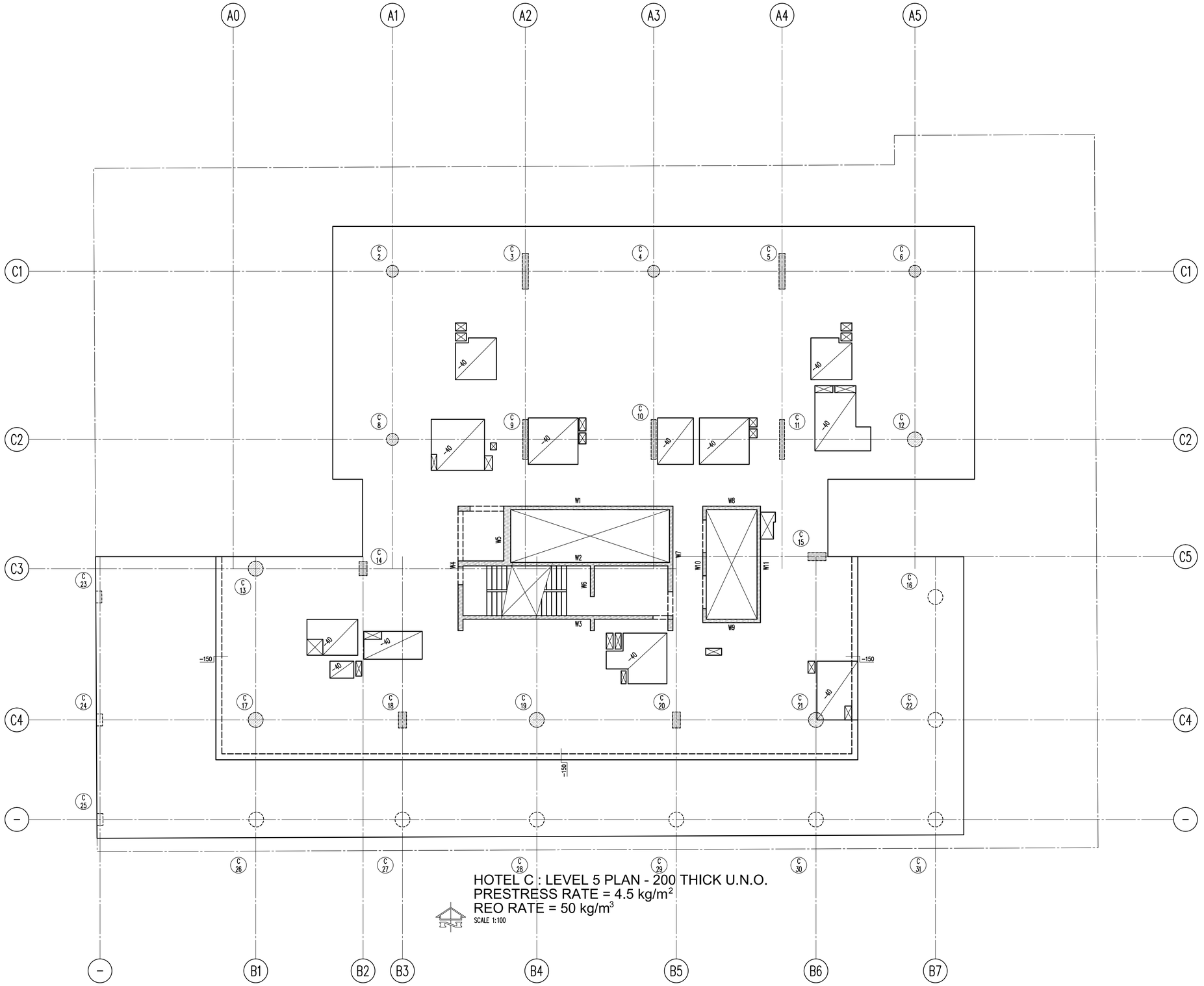
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
HOTEL B
LEVEL 4 PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0500	P2

Plot File Created: Apr 05, 2011 - 4:28pm



HOTEL C : LEVEL 5 PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5 kg/m^2
REO RATE = 50 kg/m^3
SCALE 1:100

FileName: S0550.dwg - USER: cmjt - Plot File Created: Apr 05, 2011 - 4:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

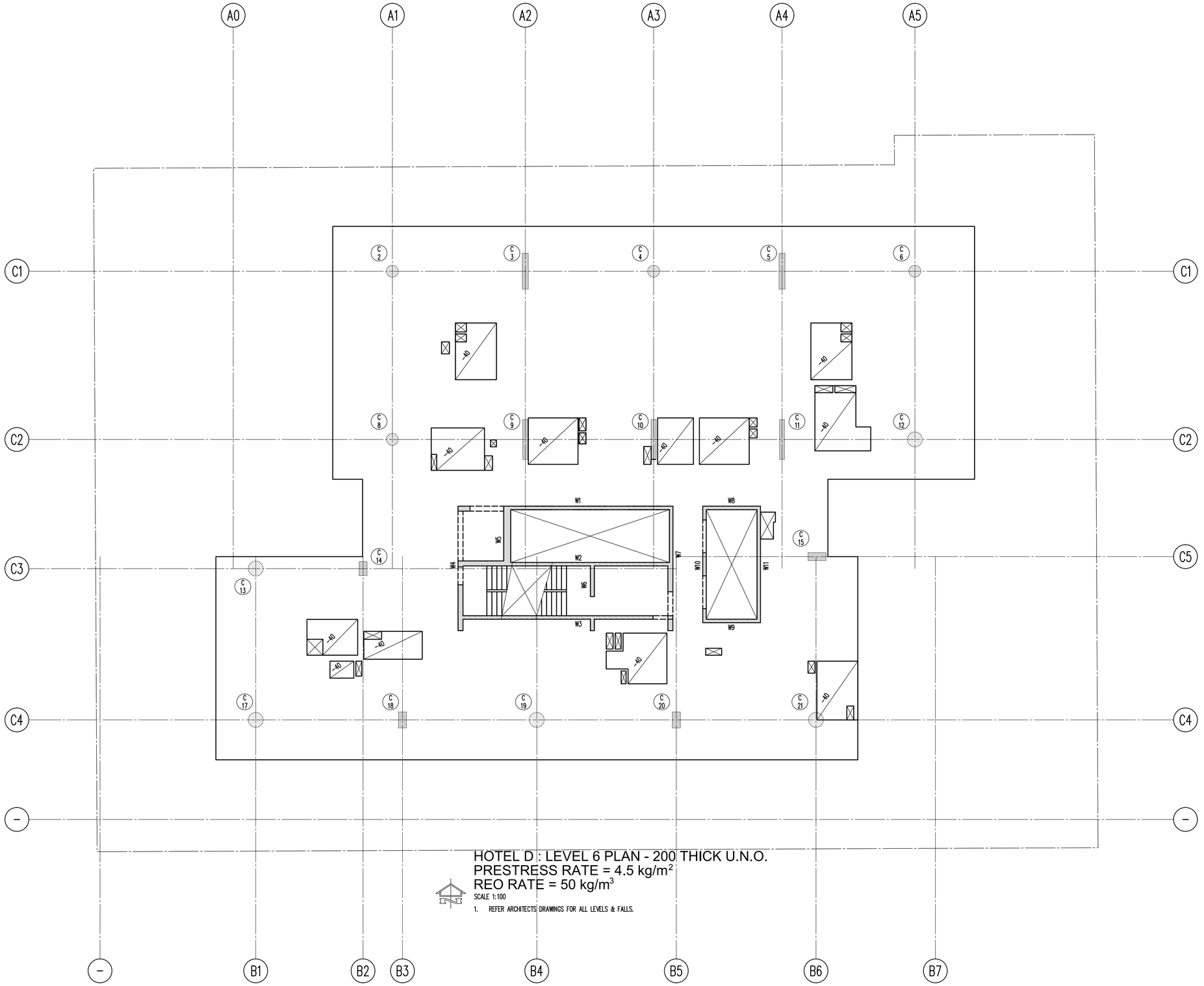
Sheet Subject
HOTEL C
LEVEL 5 PLAN

PRELIMINARY

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0550	P2

Plot File Created: Apr 05, 2011 - 4:28pm



HOTEL D : LEVEL 6 PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5 kg/m^2
REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0600.dwg – USER: cmjd – Plot File Created: Apr 05, 2011 – 4:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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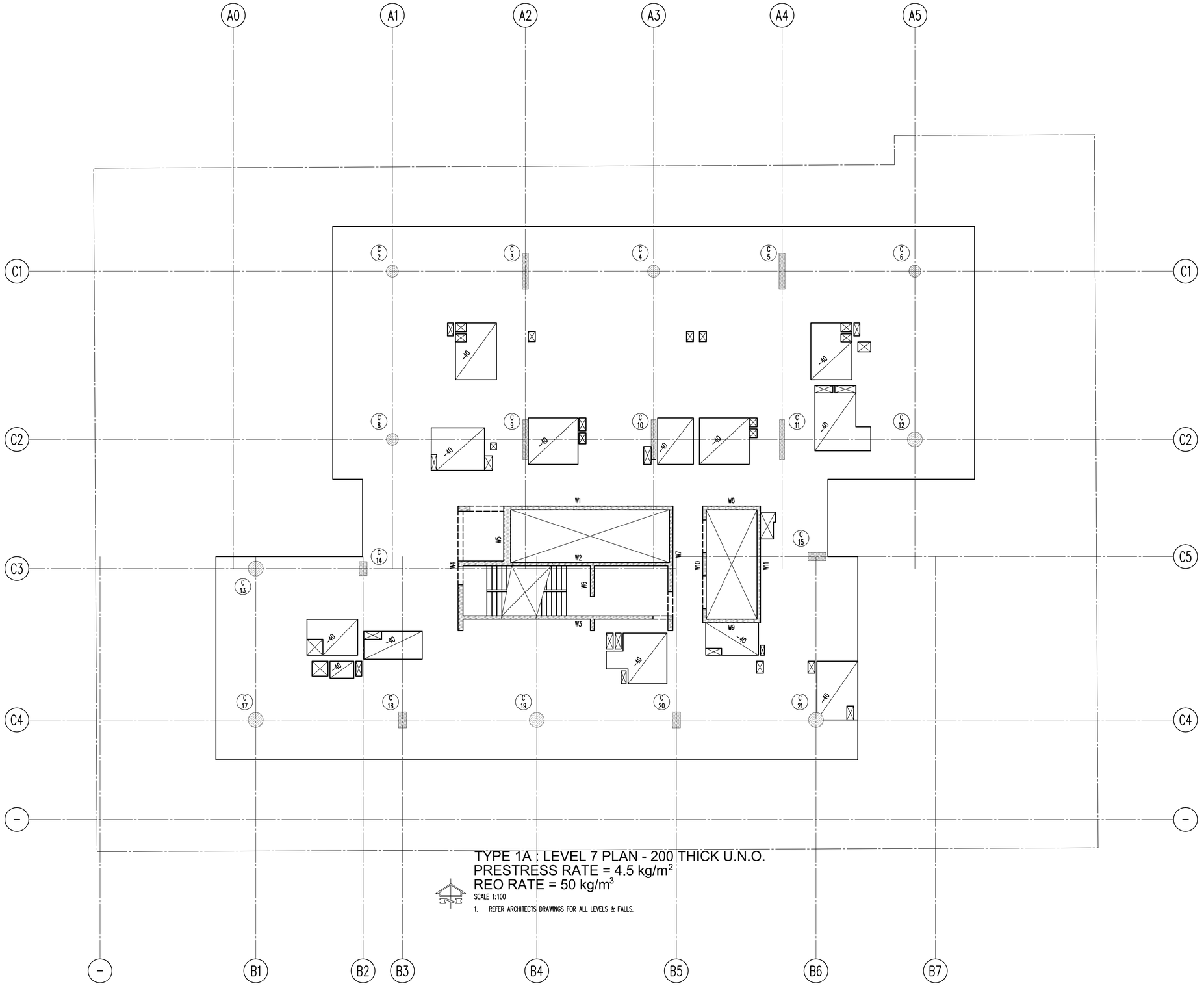
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
HOTEL D
LEVEL 6 PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0600	P2

Plot File Created: Apr 05, 2011 - 4:28pm



TYPE 1A ; LEVEL 7 PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5 kg/m^2
REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0650.dwg - USER: crotjd - Plot File Created: Apr 05, 2011 - 4:29pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR COSTING	RTG	CMT	05.04.11

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
TYPE 1A
LEVEL 7 PLAN

Scale : A1
1:100

Drawn
M.W.

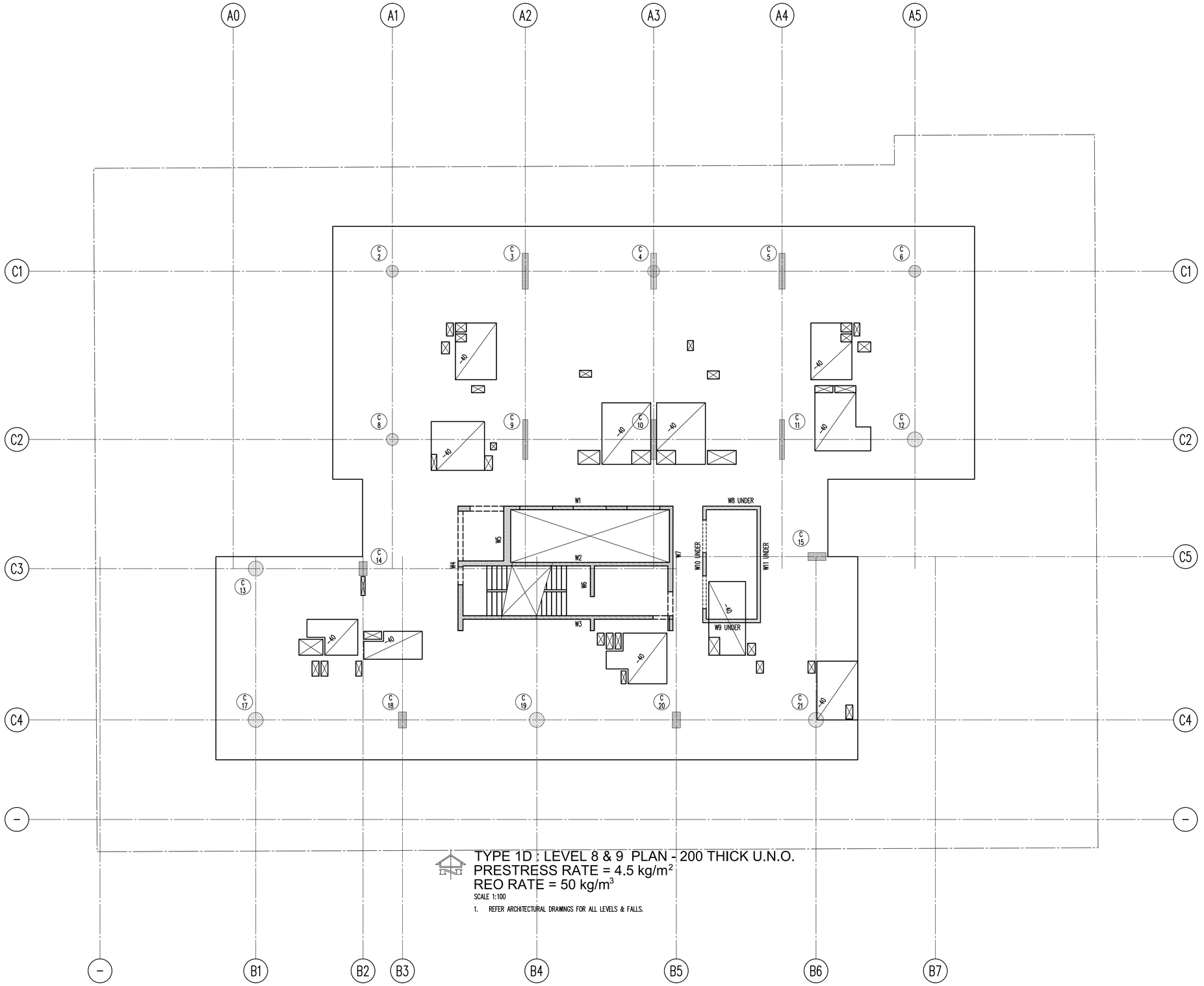
Authorised

Job No
091602

Drawing No
S0650

Revision
P1

Plot File Created: Apr 05, 2011 - 4:29pm



TYPE 1D : LEVEL 8 & 9 PLAN - 200 THICK U.N.O.

PRESTRESS RATE = 4.5 kg/m^2

REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTURAL DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0700.dwg – USER: crotjd – Plot File Created: Apr 05, 2011 – 4:29pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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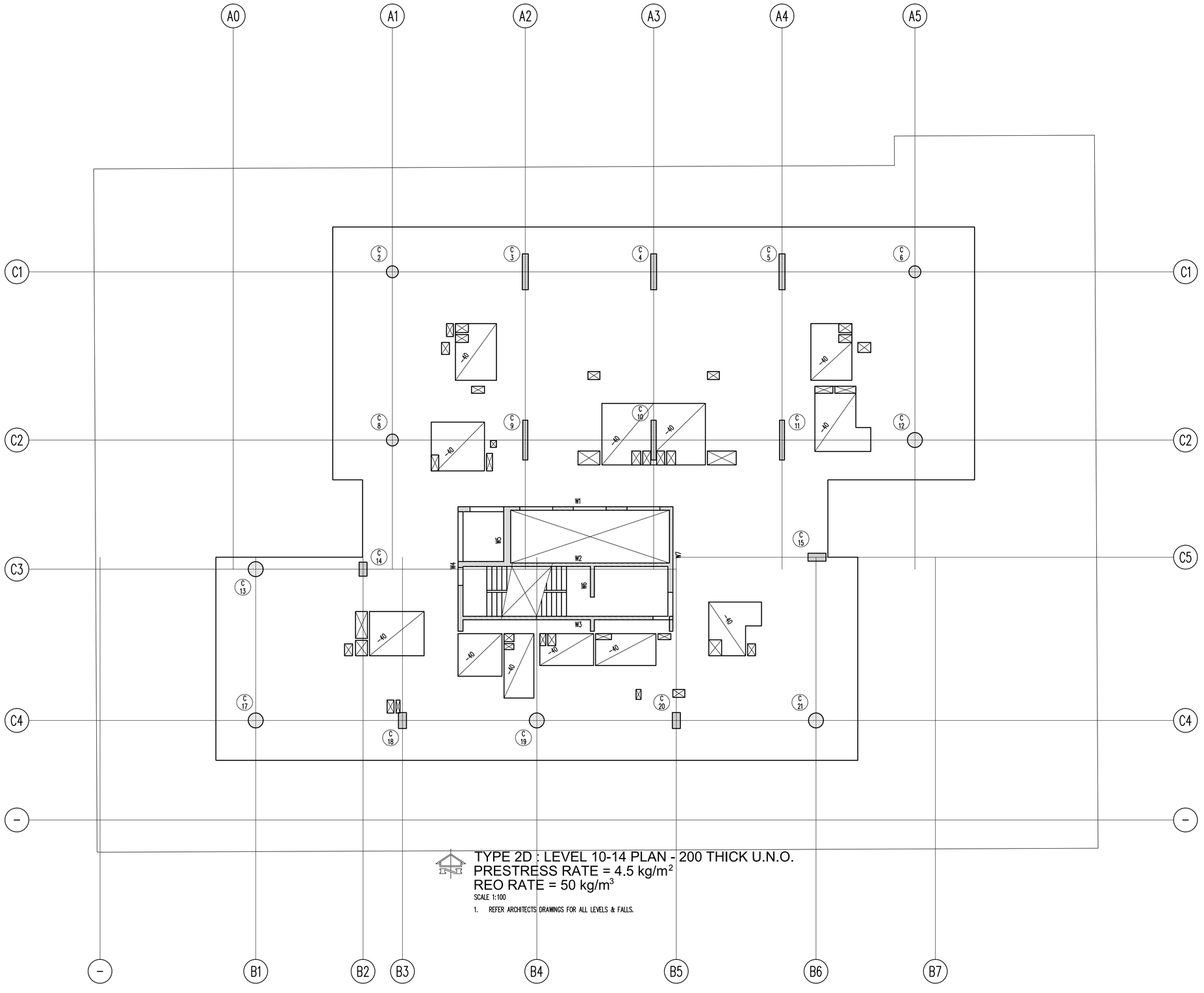
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
TYPE 1D
LEVEL 8 & 9 PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0700	P2

Plot File Created: Apr 05, 2011 - 4:29pm



TYPE 2D : LEVEL 10-14 PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5 kg/m^2
REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

PRELIMINARY

FileName: S0750.dwg - USER: cindyt - Plot File Created: Apr 05, 2011 - 4:29pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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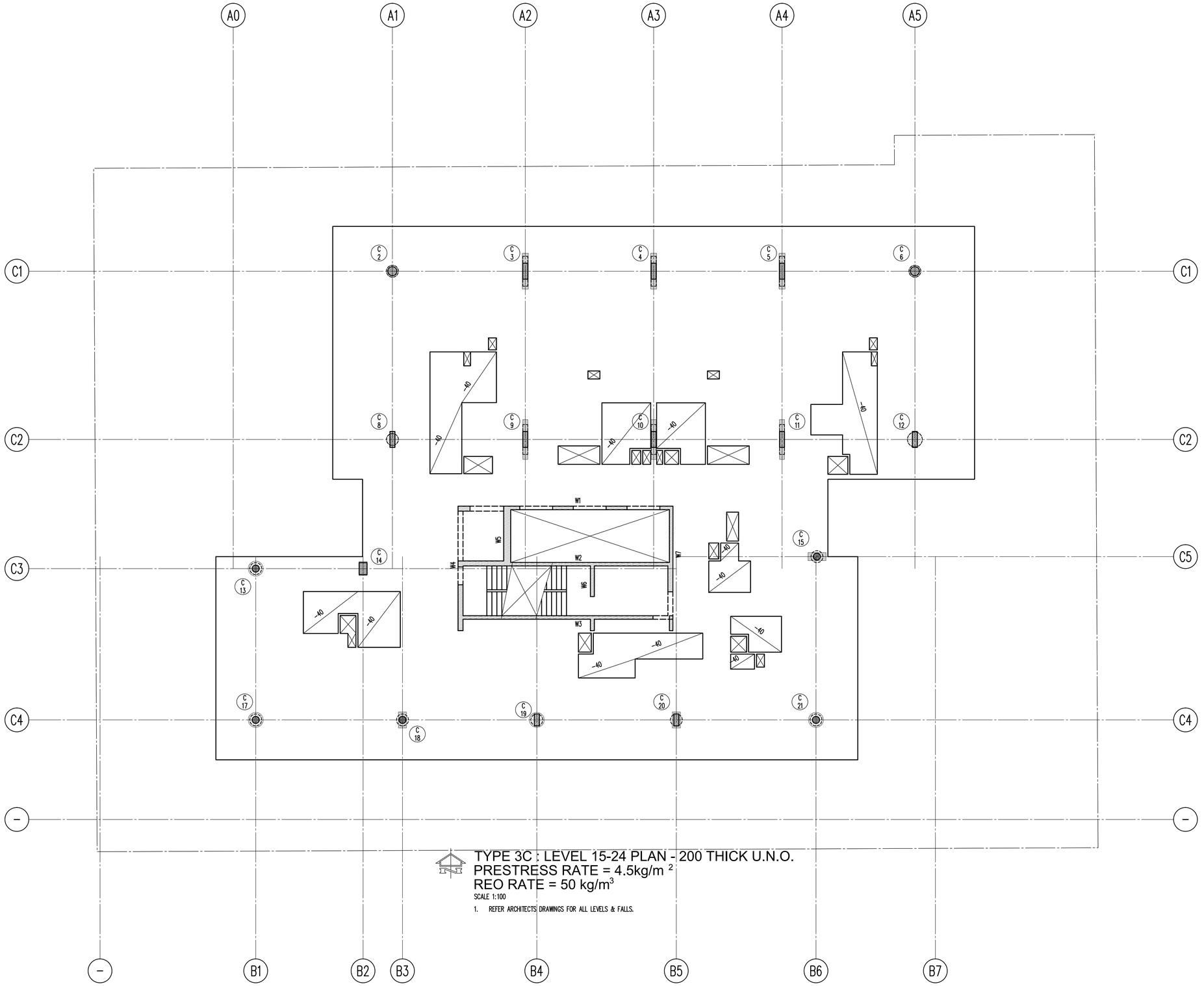
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
TYPE 2D
LEVEL 10-14 PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0750	P2

Plot File Created: Apr 05, 2011 - 4:29pm



TYPE 3C : LEVEL 15-24 PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5kg/m ^{2}
REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0800.dwg – USER: cmjd – Plot File Created: Apr 05, 2011 – 4:29pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.10
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

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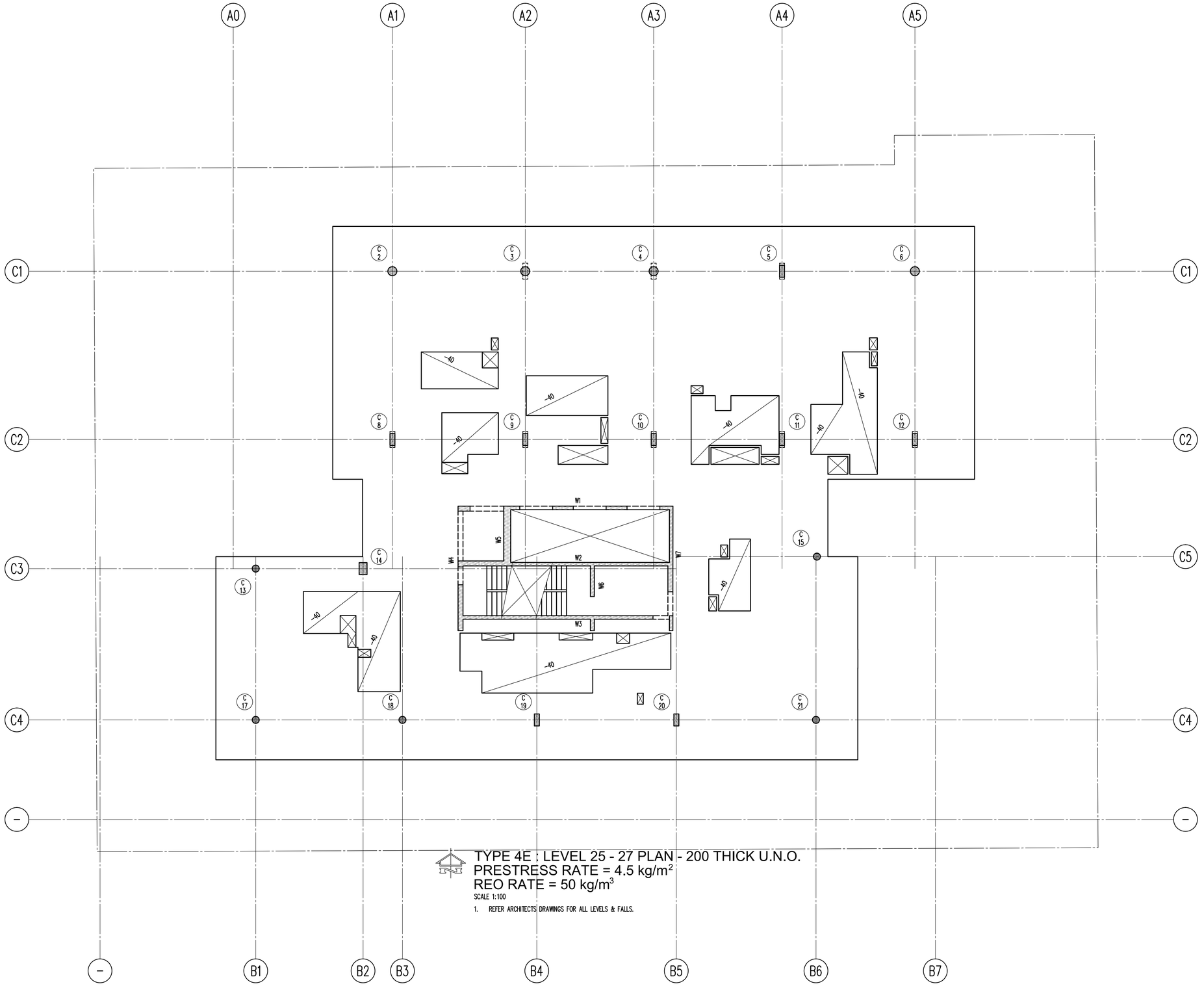
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
TYPE 3C
LEVEL 15-24 PLAN

Scale : A1 1:100 | Drawn M.W. | Authorised
Job No 091602 | Drawing No S0800 | Revision P2
Plot File Created: Apr 05, 2011 - 4:29pm



TYPE 4E : LEVEL 25 - 27 PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5 kg/m^2
REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0850.dwg - USER: craigt - Plot File Created: Apr 05, 2011 - 4:29pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTC	CMT	05.04.11
P1	ISSUED FOR COSTING	RTC	CMT	25.05.10

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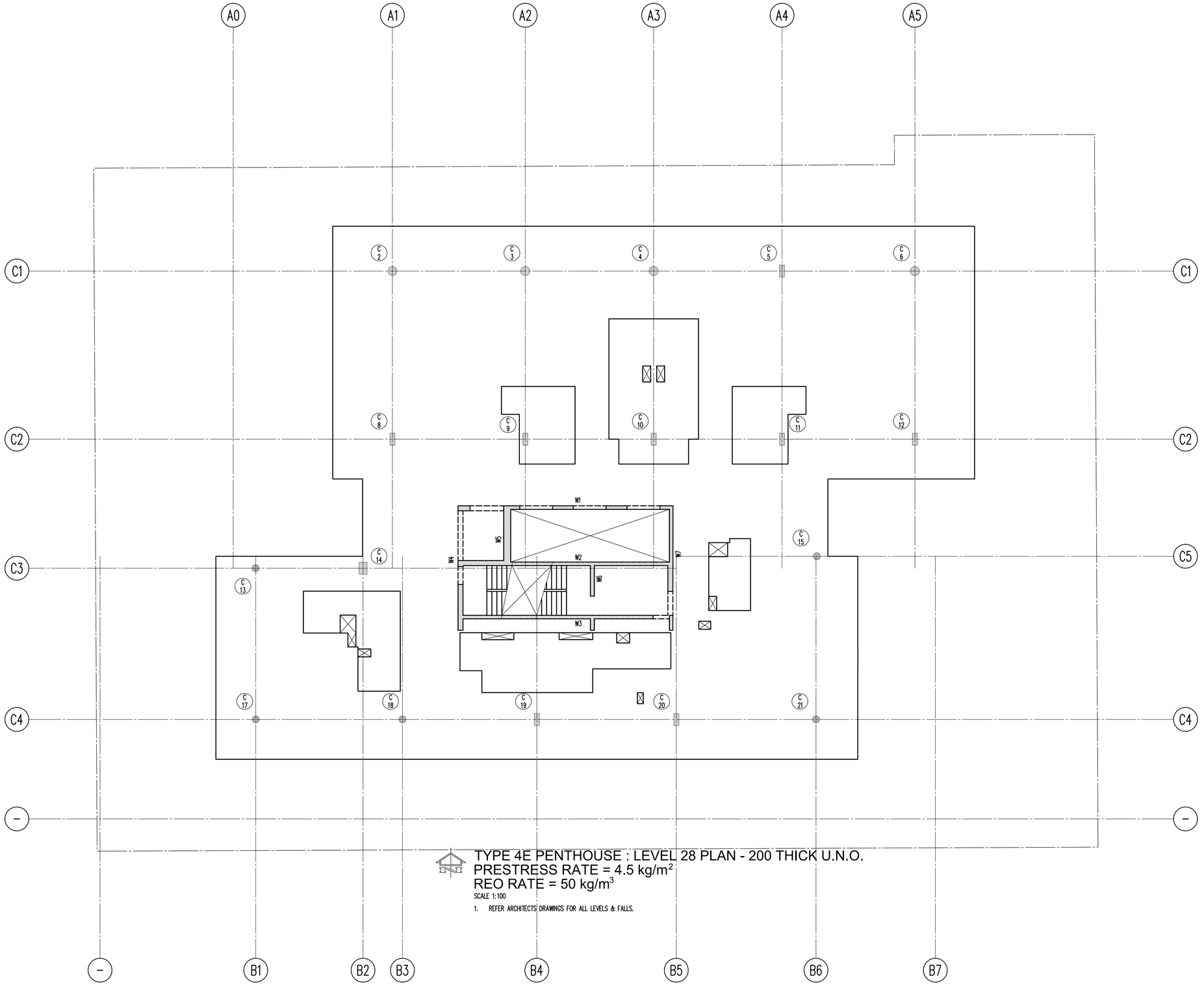
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
TYPE 4E
LEVEL 25-27 PLAN

Scale : A1 1:100
Drawn M.W.
Authorised
Job No 091602
Drawing No S0850
Revision P2
Plot File Created: Apr 05, 2011 - 4:29pm



TYPE 4E PENTHOUSE : LEVEL 28 PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5 kg/m^2
REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0900.dwg - USER: crolyl - Plot File Created: Apr 05, 2011 - 4:29pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR COSTING	RTG	CMT	05.04.11

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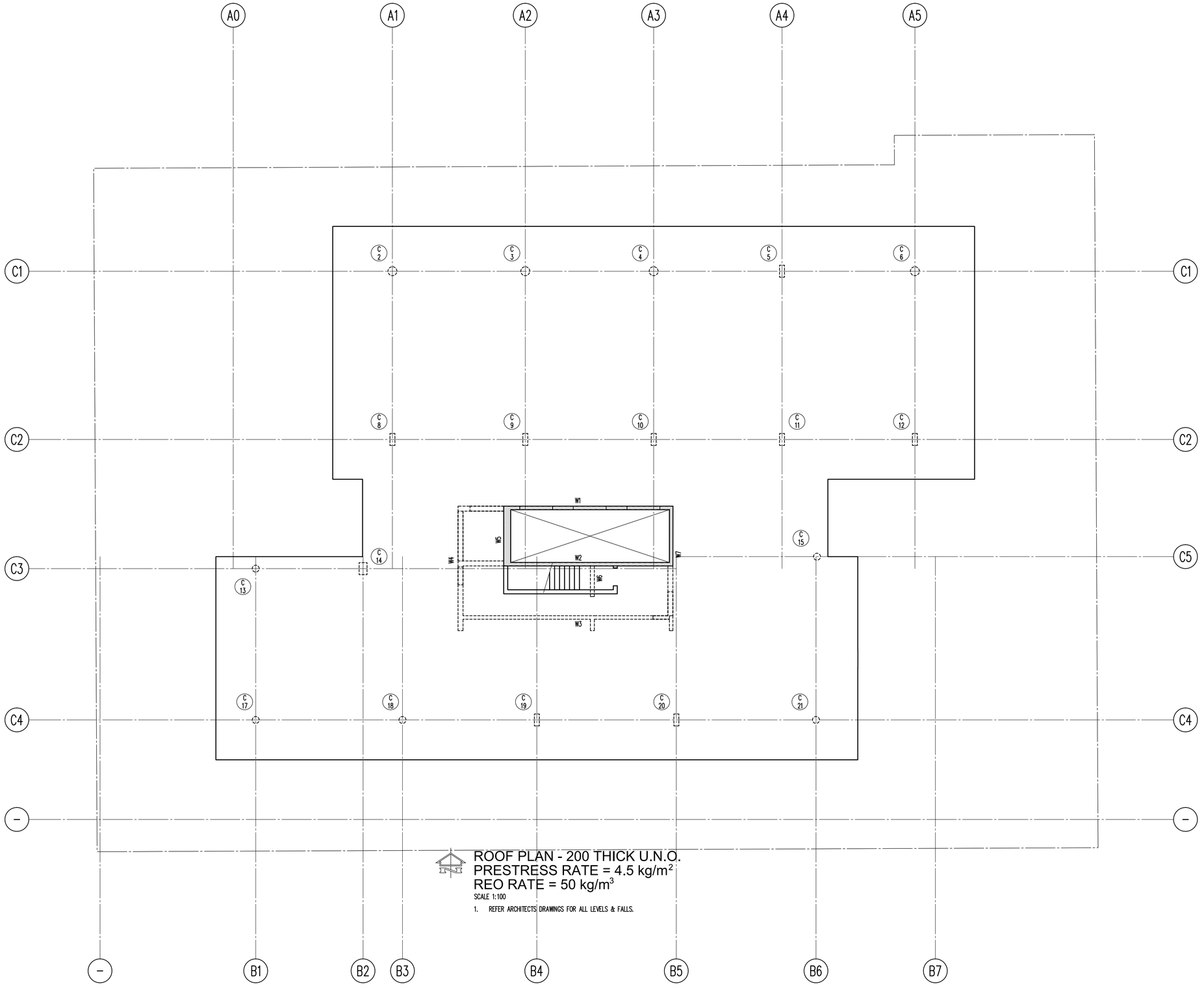
Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
TYPE 4E PENTHOUSE
LEVEL 28 PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0900	P1

Plot File Created: Apr 05, 2011 - 4:29pm



ROOF PLAN - 200 THICK U.N.O.
PRESTRESS RATE = 4.5 kg/m^2
REO RATE = 50 kg/m^3

SCALE 1:100

1. REFER ARCHITECTS DRAWINGS FOR ALL LEVELS & FALLS.

FileName: S0950.dwg - USER: crotjd - Plot File Created: Apr 05, 2011 - 4:26pm

A1 0 1 2 3 4 5 6 7 8 9 10

PRELIMINARY

Rev	Description	Eng	Draft	Date
P2	RE-ISSUED FOR COSTING	RTG	CMT	05.04.11
P1	ISSUED FOR COSTING	RTG	CMT	25.05.10

Rev Description Eng Draft Date | Rev Description Eng Draft Date

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Project
6-16 ATCHINSON STREET,
ST. LEONARDS

Sheet Subject
ROOF PLAN

Scale : A1	Drawn	Authorised
1:100	M.W.	

Job No	Drawing No	Revision
091602	S0950	P2

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