ADCO ITP Documentation

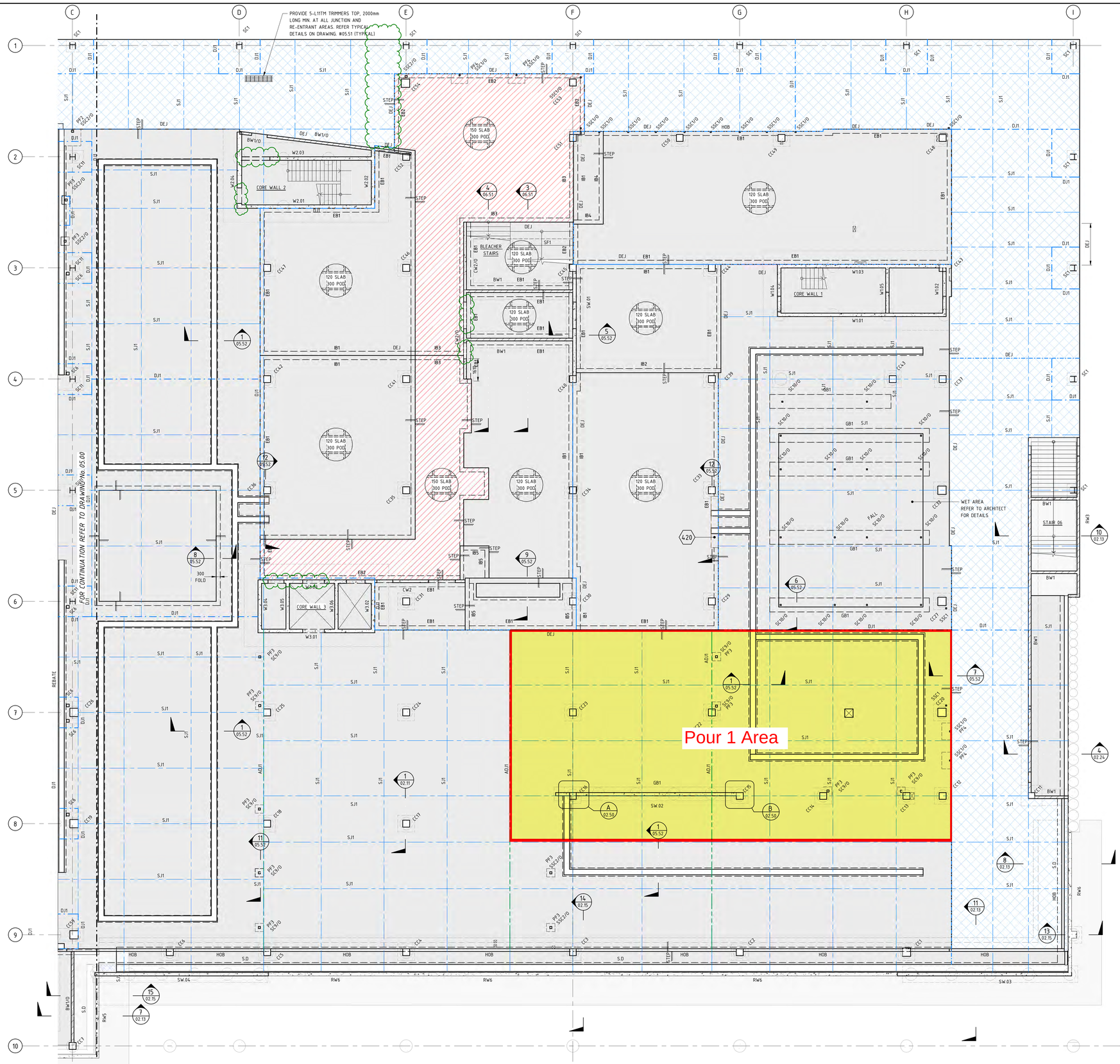
Trade Discipline: FRP

ADCO

LGF Pour 1a

Contents

SECTION 1



GENERAL NOTES:

FOR STRUCTURAL SPECIFICATIONS REFER TO DRAWINGS S00.11 AND S00.12.

CONCRETE SLAB STRENGTH TO BE f'c = 32MPa.

SLAB ON GRADE TO BE 160mm THICK WITH SL92 MESH TOP. POURED ON 0.2mm POLYTHENE SHEETING OVER 50mm SAND BLINDING LAYER. SAWCUTS TO BE AT A MAXIMUM SPACING OF 4,500mm IN BOTH DIRECTIONS FOR INTERNAL SLABS. EVERY FOURTH JOINT TO BE A DOWEL JOINT (DJ1).

UNLESS DENOTED OTHERWISE, 120mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL92 MESH TOP. 150mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL81 MESH TOP AND BOTTOM. INTERNAL RIBS TO BE AT A MAXIMUM 1200 CENTRES WITH 1N12 BOTTOM. CAST SLABS ON 300mm DEEP WAFFLE PODS PLACED ON 0.2mm POLYTHENE SHEETING ON A NOMINAL LEVELING LAYER OF SAND.

WAFFLE SLAB TO BE DESIGNED IN ACCORDANCE WITH AS2870 FOR CLASS H1 SITE.

2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

PROVIDE 400 DEEP x 400 WIDE THICKENING TO ALL NON-LOAD BEARING BLOCK WALLS NSOP.

ALL FALLS AND STEPS TO ARCHITECT'S DETAILS.

NON-STRUCTURAL HOBS & KERBS ARE NOT SHOWN, REFER TO ARCHITECT'S DRAWINGS FOR EXTENT & LOCATION.

REFER TO ARCHITECTS DRAWINGS FOR SPOON DRAIN AND GRATED DRAIN EXTENT AND LOCATIONS.

REFER TO ARCHITECTURAL DRAWINGS FOR SLAB JOINT LOCATION AND SETOUT.

LEGEND

- (200) — DENOTES CONCRETE THICKNESS
- REFER ARCHITECTURAL DRAWINGS FOR SETDOWN DIMENSION
- CW1 — DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
- BW1 — DENOTES LOAD BEARING MASONRY WALL OVER AND UNDER
- G.D — DENOTES GRATED DRAIN
- S.D — DENOTES SPOON DRAIN
- SJ1 — DENOTES SAWN JOINT
- DJ1 — DENOTES DOWELLED JOINT
- DEJ — DENOTES DOWELLED EXPANSION JOINT. REFER TO TYPICAL SOG DETAILS. PROVIDE DEJ AT ALL DOORWAYS AND OPENINGS
- ADJ1 — DENOTES ARMOURED DOWELLED JOINT
- GADJ1 — DENOTES GALVANISED ARMOURED DOWELLED JOINT
- DENOTES 100mm THICK UNBONDED TOPPING - SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS.
  - PROVIDE SL82 MESH TOP AND JOINT LOCATIONS TO MATCH BASE SLAB
  - PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB.
- DENOTES 30mm GRANOLITHIC TOPPING - REFER TO ARCHITECT FOR DETAILS.
  - ALLOW FOR JOINTS IN GRANO TOPPING TO BE REFLECTED AT ALL BASE SLAB JOINT LOCATIONS
- 120 SLAB 300 POD — DENOTES TOTAL DEPTH OF SLAB SYSTEM (SLAB & WAFFLE POD). ENSURE TO PROVIDE RIBS IN BOTH DIRECTIONS AT ALL RE-ENTRANT CORNERS & ENDS OF BEAMS.

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	N16-200 VERT & N16-200 HORIZ. EF
CORE-FILLED BLOCK		
BW1	190	PROVIDE N16-200 VERT & N12-200 HORIZ (CENTRAL TO WALL)
BW2	190	PROVIDE N16-200 VERT & N12-400 HORIZ (CENTRAL TO WALL)
BW3	190	PROVIDE N16-200 VERT & N16-200 HORIZ (CENTRAL TO WALL)
RETAINING WALL		
RW1	290	CORE FILLED, N16-200 VERTICAL, N16-200 HORIZONTAL
RW2	190	CORE FILLED, N20-200 VERTICAL, N16-400 HORIZONTAL
RW3	190	CORE FILLED, N16-200 VERTICAL, N16-400 HORIZONTAL
RW4	250	N16-200 VERTICAL, N12-200 HORIZONTAL EF
RW5	250	N20-150 VERTICAL, N20-200 HORIZONTAL. EF
RW6	250	N20-150 VERTICAL, N16-200 HORIZONTAL. EF

STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENT(S)
COLUMN		
SC1	400 WC 144 + 50X5 EA 100 LONG AT 1000 CTS EACH SIDE	FABRICATED STEEL SECTION WITH OFFSET WEB. CUSTOM BUILT. ALL PLATES TO BE FSBW AND GROUND FLUSH. REFER TO TYPICAL DETAIL
SC3	250 x 250 x 6.0 SHS	STUB COLUMN
SC4	150 x 50 x 6.0 RHS	2m MAX CENTRES, 2 HOURS FIRE RATED, ALLOW FOR 20 THICK BEARING PLATE TO UNDERSIDE OF BEAM
SC5	310 UC 118	
SC6	200 x 200 x 9.0 SHS	
SC7	200 UC 46.2	
SC8	100 x 100 x 5.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC10	89 x 89 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
W-SC1	200 UC 46.2	STEEL COLUMN TO BE 2 HR FIRE RATED TO ARCHITECTS DETAIL
W-SC2	100 x 100 x 6.0 SHS	
W-SC3	460 UB 67.1	

GROUND BEAM SCHEDULE

MARK	SIZE	COMMENT(S)
EDGE BEAM		
EB1	420 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
EB2	450 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
GROUND BEAM		
GB1	500 DEEP x 1000 WIDE	6N16 TOP AND BTM. 2N12-300 TIES.
INTERNAL BEAM		
IB1	420 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB2	495 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB3	450 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB4	540 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB5	485 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
2	RE-ISSUED FOR CONSTRUCTION	RS		TM	25.02.22
3	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	04.03.22
4	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	10.03.22
5	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.03.22
6	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	08.04.22
7	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	14.04.22

ARCHITECT
GRAY PUKSAND

CLIENT
NSW GOVERNMENT TAFE NSW

PROJECT
TAFE NSW CONSTRUCTION CENTRE OF EXCELLENCE
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

DRAWING TITLE
STRUCTURAL DRAWING LOWER GROUND FLOOR SLAB PLAN - GRID C-I

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-05.01	
	DRAWING SHEET SIZE = A0	REVISION 7

FOR CONSTRUCTION

DRAWN: ROBERT STEVENS DESIGNED: TRUDY MYERS JOB MANAGER: TRUDY MYERS VERIFIER: NICHOLAS BOEY

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	03.05.2022

To	Cop	Company	Attention
X		ADCO	GEORGE AWAD

Site visit requested by: GEORGE AWAD
Reason for visit: SLAB ON GROUND POUR 1

We confirm, having inspected the above, at the time of inspection, work was found to be in general accordance with the structural intent with exception to the below items:

1- Install trimmer bars top and bottom around columns and walls
2- Install reinforcement for local thickening at the roller door entry
3- Install top mesh.

General:

- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. AWE are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature: Received: 04.05.2022

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: TAFE IATC KINGSWOOD

Principal Contractor: ADCO Constructions

Pour Location: LGF Pour 1

Prepared by: Munkhdemberel

Pour Date: 2022.05.04

Check/Inspections Required	Please Circle	Comments
Subcontractor is working from the latest drawings & documentation	(Yes)/No/ Not required	
Reinforcement installed as documented, or as engineers instructions	(Yes)/No/ Not required	
Cover is adequate as per structural engineers design	(Yes)/No/ Not required	
Minimum lap / splice requirements achieved	(Yes)/No/ Not required	
Bar caps placed over vertical reinforcements elements	(Yes)/No/ Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes)/No/ Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes)/No/ Not required	

Mesh over deep beam sections as per project requirements	**Yes/No/ Not required**
Reinforcement independently chaired	**Yes/No/ Not required**

Checklist Closed Out:

Foreman / Supervisor:

Date: 2022.05.04

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

ITP No. 3

PROJECT: TAFE NSW KINGSWOOD

DATE: 4/5/2022

WORK AREA: POUR 1A 1ST HALF

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder			
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	3/5	DR	
2	**DRAWING NUMBERS USED:** A 1950 Rev [redacted] 10 ST-C1-05.01 Rev 7	TF	3/5	DR	
3	**Send highlighted drawings to office**	TF	/	/	/
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	3/5	DR	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	3/5	DR	
6	Clean area	TF	/	/	N/A
7	**HANDOVER**	TF	/	/	N/A
* 8	**Reo Installation**	Builder	3/5	RT	
* Hold	**Reinforcement Inspection by Builder**	Builder	3/5	RT	
* Witness	**Check quality of formwork (ply/timber) used**	Builder	4/5	RT.	
9	Install set downs - Sign off	TF	4/5	DR	
10	Install sleeves	TF	3/5	DR	
11	Install cast-ins	TF	4/5	DR	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	4/5	DR	
13	Formwork Engineer inspection if required	TF	/	/	N/A
14	Rectify any Engineers comments	TF	/	/	
15	Clean deck	TF	/	/	
* Hold	**Formwork Inspection by Builder for Sign off**	Builder	4/5	RT.	
16	**Concrete Pour**		4/5	DR	

Comments

SECTION 5

Adco Constructions Pty Ltd - ADCO
Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

(4-May-2022)

ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	F-I
Drawings	
Drawing No	DWG-A-1950
Rev No	10
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	Yes
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Inspection
Formworkers to check column base is free from debris (Visual Check)	Inspection

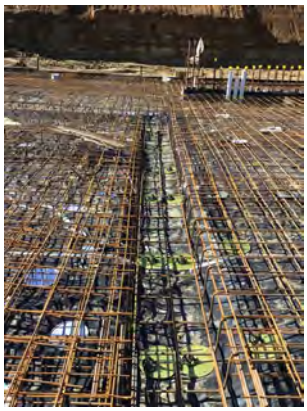
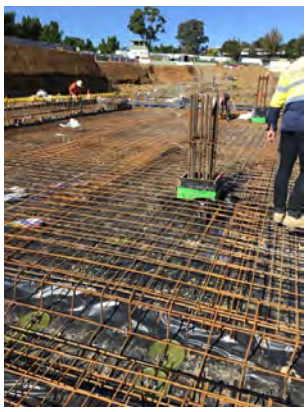
Check surface finish is acceptable (Against drawings/specifications)

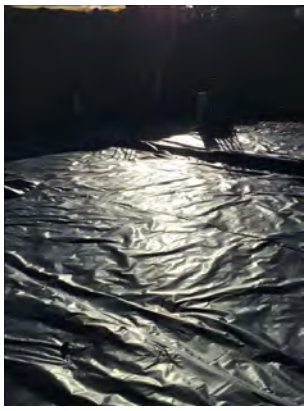
Inspection

Comments

Slab 156mm sub grade low slab is 250mm Key joint are high in areas be fix as we pour

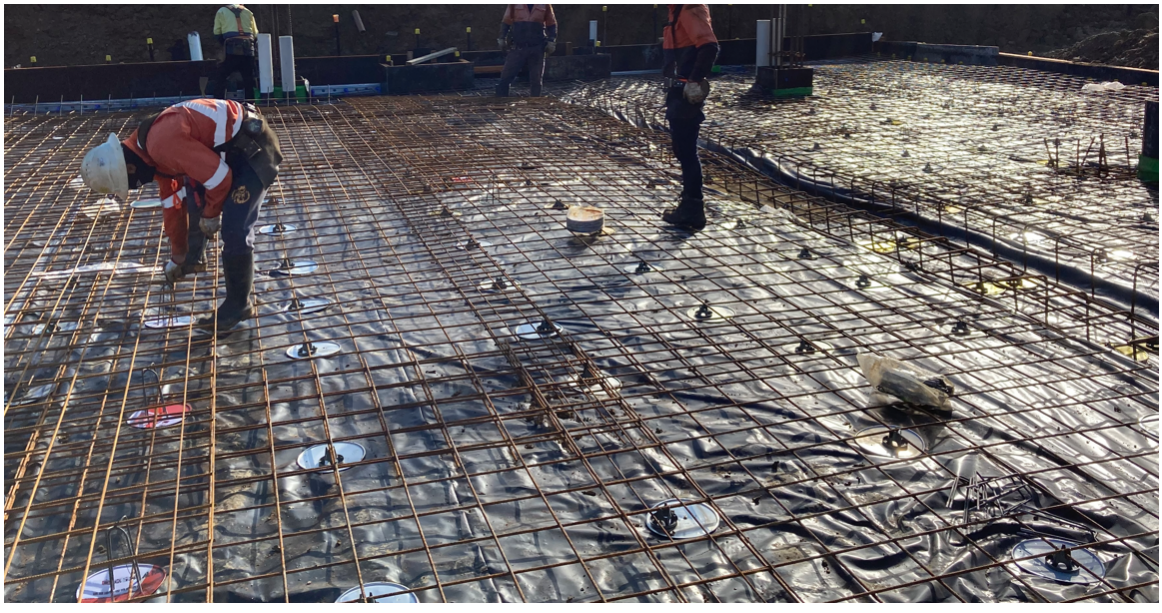
Photos

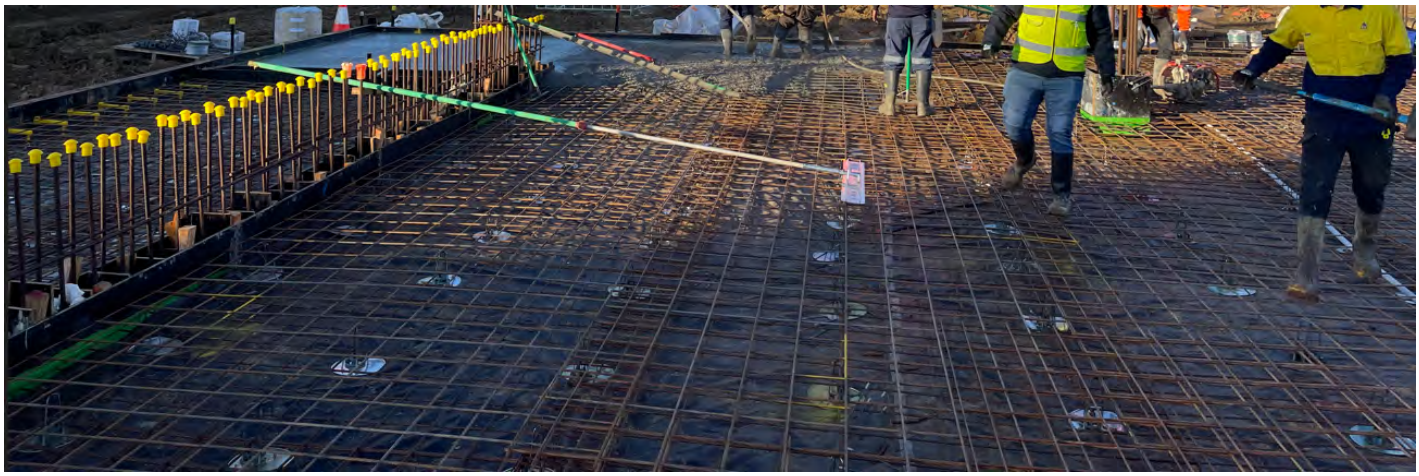




SECTION 6


KOBELCO





ADCO ITP Documentation

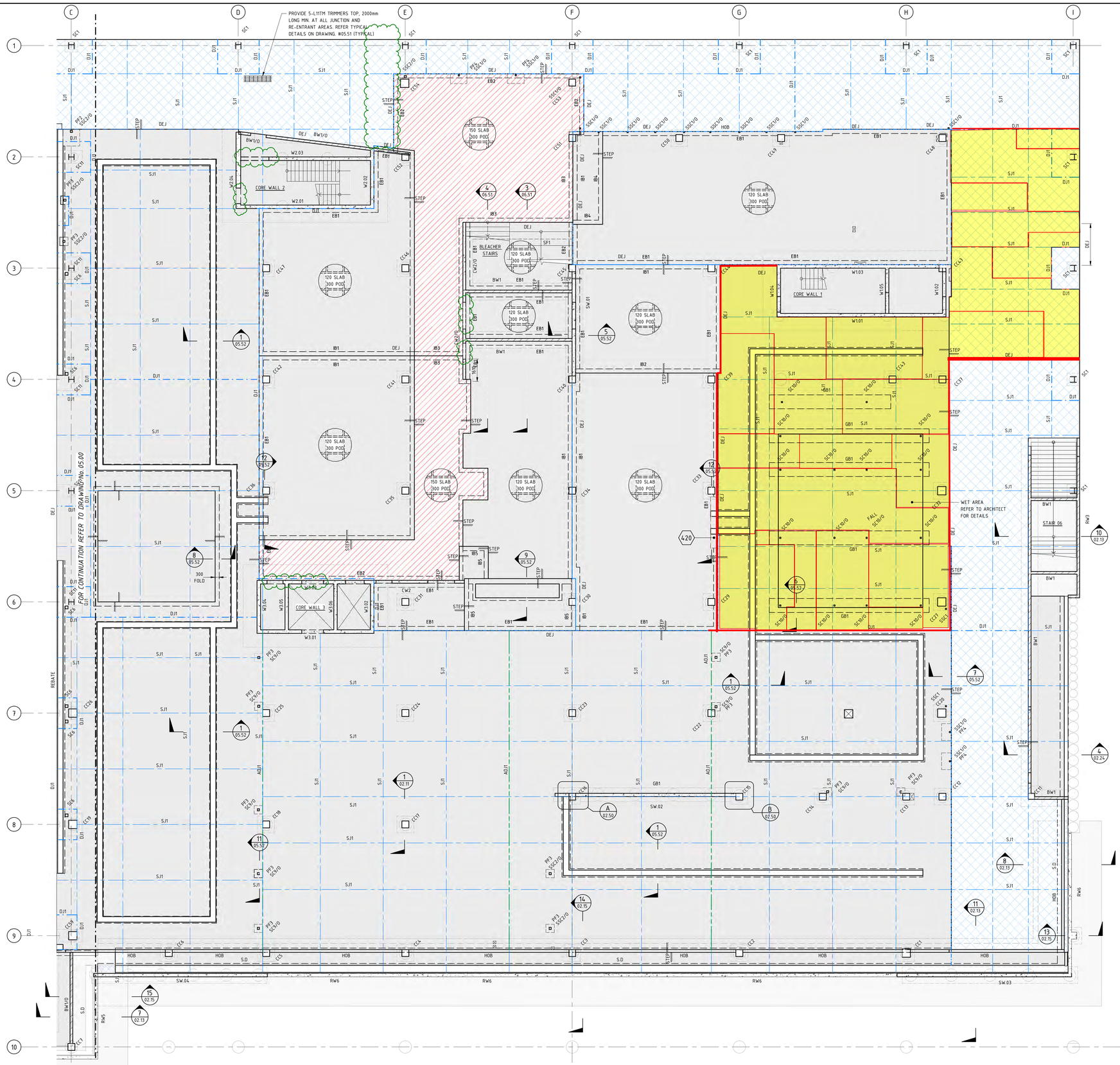
Trade Discipline: FRP

ADCO

LGF Pour 1b

Contents

SECTION 1



LOWER GROUND FLOOR SLAB PLAN - GRID C - I

GENERAL NOTES:

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CONCRETE SLAB STRENGTH TO BE f'c = 32MPa.

SLAB ON GRADE TO BE 160mm THICK WITH SL92 MESH TOP. POURED ON 0.2mm POLYTHENE SHEETING OVER 50mm SAND BLINDING LAYER. SAWCUTS TO BE AT A MAXIMUM SPACING OF 4,500mm IN BOTH DIRECTIONS FOR INTERNAL SLABS. EVERY FOURTH JOINT TO BE A DOWEL JOINT (DJ1).

UNLESS DENOTED OTHERWISE, 120mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL92 MESH TOP. 150mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL81 MESH TOP AND BOTTOM. INTERNAL RIBS TO BE AT A MAXIMUM 1200 CENTRES WITH 1N12 BOTTOM. CAST SLABS ON 300mm DEEP WAFFLE PODS PLACED ON 0.2mm POLYTHENE SHEETING ON A NOMINAL LEVELING LAYER OF SAND.

WAFFLE SLAB TO BE DESIGNED IN ACCORDANCE WITH AS2870 FOR CLASS H1 SITE.

2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

PROVIDE 400 DEEP x 400 WIDE THICKENING TO ALL NON-LOAD BEARING BLOCK WALLS NSOP

ALL FALLS AND STEPS TO ARCHITECT'S DETAILS.

NON-STRUCTURAL HOBS & KERBS ARE NOT SHOWN, REFER TO ARCHITECT'S DRAWINGS FOR EXTENT & LOCATION.

REFER TO ARCHITECTS DRAWINGS FOR SPOON DRAIN AND GRATED DRAIN EXTENT AND LOCATIONS.

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LEGEND

- (200) — DENOTES CONCRETE THICKNESS
- REFER ARCHITECTURAL DRAWINGS FOR SETDOWN DIMENSION
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- BW1 — DENOTES LOAD BEARING MASONRY WALL OVER AND UNDER
- G.D — DENOTES GRATED DRAIN
- S.D — DENOTES SPOON DRAIN
- SJ1 — DENOTES SAWN JOINT
- DJ1 — DENOTES DOWELLED JOINT
- DEJ — DENOTES DOWELLED EXPANSION JOINT. REFER TO TYPICAL SOG DETAILS. PROVIDE DEJ AT ALL DOORWAYS AND OPENINGS
- ADJ1 — DENOTES ARMOURED DOWELLED JOINT
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- DENOTES 100mm THICK UNBONDED TOPPING - SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS.
  - PROVIDE SL82 MESH TOP AND JOINT LOCATIONS TO MATCH BASE SLAB
  - PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB.
- DENOTES FROM 30mm GRANOLITHIC TOPPING - REFER TO ARCHITECT FOR DETAILS.
  - ALLOW FOR JOINTS IN GRANO TOPPING. TO BE REFLECTED AT ALL BASE SLAB JOINT LOCATIONS
- 120 SLAB 300 POD — DENOTES TOTAL DEPTH OF SLAB SYSTEM (SLAB & WAFFLE POD). ENSURE TO PROVIDE RIBS IN BOTH DIRECTIONS AT ALL RE-ENTRANT CORNERS & ENDS OF BEAMS.

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	N16-200 VERT & N16-200 HORIZ. EF
CORE-FILLED BLOCK		
BW1	190	PROVIDE N16-200 VERT & N12-200 HORIZ (CENTRAL TO WALL)
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COLUMN		
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SC6	200 x 200 x 9.0 SHS	
SC7	200 UC 46.2	
SC8	100 x 100 x 5.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC10	89 x 89 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
W-SC1	200 UC 46.2	STEEL COLUMN TO BE 2 HR FIRE RATED TO ARCHITECTS DETAIL
W-SC2	100 x 100 x 6.0 SHS	
W-SC3	460 UB 67.1	

GROUND BEAM SCHEDULE

MARK	SIZE	COMMENT(S)
EDGE BEAM		
EB1	420 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
EB2	450 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
GROUND BEAM		
GB1	500 DEEP x 1000 WIDE	6N16 TOP AND BTM. 2N12-300 TIES.
INTERNAL BEAM		
IB1	420 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
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6	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	08.04.22
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ARCHITECT

GRAY PUKSAND

CLIENT

NSW GOVERNMENT TAFE NSW

PROJECT

TAFE NSW CONSTRUCTION CENTRE OF EXCELLENCE
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

DRAWING TITLE

STRUCTURAL DRAWING LOWER GROUND FLOOR SLAB PLAN - GRID C-I

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-05.01	
	DRAWING SHEET SIZE = A0	REVISION 7

FOR CONSTRUCTION

DRAWN: ROBERT STEVENS DESIGNED: TRUDY MYERS JOB MANAGER: TRUDY MYERS VERIFIER: NICHOLAS BIXEY

SECTION 2

NORTHROP

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	05.05.22

To	Copy	Company	Attention
X		ADCO	GEORGE AWAD

Site visit requested by: GEORGE AWAD

Reason for visit: LGF SOG POUR 1B

Northrop confirms receiving inspection photos for the above item. At time of review, works generally appeared in accordance with our drawings and design intent. Ok to pour subject to the following items.

1. Typically complete installation of top mesh reinforcement. At time of photos works were still incomplete.

2. Ensure every second mesh wire is cut along all SJ locations. This is not evident in the photos provided.

3. Install trimmer bars around all column blockouts as per structural details.

4. Ensure top mesh installed to electrical trenching. Photo is unclear, but it appears this has been missed.

5. North DEJ dowels appear set too high. Dowels should be positioned at midheight of lower external base slab as per Section 7 drawing 05.52.

6. Install thickening reo (L bars and longitudinal bars) to slab edge as per Section 7 drawing 05.52 (North DEJ)

7. Ensure all dowel sleeves are installed are installed horizontally and at correct spacing. Eastern joint dowel sleeves do not appear flat and spaced too far apart. Dowel type and spacing should conform to our dowel schedule or another approved equivalent. Please confirm size and spacing of these dowels.

8. Flatten bunched up plastic sheeting. Any areas of bunched up excess material should be flattened and taped down.

Generally:

- Ensure any debris or rubbish is removed prior to pouring.
- Maintain specified cover throughout pour.

Provide closeout photos of the above items.

From: Jim Yu Signature: Received: EMAIL

Site safety remains the responsibility of the builder. Any inspection carried out by Northrop Consulting Engineers Pty Ltd does not relieve the Contractor of their responsibility to construct the structure in accordance with the drawings and specifications. Statements set out here do not relieve the Contractor of his obligations to obtain approvals from authorities having jurisdiction over the works. This does not constitute authorisation for a contract variation unless stated in the instruction. No claim will be accepted unless approval of variation is obtained before any work proceeds.

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: TAFE IATC KINGSWOOD

Principal Contractor: ADCO Constructions

Pour Location: LGF Pour 16

Prepared by: Munkhdemberel

Pour Date: 2022.05.06

Check/Inspections Required	Please Circle	Comments
Subcontractor is working from the latest drawings & documentation	(Yes)/No/ Not required	
Reinforcement installed as documented, or as engineers instructions	(Yes)/No/ Not required	
Cover is adequate as per structural engineers design	(Yes)/No/ Not required	
Minimum lap / splice requirements achieved	(Yes)/No/ Not required	
Bar caps placed over vertical reinforcements elements	(Yes)/No/ Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes)/No/ Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes)/No/ Not required	

Mesh over deep beam sections as per project requirements	**Yes/No/ Not required**
Reinforcement independently chaired	**Yes/No/ Not required**

Checklist Closed Out:

Foreman / Supervisor:

Date: 2022.05.06

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

ITP No. 4

PROJECT: TAFE NSW KINGSWOOD

DATE: 6/5/2022

WORK AREA: POUR 1A & HALF OF 1B S.O.G

SUPERVISOR: DANIEL KOS

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder			
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	6/5	DK	
2	**DRAWING NUMBERS USED:** A 1950 REV 10 ST-DWG-C1-05.01 REV 7	TF	6/5	DK	
3	**Send highlighted drawings to office**	TF	6/5	DK	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	6/5	DK	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	6/5	DK	
6	Clean area	TF	6/5	DK	
7	**HANDOVER**	TF	6/5	DK	
8	**Reo Installation**	Builder *	6/5	RG	
Hold	**Reinforcement Inspection by Builder**	Builder *	6/5	RG	
Witness	**Check quality of formwork (ply/timber) used**	Builder *	6/5	RG	
9	Install set downs - Sign off	TF	6/5	DK	
10	Install sleeves	TF	6/5	DK	
11	Install cast-ins	TF	/	/	N/A
12	Sent ITP to office (projects@transformnsw.com.au)	TF	6/5	DK	
13	Formwork Engineer inspection if required	TF	/	/	N/A
14	Rectify any Engineers comments	TF	/	/	N/A
15	Clean deck	TF	/	/	N/A
Hold	**Formwork Inspection by Builder for Sign off**	Builder *	6/5	RG	
16	**Concrete Pour**		6/5	DK	

Comments

SECTION 5

Adco Constructions Pty Ltd - ADCO
Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

(6-May-2022)

ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	Pour 1 B
Drawings	
Drawing No	DWG-A-1950
Rev No	10
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	Yes
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Witness
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Inspection
Formworkers to check column base is free from debris (Visual Check)	Inspection

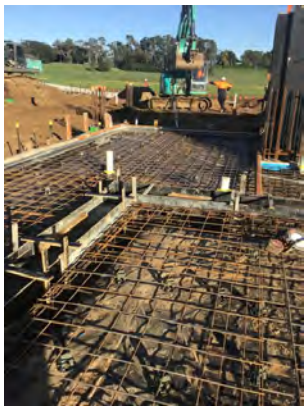
Check surface finish is acceptable (Against drawings/specifications)

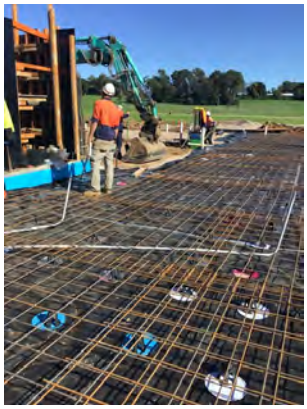
Inspection

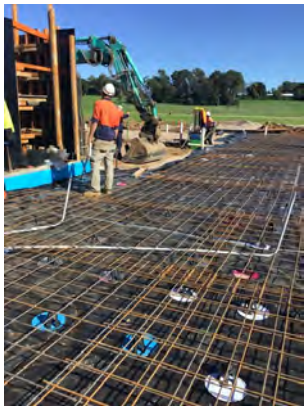
Comments

Formwork and steel fixes still working on slab

Photos





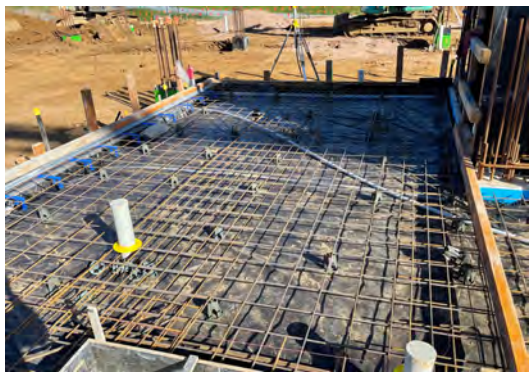


Authorisations

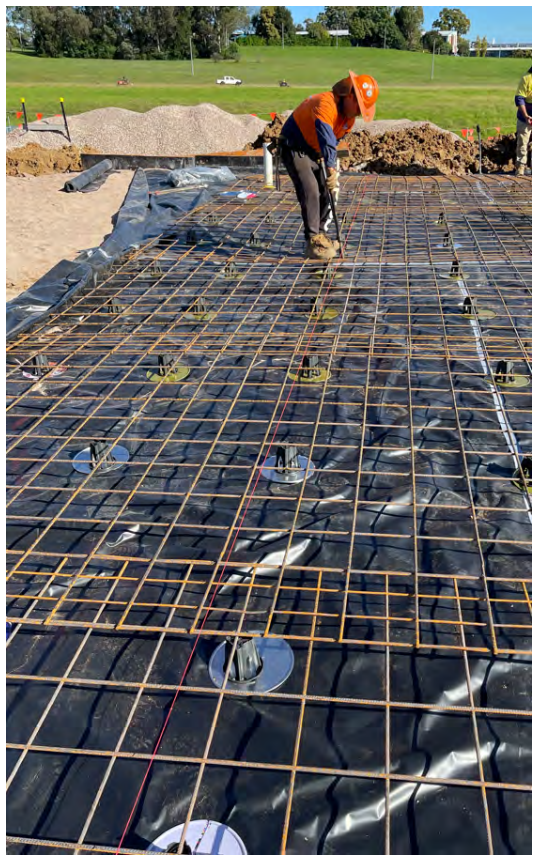
Client & Traino Group confirmation of inspection (where applicable)

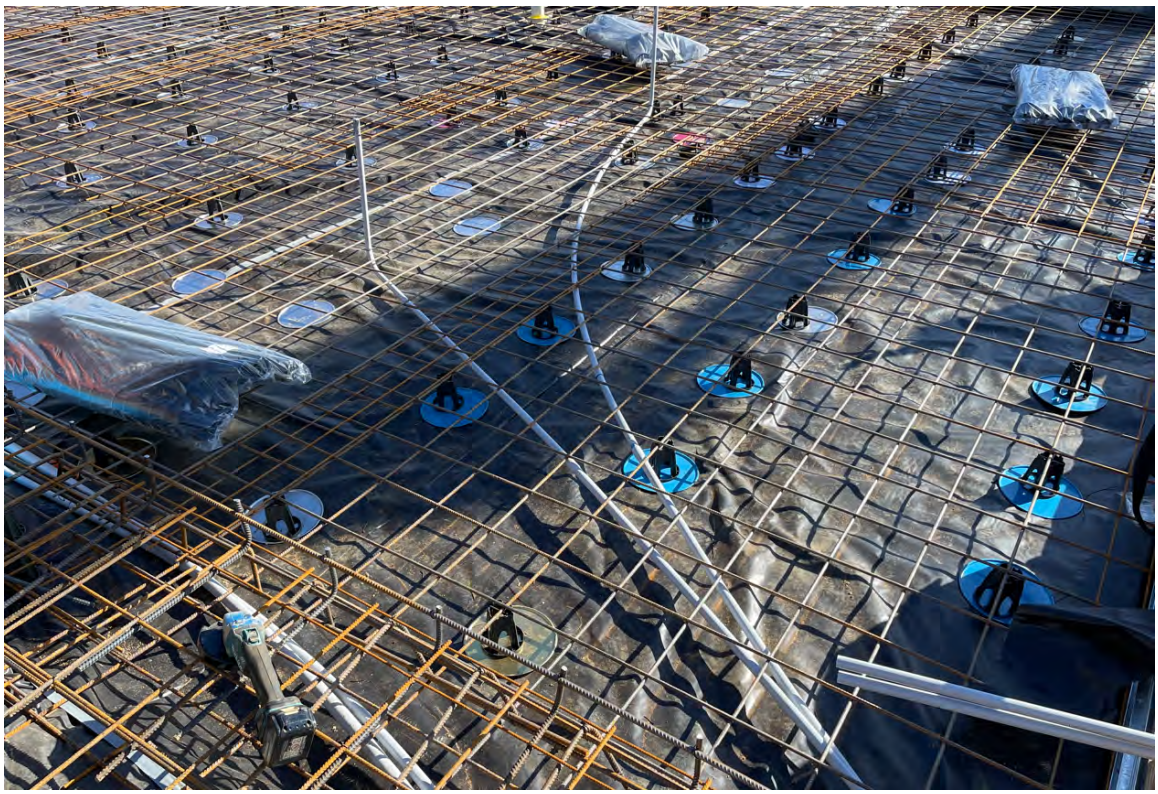
Traino Staff member	Steve Simeti
Traino Staff signature	
Date	6/05/2022
Accepted By (client representative name)	Robert
Signature	
Date	6/05/2022

SECTION 6




BOOM ARM
ABOVE





ADCO ITP Documentation

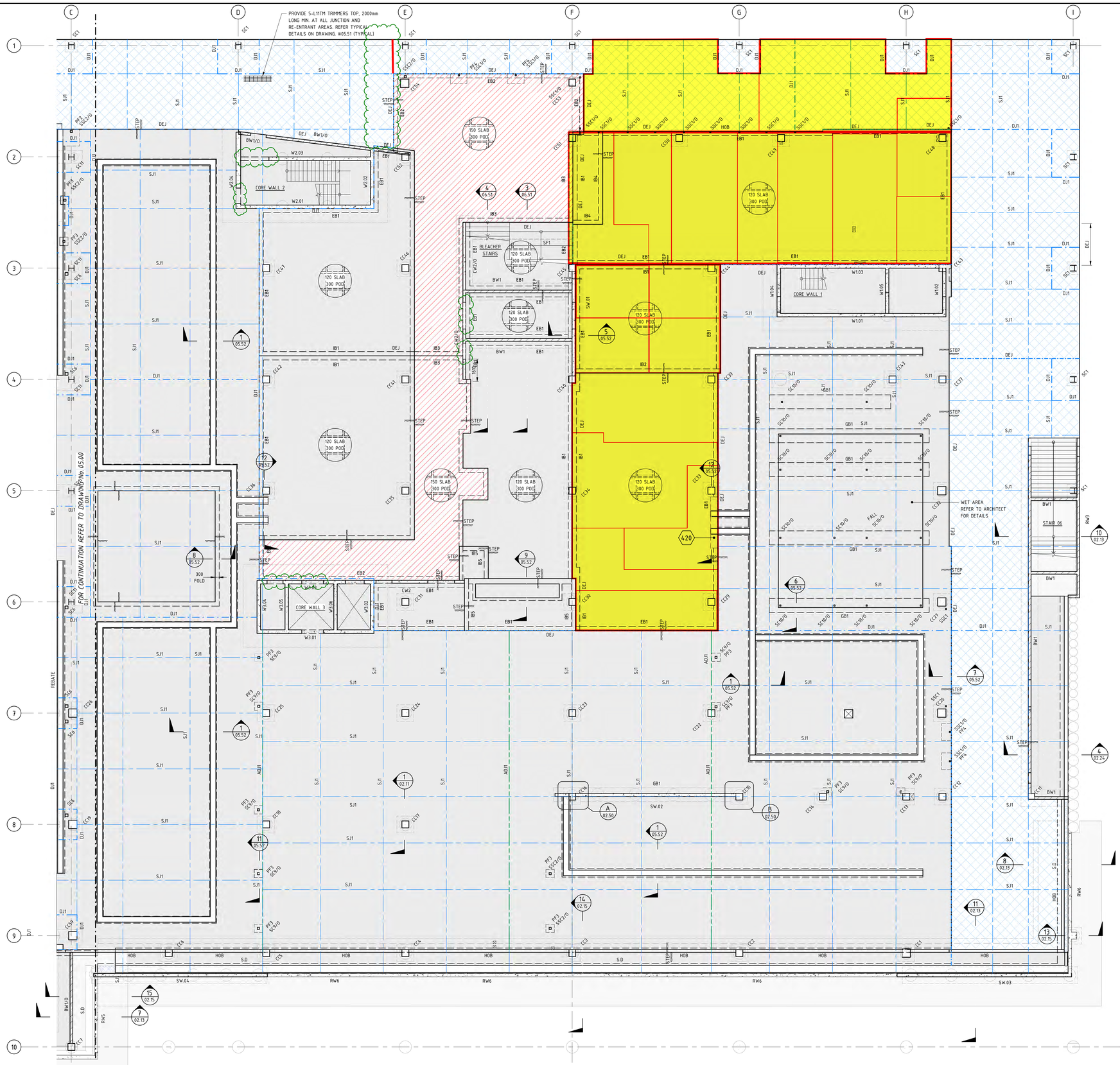
Trade Discipline: FRP

ADCO

LGF Pour 2

Contents

SECTION 1



LOWER GROUND FLOOR SLAB PLAN - GRID C - I

GENERAL NOTES:

FOR STRUCTURAL SPECIFICATIONS REFER TO DRAWINGS S00.11 AND S00.12.

CONCRETE SLAB STRENGTH TO BE f'c = 32MPa.

SLAB ON GRADE TO BE 160mm THICK WITH SL92 MESH TOP. POURED ON 0.2mm POLYTHENE SHEETING OVER 50mm SAND BLINDING LAYER. SAWCUTS TO BE AT A MAXIMUM SPACING OF 4500mm IN BOTH DIRECTIONS FOR INTERNAL SLABS. EVERY FOURTH JOINT TO BE A DOWEL JOINT (DJ1).

UNLESS DENOTED OTHERWISE, 120mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL92 MESH TOP. 150mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL81 MESH TOP AND BOTTOM. INTERNAL RIBS TO BE AT A MAXIMUM 1200 CENTRES WITH N12 BOTTOM. CAST SLABS ON 300mm DEEP WAFFLE PODS PLACED ON 0.2mm POLYTHENE SHEETING ON A NOMINAL LEVELING LAYER OF SAND.

WAFFLE SLAB TO BE DESIGNED IN ACCORDANCE WITH AS2870 FOR CLASS H1 SITE.

2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

PROVIDE 400 DEEP x 400 WIDE THICKENING TO ALL NON-LOAD BEARING BLOCK WALLS NSOP.

ALL FALLS AND STEPS TO ARCHITECT'S DETAILS.

NON-STRUCTURAL HOBS & KERBS ARE NOT SHOWN, REFER TO ARCHITECT'S DRAWINGS FOR EXTENT & LOCATION.

REFER TO ARCHITECTS DRAWINGS FOR SPOON DRAIN AND GRATED DRAIN EXTENT AND LOCATIONS.

REFER TO ARCHITECTURAL DRAWINGS FOR SLAB JOINT LOCATION AND SETOUT.

LEGEND

- (200) — DENOTES CONCRETE THICKNESS
- REFER ARCHITECTURAL DRAWINGS FOR SETDOWN DIMENSION
- CW1 — DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
- BW1 — DENOTES LOAD BEARING MASONRY WALL OVER AND UNDER
- G.D — DENOTES GRATED DRAIN
- S.D — DENOTES SPOON DRAIN
- SJ1 — DENOTES SAWN JOINT
- DJ1 — DENOTES DOWELLED JOINT
- DEJ — DENOTES DOWELLED EXPANSION JOINT. REFER TO TYPICAL SOG DETAILS. PROVIDE DEJ AT ALL DOORWAYS AND OPENINGS
- ADJ1 — DENOTES ARMOURED DOWELLED JOINT
- GADJ1 — DENOTES GALVANISED ARMOURED DOWELLED JOINT
- DENOTES 100mm THICK UNBONDED TOPPING - SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS.
  - PROVIDE SL82 MESH TOP AND JOINT LOCATIONS TO MATCH BASE SLAB
  - PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB.
- DENOTES FOR 30mm GRANOLITHIC TOPPING - REFER TO ARCHITECT FOR DETAILS.
  - ALLOW FOR JOINTS IN GRANO TOPPING TO BE REFLECTED AT ALL BASE SLAB JOINT LOCATIONS
- 120 SLAB 300 POD — DENOTES TOTAL DEPTH OF SLAB SYSTEM (SLAB & WAFFLE POD). ENSURE TO PROVIDE RIBS IN BOTH DIRECTIONS AT ALL RE-ENTRANT CORNERS & ENDS OF BEAMS.

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	N16-200 VERT & N16-200 HORIZ. EF
CORE-FILLED BLOCK		
BW1	190	PROVIDE N16-200 VERT & N12-200 HORIZ (CENTRAL TO WALL)
BW2	190	PROVIDE N16-200 VERT & N12-400 HORIZ (CENTRAL TO WALL)
BW3	190	PROVIDE N16-200 VERT & N16-200 HORIZ (CENTRAL TO WALL)
RETAINING WALL		
RW1	290	CORE FILLED, N16-200 VERTICAL, N16-200 HORIZONTAL
RW2	190	CORE FILLED, N20-200 VERTICAL, N16-400 HORIZONTAL
RW3	190	CORE FILLED, N16-200 VERTICAL, N16-400 HORIZONTAL
RW4	250	N16-200 VERTICAL, N12-200 HORIZONTAL EF
RW5	250	N20-150 VERTICAL, N20-200 HORIZONTAL. EF
RW6	250	N20-150 VERTICAL, N16-200 HORIZONTAL. EF

STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENT(S)
COLUMN		
SC1	400 WC 144 + 50X5 EA 100 LONG AT 1000 CTS EACH SIDE	FABRICATED STEEL SECTION WITH OFFSET WEB. CUSTOM BUILT. ALL PLATES TO BE FSBW AND GROUND FLUSH. REFER TO TYPICAL DETAIL
SC3	250 x 250 x 6.0 SHS	STUB COLUMN
SC4	150 x 50 x 6.0 RHS	2m MAX CENTRES, 2 HOURS FIRE RATED, ALLOW FOR 20 THICK BEARING PLATE TO UNDERSIDE OF BEAM
SC5	310 UC 118	
SC6	200 x 200 x 9.0 SHS	
SC7	200 UC 46.2	
SC8	100 x 100 x 5.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC10	89 x 89 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
W-SC1	200 UC 46.2	STEEL COLUMN TO BE 2 HR FIRE RATED TO ARCHITECTS DETAIL
W-SC2	100 x 100 x 6.0 SHS	
W-SC3	460 UB 67.1	

GROUND BEAM SCHEDULE

MARK	SIZE	COMMENT(S)
EDGE BEAM		
EB1	420 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
EB2	450 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
GROUND BEAM		
GB1	500 DEEP x 1000 WIDE	6N16 TOP AND BTM. 2N12-300 TIES.
INTERNAL BEAM		
IB1	420 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB2	495 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB3	450 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB4	540 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS
IB5	485 DEEP x 300 WIDE	3-L11TM BTM, R6-500 LIGS

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
2	RE-ISSUED FOR CONSTRUCTION	RS		TM	25.02.22
3	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	04.03.22
4	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	10.03.22
5	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.03.22
6	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	08.04.22
7	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	14.04.22

ARCHITECT
GRAY PUKSAND

CLIENT
NSW GOVERNMENT TAFE NSW

PROJECT
TAFE NSW CONSTRUCTION CENTRE OF EXCELLENCE
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

DRAWING TITLE
STRUCTURAL DRAWING LOWER GROUND FLOOR SLAB PLAN - GRID C-I

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-05.01	
	DRAWING SHEET SIZE = A0	REVISION 7

FOR CONSTRUCTION

DRAWN: ROBERT STEVENS DESIGNED: TRUDY MYERS JOB MANAGER: TRUDY MYERS VERIFIER: NICHOLAS BOEY

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	11.05.2022

To	Cop	Company	Attention
X		ADCO	GEORGE AWAD

Site visit requested by: GEORGE AWAD
Reason for visit: SLAB ON GROUND POUR 2

We confirm, having inspected the above, at the time of inspection, work was found to be in general accordance with the structural intent with exception to the below items:

1. Trimmer around penos penetration slab which results in cutting mesh
2. 2N12 bars where trench mesh is cut (at three locations)
3. Trimmer bars around columns
4. Trimmer bars around column
5. 2 Z-Bars at horizontal step in beam
6. Trench mesh discontiniuty. Install additional mesh and lap
7. Local widening required due to conduits penetrating edge beam. Cut waffle pods to mind 250 and install 2N12 BTM
8. Trench mesh to lap and join at the corner
9. Trimmer bars around bars
10. Half of pour 2 Western side not yet complete. Send photos for approval prior to pouring concrete.

General:

- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. ADCO are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature: Received: 11.05.2022

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: TAFE IATC KINGSWOOD

Pour Location: LGF Pour 2

Pour Date: 2022.05.12

Principal Contractor: ADCO Constructions

Prepared by: Munkhdemberel

Check/Inspections Required	Please Circle	Comments
Subcontractor is working from the latest drawings & documentation	(Yes)/No/ Not required	
Reinforcement installed as documented, or as engineers instructions	(Yes)/No/ Not required	
Cover is adequate as per structural engineers design	(Yes)/No/ Not required	
Minimum lap / splice requirements achieved	(Yes)/No/ Not required	
Bar caps placed over vertical reinforcements elements	(Yes)/No/ Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes)/No/ Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes)/No/ Not required	

Mesh over deep beam sections as per project requirements	**(Yes)/No/ Not required**
Reinforcement independently chaired	**(Yes)/No/ Not required**

Checklist Closed Out:

Foreman / Supervisor:

Date: 2022.05.12

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: POUR 2 + POUR 18

ITP No. 5

DATE: 12/5/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	/	/	/
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	12/5	DR	
2	**DRAWING NUMBERS USED:** A 1950 REV 11 ST-C1-05.01 Rev 7	TF	12/5	DR	
3	**Send highlighted drawings to office**	TF	12/5	DR	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	12/5	DR	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	12/5	DR	
6	Clean area	TF	12/5	DR	
7	**HANDOVER**	TF	12/5	DR	
8	**Reo Installation**	Builder	11/5		
Hold	**Reinforcement Inspection by Builder**	Builder	11/5		
Witness	**Check quality of formwork (ply/timber) used**	Builder	11/5		
9	Install set downs - Sign off	TF	12/5	DR	
10	Install sleeves	TF	12/5	DR	
11	Install cast-ins	TF	/	/	/
12	Sent ITP to office (projects@transformnsw.com.au)	TF	12/5	DR	
13	Formwork Engineer inspection if required	TF	/	/	/
14	Rectify any Engineers comments	TF	/	/	/
15	Clean deck	TF	/	/	/
Hold	**Formwork Inspection by Builder for Sign off**	Builder			
16	**Concrete Pour**		12/5	DR	

Comments

SECTION 5

Adco Constructions Pty Ltd - ADCO
Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

(12-May-2022)

ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	Pour 1C/ pour 2
Drawings	
Drawing No	DWG-A1950
Rev No	10
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	Yes
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Inspection
Formworkers to check column base is free from debris (Visual Check)	Inspection

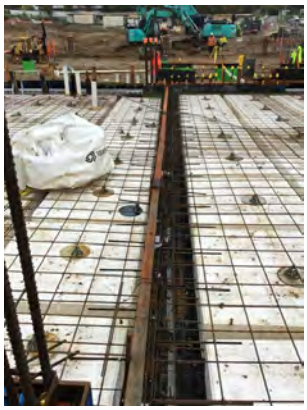
Check surface finish is acceptable (Against drawings/specifications)

Inspection

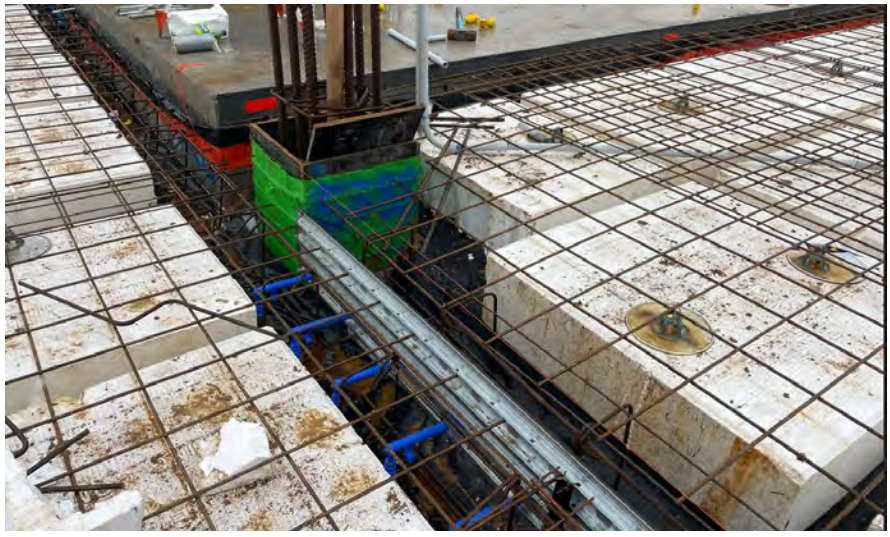
Comments

The joints are not level 15 mil between one joint to the other Outdoor area slab is 160 and we are pouring on average 190 to 200 Slab not finish rained on and off all day

Photos



SECTION 6



ADCO ITP Documentation

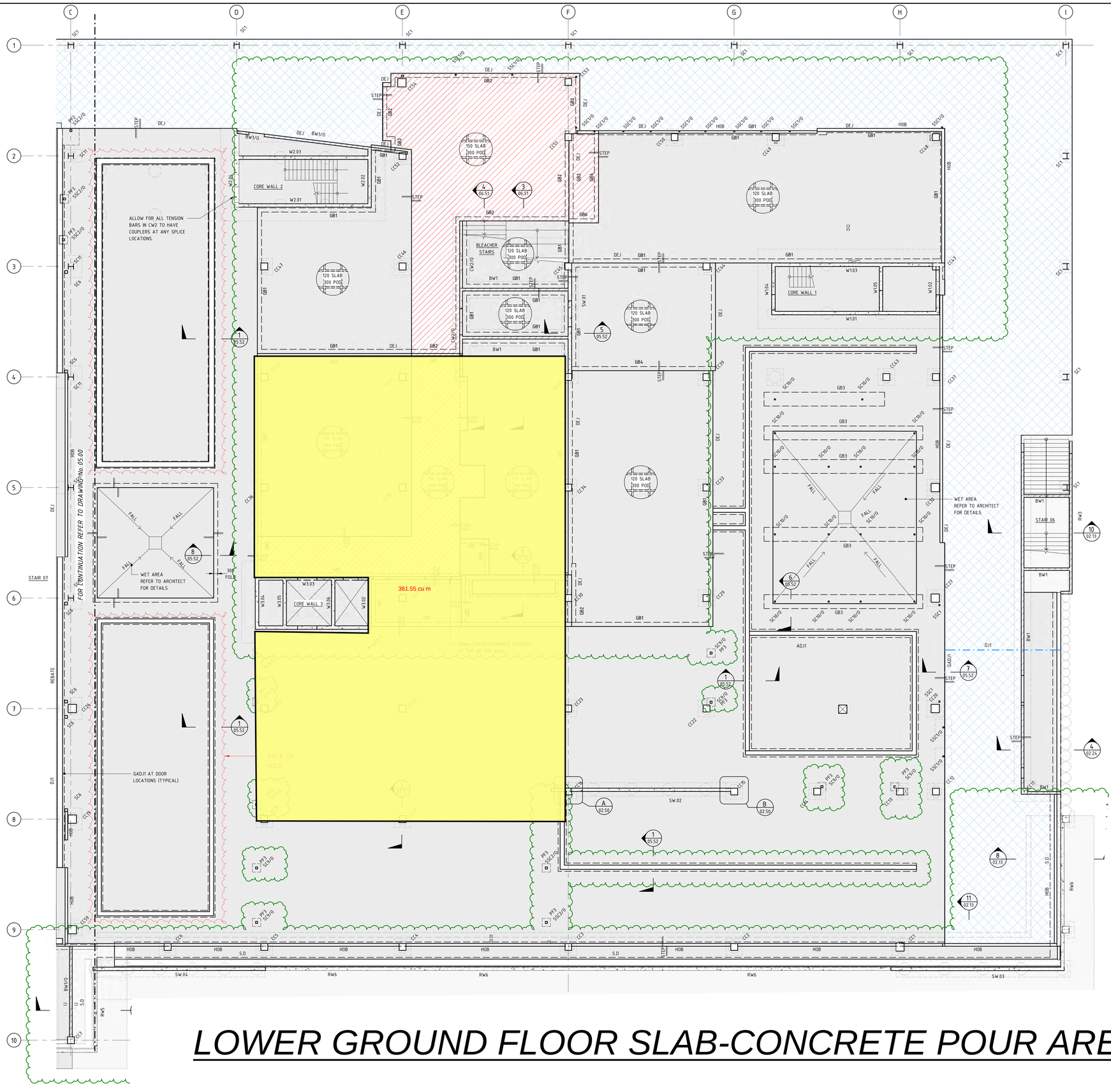
Trade Discipline: FRP

ADCO

LGF Pour 3b

Contents

SECTION 1



LOWER GROUND FLOOR SLAB-CONCRETE POUR AREAS

DRAWN ROBERT STEVENS DESIGNED TROY MYERS JOB MANAGER TROY MYERS VERIFIER NICHOLAS BOEY

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	15.06.2022

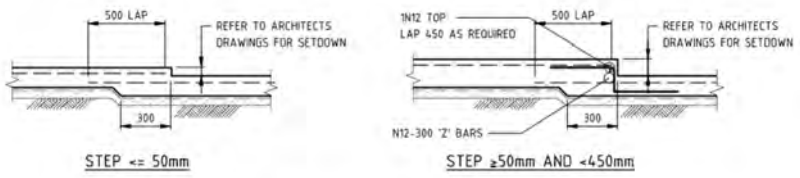
To	Cop	Company	Attention
X		ADCO	GEORGE AWAD, MATTHEW OLSZEWSKI

Site visit requested by: GEORGE AWAD

Reason for visit: Slab on ground between grids D-F and 4-5

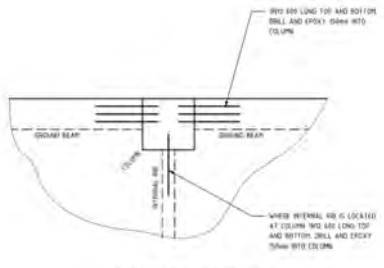
We confirm, having inspected the above (refer to plan for extent of inspection), at the time of inspection, work was found to be in general accordance with the structural intent with exception to the below items:

1. Trimmer bars around penetrations and floor boxes
2. At some setdowns, the mesh did not have adequate lap. Lap at setdowns at shown below:



TYPICAL SLAB ON GROUND SETDOWN DETAIL

3. At the locations where the IB1 beams are discontinuous, use the details below. This is in lieu of local widening since you have no spare trench mesh and ties. Refer to NE-ST-DWG-C0-05.53.



TYPICAL GROUND BEAM TO CONCRETE COLUMN DETAIL

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

4. Place missing waffle pod. Refer to sketch attached for location.
5. Dowel joints around the core wall 3 as per our documentation. If you zoom into our lower ground GA, you will see the extent of dowel joint. See attached for your information.
6. Attached sketch shows extent of slab on ground inspected. Please complete steel fixing and photos for approval prior to pouring concrete.

General:

- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. ADCO are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature: Received: 15.06.2022

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: TAFE IATC KINGSWOOD

Principal Contractor: ADCO Constructions

Pour Location: Pour 3b

Prepared by: Munkhdemberel

Pour Date: 2022.06.17

Check/Inspections Required	Please Circle	Comments
Subcontractor is working from the latest drawings & documentation	(Yes)/No/ Not required	
Reinforcement installed as documented, or as engineers instructions	(Yes)/No/ Not required	
Cover is adequate as per structural engineers design	(Yes)/No/ Not required	
Minimum lap / splice requirements achieved	(Yes)/No/ Not required	
Bar caps placed over vertical reinforcements elements	(Yes)/No/ Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes)/No/ Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes)/No/ Not required	

Mesh over deep beam sections as per project requirements	**(Yes)/No/ Not required**
Reinforcement independently chaired	**(Yes)/No/ Not required**

Checklist Closed Out:

Foreman / Supervisor:

Date: 2022.06.17

SECTION 4

TransForm
Formwork Contractors

35

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD / POUR [redacted] S.O.G

WORK AREA: [illegible]

ITP No. 17

DATE: 17/6/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	17/6	[illegible]	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	17/6	DK	
2	**DRAWING NUMBERS USED:** A 1950 Rev 12 ST 05:01 Rev 9	TF	17/6	DK	
3	**Send highlighted drawings to office**	TF	17/6	DK	
4	Check Set-out for: - R.L - Corner Point Location - Penetrations - Construction Joints	TF	17/6	DK	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final inspection	TF	17/6	DK	
6	Clean area	TF	17/6	DR	
7	**HANDOVER**	TF	17/6	DR	
8	**Reo installation**	Builder	17/6		
Hold	**Reinforcement inspection by Builder**	Builder	17/6	[illegible]	
Witness	**Check quality of formwork (ply/timber) used**	Builder	17/6		
9	Install set downs - Sign off	TF	17/6	DR	
10	Install sleeves	TF	17/6	DR	
11	Install cast-ins	TF	17/6	DR	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	17/6	DR	
13	Formwork Engineer inspection if required	TF	/	/	/
14	Rectify any Engineers comments	TF	/	/	/
15	Clean deck	TF	/	/	/
Hold	**Formwork inspection by Builder for Sign off**	Builder	17/6	[illegible]	
16	**Concrete Pour**		17/6	DR	

Comments

SECTION 5

Adco Constructions Pty Ltd - ADCO
Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

(17-Jun-2022)

ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	3B
Drawings	
Drawing No	DWG-1950
Rev No	12
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Witness
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Witness
Check suitable method of placement and vibration. (Visual Check)	Witness
Check curing compound applied. (To specification Safety Cure WB)	Witness
Formworkers to check column base is free from debris (Visual Check)	

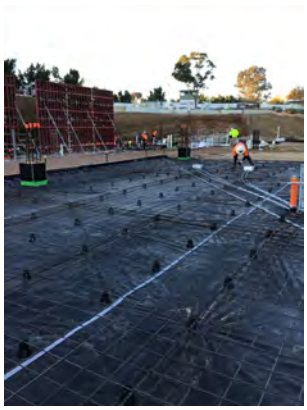
Check surface finish is acceptable (Against drawings/specifications)

Inspection

Comments

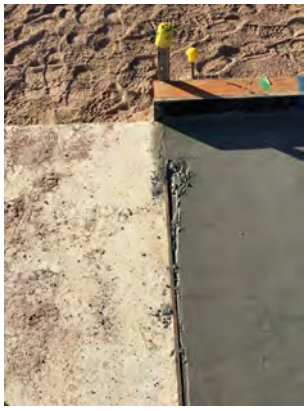
For workers and still fixes still working lots of sit downs to be put in Armour plate is not in straight Key join is running 15 mil out of level have to adjust

Photos





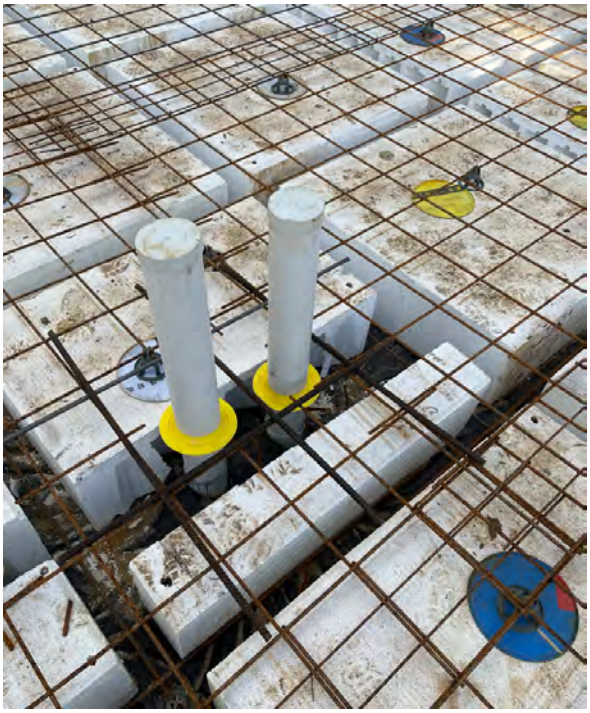


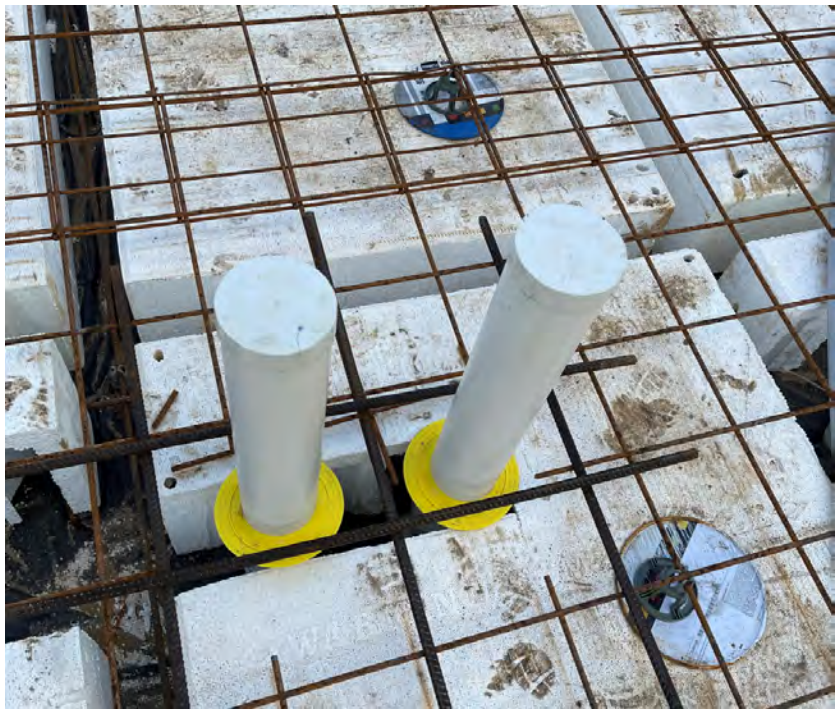
Authorisations

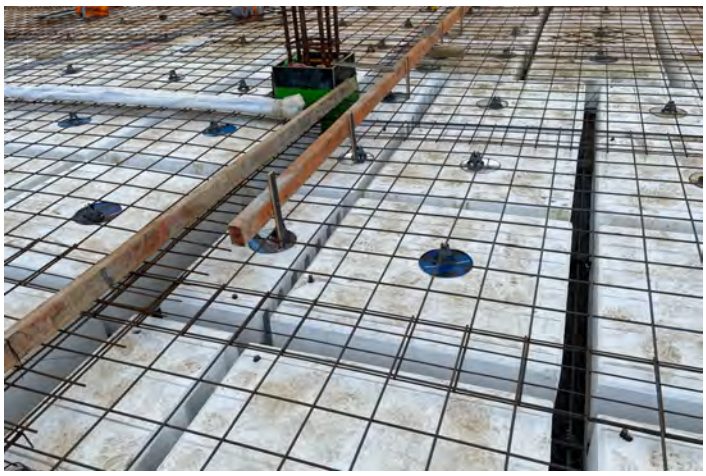
Client & Traino Group confirmation of inspection (where applicable)

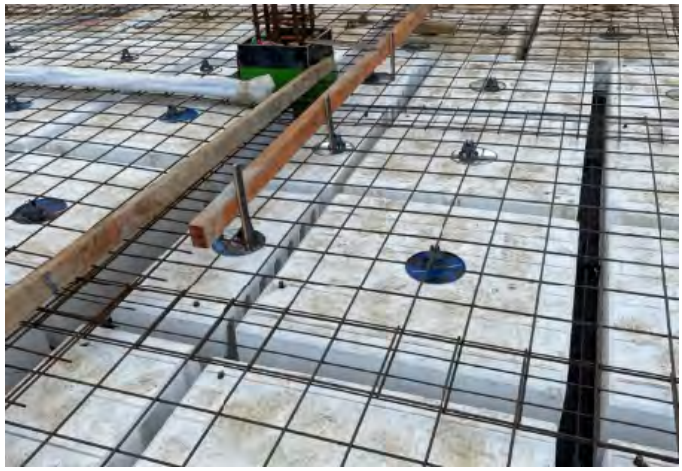
Traino Staff member	Steve Simeti
Traino Staff signature	
Date	17/06/2022
Accepted By (client representative name)	Robert
Signature	
Date	17/06/2022

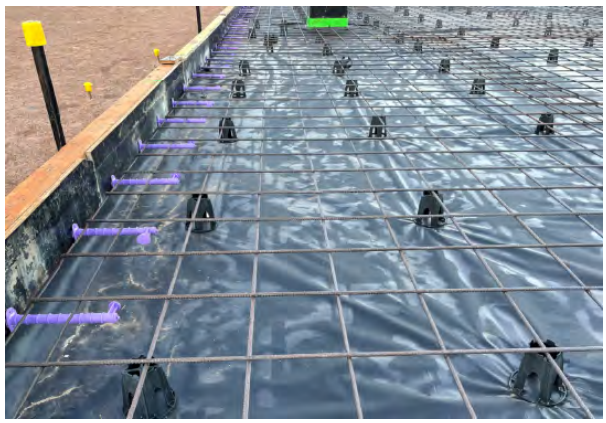
SECTION 6

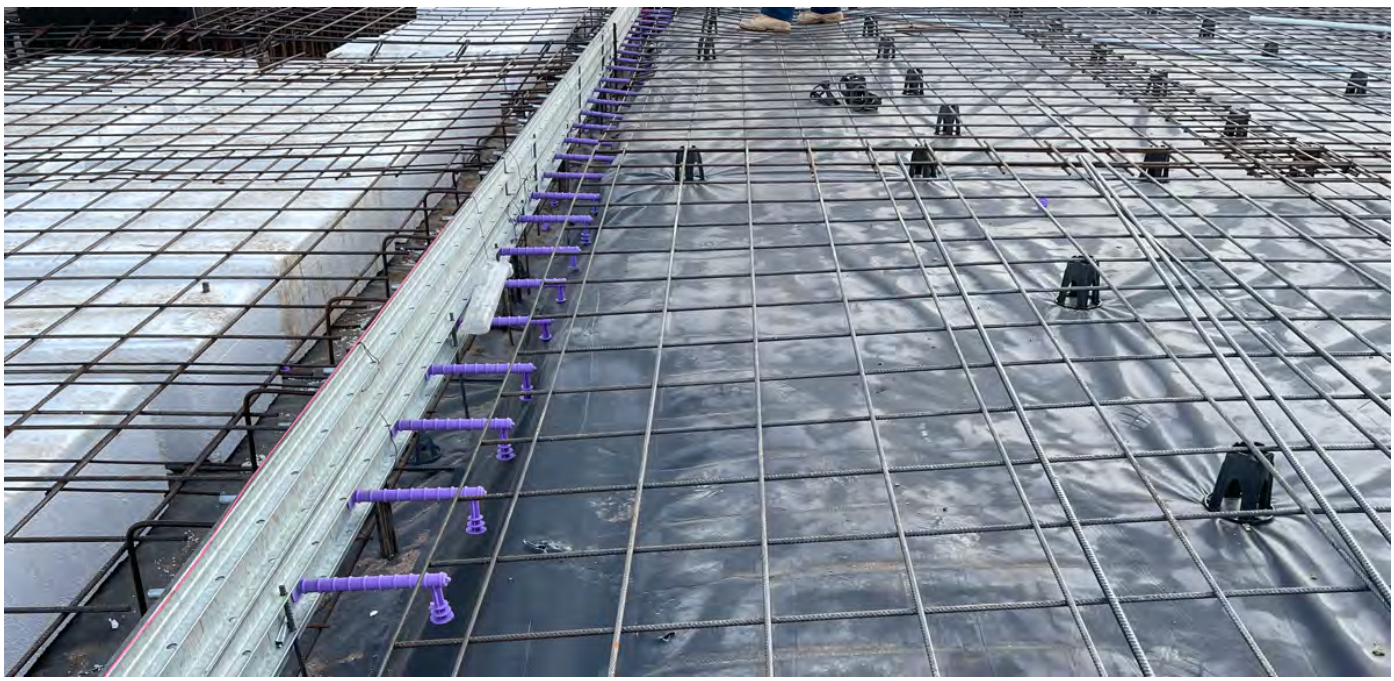












ADCO ITP Documentation

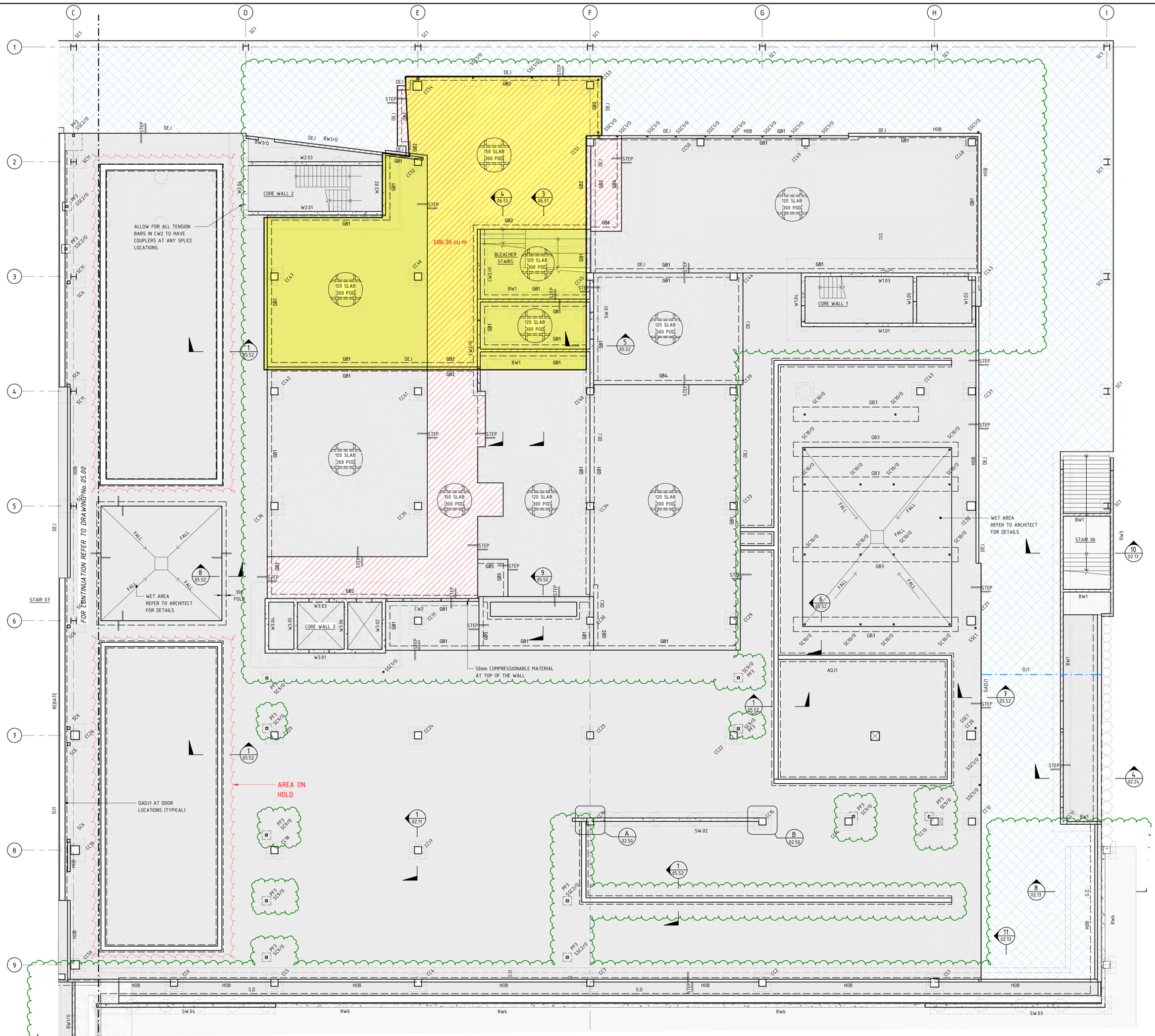
Trade Discipline: FRP

ADCO

LGF Pour 3a

Contents

SECTION 1



LOWER GROUND FLOOR SLAB-CONCRETE POUR AREAS

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	31.05.2022

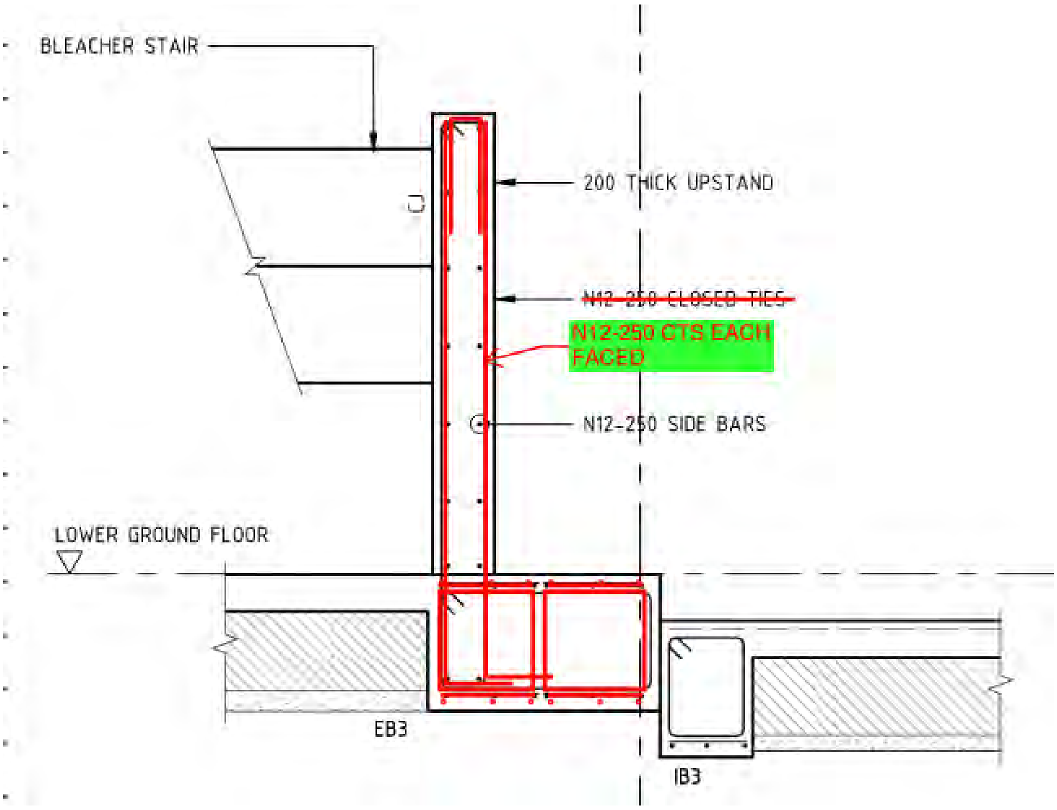
To	Cop	Company	Attention
X		ADCO	GEORGE AWAD, PEADER MURPHY

Site visit requested by: GEORGE AWAD
Reason for visit: Slab on ground Pour 3

We confirm, having inspected the above (refer to plan for extent of inspection), at the time of inspection, work was found to be in general accordance with the structural intent with exception to the below items:

1 Trench mesh to lap at the intersection. Typical through out
2 Move N12 rib reo to the center of the ribs. Typical through out
3 Finish placing waffle pods adjacent to IB3
4 Trench mesh to lap at the intersection.
5 Tape up membrane at beam junction.
6 Finish placing waffle pods in front of Core wall 2
7 Local thickening under block wall as per our typical details
8 Cut pad footing u-bars in half and lap as per sketch below:

9 Double up on trench mesh and ties to locally widen the footing for the upstand. See below amended sketch:



General:

- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. ADCO are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature: Received: 31.05.22

SECTION 3

ML STEELFIXING pty.ltd.

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: TAFE IATC KINGSWOOD **Principal Contractor:** ADCO Constructions

Pour Location: Pour 3a; Retaining Wall Base "C-E" **Prepared by:** Munkhdemberel C

Pour Date: 2022.06.02

Check/Inspections Required	Please Circle	Comments
Subcontractor is working from the latest drawings & documentation	(Yes)/No/ Not required	
Reinforcement installed as documented, or as engineers instructions	(Yes)/No/ Not required	
Cover is adequate as per structural engineers design	(Yes)/No/ Not required	
Minimum lap / splice requirements achieved	(Yes)/No/ Not required	
Bar caps placed over vertical reinforcements elements	(Yes)/No/ Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes)/No/ Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes)/No/ Not required	

Mesh over deep beam sections as per project requirements	**(Yes)/No/ Not required**
Reinforcement independently chaired	**(Yes)/No/ Not required**

Checklist Closed Out:

Foreman / Supervisor: 

Date: 2022.06.02

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: RETAINING WALL FOOTING EDGEBOARDS & HOB

ITP No. 12

DATE: 2/6/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	2/6		
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	2/6	DR	
2	**DRAWING NUMBERS USED:** CONTINUATION FROM 1ST POUR	TF	/	/	
3	**Send highlighted drawings to office**	TF	2/6	DR	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	2/6	DR	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	2/6	DR	
6	Clean area	TF	/	/	
7	**HANDOVER**	TF	2/6	DR	
8	**Reo Installation**	Builder			
Hold	**Reinforcement inspection by Builder**	Builder			
Witness	**Check quality of formwork (ply/timber) used**	Builder			
9	Install set downs - Sign off HOBS	TF	2/6	DR	
10	Install sleeves	TF	/	/	
11	Install cast-ins	TF	/	/	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	2/6	DR	
13	Formwork Engineer inspection if required	TF	/	/	
14	Rectify any Engineers comments	TF	/	/	
15	Clean deck	TF	/	/	
Hold	**Formwork Inspection by Builder for Sign off**	Builder	RFI 2/6		
16	**Concrete Pour**		2/6	DR	

Comments

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: POUR 3a WEST S.O.G

ITP No. 13

DATE: 2/6/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	2/6	AT	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	2/6	DR	
2	**DRAWING NUMBERS USED:** A1950 REV 12 ST-05.01 REV 8	TF	2/6	DR	
3	**Send highlighted drawings to office**	TF	2/6	DR	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	2/6	DR	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	2/6	DR	
6	Clean area	TF	2/6	DR	
7	**HANDOVER**	TF	2/6	DR	
8	**Reo Installation**	Builder	2		
Hold	**Reinforcement Inspection by Builder**	Builder	2/6		
Witness	**Check quality of formwork (ply/timber) used**	Builder	2/6		
9	Install set downs - Sign off	TF	2/6	DR	
10	Install sleeves	TF	2/6	DR	
11	Install cast-ins	TF	2/6	DR	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	2/6	DR	
13	Formwork Engineer inspection if required	TF	/	/	
14	Rectify any Engineers comments	TF	/	/	
15	Clean deck	TF	/	/	
Hold	**Formwork Inspection by Builder for Sign off**	Builder	02/6	RT.	
16	**Concrete Pour**		2/6	DR	

Comments

SECTION 5

Adco Constructions Pty Ltd - ADCO
Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

(2-Jun-2022)

ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	Pour 3 A
Drawings	
Drawing No	DWG-A1950
Rev No	12
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

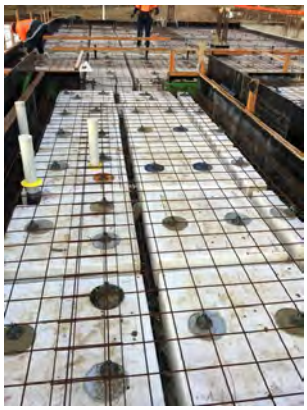
Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	
Formworkers to check column base is free from debris (Visual Check)	

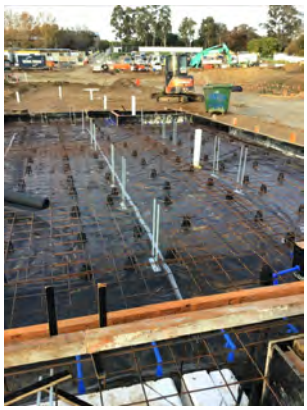
Check surface finish is acceptable (Against drawings/specifications)

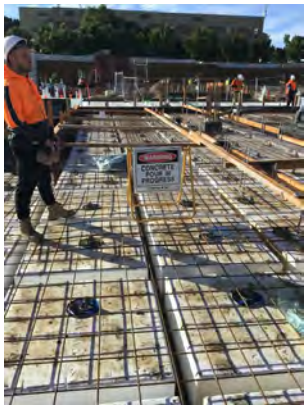
Comments

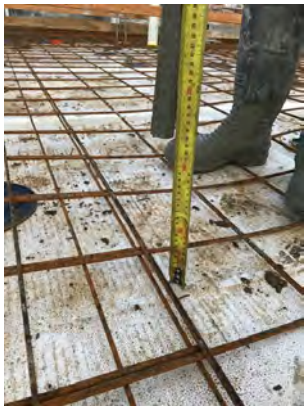
Rebate is touching the steel no cover Formwork is still working on stepdown's Formwork- No bracing Slab overexcavated by 100mm No cover in the rebate

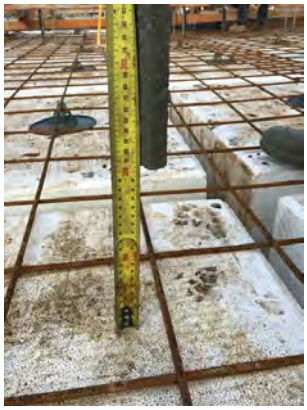
Photos

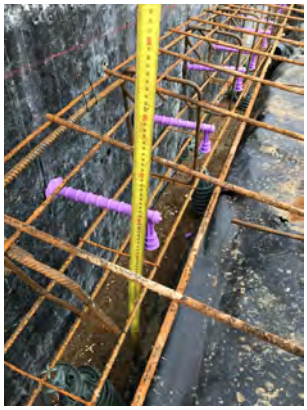







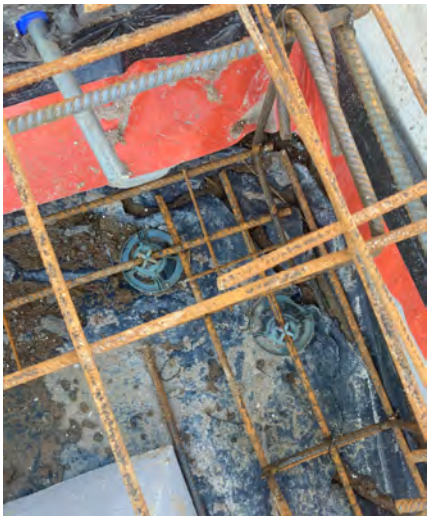


Authorisations

Client & Traino Group confirmation of inspection (where applicable)

Traino Staff member	Steve Simeti
Traino Staff signature	
Date	2/06/2022
Accepted By (client representative name)	Robert
Signature	
Date	2/06/2022

SECTION 6



ADCO ITP Documentation

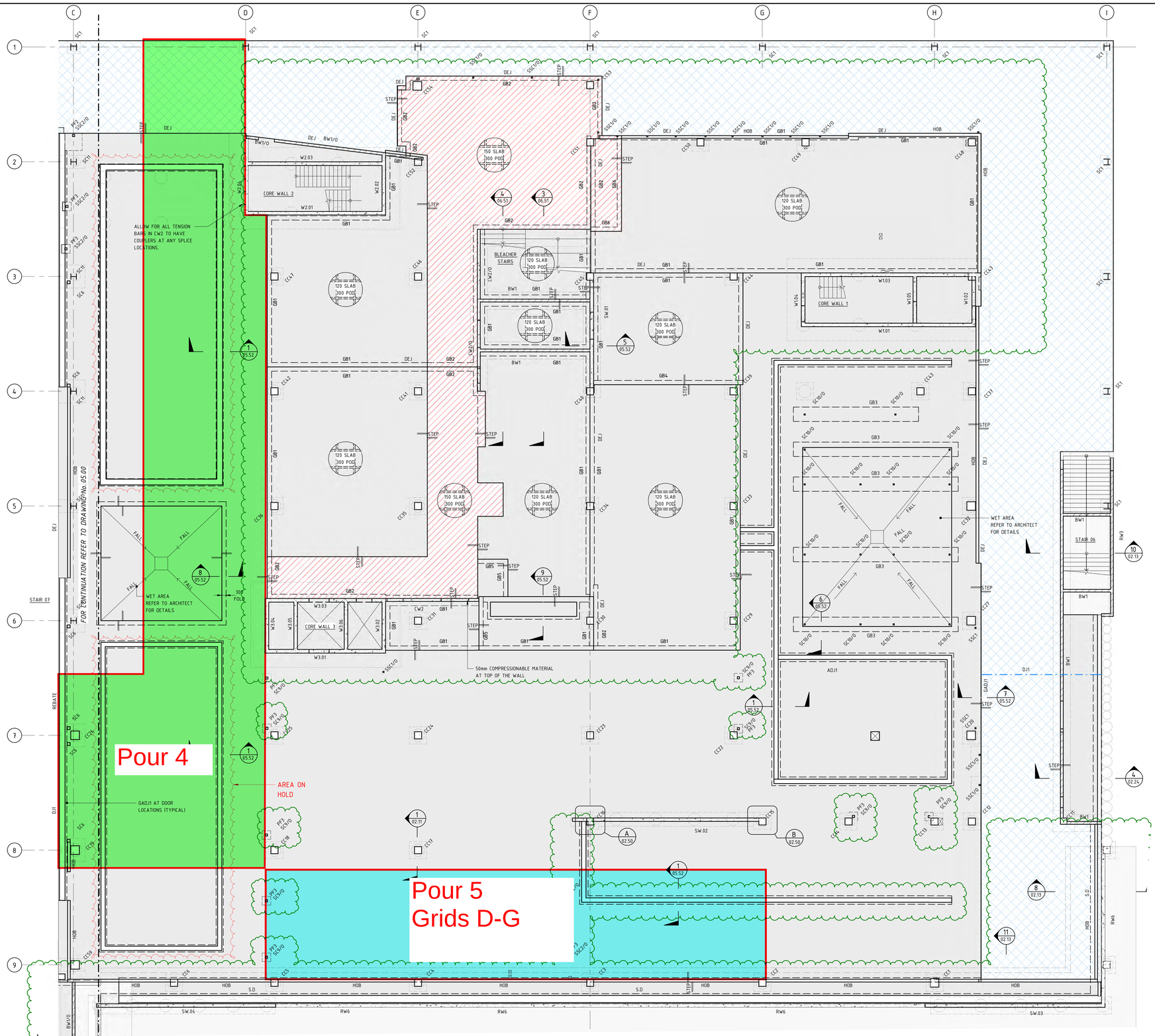
Trade Discipline: FRP

ADCO

LGF Pour 4 & 5

Contents

SECTION 1



LOWER GROUND FLOOR SLAB-CONCRETE POUR AREAS

DRAWN ROBERT STEVENS DESIGNED TRUDY MYERS JOB MANAGER TRUDY MYERS VERIFIER NICHOLAS BOEY

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	20.06.2022

To	Cop	Company	Attention
X		ADCO	GEORGE AWAD

Site visit requested by: GEORGE AWAD

Reason for visit: SLAB ON GROUND POUR 4 and 5

We confirm, having inspected the above, at the time of inspection, work was found to be in general accordance with the structural intent with exception to the below items:

1. Trimmer bars around bars
2. Trench mesh to lap and join at the corner
3. Trimmer bars around columns
4. Trimmer around penos penetration slab which results in cutting mesh

General:

- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. ADCO are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature: Received: 20.06.2022

SECTION 3

ML STEELFIXING pty.ltd.

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: TAFE IATC KINGSWOOD
Principal Contractor: ADCO Constructions
Pour Location: Pour 4 and Pour 5 D-G
Prepared by: Munkhdemberel
Pour Date: 2022.06.22

Check/Inspections Required	Please Circle	Comments
Subcontractor is working from the latest drawings & documentation	(Yes)/No/ Not required	
Reinforcement installed as documented, or as engineers instructions	(Yes)/No/ Not required	
Cover is adequate as per structural engineers design	(Yes)/No/ Not required	
Minimum lap / splice requirements achieved	(Yes)/No/ Not required	
Bar caps placed over vertical reinforcements elements	(Yes)/No/ Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes)/No/ Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes)/No/ Not required	

Mesh over deep beam sections as per project requirements	**(Yes)/No/ Not required**
Reinforcement independently chaired	**(Yes)/No/ Not required**

Checklist Closed Out:

Foreman / Supervisor:

Date: 2022.06.22

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: BUR 4 & 5 S.O.G.

ITP No. 20

DATE: 22/6/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder			
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	22/6	DR	
2	DRAWING NUMBERS USED: A1950 REV 12 ST 06.05 REV 1	TF	22/6	DR	
3	**Send highlighted drawings to office**	TF	22/6	DR	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	22/6	DR	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	22/6	DR	
6	Clean area	TF	22/6	DR	
7	**HANDOVER**	TF	22/6	DR	
8	**Reo Installation**	Builder			
Hold	**Reinforcement Inspection by Builder**	Builder			
Witness	**Check quality of formwork (ply/timber) used**	Builder			
9	Install set downs - Sign off	TF	22/6	DR	
10	Install sleeves	TF	22/6	DR	
11	Install cast-ins	TF	22/6	DR	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	22/6	DR	
13	Formwork Engineer inspection if required	TF	/	/	/
14	Rectify any Engineers comments	TF	/	/	/
15	Clean deck	TF	/	/	/
Hold	**Formwork Inspection by Builder for Sign off**	Builder			
16	**Concrete Pour**		22/6	DR	

Comments

SECTION 5

Adco Constructions Pty Ltd - ADCO
Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

(22-Jun-2022)

ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	Pour 4/5
Drawings	
Drawing No	DWG-01950
Rev No	12
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Witness
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Witness
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Witness
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Inspection
Formworkers to check column base is free from debris (Visual Check)	Inspection

Check surface finish is acceptable (Against drawings/specifications)

Inspection

Comments

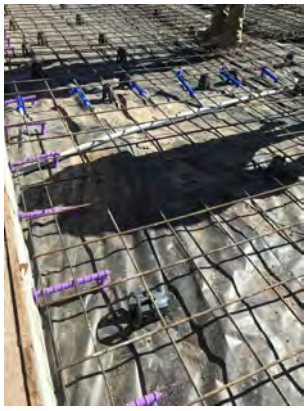
Z bars electrical box to high 20 mil above concrete height Set down for washdown area- Slab should be 160, as per photos it is 250-270 Sub grade 50mm too high, no cover on steel

Photos







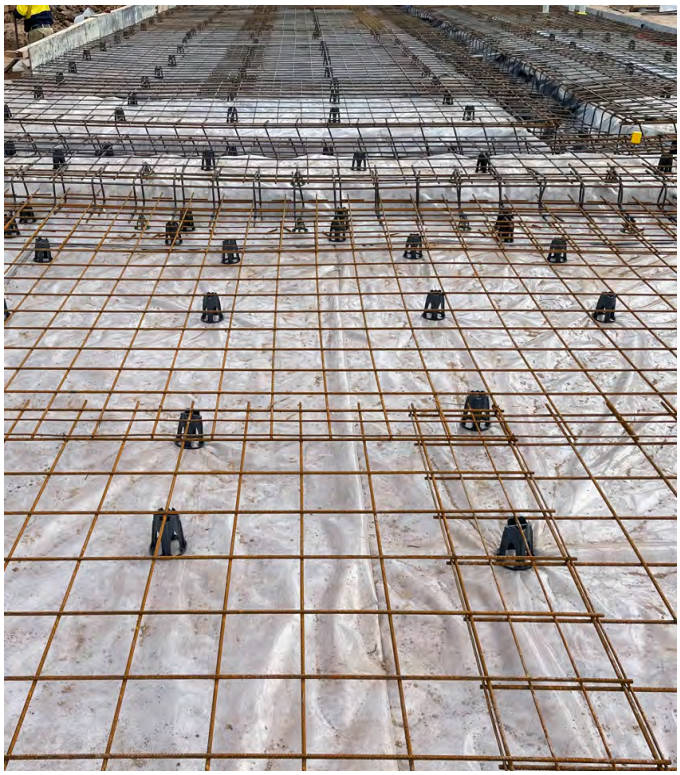



Authorisations

Client & Traino Group confirmation of inspection (where applicable)

Traino Staff member	Steve Simeti
Traino Staff signature	
Date	22/06/2022
Accepted By (client representative name)	Robert
Signature	
Date	22/06/2022

SECTION 6



ADCO ITP Documentation

Trade Discipline: FRP

ADCO

LGF Pour 6

Contents

SECTION 1

STEP
CC39
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SC14/0
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FOR DETAILS
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SECTION 2

(3547) TAFE NSW INSTITUTE OF APPLIED TECHNOLOGY
TAFE NSW
12-44 O'CONNELL ST
KINGSWOOD
NSW 2747 Australia

MAIL TYPE	MAIL NUMBER	REFERENCE NUMBER
General Correspondence	NE-GCOR-000708	ADCO Con-GCOR-005521

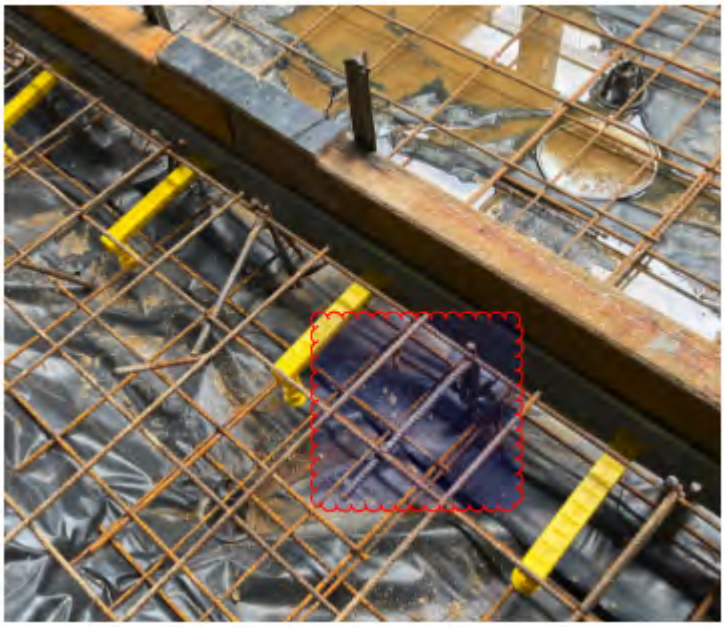
Re: NSW TAFE IAT-C: LGF Pour 6 NE Corner

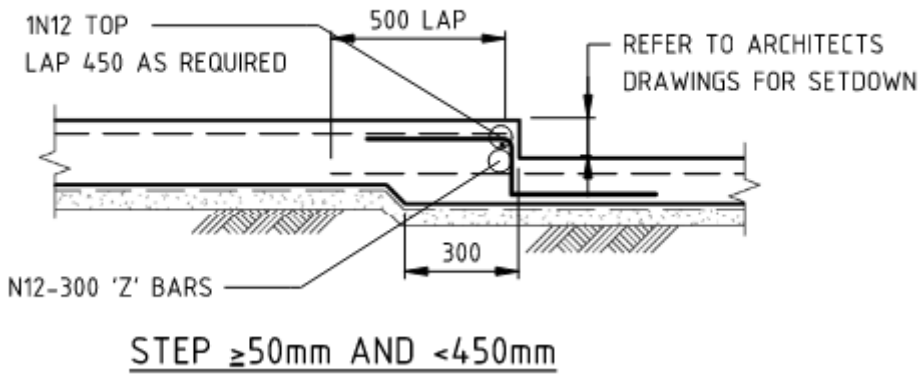
From	Khalil Zahedi - Northrop Engineers Pty Ltd
To (5)	Mr Mark Zabica - ADCO CONSTRUCTIONS PTY LIMITED
	Mr Robbie Stevens - Northrop Consulting Engineers Pty Ltd
	Mr Jim Yu - Northrop Consulting Engineers Pty Ltd
	Khalil Zahedi - Northrop Engineers Pty Ltd
	Mrs Trudy Myers - Northrop Engineers Pty Ltd
Cc (3)	Mr Matthew Olszewski - ADCO CONSTRUCTIONS PTY LIMITED
	Mr Kieran Hill - ADCO CONSTRUCTIONS PTY LIMITED
	Mr George Awad - ADCO CONSTRUCTIONS PTY LIMITED
Sent	Wednesday, 25 January 2023

MESSAGE

Due to max allowable size, I had to send this as two seperate correspondence.

3) Ensure this is min. 450 cog as per our documentation.





STEP ≥50mm AND <450mm

Regards
Khalil Zahedi

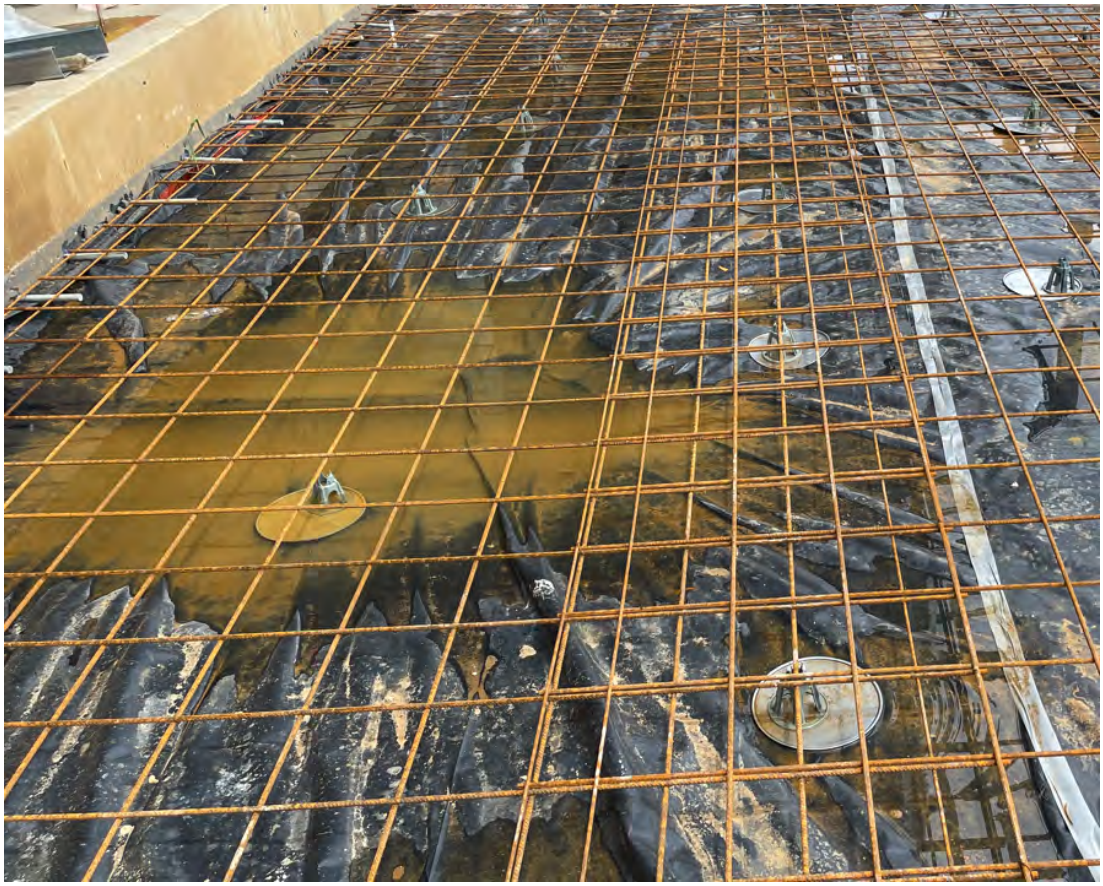
From: K Zahedi
Sent: 25/01/2023 9:06:10 AM AEDT (GMT +11:00)
To: Mark Zabica, Robbie Stevens, Jim Yu, Trudy Myers
Cc: George Awad, Kieran Hill, Matthew Olszewski
Mail Number: NE-RTRFI-000208
Subject: Re: NSW TAFE IAT-C: LGF Pour 6 NE Corner

Hi Mark and George,

Mostly fine. Below are some areas need rectification:

1) 2N16 trimmer bars

2) Pumpout all the water and clean debris



3) Confirm this cog length is min 450 as per our details.

From: M Zabica
Sent: 23/01/2023 2:35:57 PM AEDT (GMT +11:00)
To: Robbie Stevens, Jim Yu, Trudy Myers, Khalil Zahedi
Cc: George Awad, Kieran Hill, Matthew Olszewski
Mail Number: ADCO Con-GCOR-005521
Subject: NSW TAFE IAT-C: LGF Pour 6 NE Corner

Hi Khalil,

Please find attached inspection photos for the LGF Pour 6. We intend to pour on Wednesday, can you please provide any comments if required prior to the pour.

Thanks,
MARK ZABICA
CADET

02 8437 5000
0424 483 001

LEVEL 2, 7-9 WEST STREET
NORTH SYDNEY NSW 2060
ADCOCONSTRUCT.COM.AU

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: **IATC** **Principal Contractor:** ADCO Constructions P/L

Pour location/description:
LGF Pour 6 NE corner

Prepared by: M. Lentini

Pour Date: 25.01.23

Check/Inspections Required	Please Circle	Inspection closed out:
Subcontractor is working from the latest drawings & documentation	(Yes) / No / Not required	
Reinforcement installed as documented, or as engineers instructions. (Complying with AS3600)	(Yes) / No / Not required	
Cover is adequate as per structural engineers design	(Yes) / No / Not required	
~~ACOR: L~~ap / splice and location requirements achieved	(Yes) / No / Not required	
Bar caps placed over vertical reinforcements elements	(Yes) / No / Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes) / No / Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes) / No / Not required	

Mesh over deep beam sections as per project requirements	**Yes / No / Not required**
Reinforcement independently chaired	**Yes / No / Not required**

Builder witness and sign off:

Date:

Reinforcement fixing checklist closed out: 25/01/2023

Foreman / Supervisor: Munkhdemberel **Date:** 25/01/2023

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: Lower Ground Floor Pour 6

ITP No. 84

DATE: 24/1/2023

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	24/1	GA	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	24/1	DK	
2	**DRAWING NUMBERS USED:** A 1950 Rev 18 ST 05.01 Rev 13	TF	24/1	DK	
3	**Send highlighted drawings to office**	TF	25/1	DK	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	24/1	DK	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	24/1	DK	
6	Clean area	TF	24/1	DK	
7	**HANDOVER**	TF	24/1	DK	
8	**Reo Installation**	Builder	24/1	GA	
Hold	**Reinforcement Inspection by Builder**	Builder	24/1	GA	
Witness	**Check quality of formwork (ply/timber) used**	Builder	24/1	GA	
9	Install set downs - Sign off	TF	24/1	DK	
10	Install sleeves	TF	24/1	DK	
11	Install cast-ins	TF	24/1	DK	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	24/1	DK	
13	Formwork Engineer inspection if required	TF	/	/	/
14	Rectify any Engineers comments	TF	/	/	/
15	Clean deck	TF	/	/	/
Hold	**Formwork Inspection by Builder for Sign off**	Builder	24/1	GA	
16	**Concrete Pour**		25/1	DK	

Comments

SECTION 5

Adco Constructions Pty Ltd
- ADCO Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

25-Jan-2023

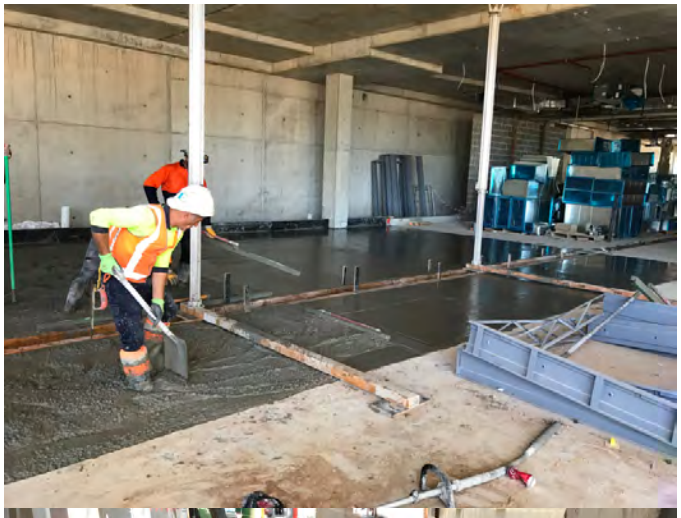
TRAINO
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	G
Element	Slab on Ground
Grid Reference	Pour 6 SOG
Drawings	
Drawing No	C1-05.01
Rev No	13
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	

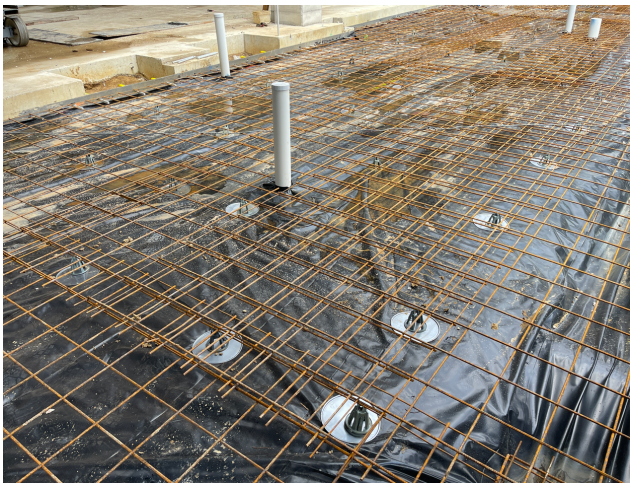
Activity	
Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection

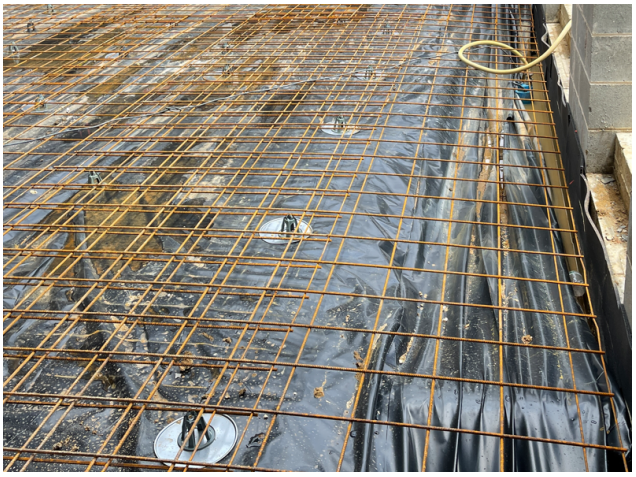
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Action
Formworkers to check column base is free from debris (Visual Check)	Inspection
Check surface finish is acceptable (Against drawings/specifications)	Inspection
Comments	Extra concrete in edge thickening
Photos	

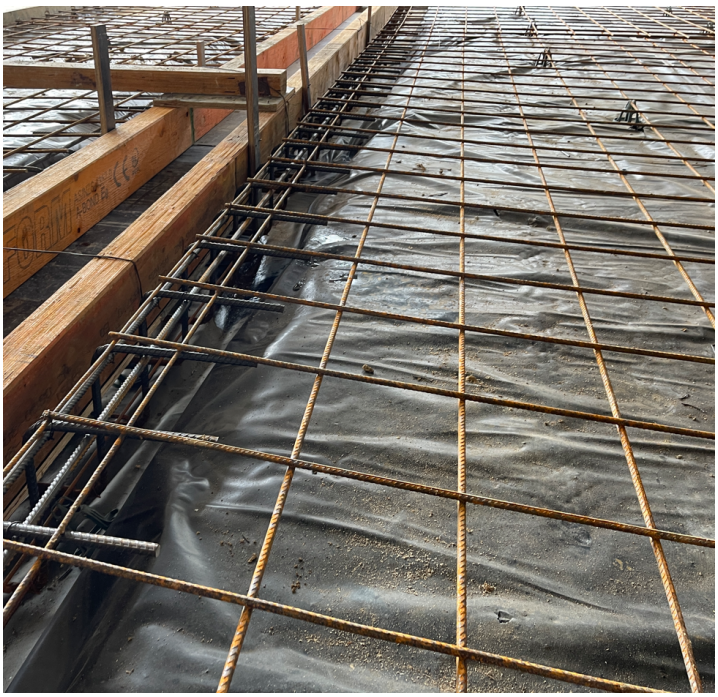


Authorisations	
Client & Traino Group confirmation of inspection (where applicable)	
Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	25/01/2023
Accepted By (client representative name)	Malcolm Pack
Signature	
Date	25/01/2023

SECTION 6







ADCO ITP Documentation

Trade Discipline: FRP

ADCO

LGF Pour 7

Contents

SECTION 1

LOWER GROUND FLOOR SLAB-CONCRETE POUR AREAS

- COREFILL 1M HIGH ALL BLOCK WALLS ADJACENT TO FORKLIFT PATH WITH N16 AT 400 CTS EACH WAY

ALLOW FOR ALL TENSION BARS IN CW2 TO HAVE COUPLERS AT ANY SPLICE LOCATIONS.

CORE WALL 2

CORE WALL 1

BLEACHER STAIRS

STAIR 07

STAIR 06

WET AREA REFER TO ARCHITECT FOR DETAILS

50mm COMPRESSIONABLE MATERIAL AT TOP OF THE WALL

AREA ON HOLD

GADJ1 AT DOOR LOCATIONS (TYPICAL)

FOR CONTINUATION REFER TO DRAWING No. 05.00

REBATE

DRAWN ROBERT STEVENS | DESIGNED TRUDY MYERS | JOB MANAGER TRUDY MYERS | VERIFIER NICHOLAS BOEY

FOR CONSTRUCTION

DRAWING SHEET SIZE = A0 | REVISION 3

SECTION 2

Mark Zabica ADCO CONSTRUCTIONS PTY LIMITED	TAFE IATC - Pour 7 LGF Inspection for Pour 07.07.22 GENERAL CORRESPONDE…	06/07/2022 ADCO CON-GCOR-002820
Khalil Zahedi NORTHROP ENGINEERS PTY LTD	RE: ADCO Con-GCOR-002820: TAFE IATC - Pour 7 L… EMAIL	07/07/2022 NE-EMAIL-000024
Khalil Zahedi NORTHROP ENGINEERS PTY LTD	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	07/07/2022 NE-GCOR-000433
Mark Zabica ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… REQUEST FOR INFORMATION	09/09/2022 ADCO CON-RFI-001120
Khalil Zahedi NORTHROP ENGINEERS PTY LTD	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	16/09/2022 NE-GCOR-000558
Matthew Olszewski ADCO CONSTRUCTIONS PTY LIMITED	Fwd: TAFE IATC - Pour 7 LGF Inspection for Pour 07.0… GENERAL CORRESPONDE…	05/10/2022 ADCO CON-GCOR-004055
George Awad ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	05/10/2022 ADCO CON-GCOR-004058
George Awad ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	12/10/2022 ADCO CON-GCOR-004187
Khalil Zahedi NORTHROP ENGINEERS PTY LTD	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… RESPONSE TO RFI	12/10/2022 NE-RTRFI-000105
George Awad ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	12/10/2022 ADCO CON-GCOR-004193
Matthew Olszewski ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	14/10/2022 ADCO CON-GCOR-004241
Khalil Zahedi NORTHROP ENGINEERS PTY LTD	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… RESPONSE TO RFI	14/10/2022 NE-RTRFI-000113
George Awad ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	25/10/2022 ADCO CON-GCOR-004401
Simon Brown ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	25/10/2022 ADCO CON-GCOR-004411
Jim Yu NORTHROP CONSULTING ENGINEERS PTY LTD	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	25/10/2022 NORCON-GCOR-000124
Jim Yu NORTHROP CONSULTING ENGINEERS PTY LTD	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… RESPONSE TO RFI	25/10/2022 NORCON-RTRFI-000105
George Awad ADCO CONSTRUCTIONS PTY LIMITED	Re: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07… GENERAL CORRESPONDE…	28/10/2022 ADCO CON-GCOR-004482

(3547) TAFE NSW INSTITUTE OF APPLIED TECHNOLOGY
TAFE NSW
12-44 O'CONNELL ST
KINGSWOOD
NSW 2747 Australia

MAIL TYPE	MAIL NUMBER	REFERENCE NUMBER

Email NE-EMAIL-000024 ADCO Con-GCOR-002820

RE: ADCO Con-GCOR-002820: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07.22

From Khalil Zahedi - Northrop Engineers Pty Ltd

To Mr Mark Zabica - ADCO CONSTRUCTIONS PTY LIMITED

Sent Thursday, 7 July 2022 10:19:14 AM AEST (GMT +10:00)

Status N/A

MESSAGE

Hi Mark,

Thank you for sending across these photos. Below are my comments:

* Clean out all water and loose debris
* Ensure correct cover to reinforcement is achieved and maintained throughout the pour
* Provide additional photos for reo fixing along grid D and details for the PF3.

Additionally, moving forward can you please give us some more notice when reviewing photos in case you require rectification. If ADCO is planning morning pour, please send photos by morning or mid-day the day prior at the latest.

Khalil Zahedi
Structural Engineer

Northrop Consulting Engineers Pty Ltd
T 02 9241 4188
D 02 9156 3044
E KZahedi@northrop.com.au
L11, 345 George Street Sydney NSW 2000
https://urldefense.com/v3/__http://www.northrop.com.au__;!!Pcw1xXpF_ZUgpW-O!hqxdvW98vBuk49092rvJKnbnhEMs4ubPGBShuWXpbOCko-br0FSext1LBFGibck8js_KZNCNTAn2Ts8u3fla0B6TbKR5Tpg_TlQ$
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<https://urldefense.com/v3/__https://www.linkedin.com/organization/484483/admin/updates__;!!Pcw1xXpF_ZUgpW-O!hqxdvW98vBuk49092rvJKnbnhEMs4ubPGBShuWXpbOCko-br0FSext1LBFGibck8js_KZNCNTAn2Ts8u3fla0B6TbKR5iVB1n30$ >

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From: Mark Zabica <auto-reply-au1@au.aconex.com>
Sent: Wednesday, 6 July 2022 5:12 PM
To: Khalil Zahedi <KZahedi@northrop.com.au>
Subject: ADCO Con-GCOR-002820: TAFE IATC - Pour 7 LGF Inspection for Pour 07.07.22
ACNXREF<Diy148rxbiofKTl2NhoY4>

You have received a new General Correspondence: ADCO Con-GCOR-002820 <https://au1.aconex.com/Logon?Action=View&ENTITY=MAIL&ID=1599594233&USERID=1477119398>

Project:

TAFE IATC

Type:

General Correspondence

Mail Number:

ADCO Con-GCOR-002820

To:

Mr Robbie Stevens, Northrop Consulting Engineers Pty Ltd

Mr Jim Yu, Northrop Consulting Engineers Pty Ltd

Mrs Trudy Myers, Northrop Engineers Pty Ltd

Khalil Zahedi, Northrop Engineers Pty Ltd

Cc:

Mr George Awad, ADCO CONSTRUCTIONS PTY LIMITED

Mr Pierce Brennan, ADCO CONSTRUCTIONS PTY LIMITED

Mr Simon Brown, ADCO CONSTRUCTIONS PTY LIMITED

Mr Kieran Hill, ADCO CONSTRUCTIONS PTY LIMITED

Mr Matthew Olszewski, ADCO CONSTRUCTIONS PTY LIMITED

Robert Torchia, ADCO CONSTRUCTIONS PTY LIMITED

From:

M Zabica, ADCO CONSTRUCTIONS PTY LIMITED

Sent:

06/07/2022 5:11:39 PM AEST (GMT +10:00)

Status:

N/A

Subject:

TAFE IATC - Pour 7 LGF Inspection for Pour 07.07.22

_____

Hi Jim/Khalil,

Please find attached inspection photos for Pour 7 LGF SOG intended to be poured tomorrow morning. The attached markup notes the area that we are pouring.

The attached images showcase the reinforcement details for the pour areas mentioned above.

Please provide your comments regarding the attached images in order to provide ADCO sufficient time to rectify, if necessary, and close out items.

Please do not hesitate to give me a call if you have any further enquiries.

Thanks,

MARK ZABICA
CADET

02 8437 5000
0424 483 001

LEVEL 2, 7-9 WEST STREET
NORTH SYDNEY NSW 2060
ADCOCONSTRUCT.COM.AU

_____

File Attachments
Photo 6-7-2022, 2 40 13 pm.jpg <https://au1.aconex.com/Logon?Action=View&ENTITY=MAIL_ATTACHMENT&ID=949133621944594857>
Photo 6-7-2022, 2 43 31 pm.jpg <https://au1.aconex.com/Logon?Action=View&ENTITY=MAIL_ATTACHMENT&ID=949133621944594858>
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220706 TAFE IATC - Concrete Pour Areas Comb (Completed Pours).pdf <https://au1.aconex.com/Logon?Action=View&ENTITY=MAIL_ATTACHMENT&ID=949133621944594863>

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Regards,
The Aconex Team

NOTES

Private Notes

Enter a new note

Comments against recipients

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: TAFE IATC KINGSWOOD

Principal Contractor: ADCO Constructions

Pour Location: LGF Pour 7

Prepared by: Munkhdemberel

Pour Date: 2022.07.07

Check/Inspections Required	Please Circle	Comments
Subcontractor is working from the latest drawings & documentation	(Yes)/No/ Not required	
Reinforcement installed as documented, or as engineers instructions	(Yes)/No/ Not required	
Cover is adequate as per structural engineers design	(Yes)/No/ Not required	
Minimum lap / splice requirements achieved	(Yes)/No/ Not required	
Bar caps placed over vertical reinforcements elements	(Yes)/No/ Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes)/No/ Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes)/No/ Not required	

Mesh over deep beam sections as per project requirements	**(Yes)/No/ Not required**
Reinforcement independently chaired	**(Yes)/No/ Not required**

Checklist Closed Out:

Foreman / Supervisor:

Date: 2022.07.01

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: POUR 7 S.O.G
GRIDS C-D & 6-9

ITP No. 28
DATE: 7/7/2022
SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder			
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	7/7	DR	
2	DRAWING NUMBERS USED: A1950 REV 13 ST 05.01 REV 9	TF	7/7	DR	
3	**Send highlighted drawings to office**	TF	7/7	DR	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	7/7	DR	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	7/7	DR	
6	Clean area	TF	7/7	DR	
7	**HANDOVER**	TF	7/7	DR	
8	**Reo Installation**	Builder	7/7	RT	
Hold	**Reinforcement Inspection by Builder**	Builder	7/7	RT	
Witness	**Check quality of formwork (ply/timber) used**	Builder	7/7	RT.	
9	Install set downs - Sign off	TF	7/7	DR	
10	Install sleeves	TF	7/7	DR	
11	Install cast-ins	TF	7/7	DR	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	7/7	DR	
13	Formwork Engineer inspection if required	TF	7/7	DR	
14	Rectify any Engineers comments	TF	7/7	DR	
15	Clean deck	TF	7/7	DR	
Hold	**Formwork Inspection by Builder for Sign off**	Builder	7/7	RT.	
16	**Concrete Pour**		7/7	DR	

Comments

SECTION 5

Adco Constructions Pty Ltd - ADCO
Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

(7-Jul-2022)

ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	
Drawings	
Drawing No	
Rev No	
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Action
Formworkers to check column base is free from debris (Visual Check)	Inspection

Check surface finish is acceptable (Against drawings/specifications)

Inspection

Comments

Electrical conduit raising, not braced properly

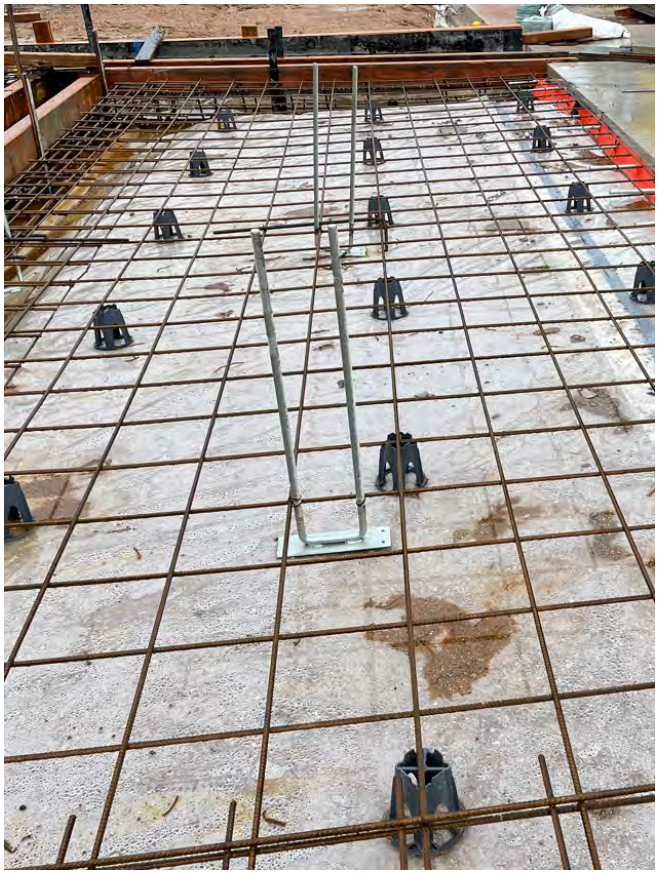
Photos

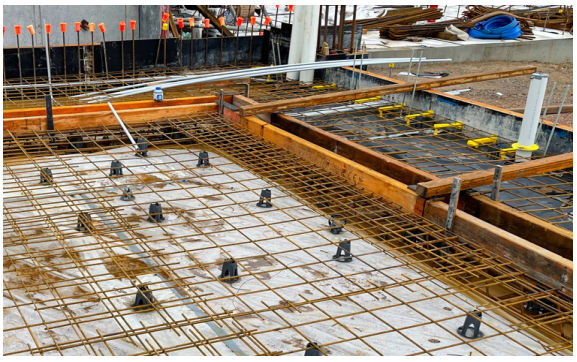
Authorisations

Client & Traino Group confirmation of inspection (where applicable)

Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	7/07/2022
Accepted By (client representative name)	Robert Torchia
Signature	
Date	7/07/2022

SECTION 6





ADCO ITP Documentation

Trade Discipline: FRP

ADCO

LGF Pour 8

Contents

SECTION 1

LOWER GROUND FLOOR SLAB PLAN - GRID A - C

GENERAL NOTES:

FOR STRUCTURAL SPECIFICATIONS REFER TO DRAWINGS S00.11 AND S00.12.

CONCRETE SLAB STRENGTH TO BE f'c = 32MPa.

SLAB ON GRADE TO BE 160mm THICK WITH SL92 MESH TOP. POURED ON 0.2mm POLYTHENE SHEETING OVER 50mm SAND BLINDING LAYER. SAWCUTS TO BE AT A MAXIMUM SPACING OF 4500mm IN BOTH DIRECTIONS FOR INTERNAL SLABS. EVERY FOURTH JOINT TO BE A DOWEL JOINT (DJ1).

UNLESS DENOTED OTHERWISE, 120mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL92 MESH TOP. 150mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL81 MESH TOP AND BOTTOM. INTERNAL RIBS TO BE AT A MAXIMUM 1200 CENTRES WITH 1N12 BOTTOM. CAST SLABS ON 300mm DEEP WAFFLE PODS PLACED ON 0.2mm POLYTHENE SHEETING ON A NOMINAL LEVELING LAYER OF SAND.

WAFFLE SLAB TO BE DESIGNED IN ACCORDANCE WITH AS2870 FOR CLASS H1 SITE.

2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

PROVIDE 400 DEEP x 400 WIDE THICKENING TO ALL NON-LOAD BEARING BLOCK WALLS NSOP

ALL FALLS AND STEPS TO ARCHITECT'S DETAILS.

NON-STRUCTURAL HOBS & KERBS ARE NOT SHOWN, REFER TO ARCHITECT'S DRAWINGS FOR EXTENT & LOCATION.

REFER TO ARCHITECTS DRAWINGS FOR SPOON DRAIN AND GRATED DRAIN EXTENT AND LOCATIONS.

REFER TO ARCHITECTURAL DRAWINGS FOR SLAB JOINT LOCATION AND SETOUT.

LEGEND

- 200 — DENOTES CONCRETE THICKNESS
- CW1 — REFER ARCHITECTURAL DRAWINGS FOR SETDOWN DIMENSION
- CW1 — DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
- BW1 — DENOTES LOAD BEARING MASONRY WALL OVER AND UNDER
- G.D — DENOTES GRATED DRAIN
- S.D — DENOTES SPOON DRAIN
- SJ1 — DENOTES SAWN JOINT
- DJ1 — DENOTES DOWELLED JOINT
- DEJ — DENOTES DOWELLED EXPANSION JOINT. REFER TO TYPICAL SOG DETAILS. PROVIDE DEJ AT ALL DOORWAYS AND OPENINGS
- ADJ1 — DENOTES ARMOURED DOWELLED JOINT
- GADJ1 — DENOTES GALVANISED ARMOURED DOWELLED JOINT

DENOTES 100mm THICK UNBONDED TOPPING SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS.
- PROVIDE SL82 MESH TOP AND JOINT LOCATIONS TO MATCH BASE SLAB
- PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB.

DENOTES FOR 30mm GRANOLITHIC TOPPING - REFER TO ARCHITECT FOR DETAILS.
- ALLOW FOR JOINTS IN GRANO TOPPING. TO BE REFLECTED AT ALL BASE SLAB JOINT LOCATIONS

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	N16-200 VERT & N16-200 HORIZ. EF
CORE-FILLED BLOCK		
BW1	190	PROVIDE N16-200 VERT & N12-200 HORIZ (CENTRAL TO WALL)
BW2	190	PROVIDE N16-200 VERT & N12-400 HORIZ (CENTRAL TO WALL)
BW3	190	PROVIDE N16-200 VERT & N16-200 HORIZ (CENTRAL TO WALL)
RETAINING WALL		
RW1	290	CORE FILLED, N16-200 VERTICAL, N16-200 HORIZONTAL
RW2	190	CORE FILLED, N20-200 VERTICAL, N16-400 HORIZONTAL
RW3	190	CORE FILLED, N16-200 VERTICAL, N16-400 HORIZONTAL
RW4	250	N16-200 VERTICAL, N12-200 HORIZONTAL EF
RW5	250	N20-150 VERTICAL, N20-200 HORIZONTAL EF
RW6	250	N20-150 VERTICAL, N16-200 HORIZONTAL EF

STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENT(S)
COLUMN		
SC1	400 WC 144 + 50X5 EA 100 LONG AT 1000 CTS EACH SIDE	FABRICATED STEEL SECTION WITH OFFSET WEB. CUSTOM BUILT. ALL PLATES TO BE FSBW AND GROUND FLUSH. REFER TO TYPICAL DETAIL
SC3	250 x 250 x 6.0 SHS	STUB COLUMN
SC4	150 x 50 x 6.0 RHS	2m MAX CENTRES, 2 HOURS FIRE RATED, ALLOW FOR 20 THICK BEARING PLATE TO UNDERSIDE OF BEAM
SC5	310 UC 118	
SC6	200 x 200 x 9.0 SHS	
SC7	200 UC 46.2	
SC8	100 x 100 x 5.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SC13	400 WC 181	
SC14	89 x 89 x 5.0 SHS	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
W-SC1	400 UB 67.1	
W-SC2	100 x 100 x 6.0 SHS	

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
2	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.02.22
3	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	04.03.22
4	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.03.22
5	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	14.04.22
6	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	11.05.22
7	REVISED FOR CONSTRUCTION	RS	NB	TM	26.05.22

ARCHITECT

GRAY PUKSAND

CLIENT

NSW GOVERNMENT | TAFE NSW

PROJECT

TAFE NSW CONSTRUCTION CENTRE OF EXCELLENCE
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

DRAWING TITLE

STRUCTURAL DRAWING
LOWER GROUND FLOOR SLAB PLAN - GRID A-C

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-05.00	
	DRAWING SHEET SIZE = A0	REVISION 7

FOR CONSTRUCTION

DRAWN: ROBERT STEVENS DESIGNED: TRUDY MYERS JOB MANAGER: TRUDY MYERS VERIFIER: -

SECTION 2

(3547) TAFE NSW INSTITUTE OF APPLIED TECHNOLOGY
TAFE NSW
12-44 O'CONNELL ST
KINGSWOOD
NSW 2747 Australia

MAIL TYPE	MAIL NUMBER	REFERENCE NUMBER
Response to RFI	NE-RTRFI-000215	ADCO Con-RFI-001962

Re: TAFE IATC - SOG Photo Inspection

From	Khalil Zahedi - Northrop Engineers Pty Ltd
To (2)	Mr Mark Zabica - ADCO CONSTRUCTIONS PTY LIMITED
	Mr George Awad - ADCO CONSTRUCTIONS PTY LIMITED
Cc (6)	Robert Torchia - ADCO CONSTRUCTIONS PTY LIMITED
	Mr Matthew Olszewski - ADCO CONSTRUCTIONS PTY LIMITED
	Mr Kieran Hill - ADCO CONSTRUCTIONS PTY LIMITED
	Malcolm Pack - ADCO CONSTRUCTIONS PTY LIMITED
	Mr Jim Yu - Northrop Consulting Engineers Pty Ltd
	Mrs Trudy Myers - Northrop Engineers Pty Ltd
Sent	Thursday, 2 February 2023

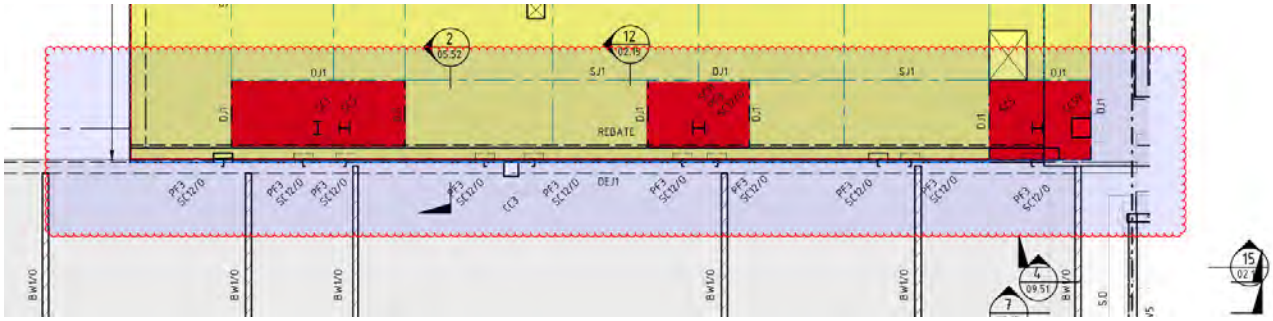
MESSAGE

Hi Mark and George,

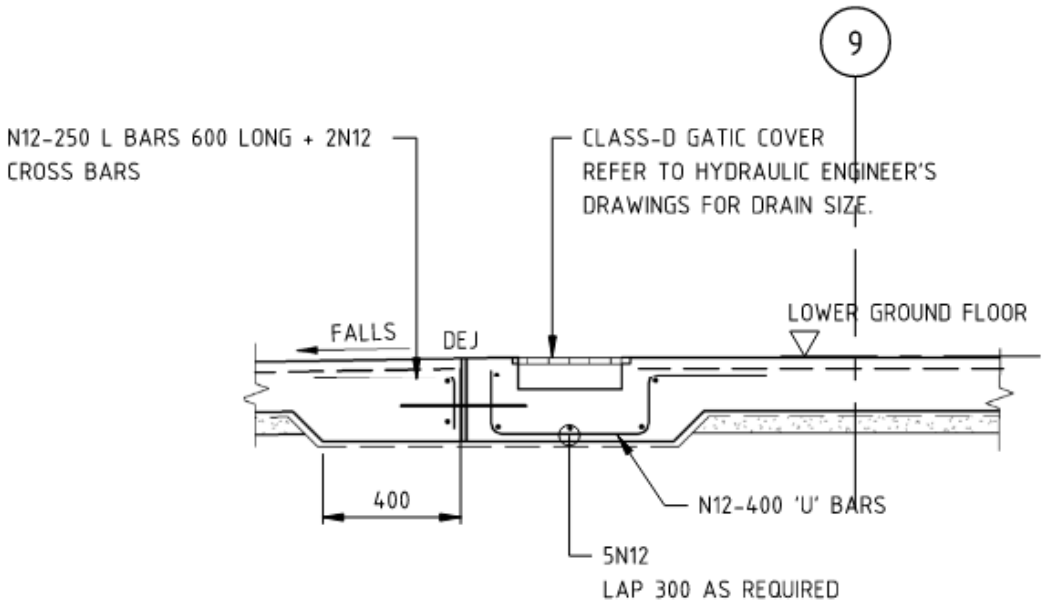
Mostly looks fine and follows our design intent with the exception of following items:

1) Mesh cut at the down location. Install 2N12, 600mm past the penetration

2) Cannot see photos of the pad footings PF3 shown below. Ensure these are placed.



3) The trench shown in section 2 above is not formed. Ensure this is rectified prior to pouring.



SECTION 2 / 05.00

Item 2 and 3 are very important to rectfiy ASAP prior to pour.

Please rectify all the items and send photos for review and approval prior to pouring concrete. Ensure you:
* clean out all the water and loose debris
* Ensure correct cover to reinforcement is achieved and maintained throughout the pour
* Ensure concrete is not placed from heights and vibrated as per the Australian standards.

Can you kindly include Trudy Myers in all future correspondence?

Regards
Khalil Zahedi

From: M Zabica
Sent: 01/02/2023 1:36:57 PM AEDT (GMT +11:00)
To: George Awad, Khalil Zahedi
Cc: Kieran Hill, Matthew Olszewski, Malcolm Pack, Robert Torchia, Mark Zabica

Mail Number: ADCO Con-GCOR-005645
Subject: Re: TAFE IATC - SOG Photo Inspection

Hi Khalil,

Please see attached photos for SOG Pour 8 for your review intended to be poured tomorrow.

Thanks,
MARK ZABICA
CADET

02 8437 5000
0424 483 001

LEVEL 2, 7-9 WEST STREET
NORTH SYDNEY NSW 2060
ADCOCONSTRUCT.COM.AU

From: K Zahedi
Sent: 01/02/2023 8:43:34 AM AEDT (GMT +11:00)
To: George Awad
Cc: Kieran Hill, Matthew Olszewski, Malcolm Pack, Robert Torchia, Mark Zabica
Mail Number: NE-RTRFI-000213
Subject: Re: TAFE IATC - SOG Photo Inspection

Hi George,

We can review photos for this zone. Please send photos today for review to allow you time for rectification prior to tommorow's pour.

Regards
Khalil Zahedi

From: G Awad
Sent: 31/01/2023 2:33:45 PM AEDT (GMT +11:00)
To: Khalil Zahedi
Cc: Kieran Hill, Matthew Olszewski, Malcolm Pack, Robert Torchia, Mark Zabica
Mail Number: ADCO Con-RFI-001962
Subject: TAFE IATC - SOG Photo Inspection

Hi Khalil,

As discussed over the phone earlier. we would like to conduct a photo inspection of the slab on ground to the southern outdoor workshop.
See attached markup of the SOG that we will be pouring on Thursday 2nd February.
Thank You,
George Awad
Project Engineer

02 8437 5000
0427 318 798
Level 2, 7-9 West Street
North Sydney NSW 2060
gawad@adcoconstruct.com.au

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: **IATC** **Principal Contractor:** ADCO Constructions P/L

Pour location/description:
LGF pour 8 SE

Prepared by: M. Lentini

Pour Date: 02/02/2023

Check/Inspections Required	Please Circle	Inspection closed out:
Subcontractor is working from the latest drawings & documentation	(Yes) / No / Not required	
Reinforcement installed as documented, or as engineers instructions. (Complying with AS3600)	(Yes) / No / Not required	
Cover is adequate as per structural engineers design	(Yes) / No / Not required	
~~ACOR: L~~ap / splice and location requirements achieved	(Yes) / No / Not required	
Bar caps placed over vertical reinforcements elements	(Yes) / No / Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes) / No / Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes) / No / Not required	

Mesh over deep beam sections as per project requirements	**Yes / No / Not required**
Reinforcement independently chaired	**Yes / No / Not required**

Builder witness and sign off:

Date:

Reinforcement fixing checklist closed out: 02/02/2023

Foreman / Supervisor: Munkhdemberel **Date:** 02/02/2023

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: LGF POUR 8

ITP No. 86

DATE: 2/2/2023

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	2/2		
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	2/2	DK	
2	**DRAWING NUMBERS USED:** A 1950 Rev 18 ST 05.00 Rev 7	TF	2/2	DK	
3	**Send highlighted drawings to office**	TF	2/2	DK	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	2/2	DK	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	2/2	DK	
6	Clean area	TF	2/2	DK	
7	**HANDOVER**	TF	2/2	DK	
8	**Reo Installation**	Builder	2/2		
Hold	**Reinforcement Inspection by Builder**	Builder			
Witness	**Check quality of formwork (ply/timber) used**	Builder			
9	Install set downs - Sign off	TF	2/2	DK	
10	Install sleeves	TF	2/2	DK	
11	Install cast-ins	TF	2/2	DK	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	2/2	DK	
13	Formwork Engineer inspection if required	TF	/	/	
14	Rectify any Engineers comments	TF	/	/	
15	Clean deck	TF	/	/	
Hold	**Formwork Inspection by Builder for Sign off**	Builder			
16	**Concrete Pour**		2/2	DK	

Comments

SECTION 5

Adco Constructions Pty Ltd
- ADCO Tafe Kingswood
First Ave,
Kingswood, NSW, 2747

2-Feb-2023

TRAINO
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

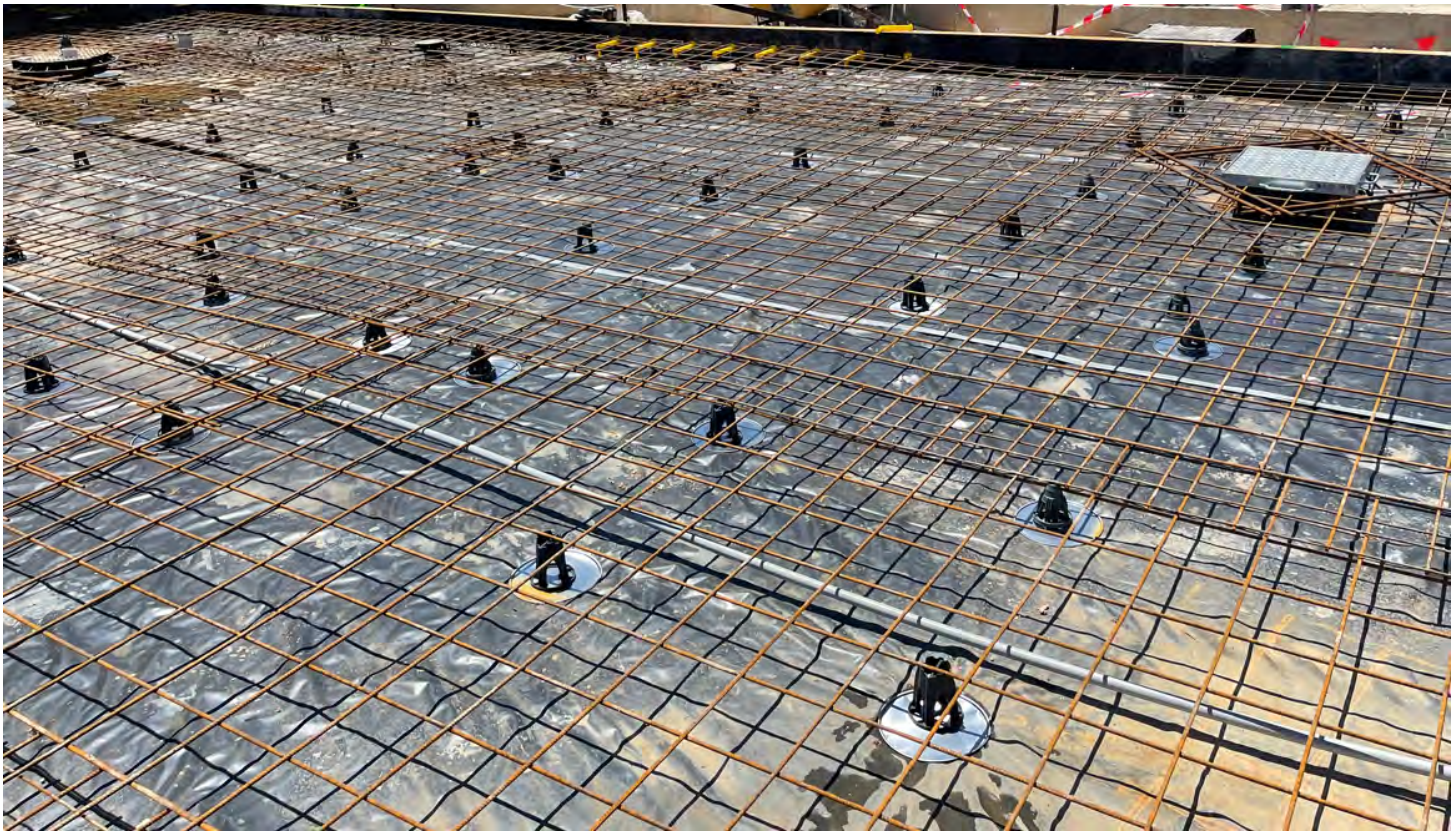
Level/Location	LG
Element	Slab on Ground
Grid Reference	Slab on ground pour
Drawings	
Drawing No	NE-ST-DWG-C1-05.00
Rev No	7
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	

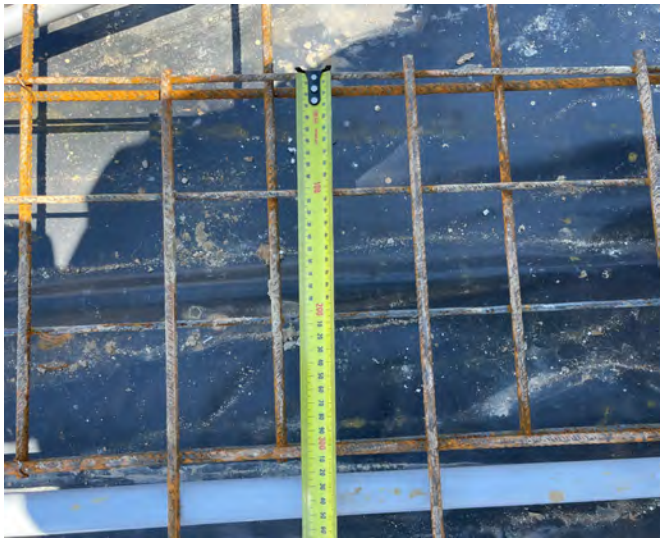
Activity	
Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection

Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Inspection
Formworkers to check column base is free from debris (Visual Check)	Inspection
Check surface finish is acceptable (Against drawings/specifications)	Inspection
Comments	
Photos	

Authorisations	
Client & Traino Group confirmation of inspection (where applicable)	
Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	2/02/2023
Accepted By (client representative name)	Robert Torchia
Signature	
Date	2/02/2023

SECTION 6





ADCO ITP Documentation

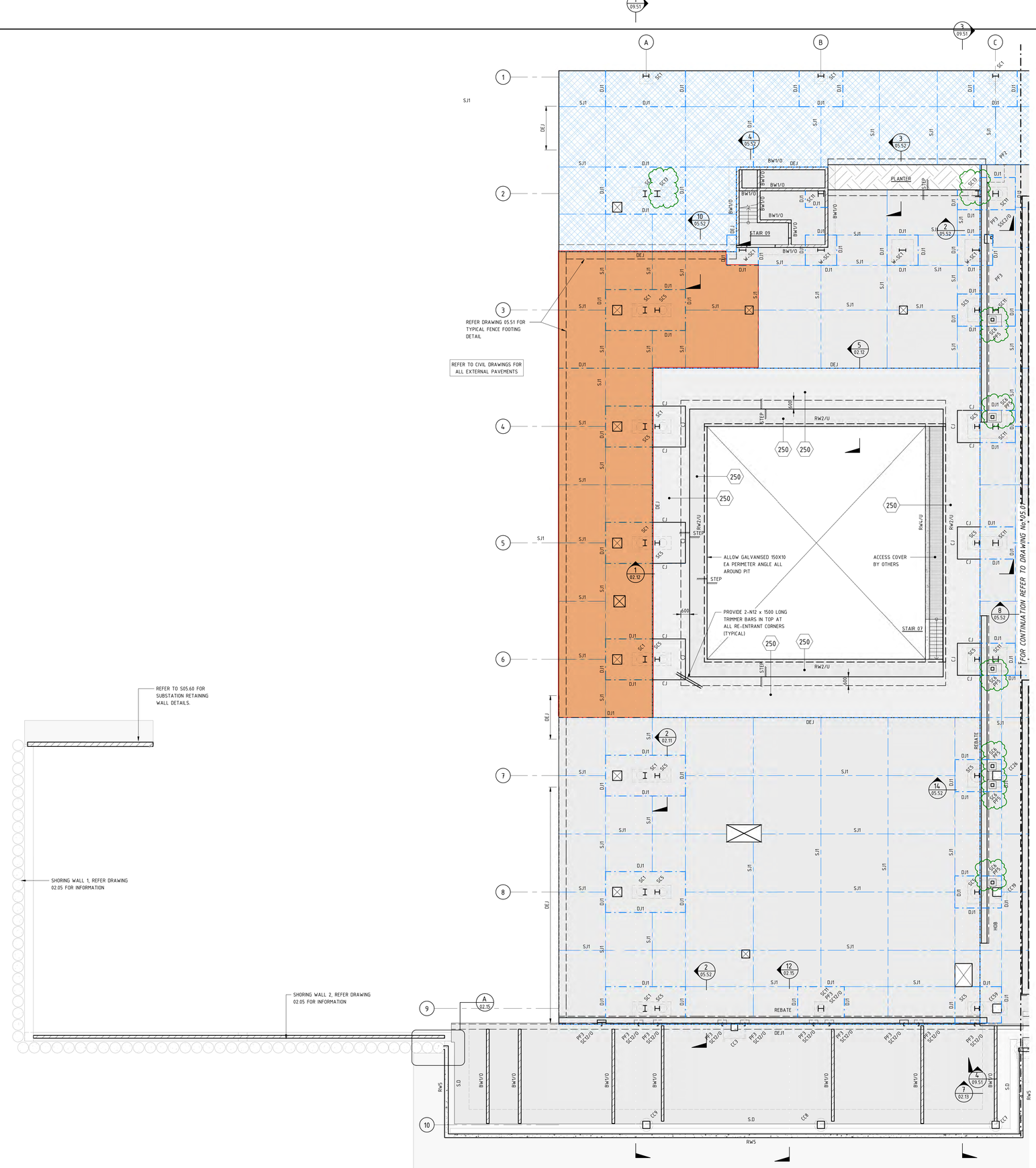
Trade Discipline: FRP

ADCO

LGF Pour 9

Contents

SECTION 1



LOWER GROUND FLOOR SLAB PLAN - GRID A - C

GENERAL NOTES:

FOR STRUCTURAL SPECIFICATIONS REFER TO DRAWINGS S00.11 AND S00.12.

CONCRETE SLAB STRENGTH TO BE f'c = 32MPa.

SLAB ON GRADE TO BE 160mm THICK WITH SL92 MESH TOP. POURED ON 0.2mm POLYTHENE SHEETING OVER 50mm SAND BLINDING LAYER. SAWCUTS TO BE AT A MAXIMUM SPACING OF 4500mm IN BOTH DIRECTIONS FOR INTERNAL SLABS. EVERY FOURTH JOINT TO BE A DOWEL JOINT (DJ1).

UNLESS DENOTED OTHERWISE, 120mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL92 MESH TOP. 150mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL81 MESH TOP AND BOTTOM. INTERNAL RIBS TO BE AT A MAXIMUM 1200 CENTRES WITH 1N12 BOTTOM. CAST SLABS ON 300mm DEEP WAFFLE PODS PLACED ON 0.2mm POLYTHENE SHEETING ON A NOMINAL LEVELING LAYER OF SAND.

WAFFLE SLAB TO BE DESIGNED IN ACCORDANCE WITH AS2870 FOR CLASS H1 SITE.

2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

PROVIDE 400 DEEP x 400 WIDE THICKENING TO ALL NON-LOAD BEARING BLOCK WALLS NSOP

ALL FALLS AND STEPS TO ARCHITECT'S DETAILS.

NON-STRUCTURAL HOBS & KERBS ARE NOT SHOWN, REFER TO ARCHITECT'S DRAWINGS FOR EXTENT & LOCATION.

REFER TO ARCHITECTS DRAWINGS FOR SPOON DRAIN AND GRATED DRAIN EXTENT AND LOCATIONS.

REFER TO ARCHITECTURAL DRAWINGS FOR SLAB JOINT LOCATION AND SETOUT.

LEGEND

- 200 — DENOTES CONCRETE THICKNESS
- CW1 — REFER ARCHITECTURAL DRAWINGS FOR SETDOWN DIMENSION
- CW1 — DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
- BW1 — DENOTES LOAD BEARING MASONRY WALL OVER AND UNDER
- G.D — DENOTES GRATED DRAIN
- S.D — DENOTES SPOON DRAIN
- SJ1 — DENOTES SAWN JOINT
- DJ1 — DENOTES DOWELLED JOINT
- DEJ — DENOTES DOWELLED EXPANSION JOINT. REFER TO TYPICAL SOG DETAILS. PROVIDE DEJ AT ALL DOORWAYS AND OPENINGS
- ADJ1 — DENOTES ARMOURED DOWELLED JOINT
- GADJ1 — DENOTES GALVANISED ARMOURED DOWELLED JOINT

DENOTES 100mm THICK UNBONDED TOPPING SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS.
- PROVIDE SL82 MESH TOP AND JOINT LOCATIONS TO MATCH BASE SLAB
- PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB.

DENOTES FOR 30mm GRANOLITHIC TOPPING - REFER TO ARCHITECT FOR DETAILS.
- ALLOW FOR JOINTS IN GRANO TOPPING. TO BE REFLECTED AT ALL BASE SLAB JOINT LOCATIONS

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	N16-200 VERT & N16-200 HORIZ. EF
CORE-FILLED BLOCK		
BW1	190	PROVIDE N16-200 VERT & N12-200 HORIZ (CENTRAL TO WALL)
BW2	190	PROVIDE N16-200 VERT & N12-400 HORIZ (CENTRAL TO WALL)
BW3	190	PROVIDE N16-200 VERT & N16-200 HORIZ (CENTRAL TO WALL)
RETAINING WALL		
RW1	290	CORE FILLED, N16-200 VERTICAL, N16-200 HORIZONTAL
RW2	190	CORE FILLED, N20-200 VERTICAL, N16-400 HORIZONTAL
RW3	190	CORE FILLED, N16-200 VERTICAL, N16-400 HORIZONTAL
RW4	250	N16-200 VERTICAL, N12-200 HORIZONTAL EF
RW5	250	N20-150 VERTICAL, N20-200 HORIZONTAL EF
RW6	250	N20-150 VERTICAL, N16-200 HORIZONTAL EF

STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENT(S)
COLUMN		
SC1	400 WC 144 + 50X5 EA 100 LONG AT 1000 CTS EACH SIDE	FABRICATED STEEL SECTION WITH OFFSET WEB. CUSTOM BUILT. ALL PLATES TO BE FSBW AND GROUND FLUSH. REFER TO TYPICAL DETAIL
SC3	250 x 250 x 6.0 SHS	STUB COLUMN
SC4	150 x 50 x 6.0 RHS	2m MAX CENTRES, 2 HOURS FIRE RATED, ALLOW FOR 20 THICK BEARING PLATE TO UNDERSIDE OF BEAM
SC5	310 UC 118	
SC6	200 x 200 x 9.0 SHS	
SC7	200 UC 46.2	
SC8	100 x 100 x 5.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SC13	400 WC 181	
SC14	89 x 89 x 5.0 SHS	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
W-SC1	460 UB 67.1	
W-SC2	100 x 100 x 6.0 SHS	

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
2	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.02.22
3	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	04.03.22
4	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.03.22
5	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	14.04.22
6	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	11.05.22
7	REVISED FOR CONSTRUCTION	RS	NB	TM	26.05.22

ARCHITECT

GRAY PUKSAND

CLIENT

NSW GOVERNMENT | TAFE NSW

PROJECT

TAFE NSW CONSTRUCTION CENTRE OF EXCELLENCE
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

DRAWING TITLE

STRUCTURAL DRAWING
LOWER GROUND FLOOR SLAB PLAN - GRID A-C

JOB NUMBER **S202025**

DRAWING NUMBER **NE-ST-DWG-C1-05.00**

DRAWING SHEET SIZE = A0

REVISION **7**

FOR CONSTRUCTION

DRAWN ROBERT STEVENS DESIGNED TRUDY MYERS JOB MANAGER TRUDY MYERS VERIFIER -

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	28.02.2023

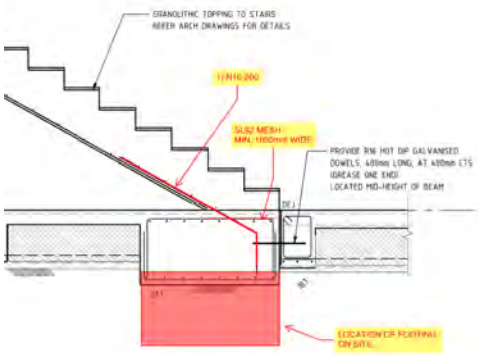
To	Cop	Company	Attention
X		ADCO	GEORGE AWAD, MATTHEW OLSZEWSKI

Site visit requested by: GEORGE AWAD
Reason for visit: Bleacher Stairs and SOG near civil sand pit

We confirm, having inspected the above, at the time of inspection, work was found to be in general accordance with the structural intent with the exception to the below items:

Bleacher Stair:

1) Install N16-200 start as shown below with SL92 mesh top for crack control



2) At Saw cut location, the top mesh was completely cut throught instead of every second bar. To rectify this, use of the two options below and notify Northrop on which option ADCO will proceed with:
   A) Use 1200mm N12 and lap with mesh longitudinal bars at every second bar.
   B) Use 1200mm wide mesh and place at the centre of the location where mesh was cut to lap with mesh on both sides (of the cut). Cut every second longindinal bars as per typical Saw Cut details.
3) Dowel joint not yet installed. Refer to the attached markup plan for the location
4) Dowel expansion joint not yet installed. Refer to the attached markup plan for the location.

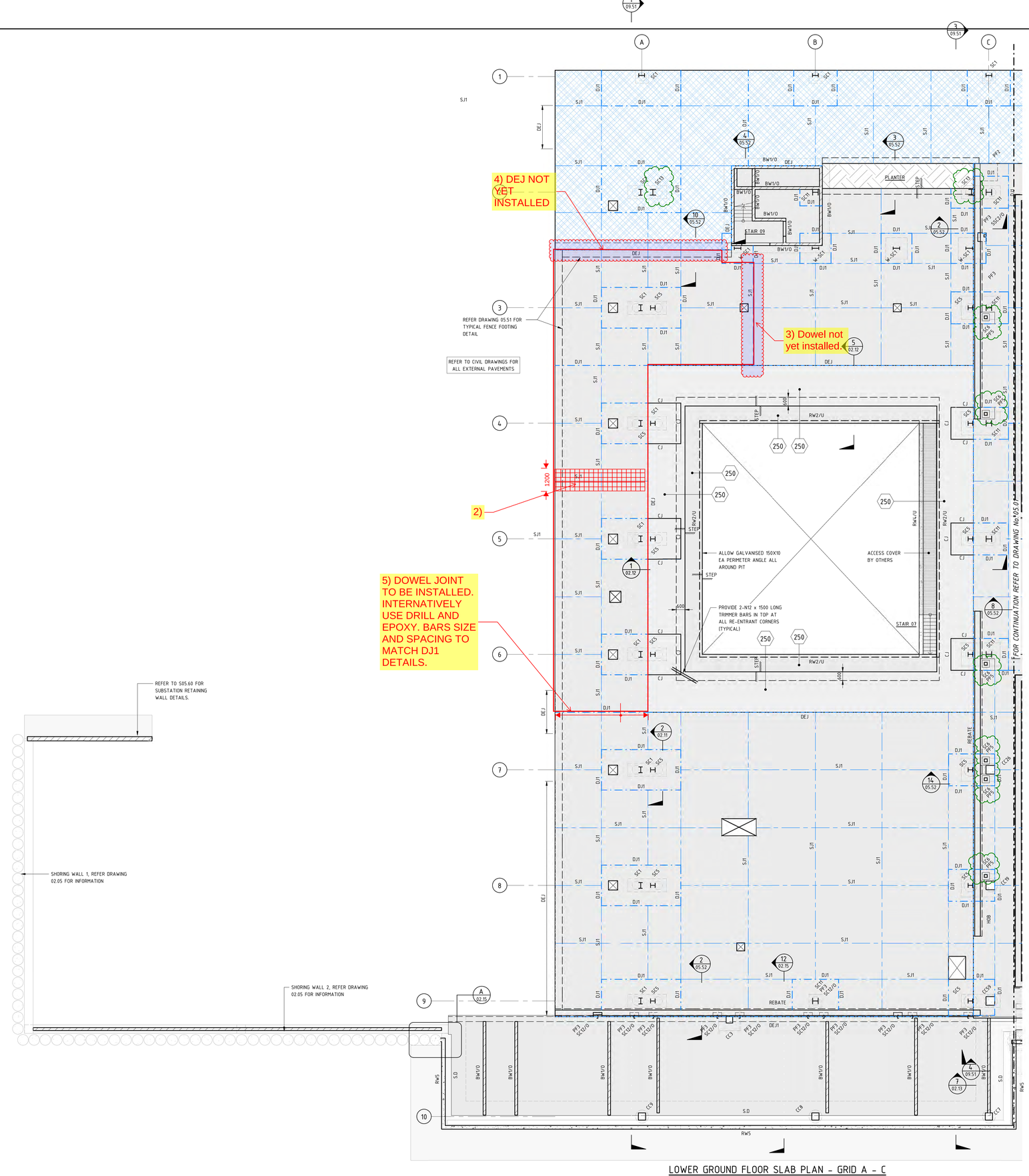
5) Dowel joint between grid 6-7 were not installed during previous pour. Please drill and epoxy bars in lieu of DJ1 with min 200 embedment. Bar size and spacing to match DJ1 details.

General:

- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. ADCO are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature: Received: 28.02.2023



LOWER GROUND FLOOR SLAB PLAN - GRID A - C

GENERAL NOTES:

FOR STRUCTURAL SPECIFICATIONS REFER TO DRAWINGS S00.11 AND S00.12.

CONCRETE SLAB STRENGTH TO BE f'c = 32MPa.

SLAB ON GRADE TO BE 160mm THICK WITH SL92 MESH TOP. POURED ON 0.2mm POLYTHENE SHEETING OVER 50mm SAND BLINDING LAYER. SAWCUTS TO BE AT A MAXIMUM SPACING OF 4500mm IN BOTH DIRECTIONS FOR INTERNAL SLABS. EVERY FOURTH JOINT TO BE A DOWEL JOINT (DJ1).

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2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

PROVIDE 400 DEEP x 400 WIDE THICKENING TO ALL NON-LOAD BEARING BLOCK WALLS NSOP

ALL FALLS AND STEPS TO ARCHITECT'S DETAILS.

NON-STRUCTURAL HOBS & KERBS ARE NOT SHOWN, REFER TO ARCHITECT'S DRAWINGS FOR EXTENT & LOCATION.

REFER TO ARCHITECTS DRAWINGS FOR SPOON DRAIN AND GRATED DRAIN EXTENT AND LOCATIONS.

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LEGEND

- 200 — DENOTES CONCRETE THICKNESS
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- ALLOW FOR JOINTS IN GRANO TOPPING. TO BE REFLECTED AT ALL BASE SLAB JOINT LOCATIONS

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
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STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENT(S)
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SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
W-SC1	400 UB 67.1	
W-SC2	100 x 100 x 6.0 SHS	

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
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3	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	04.03.22
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ARCHITECT
GRAY PUKSAND

CLIENT
NSW GOVERNMENT TAFE NSW

PROJECT
TAFE NSW CONSTRUCTION CENTRE OF EXCELLENCE
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

DRAWING TITLE
STRUCTURAL DRAWING LOWER GROUND FLOOR SLAB PLAN - GRID A-C

JOB NUMBER S202025
DRAWING NUMBER NE-ST-DWG-C1-05.00
DRAWING SHEET SIZE = A0
REVISION 7

FOR CONSTRUCTION

DRAWN: ROBERT STEVENS DESIGNED: TRUDY MYERS JOB MANAGER: TRUDY MYERS VERIFIER: -

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: **IATC** **Principal Contractor:** ADCO Constructions P/L

Pour location/description:
LGF Pour 9

Prepared by: M. Lentini

Pour Date: 01/03/2023

Check/Inspections Required	Please Circle	Inspection closed out:
Subcontractor is working from the latest drawings & documentation	Yes / No / Not required	
Reinforcement installed as documented, or as engineers instructions. (Complying with AS3600)	Yes / No / Not required	
Cover is adequate as per structural engineers design	Yes / No / Not required	
~~ACOR: L~~ap / splice and location requirements achieved	Yes / No / Not required	
Bar caps placed over vertical reinforcements elements	Yes / No / Not required	
Items on engineers inspection closed out prior to concrete pour	Yes / No / Not required	
Noted defects / incomplete works closed out prior to concrete pour	Yes / No / Not required	

Mesh over deep beam sections as per project requirements	**Yes / No / Not required**
Reinforcement independently chaired	**Yes / No / Not required**

Builder witness and sign off:

Date:

Reinforcement fixing checklist closed out: 01/03/2023

Foreman / Supervisor: Munkhdemberel **Date:** 01/03/2023

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

ITP No. 91

PROJECT: TAFE NSW KINGSWOOD

DATE: 1/3/2023

WORK AREA: LGF POUR 9

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder			
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	1/3	DK	
2	**DRAWING NUMBERS USED:** A 1950 Rev 18 ST 05.00 Rev 7	TF	1/3	DK	
3	**Send highlighted drawings to office**	TF	1/3	DK	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	1/3	DK	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	1/3	DK	
6	Clean area	TF	1/3	DK	
7	**HANDOVER**	TF	1/3	DK	
8	**Reo Installation**	Builder	1/3	RT	
Hold	**Reinforcement Inspection by Builder**	Builder	1/3	RT	
Witness	**Check quality of formwork (ply/timber) used**	Builder	1/3	RT	
9	Install set downs - Sign off	TF	1/3	DK	
10	Install sleeves	TF	1/3	DK	
11	Install cast-ins	TF	1/3	DK	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	1/3	DK	
13	Formwork Engineer inspection if required	TF	1/3	DK	N/A
14	Rectify any Engineers comments	TF	1/3	DK	N/A
15	Clean deck	TF	1/3	DK	N/A
Hold	**Formwork Inspection by Builder for Sign off**	Builder			—
16	**Concrete Pour**		1/3	DK	

Comments

SECTION 5

Adco Constructions Pty Ltd
- ADCO Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

22-Feb-2023

TRAINO
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	Grid A-C/1-7
Drawings	
Drawing No	
Rev No	
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	

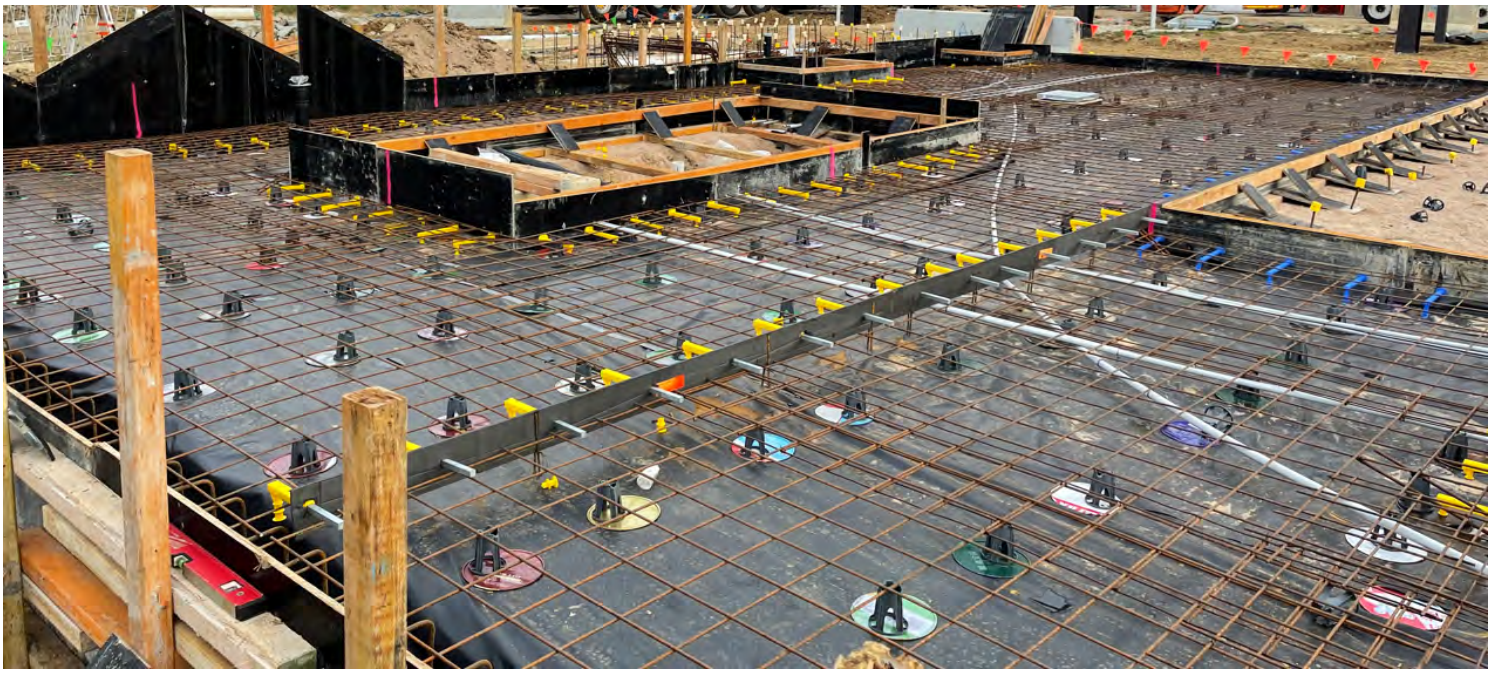
Activity	
Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection

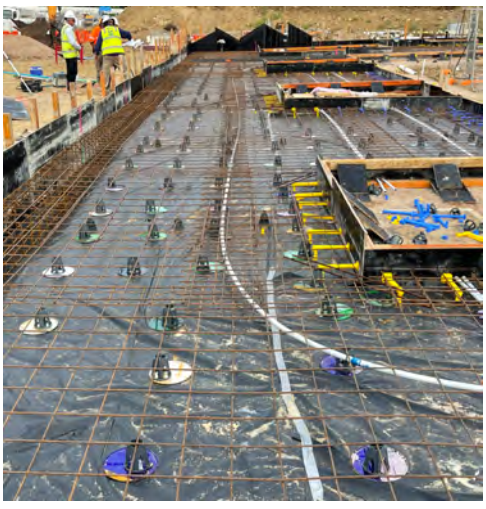
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Action
Formworkers to check column base is free from debris (Visual Check)	Inspection
Check surface finish is acceptable (Against drawings/specifications)	Inspection
Comments	Poured additional blockfill variation
Photos	

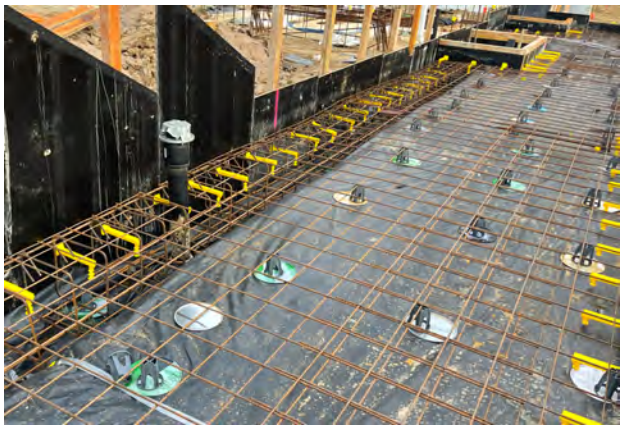

TRAINO

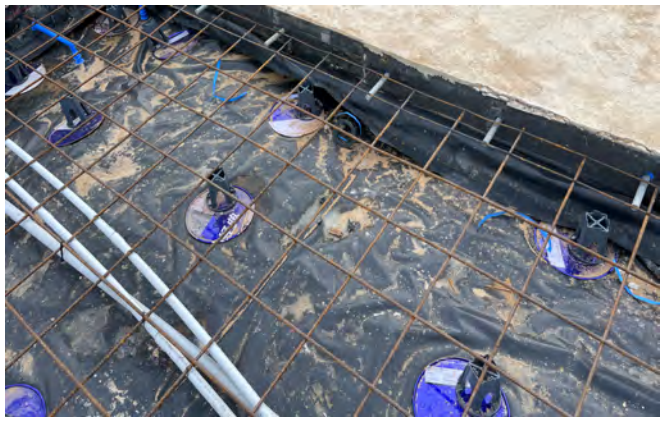
Authorisations	
Client & Traino Group confirmation of inspection (where applicable)	
Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	1/03/2023
Accepted By (client representative name)	Robert Torchia
Signature	
Date	1/03/2023

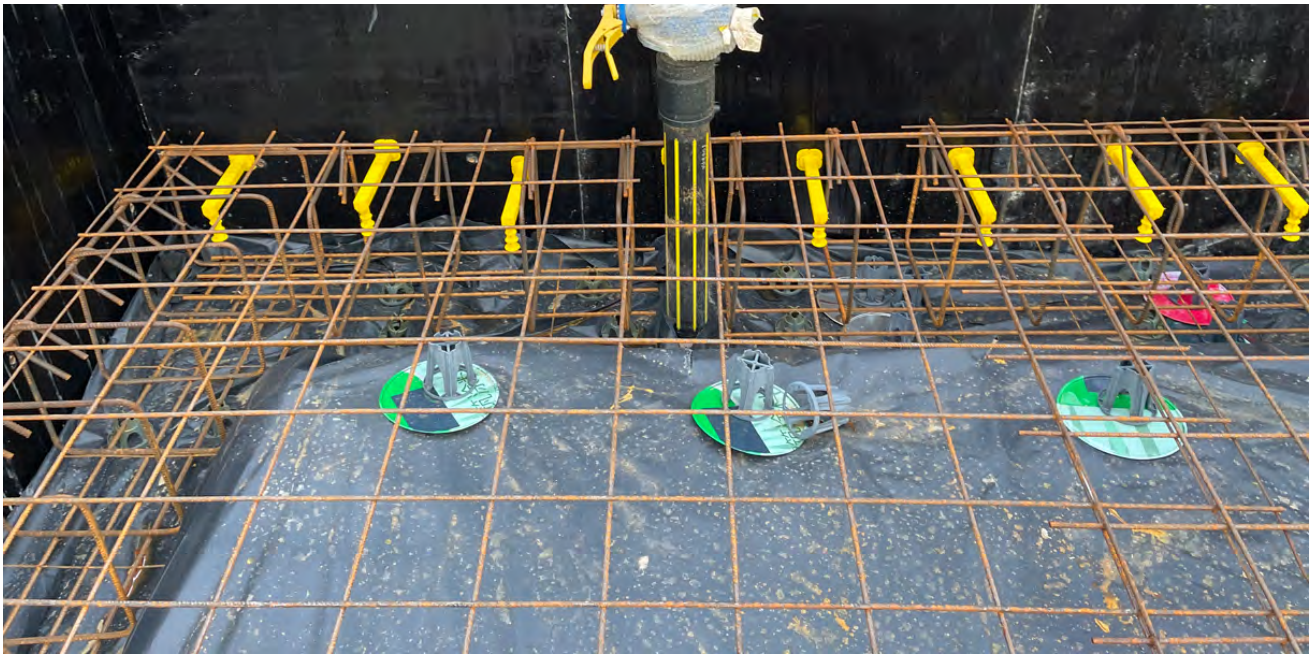
SECTION 6











ADCO ITP Documentation

Trade Discipline: FRP

ADCO

LGF Pour 10

Contents

SECTION 1

REFER DRAWING 05.51 FOR TYPICAL FENCE FOOTING DETAIL

REFER TO CIVIL DRAWINGS FOR ALL EXTERNAL PAVEMENTS

FOR CONTINUATION REFER TO DRAWING No. 05.01

FOR WALL 2, REFER DRAWING FOR INFORMATION

ALLOW GALVANISED 150X10 EA PERIMETER ANGLE ALL AROUND PIT

PROVIDE 2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

ACCESS COVER BY OTHERS

PLANTER

STEP

STAIR 09

STAIR 07

REBATE

HOB

LOWER GROUND FLOOR SLAB PLAN - GRID A - C

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	14.03.2023

To	Cop	Company	Attention
X		ADCO	GEORGE AWAD, MATTHEW OLSZEWSKI

Site visit requested by: GEORGE AWAD
Reason for visit: SOG Lower ground next to the civil pit

We confirm, having inspected the above, at the time of inspection, work was found to be in general accordance with the structural intent with the exception to the below items:

SOG:

1) Finish boxing out around the columns various locations
2) Cut top mesh over civil pit and install trimmer bars and able flex around the pit as per civil details.
3) Finish installing trimmer bars at re-entrant corners and at pit corners at various locations. Typical.
4) Finish installing the dowel bars. Dowel sleeve caps were installed at most locations.

Level 1 suspended slab adjacent to Core 2:

5) Finish the non-shrink level grout under the base plates
6) Ensure all through bolts are tightened under the slab
7) Fire protection coating damaged at various locations. Make good all damaged fire protection coating.

Below shows the extent of the slab on ground inspected:

General:

- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. ADCO are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature: Received: 15.03.2023

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: **IATC** **Principal Contractor:** ADCO Constructions P/L

Pour location/description:
LGF pour 10

Prepared by: M. Lentini

Pour Date: 21/03/2023

Check/Inspections Required	Please Circle	Inspection closed out:
Subcontractor is working from the latest drawings & documentation	(Yes) / No / Not required	
Reinforcement installed as documented, or as engineers instructions. (Complying with AS3600)	(Yes) / No / Not required	
Cover is adequate as per structural engineers design	(Yes) / No / Not required	
~~ACOR: L~~ap / splice and location requirements achieved	(Yes) / No / Not required	
Bar caps placed over vertical reinforcements elements	(Yes) / No / Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes) / No / Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes) / No / Not required	

Mesh over deep beam sections as per project requirements	**Yes / No / Not required**
Reinforcement independently chaired	**Yes / No / Not required**

Builder witness and sign off:

Date:

Reinforcement fixing checklist closed out: 21/03/2023

Foreman / Supervisor: Munkhdemberel **Date:** 21/03/2023

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: LGF 10

ITP No. 94

DATE: 17/3/2023

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	17/03	RA	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	17/3	DK	
2	**DRAWING NUMBERS USED:** A 1950 Rev 18 ST 05.00 Rev 7 ST 05.01 Rev 13	TF	17/3	DK	
3	**Send highlighted drawings to office**	TF	17/3	DK	
4	Check Set-out for: - R.L. - Corner Point Location - Penetrations - Construction Joints	TF	17/3	DK	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	17/3	DK	
6	Clean area	TF	17/3	DK	
7	**HANDOVER**	TF	17/3	DK	
8	**Reo Installation**	Builder	17/03	RA	
Hold	**Reinforcement Inspection by Builder**	Builder	17/03	RA	
Witness	**Check quality of formwork (ply/timber) used**	Builder	17/03	RG	
9	Install set downs - Sign off	TF	17/3	DK	
10	Install sleeves	TF	17/3	DK	
11	Install cast-ins	TF	17/3	DK	
12	Sent ITP to office (projects@transformnsw.com.au)	TF	17/3	DK	
13	Formwork Engineer inspection if required	TF	17/3	DK	
14	Rectify any Engineers comments	TF	17/3	DK	
15	Clean deck	TF	17/3	DK	
Hold	**Formwork Inspection by Builder for Sign off**	Builder			
16	**Concrete Pour**				

Comments

SECTION 5

Adco Constructions Pty Ltd
- ADCO Tafe Kingswood
12-44 O'Connell St,,
Kingswood, New South Wales, 2747

21-Mar-2023

TRAINO
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

Level/Location	LG
Element	Slab on Ground
Grid Reference	
Drawings	
Drawing No	
Rev No	
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	

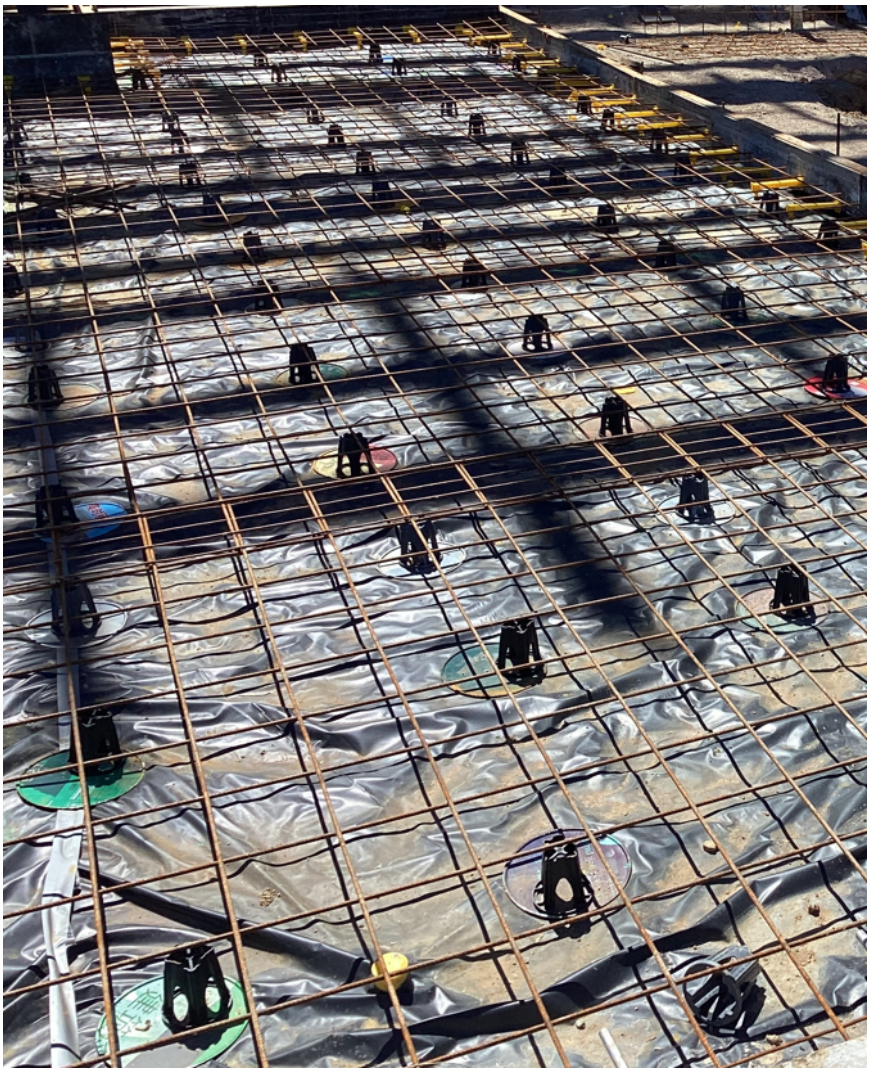
Activity	
Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection

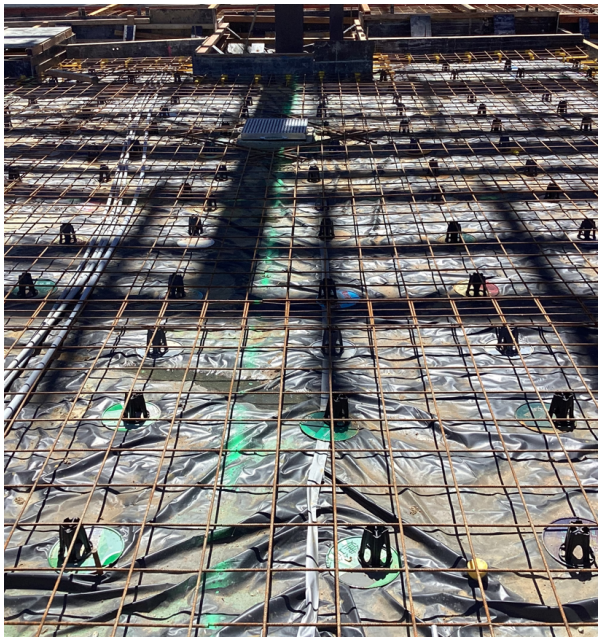
Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Inspection
Formworkers to check column base is free from debris (Visual Check)	Inspection
Check surface finish is acceptable (Against drawings/specifications)	Inspection
Comments	Pouring 40MPa Footing and wall first then 32MPa SOG Braces were not taken off. Could not pass a trowel machine due to bracing. Left to only pole trowel slab.

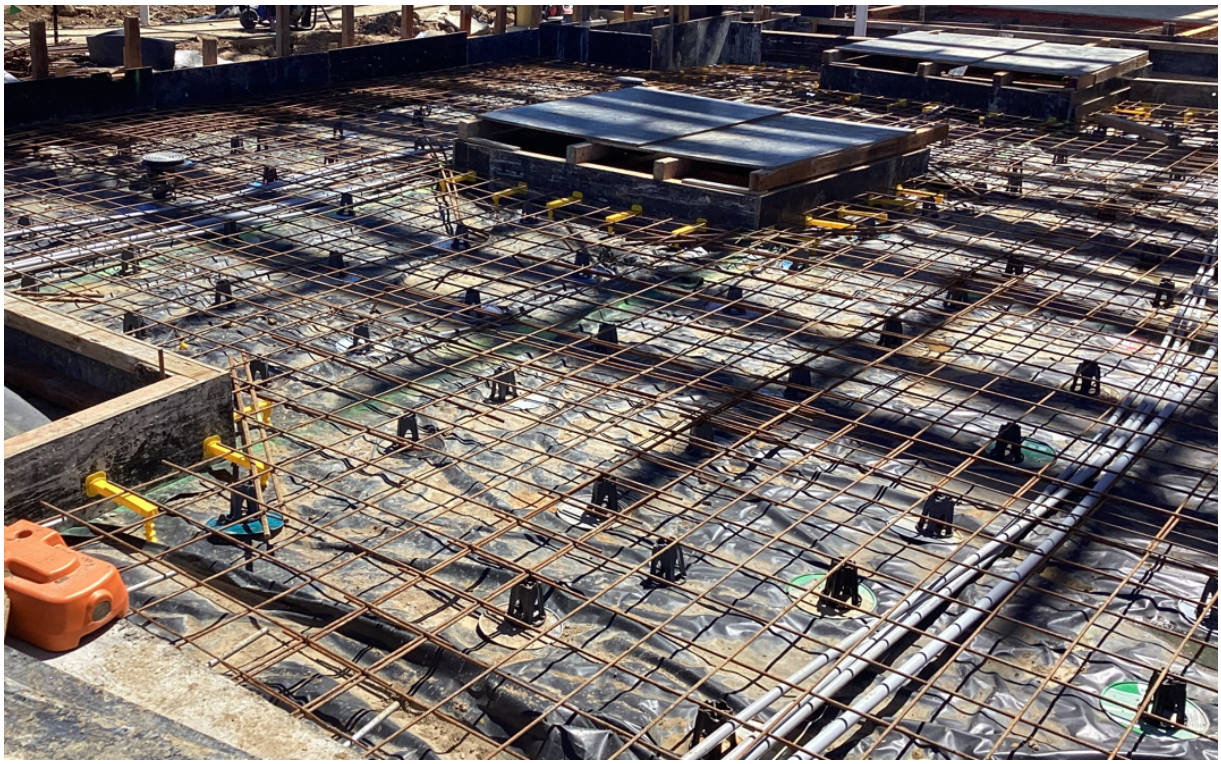
Photos

Authorisations	
Client & Traino Group confirmation of inspection (where applicable)	
Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	21/03/2023
Accepted By (client representative name)	Robert Torchia
Signature	
Date	21/03/2023

SECTION 6







ADCO ITP Documentation

Trade Discipline: FRP

ADCO

LGF Pour 11

Contents

SECTION 1

REFER DRAWING 05.51 FOR TYPICAL FENCE FOOTING DETAIL

REFER TO CIVIL DRAWINGS FOR ALL EXTERNAL PAVEMENTS

ALLOW GALVANISED 150X10 EA PERIMETER ANGLE ALL AROUND PIT

PROVIDE 2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

ACCESS COVER BY OTHERS

FOR CONTINUATION REFER TO DRAWING No.05.01

WALL 2, REFER DRAWING FOR INFORMATION

LOWER GROUND FLOOR SLAB PLAN - GRID A - C

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	04.04.2023

To	Cop	Company	Attention
X		ADCO	GEORGE AWAD, MATTHEW OLSZEWSKI

Site visit requested by: GEORGE AWAD
Reason for visit: Bleacher Stairs and SOG near civil sand pit

We confirm, having inspected the above, at the time of inspection, work was found to be in general accordance with the structural intent with the exception to the below items:

Bleacher Stair:

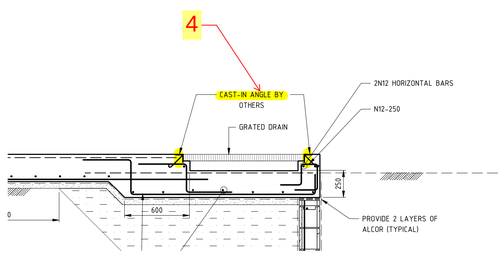
1) Install N16 Z-Bars bottom and N12 top Z-bars as per section 1 on drawings S02.12
2) Install N16 Z-Bars bottom and N12 top Z-bars as per section 1 on drawings S02.12
3) Install 3N12 bottom bars at three locations to trim the suspended slab since the back span is discontinuous due to the column block outs.
4) Finish installing reinforcement as various areas that were not completed yet
5) Finish installing the cast-in angles all around the grid.

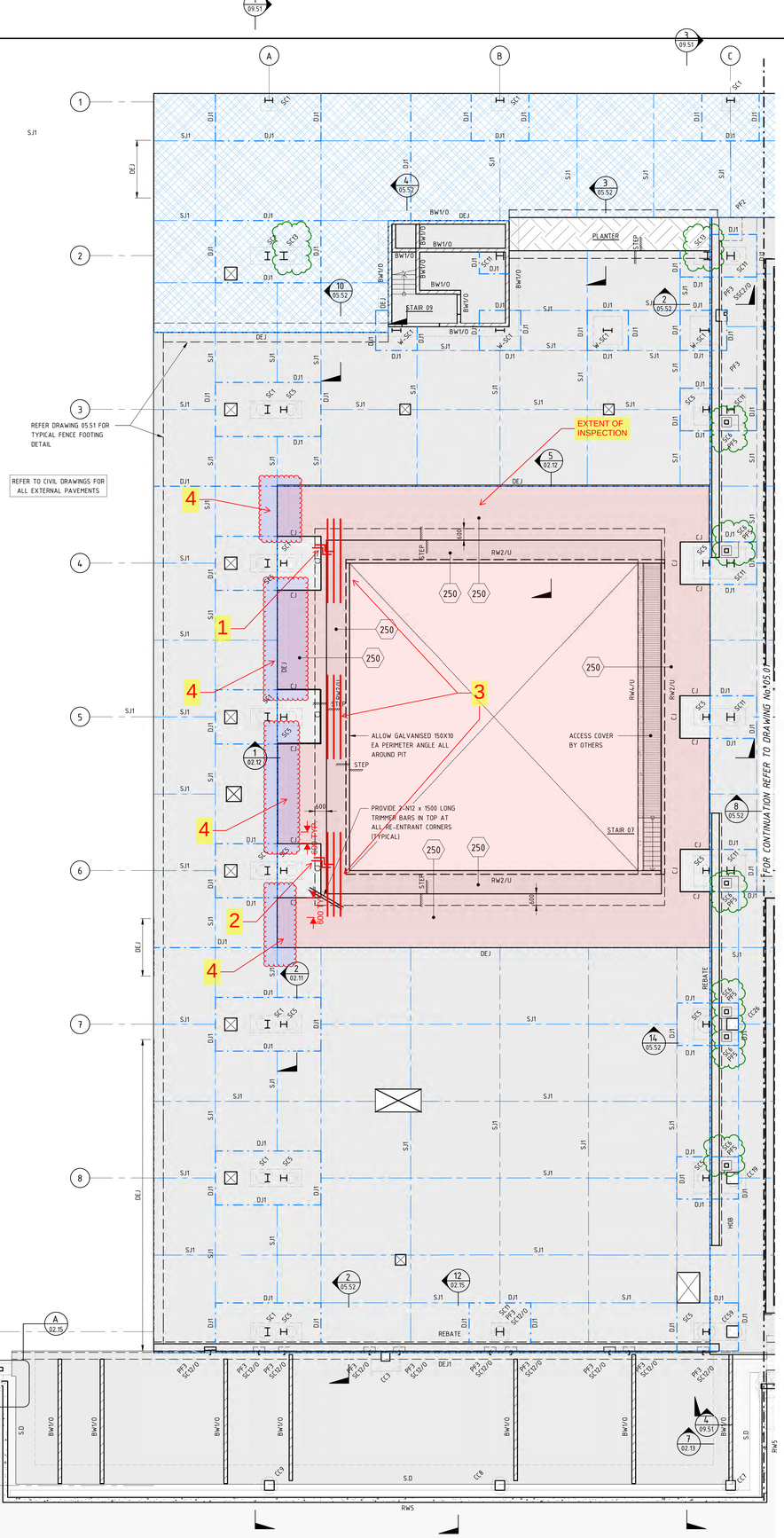
General:

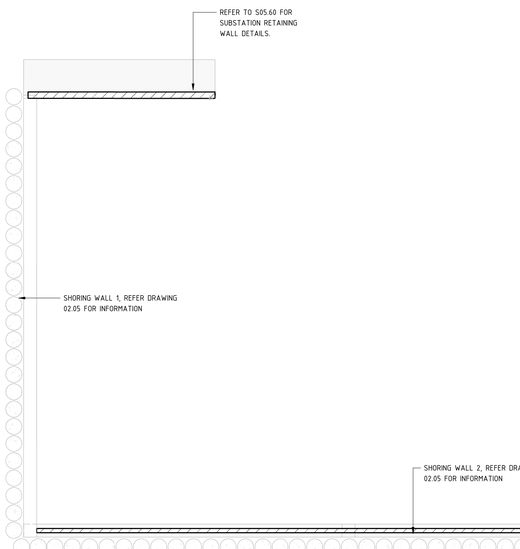
- Clean out all water and loose debris.
- Ensure correct cover to reinforcement is achieved and maintained throughout pour.
- Ensure concrete is not placed from heights and vibrate as per the stands.

Once the above-mentioned items have been completed, Northrop Engineers are satisfied that the above-mentioned items have been formed and reinforced generally in accordance with the design intent and concrete placement may proceed. ADCO are to provide photographic evidence to close out the items within this report.

From: Khalil Zahedi Signature:  Received: 04.04.2023







LOWER GROUND FLOOR SLAB PLAN - GRID A - C

GENERAL NOTES:

FOR STRUCTURAL SPECIFICATIONS REFER TO DRAWINGS S00.11 AND S00.12.

CONCRETE SLAB STRENGTH TO BE f'c = 32MPa.

SLAB ON GRADE TO BE 160mm THICK WITH SL92 MESH TOP. POURED ON 0.2mm POLYTHENE SHEETING OVER 50mm SAND BLINDING LAYER. SAWCUTS TO BE AT A MAXIMUM SPACING OF 4500mm IN BOTH DIRECTIONS FOR INTERNAL SLABS. EVERY FOURTH JOINT TO BE A DOWEL JOINT (DJ1).

UNLESS DENOTED OTHERWISE, 120mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL92 MESH TOP. 150mm THICK WAFFLE SLABS TO BE REINFORCED WITH SL81 MESH TOP AND BOTTOM. INTERNAL RIBS TO BE AT A MAXIMUM 1200 CENTRES WITH 1N12 BOTTOM. CAST SLABS ON 300mm DEEP WAFFLE PODS PLACED ON 0.2mm POLYTHENE SHEETING ON A NOMINAL LEVELING LAYER OF SAND.

WAFFLE SLAB TO BE DESIGNED IN ACCORDANCE WITH AS2870 FOR CLASS H1 SITE.

2-N12 x 1500 LONG TRIMMER BARS IN TOP AT ALL RE-ENTRANT CORNERS (TYPICAL)

PROVIDE 400 DEEP x 400 WIDE THICKENING TO ALL NON-LOAD BEARING BLOCK WALLS NSOP

ALL FALLS AND STEPS TO ARCHITECT'S DETAILS.

NON-STRUCTURAL HOBS & KERBS ARE NOT SHOWN, REFER TO ARCHITECT'S DRAWINGS FOR EXTENT & LOCATION.

REFER TO ARCHITECTS DRAWINGS FOR SPOON DRAIN AND GRATED DRAIN EXTENT AND LOCATIONS.

REFER TO ARCHITECTURAL DRAWINGS FOR SLAB JOINT LOCATION AND SETOUT.

LEGEND

- 200 — DENOTES CONCRETE THICKNESS
- DENOTES GRATED DRAIN
- S.D — DENOTES SPOON DRAIN
- SJ1 — DENOTES SAWN JOINT
- DJ1 — DENOTES DOWELLED JOINT
- DEJ — DENOTES DOWELLED EXPANSION JOINT. REFER TO TYPICAL SOG DETAILS. PROVIDE DEJ AT ALL DOORWAYS AND OPENINGS
- ADJ1 — DENOTES ARMOURED DOWELLED JOINT
- GADJ1 — DENOTES GALVANISED ARMOURED DOWELLED JOINT

DENOTES 100mm THICK UNBONDED TOPPING SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS.
- PROVIDE SL82 MESH TOP AND JOINT LOCATIONS TO MATCH BASE SLAB
- PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB.

DENOTES FOR 30mm GRANOLITHIC TOPPING - REFER TO ARCHITECT FOR DETAILS.
- ALLOW FOR JOINTS IN GRANO TOPPING. TO BE REFLECTED AT ALL BASE SLAB JOINT LOCATIONS

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	N16-200 VERT & N16-200 HORIZ. EF
CORE-FILLED BLOCK		
BW1	190	PROVIDE N16-200 VERT & N12-200 HORIZ (CENTRAL TO WALL)
BW2	190	PROVIDE N16-200 VERT & N12-400 HORIZ (CENTRAL TO WALL)
BW3	190	PROVIDE N16-200 VERT & N16-200 HORIZ (CENTRAL TO WALL)
RETAINING WALL		
RW1	290	CORE FILLED, N16-200 VERTICAL, N16-200 HORIZONTAL
RW2	190	CORE FILLED, N20-200 VERTICAL, N16-400 HORIZONTAL
RW3	190	CORE FILLED, N16-200 VERTICAL, N16-400 HORIZONTAL
RW4	250	N16-200 VERTICAL, N12-200 HORIZONTAL EF
RW5	250	N20-150 VERTICAL, N20-200 HORIZONTAL EF
RW6	250	N20-150 VERTICAL, N16-200 HORIZONTAL EF

STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENT(S)
COLUMN		
SC1	400 WC 144 + 50XS EA 100 LONG AT 1000 CTS EACH SIDE	FABRICATED STEEL SECTION WITH OFFSET WEB. CUSTOM BUILT. ALL PLATES TO BE FSBW AND GROUND FLUSH. REFER TO TYPICAL DETAIL
SC3	250 x 250 x 6.0 SHS	STUB COLUMN
SC4	150 x 50 x 6.0 RHS	2m MAX CENTRES, 2 HOURS FIRE RATED, ALLOW FOR 20 THICK BEARING PLATE TO UNDERSIDE OF BEAM
SC5	310 UC 118	
SC6	200 x 200 x 9.0 SHS	
SC7	200 UC 46.2	
SC8	100 x 100 x 5.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SC13	400 WC 181	
SC14	89 x 89 x 5.0 SHS	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
W-SC1	460 UB 67.1	
W-SC2	100 x 100 x 6.0 SHS	

FOR CONSTRUCTION

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
2	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.02.22
3	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	04.03.22
4	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	25.03.22
5	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	14.04.22
6	RE-ISSUED FOR CONSTRUCTION	RS	NB	TM	11.05.22
7	REVISED FOR CONSTRUCTION	RS	NB	TM	26.05.22

ARCHITECT

GRAY PUKSAND

CLIENT

NSW GOVERNMENT | TAFE NSW

PROJECT

TAFE NSW CONSTRUCTION CENTRE OF EXCELLENCE
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

DRAWING TITLE

STRUCTURAL DRAWING LOWER GROUND FLOOR SLAB PLAN - GRID A-C

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-05.00	
	DRAWING SHEET SIZE = A0	REVISION 7

DRAWN ROBERT STEVENS DESIGNED TRUDY MYERS JOB MANAGER TRUDY MYERS VERIFIER -

SECTION 3

ABN: 70 141 043 290
Director: Mark Lentini
Ph: +61 438 057 712
Email: m.l.steelfixing@gmail.com

INSPECTION AND TEST PLAN

Project Name: **IATC** **Principal Contractor:** ADCO Constructions P/L

Pour location/description:
Sandpit surround

Prepared by: M. Lentini

Pour Date: 14/04/2023

Check/Inspections Required	Please Circle	Inspection closed out:
Subcontractor is working from the latest drawings & documentation	(Yes) / No / Not required	
Reinforcement installed as documented, or as engineers instructions. (Complying with AS3600)	(Yes) / No / Not required	
Cover is adequate as per structural engineers design	(Yes) / No / Not required	
~~ACOR: L~~ap / splice and location requirements achieved	(Yes) / No / Not required	
Bar caps placed over vertical reinforcements elements	(Yes) / No / Not required	
Items on engineers inspection closed out prior to concrete pour	(Yes) / No / Not required	
Noted defects / incomplete works closed out prior to concrete pour	(Yes) / No / Not required	

Mesh over deep beam sections as per project requirements	**Yes / No / Not required**
Reinforcement independently chaired	**Yes / No / Not required**

Builder witness and sign off:

Date:

Reinforcement fixing checklist closed out: 14/04/2023

Foreman / Supervisor: Munkhdemberel **Date:** 14/04/2023

SECTION 4

TransForm
Formwork Contractors

FORMWORK INGROUND WORKS INSPECTION CHECKLIST

ITP No. 96

PROJECT: TAFE NSW KINGSWOOD

DATE: 14/4/2023

WORK AREA: S.O.G. AROUND SAND PIT

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	14/4		
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	14/4	DK	
2	**DRAWING NUMBERS USED:** A 1950 REV 18 ST 05.00 REV 7	TF	14/4	DK	
3	**Send highlighted drawings to office**	TF	14/4	DK	
4	Check Set-out for: - R.L - Corner Point Location - Penetrations - Construction Joints	TF	14/4	DK	
5	Check Formwork/Edge Boards for: - Plumb - Correctly Braced - Set Downs - To Approved Plans/Design - Notification to Client for Final Inspection	TF	14/4	DK	
6	Clean area	TF	14/4	DK	
7	**HANDOVER**	TF	14/4	DK	
8	**Reo Installation**	Builder	14/4		
Hold	**Reinforcement Inspection by Builder**	Builder	14/4		
Witness	**Check quality of formwork (ply/timber) used**	Builder	14/4		
9	Install set downs - Sign off	TF	14/4	DK	
10	Install sleeves	TF	14/4	DK	
11	Install cast-ins	TF	14/4	DK	
12	Sent ITP to office (projects@transformnsw com.au)	TF	14/4	DK	
13	Formwork Engineer inspection if required	TF	14/4	DK	
14	Rectify any Engineers comments	TF	14/4	DK	
15	Clean deck	TF	14/4	DK	
Hold	**Formwork Inspection by Builder for Sign off**	Builder	14/4		
16	**Concrete Pour**		14/4	DK	

Comments

SECTION 5

Adco Constructions Pty Ltd
- ADCO Tafe Kingswood
First Ave,
Kingswood, NSW, 2747

13-Apr-2023

TRAINO
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Slab on Ground V2

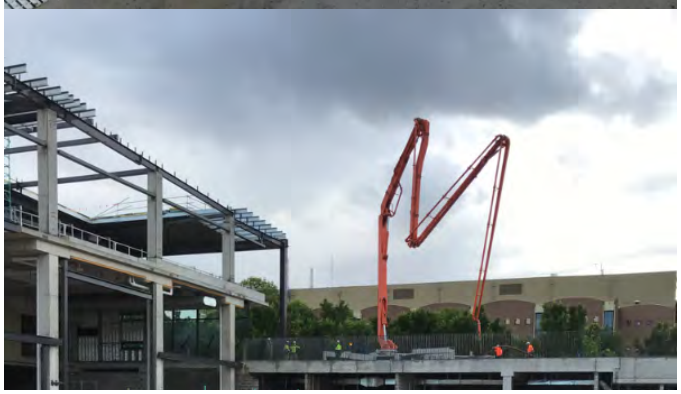
Level/Location	LG
Element	Slab on Ground
Grid Reference	SOG sandpit strip
Drawings	
Drawing No	
Rev No	
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	

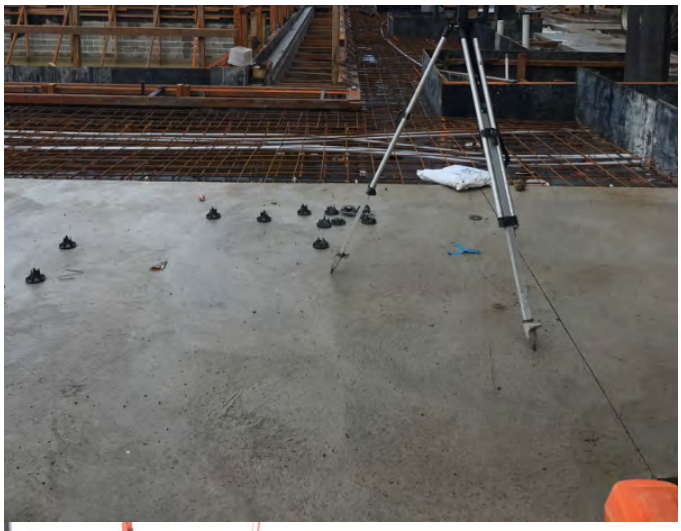
Activity	
Check Sub grade meets required Levels (Check builders QA)	Inspection
Check sub grade profile all footings & pads in correct position (Against drawings)	Inspection
Drawings used are current and dated, refer to drawing No's above (Check Drawing against transmittal)	Inspection
Check Column stubs are clean and bar in upright position (Against Drawings)	Inspection
Plastic Laid is lapped according to specification and tapped correctly (To specifications)	Inspection
Edgeboards are at correct height, plumb and level. New plywood is used to form edges. Joint types installed are as detailed on current drawing. (Against drawings/specifications)	Inspection
Inspect all joints and heights/ RL (Structure and concrete profile Drawings)	Inspection
Check plate dowels and dowel bars are upright, level and in correct position (Against drawings/specifications)	Inspection
Check reo chair sizes and available concrete cover once mesh and Reo installed (Against drawings Engineers Inspection)	Inspection
Pre pour check – Pump placing access, Vibrating / screeding equipment in good working order, removal of all debris/ loose material and free from water. Logbook required for all plant & machinery. (Deck is clean with no loose material and is free from water.)	Inspection
Check Slab RL's. Check Datum point current. Check profile of slab. (To specification and/or drawings.)	Inspection
Check delivered concrete is of correct grade. (To specification and/or drawings.)	Inspection

Ensure required concrete samples and tests are taken to assist Builder (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check curing compound applied. (To specification Safety Cure WB)	Inspection
Formworkers to check column base is free from debris (Visual Check)	Inspection
Check surface finish is acceptable (Against drawings/specifications)	Inspection
Comments	Informed ADCO Z bars are high
Photos	





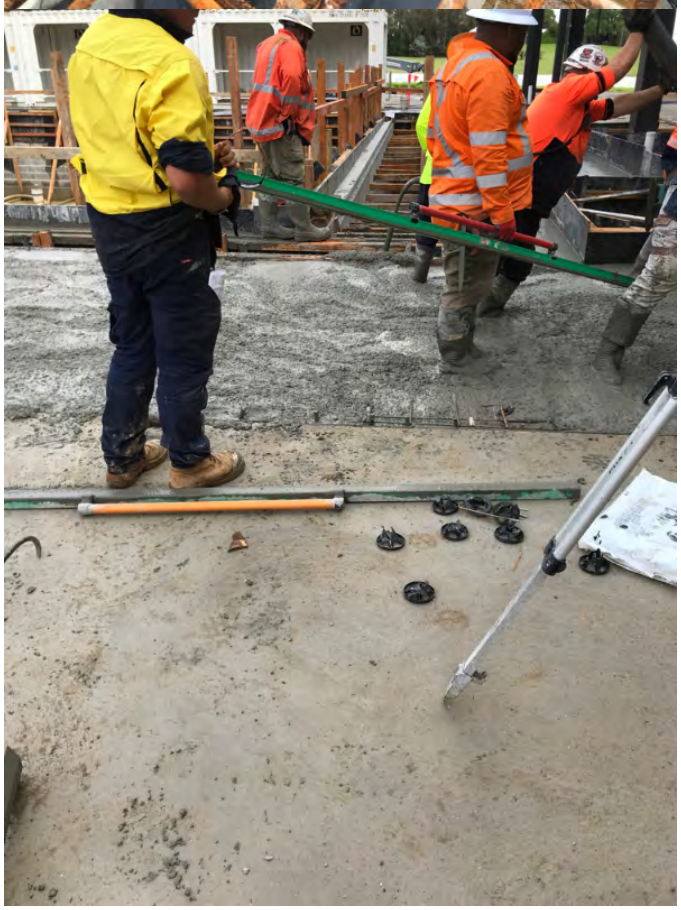



DANGER
CONCRETE
BOOM ARM
ABOVE


DANGER
CONCRETE
BOOM ARM
ABOVE


DANGER
CONCRETE
BOOM ARM
ABOVE



Authorisations	
Client & Traino Group confirmation of inspection (where applicable)	
Traino Staff member	Khatu Dinh
Traino Staff signature	KD
Date	14/04/2023
Accepted By (client representative name)	Robert Torchia

Signature	
Date	14/04/2023

SECTION 6