

Form 15—Compliance certificate for building design or specification

Version 4 – July 2017

NOTE: This is to be used for the purposes of section 10 of the *Building Act 1975* and/or section 46 of the *Building Regulation 2006*.

RESTRICTION: A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the Queensland Development Code (QDC). A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.

1. Property description

This section need only be completed if details of street address and property description are applicable.

E.g. in the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.

The description must identify all land the subject of the application.

The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.

If the plan is not registered by title, provide previous lot and plan details.

Street address (include no., street, suburb/locality and postcode)

80 & 102 George Street, 75 & 75A William Street

Brisbane QLD

Postcode 4000

Lot and plan details (attach list if necessary)

Lot 2 on B32444

Lot 3 on CP882348

Lot 101 on CP905886

Lot 204 on SP289461

In which local government area is the land situated?

Brisbane City Council

2. Description of component/s certified

Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.

Seismic Design of Wet & Dry Fire Services as installed by Premier Fire in Queens Wharf – Part C L05-L06

3. Basis of certification

Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.

The services detailed above have been designed to withstand seismic loads as specified in AS1170.4 Earthquake Actions in Australia in accordance with the relevant sections of AS1170.0, AS1170.1 and the NCC.

In the absence of an Australian seismic design standard for building services, this design has adopted the general principles detailed in the guide-note 'Seismic Restraint of Engineering Services (G172 V2.0)' by the Government of South Australia – Department of Planning and Infrastructure. Additional Reference has been made to NZS4219-2009 Seismic Performance of Engineering Systems in Buildings, and the ASHRAE publication 'Practical Guide to Seismic Restraint.

The mechanical services can be expected to withstand the required seismic design loads defined in AS1170.4, with a reasonable margin against:

- Structural collapse
- Failure of parts and elements that would be life threatening to people within or around the building
- Failure of parts or elements whose function is critical for the safe evacuation of people from the building.

The completed seismic provisions will not necessarily prevent structural or non-structural damage in the event of an earthquake, but provide the minimum criteria considered to be prudent for the protection of life by minimising the likelihood of injury to occupants (ref AS1170.4 Commentary).

LOCAL GOVERNMENT USE ONLY

Date received	Reference Number/s
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4. Reference documentation

Clearly identify any relevant documentation, e.g. numbered structural engineering plans.

KUSCH SEISMIC DRY FIRE DOCUMENT FOR BUILT CONSISTING OF THE FOLLOWING:

G-BUI-PFS-SDW-FIR-DF-ICG-L05-73001_A-S(2)
G-BUI-PFS-SDW-FIR-DF-ICG-L05-73002_A-S(2)
G-BUI-PFS-SDW-FIR-DF-ICG-L05-73003_B-S(2)
G-BUI-PFS-SDW-FIR-DF-ICG-L05-73004_A-S(2)
G-BUI-PFS-SDW-FIR-DF-ICG-L06-73001_A-S(1)
G-BUI-PFS-SDW-FIR-DF-ICG-L06-73002_A-S(1)
G-BUI-PFS-SDW-FIR-DF-ICG-L06-73003_A-S(1)
G-BUI-PFS-SDW-FIR-DF-ICG-L06-73004_A-S(1)

KUSCH SEISMIC WET FIRE DOCUMENT FOR BUILT CONSISTING OF THE FOLLOWING:

G-BUI-PFS-SDW-FIR-WF-ICG-L05-74001_A-S(2)
G-BUI-PFS-SDW-FIR-WF-ICG-L05-74002_A-S(2)
G-BUI-PFS-SDW-FIR-WF-ICG-L05-74004_A-S(1)
G-BUI-PFS-SDW-FIR-WF-ICG-L05-74003_A-S(1)
G-BUI-PFS-SDW-FIR-WF-ICG-L06-74001_A-S(1)
G-BUI-PFS-SDW-FIR-WF-ICG-L06-74002_S(1)
G-BUI-PFS-SDW-FIR-WF-ICG-L06-74003_B-S(2)
G-BUI-PFS-SDW-FIR-WF-ICG-L06-74004_A-S(1)

5. Building certifier reference number

Building certifier reference number

322497

6. Competent person details

A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, of the building work because of the individual's skill, experience and qualifications in the aspect. The competent person must also be registered or licensed under a law applying in the State to practice the aspect.

If no relevant law requires the individual to be licensed or registered to be able to give the help, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help.

If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.

Name (in full)

MARTIN KUSZ

Company name (if applicable)

KUSCH CONSULTING ENGINEERS

Contact person

MARTIN KUSZ

Phone no. (business hours) Mobile no.

0437 040 025

0437 040 025

Fax no.

Email address

martin@kuschgroup.com.au

Postal address

PO Box 128

MT BEAUTY, VICTORIA

Postcode 3699

Licence or registration number (if applicable)

RPEQ 13432

7. Signature of competent person

This certificate must be signed by the individual assessed by the building certifier as competent.

Signature



Date

08/10/2021



Form 16—Inspection Certificate/Aspect Certificate/QBCC Licensee Aspect Certificate

Version 5 – July 2017

NOTE: This form is to be used for the purposes of section 10(c) and 239 of the *Building Act 1975* and/or sections 32, 35B, 43, 44 and 47 of the *Building Regulation 2006*.

1. Indicate the type of certificate

The stages of assessable building work are listed in section 24 of the Building Regulation 2006 or as conditioned by the building certifier.

An aspect of building work is part of a stage (e.g. waterproofing).

☒ **Inspection Certificate** for

☐ Stage of building work (for single detached class 1a or class 10 building or structure)

(indicate the stage)

☒ Aspect of building work
SEISMIC RESTRAINT OF FIRE SERVICES

☐ **QBCC Licensee Aspect Certificate**

Scope of the work

Scope of the work covered by the licence class under the *Queensland Building and Construction Commission Regulation 2003* for the aspect being certified, e.g. scope of work for a waterproofing licence is "installing waterproofing materials or systems for preventing moisture penetration". An aspect being certified may include "wet area sealing to showers".

Installation of seismic bracing of fire services, in accordance with the seismic design loads specified in AS1170.4

2. Property description

The description must identify all land the subject of the application.

The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.

If the plan is not registered by title, provide previous lot and plan details.

Street address (include no., street, suburb/locality and postcode)

80 & 102 George Street, 75 & 75A William Street

QLD

Postcode 4350

Lot and plan details (attach list if necessary)

Lot 2 on B32444

Lot 3 on CP882348

Lot 101 on CP908556

Lot 204 on SP289461

In which local government area is the land situated?

Brisbane City Council

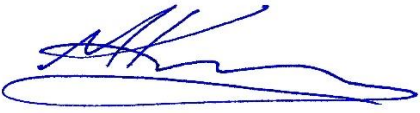
3. Building/structure description

Building/structure description

Class of building/structure

LOCAL GOVERNMENT USE ONLY

DATE RECEIVED	REFERENCE NUMBER/S
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4. Description of component/s certified Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof	Seismic restraint of Fire services by Premier Fire in Queens Wharf – Part C L05-L06 zone 2&3		
5. Basis of certification Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.	Site inspection by an experienced KUSCH Seismic Engineer has confirmed to my satisfaction that the above installation has achieved the general intent of the seismic design and advice provided. The installed services can be expected to withstand the required seismic design loads defined in AS1170.4, with a reasonable margin against: • Structural collapse • Failure of parts and elements that would be life threatening to people within or around the building • Failure of parts or elements whose function is critical for the safe evacuation of people from the building. The completed seismic provisions will not necessarily prevent structural or non-structural damage in the event of an earthquake, but provide the minimum criteria considered to be prudent for the protection of life by minimising the likelihood of injury to occupants (ref AS1170.4 Commentary).		
6. Reference documentation Clearly identify any relevant documentation, e.g. numbered structural engineering plans.	KUSCH SEISMIC WET FIRE DOCUMENT FOR BUILT CONSISTING OF THE FOLLOWING: G-BUI-PFS-SDW-FIR-WF-ICG-L05-74002_A-S(2) G-BUI-PFS-SDW-FIR-WF-IRD-L05-74003_A-S(1) G-BUI-PFS-SDW-FIR-WF-ICG-L06-74002-S(2) G-BUI-PFS-SDW-FIR-WF-ICG-L06-74003_B-S(3)		
7. Building certifier reference number and development approval number	Building certifier reference number 322497		Development approval
8. Building certifier, competent person or QBCC licensee details A competent person must be assessed as competent before carrying out the inspection. The builder for the work cannot give a stage certificate of inspection. A competent person is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, because of the individual's skill, experience and qualifications. The competent person must be registered or licensed under a law applying in the State to practice the aspect. If no relevant law requires the individual to be licensed or registered, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help.	Name (in full) MARTIN KUSZ Company name if applicable KUSCH CONSULTING ENGINEERS Contact person MARTIN KUSZ Phone no. (business hours) Mobile no. 0437 040 025 Fax no. N/A Email address martin@kuschgroup.com.au Postal address PO Box 128 MT BEAUTY, VICTORIA Postcode: 3699 Licence class RPEQ Licence number 13432 Date approval to inspect received from building certifier		
9. Signature of building certifier, competent person or QBCC licensee Note: A building certifier must sign this form for temporary swimming pool fencing under section 4 of Schedule 1 of QDC MP 3.4.	Signature 		Date 16/11/2021

SEISMIC DESIGN LOAD

BUILDING IMPORTANCE LEVEL: 3
BUILDING HEIGHT: ~250m
DESIGN BUILDING LEVEL: LEVEL 05
 $F_c (R_c=2.5) = 0.071W_c$
 $F_c (R_c=1.0) = 0.183W_c$

TYPICAL COMPONENTS

- ALL HANGING ROD ANCHORS TO BE HILTI HKD.
- ALL PIPES HUNG INDIVIDUALLY WITH NUTPLUGS.
- STANDARD INSTALLATION OF FIRE EXTINGUISHERS WITH SEISMIC ANCHORS AND <100mm STAND OFF FROM CONCRETE STRUCTURE DOES NOT REQUIRE ADDITIONAL SEISMIC BRACING. TYPICAL.
- USE SEISMIC RATED CONCRETE ANCHORS TO RISER SUPPORT FRAMING. TYPICAL.
- WHERE CABLE KITS ARE ANCHORED TO HOLLOW CORE, ANCHORS ARE TO BE M8x85 HILTI HUS3 INSTALLED WITHOUT CLASHING WITH REINFORCING STAND OR VOID. SCANNING REQUIRED. TYPICAL.
- REFER TO KUSCH BRACE INSTALLATION MANUAL.

ZIP CLIP		ZIPLIP SEISMIC RATED BRACE SCHEDULE - C1 ANCHORS Brace Angle MAX 45°		
Brace Symbol	ZIPLIP Cable Type	H18 HUS3 Slab Connection	H1T1 HST3 Slab Connection	Horizontal Load Capacity
	RED(2mm)	M8mmx5 HUS3-H	M10x90 HST3	100kg
	BLUE(3mm)	M10mmx90 HUS3-H	M10x90 HST3	269kg
	GREEN YELLOW(4mm)		M12x115 HST3	475kg

* USING M10x90 H1T1 HUS3-H FOR A BILITE DOES NOT REQUIRE A SEPARATE PURCHASE OF AN ANGLE BRACKET WITH A 13mm DIAMETER HOLE

P1 BRACE CAN BE REMOVE IF
CONCRETE HAS BEEN CORE
DRILLED WITH PIPEWORK
RUNNING THROUGH AND
PIPEWORK HAS BEEN FIXED
TO CONCRETE STRUCTURE
BY FLOODING CORE HOLE
WITH GROUT, TYP.

HATCHED AREA DENOTES
PART B WORKS

HATCHED AREA DENOTES
PART B WORKS

HATCHED AREA DEMONSTRATION PART B WORKS

WET FIRE PIPEWORK < 40mm ID
AND HUNG < 550 mm
INDIVIDUALLY, BY M10 ROD,
NUTCLIP AND HILTI HKD
ANCHOR, REQUIRES NO
ADDITIONAL SEISMIC RESTRAINT
WITH FIXED POINTS TO THE
CONCRETE SPACED < 3m, TYP

HATCHED AREA DENOTES
PART B WORKS

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L05-74002

Diagram illustrating the proposed intersection of George Street and Riverside Expressway. The intersection is shown with numbered callouts (1-6) indicating specific features or lanes. A north arrow indicates True North and Project North.

PIPE

- | | |
|---|-----------------------------|
| | SPRINKLER PIPE |
|  | MONITOR VALVE |
|  | SPRINKLER CONTROL VALVE |
|  | PIPE HEIGHT ABOVE RL |
|  | PIPE RISE/DROP |
|  | PIPE SIZE (INSIDE DIAMETER) |

HATCHING

- SPRINKLERS EXCLUDED FROM AREA
 SPRINKLERS SHOWN AT LOWER LEVEL
 SPRINKLERS SHOWN AT HIGHER LEVEL

LEVEL 05 HEAD COUNTS (PER FLOOR)

SPRINKLER HEAD TYPE		QTY
○	EXPOSED PENDANT SPRINKLER HEAD	90
⊗	EXPOSED UPRIGHT SPRINKLER HEAD	21
●	CONCEALED SPACE SPRINKLER HEAD	35
●	CONCEALED SPACE UPRIGHT SPRINKLER HEAD	18
◐	SEMI RECESSED SPRINKLER HEAD	-
⊙	FLUSH SPRINKLER HEAD	149
□	DUCT PROBE SPRINKLER HEAD	-

NOTES

SYSTEM DESIGNED IN ACCORDANCE WITH:

- NCC 2015, BCA VOLUME 1
- AS2118.1-2006
- AS2118.6-2012
- FER M-MPX-WSP-RPT-FEN-IRD-00004_1

ALTERNATIVE SOLUTIONS REFERENCED:

- ITEM 41 SECTION REF 5.24
- ITEM 42 SECTION REF 5.24

REFER TO SECTION 3.11 ITEM 90 OF THE FER (REV 11) FOR LIST OF SPRINKLER EXCLUDED AREAS

RETAIL FIRE EXTINGUISHER LOCATIONS ARE TBC - TO BE LOCATED BY RETAIL TENANT

SPRINKLER HEADS COORDINATED TO RCP:

- G-BUI-HAS-DRW-INT-ICG-L05-22101_1
- G-BUI-HAS-DRW-INT-ICG-L05-22102_1
- G-BUI-HAS-DRW-INT-ICG-L05-22103_1
- G-BUI-HAS-DRW-INT-ICG-L05-22104_1

A	100%-APPROVED FOR CONSTRUCTION	ND	JM	20.08.21
01	80%-IFC-FOR REVIEW	GS	TT	17.05.21
REV	DESCRIPTION	DWN	CHK	APP DATE

CLIENT



CONTRACTOR



SUBCONTRACTOR



PROJECT

QUEENS WHARF BRISBANE
Integrated Resort Development
Part C Fitout Levels 5 & 6

DRAWING TITLE

ICG - PART C

WET FIRE SERVICES

LEVEL 05

ZONE 1

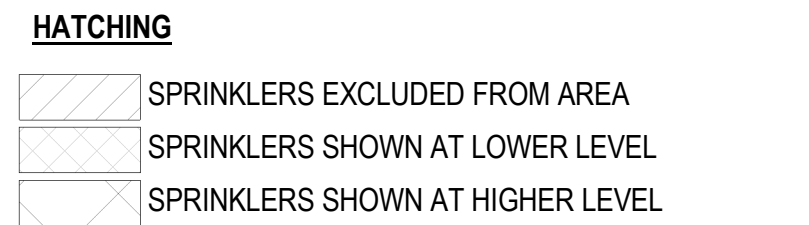
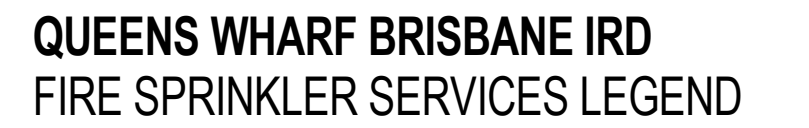
STATUS

FOR CONSTRUCTION

SCALE

DRAWING

G-BUI-PFS-SDW-FIR-WF-ICG-L05-74001



NOTES

SYSTEM DESIGNED IN ACCORDANCE WITH:

- NCC 2015, BCA VOLUME 1
- AS2118.1-2006
- AS2118.6-2012
- FER M-MPX-WSP-RPT-FEN-IRD-00004_11

ALTERNATIVE SOLUTIONS REFERENCED:

- ITEM 41 SECTION REF 5.24
- ITEM 42 SECTION REF 5.24

REFER TO SECTION 3.11 ITEM 90 OF THE FER (REV 11) FOR LIST OF SPRINKLER EXCLUDED AREAS

RETAIL FIRE EXTINGUISHER LOCATIONS ARE TBC - TO BE LOCATED BY RETAIL TENANT

- SPRINKLER HEADS COORDINATED TO RCP:
- G-BUI-HAS-DRW-INT-ICG-L05-22101_1
 - G-BUI-HAS-DRW-INT-ICG-L05-22102_1
 - G-BUI-HAS-DRW-INT-ICG-L05-22103_1
 - G-BUI-HAS-DRW-INT-ICG-L05-22104_1

[illegible]

A	100%-APPROVED FOR CONSTRUCTION	GS	JM	02.07.21
02	80%-ISSUED FOR CONSTRUCTION	GS	JM	16.06.21
01	80%-IFC-FOR REVIEW	GS	TT	07.06.21
REV	DESCRIPTION	DWN	CHK	APP DATE

CLIENT



CONTRACT OF



SUBCONTRACTOR



PROJECT
QUEENS WHARF BRISBANE
Integrated Resort Development
Part C Fitout Levels 5 & 6

DRAWING TITLE

ICG - PART C

WET FIRE SERVICES

LEVEL 05

ZONE 2

STATUS FOR CONSTRUCTION	PROJECT No. BC060
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SCALE



0 1 2 3 4 5(m)

SCALE BAR 1:100 @ 40

DRAWING NO.
G-BUI-PFS-SDW-FIR-WF-ICG-L05-74002

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L05-74004

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L05-74002

250 STEEL SPRINKLER DROP PIPES WITH FLEXIBLE COUPLING WITH 300mm OF HORIZONTAL CLEARANCE IS DEEMED TO SATISFY THE LIFE-SAFETY AND SERVICEABILITY PERFORMANCE REQUIREMENTS UNDER THE SEISMIC DESIGN LOADS SPECIFIED IN AS1170.4. NO ADDITIONAL SEISMIC BRACING IS REQUIRED, TYP.

WET FIRE PIPEWORK < 50mm ID AND HUNG < 500 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

WET FIRE PIPEWORK < 25mm ID AND HUNG < 700 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

WET FIRE PIPEWORK < 32mm ID AND HUNG < 600 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

WET FIRE PIPEWORK < 40mm ID AND HUNG < 550 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

WET FIRE PIPEWORK < 65mm ID AND HUNG < 550 mm INDIVIDUALLY, BY M12 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

P1 BRACE CAN BE REMOVE IF CONCRETE HAS BEEN CORE DRILLED WITH PIPEWORK RUNNING THROUGH AND PIPEWORK HAS BEEN FIXED TO CONCRETE STRUCTURE BY FLOODING CORE HOLE WITH GROUT, TYP.

KUSCH
SEISMIC DESIGN MARKUP

PROJECT: DOCUMENT: G-BUI-PFS-SDW-FIR-WF-ICG-L05-74003_A-S(1)
18-1504

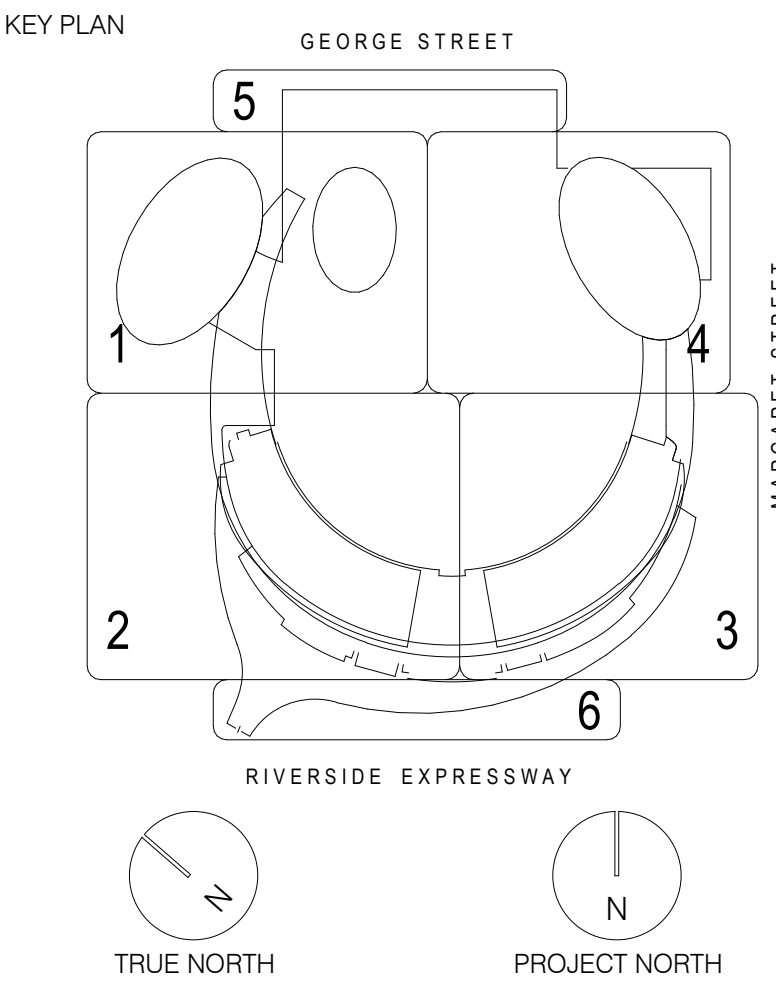
DESIGNED / DATE: 17 Aug 2021
CHECKED / DATE: 17 Aug 2021
APPROVED / DATE: 17 Aug 2021

SEISMIC DESIGN LOAD
BUILDING IMPORTANCE LEVEL: 3
BUILDING HEIGHT: ~ 250m
DESIGN BUILDING LEVEL: LEVEL 05
F_c (R_c=2.5) = 0.071W_c
F_c (R_c=1.0) = 0.183W_c

TYPICAL COMPONENTS
- ALL HANGING ROD ANCHORS TO BE HILTI HKD, WHERE INSTALLED INTO HOLLOW CORE, LOCATE AT CONCRETE RIBS TO ACHIEVE FULL EMBEDMENT WITHOUT CLASHING WITH REINFORCEMENT OR VOIDS.
- ALL PIPES HUNG INDIVIDUALLY WITH NUTCLIPS.
- WHERE CABLE KITS ARE ANCHORED TO HOLLOW CORE, ANCHORS ARE TO BE M8x85 HILTI HUSS INSTALLED WITHOUT CLASHING WITH PRESTRESSING STAND OR VOID- SCANNING REQUIRED, TYPICAL.

ZIP CLIP SEISMIC RATED BRACE SCHEDULE Brace Angle MAX 45°				
Brace Symbol	ZIPCLIP Cable Type	HILTI HUS3 Sub Connection	HILTI HST3 Sub Connection	Horizontal Load Capacity
	RED(3mm)	M8mmx85 HUS3-H	M10x90 HST3	1000kg
	BLUE(3mm)	M10mmx90 HUS3-H*	M10x90 HST3	2600kg
	GREEN YELLOW(4mm)	M12mmx115 HUS3-H*	M12x115 HST3	5000kg

*USING M10MM HILTI HUS3-H FOR A BLUE KIT REQUIRES A SEPARATE PURCHASE OF AN ANCHOR BRACKET WITH A 30mm QUANTUM TIE HOLE



QUEENS WHARF BRISBANE IRD FIRE SPRINKLER SERVICES LEGEND

PIPE	
	SPRINKLER PIPE
	MONITOR VALVE
	SPRINKLER CONTROL VALVE
	PIPE HEIGHT ABOVE RL
	PIPE RISE/DROP
	PIPE SIZE (INSIDE DIAMETER)

HATCHING	
	SPRINKLERS EXCLUDED FROM AREA
	SPRINKLERS SHOWN AT LOWER LEVEL
	SPRINKLERS SHOWN AT HIGHER LEVEL

LEVEL 05 HEAD COUNTS (PER FLOOR)

SPRINKLER HEAD TYPE	QTY
EXPOSED PENDANT SPRINKLER HEAD	90
EXPOSED UPRIGHT SPRINKLER HEAD	21
CONCEALED SPACE SPRINKLER HEAD	35
CONCEALED SPACE UPRIGHT SPRINKLER HEAD	18
SEMI RECESSED SPRINKLER HEAD	-
FLUSH SPRINKLER HEAD	149
DUCT PROBE SPRINKLER HEAD	-
HORIZONTAL SIDEWALL SPRINKLER HEAD	-

NOTES

SYSTEM DESIGNED IN ACCORDANCE WITH:
• NCC 2015, BCA VOLUME 1
• AS2118.1:2009
• AS2118.6:2012
• FER M-MPX-WSP-RPT-FEN-IRD-00004_11

ALTERNATIVE SOLUTIONS REFERENCED:
• ITEM 41 SECTION REF 5.24
• ITEM 42 SECTION REF 5.24

REFER TO SECTION 3.11 ITEM 90 OF THE FER (REV 11) FOR LIST OF SPRINKLER EXCLUDED AREAS

RETAIL FIRE EXTINGUISHER LOCATIONS ARE TBC - TO BE LOCATED BY RETAIL TENANT

SPRINKLER HEADS COORDINATED TO RCP:
• G-BUI-HAS-DW-INT-ICG-L05-22101_1
• G-BUI-HAS-DW-INT-ICG-L05-22102_1
• G-BUI-HAS-DW-INT-ICG-L05-22103_1
• G-BUI-HAS-DW-INT-ICG-L05-22104_1

REV	DESCRIPTION	DWN	CHK	APP	DATE
01	100% APPROVED FOR CONSTRUCTION	GS	JM		18.06.21
02	80% IFC FOR REVIEW	GS	JM		18.06.21
03	100% IFC FOR REVIEW	GS	JM		17.05.21

CLIENT	DESTINATION BRISBANE CONSORTIUM
CONTRACTOR	Built.
SUBCONTRACTOR	Premier Fire (07) 3552 0000

PROJECT
QUEENS WHARF BRISBANE
Integrated Resort Development
Part C Fitout Levels 5 & 6

DRAWING TITLE
ICG - PART C
WET FIRE SERVICES
LEVEL 05
ZONE 3

STATUS
FOR INFORMATION

PROJECT No.
BC060

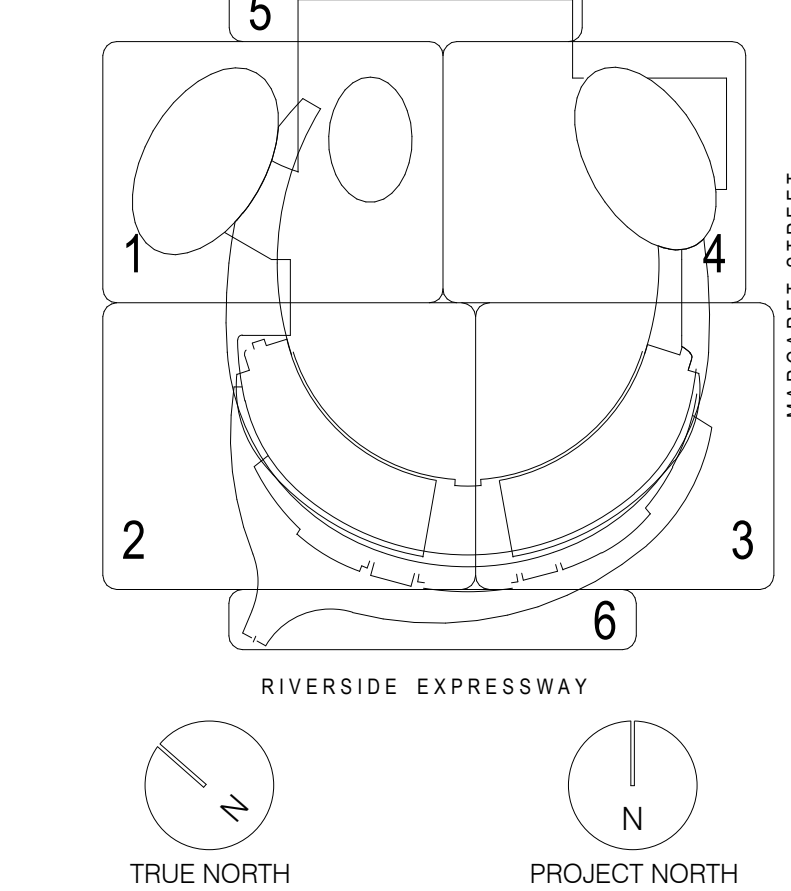
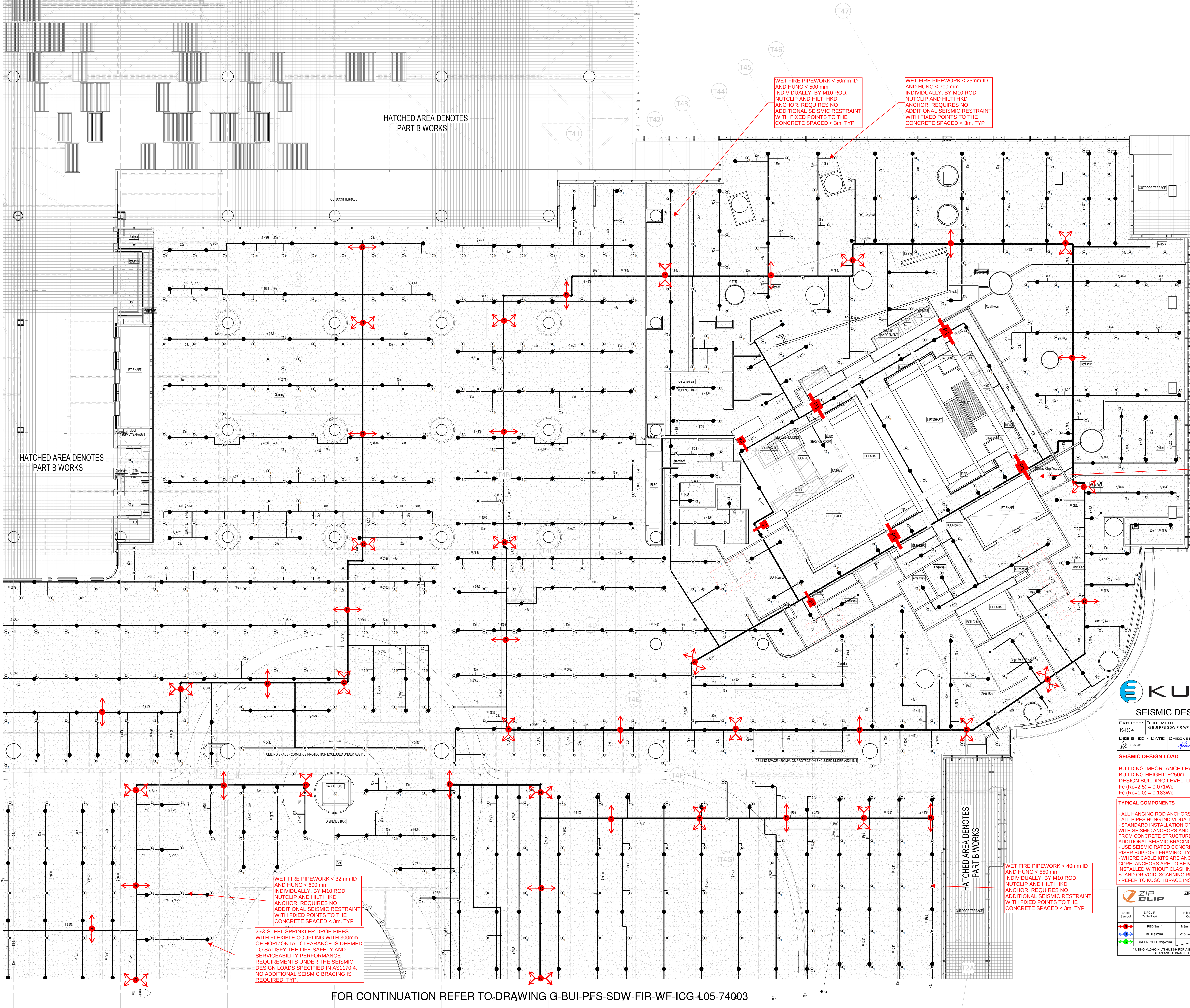
SCALE
SCALE BAR: 1:100 @ A0

REVISION
A

DRAWING NO.
G-BUI-PFS-SDW-FIR-WF-ICG-L05-74003

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L05-74001

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L05-74003



QUEENS WHARF BRISBANE IRD FIRE SPROKLER SERVICES LEGEND

- PIPE**
- SPRINKLER PIPE
 - MONITOR VALVE
 - SPRINKLER CONTROL VALVE
 - PIPE HEIGHT ABOVE RL
 - PIPE RISE/DROP
 - PIPE SIZE (INSIDE DIAMETER)

- HATCHING**
- SPRINKLERS EXCLUDED FROM AREA
 - SPRINKLERS SHOWN AT LOWER LEVEL
 - SPRINKLERS SHOWN AT HIGHER LEVEL

LEVEL 05 HEAD COUNTS (PER FLOOR)

SPRINKLER HEAD TYPE	QTY
EXPOSED PENDANT SPRINKLER HEAD	90
EXPOSED UPRIGHT SPRINKLER HEAD	21
CONCEALED SPACE SPRINKLER HEAD	35
CONCEALED SPACE UPRIGHT SPRINKLER HEAD	18
SEMI RECESSED SPRINKLER HEAD	-
FLUSH SPRINKLER HEAD	149
DUCT PROBE SPRINKLER HEAD	-

NOTES

- SYSTEM DESIGNED IN ACCORDANCE WITH:
- NCC 2015, BCA VOLUME 1
 - AS2118.1-2005
 - AS2118.6-2012
 - FER M-MPX-WSP-RPT-FEN-IRD-00004_11

- ALTERNATIVE SOLUTIONS REFERENCED:
- ITEM 41 SECTION REF 5.24
 - ITEM 42 SECTION REF 5.24

REFER TO SECTION 3.11 ITEM 90 OF THE FER (REV 11) FOR LIST OF SPRINKLER EXCLUDED AREAS

RETAIL FIRE EXTINGUISHER LOCATIONS ARE TBC - TO BE LOCATED BY RETAIL TENANT

SPRINKLER HEADS COORDINATED TO RCP:

- G-BUI-HAS-DRW-INT-ICG-L05-22101_1
- G-BUI-HAS-DRW-INT-ICG-L05-22102_1
- G-BUI-HAS-DRW-INT-ICG-L05-22103_1
- G-BUI-HAS-DRW-INT-ICG-L05-22104_1



SEISMIC DESIGN MARKUP

PROJECT: DOCUMENT:
19-150-4
G-BUI-PFS-SDW-FIR-WF-ICG-L05-74004_A-S(1)

DESIGNED / DATE: CHECKED / DATE: APPROVED / DATE:

SEISMIC DESIGN LOAD

BUILDING IMPORTANCE LEVEL: 3
BUILDING HEIGHT: ~250m
DESIGN BUILDING LEVEL: LEVEL 05
F_G (R_G=2.5) = 0.071W_C
F_G (R_G=1.0) = 0.183W_C

TYPICAL COMPONENTS

- ALL HANGING ROD ANCHORS TO BE HILTI HKD.
- ALL PIPES HUNG INDIVIDUALLY WITH NUTCLIPS.
- STANDARD INSTALLATION OF FIRE EXTINGUISHER WITH SEISMIC ANCHORS AND <100mm STANDOFF FROM CONCRETE STRUCTURE DOES NOT REQUIRE ADDITIONAL SEISMIC BRACING. TYPICAL.
- USE SEISMIC RATED CONCRETE ANCHORS TO RISER SUPPORT FRAMING, TYPICAL.
- WHERE CABLE KITS ARE ANCHORED TO HOLLOW CORE, ANCHORS ARE TO BE MB685 HILTI HUS3 INSTALLED WITHOUT CLASHING WITH REINFORCING STAND OR VOID. SCANNING REQUIRED, TYPICAL.
- REFER TO KUSCH BRACE INSTALLATION MANUAL.

ZIPCLIP SEISMIC RATED BRACE SCHEDULE - C1 ANCHORS Brace Angle: MAX 45°				
Brace Symbol	ZIPCLIP Cable Type	HILTI HUS3 Size Connection	HILTI HUS3 Size Connection	Horizontal Load Capacity
RED(2mm)	RED(2mm)	M8mmx65 HUS3-H	M10x60 HST3	100kg
BLUE(3mm)	BLUE(3mm)	M10mmx90 HUS3-H	M10x60 HST3	260kg
GREEN (YELLOW/4mm)	GREEN (YELLOW/4mm)	M12x115 HST3	M12x115 HST3	475kg

* USING M10x60 HILTI HUS3-H FOR A BLUE KIT REQUIRES A SEPARATE PURCHASE OF AN ANGLE BRACKET WITH A 13mm DIAMETER HOLE

REV	DESCRIPTION	DATE
A	100% APPROVED FOR CONSTRUCTION	30.08.21
01	100% FOR REVIEW	17.05.21
REV	DESCRIPTION	DATE



CONTRACTOR



SUBCONTRACTOR



PROJECT

QUEENS WHARF BRISBANE
Integrated Resort Development
Part C Fitout Levels 5 & 6

DRAWING TITLE

ICG - PART C

WET FIRE SERVICES
LEVEL 05
ZONE 4

STATUS

FOR CONSTRUCTION

PROJECT No.

BC060

SCALE

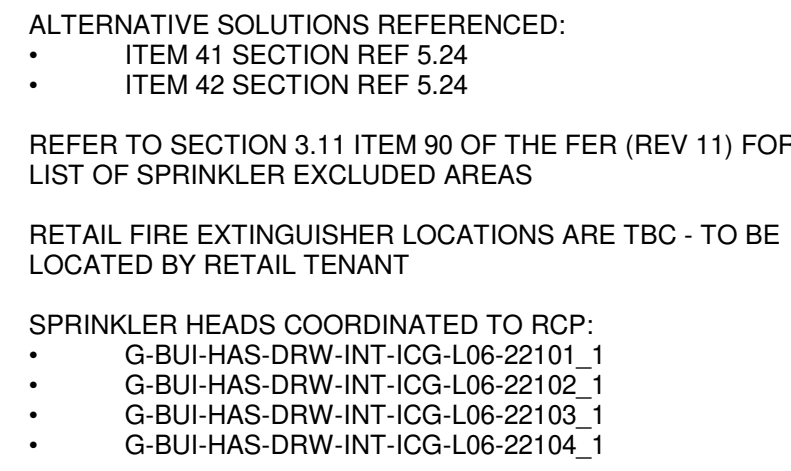
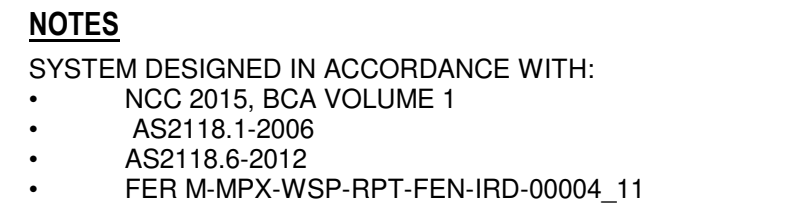
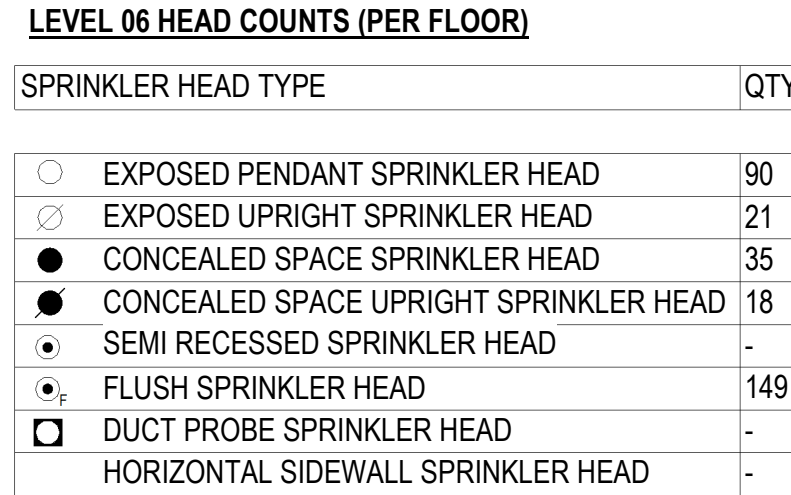
SCALE BAR 1:100 @ A0

REVISION

A

DRAWING NO.

G-BUI-PFS-SDW-FIR-WF-ICG-L05-74004

[illegible]

A	100% APPROVED FOR CONSTRUCTION	GS	JM	18.08.21	
01	80% IFC FOR REVIEW	AB	JM	16.06.21	
REV	DESCRIPTION	DWN	CHK	APP	DATE

CLIENT



CONTRACTOR



SUBCONTRACTOR



PROJECT
QUEENS WHARF BRISBANE
Integrated Resort Development
Part C Fitout Levels 5 & 6

DRAWING TITLE

ICG - PART C

WET FIRE SERVICES LAYOUT

LEVEL 06

ZONE 01

STATUS FOR CONSTRUCTION		PROJECT No. BC060
SCALE  0 1 2 3 4 5[m] SCALE BAR 1:100 @ A0		REVISION A

DRAWING NO.
G-BUI-PFS-SDW-FIR-WF-ICG-L06-74001



SEISMIC DESIGN MARKUP

PROJECT: 19-1504 DOCUMENT: G-BUI-PFS-SDW-FIR-WF-ICG-L06-74002-S(1)
DESIGNED / DATE: 17 Aug 2021 CHECKED / DATE: APPROVED / DATE: 17 Aug 2021

SEISMIC DESIGN LOAD

BUILDING IMPORTANCE LEVEL: 3
BUILDING HEIGHT: ~250m
DESIGN BUILDING LEVEL: LEVEL 06
 $F_c (R_c=2.5) = 0.076W_c$
 $F_c (R_c=1.0) = 0.190W_c$

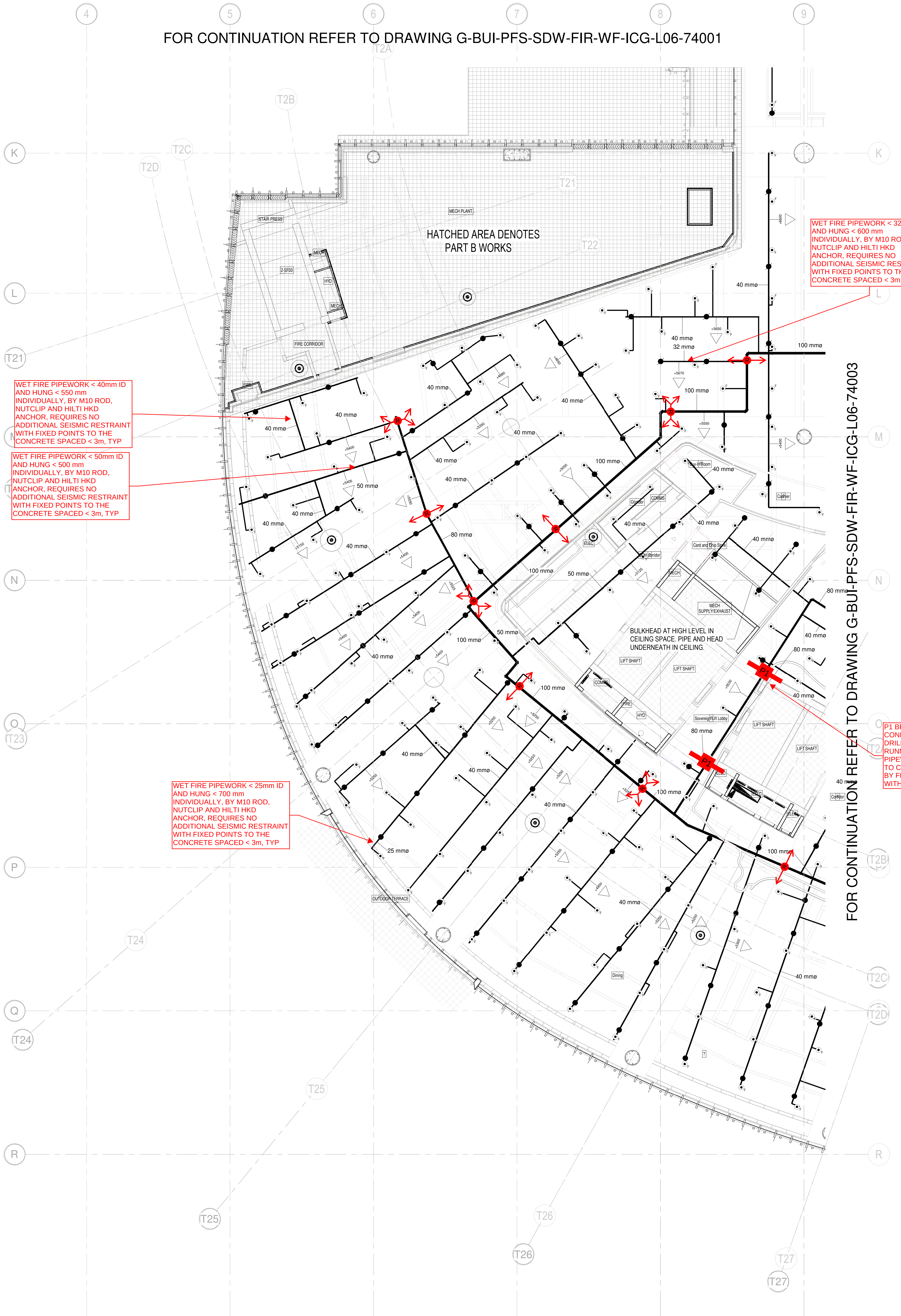
TYPICAL COMPONENTS

- ALL HANGING ROD ANCHORS TO BE HILTI HKD, WHERE INSTALLED INTO HOLLOW CORE, LOCATE AT CONCRETE RIBS TO ACHIEVE FULL EMBEDMENT WITHOUT CLASHING WITH REINFORCEMENT OR VOIDS
- ALL PIPES HUNG INDIVIDUALLY WITH NUTCLIPS
- WHERE CABLE KITS ARE ANCHORED TO HOLLOW CORE ANCHORS ARE TO BE M8x65 HILTI HUS3H INSTALLED WITHOUT CLASHING WITH PRESTRESSING STAND OR VOID, SCANNING REQUIRED, TYPICAL
- REFER TO KUSCH BRACE GUIDE FOR TYPICAL INSTALLATION ADVICE.

ZIPCLIP SEISMIC RATED BRACE SCHEDULE				
Brace Angle MAX 45°				
Brace Symbol	ZIPCLIP Cable Type	M8x65 HUS3H Connection	M10x80 HST3 Connection	Horizontal Load Capacity
	RED(2mm)	M8mmx65 HUS3H	M10x80 HST3	100kg
	BLUE(3mm)	M10mmx80 HUS3H*	M10x80 HST3	200kg
	GREEN (YELLOW 4mm)	M12x115 HST3	M12x115 HST3	300kg

* USING M10x80 HILTI HUS3H FOR A BLUE KIT REQUIRES A SEPARATE PURCHASE OF AN ANGLE BRACKET WITH A 13mm DIAMETER HOLE

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L06-74001



WET FIRE PIPEWORK < 40mm ID AND HUNG < 550 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

WET FIRE PIPEWORK < 50mm ID AND HUNG < 500 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

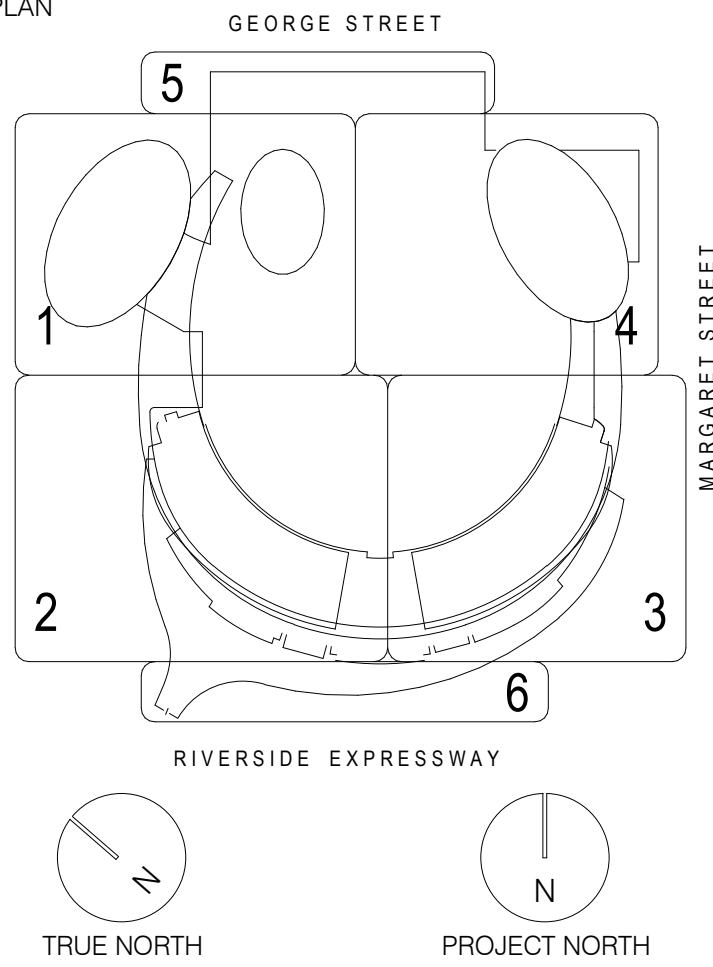
WET FIRE PIPEWORK < 25mm ID AND HUNG < 700 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

WET FIRE PIPEWORK < 32mm ID AND HUNG < 600 mm INDIVIDUALLY, BY M10 ROD, NUTCLIP AND HILTI HKD ANCHOR, REQUIRES NO ADDITIONAL SEISMIC RESTRAINT WITH FIXED POINTS TO THE CONCRETE SPACED < 3m, TYP

P1 BRACE CAN BE REMOVE IF CONCRETE HAS BEEN CORE DRILLED WITH PIPEWORK RUNNING THROUGH AND PIPEWORK HAS BEEN FIXED TO CONCRETE STRUCTURE BY FLOODING CORE HOLE WITH GROUT, TYP.

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L06-74003

KEY PLAN



QUEENS WHARF BRISBANE IRD FIRE SPRINKLER SERVICES LEGEND

PIPE

- SPRINKLER PIPE
- MONITOR VALVE
- SPRINKLER CONTROL VALVE
- PIPE HEIGHT ABOVE RL
- PIPE RISE/DROP
- PIPE SIZE (INSIDE DIAMETER)

HATCHING

- SPRINKLERS EXCLUDED FROM AREA
- SPRINKLERS SHOWN AT LOWER LEVEL
- SPRINKLERS SHOWN AT HIGHER LEVEL

LEVEL 06 HEAD COUNTS (PER FLOOR)

SPRINKLER HEAD TYPE	QTY
EXPOSED PENDANT SPRINKLER HEAD	90
EXPOSED UPRIGHT SPRINKLER HEAD	21
CONCEALED SPACE SPRINKLER HEAD	35
CONCEALED SPACE UPRIGHT SPRINKLER HEAD	18
SEMI RECESSED SPRINKLER HEAD	-
FLUSH SPRINKLER HEAD	149
DUCT PROBE SPRINKLER HEAD	-
HORIZONTAL SIDEWALL SPRINKLER HEAD	-

LEVEL 06 FIRE EXTINGUISHER COUNTS (PER FLOOR)

Fire Extinguisher	Count
ABC	1
ABC	1

NOTES

- SYSTEM DESIGNED IN ACCORDANCE WITH:
- NCC 2015, BCA VOLUME 1
 - AS2118.1:2006
 - AS2118.6:2012
 - FER M-MPX-WSP-RPT-FEN-IRD-00004_11

ALTERNATIVE SOLUTIONS REFERENCED:

- ITEM 41 SECTION REF 5.24
- ITEM 42 SECTION REF 5.24

REFER TO SECTION 3.1.1 ITEM 90 OF THE FER (REV 11) FOR LIST OF SPRINKLER EXCLUDED AREAS

RETAIL FIRE EXTINGUISHER LOCATIONS ARE TBC - TO BE LOCATED BY RETAIL TENANT

SPRINKLER HEADS COORDINATED TO RCP:

- G-BUI-HAS-DRW-INT-ICG-L06-22101_1
- G-BUI-HAS-DRW-INT-ICG-L06-22102_1
- G-BUI-HAS-DRW-INT-ICG-L06-22103_1
- G-BUI-HAS-DRW-INT-ICG-L06-22104_1

A	100%-APPROVED FOR CONSTRUCTION	GS	JM	23.06.21	
02	80%-ISSUED FOR CONSTRUCTION	GS	JM	08.06.21	
01	80%-IFC-FOR REVIEW	GS	TT	17.05.21	
REV	DESCRIPTION	DWN	CHK	APP	DATE

CLIENT



CONTRACTOR



SUBCONTRACTOR



PROJECT

QUEENS WHARF BRISBANE
Integrated Resort Development
Part C Fitout Levels 5 & 6

DRAWING TITLE

ICG - PART C
WET FIRE SERVICES LAYOUT
LEVEL 06
ZONE 02

STATUS

FOR INFORMATION

PROJECT No.

BC060

SCALE

0 1 2 3 4 (m)
SCALE BAR 1:100 @ A0

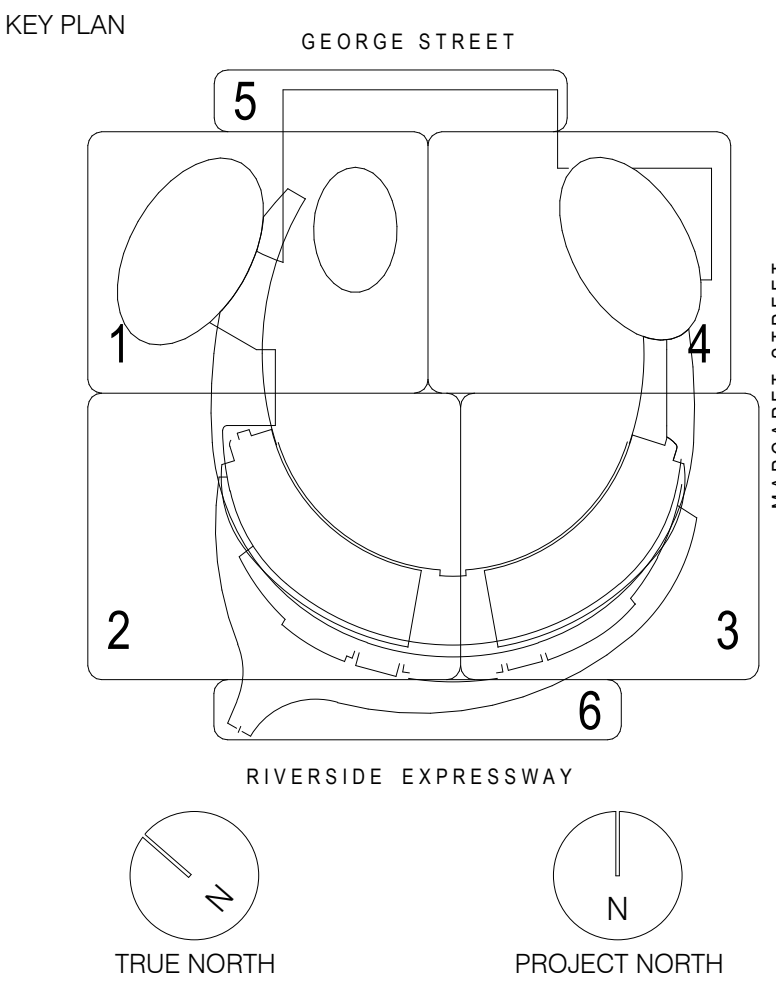
REVISION

A

DRAWING NO.

G-BUI-PFS-SDW-FIR-WF-ICG-L06-74002

FOR CONTINUATION REFER TO DRAWING G-BUI-PFS-SDW-FIR-WF-ICG-L05-74004



QUEENS WHARF BRISBANE IRD FIRE SPRINKLER SERVICES LEGEND

- PIPE**
- SPRINKLER PIPE
 - MONITOR VALVE
 - SPRINKLER CONTROL VALVE
 - PIPE HEIGHT ABOVE RL
 - PIPE RISE/DROP
 - PIPE SIZE (INSIDE DIAMETER)

- HATCHING**
- SPRINKLERS EXCLUDED FROM AREA
 - SPRINKLERS SHOWN AT LOWER LEVEL
 - SPRINKLERS SHOWN AT HIGHER LEVEL

LEVEL 06 HEAD COUNTS (PER FLOOR)

SPRINKLER HEAD TYPE	QTY
EXPOSED PENDANT SPRINKLER HEAD	90
EXPOSED UPRIGHT SPRINKLER HEAD	21
CONCEALED SPACE SPRINKLER HEAD	35
CONCEALED SPACE UPRIGHT SPRINKLER HEAD	18
SEMI RECESSED SPRINKLER HEAD	-
FLUSH SPRINKLER HEAD	149
DUCT PROBE SPRINKLER HEAD	-
HORIZONTAL SIDEWALL SPRINKLER HEAD	-

LEVEL 06 FIRE EXTINGUISHER COUNTS (PER FLOOR)

	1. 300
	2. 300



Form 15—Compliance certificate for building design or specification

Version 4 – July 2017

Aconex document number
M-MPX-

NOTE: This is to be used for the purposes of section 10 of the *Building Act 1975* and/or section 46 of the *Building Regulation 2006*.

RESTRICTION: A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the Queensland Development Code (QDC). A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.

1. Property description

This section need only be completed if details of street address and property description are applicable.

E.g. in the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.

The description must identify all land the subject of the application.

The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.

If the plan is not registered by title, provide previous lot and plan details.

Street address (include no., street, suburb/locality and postcode)

80 & 102 George Street; 75 & 75A William Street;

Brisbane QLD

Postcode 4000

Lot and plan details (attach list if necessary)

Lot 2 on B32444;

Lot 3 on CP882348;

Lot 101 on CP905886;

Lot 204 on SP289461;

In which local government area is the land situated?

Brisbane City Council

2. Description of component/s certified

Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.

Fire detection, warning, control and intercom systems

Tower 4 Level 7 to Level 65

3. Basis of certification

Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.

BCA Specification E2.2a

NCC 2015

AS1670.4 – 2004

AS1668.1 - 1998

FER - M-MPX-WSP-RPT-FEN-IRD-00004 Revision 10

4. Reference documentation

Clearly identify any relevant documentation, e.g. numbered structural engineering plans.

Premier Fire drawing register

LOCAL GOVERNMENT USE ONLY

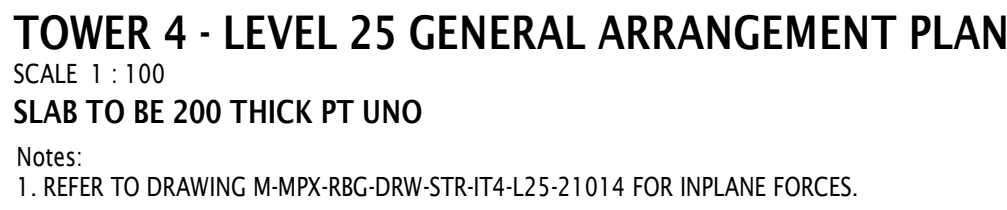
Date received

Reference Number/s

5. Building certifier reference number	Building certifier reference number 322497	
6. Competent person details A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, of the building work because of the individual's skill, experience and qualifications in the aspect. The competent person must also be registered or licensed under a law applying in the State to practice the aspect. If no relevant law requires the individual to be licensed or registered to be able to give the help, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help. If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.	Name (in full) Richard Stalley Company name (if applicable) Premier Fire Pty Ltd Contact person Phone no. (business hours) 07 3552 0000 Mobile no. 0413 944 153 Fax no. Email address richard@premfire.com.au Postal address PO Box 7013 Garbutt Postcode 4049 Licence or registration number (if applicable) 1268737	
7. Signature of competent person This certificate must be signed by the individual assessed by the building certifier as competent.	Signature DRAFT ONLY Date 23.06.2020	

The *Building Act 1975* is administered by the Department of Housing and Public Works

DOCUMENT NUMBER	DRAWING DESCRIPTION	DRAWING STATUS	REVISION NUMBER
	DRY FIRE		
R-MPX-PFS-SDW-FIR-DF-IT4-L07-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 07 - REC DECK	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L07M-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 07M - REC DECK	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L08-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 08-18 TYPICAL	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L19-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 19-23 TYPICAL	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L24-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 24 & 25	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L26-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 26 - SKY PARK	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L27-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 27-31 & 39-44 TYPICAL	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L32-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 32-38 TYPICAL	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L37-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 37	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L45-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 45	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L46-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 46	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L47-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 47-53	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L54-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 54-64	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-L65-73000	TOWER 4 - DRY FIRE SERVICES LAYOUT - LEVEL 65	FOR APPROVAL	2
R-MPX-PFS-SDW-FIR-DF-IT4-82000	TOWER 4 - DRY FIRE SERVICES - DETECTION SCHEMATIC	FOR INFORMATION	2
R-MPX-PFS-SDW-FIR-DF-IT4-82001	TOWER 4 - DRY FIRE SERVICES - EWIS SCHEMATIC	FOR INFORMATION	2



- NOTE:**
- ALL CAST-IN SERVICES ARE TO ACCOMMODATE THE POST TENSIONING TENDON LAYOUTS.
 - FACADE CONNECTION LOCATIONS AND DETAILS SUBJECT TO CONFIRMATION FROM FACADE CONSULTANT.
 - REFER CONTRACTOR FOR INFORMATION RELATING TO THE TEMPORARY LOADS ACTING ON FLOORS.

LEGEND:
DENOTES THREADED INSERT BARS TO BE 2000 LONG.
* DENOTES INDICATIVE CONNECTIONS TO THE WALL UNO. REFER TO RBG 28000 SERIES DRAWINGS FOR LANDING DETAILS.
CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR SETOUTS.

- PUDDLE POUR LEGEND:**
- | | |
|---|--|
|  | INDICATES EXTENT OF 50MPa PUDDLE POUR |
|  | INDICATES EXTENT OF 65MPa PUDDLE POUR |
|  | INDICATES EXTENT OF 80MPa PUDDLE POUR |
|  | INDICATES EXTENT OF 100MPa PUDDLE POUR |

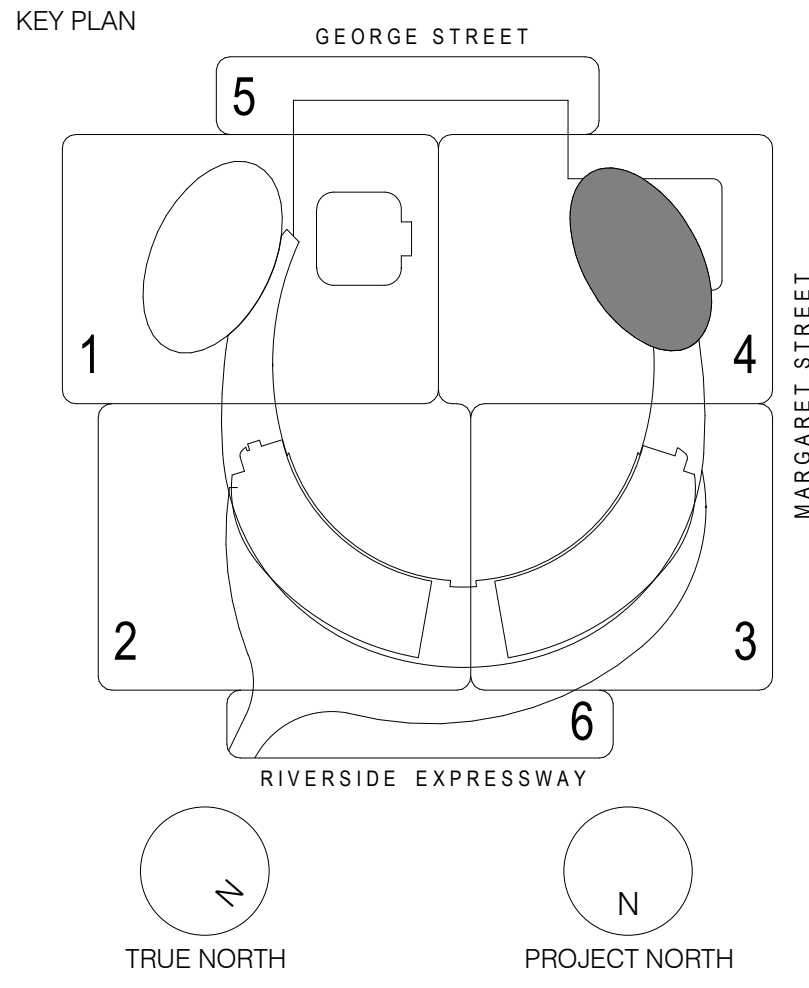
- NOTE:**
1. CONCRETE PUDDLE POUR MIXES TO REACH THE MINIMUM STRENGTH REQUIREMENTS AT INITIAL AND FINAL STRESSING STAGES
 2. REFER JUMP FORM CONTRACTOR FOR SLAB POUR SEQUENCE AND CONSTRUCTION JOINT LOCATION

PRINT DRAWING IN COLOUR				
B	REVISED AS CLOUDED	SE	DK	14.01.22
A	ISSUED FOR CONSTRUCTION	SE	DK	30.08.21
7	FINAL DOCUMENTATION	SE	DK	03.02.21
6	ISSUED FOR INFORMATION	SE	DK	26.08.20
5	ISSUED FOR INFORMATION	SE	DK	26.06.20
4	FOR STRUCTURAL BUILDING APPROVAL	SE	DK	22.05.20
3	ISSUED FOR INFORMATION	SE	DK	06.05.20
2	ISSUED FOR INFORMATION	SE	SC	09.08.19
1	ISSUED FOR INFORMATION - JUMPFORM PROCUREMENT	SE	SC	03.06.19
REV	DESCRIPTION	BY	APP	DATE

DRAWING NO.
R-MPX-RBG-DRW-STR-IT4-L25-20004



1 ICG - LEVEL 07
1 : 100



- LEGEND:**
- [S] SMOKE DETECTOR
 - [K] RECESSED SPEAKER
 - [S] SURFACE MOUNT SPEAKER
 - [P] WIP PHONE
 - [SCV] SPRINKLER CONTROL VALVE
 - [A] 4.5kg ABE FIRE EXTINGUISHER
 - [M] MANUAL CALL POINT

GENERAL NOTES:
WHERE SPRINKLER PROTECTION IS NOT PROVIDED WITHIN THE ELECTRICAL/COMMS CUPBOARDS SMOKE DETECTORS MUST BE PROVIDED PER FER (3.12.102).
SMOKE DETECTORS MUST BE INSTALLED IN ALL CUPBOARDS EXCEPT THOSE CONTAINING ONLY WATER METERS, WATER SERVICES OR FIRE SERVICES AS PER FER (3.12.104)

2	FOR BA APPROVAL	ND	TT	PF	08.06.2020
1	FOR BA APPROVAL	ND	TT	PF	20.05.2020
REV DESCRIPTION		DRW	CHK	APP	DATE

CLIENT
db DESTINATION BRISBANE CONSORTIUM

CONTRACTOR
MULTIPLEX

SUB CONSULTANT
P F PREMIER FIRE
Unit 11, 62 Bishop St, Kelvin Grove QLD 4059
TEL: +61 7 3855 0000
www.premierservicegroup.com.au

PROJECT
QUEENS WHARF BRISBANE
Residences

DRAWING TITLE
TOWER 4
DRY FIRE SERVICES LAYOUT
LEVEL 07 - REC DECK

STATUS	PHASE	PROJECT NO.
FOR APPROVAL	DD	BC052

SCALE	REVISION
1 : 100	2

DRAWING NO.
R-MPX-PFS-SDW-FIR-DF -IT4-L07-73000