ADCO ITP Documentation

Trade Discipline: FRP

ADCO

UGF Pour 1

Contents

SECTION 1

UPPER GROUND FLOOR SLAB PLAN - GRID C - I

ISSUE FOR CDCV2.2

GENERAL NOTES:

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

ALL SLABS TO BE 160mm THICK AND POST-TENSIONED BY OTHERS, UNLESS NOTED OTHERWISE. POST-TENSIONING AND REINFORCEMENT RATES BY POST-TENSIONING CONTRACTOR. ALLOW FOR ADDITIONAL 5 KG/M3 FOR DIAGRAM REINFORCING FOR EACH PT SLAB

CONCRETE SLAB STRENGTH TO BE f'c = 40MPa

ALL FALLS TO ARCHITECT'S DETAILS.

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

ALL DIMENSIONS NOTED ARE MINIMUM DIMENSIONS.

ALL EXTERNAL AREAS TO HAVE WATERPROOF MEMBRANE TO ARCHITECTS DETAIL.

ALL CONCRETE STAIRS TO HAVE 220 THICK THROAT THICKNESS, 220 THICK LANDINGS UNO

FLOOR BOXES SHOWN INDICATIVELY ONLY. FINAL LCOATION, SIZE AND SET OUT TO ARCHITECTS DETAIL

REFER TO ELEVATIONS FOR SECONDARY STEEL

ALLOW FOR 380PFC FASCIA (NON-STRUCTURAL) TO PERIMETER OF BUILDING NOT SHOWN FOR CLARITY- REFER TO ARCH. DRAWINGS FOR EXTENT AND DETAILS

POST-TENSIONING NOTES:

REFER TO POST-TENSIONING NOTES FOR DESIGN AND CONSTRUCTION ON DRAWING S00.11.

SLAB AND BEAM THICKNESSES INDICATED ON PLAN ARE FOR TENDER PURPOSES ONLY, FINAL DESIGN TO PT CONTRACTOR'S DETAIL.

P/A TO BE A MINIMUM OF 2.0MPa TO ALL EXTERNAL AREAS AND OPEN AIR PLANT ROOMS.

PT CONTRACTOR TO ALLOW FOR ALL TENDONS TO BE PAN STRESSED. NO EDGE STRESSING ALLOWED AT EXPOSED CONCRETE EDGES

LEGEND

200	DENOTES CONCRETE THICKNESS
500D X 1800W	DENOTES CONCRETE BEAM DEPTH AND WIDTH
50	DENOTES SLAB STEP
	DENOTES PENETRATION/VOID IN SLAB, PROVIDE TRIMMER BARS
CC1/O	DENOTES REINFORCED CONCRETE COLUMN OVER
CC1/U	DENOTES REINFORCED CONCRETE COLUMN UNDER
CC1	DENOTES REINFORCED CONCRETE COLUMN OVER AND UNDER
CW1/O	DENOTES LOAD BEARING CONCRETE WALL OVER
CW1/U	DENOTES LOAD BEARING CONCRETE WALL UNDER
CW1	DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
TMJ	DENOTES TEMPORARY MOVEMENT JOINT. ALLOW FOR ANCON ESDQ-L20 AT 350 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON HLDQ-L30 AT 300 CTS (OR EQUIVALENT) IN BEAM LOCATIONS.
MJ	DENOTES MOVEMENT JOINT. ALLOW FOR ANCON DSD-25 AT 500 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON DSDQ-50 AT 300 CTS (OR EQUIVALENT) AT BEAM LOCATIONS
	DENOTES AREA OF SLAB WITH 100mm THICK UNBONDED TOPPING SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS. PROVIDE SL81 MESH TOP AND JOINTS AT 3m CTS EACH WAY. PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB
	DENOTES AREA OF SLAB WITH 30mm GRANOLITHIC TOPPING. REER TO ARCHITECT FOR DETAILS. PT CONTRACTOR TO PROVIDE ADDITIONAL SL92 MESH TO SLAB TO THROUGHOUT, AND DESIGN SLAB FOR A HIGH DEGREE OF CRACK CONTROL

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	410 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	

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
B	ISSUED FOR REVIEW	RS		TM	22.12.21
C	ISSUED FOR REVIEW	RS		TM	17.01.22
D	CDVC 2.1 ISSUE	GD		TM	19.01.22
E	ISSUED FOR INFORMATION	RS		TM	02.03.22
F	ISSUED FOR INFORMATION	RS		TM	04.03.22
G	CDVC 2.2 ISSUE	RS		TM	25.03.22

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
UPPER GROUND FLOOR SLAB PLAN - GRID C-I

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-06.05	
	DRAWING SHEET SIZE = A0	REVISION G

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

SECTION 2

IR01 INSPECTION REPORT

21170 TAFE KINGSWOOD - 12-44 O'CONNELL ST

Form Reference	F49280.1
Owned By	Ronnie DeGuzman - rdeguzman@interspan.com.au (Interspan NSW)
Date	28/06/2022 18:32:11
Status	Submitted
Project Name	21170 TAFE KINGSWOOD - 12-44 O'CONNELL ST
Project Reference	21170
Client Project Reference	ADCO CONSTRUCTIONS PTY LTD
Location	21170 TAFE KINGSWOOD - 12-44 O'CONNELL ST

Drawing Ref	upper ground pour 1

Post Tensioning Checklist

#	Check Item	Yes/No	Comments/ Tendons Affected
1	No. Strands	Yes	
2	Tendons	Yes	
3	Profiles	Yes	
4	Anti Burst	Yes	
5	Dead End Length	Yes	
6	Chairing	Yes	
7	Grout Hose	Yes	
8	Staples	Yes	

PT % Complete	100

Conventional Reinforcement Checklist

#	Check Item	Yes/No	Comments
1	No Bars/ Size	Yes	
2	Cover (Internal/ External)	Yes	
3	Laps	Yes	
4	Trimmers	Yes	
5	Chairs	Yes	
6	Shear (including punching shear)	Yes	

Bottom Rebar Percentage Complete %	100
Top Rebar Percentage Complete %	98

General Checklist

#	Check Item	Yes/ No	Comments
1	Formwork	No	
2	Cleanliness	No	
3	Scabbling	No	
4	Support	No	
5	Starters (from previous pour)	No	
6	Metal Deck Alignment	No	
7	Hydrophilic Strip / Slip Joint	No	
8	All cast in pipes and conduits are per GA.	Yes	

Items requiring actions

#	Item Number	Description	Comments	Issue	Reference Type	Reference ID
1	1	Ancon Connectors	to correct position of ancon on beams	Wrong Height		
2	2	Trimmer Bars	on pipes			
3	3	Bottom Reinforcement	around pero			
4	4	Top Reinforcement	to complete top reo as per mark up			

Images

#1

28/06/2022 18:34:02

Other remarks (attach any photos here)

Images

28/06/2022 18:35:45

28/06/2022 18:35:45

28/06/2022 18:35:45

Signed by Inspector	
Inspecting Engineer	

Ronnie DeGuzman -
rdeguzman@interspan.com.au
(Interspan NSW)

28/06/2022 18:35:57

Inspecting Engineer Contact	Ronnie De Guzman - rdeguzman@interspan.com.au

Note:
Formwork dimension, setout and alignment are confirmed by others. Changes of conventional to metal decking must have prior approval.Cast in pipes/ conduit must not be placed around transfer columns, near support columns or transfer beams without approval from design engineer.Ensure construction joint detailing includes sufficient scabbling of concrete surface. All Stressing Pan Reinforcements and Trimmers are to beinstalled. Refer to Interspan's drawing 001 for details.Unless organised otherwise, an initial stress mustbe applied to the concrete slab at 24 hours - pending crush test results per General Notes Interspan Drawing 001.For any advice or queries, please call Interspan Office on 02 9313 1700

Builder Sign Off On Inspection Performed	
Planned pour date:	29/06/2022

Signatures

#	Check Item	Client Rep	Leading Hand
1	Report	M.O (Interspan NSW) 28/06/2022 18:37:04	

The client by signing the above, indicates that the issues will be corrected in accordance with this report and the approved drawings and any attached instructions prior to concrete pour.	
Form Location	21170 TAFE KINGSWOOD - 12-44 O'CONNELL ST

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: UGF Pour 1, SW1 LGF-UGF **Prepared by:** Munkhdemberel

Pour Date: 2022.06.29

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: 2022.06.29

SECTION 4

TransForm
Formwork Contractors

FORMWORK DECK INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: UGF POUR 1

ITP No. 23

DATE: 29/6/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	29/6	RT	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	29/6	DK	
2	**DRAWING NUMBERS USED:** A 1960 REV 4 INPT 21170 REV C	TF	29/6	DK	
3	**Send highlighted drawings to office**	TF	29/6	DK	
4	Setout beams , columns, etc.	TF	29/6	DK	
5	Install frames	TF	29/6	DK	
6	Install fall protection as per SWMS	TF	29/6	DK	
Witness	**Check quality of formwork (ply/timber) used**	Builder			
7	Install beams soffit	TF	29/6	DK	
8	Install beam sheet pattern (only if required)	TF	29/6	DK	
9	Install deck soffit	TF	29/6	DK	
10	Install deck sheet pattern (only if required)	TF	29/6	DK	
11	Install edge boards	TF	29/6	DK	
12	Clean deck	TF	29/6	DK	
13	Check all setout for above items	TF	29/6	DK	
14	**HANDOVER**	TF	29/6	DK	
15	**Reo Installation**	Builder	29/6	RT	
Hold	**Reinforcement Inspection**	Builder	29/6	RT	
16	Install set downs - Sign off	TF	29/6	DK	
17	Install sleeves	TF	29/6	DK	
18	Install cast-ins	TF	29/6	DK	
19	Check back propping/ frame bracing/ setdowns/cast-ins	TF	29/6	DK	
20	Sent ITP to office (projects@transformnsw.com.au)	TF	29/6	DK	
Witness	**Formwork Engineer inspection**	TF	28/6	DK	
21	Rectify any Engineers comments	TF	28/6	DK	
22	Clean deck	TF	29/6	DK	
Hold	**Formwork Inspection by Builder for Sign off**	Builder	29/6	RT	
	Concrete Pour	Builder	29/6	RT	

Comments

T W E S

Formwork Inspection Report

Address: TAFE KINGSWOOD

Job No: 222087

Client TRANSFORM

Date/Time: 28/06/2022

Element(s): UPPER GROUND POUR 1

Formwork system: CONVENTIONAL/FARESIN

Pour rate: AS PER BELOW NOTES AND 1m/hr FOR WALL

Reference Drawings: AS PER SDC DESIGN PACKAGE

This inspection has been performed in accordance with **AS3610 - Formwork for Concrete** and **AS1720 - Timber Structures Code.** Under the condition any required rectification works have been completed to a satisfactory standard, and approved by the formwork supervisor, we confirm the formwork system supporting the element(s) stated herein have been installed in accordance with the relevant Australian Standards.

All parties involved to abide by the following engineering notes:

1. Do not mound concrete unless noted otherwise;
2. All beams should be poured prior to slab panels;
3. Ensure F14 plywood with EWPAA testing used as a minimum;
4. This report is valid for 2 business days from date and time of this report;
5. Ensure all U-head Jacks are checked and tightened prior to pour;
6. All props when used in system or conventionally to be plumb and tightened;
7. Slabs & Beams ≥ 400mm deep to be poured in 300-400mm increments unless noted otherwise;
8. All conventional and proprietary systems to be installed in accordance with manufacturer's specifications;
9. Once Formwork elements have been inspected, it is client's responsibility to ensure no unauthorised alterations to formwork unless otherwise noted on page 2 of this report;
10. This report is only valid for the structural formwork components. Other elements such as access ways, handrails, scaffold and stair forms are excluded unless noted otherwise;
11. Rectification works (if any) noted on page 2 require the formwork supervisor/foreman to sign off as completed prior to loading of the system;
12. This report is validated for visually accessible areas at the time of inspection;
13. Client is responsible to ensure all material used onsite is in good working condition;
14. All formwork material is based on visual assessment only;
15. This report shall not be construed as relieving any other party of their responsibilities or contractual obligations;
16. This formwork report is valid for all formwork components above natural ground level. All ground conditions and appropriate compactions to be the responsibility of the principal contractor who has to provide appropriate certification to ensure ground conditions will sustain all formwork loads imposed during construction.

Engineer MICHEL SLEIMAN

Formwork supervisor: DANIEL KOS

Qualifications: B.E (STR), M.I.E (AUST)

Rectification works completed: YES

Signature:

Signature:

Date 29/6/2022

ABN: 17 643 779 855
Head Office:
Shop 1, 143-147 Parramatta Road,
Concord, NSW 2137

Contact:
Ph: +61 2 8397 6500
E-mail: info@esgconsult.com.au

Web: www.esgconsult.com.au
ABN: 17 643 779 855

T W E S

Formwork Inspection Report

Horizontal Elements		
Items	**Condition**	**Remarks & Works Required**
Base Plates	OK	
Frame Spacing	OK	
Frame Extensions	OK	
Frame Bracing	OK	
Bearer Size & Spacing	OK	
Joist Size & Spacing	OK	
Prop Spacing	OK	
Prop Bracing	OK	
Eccentric Loading	OK	
Prop Inclination	OK	
Frame Condition	OK	
Plywood Spans	OK	
Metal Formwork (I.e Bondek)	N/A	

Back propping ENSURE ALL THE JACKS ARE TIGHTENED AND CENTRED

Number	**Propping %**	**Work Required**	**Number of Levels required for Back propping:**
Level:			
Level:			
Level:			
Level:			

Additional Notes:

Vertical Elements (Walls and columns)		
Items	**Condition**	**Remarks & Works Required**
Wall Bracing		
Plywood Fixing		
Ties For Wall		
Soldier Spacing		
Waler Spacing		
Wall Kicker Plate		
Prop Spacing		

SECTION 5

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

(29-Jun-2022)

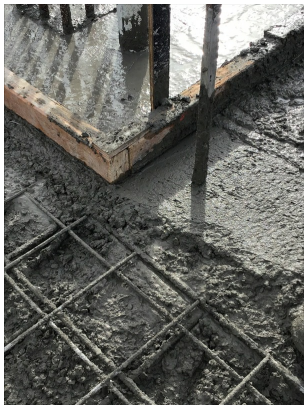
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Suspended Slab V2

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

Check reo chair sizes and available concrete cover. Prior to pour. Check benchmark available (Against drawings Engineers Inspection)	Inspection
Check formwork levels as per concrete setout plan. Ensure Concrete mix is in accordance with specification and project documentation (Check formworker's QA & Survey of formworker signed off)	Inspection
Pre pour check-placing access, readiness of concrete placing and vibrating equipment and removal of all debris, loose material and free from water. (Deck is clean with no loose material and is free from water.)	Inspection
Check delivered concrete is of correct grade.Visual Inspection of concrete whilst being discharged from the concrete truck to ensure the concrete is of acceptable quality and that there are no obvious inconsistence in the mix (To specification and/or drawings)	Inspection
Ensure required concrete samples and tests are taken (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check required surface finish. (Against drawings/specifications)	Inspection
Check curing compound applied. Check AsBuilt survey (To specification Safety Cure WB)	Action
Comments	Steel is 10mm higher than finished floor level Toby box steel 15mm high Step down to 20 mil too high Formworker will have to jackhammer around setdown and repair as discussed with Rob the foreman from ADCO

Photos



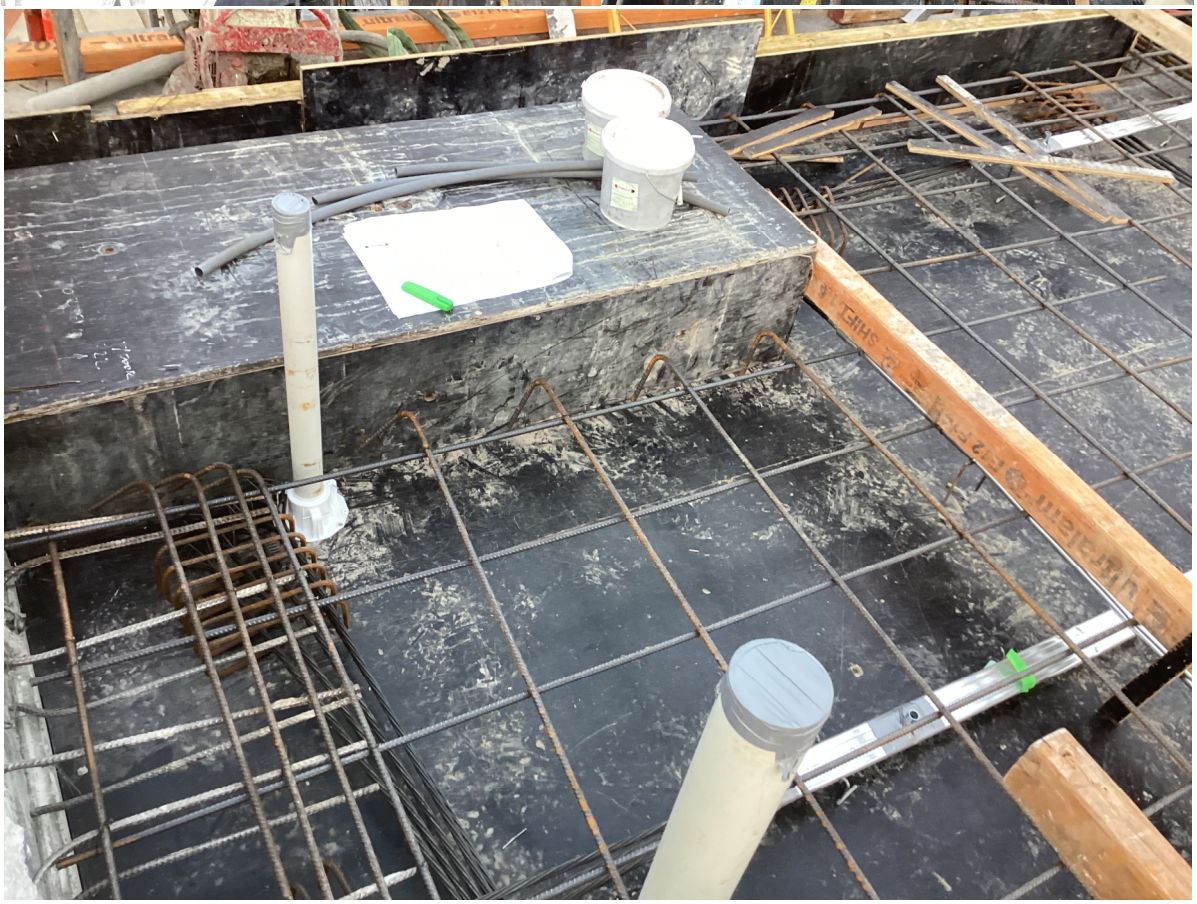
Authorisations

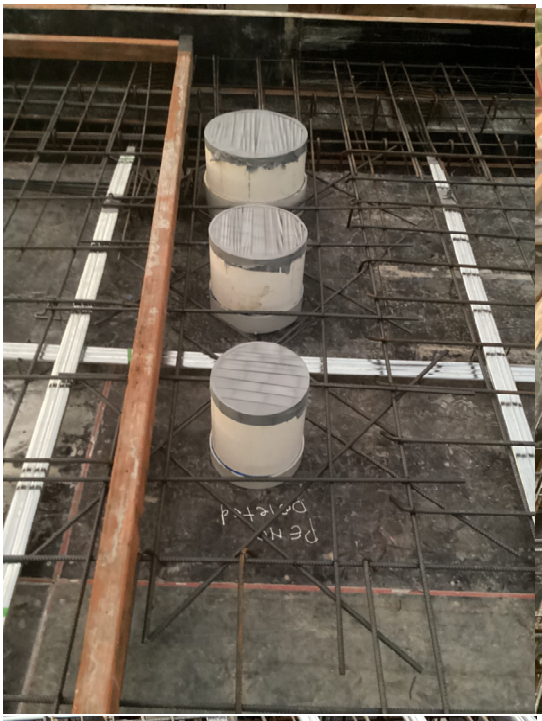
Client & Traino Group confirmation of inspection (where applicable)

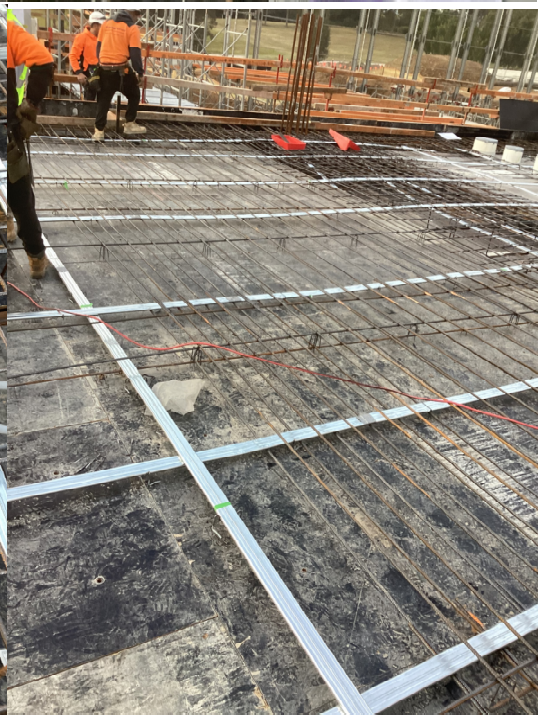
Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	29/06/2022

Accepted By (client representative name)	Robert Torchia
Signature	
Date	29/06/2022

SECTION 6







ADCO ITP Documentation

Trade Discipline: FRP

ADCO

UGF Pour 2

Contents

SECTION 1

UPPER GROUND FLOOR SLAB PLAN - GRID C - I

ISSUE FOR CDCV2.2

GENERAL NOTES:

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

ALL SLABS TO BE 160mm THICK AND POST-TENSIONED BY OTHERS, UNLESS NOTED OTHERWISE. POST-TENSIONING AND REINFORCEMENT RATES BY POST-TENSIONING CONTRACTOR. ALLOW FOR ADDITIONAL 5 KG/M3 FOR DIAGRAM REINFORCING FOR EACH PT SLAB

CONCRETE SLAB STRENGTH TO BE f'c = 40MPa

ALL FALLS TO ARCHITECT'S DETAILS.

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

ALL DIMENSIONS NOTED ARE MINIMUM DIMENSIONS.

ALL EXTERNAL AREAS TO HAVE WATERPROOF MEMBRANE TO ARCHITECTS DETAIL.

ALL CONCRETE STAIRS TO HAVE 220 THICK THROAT THICKNESS, 220 THICK LANDINGS UNO

FLOOR BOXES SHOWN INDICATIVELY ONLY. FINAL LCOATION, SIZE AND SET OUT TO ARCHITECTS DETAIL

REFER TO ELEVATIONS FOR SECONDARY STEEL

ALLOW FOR 380PFC FASCIA (NON-STRUCTURAL) TO PERIMETER OF BUILDING. NOT SHOWN FOR CLARITY- REFER TO ARCH. DRAWINGS FOR EXTENT AND DETAILS

POST-TENSIONING NOTES:

REFER TO POST-TENSIONING NOTES FOR DESIGN AND CONSTRUCTION ON DRAWING S00.11.

SLAB AND BEAM THICKNESSES INDICATED ON PLAN ARE FOR TENDER PURPOSES ONLY, FINAL DESIGN TO PT CONTRACTOR'S DETAIL.

P/A TO BE A MINIMUM OF 2.0MPa TO ALL EXTERNAL AREAS AND OPEN AIR PLANT ROOMS.

PT CONTRACTOR TO ALLOW FOR ALL TENDONS TO BE PAN STRESSED. NO EDGE STRESSING ALLOWED AT EXPOSED CONCRETE EDGES

LEGEND

- 200 — DENOTES CONCRETE THICKNESS
- 500D X 1800W — DENOTES CONCRETE BEAM DEPTH AND WIDTH
- 50 — DENOTES SLAB STEP
- DENOTES PENETRATION/VOID IN SLAB, PROVIDE TRIMMER BARS
- CC1/O — DENOTES REINFORCED CONCRETE COLUMN OVER
- CC1/U — DENOTES REINFORCED CONCRETE COLUMN UNDER
- CC1 — DENOTES REINFORCED CONCRETE COLUMN OVER AND UNDER
- CW1/O — DENOTES LOAD BEARING CONCRETE WALL OVER
- CW1/U — DENOTES LOAD BEARING CONCRETE WALL UNDER
- CW1 — DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
- TMJ — DENOTES TEMPORARY MOVEMENT JOINT. ALLOW FOR ANCON ESDQ-L20 AT 350 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON HLDQ-L30 AT 300 CTS (OR EQUIVALENT) IN BEAM LOCATIONS.
- MJ — DENOTES MOVEMENT JOINT. ALLOW FOR ANCON DSD-25 AT 500 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON DSDQ-50 AT 300 CTS (OR EQUIVALENT) AT BEAM LOCATIONS
- DENOTES AREA OF SLAB WITH 100mm THICK UNBONDED TOPPING SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS. PROVIDE SL81 MESH TOP AND JOINTS AT 3m CTS EACH WAY. PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB
- DENOTES AREA OF SLAB WITH 30mm GRANOLITHIC TOPPING. REER TO ARCHITECT FOR DETAILS. PT CONTRACTOR TO PROVIDE ADDITIONAL SL92 MESH TO SLAB TO THROUGHOUT, AND DESIGN SLAB FOR A HIGH DEGREE OF CRACK CONTROL

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	

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
B	ISSUED FOR REVIEW	RS		TM	22.12.21
C	ISSUED FOR REVIEW	RS		TM	17.01.22
D	CDVC 2.1 ISSUE	GD		TM	19.01.22
E	ISSUED FOR INFORMATION	RS		TM	02.03.22
F	ISSUED FOR INFORMATION	RS		TM	04.03.22
G	CDVC 2.2 ISSUE	RS		TM	25.03.22

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
UPPER GROUND FLOOR SLAB PLAN - GRID C-I

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-06.05	
	DRAWING SHEET SIZE = A0	REVISION G

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

SECTION 2

#	Item Number	Description	Comments	Issue	Reference Type	Reference ID
5	5	Top Reinforcement	to complete reo as per mark up			

Other remarks (attach any photos here)

Images

29/08/2022 16:19:38

29/08/2022 16:19:39

29/08/2022 16:19:39

Signed by Inspector

Inspecting Engineer	

Ronnie DeGuzman -
rdeguzman@interspan.com.au
(Interspan NSW)

29/08/2022 16:19:46

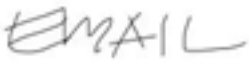
Inspecting Engineer Contact	Ronnie De Guzman - rdeguzman@interspan.com.au

Note:
Formwork dimension, setout and alignment are confirmed by others. Changes of conventional to metal decking must have prior approval.Cast in pipes/ conduit must not be placed around transfer columns, near support columns or transfer beams without approval from design engineer.Ensure construction joint detailing includes sufficient scabbling of concrete surface. All Stressing Pan Reinforcements and Trimmers are to beinstalled. Refer to Interspan's drawing 001 for details.Unless organised otherwise, an initial stress mustbe applied to the concrete slab at 24 hours - pending crush test results per General Notes Interspan Drawing 001.For any advice or queries, please call Interspan Office on 02 9313 1700

Builder Sign Off On Inspection Performed

Planned pour date:	30/08/2022

Signatures

#	Check Item	Client Rep	Leading Hand
1	Report	 M.O (Interspan NSW) 29/08/2022 16:20:08	

The client by signing the above, indicates that the issues will be corrected in accordance with this report and the approved drawings and any attached instructions prior to concrete pour.

Form Location	Upper Ground Pour 2 - 121

IR01 INSPECTION REPORT

Level 1 Pour 2 - 221

Form Reference	F49280.9
Owned By	Ronnie DeGuzman - rdeguzman@interspan.com.au (Interspan NSW)
Date	07/11/2022 08:01:34
Status	Submitted
Project Name	21170 TAFE KINGSWOOD - 12-44 O'CONNELL ST
Project Reference	21170
Client Project Reference	ADCO CONSTRUCTIONS PTY LTD
Location	Level 1 Pour 2 - 221

Drawing Ref	121 rev B

Post Tensioning Checklist

#	Check Item	Yes/No	Comments/ Tendons Affected
1	No. Strands	Yes	
2	Tendons	Yes	
3	Profiles	Yes	
4	Anti Burst	Yes	
5	Dead End Length	Yes	
6	Chairing	Yes	
7	Grout Hose	Yes	
8	Staples	Yes	

PT % Complete	100

Conventional Reinforcement Checklist

#	Check Item	Yes/No	Comments
1	No Bars/ Size	Yes	
2	Cover (Internal/ External)	Yes	
3	Laps	Yes	
4	Trimmers	Yes	
5	Chairs	Yes	
6	Shear (including punching shear)	Yes	

Bottom Rebar Percentage Complete %	98
Top Rebar Percentage Complete %	95

General Checklist

#	Check Item	Yes/ No	Comments
1	Formwork	No	
2	Cleanliness	No	
3	Scabbling	Yes	
4	Support	No	
5	Starters (from previous pour)	Yes	
6	Metal Deck Alignment	No	
7	Hydrophilic Strip / Slip Joint	Yes	
8	All cast in pipes and conduits are per GA.	Yes	

Items requiring actions

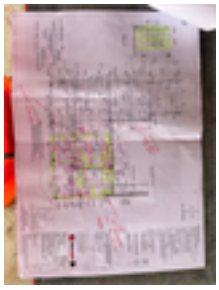
#	Item Number	Description	Comments	Issue	Reference Type	Reference ID
1	1	Bottom Reinforcement	to be completed as per mark up			
2	2	Top Reinforcement	too short top reo on beam grid H			
3	3	Top Reinforcement	extra bars on column grid H/9			
4	4	Top Reinforcement	to complete top reo as per mark up			

Other remarks (attach any photos here)

Images

07/11/2022 08:04:45

07/11/2022 08:04:51



07/11/2022 08:05:02

Signed by Inspector

Inspecting Engineer	

Ronnie DeGuzman -
rdeguzman@interspan.com.au
(Interspan NSW)

07/11/2022 09:51:04

Inspecting Engineer Contact	Ronnie De Guzman - rdeguzman@interspan.com.au

Note:
Formwork dimension, setout and alignment are confirmed by others. Changes of conventional to metal decking must have prior approval.Cast in pipes/ conduit must not be placed around transfer columns, near support columns or transfer beams without approval from design engineer.Ensure construction joint detailing includes sufficient scabbling of concrete surface. All Stressing Pan Reinforcements and Trimmers are to beinstalled. Refer to Interspan's drawing 001 for details.Unless organised otherwise, an initial stress mustbe applied to the concrete slab at 24 hours - pending crush test results per General Notes Interspan Drawing 001.For any advice or queries, please call Interspan Office on 02 9313 1700

Builder Sign Off On Inspection Performed

Planned pour date:	08/11/2022

Signatures

#	Check Item	Client Rep	Leading Hand
1	Report	G.Awad (Interspan NSW) 07/11/2022 09:51:23	

The client by signing the above, indicates that the issues will be corrected in accordance with this report and the approved drawings and any attached instructions prior to concrete pour.

Form Location	Level 1 Pour 2 - 221

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: **Kingswood IATC** **Principal Contractor:** ADCO Constructions P/L

Pour location/description: UGF Pour 2 & 4

Prepared by: M. Lentini

Pour Date: 12/11/2022

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~~: Lap / 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:

Foreman / Supervisor: Munkhdemberel **Date:** 12/11/22

SECTION 4

TransForm
Formwork Contractors

FORMWORK DECK INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: UGF Floor 2 & 4

ITP No. 42

DATE: 29/8/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	29/8	RT	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	29/8	DK	
2	**DRAWING NUMBERS USED:**	TF	29/8	DK	
3	**Send highlighted drawings to office**	TF	29/8	DK	
4	Setout beams , columns, etc.	TF	29/8	DK	
5	Install frames	TF	29/8	DK	
6	Install fall protection as per SWMS	TF	29/8	DK	
Witness	**Check quality of formwork (ply/timber) used**	Builder			
7	Install beams soffit	TF	29/8	DK	
8	Install beam sheet pattern (only if required)	TF	29/8	DK	
9	Install deck soffit	TF	29/8	DK	
10	Install deck sheet pattern (only if required)	TF	29/8	DK	
11	Install edge boards	TF	29/8	DK	
12	Clean deck	TF	29/8	DK	
13	Check all setout for above items	TF	29/8	DK	
14	**HANDOVER**	TF	29/8	DK	
15	**Reo Installation**	Builder	29/8	RT	
Hold	**Reinforcement Inspection**	Builder	29/8	RT	
16	Install set downs - Sign off	TF	29/8	DK	
17	Install sleeves	TF	29/8	DK	N/A
18	Install cast-ins	TF	/	/	/
19	Check back propping/ frame bracing/ setdowns/cast-ins	TF	29/8	DK	
20	Sent ITP to office (projects@transformnsw.com.au)	TF	30/8	DK	
Witness	**Formwork Engineer inspection**	TF	29/8	DK	
21	Rectify any Engineers comments	TF	29/8	DK	
22	Clean deck	TF	29/8	DK	
Hold	**Formwork Inspection by Builder for Sign off**	Builder			
	Concrete Pour	Builder	29/8	RT	

Comments

BD Medbury Consulting Engineer Pty Ltd

Consulting Structural & Civil Engineer
A.B.N. 86 159 811 980

FORMWORK STRUCTURAL CERTIFICATE & RECORD OF INSPECTION

Project: Kingwood Tafe

Level: U/G F Area: Pour 2 & 4

Date: 29/8/22

This is to certify that the Foresite Conventional formwork for the above project has been inspected and is considered to be structurally adequate to support the design loads in accordance with the relevant Australian standards including AS 3610: *Formwork for Concrete*.

The inspection is visual only, and no responsibility can be, or is taken for defects in workmanship, or components not immediately visible, or accessible, during the inspection.

The following items were included in the inspection:

ITEM	CONDITION	WORK REQUIRED
Base plates	✓	
Frame spacing	✓	
Frame bracing	✓	
Frame extensions	✓	
Bearer size and spacing	✓	
Joist size and spacing	✓	
Prop spacing	✓	
Prop bracing	✓	
Eccentric loading	✓	
Prop inclination	✓	
Timber condition		Used
Steel condition	✓	
Nails in plates as required		See Note
Columns framing	N.A.	
Columns bracing	N.A.	
Plywood Fixing	✓	

Comments: Formwork will be structurally adequate for concrete load as per AS3610 subject to completion of items noted.

Bryan Medbury
Certifying Engineer's Name

Signature

B D Medbury Consulting Engineer
PO Box 9727, Baulkham Hills BC NSW 2153
Phone: 9659 0009 Mob: 0418 424 595 Email: bdmedbury@bigpond.com

ITEM	WORK REQUIRED
(1) & (2)	Complete required number of frame towers for Foresin formwork.
(3)	Complete centre propping of Foresin beams under 450 beam
(4)	Formwork engineer to check requirement for centre propping Foresin beams where formworker has not followed design layout.
(5)	Clear stacked bearers
(6)	Install braces to both sides of frames both levels where noted.

B D Medbury Consulting Engineer
PO Box 9727, Baulkham Hills BC NSW 2153
Phone: 9659 0009 Mob: 0418 424 595 Email: bdmedbury@bigpond.com

TWES

Formwork Inspection Report

Address: TAFE KINGSWOOD Job No: 222087

Client TRANSFORM

Date/Time: 07/11/2022 Element(s): UPPER GROUND POUR 2B

Formwork system: CONVENTIONAL Pour rate: AS PER NOTES

Reference Drawings: AS PER SDC DESIGN

This inspection has been performed in accordance with **AS3610 - Formwork for Concrete** and **AS1720 - Timber Structures Code.** Under the condition any required rectification works have been completed to a satisfactory standard, and approved by the formwork supervisor, we confirm the formwork system supporting the element(s) stated herein have been installed in accordance with the relevant Australian Standards.

All parties involved to abide by the following engineering notes:

1. Do not mound concrete unless noted otherwise;
2. All beams should be poured prior to slab panels;
3. Ensure F14 plywood with EWPAA testing used as a minimum;
4. This report is valid for 2 business days from date and time of this report;
5. Ensure all U-head Jacks are checked and tightened prior to pour;
6. All props when used in system or conventionally to be plumb and tightened;
7. Slabs & Beams ≥ 400mm deep to be poured in 300-400mm increments unless noted otherwise;
8. All conventional and proprietary systems to be installed in accordance with manufacturer's specifications;
9. Once Formwork elements have been inspected, it is client's responsibility to ensure no unauthorised alterations to formwork unless otherwise noted on page 2 of this report;
10. This report is only valid for the structural formwork components. Other elements such as access ways, handrails, scaffold and stair forms are excluded unless noted otherwise;
11. Rectification works (if any) noted on page 2 require the formwork supervisor/foreman to sign off as completed prior to loading of the system;
12. This report is validated for visually accessible areas at the time of inspection;
13. Client is responsible to ensure all material used onsite is in good working condition;
14. All formwork material is based on visual assessment only;
15. This report shall not be construed as relieving any other party of their responsibilities or contractual obligations;
16. This formwork report is valid for all formwork components above natural ground level. All ground conditions and appropriate compactions to be the responsibility of the principal contractor who has to provide appropriate certification to ensure ground conditions will sustain all formwork loads imposed during construction.

Engineer MICHEL SLEIMAN Formwork supervisor:

Qualifications: B.E (STR), M.I.E (AUST) Rectification works completed:

Signature:  Signature: Date

TWES

Formwork Inspection Report

Horizontal Elements		
Items	**Condition**	**Remarks & Works Required**
Base Plates	OK	
Frame Spacing	OK	
Frame Extensions	OK	
Frame Bracing	OK	
Bearer Size & Spacing	OK	
Joist Size & Spacing	OK	
Prop Spacing	OK	
Prop Bracing	OK	
Eccentric Loading	OK	
Prop Inclination	OK	
Frame Condition	OK	
Plywood Spans	OK	
Metal Formwork (I.e Bondek)	OK	

Back propping

Number	**Propping %**	**Work Required**	**Number of Levels required for Back propping:**
Level:			
Level:			
Level:			
Level:			

Additional Notes:

Vertical Elements (Walls and columns)		
Items	**Condition**	**Remarks & Works Required**
Wall Bracing		
Plywood Fixing		
Ties For Wall		
Soldier Spacing		
Waler Spacing		
Wall Kicker Plate		
Prop Spacing		

SECTION 5

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

(30-Aug-2022)

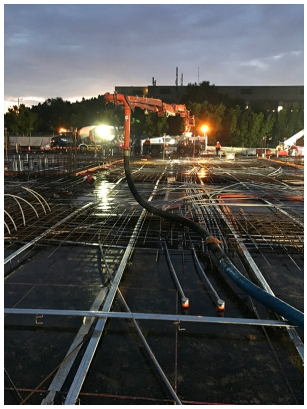
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Suspended Slab V2

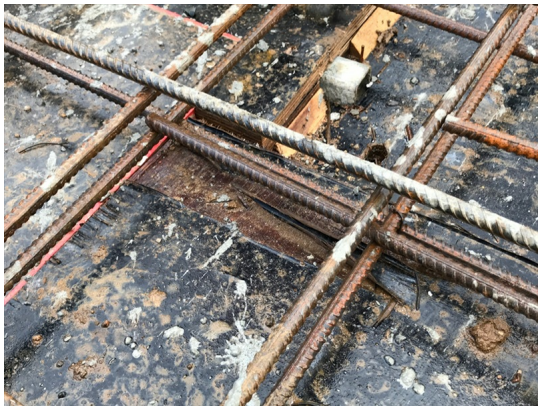
Level/Location	UG
Element	Suspended Slab
Grid Reference	Pour 4 & 2a- Grid C-I
Drawings	
Drawing No	ST-DWG-C1.06.05
Rev No	6
Drawing No	AR-DWG-A1960
Rev No	7
Concrete Test Requirement	
1 Day	Yes
4 Day	Yes
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

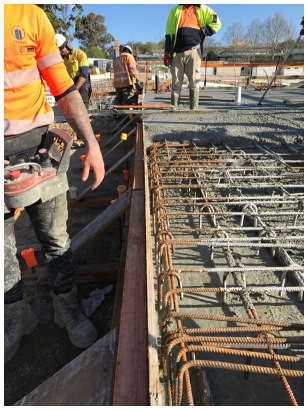
Check reo chair sizes and available concrete cover. Prior to pour. Check benchmark available (Against drawings Engineers Inspection)	Inspection
Check formwork levels as per concrete setout plan. Ensure Concrete mix is in accordance with specification and project documentation (Check formworker's QA & Survey of formworker signed off)	Inspection
Pre pour check-placing access, readiness of concrete placing and vibrating equipment and removal of all debris, loose material and free from water. (Deck is clean with no loose material and is free from water.)	Inspection
Check delivered concrete is of correct grade.Visual Inspection of concrete whilst being discharged from the concrete truck to ensure the concrete is of acceptable quality and that there are no obvious inconsistence in the mix (To specification and/or drawings)	Inspection
Ensure required concrete samples and tests are taken (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check required surface finish. (Against drawings/specifications)	Inspection
Check curing compound applied. Check AsBuilt survey (To specification Safety Cure WB)	Action
Comments	Deck left dirty, will leave a stain in the slab Peno mesh exposed Damaged Formwork tables on slab ADCO informed TGA to give fall to floor waste- not shown on plan No top mesh provided in some area of the beams Formworkers stripping legs early, Timbers have dropped Formwork blowout, poorly braced

Photos




DANGER
CONCRETE
WORK ON
ABOVE



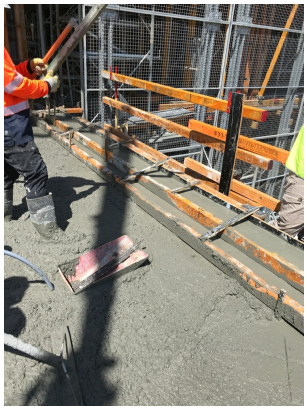


Authorisations

Client & Traino Group confirmation of inspection (where applicable)

Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	30/08/2022

Accepted By (client representative name)	Robert Torchia
Signature	
Date	30/08/2022



Authorisations

Client & Traino Group confirmation of inspection (where applicable)

Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	8/11/2022
Accepted By (client representative name)	Robert Torchia
Signature	
Date	8/11/2022

SECTION 6







ADCO ITP Documentation

Trade Discipline: FRP

ADCO

UGF Pour 3

Contents

SECTION 1

UPPER GROUND FLOOR SLAB PLAN - GRID C - I

ISSUE FOR CDCV2.2

GENERAL NOTES:

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

ALL SLABS TO BE 160mm THICK AND POST-TENSIONED BY OTHERS, UNLESS NOTED OTHERWISE. POST-TENSIONING AND REINFORCEMENT RATES BY POST-TENSIONING CONTRACTOR. ALLOW FOR ADDITIONAL 5 KG/M3 FOR DIAGRAM REINFORCING FOR EACH PT SLAB

CONCRETE SLAB STRENGTH TO BE f'c = 40MPa

ALL FALLS TO ARCHITECT'S DETAILS.

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

ALL DIMENSIONS NOTED ARE MINIMUM DIMENSIONS.

ALL EXTERNAL AREAS TO HAVE WATERPROOF MEMBRANE TO ARCHITECTS DETAIL.

ALL CONCRETE STAIRS TO HAVE 220 THICK THROAT THICKNESS, 220 THICK LANDINGS UNO

FLOOR BOXES SHOWN INDICATIVELY ONLY. FINAL LCOATION, SIZE AND SET OUT TO ARCHITECTS DETAIL

REFER TO ELEVATIONS FOR SECONDARY STEEL

ALLOW FOR 380PFC FASCIA (NON-STRUCTURAL) TO PERIMETER OF BUILDING. NOT SHOWN FOR CLARITY- REFER TO ARCH. DRAWINGS FOR EXTENT AND DETAILS

POST-TENSIONING NOTES:

REFER TO POST-TENSIONING NOTES FOR DESIGN AND CONSTRUCTION ON DRAWING S00.11.

SLAB AND BEAM THICKNESSES INDICATED ON PLAN ARE FOR TENDER PURPOSES ONLY, FINAL DESIGN TO PT CONTRACTOR'S DETAIL.

P/A TO BE A MINIMUM OF 2.0MPa TO ALL EXTERNAL AREAS AND OPEN AIR PLANT ROOMS.

PT CONTRACTOR TO ALLOW FOR ALL TENDONS TO BE PAN STRESSED. NO EDGE STRESSING ALLOWED AT EXPOSED CONCRETE EDGES

LEGEND

200	DENOTES CONCRETE THICKNESS
500D X 1800W	DENOTES CONCRETE BEAM DEPTH AND WIDTH
50	DENOTES SLAB STEP
	DENOTES PENETRATION/VOID IN SLAB, PROVIDE TRIMMER BARS
CC1/O	DENOTES REINFORCED CONCRETE COLUMN OVER
CC1/U	DENOTES REINFORCED CONCRETE COLUMN UNDER
CC1	DENOTES REINFORCED CONCRETE COLUMN OVER AND UNDER
CW1/O	DENOTES LOAD BEARING CONCRETE WALL OVER
CW1/U	DENOTES LOAD BEARING CONCRETE WALL UNDER
CW1	DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
TMJ	DENOTES TEMPORARY MOVEMENT JOINT. ALLOW FOR ANCON ESDQ-L20 AT 350 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON HLDQ-L30 AT 300 CTS (OR EQUIVALENT) IN BEAM LOCATIONS.
MJ	DENOTES MOVEMENT JOINT. ALLOW FOR ANCON DSD-25 AT 500 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON DSDQ-50 AT 300 CTS (OR EQUIVALENT) AT BEAM LOCATIONS
	DENOTES AREA OF SLAB WITH 100mm THICK UNBONDED TOPPING SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS. PROVIDE SL81 MESH TOP AND JOINTS AT 3m CTS EACH WAY. PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB
	DENOTES AREA OF SLAB WITH 30mm GRANOLITHIC TOPPING. REER TO ARCHITECT FOR DETAILS. PT CONTRACTOR TO PROVIDE ADDITIONAL SL92 MESH TO SLAB TO THROUGHOUT, AND DESIGN SLAB FOR A HIGH DEGREE OF CRACK CONTROL

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	410 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	

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
B	ISSUED FOR REVIEW	RS		TM	22.12.21
C	ISSUED FOR REVIEW	RS		TM	17.01.22
D	CDVC 2.1 ISSUE	GD		TM	19.01.22
E	ISSUED FOR INFORMATION	RS		TM	02.03.22
F	ISSUED FOR INFORMATION	RS		TM	04.03.22
G	CDVC 2.2 ISSUE	RS		TM	25.03.22

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
UPPER GROUND FLOOR SLAB PLAN - GRID C-I

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-06.05	
	DRAWING SHEET SIZE = A0	REVISION G

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

SECTION 2

IR01 INSPECTION REPORT

Upper Ground Pour 3 - 131

Form Reference	F49280.2
Owned By	Ronnie DeGuzman - rdeguzman@interspan.com.au (Interspan NSW)
Date	08/07/2022 13:10:21
Status	Submitted
Project Name	21170 TAFE KINGSWOOD - 12-44 O'CONNELL ST
Project Reference	21170
Client Project Reference	ADCO CONSTRUCTIONS PTY LTD
Location	Upper Ground Pour 3 - 131

Drawing Ref	131 rev C

Post Tensioning Checklist

#	Check Item	Yes/No	Comments/ Tendons Affected
1	No. Strands	Yes	
2	Tendons	Yes	
3	Profiles	Yes	
4	Anti Burst	Yes	
5	Dead End Length	Yes	
6	Chairing	Yes	
7	Grout Hose	Yes	
8	Staples	Yes	

PT % Complete	98

Conventional Reinforcement Checklist

#	Check Item	Yes/No	Comments
1	No Bars/ Size	Yes	
2	Cover (Internal/ External)	Yes	
3	Laps	Yes	
4	Trimmers	Yes	
5	Chairs	Yes	
6	Shear (including punching shear)	Yes	

Bottom Rebar Percentage Complete %	98
Top Rebar Percentage Complete %	98

General Checklist

#	Check Item	Yes/ No	Comments
1	Formwork	No	
2	Cleanliness	No	
3	Scabbling	No	
4	Support	No	
5	Starters (from previous pour)	No	
6	Metal Deck Alignment	No	
7	Hydrophilic Strip / Slip Joint	No	
8	All cast in pipes and conduits are per GA.	Yes	

Items requiring actions

#	Item Number	Description	Comments	Issue	Reference Type	Reference ID
1	1	Chairing	tendons between grid 3 to 4			
2	2	Bottom Reinforcement,Top Reinforcement	missing 25n12 near grid E/2 to3			
3	3	U Bars	on ancon as per detail for TMJ			
4	4	Trimmer Bars	on floor boxes			

Other remarks (attach any photos here)

Images

08/07/2022 13:13:33

08/07/2022 13:13:43

08/07/2022 13:13:56

Signed by Inspector

Inspecting Engineer	

Ronnie DeGuzman - rdeguzman@interspan.com.au (Interspan NSW)

08/07/2022 13:14:05

Inspecting Engineer Contact	Ronnie De Guzman - rdeguzman@interspan.com.au

Note:
Formwork dimension, setout and alignment are confirmed by others. Changes of conventional to metal decking must have prior approval.Cast in pipes/ conduit must not be placed around transfer columns, near support columns or transfer beams without approval from design engineer.Ensure construction joint detailing includes sufficient scabbling of concrete surface. All Stressing Pan Reinforcements and Trimmers are to beinstalled. Refer to Interspan's drawing 001 for details.Unless organised otherwise, an initial stress mustbe applied to the concrete slab at 24 hours - pending crush test results per General Notes Interspan Drawing 001.For any advice or queries, please call Interspan Office on 02 9313 1700

Builder Sign Off On Inspection Performed

Planned pour date:	09/07/2022

Signatures

#	Check Item	Client Rep	Leading Hand
1	Report	 M.O (Interspan NSW) 08/07/2022 13:14:21	

The client by signing the above, indicates that the issues will be corrected in accordance with this report and the approved drawings and any attached instructions prior to concrete pour.

Form Location	Upper Ground Pour 3 - 131

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: UGF Pour 3

Prepared by: Munkhdemberel

Pour Date: 2022.07.09

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: 2022.02.09

SECTION 4

TransForm
Formwork Contractors

FORMWORK DECK INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: GF UGF POUR 3

ITP No. 29

DATE: 8/7/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	8/7	RT	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	8/7	DK	
2	**DRAWING NUMBERS USED:** A 1960 REV 5 INPT21120/130 REV B	TF	8/7	DK	
3	**Send highlighted drawings to office**	TF	8/7	DK	
4	Setout beams , columns, etc.	TF	8/7	DK	
5	Install frames	TF	8/7	DK	
6	Install fall protection as per SWMS	TF	8/7	DK	
Witness	**Check quality of formwork (ply/timber) used**	Builder	8/7	RT	
7	Install beams soffit	TF	8/7	DK	
8	Install beam sheet pattern (only if required)	TF	8/7	DK	N/A
9	Install deck soffit	TF	8/7	DK	
10	Install deck sheet pattern (only if required)	TF	/	/	/
11	Install edge boards	TF	8/7	DK	
12	Clean deck	TF	8/7	DK	
13	Check all setout for above items	TF	8/7	DK	
14	**HANDOVER**	TF	8/7	DK	
15	**Reo Installation**	Builder	8/7	RT	
Hold	**Reinforcement Inspection**	Builder	8/7		
16	Install set downs - Sign off	TF	8/7	DK	
17	Install sleeves	TF	/	/	/
18	Install cast-ins	TF	/	/	/
19	Check back propping/ frame bracing/ setdowns/cast-ins	TF	8/7	DK	
20	Sent ITP to office (projects@transformnsw.com.au)	TF	8/7	DK	
Witness	**Formwork Engineer inspection**	TF	8/7	DK	
21	Rectify any Engineers comments	TF	8/7	DK	
22	Clean deck	TF	8/7	DK	
Hold	**Formwork Inspection by Builder for Sign off**	Builder	8/7	RT	
	Concrete Pour	Builder	9/7	RT	

Comments

T W E S

Formwork Inspection Report

Address: TAFE - 12 O CONNELL STREET, KINGSWOOD Job No: 222087

Client TRANSFORM

Date/Time: 08/07/2022 Element(s): UPPER GROUND POUR 3

Formwork system: CONVENTIONAL + FARESIN Pour rate: AS PER BELOW

Reference Drawings: TF-1403-0102 REV 2

This inspection has been performed in accordance with **AS3610 - Formwork for Concrete** and **AS1720 - Timber Structures Code.** Under the condition any required rectification works have been completed to a satisfactory standard, and approved by the formwork supervisor, we confirm the formwork system supporting the element(s) stated herein have been installed in accordance with the relevant Australian Standards.

All parties involved to abide by the following engineering notes:

1. Do not mound concrete unless noted otherwise;
2. All beams should be poured prior to slab panels;
3. Ensure F14 plywood with EWPAA testing used as a minimum;
4. This report is valid for 2 business days from date and time of this report;
5. Ensure all U-head Jacks are checked and tightened prior to pour;
6. All props when used in system or conventionally to be plumb and tightened;
7. Slabs & Beams ≥ 400mm deep to be poured in 300-400mm increments unless noted otherwise;
8. All conventional and proprietary systems to be installed in accordance with manufacturer's specifications;
9. Once Formwork elements have been inspected, it is client's responsibility to ensure no unauthorised alterations to formwork unless otherwise noted on page 2 of this report;
10. This report is only valid for the structural formwork components. Other elements such as access ways, handrails, scaffold and stair forms are excluded unless noted otherwise;
11. Rectification works (if any) noted on page 2 require the formwork supervisor/foreman to sign off as completed prior to loading of the system;
12. This report is validated for visually accessible areas at the time of inspection;
13. Client is responsible to ensure all material used onsite is in good working condition;
14. All formwork material is based on visual assessment only;
15. This report shall not be construed as relieving any other party of their responsibilities or contractual obligations;
16. This formwork report is valid for all formwork components above natural ground level. All ground conditions and appropriate compactions to be the responsibility of the principal contractor who has to provide appropriate certification to ensure ground conditions will sustain all formwork loads imposed during construction.

Engineer SESSINE MAHFOUD Formwork supervisor: DANIEL KOS

Qualifications: BE(STRUCT), MIEAUST Rectification works completed: YES

Signature: Signature: Date 8/7/2022

Head Office:
Shop 1, 143-147 Parramatta Road,
Concord, NSW 2137

Contact:
Ph: +61 2 8397 6500
E-mail: info@esgconsult.com.au

Web: www.esgconsult.com.au
ABN: 17 643 779 855

T W E S

Formwork Inspection Report

Horizontal Elements		
Items	**Condition**	**Remarks & Works Required**
Base Plates	OK	
Frame Spacing	OK	
Frame Extensions	OK	
Frame Bracing	OK	
Bearer Size & Spacing	OK	
Joist Size & Spacing	OK	
Prop Spacing	OK	
Prop Bracing	OK	INSTALL BRACES AROUND THE CORE WALLS
Eccentric Loading	OK	
Prop Inclination	OK	
Frame Condition	OK	
Plywood Spans	OK	
Metal Formwork (I.e Bondek)	OK	

Back propping			
Number	**Propping %**	**Work Required**	**Number of Levels required for Back propping:**
Level: UPG	100		
Level:			
Level:			
Level:			

Additional Notes:

Vertical Elements (Walls and columns)		
Items	**Condition**	**Remarks & Works Required**
Wall Bracing		
Plywood Fixing		
Ties For Wall		
Soldier Spacing		
Waler Spacing		
Wall Kicker Plate		
Prop Spacing		

Head Office:
Shop 1, 143-147 Parramatta Road,
Concord, NSW 2137

Contact:
Ph: +61 2 8397 6500
E-mail: info@esgconsult.com.au

Web: www.esgconsult.com.au
ABN: 17 643 779 855

SECTION 5

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

(9-Jul-2022)

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 - Suspended Slab V2

Level/Location	UG
Element	Suspended Slab
Grid Reference	Pour 3
Drawings	
Drawing No	
Rev No	
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	Yes
7 Day	Yes
28 Day	Yes
56 Day	No
Other	1x 2day test
Activity	

Check reo chair sizes and available concrete cover. Prior to pour. Check benchmark available (Against drawings Engineers Inspection)	Inspection
Check formwork levels as per concrete setout plan. Ensure Concrete mix is in accordance with specification and project documentation (Check formworker's QA & Survey of formworker signed off)	Inspection
Pre pour check-placing access, readiness of concrete placing and vibrating equipment and removal of all debris, loose material and free from water. (Deck is clean with no loose material and is free from water.)	Inspection
Check delivered concrete is of correct grade.Visual Inspection of concrete whilst being discharged from the concrete truck to ensure the concrete is of acceptable quality and that there are no obvious inconsistence in the mix (To specification and/or drawings)	Inspection
Ensure required concrete samples and tests are taken (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check required surface finish. (Against drawings/specifications)	Inspection
Check curing compound applied. Check AsBuilt survey (To specification Safety Cure WB)	Action
Comments	Formwork 40-50mm high on both sides

Photos

Authorisations

Client & Traino Group confirmation of inspection (where applicable)

Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	9/07/2022
Accepted By (client representative name)	Robert Torchia
Signature	
Date	9/07/2022

SECTION 6

ADCO ITP Documentation

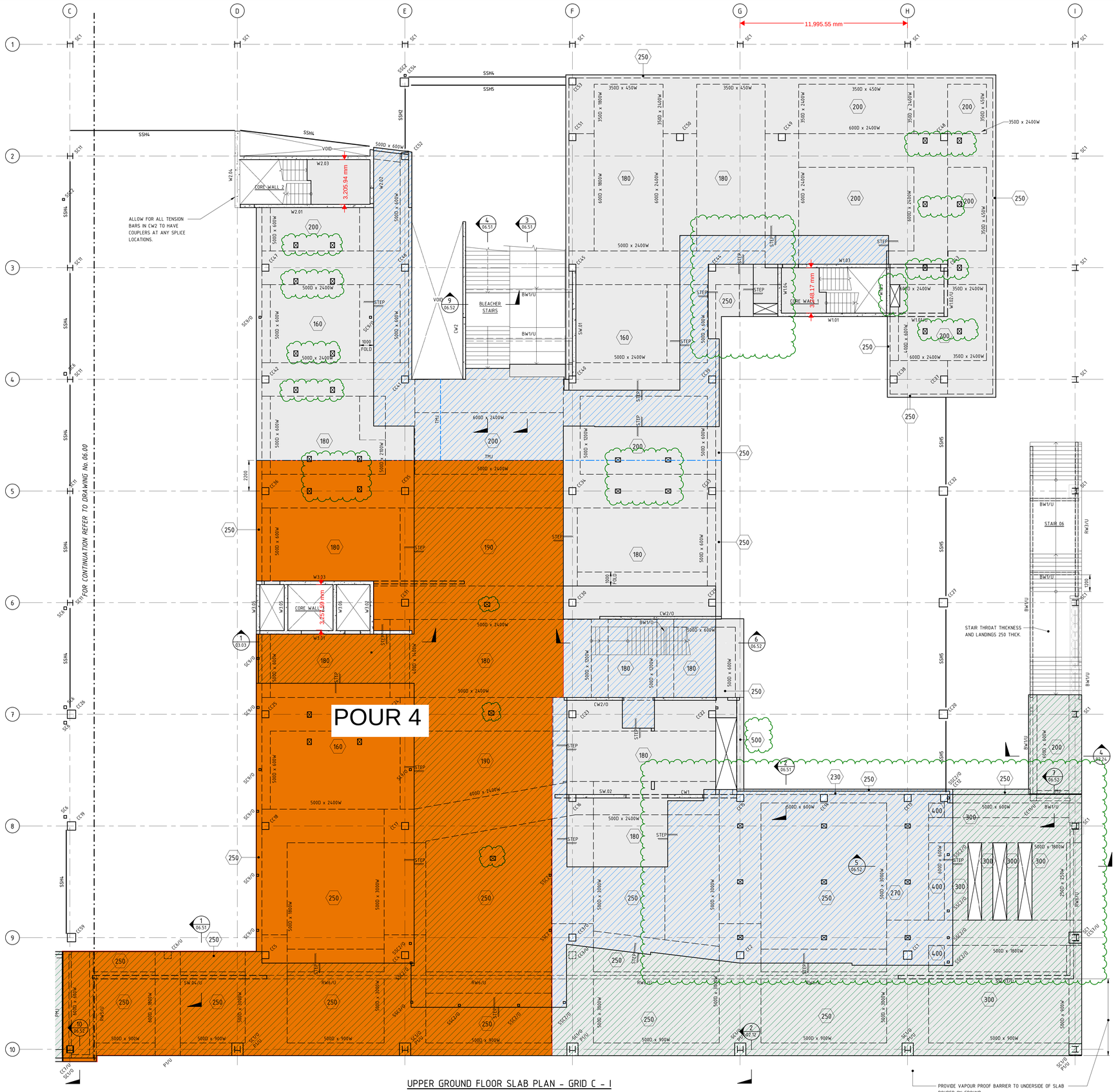
Trade Discipline: FRP

ADCO

UGF Pour 4

Contents

SECTION 1



UPPER GROUND FLOOR SLAB PLAN - GRID C - I

GENERAL NOTES:

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

ALL SLABS TO BE 160mm THICK AND POST-TENSIONED BY OTHERS, UNLESS NOTED OTHERWISE. POST-TENSIONING AND REINFORCEMENT RATES BY POST-TENSIONING CONTRACTOR. ALLOW FOR ADDITIONAL 5 KG/M3 FOR DIAGRAM REINFORCING FOR EACH PT SLAB

CONCRETE SLAB STRENGTH TO BE f'c = 40MPa

ALL FALLS TO ARCHITECT'S DETAILS.

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

ALL DIMENSIONS NOTED ARE MINIMUM DIMENSIONS.

ALL EXTERNAL AREAS TO HAVE WATERPROOF MEMBRANE TO ARCHITECTS DETAIL.

ALL CONCRETE STAIRS TO HAVE 220 THICK THROAT THICKNESS, 220 THICK LANDINGS UNO

FLOOR BOXES SHOWN INDICATIVELY ONLY. FINAL LCOATION, SIZE AND SET OUT TO ARCHITECTS DETAIL

REFER TO ELEVATIONS FOR SECONDARY STEEL

ALLOW FOR 380PFC FASCIA (NON-STRUCTURAL) TO PERIMETER OF BUILDING. NOT SHOWN FOR CLARITY- REFER TO ARCH. DRAWINGS FOR EXTENT AND DETAILS

POST-TENSIONING NOTES:

REFER TO POST-TENSIONING NOTES FOR DESIGN AND CONSTRUCTION ON DRAWING S00.11.

SLAB AND BEAM THICKNESSES INDICATED ON PLAN ARE FOR TENDER PURPOSES ONLY, FINAL DESIGN TO PT CONTRACTOR'S DETAIL.

P/A TO BE A MINIMUM OF 2.0MPa TO ALL EXTERNAL AREAS AND OPEN AIR PLANT ROOMS.

PT CONTRACTOR TO ALLOW FOR ALL TENDONS TO BE PAN STRESSED. NO EDGE STRESSING ALLOWED AT EXPOSED CONCRETE EDGES

LEGEND

200	DENOTES CONCRETE THICKNESS
500D X 1800W	DENOTES CONCRETE BEAM DEPTH AND WIDTH
50	DENOTES SLAB STEP
	DENOTES PENETRATION/VOID IN SLAB, PROVIDE TRIMMER BARS
CC1/O	DENOTES REINFORCED CONCRETE COLUMN OVER
CC1/U	DENOTES REINFORCED CONCRETE COLUMN UNDER
CC1	DENOTES REINFORCED CONCRETE COLUMN OVER AND UNDER
CW1/O	DENOTES LOAD BEARING CONCRETE WALL OVER
CW1/U	DENOTES LOAD BEARING CONCRETE WALL UNDER
CW1	DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
TMJ	DENOTES TEMPORARY MOVEMENT JOINT. ALLOW FOR ANCON ESDD-L20 AT 350 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON HLDQ-L30 AT 300 CTS (OR EQUIVALENT) IN BEAM LOCATIONS.
MJ	DENOTES MOVEMENT JOINT. ALLOW FOR ANCON DSO-25 AT 500 CTS (OR EQUIVALENT) IN SLAB LOCATIONS. ALLOW FOR ANCON DSDQ-50 AT 300 CTS (OR EQUIVALENT) AT BEAM LOCATIONS
	DENOTES AREA OF SLAB WITH 100mm THICK UNBONDED TOPPING SLAB TO EXTERNAL SLAB - REFER TO ARCHITECT FOR DETAILS. PROVIDE SL81 MESH TOP AND JOINTS AT 3m CTS EACH WAY. PROVIDE 2 LAYERS OF POLYTHENE BETWEEN BASE SLAB AND UNDERSIDE OF TOPPING SLAB
	DENOTES AREA OF SLAB WITH 30mm GRANOLITHIC TOPPING. REER TO ARCHITECT FOR DETAILS. PT CONTRACTOR TO PROVIDE ADDITIONAL SL92 MESH TO SLAB TO THROUGHOUT, AND DESIGN SLAB FOR A HIGH DEGREE OF CRACK CONTROL

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	

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
B	ISSUED FOR REVIEW	RS		TM	22.12.21
C	ISSUED FOR REVIEW	RS		TM	17.01.22
D	CDVC 2.1 ISSUE	GD		TM	19.01.22
E	ISSUED FOR INFORMATION	RS		TM	02.03.22
F	ISSUED FOR INFORMATION	RS		TM	04.03.22
G	CDVC.2.2 ISSUE	RS		TM	25.03.22

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
UPPER GROUND FLOOR SLAB PLAN - GRID C-I

JOB NUMBER	DRAWING NUMBER	
S202025	NE-ST-DWG-C1-06.05	
	DRAWING SHEET SIZE = A0	REVISION G

ISSUE FOR CDCV2.2

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

SECTION 2

IR01 INSPECTION REPORT

Upper Ground Pour 4 - 141

Form Reference	F49280.6
Owned By	Ronnie DeGuzman - rdeguzman@interspan.com.au (Interspan NSW)
Date	29/08/2022 16:20:18
Status	Submitted
Project Name	21170 TAFE KINGSWOOD - 12-44 O'CONNELL ST
Project Reference	21170
Client Project Reference	ADCO CONSTRUCTIONS PTY LTD
Location	Upper Ground Pour 4 - 141

Drawing Ref	141 rev A

Post Tensioning Checklist

#	Check Item	Yes/No	Comments/ Tendons Affected
1	No. Strands	Yes	
2	Tendons	Yes	
3	Profiles	Yes	
4	Anti Burst	Yes	
5	Dead End Length	Yes	
6	Chairing	Yes	
7	Grout Hose	Yes	
8	Staples	Yes	

PT % Complete	100

Conventional Reinforcement Checklist

#	Check Item	Yes/No	Comments
1	No Bars/ Size	Yes	
2	Cover (Internal/ External)	Yes	
3	Laps	Yes	
4	Trimmers	Yes	
5	Chairs	Yes	
6	Shear (including punching shear)	Yes	

Bottom Rebar Percentage Complete %	98
Top Rebar Percentage Complete %	95

General Checklist

#	Check Item	Yes/ No	Comments
1	Formwork	Yes	
2	Cleanliness	Yes	
3	Scabbling	Yes	
4	Support	Yes	
5	Starters (from previous pour)	Yes	
6	Metal Deck Alignment	Yes	
7	Hydrophilic Strip / Slip Joint	No	
8	All cast in pipes and conduits are per GA.	Yes	

Items requiring actions

#	Item Number	Description	Comments	Issue	Reference Type	Reference ID
1	1	Other Answer:Set up pans				
2	2	Ancon Connectors	reo around ancon. missing u bars but agreed to use as installed by design engineer			

#	Item Number	Description	Comments	Issue	Reference Type	Reference ID
3	3	Bottom Reinforcement,Top Reinforcement	near lift wall to be completed			
4	4	Bottom Reinforcement,Top Reinforcement	to install remaining top reo as per mark up			

Other remarks (attach any photos here)

Images

29/08/2022 16:23:49

29/08/2022 16:23:50

29/08/2022 16:23:50

Signed by Inspector

Inspecting Engineer	

Ronnie DeGuzman -
rdeguzman@interspan.com.au
(Interspan NSW)

29/08/2022 16:23:57

Inspecting Engineer Contact	Ronnie De Guzman - rdeguzman@interspan.com.au

Note:
Formwork dimension, setout and alignment are confirmed by others. Changes of conventional to metal decking must have prior approval.Cast in pipes/ conduit must not be placed around transfer columns, near support columns or transfer beams without approval from design engineer.Ensure construction joint detailing includes sufficient scabbling of concrete surface. All Stressing Pan Reinforcements and Trimmers are to beinstalled. Refer to Interspan's drawing 001 for details.Unless organised otherwise, an initial stress mustbe applied to the concrete slab at 24 hours - pending crush test results per General Notes Interspan Drawing 001.For any advice or queries, please call Interspan Office on 02 9313 1700

Builder Sign Off On Inspection Performed

Planned pour date:	30/08/2022

Signatures

#	Check Item	Client Rep	Leading Hand
1	Report	EMAIL M.O (Interspan NSW) 29/08/2022 16:24:14	

The client by signing the above, indicates that the issues will be corrected in accordance with this report and the approved drawings and any attached instructions prior to concrete pour.

Form Location	Upper Ground Pour 4 - 141

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: **Kingswood IATC** **Principal Contractor:** ADCO Constructions P/L

Pour location/description: UGF Pour 2 & 4

Prepared by: M. Lentini

Pour Date: 12/11/2022

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~~: Lap / 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:

Foreman / Supervisor: Munkhdemberel **Date:** 12/11/22

SECTION 4

TransForm
Formwork Contractors

FORMWORK DECK INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: UGF Floor 2 & 4

ITP No. 42

DATE: 29/8/2022

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	29/8	RT	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	29/8	DK	
2	**DRAWING NUMBERS USED:**	TF	29/8	DK	
3	**Send highlighted drawings to office**	TF	29/8	DK	
4	Setout beams , columns, etc.	TF	29/8	DK	
5	Install frames	TF	29/8	DK	
6	Install fall protection as per SWMS	TF	29/8	DK	
Witness	**Check quality of formwork (ply/timber) used**	Builder			
7	Install beams soffit	TF	29/8	DK	
8	Install beam sheet pattern (only if required)	TF	29/8	DK	
9	Install deck soffit	TF	29/8	DK	
10	Install deck sheet pattern (only if required)	TF	29/8	DK	
11	Install edge boards	TF	29/8	DK	
12	Clean deck	TF	29/8	DK	
13	Check all setout for above items	TF	29/8	DK	
14	**HANDOVER**	TF	29/8	DK	
15	**Reo Installation**	Builder	29/8	RT	
Hold	**Reinforcement Inspection**	Builder	29/8	RT	
16	Install set downs - Sign off	TF	29/8	DK	
17	Install sleeves	TF	29/8	DK	N/A
18	Install cast-ins	TF	/	/	/
19	Check back propping/ frame bracing/ setdowns/cast-ins	TF	29/8	DK	
20	Sent ITP to office (projects@transformnsw.com.au)	TF	30/8	DK	
Witness	**Formwork Engineer inspection**	TF	29/8	DK	
21	Rectify any Engineers comments	TF	29/8	DK	
22	Clean deck	TF	29/8	DK	
Hold	**Formwork Inspection by Builder for Sign off**	Builder			
	Concrete Pour	Builder	29/8	RT	

Comments

T W E S

Formwork Inspection Report

Address: TAFE NSW 1 ATC KINGSWOOD **Job No:** 222087

Client TRANSFORM FORMWORK CONTRACTORS P/L

Date/Time: 29/08/22 04:20PM **Element(s):** UPPER GROUND FLOOR POUR 4

Formwork system: CONVENTIONAL & FARESIN **Pour rate:** AS PER BELOW

Reference Drawings: AS PER DESIGN PACKAGE

This inspection has been performed in accordance with **AS3610 - Formwork for Concrete** and **AS1720 - Timber Structures Code.** Under the condition any required rectification works have been completed to a satisfactory standard, and approved by the formwork supervisor, we confirm the formwork system supporting the element(s) stated herein have been installed in accordance with the relevant Australian Standards.

All parties involved to abide by the following engineering notes:

1. Do not mound concrete unless noted otherwise;
2. All beams should be poured prior to slab panels;
3. Ensure F14 plywood with EWPAA testing used as a minimum;
4. This report is valid for 2 business days from date and time of this report;
5. Ensure all U-head Jacks are checked and tightened prior to pour;
6. All props when used in system or conventionally to be plumb and tightened;
7. Slabs & Beams ≥ 400mm deep to be poured in 300-400mm increments unless noted otherwise;
8. All conventional and proprietary systems to be installed in accordance with manufacturer's specifications;
9. Once Formwork elements have been inspected, it is client's responsibility to ensure no unauthorised alterations to formwork unless otherwise noted on page 2 of this report;
10. This report is only valid for the structural formwork components. Other elements such as access ways, handrails, scaffold and stair forms are excluded unless noted otherwise;
11. Rectification works (if any) noted on page 2 require the formwork supervisor/foreman to sign off as completed prior to loading of the system;
12. This report is validated for visually accessible areas at the time of inspection;
13. Client is responsible to ensure all material used onsite is in good working condition;
14. All formwork material is based on visual assessment only;
15. This report shall not be construed as relieving any other party of their responsibilities or contractual obligations;
16. This formwork report is valid for all formwork components above natural ground level. All ground conditions and appropriate compactions to be the responsibility of the principal contractor who has to provide appropriate certification to ensure ground conditions will sustain all formwork loads imposed during construction.

Engineer MOHAMMED AL TAMIMI **Formwork supervisor:** DANIEL KB

Qualifications: B.E (STRUC),MIE AUST **Rectification works completed:** YES

Signature: **Signature:** **Date** 30/8/2022

TWES

Formwork Inspection Report

Horizontal Elements		
Items	**Condition**	**Remarks & Works Required**
Base Plates	OK	
Frame Spacing	-	ENSURE TO PROP THE MID SPAN OF THE SYSTEM USING ALU PROPS 350
Frame Extensions	OK	
Frame Bracing	OK	
Bearer Size & Spacing	-	REFER TO THE MARKUP
Joist Size & Spacing	-	REFER TO THE MARKUP ALSO PROP AROUND THE COLUMNS
Prop Spacing	-	REFER TO THE MARKUP
Prop Bracing	OK	
Eccentric Loading	OK	
Prop Inclination	OK	ENSURE PROPS ARE PLUMBED PRIOR TO POUR
Frame Condition	OK	
Plywood Spans	OK	
Metal Formwork (i.e Bondek)	OK	

Back propping			
Number	**Propping %**	**Work Required**	**Number of Levels required for Back propping:**
Level: UPPER GF	100 %		
Level: SOG			
Level:			
Level:			

Additional Notes:

Vertical Elements (Walls and columns)		
Items	**Condition**	**Remarks & Works Required**
Wall Bracing		
Plywood Fixing		
Ties For Wall		
Soldier Spacing		
Waler Spacing		
Wall Kicker Plate		
Prop Spacing		

BD Medbury Consulting Engineer Pty Ltd

Consulting Structural & Civil Engineer
A.B.N. 86 159 811 980

FORMWORK STRUCTURAL CERTIFICATE & RECORD OF INSPECTION

Project: Kingwood Tafe

Level: U/G F Area: Pour 2 & 4

Date: 29/8/22

This is to certify that the Foresite Conventional formwork for the above project has been inspected and is considered to be structurally adequate to support the design loads in accordance with the relevant Australian standards including AS 3610: *Formwork for Concrete*.

The inspection is visual only, and no responsibility can be, or is taken for defects in workmanship, or components not immediately visible, or accessible, during the inspection.

The following items were included in the inspection:

ITEM	CONDITION	WORK REQUIRED
Base plates	✓	
Frame spacing	✓	
Frame bracing	✓	
Frame extensions	✓	
Bearer size and spacing	✓	
Joist size and spacing	✓	
Prop spacing	✓	
Prop bracing	✓	
Eccentric loading	✓	
Prop inclination	✓	
Timber condition		Used
Steel condition	✓	
Nails in plates as required		See Note
Columns framing	N.A.	
Columns bracing	N.A.	
Plywood Fixing	✓	

Comments: Formwork will be structurally adequate for concrete load as per AS3610 subject to completion of items noted.

Bryan Medbury
Certifying Engineer's Name

Signature

B D Medbury Consulting Engineer
PO Box 9727, Baulkham Hills BC NSW 2153
Phone: 9659 0009 Mob: 0418 424 595 Email: bdmedbury@bigpond.com

ITEM	WORK REQUIRED
(1) & (2)	Complete required number of frame towers for Foresin formwork.
(3)	Complete centre propping of Foresin beams under 450 beam
(4)	Formwork engineer to check requirement for centre propping Foresin beams where formworker has not followed design layout.
(5)	Clear stacked bearers
(6)	Install braces to both sides of frames both levels where noted.

B D Medbury Consulting Engineer
PO Box 9727, Baulkham Hills BC NSW 2153
Phone: 9659 0009 Mob: 0418 424 595 Email: bdmedbury@bigpond.com

SECTION 5

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

(30-Aug-2022)

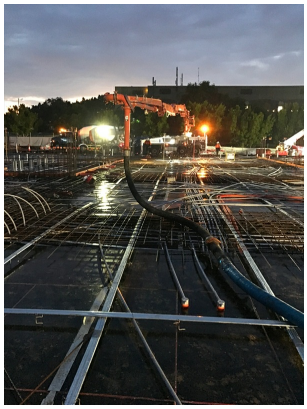
ABN: 79 638 084 554
ACN:638 084 554
Phone: (02) 9723 1700
13/25-33 Alfred Road Chipping Norton
NSW 2170
Email: info@trainogroup.com
Web: www.trainogroup.com

ITP - Suspended Slab V2

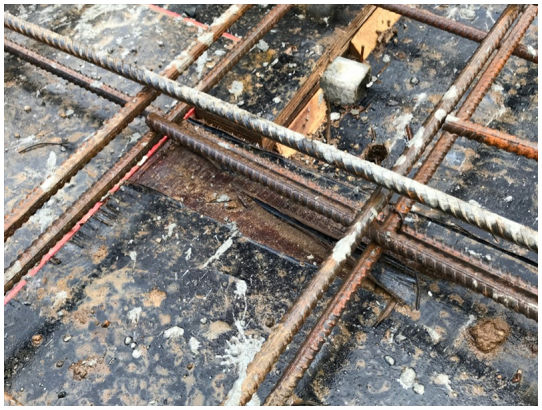
Level/Location	UG
Element	Suspended Slab
Grid Reference	Pour 4 & 2a- Grid C-I
Drawings	
Drawing No	ST-DWG-C1.06.05
Rev No	6
Drawing No	AR-DWG-A1960
Rev No	7
Concrete Test Requirement	
1 Day	Yes
4 Day	Yes
7 Day	Yes
28 Day	Yes
56 Day	No
Other	
Activity	

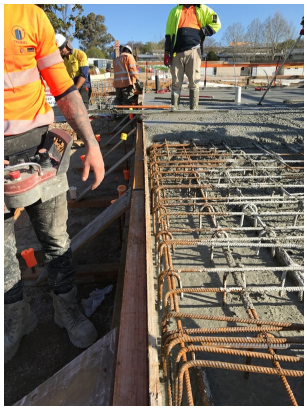
Check reo chair sizes and available concrete cover. Prior to pour. Check benchmark available (Against drawings Engineers Inspection)	Inspection
Check formwork levels as per concrete setout plan. Ensure Concrete mix is in accordance with specification and project documentation (Check formworker's QA & Survey of formworker signed off)	Inspection
Pre pour check-placing access, readiness of concrete placing and vibrating equipment and removal of all debris, loose material and free from water. (Deck is clean with no loose material and is free from water.)	Inspection
Check delivered concrete is of correct grade.Visual Inspection of concrete whilst being discharged from the concrete truck to ensure the concrete is of acceptable quality and that there are no obvious inconsistence in the mix (To specification and/or drawings)	Inspection
Ensure required concrete samples and tests are taken (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check required surface finish. (Against drawings/specifications)	Inspection
Check curing compound applied. Check AsBuilt survey (To specification Safety Cure WB)	Action
Comments	Deck left dirty, will leave a stain in the slab Peno mesh exposed Damaged Formwork tables on slab ADCO informed TGA to give fall to floor waste- not shown on plan No top mesh provided in some area of the beams Formworkers stripping legs early, Timbers have dropped Formwork blowout, poorly braced

Photos




DANGER
CONCRETE
WORK ON
ABOVE





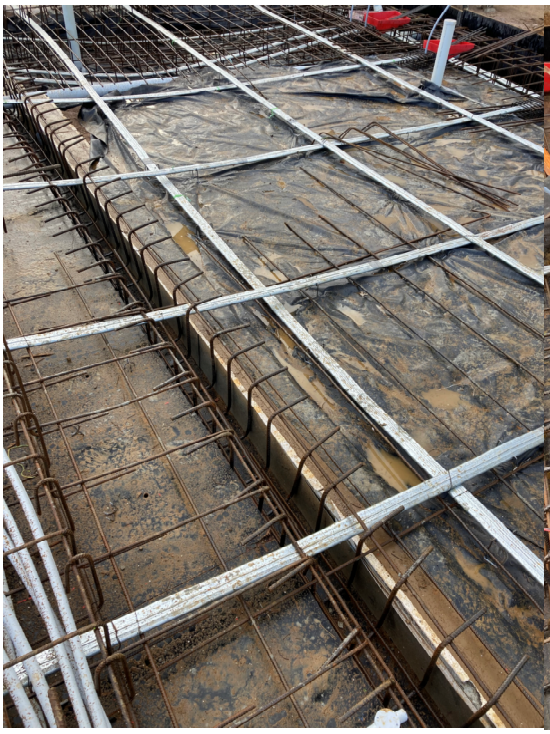
Authorisations

Client & Traino Group confirmation of inspection (where applicable)

Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	30/08/2022

Accepted By (client representative name)	Robert Torchia
Signature	
Date	30/08/2022

SECTION 6



ADCO ITP Documentation

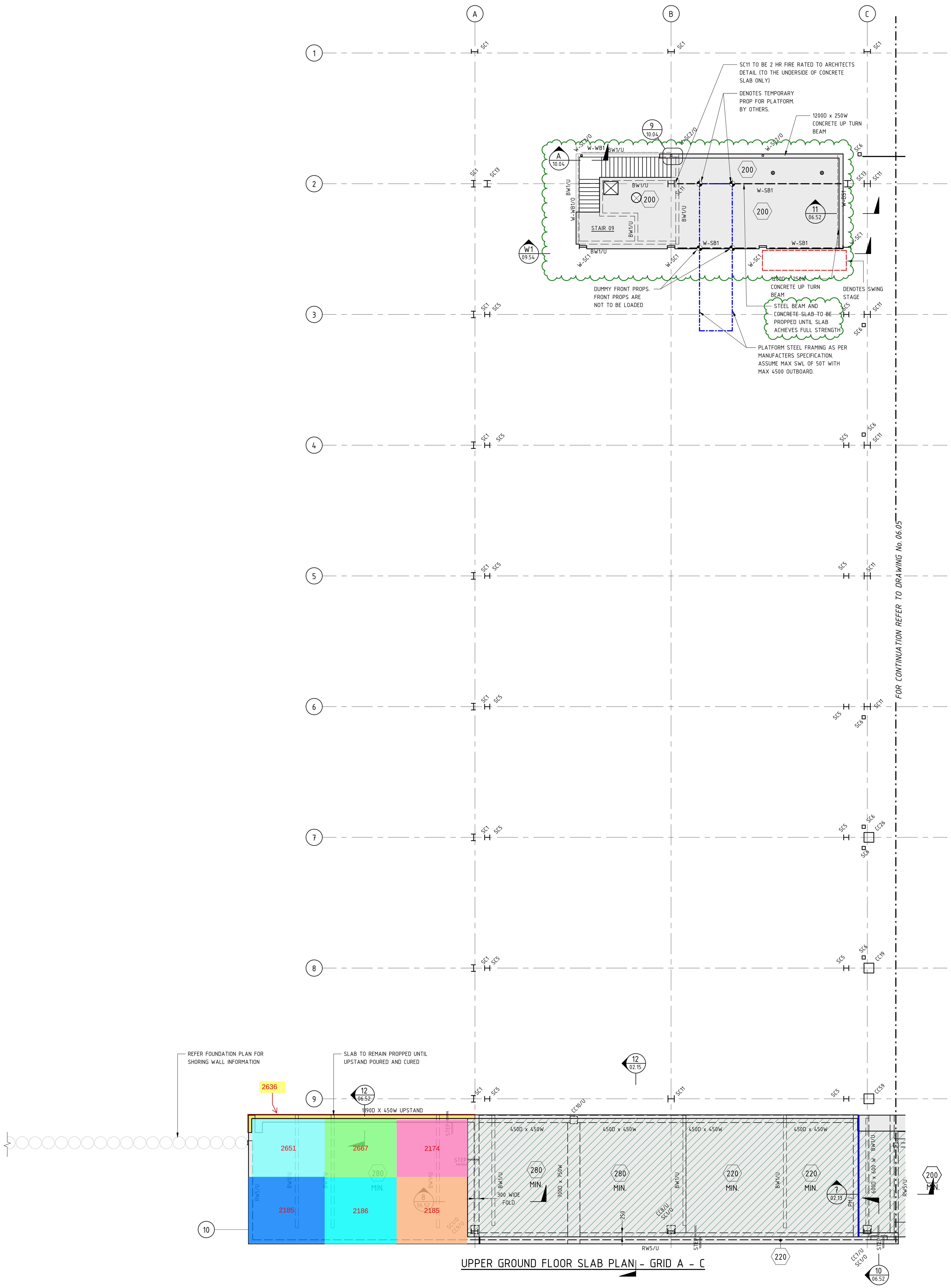
Trade Discipline: FRP

ADCO

UGF Pour 5

Contents

SECTION 1



STEEL MEMBER 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
SC2	100 x 100 x 6.0 SHS	
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 6.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SC13	400 WC 181	2HR FRL TO ARCHITECTS DETAIL
SC14	89 x 89 x 5.0 SHS	
SPF2	150 x 50 x5.0 RHS	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
SSC3	150 x 150 x 6.0 SHS	
SSC6	125 x 125 x 9.0 SHS	
HEADER		
SSH1	150x150x6.0SHS	
SSH2	250x150x5.0RHS	LAID FLAT
SSH3	200x200x9.0SHS	
SSH4	310 UC 118	
SSH5	250x250x6.0SHS	
SSH6	125x125x6.0SHS	
SSH7	300x300x10.0SHS	
SSH8	150x150x6.0SHS	
SSH9	150x150x6.0SHS	
SSH10	250 UC 72.9	LAID FLAT
OPERABLE WALL HEADER BEAM		
OWH1	360 UB 44.7	
PRIMARY BEAM		
PB1	310 UB 32.0	
PURLIN		
PU1	SZ 30024 - 900 CTS	3 ROWS OF BRIDGING.
PU2	SZ 30024 - 1200 CTS	3 ROWS OF BRIDGING.
PU4	EC15015 - 1200 CTS	1 ROW OF BRIDGING.
PU5	SZ 20012 - 1200 CTS	1 ROW OF BRIDGING.
RAFTER		
FB1	380 PFC	FASCIA BEAM
HR1	460 UB 67.1	HIP RAFTER
HR2	200 PFC	
R1	360 UB 50.7	
R2	700 WB 115	
R3	530 UB 92.4	
R4	460 UB 67.1	
R5	250 UB 25.7	
R6	250 UB 31.4	
R7	310 UB 32.0	
RAKING ANGLE		
RA1	125 x 125 x 10 EA	N20-400 CHEMSET MIN 150 EMBEDMENT
ROOF BRACING		
BR1	125 x 125 x 12 EA	
BR2	20 DIA ROD BRACING	COMPLETE WITH TURNBUCKLE
BR3	150 x 150 x 12 EA	
ROOF GUTTER BEAM		
SG1	250 x 150 x 6.0 RHS	
SEATING ANGLE		
SA1	90 x 90 x 8 EA	M16-600 DYNABOLTS
STEEL BEAM		
SB1	250 UB 31.4	
SB2	250 UB 25.7	
SB3	900 WB 257	STEEL BEAM TO BE 2 HOURS FIRE RATED
SB4	250 PFC	
SB5	200 PFC	
SB6	200x200x6.0SHS	
SB7	360 UB 44.7	
SS1	250 PFC	
STEEL CRANE BEAM		
CB1	610 UB 125 + 380 PFC	
CB2	250 UB 25.7	SWING STAGE CRANE BEAM
STEEL JOIST		
SJ1	EC15015 - 450 CTS	1 ROW OF BRIDGING.
SJ2	EC20019 - 450 CTS	1 ROW OF BRIDGING.
STEEL PORTAL FRAME		
SPF1	150x150x6.0SHS	
SPF2	150 x 150 x 5.0 SHS	
WB2	150x150x6.0SHS	PORTAL FRAME BRACE
STRUT		
ST1	200 x 200 x 5.0 SHS	
ST2	150 x 150 x 5.0 SHS	
ST3	89x89x5.0SHS	
ST4	250 PFC	
ST5	150x150x6.0SHS	
ST6	89x89x3.5SHS	
ST7	100 x 100 x 6.0 SHS	
STUB		
STB1	100x100x5.0SHS	
TRANSFER BEAM		
TB1	460 UB 67.1	
TB4	530 UB 92.4	
TRUSS		
BC1	168.3 x 4.8 CHS	BOTTOM CHORD
TC1	700 WB 130	TOP CHORD. PROVIDE 30mm PRECAMBER
WS1	150x150x6.0SHS	WEB STRUT
WALL BRACING		
WB2	150 x 50 x 5.0 RHS	
WINDOW HEADER		
WH1	100x100x5.0SHS	

WORKING HEIGHTS MEMBER SCHEDULE

MARK	SIZE	COMMENT(S)
COLUMN		
W-SC1	460 UB 67.1	2HR FRL TO ARCHITECTS DETAIL
W-SC2	100 x 100 x 6.0 SHS	
W-SC3	125 x 125 x 6.0 SHS	
RAFTER		
W-R1	250 UB 25.7	
W-R2	310 UB 32.0	
ROOF BRACING		
W-BR1	20 DIA ROD BRACING	COMPLETE WITH TURNBUCKLE
STEEL BEAM		
W-SB1	460 UB 67.1	40 PRECAMBER WITH 19x95 SHEAR CONNECTORS AT 400 CTS. STEEL BEAM TO BE 2 HR FIRE RATED TO ARCHITECTS DETAIL
W-SB3	250 UB 25.7	
STRUT		
W-ST1	100x100x5.0SHS	
WALL BRACING		
W-DS1	114.3 x 6.0 CHS	
W-WB1	20 DIA ROD BRACING	COMPLETE WITH TURN BUCKLE

LEGEND

200	DENOTES CONCRETE THICKNESS
500D X 1800W	DENOTES CONCRETE BEAM DEPTH AND WIDTH
50	DENOTES SLAB STEP
	DENOTES PENETRATION/VOID IN SLAB, PROVIDE TRIMMER BARS
CC1/O	DENOTES REINFORCED CONCRETE COLUMN OVER
CC1/U	DENOTES REINFORCED CONCRETE COLUMN UNDER
CC1	DENOTES REINFORCED CONCRETE COLUMN OVER AND UNDER
CW1/O	DENOTES LOAD BEARING CONCRETE WALL OVER
CW1/U	DENOTES LOAD BEARING CONCRETE WALL UNDER
CW1	DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
WF1	DENOTES A323MPG WEBFORGE GRATES OR EQUIVALENT
⊗	DENOTES 200DIA PENETRATION
	DENOTES 200 THICK BONDEK SLAB. 1.0 BMT
	DENOTES AREA OF SLAB WITH 100mm THICK UNBONDED TOPPING SLAB TO ALL EXTERNAL SLAB AREAS - REER TO ARCHITECT FOR DETAILS. PROVIDE SL92 MESH TOP AND JOINTS AT 3m CTS EACH WAY

WALL SCHEDULE

MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	REFER DRAWING 03.11 FOR NON-LOADING BEARING CONCRETE WALL DETAILS
CW3	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
RW9	350	N20-150 VERTICAL, N16-200 HORIZONTAL. EF
RW10	350	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
SC2	100 x 100 x 6.0 SHS	
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 6.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SC13	400 WC 181	2HR FRL TO ARCHITECTS DETAIL
SC14	89 x 89 x 5.0 SHS	
SPF2	150 x 50 x5.0 RHS	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
SSC3	150 x 150 x 6.0 SHS	
SSC6	125 x 125 x 9.0 SHS	
W-SC1	460 UB 67.1	2HR FRL TO ARCHITECTS DETAIL
W-SC2	100 x 100 x 6.0 SHS	
W-SC3	125 x 125 x 6.0 SHS	

FOR CONSTRUCTION

GENERAL NOTES:

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

ALL SLABS TO BE 160mm THICK AND POST-TENSIONED BY OTHERS, UNLESS NOTED OTHERWISE.

CONCRETE SLAB STRENGTH TO BE f'c = 40MPa.

ALL FALLS TO ARCHITECT'S DETAILS.

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

ALL DIMENSIONS NOTED ARE MINIMUM DIMENSIONS.

ALL EXTERNAL AREAS TO HAVE WATERPROOF MEMBRANE TO ARCHITECTS DETAIL.

FLOOR BOXES SHOWN INDICATIVELY ONLY. FINAL LCOATION, SIZE AND SET OUT TO ARCHITECTS DETAIL

REFER TO ELEVATIONS FOR SECONDARY STEEL

POST-TENSIONING NOTES:

REFER TO POST-TENSIONING NOTES FOR DESIGN AND CONSTRUCTION ON DRAWING S00.11.

P/A TO BE A MINIMUM OF 2.0MPa TO ALL EXTERNAL AREAS AND OPEN AIR PLANT ROOMS.

PT CONTRACTOR TO ALLOW FOR ALL TENDONS TO BE PAN STRESSED. NO EDGE STRESSING ALLOWED AT EXPOSED CONCRETE EDGES

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
G	ISSUED FOR INFORMATION	RS		TM	14.04.22
1	ISSUED FOR CONSTRUCTION	RS		TM	26.05.22
2	REVISED FOR CONSTRUCTION	RS		TM	20.07.22
3	REVISED FOR CONSTRUCTION	RS		TM	23.07.22
4	REVISED FOR CONSTRUCTION	RS		TM	07.09.22
5	REVISED FOR CONSTRUCTION	RS	JL	TM	23.01.23

ARCHITECT
GRAY PUKSAND

CLIENT
NSW GOVERNMENT TAFE NSW

PROJECT
INSTITUTE OF APPLIED TECHNOLOGY - CONSTRUCTION
12-44 O'CONNELL ST, KINGSWOOD NSW 2747

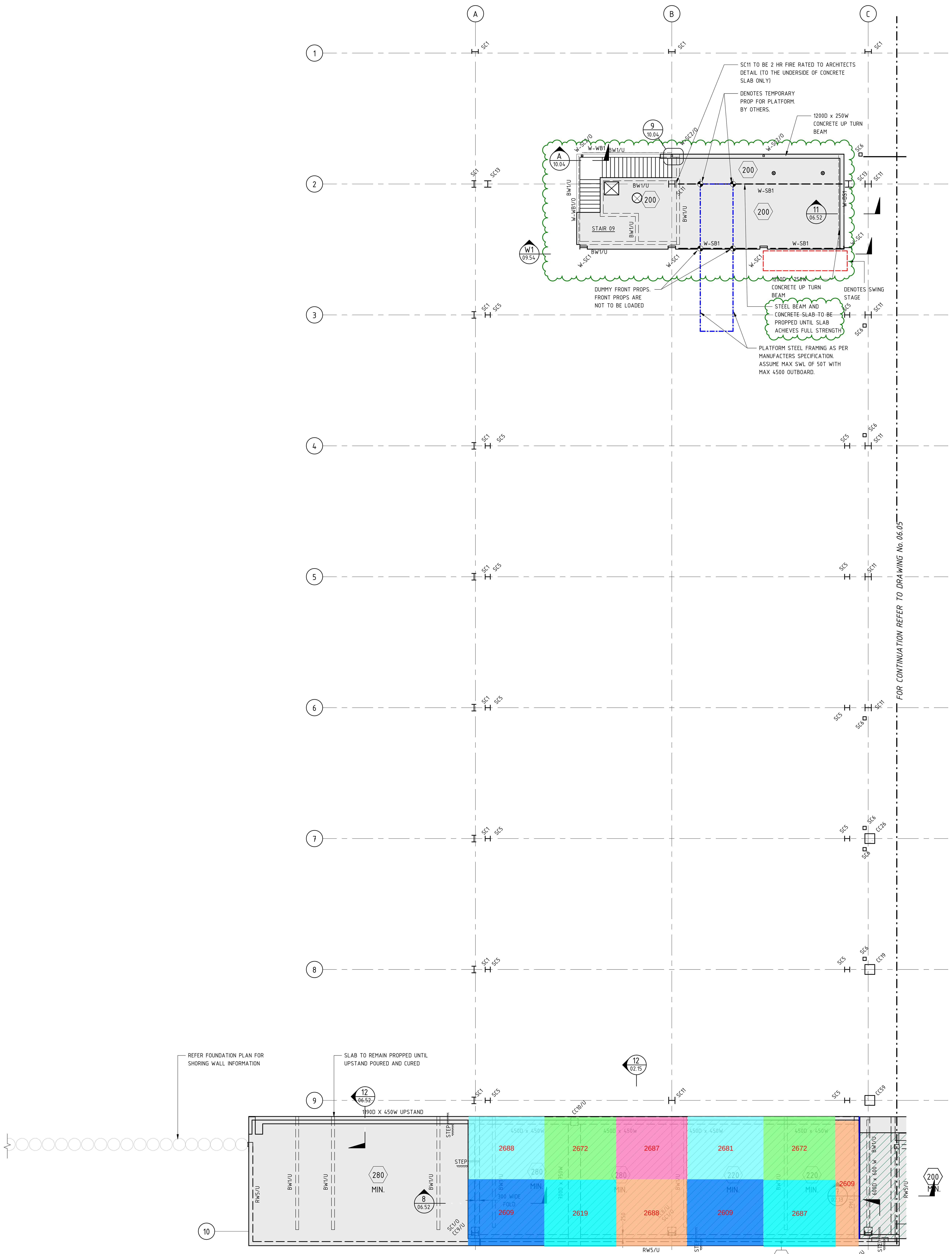
NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

0 1000 2000 3000 4000 5000

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

JOB NUMBER S202025
DRAWING NUMBER NE-ST-DWG-C1-06.00
DRAWING SHEET SIZE = A0
REVISION 5

DRAWN: ROBERT STEVENS DESIGNED: TRUDY MYERS JOB MANAGER: TRUDY MYERS VERIFIER: JONATHAN LOW



UPPER GROUND FLOOR SLAB PLAN - GRID A - C

STEEL MEMBER 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
SC2	100 x 100 x 6.0 SHS	
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 6.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SC13	400 WC 181	2HR FRL TO ARCHITECTS DETAIL
SC14	89 x 89 x 5.0 SHS	
SPF2	150 x 50 x5.0 RHS	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
SSC3	150 x 150 x 6.0 SHS	
SSC6	125 x 125 x 9.0 SHS	
HEADER		
SSH1	150x150x6.0SHS	
SSH2	250x150x5.0RHS	LAID FLAT
SSH3	200x200x9.0SHS	
SSH4	310 UC 118	
SSH5	250x250x6.0SHS	
SSH6	125x125x6.0SHS	
SSH7	300x300x10.0SHS	
SSH8	150x150x6.0SHS	
SSH9	150x150x6.0SHS	
SSH10	250 UC 72.9	LAID FLAT
OPERABLE WALL HEADER BEAM		
OWH1	360 UB 44.7	
PRIMARY BEAM		
PB1	310 UB 32.0	
PURLIN		
PU1	SZ 30024 - 900 CTS	3 ROWS OF BRIDGING.
PU2	SZ 30024 - 1200 CTS	3 ROWS OF BRIDGING.
PU4	EC15015 - 1200 CTS	1 ROW OF BRIDGING.
PU5	SZ 20012 - 1200 CTS	1 ROW OF BRIDGING.
RAFTER		
FB1	380 PFC	FASCIA BEAM
HR1	460 UB 67.1	HIP RAFTER
HR2	200 PFC	
R1	360 UB 50.7	
R2	700 WB 115	
R3	530 UB 92.4	
R4	460 UB 67.1	
R5	250 UB 25.7	
R6	250 UB 31.4	
R7	310 UB 32.0	
RAKING ANGLE		
RA1	125 x 125 x 10 EA	N20-400 CHEMSET MIN 150 EMBEDMENT
ROOF BRACING		
BR1	125 x 125 x 12 EA	
BR2	20 DIA ROD BRACING	COMPLETE WITH TURNBUCKLE
BR3	150 x 150 x 12 EA	
ROOF GUTTER BEAM		
SG1	250 x 150 x 6.0 RHS	
SEATING ANGLE		
SA1	90 x 90 x 8 EA	M16-600 DYNABOLTS
STEEL BEAM		
SB1	250 UB 31.4	
SB2	250 UB 25.7	
SB3	900 WB 257	STEEL BEAM TO BE 2 HOURS FIRE RATED
SB4	250 PFC	
SB5	200 PFC	
SB6	200x200x6.0SHS	
SB7	360 UB 44.7	
SS1	250 PFC	
STEEL CRANE BEAM		
CB1	610 UB 125 + 380 PFC	
CB2	250 UB 25.7	SWING STAGE CRANE BEAM
STEEL JOIST		
SJ1	EC15015 - 450 CTS	1 ROW OF BRIDGING.
SJ2	EC20019 - 450 CTS	1 ROW OF BRIDGING.
STEEL PORTAL FRAME		
SPF1	150x150x6.0SHS	
SPF2	150 x 150 x 5.0 SHS	
WB2	150x150x6.0SHS	PORTAL FRAME BRACE
STRUT		
ST1	200 x 200 x 5.0 SHS	
ST2	150 x 150 x 5.0 SHS	
ST3	89x89x5.0SHS	
ST4	250 PFC	
ST5	150x150x6.0SHS	
ST6	89x89x3.5SHS	
ST7	100 x 100 x 6.0 SHS	
STUB		
STB1	100x100x5.0SHS	
TRANSFER BEAM		
TB1	460 UB 67.1	
TB4	530 UB 92.4	
TRUSS		
BC1	168.3 x 4.8 CHS	BOTTOM CHORD
TC1	700 WB 130	TOP CHORD. PROVIDE 30mm PRECAMBER
WS1	150x150x6.0SHS	WEB STRUT
WALL BRACING		
WB2	150 x 50 x 5.0 RHS	
WINDOW HEADER		
WH1	100x100x5.0SHS	

WORKING HEIGHTS MEMBER SCHEDULE		
MARK	SIZE	COMMENT(S)
COLUMN		
W-SC1	460 UB 67.1	2HR FRL TO ARCHITECTS DETAIL
W-SC2	100 x 100 x 6.0 SHS	
W-SC3	125 x 125 x 6.0 SHS	
RAFTER		
W-R1	250 UB 25.7	
W-R2	310 UB 32.0	
ROOF BRACING		
W-BR1	20 DIA ROD BRACING	COMPLETE WITH TURNBUCKLE
STEEL BEAM		
W-SB1	460 UB 67.1	40 PRECAMBER WITH 19x95 SHEAR CONNECTORS AT 400 CTS. STEEL BEAM TO BE 2 HR FIRE RATED TO ARCHITECTS DETAIL
W-SB3	250 UB 25.7	
STRUT		
W-ST1	100x100x5.0SHS	
WALL BRACING		
W-DS1	114.3 x 6.0 CHS	
W-WB1	20 DIA ROD BRACING	COMPLETE WITH TURN BUCKLE

LEGEND

- 200 — DENOTES CONCRETE THICKNESS
- 500D X 1800W — DENOTES CONCRETE BEAM DEPTH AND WIDTH
- 50 — DENOTES SLAB STEP
- DENOTES PENETRATION/VOID IN SLAB, PROVIDE TRIMMER BARS
- CC1/O — DENOTES REINFORCED CONCRETE COLUMN OVER
- CC1/U — DENOTES REINFORCED CONCRETE COLUMN UNDER
- CC1 — DENOTES REINFORCED CONCRETE COLUMN OVER AND UNDER
- CW1/O — DENOTES LOAD BEARING CONCRETE WALL OVER
- CW1/U — DENOTES LOAD BEARING CONCRETE WALL UNDER
- CW1 — DENOTES LOAD BEARING CONCRETE WALL OVER AND UNDER
- WF1 — DENOTES A323MPG WEBFORGE GRATES OR EQUIVALENT
- DENOTES 200DIA PENETRATION
- DENOTES 200 THICK BONDEK SLAB. 1.0 BMT
- DENOTES AREA OF SLAB WITH 100mm THICK UNBONDED TOPPING SLAB TO ALL EXTERNAL SLAB AREAS - REER TO ARCHITECT FOR DETAILS. PROVIDE SL92 MESH TOP AND JOINTS AT 3m CTS EACH WAY

WALL SCHEDULE		
MARK	THICKNESS	COMMENT(S)
CONCRETE		
CW1	250	N20-200 VERT & N20-200 HORIZ. EF
CW2	200	REFER DRAWING 03.11 FOR NON-LOADING BEARING CONCRETE WALL DETAILS
CW3	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
RW9	350	N20-150 VERTICAL, N16-200 HORIZONTAL. EF
RW10	350	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
SC2	100 x 100 x 6.0 SHS	
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 6.0 SHS	
SC9	150 x 150 x 6.0 SHS	
SC11	400 WC 144	
SC12	200 PFC	
SC13	400 WC 181	2HR FRL TO ARCHITECTS DETAIL
SC14	89 x 89 x 5.0 SHS	
SPF2	150 x 50 x5.0 RHS	
SSC1	89 x 89 x 5.0 SHS	
SSC2	100 x 100 x 6.0 SHS	
SSC3	150 x 150 x 6.0 SHS	
SSC6	125 x 125 x 9.0 SHS	
W-SC1	460 UB 67.1	2HR FRL TO ARCHITECTS DETAIL
W-SC2	100 x 100 x 6.0 SHS	
W-SC3	125 x 125 x 6.0 SHS	

FOR CONSTRUCTION

GENERAL NOTES:

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

ALL SLABS TO BE 160mm THICK AND POST-TENSIONED BY OTHERS, UNLESS NOTED OTHERWISE.

CONCRETE SLAB STRENGTH TO BE f'c = 40MPa.

ALL FALLS TO ARCHITECT'S DETAILS.

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

ALL DIMENSIONS NOTED ARE MINIMUM DIMENSIONS.

ALL EXTERNAL AREAS TO HAVE WATERPROOF MEMBRANE TO ARCHITECTS DETAIL.

FLOOR BOXES SHOWN INDICATIVELY ONLY. FINAL LCOATION, SIZE AND SET OUT TO ARCHITECTS DETAIL

REFER TO ELEVATIONS FOR SECONDARY STEEL

POST-TENSIONING NOTES:

REFER TO POST-TENSIONING NOTES FOR DESIGN AND CONSTRUCTION ON DRAWING S00.11.

P/A TO BE A MINIMUM OF 2.0MPa TO ALL EXTERNAL AREAS AND OPEN AIR PLANT ROOMS.

PT CONTRACTOR TO ALLOW FOR ALL TENDONS TO BE PAN STRESSED. NO EDGE STRESSING ALLOWED AT EXPOSED CONCRETE EDGES

REV	DESCRIPTION	ISS'D	VER'D	APP'D	DATE
G	ISSUED FOR INFORMATION	RS		TM	14.04.22
1	ISSUED FOR CONSTRUCTION	RS		TM	26.05.22
2	REVISED FOR CONSTRUCTION	RS		TM	20.07.22
3	REVISED FOR CONSTRUCTION	RS		TM	23.07.22
4	REVISED FOR CONSTRUCTION	RS		TM	07.09.22
5	REVISED FOR CONSTRUCTION	RS	JL	TM	23.01.23

ARCHITECT: GRAY PUKSAND

CLIENT: NSW GOVERNMENT TAFE NSW

PROJECT: INSTITUTE OF APPLIED TECHNOLOGY - CONSTRUCTION
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 UPPER GROUND FLOOR SLAB PLAN - GRID A-C

JOB NUMBER: S202025
DRAWING NUMBER: NE-ST-DWG-C1-06.00
DRAWING SHEET SIZE = A0
REVISION 5

DRAWN: ROBERT STEVENS
DESIGNED: TRUDY MYERS
JOB MANAGER: TRUDY MYERS
VERIFIER: JONATHAN LOW

SECTION 2

Northrop Consulting Engineers Pty Ltd
ABN 81 094 433 100

SITE INSTRUCTION MEMO

Job No:	Job Name:	Date:
202025	TAFE IATC	23.02.2023

To	Cop	Company	Attention
X		ADCO	GEORGE AWAD, MATTHEW OLSZEWSKI

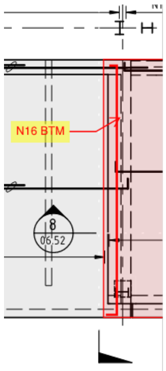
Site visit requested by: GEORGE AWAD

Reason for visit: Upper Ground Slab Between grid A-C

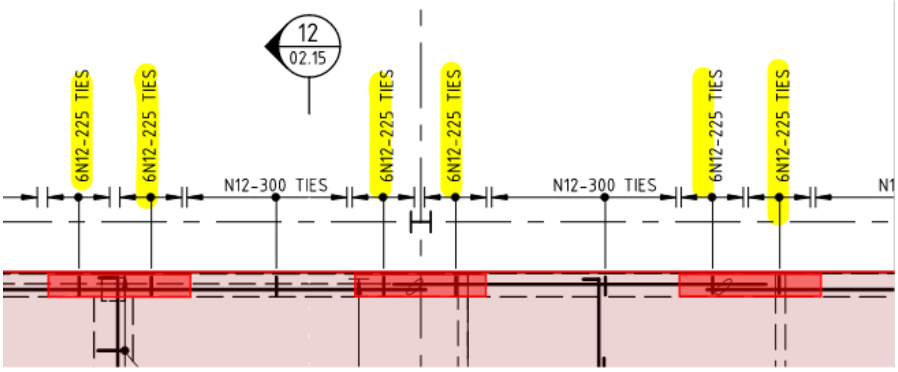
We confirm, having inspected the above, at the time of inspection, work was found to be in general accordance with the structural intent with the exception to the below items:

<u>Bleacher Stair:</u>

1) 1 N16 bottom bar not installed. Please install the additional bar and send photos for review and approval.



2) Closer spaced ties adjacent to walls and beam should have ties placed at 225 cts. If 225 is not achievable, please ensure ties are a maximum of 250 CTS. Send photos for review and approval.



<u>General:</u>

- 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: 23.02.2023

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:
UGF Pour 5a Lower half

Prepared by: M. Lentini

Pour Date: 02/02/23

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: 02/02/2023

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

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:
UGF Pour 5a Upper half

Prepared by: M. Lentini

Pour Date: 24/02/2023

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: La~~p / 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: 24/02/2023

Foreman / Supervisor: Munkhdemberel **Date:** 24/02/2023

SECTION 4

TransForm
Formwork Contractors

FORMWORK DECK INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: UGF POUR 5 LOWER

ITP No. 89

DATE: 22/2/2023

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	22/2	DK	
2	**DRAWING NUMBERS USED:** A 1960 REV 10 A 1961 REV 3 ST 06.00 REV 5	TF	22/2	DK	
3	**Send highlighted drawings to office**	TF	22/2	DK	
4	Setout beams , columns, etc.	TF	22/2	DK	
5	Install frames	TF	22/2	DK	
6	Install fall protection as per SWMS	TF	22/2	DK	
Witness	**Check quality of formwork (ply/timber) used**	Builder			
7	Install beams soffit	TF	22/2	DK	
8	Install beam sheet pattern (only if required)	TF	22/2	DK	N/A
9	Install deck soffit	TF	22/2	DK	
10	Install deck sheet pattern (only if required)	TF	22/2	DK	N/A
11	Install edge boards	TF	22/2	DK	
12	Clean deck	TF	22/2	DK	
13	Check all setout for above items	TF	22/2	DK	
14	**HANDOVER**	TF	22/2	DK	
15	**Reo Installation**	Builder			
Hold	**Reinforcement Inspection**	Builder			
16	Install set downs - Sign off	TF	22/2	DK	
17	Install sleeves	TF	22/2	DK	N/A
18	Install cast-ins	TF	22/2	DK	N/A
19	Check back propping/ frame bracing/ setdowns/cast-ins	TF	22/2	DK	
20	Sent ITP to office (projects@transformnsw.com.au)	TF	22/2	DK	
Witness	**Formwork Engineer inspection**	TF	21/2	DK	
21	Rectify any Engineers comments	TF	21/2	DK	
22	Clean deck	TF	21/2	DK	
Hold	**Formwork Inspection by Builder for Sign off**	Builder			
	Concrete Pour	Builder	22/2		

Comments: UPTURN BEAM RL CHANGED TO 56'590 TO ACHIEVE COVER TO STEEL.

TransForm
Formwork Contractors

FORMWORK DECK INSPECTION CHECKLIST

PROJECT: TAFE NSW KINGSWOOD

WORK AREA: UGF BLK 5 HIGHER

ITP No. 90

DATE: 24/2/2023

SUPERVISOR: DANIEL

Item	Acceptance Criteria	Inspection By	Date	Initial Signed	Comments
Hold	**Builder to review Formwork shop drawings**	Builder	24/2	GA	
1	Drawing and setout review for area by supervisor RFI's sent and received	TF	24/2	DK	
2	**DRAWING NUMBERS USED:** A 1960 REV 10 ST 06.00 Rev 5	TF	24/2	DK	
3	**Send highlighted drawings to office**	TF	24/2	DK	
4	Setout beams , columns, etc.	TF	24/2	DK	
5	Install frames	TF	24/2	DK	
6	Install fall protection as per SWMS	TF	24/2	DK	
Witness	**Check quality of formwork (ply/timber) used**	Builder	24/2	GA	
7	Install beams soffit	TF	24/2	DK	
8	Install beam sheet pattern (only if required)	TF	24/2	DK	N/A
9	Install deck soffit	TF	24/2	DK	
10	Install deck sheet pattern (only if required)	TF	24/2	DK	N/A
11	Install edge boards	TF	24/2	DK	
12	Clean deck	TF	24/2	DK	
13	Check all setout for above items	TF	24/2	DK	
14	**HANDOVER**	TF	24/2	DK	
15	**Reo installation**	Builder	24/2	G.A	
Hold	**Reinforcement Inspection**	Builder	24/2	G.A	
16	Install set downs - Sign off	TF	24/2	DK	
17	Install sleeves	TF	/	/	/
18	Install cast-ins	TF	/	/	/
19	Check back propping/ frame bracing/ setdowns/cast-ins	TF	24/2	DK	
20	Sent ITP to office (projects@transformnsw.com.au)	TF	24/2	DK	
Witness	**Formwork Engineer inspection**	TF	23/2	DK	
21	Rectify any Engineers comments	TF	23/2	DK	
22	Clean deck	TF	24/2	DK	
Hold	**Formwork inspection by Builder for Sign off**	Builder	24/2	G.A	
	Concrete Pour	Builder	24/2	G.A	

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 - Suspended Slab V2

Level/Location	UG
Element	Suspended Slab
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 reo chair sizes and available concrete cover. Prior to pour. Check benchmark available (Against drawings Engineers Inspection)	Inspection
Check formwork levels as per concrete setout plan. Ensure Concrete mix is in accordance with specification and project documentation (Check formworker's QA & Survey of formworker signed off)	Inspection
Pre pour check-placing access, readiness of concrete placing and vibrating equipment and removal of all debris, loose material and free from water. (Deck is clean with no loose material and is free from water.)	Inspection
Check delivered concrete is of correct grade.Visual Inspection of concrete whilst being discharged from the concrete truck to ensure the concrete is of acceptable quality and that there are no obvious inconsistence in the mix (To specification and/or drawings)	Inspection
Ensure required concrete samples and tests are taken (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check required surface finish. (Against drawings/specifications)	Inspection
Check curing compound applied. Check AsBuilt survey (To specification Safety Cure WB)	Action
Comments	Poured additional 2 pile caps via bin Not allowed enough space to trowel underneath
Photos	

Authorisations	
Client & Traino Group confirmation of inspection (where applicable)	
Traino Staff member	Khatu Dinh
Traino Staff signature	
Date	22/02/2023
Accepted By (client representative name)	Robert Torchia
Signature	
Date	22/02/2023

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

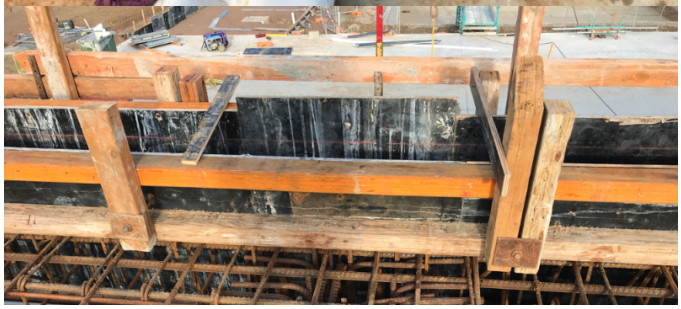
ITP - Suspended Slab V2

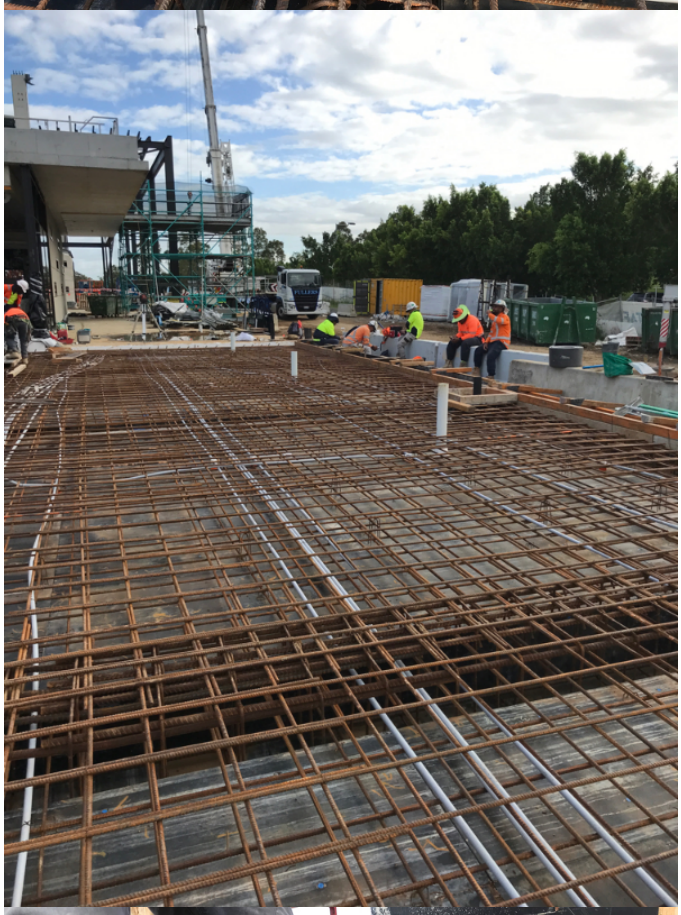
Level/Location	1
Element	Suspended Slab
Grid Reference	
Drawings	
Drawing No	
Rev No	
Drawing No	
Rev No	
Concrete Test Requirement	
1 Day	No
4 Day	No
7 Day	Yes
28 Day	Yes
56 Day	No
Other	

Activity	
Check reo chair sizes and available concrete cover. Prior to pour. Check benchmark available (Against drawings Engineers Inspection)	Inspection
Check formwork levels as per concrete setout plan. Ensure Concrete mix is in accordance with specification and project documentation (Check formworker's QA & Survey of formworker signed off)	Inspection
Pre pour check-placing access, readiness of concrete placing and vibrating equipment and removal of all debris, loose material and free from water. (Deck is clean with no loose material and is free from water.)	Inspection
Check delivered concrete is of correct grade.Visual Inspection of concrete whilst being discharged from the concrete truck to ensure the concrete is of acceptable quality and that there are no obvious inconsistence in the mix (To specification and/or drawings)	Inspection
Ensure required concrete samples and tests are taken (To specification)	Inspection
Check suitable method of placement and vibration. (Visual Check)	Inspection
Check required surface finish. (Against drawings/specifications)	Inspection
Check curing compound applied. Check AsBuilt survey (To specification Safety Cure WB)	Action
Comments	1x Column in slab Underside of Hob lifted 35mm
Photos	







Authorisations	
Client & Traino Group confirmation of inspection (where applicable)	
Traino Staff member	Khatu Dinh

Traino Staff signature	
Date	24/02/2023
Accepted By (client representative name)	Malcolm Pack
Signature	
Date	24/02/2023

SECTION 6