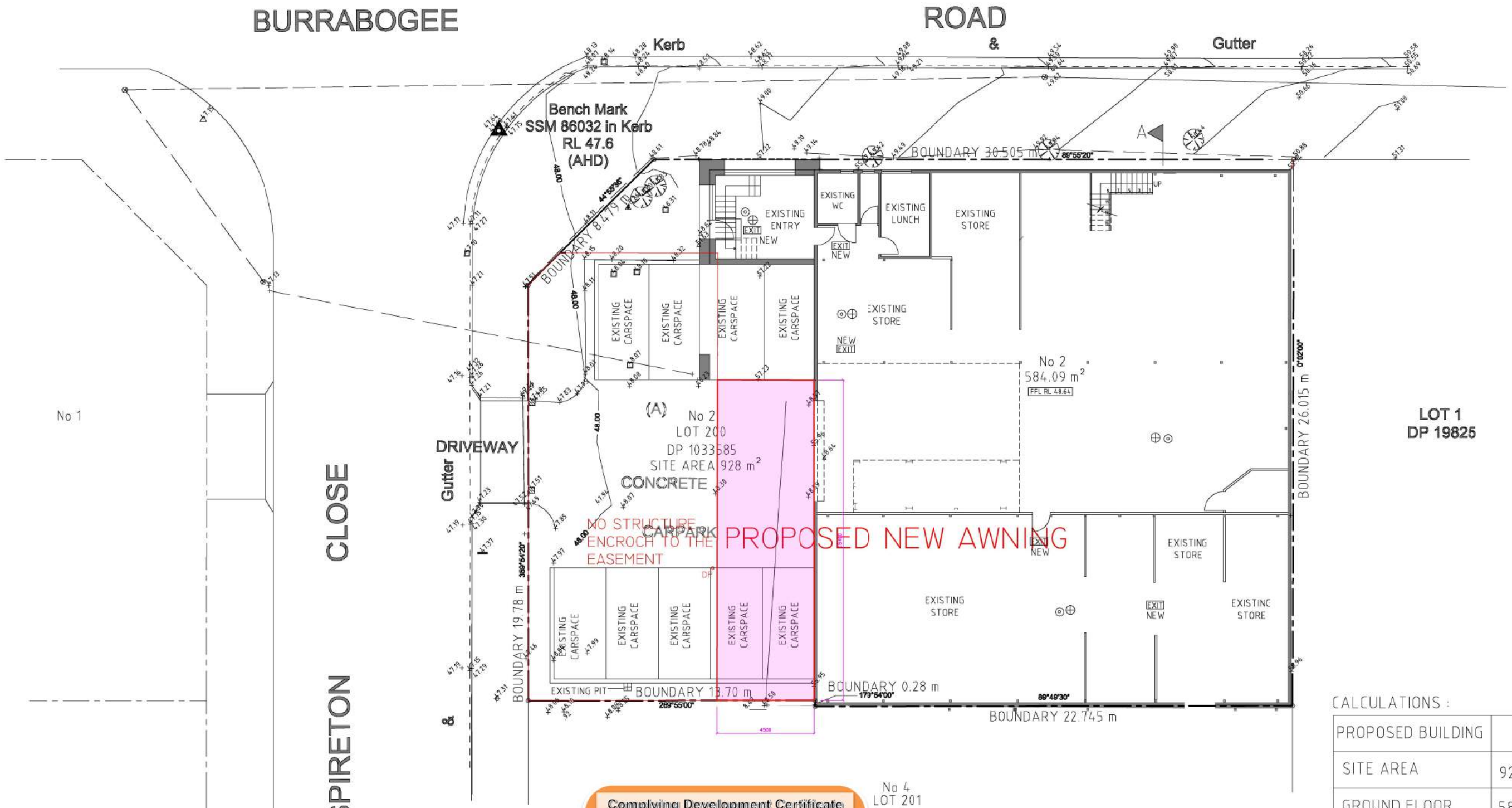


Complying Development Certificate
approved plan

CDC/FDA/61272
Dated 13/ 12/ 2021

Fast Development Approval
Accreditation No BDC04664

SITE PLAN

SCALE 1:200 (IN A2)

CALCULATIONS :

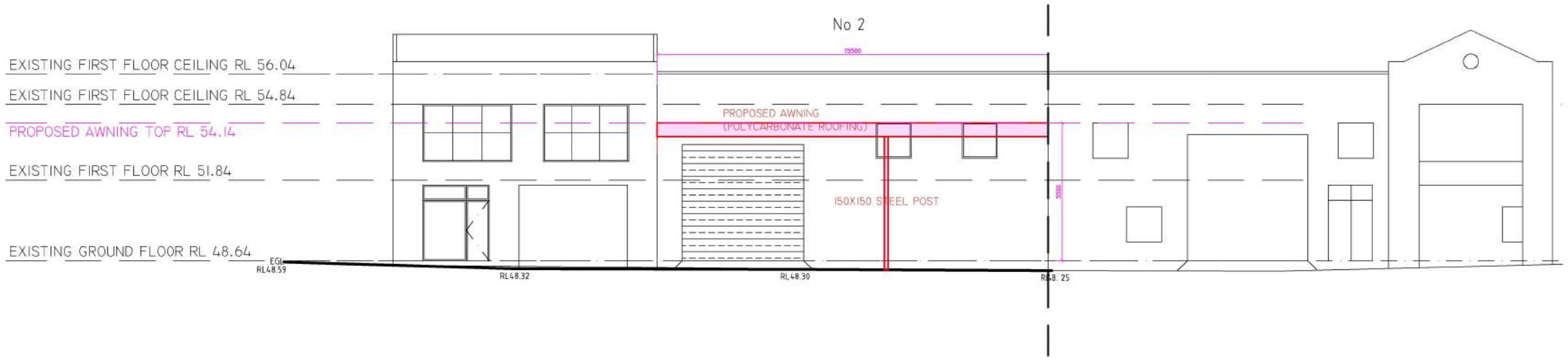
PROPOSED BUILDING	NO 2
SITE AREA	928 sqm
GROUND FLOOR	584.09 sqm
FIRST FLOOR (OFFICE)	46.84 sqm
FIRST FLOOR (MEZZANINE)	491.44 sqm
CAR SPACES	9 SPACES

a r c h i s o p h i a
architectural design & construction

35 ramsay st.
haberfield nsw 2045
p 0405 383 986
f 9798 6351
e archisop@hotmail.com

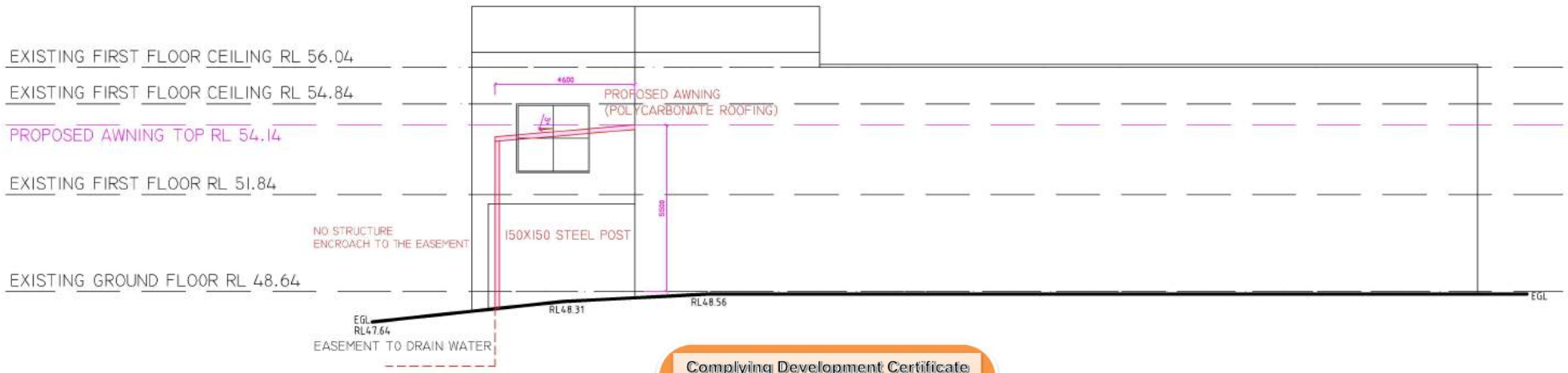
PROJECT: PROPOSED AWNING	CLIENT:	DRAWING: SITE PLAN	NOTES:
		SCALE: 1:200	
PROJECT ADDRESS: 2 SPIRETON PLACE PENDLE HILL	COUNCIL: CITY OF PARRAMATTA	DATE: 17/10/2020	
		DRAWING NO: 1/4	REVISION:

NO.	DESCRIPTION	DATES



WEST ELEVATION

SCALE 1:200 (IN A2)



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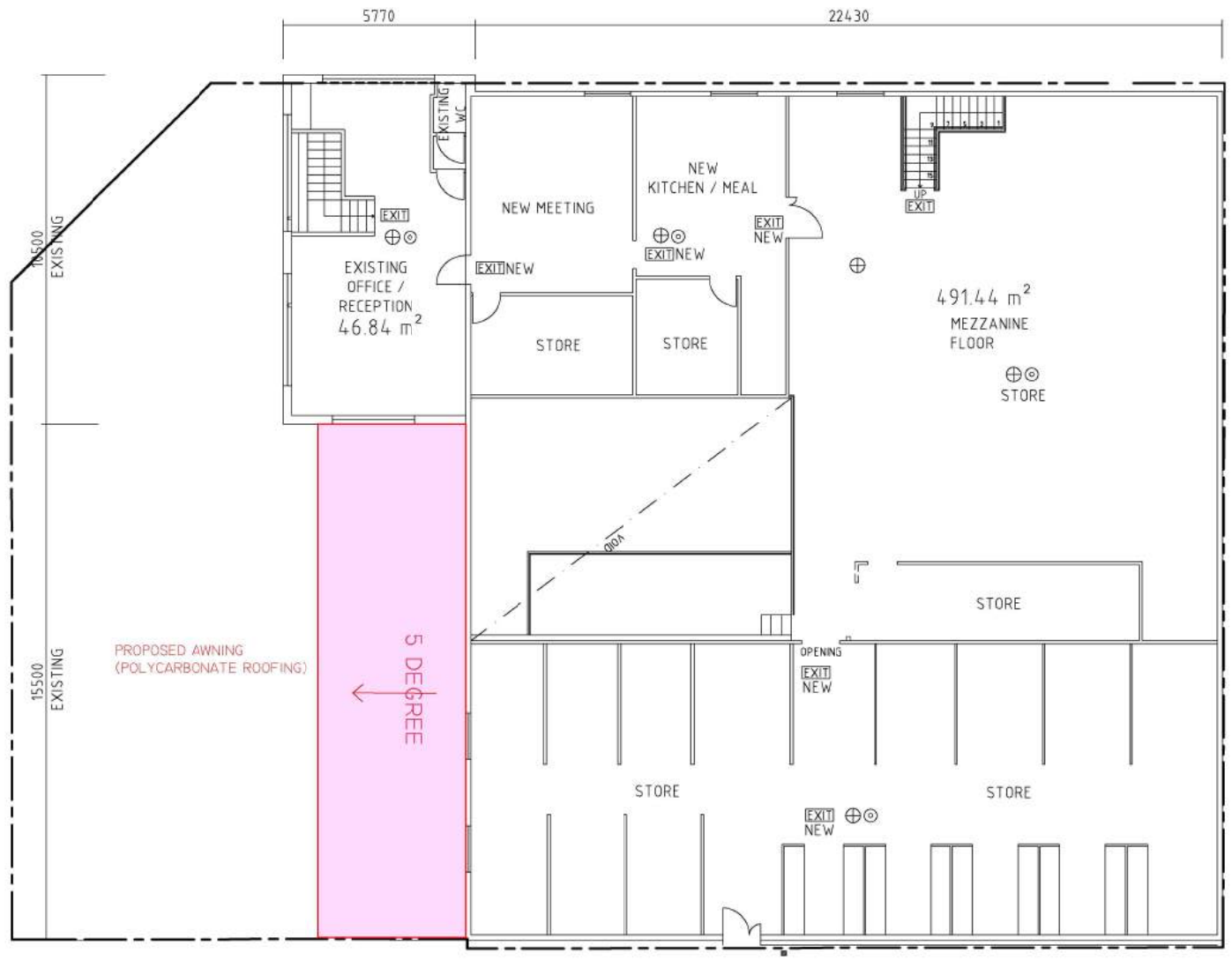
PROJECT: PROPOSED AWNING	CLIENT:	DRAWING: ELEVATIONS I	NOTES: 1. ALL SHOWER HEADS WITH MIN. 5 STAR 2. ALL TOILET FLUSHING SYSTEM WITH MIN. 5 STAR 3. ALL TAPS WITH MIN. 4 STAR 4. ALL CEILING/ROOF INSUL. MIN. R5.0 5. WALL INSUL. MIN R1.5
		SCALE: 1:100	
PROJECT ADDRESS: 2-4 SPIRETON CLOSE PENDLE HILL	COUNCIL: CITY OF PARRAMATTA	DATE: 17/10/2020	
		DRAWING NO: 4/4	REVISION:

NO.	DESCRIPTION	DATES



FIRST FLOOR PLAN

SCALE 1:200 (IN A2)

Complying Development Certificate
approved plan

CDC/FDA/61272
Dated 13/ 12/ 2021

Fast Development Approval
Accreditation No BDC04664

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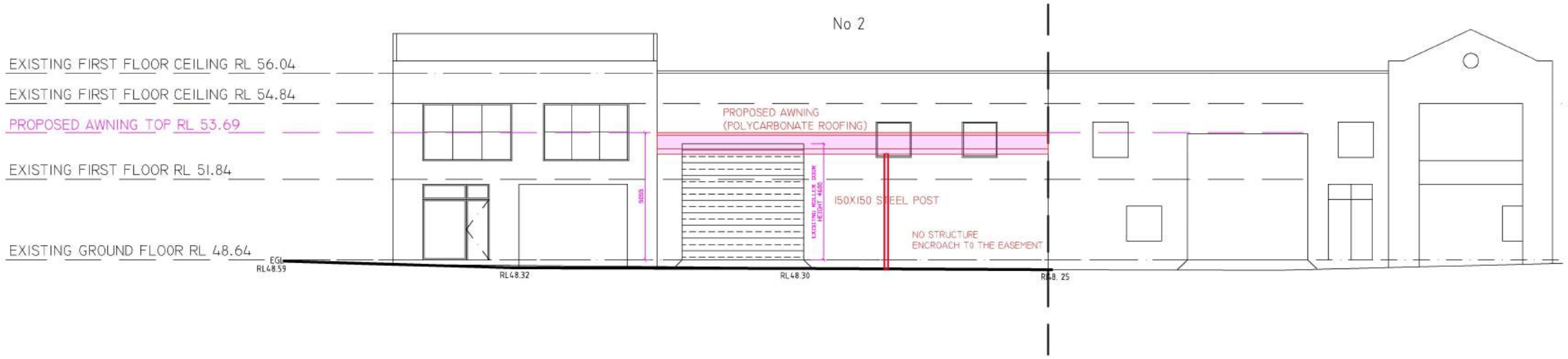
e archisop@hotmail.com

PROJECT: PROPOSED AWNING	CLIENT:	DRAWING: FIRST FLOOR PLAN	NOTES: 1. ALL SHOWER HEADS WITH MIN. 5 STAR 2. ALL TOILET FLUSHING SYSTEM WITH MIN. 5 STAR 3. ALL TAPS WITH MIN. 4 STAR 4. ALL CEILING,ROOF INSUL. MIN. R5.0 5. WALL INSUL. MIN R1.5
		SCALE: 1:200	
PROJECT ADDRESS: 2 SPIRETON PLACE PENDLE HILL	COUNCIL: CITY OF PARRAMATTA	DATE: 17/10/2020	
		DRAWING NO: 3/4	REVISION:

NO.	DESCRIPTION	DATES



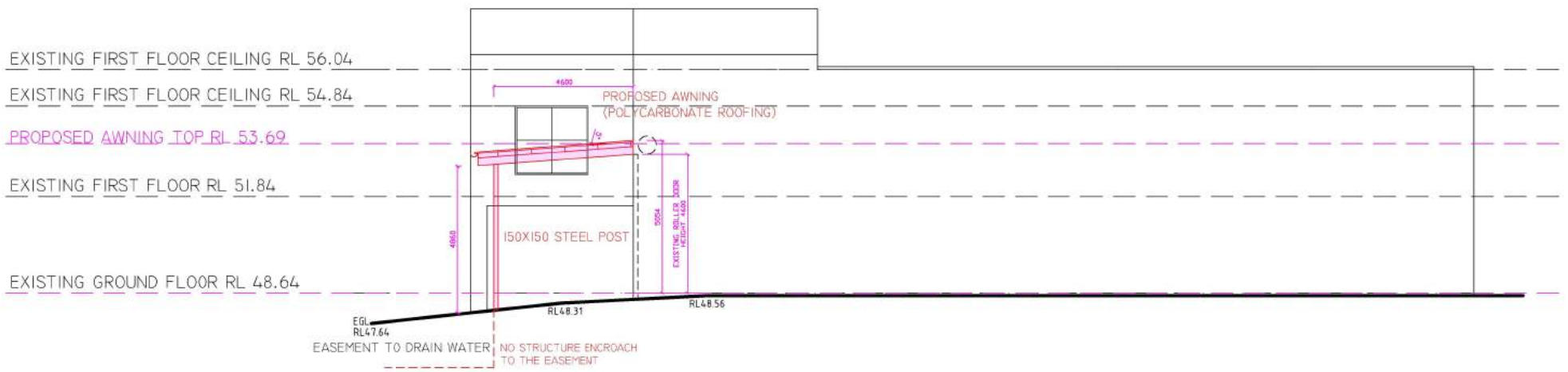
WEST ELEVATION

SCALE 1:200 (IN A2)

Complying Development Certificate
approved plan

CDC/FDA/61272
Dated 13/ 12/ 2021

Fast Development Approval
Accreditation No BDC04664



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e archisop@hotmail.com

PROJECT: PROPOSED AWNING	CLIENT:	DRAWING: ELEVATIONS I	NOTES: 1. ALL SHOWER HEADS WITH MIN. 5 STAR 2. ALL TOILET FLUSHING SYSTEM WITH MIN. 5 STAR 3. ALL TAPS WITH MIN. 6 STAR 4. ALL CEILING/ROOF INSUL. MIN. R5.0 5. WALL INSUL. MIN R1.5
		SCALE: 1:100	
PROJECT ADDRESS: 2-4 SPIRETON CLOSE PENDLE HILL	COUNCIL: CITY OF PARRAMATTA	DATE: 17/10/2020	
		DRAWING NO: 4/4	REVISION:

NO.	DESCRIPTION	DATES

STRUCTURAL ENGINEERING DETAILS

PROPOSED AWNING TO EXISITNG WAREHOUSE AT PENDLE HILL

2-4 SPIRETON CLOSE PENDLE HILLS NSW 2145

For: 2-4 SPIRETON CLOSE PENDLE HILLS NSW 2145

FOR CONSTRUCTION

Job No.: 210505

PAC CONSULTING

P4/ 38 Victoria St. Epping NSW 2121 (+61) 406 698 387 pacconsulting.aus@gmail.com

DO NOT SCALE - USE FIGURED DIMENSIONS ONLY

A3 ORIGINAL

NEW AWNING ON EXISING WAREHOUSE

GENERAL

G01. THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANT'S DRAWINGS AND SPECIFICATIONS, AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.

G02. "U.N.O." DENOTES UNLESS NOTED OTHERWISE.

G03. THE WORD 'ENGINEER' IN THESE NOTES REFERS TO AN EMPLOYEE OR NOMINATED REPRESENTATIVE OF *PAC CONSULTING*

G04. THE WORD 'BUILDER' IN THESE NOTES REFERS TO HEAD CONTRACTOR FOR THE BUILDING WORKS.

G05. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE 'ENGINEER' FOR A DECISION BEFORE PROCEEDING WITH WORK.

G06. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE "BUILDING CODE OF AUSTRALIA", AND THE APPROPRIATE AUSTRALIAN STANDARDS.

G07. ALL DIMENSIONS ARE IN MILLIMETRES (mm), U.N.O.

G08. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.

G09. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED ON SITE BY THE 'BUILDER' PRIOR TO CONSTRUCTION OR FABRICATION.

G10. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVER STRESSED. THE METHOD OF CONSTRUCTION AND THE MAINTENANCE OF SAFETY OF CONSTRUCTION DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE 'BUILDER'. IF ANY STRUCTURAL ELEMENT PRESENTS AN ISSUE IN RESPECT TO CONSTRUCTABILITY OR SAFETY THE MATTER SHOULD BE REFERRED TO THE 'ENGINEER'. THE DETERMINATION OF A SAFE WORK METHOD REMAINS THE RESPONSIBILITY OF THE 'BUILDER'.

G11. ALL CODES REFERRED TO IN THESE NOTES ARE THE LATEST EDITION WITH AMENDMENTS.

G12. THE 'BUILDER' SHALL BE RESPONSIBLE TO ENSURE THAT NO EXCAVATION, PILE OR ANCHOR HAS ANY ADVERSE EFFECT ON EXISTING SERVICES OR STRUCTURE.

G13. NO CHANGES OR SUBSTITUTIONS IN ANY STRUCTURAL ELEMENT DOCUMENTED IN THE STRUCTURAL DRAWINGS SHALL BE MADE WITHOUT REFERENCE TO THE 'ENGINEER'.

G14. PROPIETARY ITEMS SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS.

G15. THE 'BUILDER' SHALL ARRANGE SEPARATE CERTIFICATION OF ANY DESIGN AND CONSTRUCT COMPONENT OF THE STRUCTURE BY A CHARTERED (NPER REGISTERED) STRUCTURAL ENGINEER.

G16. ALL ARCHITECTURAL FITMENTS (GLAZING, PARTITIONS, CEILINGS AND THE LIKE) SHALL ALLOW FOR SHORT AND LONG TERM MOVEMENTS OF THE STRUCTURE. THE 'BUILDER' SHALL CONSULT THE 'ENGINEER' FOR THE EXTENT OF ALLOWANCE TO BE MADE.

G17. THE 'ENGINEER' ACCEPTS NO RESPONSIBILITY FOR ANY WORKS NOT INSPECTED OR NOT APPROVED BY THE 'ENGINEER' DURING CONSTRUCTION.

G18. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED FOR ALL ENGINEERING INSPECTIONS.

DESIGN DATA

DD01. THIS DESIGN WAS BASED ON THE CODES REQUIREMENTS TO PART B1 OF THE "BUILDING CODE OF AUSTRALIA".

DD02. THE STRUCTURAL ELEMENTS HAVE BEEN DESIGNED FOR PERMANENT AND SUPERIMPOSED LOADS IN ACCORDANCE WITH AS1170 AND AS SHOWN ON THE LOADING KEY PLANS.

DD03. THE CONCRETE ELEMENTS HAVE BEEN DESIGNED FOR EXPOSURE CLASSIFICATION IN ACCORDANCE WITH AS3600 TABLE 4.3.

DD04. THE STRUCTURE CONFORMS TO THE REQUIREMENTS OF AS1170–4 FOR SEISMIC EFFECTS, EARTHQUAKE DESIGN CATEGORY = I.

DD05. THE FOLLOWING FIRE RATINGS HAVE BEEN ALLOWED FOR IN THE DESIGN:

ITEM	FLOOR LEVEL	RATING, U.N.O.
ALL	*ALL*	*60 min*

DD06. THE CONCRETE ELEMENTS HAVE BEEN DESIGNED FOR THE FOLLOWING EXPOSURE CLASSIFICATION IN ACCORDANCE WITH AS3600 TABLE 4.3.

ELEMENT	CLASSIFICATION
FOOTINGS	*TO MATCH EXISTING*
INTERIOR WALLS, COLUMNS, STAIR, SLAB AND BEAMS	*A1*
EXTERIOR COLUMNS, WALLS AND BEAMS	*B2*

FOR CONSTRUCTION

FOUNDATIONS, FOOTINGS AND RETAINING WALLS

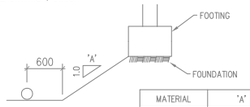
F01. FOOTING EXCAVATIONS SHALL BE CARRIED DOWN TO UNDISTURBED UNIFORM MATERIAL, U.N.O. REFER TO DRAWINGS FOR ALLOWABLE BEARING CAPACITIES FOR INDIVIDUAL FOOTINGS.

F02. FOOTINGS HAVE BEEN DESIGNED FOR 100 KPa ALLOWABLE BEARING PRESSURE ON SAND. 'BUILDER' TO CHECK AND CONFIRM THIS ON SITE PRIOR TO CASTING THE FOOTINGS. THE 'BUILDER' SHALL MAKE THEIR OWN INVESTIGATIONS IF NECESSARY.

F03. APPROVAL OF THE FOUNDATION MATERIAL SHALL BE OBTAINED FROM THE 'GEOTECHNICAL ENGINEER' PRIOR TO PLACING OF CONCRETE.

F04. ANY OVER EXCAVATION SHALL BE BACKFILLED WITH CONCRETE GRADE N15.

F05. EXCAVATION NEAR FOOTINGS SHALL NOT EXTEND BELOW FOUNDATION LEVEL WITHOUT THE 'ENGINEER'S' APPROVAL. FOOTINGS ADJACENT TO SERVICES ETC SHALL BE EXTENDED DOWN SUCH THAT THE INFLUENCE LINE OF THE FOOTING IS CLEAR OF THE ADJACENT SERVICE EXCAVATION, U.N.O.



MATERIAL	'A'
SAND	2.0
CLAY	1.0
ROCK	0.1

F06. ALL FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS, U.N.O.

F07. DO NOT BACKFILL RETAINING WALLS (OTHER THAN CANTILEVER WALLS) UNTIL FLOOR CONSTRUCTION AT TOP AND BOTTOM IS COMPLETED. FREE DRAINING BACKFILL, DRAINAGE AND WATERPROOF MEMBRANES SHALL BE PLACED BEHIND ALL RETAINING WALLS, U.N.O.

F08. THE 'BUILDER' SHALL BE RESPONSIBLE FOR MAINTAINING ANY EXCAVATION IN A STABLE CONDITION WITHOUT ADVERSELY AFFECTING SURROUNDING PROPERTY INCLUDING SERVICES. THIS INCLUDES OBTAINING ALL NECESSARY APPROVALS FOR SHORING AND ANCHORING SYSTEMS.

F09. VERTICAL EXCAVATIONS IN ROCK AND BATTERS IN SOIL TO BE INSPECTED BY THE 'GEOTECHNICAL ENGINEER' TO DETERMINE FACE STABILITY.

CONCRETE

C01. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 AND OTHER RELEVANT AUSTRALIAN STANDARDS.

C02. CONCRETE SHALL HAVE A SLUMP OF 80mm, A MAXIMUM AGGREGATE SIZE OF 20mm, AND A STRENGTH GRADE AS TABULATED BELOW, U.N.O.

ELEMENT	STRENGTH GRADE–AS3600
ALL ELEMENTS	*40MPa OR AS SPECIFICALLY NOTED*

C03. PROJECT ASSESSMENT OF CONCRETE STRENGTH IS REQUIRED IN ACCORDANCE WITH THE SPECIFICATION.

C04. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED IN THE FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF THE CONCRETE.

C05. SIZE OF CONCRETE ELEMENTS DOES NOT INCLUDE THICKNESS OF APPLIED FINISHES.

C06. LOCATION AND DETAILS OF CONSTRUCTION JOINTS SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS, OR 'BUILDER' TO SUBMIT DETAILS FOR THE 'ENGINEER'S' WRITTEN APPROVAL PRIOR TO CONCRETE POUR.

C07. HOLES, CHASES OR PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL NOT BE PLACED IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE 'ENGINEER'.

C08. CONDUITS, PIPES AND THE LIKE SHALL NOT BE PLACED WITHIN THE CONCRETE COVER.

C09. FORMWORK SHALL BE DESIGNED, CONSTRUCTED AND STRIPPED IN ACCORDANCE WITH AS3610 AND AS3600.

C10. MAXIMUM LIFT OF POUR FOR CONCRETE ELEMENTS TO BE 3000mm UNLESS METHOD OF PLACEMENT HAS BEEN APPROVED BY THE 'ENGINEER'.

C11. ALL CONCRETE SHALL BE PROPERLY CURED, THE 'BUILDER' SHALL SUBMIT PROPOSED CURING METHOD FOR THE 'ENGINEER'S' WRITTEN APPROVAL PRIOR TO CONCRETE POUR.

TEMPORARY PROPPING

TP01. THE DESIGN CERTIFICATION, CONSTRUCTION AND PERFORMANCE OF THE TEMPORARY PROPPING SHALL BE THE RESPONSIBILITY OF THE 'BUILDER'.

TP02. TEMPORARY PROPPING IS TO BE IN PLACE PRIOR TO INSTALLATION OF "NEW" FLOOR.

TP03. 'BUILDER' IS TO ENSURE A SUITABLY QUALIFIED PERSON INSPECTS THE PROPPING FOR CORRECT INSTALLATION, AND IS CAPABLE OF SUPPORTING SLAB LOADS.

TP04. PROPPING TO REMAIN IN PLACE UNTIL SLAB HAS ACHIEVED DESIGN STRENGTH.

FORMWORK

FW01. THE DESIGN CERTIFICATION, CONSTRUCTION AND PERFORMANCE OF THE FORMWORK AND FALSEWORK SHALL BE THE RESPONSIBILITY OF THE 'BUILDER'.

FW02. CONCRETE FORMED SURFACES TO HAVE THE FOLLOWING FINISHES IN ACCORDANCE WITH AS3610 AND AS3600.

ELEMENT	SURFACE FINISH	CRITICAL FACE
SUPERSTRUCTURE SLABS AND BEAMS	*REFER TO ARCHITECTS SPECIFICATION*	

FW03. DESIGN INFORMATION CONCERNING THE FOUNDATION FORMWORK SHALL BE DETERMINED FROM THE CONDITIONS EXISTING ON SITE AT THE TIME OF CONSTRUCTION.

FW04. REFER ALSO TO THE GEOTECHNICAL REPORT WHERE REQUIRED.

FW05. WHERE APPLICABLE, THE FORMWORK SHALL BE DESIGNED TO ACCOMMODATE MOVEMENT AND LOAD RE–DISTRIBUTION DUE TO POST–TENSIONING. THE FORMWORK DESIGNER MAY NEED TO CONSULT THE POST–TENSIONING SUBCONTRACTOR TO ACHIEVE THIS.

REINFORCEMENT

R01. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 AND ANY OTHER RELEVANT CODES.

R02. REINFORCEMENT TYPE AND GRADE:

REINFORCEMENT NOTATION TYPE	DESCRIPTION AND TYPE	CLASSIFICATION AND DESIGNATION TO AS/NZS4671
N	HOT ROLLED DEFORMED BAR, MICROALLOY TEMPCORE	D500N
R	HOT ROLLED PLAIN ROUND BAR, MILD STEEL	R250N
W	COLD DRAWN PLAIN ROUND WIRE, MILD STEEL COIL	R500L
S	HOT ROLLED DEFORMED BAR, MILD STEEL	D250N
SL	SQUARE MESH OF COLD DRAWN DEFORMED WIRE, MILD STEEL SHEETS	D500SL
RL	RECTANGULAR MESH OF COLD DRAWN DEFORMED WIRE, MILD STEEL SHEETS	D500RL
L TM	RECTANGULAR MESH OF COLD DRAWN DEFORMED WIRE, MILD STEEL SHEETS	D500RL

R03. BAR NOTATION GIVES THE FOLLOWING INFORMATION IN THIS ORDER:
No. OF BARS, TYPE, BAR SIZE (mm), SPACING (mm), LAYER eg. 20N16–200 1st.

R04. FABRIC NOTATION GIVES THE FOLLOWING INFORMATION IN THIS ORDER: "S" OR "R" (SQUARE OR RECTANGULAR) "L" SYMBOL, MESH REFERENCE NUMBER, LOCATION eg. RL918 TOP, SL82 TOP.

R05. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.

R06. CLEAR COVER TO FACE OF ALL REINFORCEMENT SHALL CONFORM TO THE FOLLOWING TABLE U.N.O. ON THE DRAWINGS.

SURFACE AND EXPOSURE ENVIRONMENT		ELEMENT	EXPOSURE CLASS. TO AS3600	FIRE RATING FRP	CONCRETE GRADE	MINIMUM COVER, U.N.O.
SURFACES IN CONTACT WITH GROUND	PROTECTED BY DPM	ALL	A1	NA	40MPa	40mm
	UNPROTECTED BY DPM	ALL	A2	NA	40MPa	75mm
SURFACES IN INTERIOR ENVIRONMENTS STANDARD FORMWORK AND COMPACTION		BEAMS	A1	120/–/–	40MPa	35mm TO TIES, BTM AND SIDES
		SLABS	A1	120/120/120	40MPa	30mm BTM 20mm TOP
		COLUMNS	A1	120/–/–	40MPa	40mm TIES
		WALLS	A1	120/120/120	40MPa	35mm
SURFACES IN EXTERIOR ENVIRONMENTS		ALL	B1	120/120/120 OR 120/–/–	40MPa	40mm
		SLABS, WALLS	B1	120/120/120	40MPa	30mm
SURFACES IN EXTERIOR ENVIRONMENTS – COASTAL		ALL	B2	120/120/120 OR 120/–/–	40MPa	45mm
		SLABS, WALS	B2	120/120/120	40MPa	45mm
SHOTCRETE(SPRAYED CONCRETE)		SLABS, WALS	B2	–/–/–	40MPa	50mm

"DPM" DENOTES DAMP–PROOF MEMBRANE.

REINFORCEMENT cont....

R07. COVER SPECIFIED ALSO APPLIES LOCALLY AT RECESSES, DRIP GROOVES, FILLETS ETC.

R08. LAP REINFORCEMENT ONLY AT LOCATIONS SHOWN ON THE DRAWINGS OR AS APPROVED BY THE 'ENGINEER' IN WRITING, U.N.O. LAP ALL BARS AS TABULATED BELOW.

SLAB REINFORCEMENT	
BAR SIZE	MIN. LAP LENGTH (mm)
N12	450
N16	650
N20	900

BEAM REINFORCEMENT		
BAR SIZE	MIN. LAP LENGTH (mm)	
	< 300mm CONCRETE CAST BELOW THE BAR	> 300mm CONCRETE CAST BELOW THE BAR
N12	450	600
N16	600	800
N20	850	1100
N24	1100	1400
N28	1300	1800
N32	1600	2100
N36	NO LAPS ALLOWED	
N40	NO LAPS ALLOWED	

WALL REINFORCEMENT	
BAR SIZE	MIN. LAP LENGTH (mm)
N12	500
N16	650
N20	800
N24	960
N28	1120

COLUMN REINFORCEMENT	
BAR SIZE	MIN. LAP LENGTH (mm)
N12	450
N16	650
N20	800
N24	950
N28	1100
N32	1250

R09. FABRIC SHALL BE LAPPED SUCH THAT THE TWO OUTERMOST WIRES OF ONE SHEET OVERLAP THE TWO OUTERMOST WIRES OF THE OTHER SHEET BY 25mm MINIMUM.

R10. A MAXIMUM OF THREE SHEETS OF FABRIC SHALL BE LAPPED AT ANY POINT.

R11. REINFORCEMENT SHALL NOT BE BENT OR HEATED ON SITE WITHOUT THE 'ENGINEERS' WRITTEN APPROVAL.

R12. SLAB REINFORCEMENT SHALL EXTEND AT LEAST 65mm ONTO THE SUPPORTING STRUCTURE. AT SLAB EDGES AND ENDS, 50% OF BOTTOM REINFORCEMENT SHALL BE COGGED TO ACHIEVE ANCHORAGE AT BARS.

R13. REINFORCEMENT BAR JOGGLES SHALL BE 1 BAR DIAMETER OVER A LENGTH OF 12 BAR DIAMETERS.

R14. ALL PENETRATIONS TO HAVE 2N16 BARS EXTENDING 600mm PAST PENETRATION ALL ROUND.

STRUCTURAL STEEL

S01. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100 AND AS1554 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

S02. ALL STRUCTURAL STEELWORK COMPONENTS SHALL CONFORM TO THE FOLLOWING TABLE, U.N.O.

COMPONENT	TO CONFIRM WITH AUSTRALIAN STANDARD	GRADE
PLATE	AS/NZS3678	250
HOT ROLLED SECTIONS	AS/NZS3679	300
CHS > 80mm DIA.	AS1163	C350
CHS < 80mm DIA.	AS1163	C250
RHS AND SHS	AS1163	C350
PURLINS AND GIRTS	AS1397	G450
WELDED BEAMS AND COLUMNS	AS/NZS3679	300
FLAT BARS AND RODS	AS/NZS3679	250

S03. THREE (x3) COPIES OF WORKSHOP FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE 'ENGINEER' FOR APPROVAL PRIOR TO FABRICATION. APPROVAL WILL COVER MEMBER SIZES AND CONNECTION DETAILS ONLY. THE APPROVAL WILL NOT EXTEND TO DIMENSIONS. ALL DIMENSIONS AND SETTING OUT SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS WHERE NOT INDICATED ON STRUCTURAL DRAWINGS.

S04. BOLT DESIGNATION;
: 4.6/S COMMERCIAL BOLTS OF GRADE 4.6 TO AS1111, SNUG TIGHTENED.
: 8.8/S HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252, SNUG TIGHTENED.
: 8.8/TB HIGH STRENGTH BOLTS OF GRADE 8.8 TO AS1252, FULLY TENSIONED TO AS4100 AS A BEARING JOINT.
: 8.8/TF HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252, FULLY TENSIONED TO AS4100 AS A FRICTION JOINT WITH CONTACT SURFACES LEFT UNCOATED.

TEST CERTIFICATES FROM AN ACCREDITED TEST LABORATORY CONFIRMING CONFORMANCE OF THE BOLTS AND ASSOCIATED NUTS AND WASHERS WITH THE RELEVANT AUSTRALIAN STANDARDS SHALL BE SUPPLIED TO THE 'ENGINEER'. "/TB" AND "/TF" BOLT CATEGORIES SHALL BE INSTALLED USING EITHER PART–TURN METHOD OR THE DIRECT TENSION INDICATOR METHOD.

S05. ALL BOLTS SHALL BE M20 GRADE 8.8/S, U.N.O. PURLIN AND GIRT FIXING BOLTS SHALL BE M12 GRADE 8.8/S, U.N.O. NO STEEL TO STEEL CONNECTION TO HAVE LESS THAN 2 BOLTS, U.N.O. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANISED. ALL BOLT HOLES SHALL BE ACCURATELY DRILLED OR PUNCHED 2mm LARGER THAN THE BOLT DIAMETER U.N.O.

S06. ALL WELDING SHALL BE IN ACCORDANCE WITH AS1554.1. ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELDS, U.N.O. ALL BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS. ELECTRODES SHALL BE E48XX U.N.O. WELD CATEGORY AS TABULATED BELOW:

ELEMENT	WELD CATEGORY
ALL	S.P.

S07. ALL PLATES SHALL BE 10mm, U.N.O. PURLIN AND GIRT CLEATS SHALL BE 8mm, U.N.O.

S08. STRUCTURAL STEELWORK SHALL HAVE THE PROTECTIVE TREATMENT DEFINED IN THE STEELWORK SPECIFICATION.
NOTE: REFER TO ARCHITECT'S DRAWINGS AND SPECIFICATION FOR DETAILS OF ANY PAINTING COATS OVER PRIMER AND FIRE PROTECTION. ALL EXPOSED TO OUTSIDE STRUCTURAL STEELWORK AND LINTEL BEAMS SHALL BE HOT DIPPED GALVANISED, U.N.O. TO AS/NZS4680 WITH AVERAGE ZINC COATING MASS OFF 600g/sqm (550g/sqm MINIMUM).

S09. THE 'BUILDER' SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR ALL ATTACHMENTS WHETHER OR NOT DETAILED ON THE DRAWINGS. PROVIDE 3mm SEAL PLATE TO HOLLOW SECTIONS WITH BREATHER HOLES IF HOT DIPPED GALVANISED.

S10. PROVIDE HOOK BOLTS TO PURLINS ADJACENT TO BRACING MID POINTS TO CONTROL BRACE SAG.

S11. STRUCTURAL STEELWORK ERECTION IS TO BE CARRIED OUT TO AS3828 "GUIDELINES FOR THE ERECTION OF BUILDING STEELWORK" AND/OR NSW GOVERNMENT ADVISORY STANDARD. ALL STRUCTURAL STEELWORK SHALL BE SECURELY TEMPORARY BRACED BY THE 'BUILDER' AS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION.

S12. ALL BEAMS AND RAFTERS SHALL BE FABRICATED AND ERECTED WITH NATURAL CAMBER UP. ADDITIONAL CAMBERS OR PRESETS SHALL BE AS NOTED ON THE STRUCTURAL DRAWINGS.

S13. ALL STRUCTURAL STEELWORK MEMBERS SHALL BE SUPPLIED IN A SINGLE LENGTH. SPLICES SHALL ONLY BE PERMITTED ON LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS.

S14. WHERE IT IS PROPOSED TO USE STEEL NOT MANUFACTURED IN AUSTRALIA THEN CERTIFICATES SHOULD BE PROVIDED BY AN ACCREDITED INDEPENDANT AUTHORITY CERTIFYING COMPLIANCE WITH THE RELEVANT REQUIREMENTS OF AS4100 FOR THE GRADE OF STEEL SPECIFIED.

MASONRY

M01. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3700 AND OTHER RELEVANT CODES.

M02. MASONRY UNITS SHALL HAVE THE FOLLOWING MINIMUM CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTHS U.N.O.
– STRUCTURAL BRICKWORK f'uc = 20 MPa
– STRUCTURAL BLOCKWORK f'uc = 12 MPa

M03. MORTAR SHALL BE MIXED IN THE PROPORTIONS OF 1 CEMENT:0.25 LIME:3 SAND. MORTAR SHALL BE ALLOWED TO CURE FOR 3 DAYS MINIMUM BEFORE GROUTING. ALL ADDITIVES TO BE APPROVED BY THE 'ENGINEER'.

M04. GROUT FOR CORE FILLING SHALL HAVE A CHARACTERISTIC STRENGTH OF 20MPa WITH A SLUMP OF 230mm AND A MAXIMUM AGGREGATE SIZE OF 10mm, U.N.O. TESTING SHALL COMPLY WITH AS3600 FOR PROJECT ASSESSMENT.

M05. CLEAN–OUT OPENINGS SHALL BE PROVIDED AT THE BASE OF ALL CORES TO BE CORE FILLED. ADDITIONAL CLEAN–OUT OPENINGS ARE REQUIRED AT ALL HORIZONTAL BREAKS IN CONSTRUCTION.

M06. MORTAR FINS PROTRUDING FROM JOINTS SHALL BE REMOVED BEFORE GROUTING CORES.

M07. GROUT SHALL NOT BE POURED INTO CORES FROM ANY HEIGHT GREATER THAN 3m. STOP POUR 50mm BELOW TOP OF BLOCK TO PROVIDE KEY FOR THE FOLLOWING POUR.

M08. RODDING OR OTHER APPROVED MEANS SHALL BE USED TO ENSURE PROPER COMPACTION OF GROUT IN CORES.

M09. TEMPORARY BRACING SHALL BE PROVIDED TO WALLS AS NECESSARY TO MAINTAIN STABILITY DURING CONSTRUCTION.

M10. MASONRY SHALL NOT BE CONSTRUCTED ON SUSPENDED SLABS OR BEAMS UNTIL ALL FORMWORK AND PROPS HAVE BEEN REMOVED AND CONCRETE HAS ACHIEVED ADEQUATE STRENGTH.

M11. NON–LOADBEARING WALLS SHALL BE KEPT 20mm CLEAR OF SLAB AND BEAM SOFFITS FILL GAP WITH APPROVED COMPRESSIBLE MATERIAL.

M12. CONCRETE SLABS SUPPORTED ON UNREINFORCED MASONRY SHALL BE POURED ON GALVANISED METAL SLIP JOINT, OR EQUIVALENT, FOR EXTERNAL WALLS OR 2 LAYERS OF 0.2mm THICKNESS PVC FOR INTERNAL WALLS. TOP COURSE OF BRICKS SHALL BE LAID "FROGS" DOWN.

M13. CHASES, RECESSES AND RAKING OF JOINTS ARE NOT PERMITTED IN MASONRY WITHOUT THE 'ENGINEERS' WRITTEN APPROVAL.

M14. WHERE MASONRY ANCHORS ARE TO BE LOCATED IN HOLLOW BLOCKWORK, CORES SHALL BE GROUT FILLED.

M15. PROVIDE VERTICAL CONTROL JOINTS AT 10m MAX. CENTRES AND 5m MAX FROM CORNERS IN ALL MASONRY WALLS, U.N.O. PROVIDE TIES AT 600mm CENTRES INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

M16. REINFORCED CONCRETE BLOCKWORK TO HAVE 65mm COVER TO REINFORCEMENT FROM THE OUTSIDE FACES OF THE BLOCKWORK.

M17. ALL CAVITIES BELOW THE FINISHED GROUND LEVEL SHALL BE MORTAR OR GROUT FILLED.

STRUCTURAL TIMBER

T1. ALL STRUCTURAL TIMBER SHALL BE CONSTRUCTED, SIZED AND FIXED IN ACCORDANCE WITH THE CURRENT BUILDING CODE OF AUSTRALIA AND AS1684.

T2. ALTERNATIVE MEMBER SIZES AND GRADES MAY BE USED IN ACCORDANCE WITH AS1684 MEMBER SPAN TABLES.

T3. MEMBER SIZES ARE MINIMUM ONLY AND MAY BE INCREASED FOR AESTHETIC REASONS OR EASE OF CONSTRUCTION.

T4. ALL ROOF TRUSS DRAWINGS SHALL BE ISSUED TO THE ENGINEER PRIOR TO FABRICATION FOR CONFIRMATION OF BEAM / LINTEL SIZES AND TIE–DOWN REQUIREMENTS.

T5. ALL BRACING WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AS1684 OR THE RELEVANT MANUFACTURER'S SPECIFICATIONS. ALL INTERNAL WALLS SHALL BE ADEQUATELY FIXED TO THE CEILING / ROOF FRAME AS PER AS1684.

T6. IN ALL BOLTED STRUCTURAL TIMBER JOINTS, ALL STEEL BOLTS, AS SPECIFIED IN AS1111, SHALL BE FITTED INTO PREDRILLED TIMBER WITH THE BOLT HOLE DIAMETER 10% GREATER THAN THE BOLT DIAMETER AND FITTED WITH WASHERS TO AS1237. GALVANISED WASHERS SHALL BE PROVIDED IN ALL JOINTS WHERE STEEL PLATE DOES NOT PROTECT THE TIMBER.

REV	BY	DETAILS	DATE
00	JE	ISSUED FOR CONSTRUCTION	05/05/21

CLIENT
2-4 SPIRETON CLOSE
PENDLE HILL NSW 2145

ARCHITECT/ DESIGNER

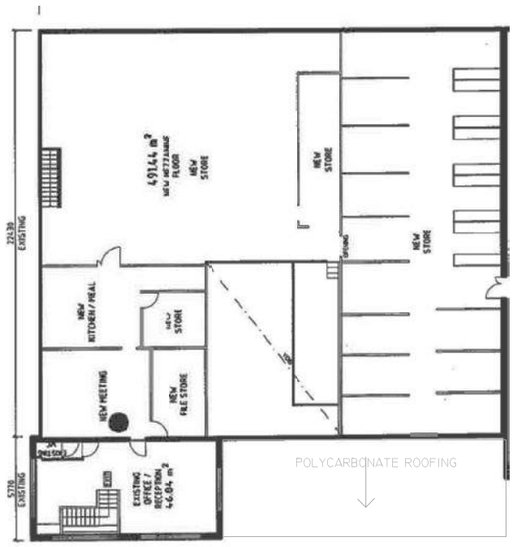
PROJECT
NEW AWNING ON EXISING WAREHOUSE
2-4 SPIRETON CLOSE PENDLE HILL NSW 2145

DRAWING TITLE
GENERAL NOTE

PAC CONSULTING
PAC Consulting
Specialist Civil & Structural Engineering Services
P4 ,38 Victoria Street, Epping, NSW 2121, Australia
Phone: (+61) 040 669 8387

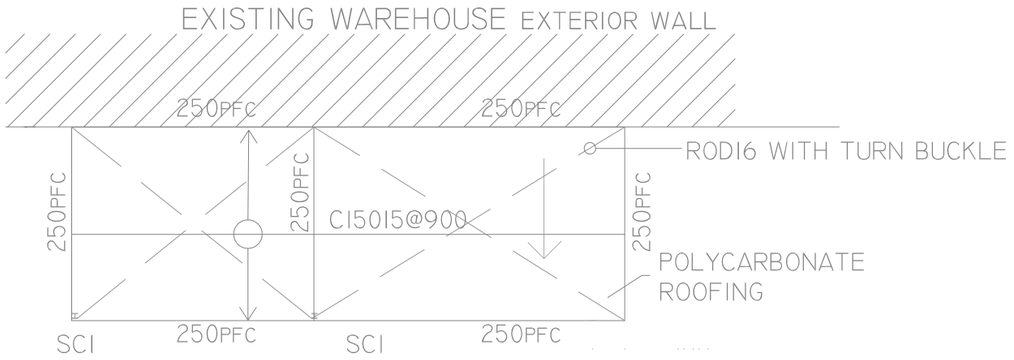
DRAWN	DESIGNED	PROJECT NUMBER	
	JE	210505	
CHECKED	APPROVED		
	JE	DRAWING NUMBER	REVISION
DATE	SCALE	S-00	00
MAY_2021	NONE		

DO NOT SCALE - USE FIGURED DIMENSIONS ONLY A3 ORIGINAL



KEY MAP

PROPOSED AWNING



PROPOSED AWNING

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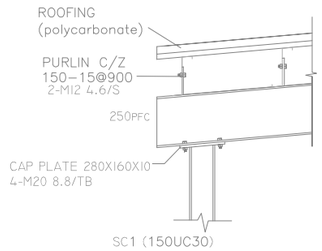

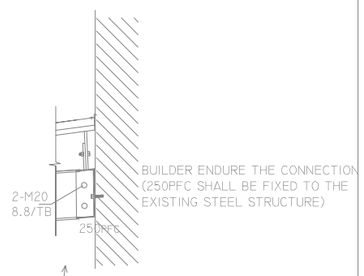

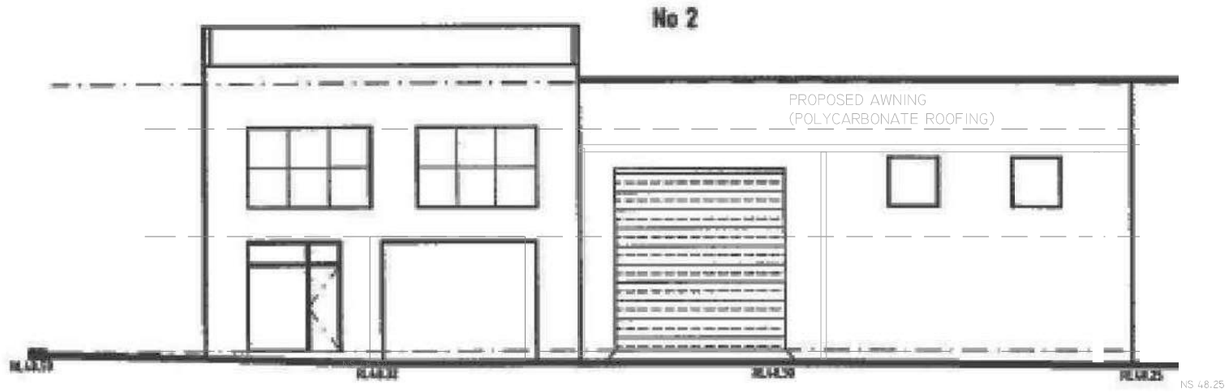

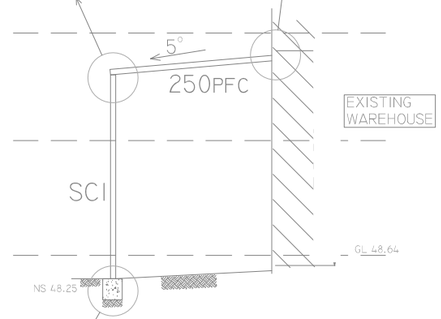

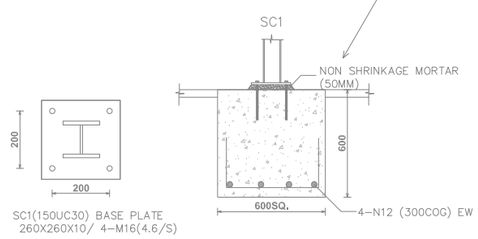

Complying Development Certificate
approved plan

CDC/FDA/61272
Dated 13/ 12/ 2021

Fast Development Approval
Accreditation No BDC04664

FOR CONSTRUCTION

APPROVED BY:
JOONSUNG EOM
CPEng, NER, MIEAust, RPEQ, M.Sc, B.Eng

REV	BY	DETAILS	DATE
00	JE	ISSUED FOR CONSTRUCTION	11/05/21

CLIENT: 2-4 SPIRETON CLOSE PENDLE HILL NSW 2145

ARCHITECT/ DESIGNER:

PROJECT: NEW AWNING ON EXISING WAREHOUSE
2-4 SPIRETON CLOSE PENDLE HILL NSW 2145

DRAWING TITLE: PROPOSED AWNING DETAIL

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