17 Dec 2019

Building Division

INVERCARGILL CENTRAL 33 ESK STREET

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H-1102	SANITARY LAYOUT GROUND FLOOR PART 2	D
H-1103	SANITARY LAYOUT LEVEL 1 PART 1	С
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H-1105	SANITARY LAYOUT LEVEL 2 PART 1	D
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H-1303	STORMWATER LAYOUT LEVEL 1 PART 1	В
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H-1401	SANITARY SCHEMATIC	В



HYDRAULICS SERVICES ZONE 1 UPDATED CONSENT ISSUE

AMENDMENT	DATE
CONSENT ISSUE CONSENT ISSUE	11.10.19 11.10.19
CONSENT ISSUE CONSENT ISSUE CONSENT ISSUE	11.10.19 11.10.19 11.10.19 11.10.19 11.10.19 11.10.19 11.10.19
UPDATED CONSENT ISSUE CONSENT ISSUE UPDATED CONSENT ISSUE CONSENT ISSUE	11.10.19
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BUILDING CONSENT NUMBER

2019/1381





Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com

17 Dec 2019

Building Division

LAMP HOLE CLEANING EYE

RODDING EYE

SUMF

PIPEWORK SYMBOLS

Invercargill City
Council
Building Consent
Authority
Approved Site Copy

PIPEWORK SYSTEM ABBEVIATIONS

<u>PIPEWORK SYMBOLS</u>		<u>PIPEWORK SYSTEM ABBEVIATIONS</u>	
	EXISTING PIPEWORK	FVMS	— STACK REFERENCE
	PIPE RUNS BELOW FLOOR / GROUND	#1	- STACK NUMBER
	PIPE RUNS IN CEILING SPACE		
	PIPE RUNS NEAR FLOOR OR UNDER BENCH		- VENT REFERENCE
	PIPE RUNS AT HIGH LEVEL	#1	VENT NUMBER
	INDICATES COPPER PIPEWORK	CA	Compressed Air
	DIRECTION OF FLOW	COND	CONDENSATE
.A. @	PIPE TO LEVEL ABOVE	CW	COLD WATER
.B. @	PIPE TO LEVEL BELOW	NPCW	NON-POTABLE COLD WATER
.A.:=	PIPE FROM LEVEL ABOVE	HPCW	HIGH PRESSURE COLD WATER
.B	PIPE FROM LEVEL BELOW	LPCW	LOW PRESSURE COLD WATER
	PIPE RISES TO HIGH LEVEL	EWS	EMERGENCY WATER SUPPLY
	PIPE DROPS TO LOW LEVEL	FVMS	FULLY VENTED MODIFIED STACK
SU -	PIPE SETS UP	FVS	FULLY VENTED STACK
SD -	PIPE SETS DOWN	LPG	LIQUEFIED PETROLEUM GAS
J	PIPE TEES UP	LPG-H	HIGH PRESSURE - LPG
ŕ	PIPE TEES DOWN	LPG-L	LOW PRESSURE - LPG
œ 	Domestic water outlet	NG	NATURAL GAS
		FW	FLUSHING WATER
		FWD	FOUL WASTE DRAIN
DRAULIC	SYMBOLS	FWD-G	FOUL WASTE DRAIN - GREASE
		HW	HOT WATER
读TRV	TEMPERATURE RELIEF VALVE	1177	HOT WATER FLOW (##°C) -
¢PRV	PRESSURE RELIEF VALVE	HW-f(##°C)	DESIGN TEMPERATURE
	ISOLATING VALVE	HW-r	STATED HOT WATER RETURN
NC	ISOLATING VALVE	NPHW	NON-POTABLE HOT WATER
IR	ISOLATING / REGULATING VALVE	NPHW-f	NON-POTABLE HOT WATER
ÇY	CHECK VALVE	NPHW-r	NON-POTABLE HOT WATER FLOW
	NON RETURN VALVE	SST	SINGLE STACK MODIFIED
	2 PORT MOTORIZED VALVE	SWD	STORM WATER DRAIN
	3 PORT MOTORIZED VALVE	STEAM	STEAM LINE
©		TW	TANK WATER
		V	VENT PIPE, STACK (COMIBNED)
		v	VENT, RELIEF VENT, GROUP VENT &
STR			FIXTURE VENT
PS RV	PRESSURE SWITCH	HYDRAULIC	CABBREVIATIONS
BFP	BACKFLOW PREVENTION	AFFL	
RPZ	REDUCED PRESSURE ZONE TYPE BACKFLOW PREVENTION	AP	
10001		В	BATH
		BFP	BACKFLOW PREVENTION UNIT
S X		BD	BIDET
	SOLENOID VALVE AUTOMATIC AIR VENT	CM	
Ū		CS	
P		CU	COPPER
- lu		DF	
		DN	
	FLANGE	DW	DISHWASHER
TP	TEST POINT	EW	EYE WASH
L□DP	DRAIN POINT	FU	
P^{AAV}	AUTOMATIC AIR VALVE	FC	FIRE COLLAR
 XDHU	DRAIN WITH HOSE UNION CONNECTION	FWG	FLOOR WASTE GULLY TRAP
		FWIC	FOUL WATER INSPECTION CHAMBER
SWIC		FWMH	FOUL WATER MAN HOLE
	STORM WATER INSPECTION CHAMBER	HL	HIGH LEVEL
SWMH		HT	HOSE TAP
	storm water man hole	HWB	HOT WATER BOILER
FWIC		HWC	HOT WATER CYLINDER
	FOUL WATER INSPECTION CHAMBER	IL	INVERT LEVEL
FWMH		LL	LOW LEVEL
	FOUL WATER MAN HOLE	DN	DIAMETER NOMINAL
FW		Р	PUMP
-	FLOOR WASTE	RL	RELATIVE LEVEL
EMO		S	SINK
	FLOOR WASTE GULLY TRAP	SEJ	swivel and expansion joint
		SHR	SHOWER
	OVERFLOW RELIEF GULLY TRAP	SWIC	STORM WATER INSPECTION CHAMBER
		SWMH	storm water man hole
IJ	INSPECTION JUNCTION	TD	TUNDISH
		TS	TEA SINK
IB	INSPECTION BEND	TP	TRAP PRIMER
——————————————————————————————————————		TH	TRACE HEATED
_		TUB	LAUNDRY TUB
SEJ	swivel and expansion joint	100	
SEJ	SWIVEL AND EXPANSION JOINT	IIR	URINAL
SEJ		UR	URINAL WATER CLOSET PAN
—	GULLY TRAP	WC	WATER CLOSET PAN
SEJ			

HYDRAULICS PIPEWORK TABLES

MINIMUM GRADES OF FOUL W	ATER DRAINS
SIZE OF GRADED SECTION OF WASTE / DRAIN PIPE - DN	M
40	
50	
65	
80	
100	
125	
150	
225	
300	

MINIMUM GRADES OF STORM/ SURFACE WATER PIPES		
SIZE OF GRADED SECTION DRAIN PIPE - DN	MINIMUM GRADE	
85	1:90	
100	1:120	
150	1:200	
225	1:350	
* GRADES TAKEN FROM NZBC E 1/AS	3.4.1. TABLE 2 (AMEND 1 - SEPT 1993)	

* GRADES TAKEN FROM AS/NZS 3500.2:2003, TABLE 3.2 AND TABLE 6.3

<u>SDR-7.4</u>			
O/D	I/D		
16.0mm	11.6mm		
20.0mm	16.2mm		
25.0mm	20.4mm		
32.0mm	26.2mm		
40.0mm	32.6mm		
50.0mm	40.8mm		
63.0 mm	51.4mm		
75.0mm	61.4mm		
90.0mm	73.6mm		
110.0mm	90.0mm		
* GRADES TAKEN FROM AS/NZS 3500.2:2003, TABLE 3.2 AND TABLE 6.3			

DOMESTIC WATER NOTES

1.	REFER TO THE SPECIFICATION FO
2.	ALLOW TO INSTALL 300x300 ACC LOCATED WITHIN CEILING.
3.	SERVICES PENETRATING FIRE RAT WITH AN APPROPRIATE TESTED SC ACCORDANCE WITH THE MANUI
4.	THE PLUMBING CONTRACTOR SH TO COMPY WITH SEISMIC PERFO
5.	THE PLUMBING CONTRACTOR IS THE LOCATIONS OF CEILING ACC ARE COORDINATED WITH THE AR
6.	URINAL STALLS ARE TO BE PROVIE SYSTEM (REFER TO SPECIFICATION
7.	ALL PIPEWORK SIZES SHOWN ARE
8.	UNLESS OTHERWISE NOTED ALL C MINIMUM AS FOLLOWS: DW Ø25 SINK Ø25 SHR Ø20 WM Ø25 WC Ø20 WHB Ø20
• • • • •	

SANITARY & STORM WATER NOTES

١.	REFER TO THE SPECIFICATION FO
2.	ALL BELOW FLOOR/SLAB FOUL W

- A MINIMUM SIZE OF Ø65.
- 3. 4.
- ALL IN-GROUND RODDING EYES ARE TO BE ALL PROOF BRONZE CLEANOUTS, C/W O-RING-SEALS.
- 5. WITH REGARD TO THE PROVISION OF TRAPPED TUNDISHES FOR THE COLLECTION OF AC CONDENSATE.
- THE SANITARY SERVICES CONTRACTOR SHALL INSTALL FIRE COLLARS ON ALL PIPEWORK THAT PASS THROUGH FLOOR SLABS AND FIRE RATED WALL 6 (REFER TO FIRE REPORT).
- RING JOINTS TO ACCOMMODATE SEISMIC MOVEMENTS.

7.

- 8. WITH REGARDS TO THE SEWER INVERT LEVELS. LEVELS SHOWN ON
- 9. CONNECTIONS TO THE BUILDING.
- WHERE POSSIBLE ALL DROPPING DRAINAGE STACKS ARE TO 10.
- 11. ENSURE 2x45° BENDS ARE PROVIDED AT THE BASE OF EACH DRAINAGE

stack.

 \bigvee

CEILING ACCESS PANEL (450x450 MIN) REMOVABLE CEILING TILE MAY ACT AS ACCESS PANEL (WHERE GRID CEILING IN PLACE)

RE

NS AND WASTE PIPES
MINIMUM
GRADE
1:40
1:40
1:40
1:60
1:60
1:80
1:100
1:150
1:250

REFER TO THE SPECIFICATION FOR FURTHER DETAILS.

CESS PANELS UNDER ALL VALVES

TED ELEMENTS ARE TO BE FIRED STOPPED OLUTION AND INSTALLED STRICTLY IN JFACTURER INSTRUCTIONS.

HALL ENSURE PIPEWORK INSTALLATION IS ORMANCE STANDARD NZS4219:2009.

S TO NOTIFY THE MAIN CONTRACTOR OF CCESS HATCHES AND ENSURE THAT THEY

RCHITECT. IDED WITH A TIMED FLOW CONTROL

DN).

RE OUTSIDE DIAMETER.

CONNECTIONS TO FITTINGS SHALL BE

REFER TO THE SPECIFICATION FOR FURTHER DETAILS. WASTE DRAINAGE PIPEWORK SHALL HAVE

ALL EXISTING DRAINS TO BE WATER BLASTED AND CCTV PRIOR TO REUSE.

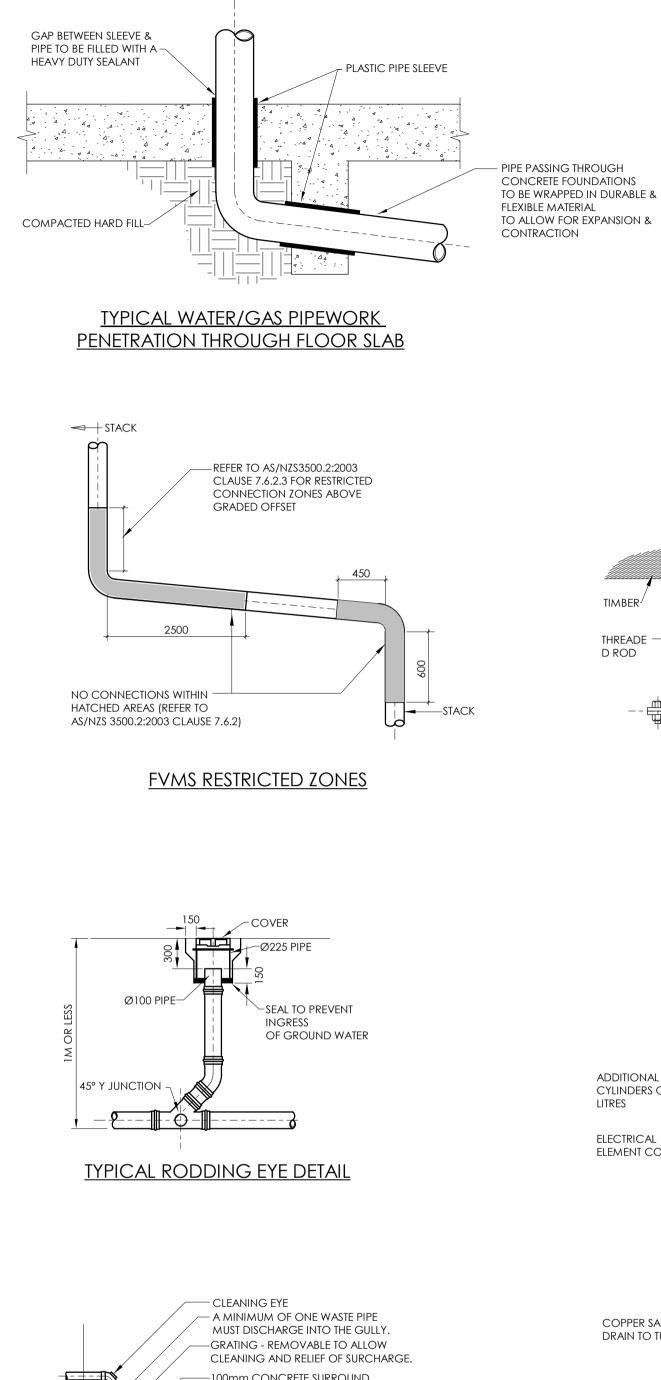
ALL TO COORDINATE WITH THE MECHANICAL SERVICES CONTRACTOR

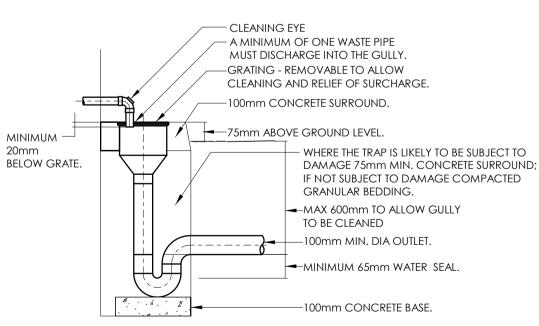
ALL Ø100 AND LARGER BELOW GROUND PIPEWORK SHALL HAVE RUBBER

DRAINAGE CONTRACTOR IS TO COORDINATE WITH THE SITE ENGINEER

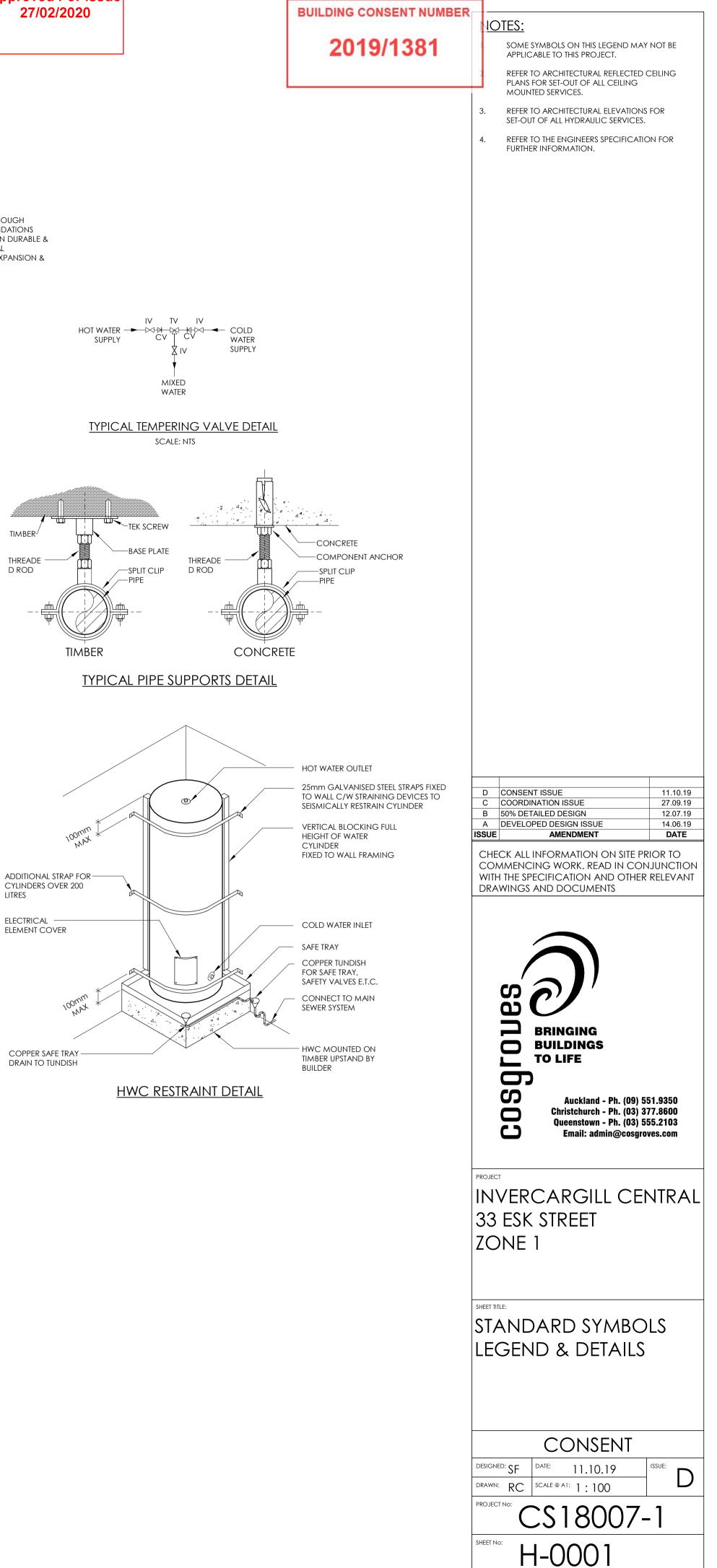
LAYOUTS ARE TO BE CONFIRMED BY THE CONTRACTOR ON SITE. swivel and expansion fittings are to be provided on all fwd

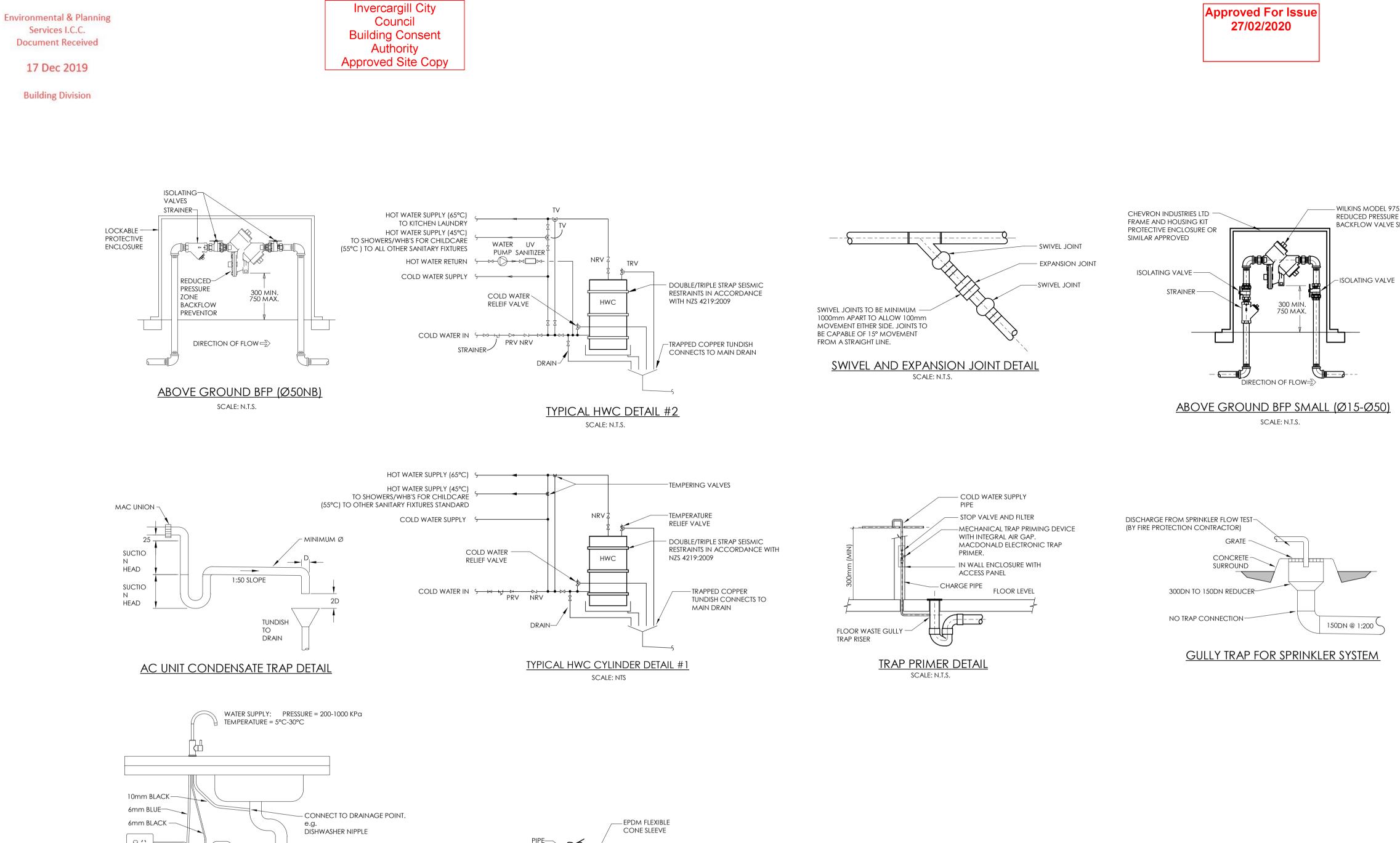
INCORPORATE V-FITTING C/W RUBBER RING ACCESS CAP.

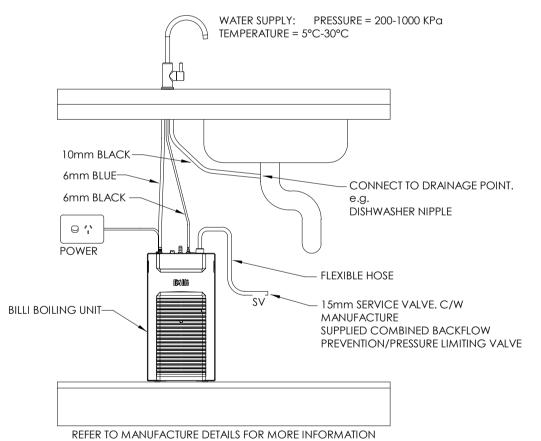




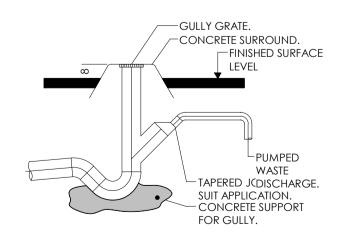
GULLY TRAP DETAIL







TYPICAL BILLI WATER BOILER DETAIL



CONNECTION OF PUMPED WASTE DISCHARGE

OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS

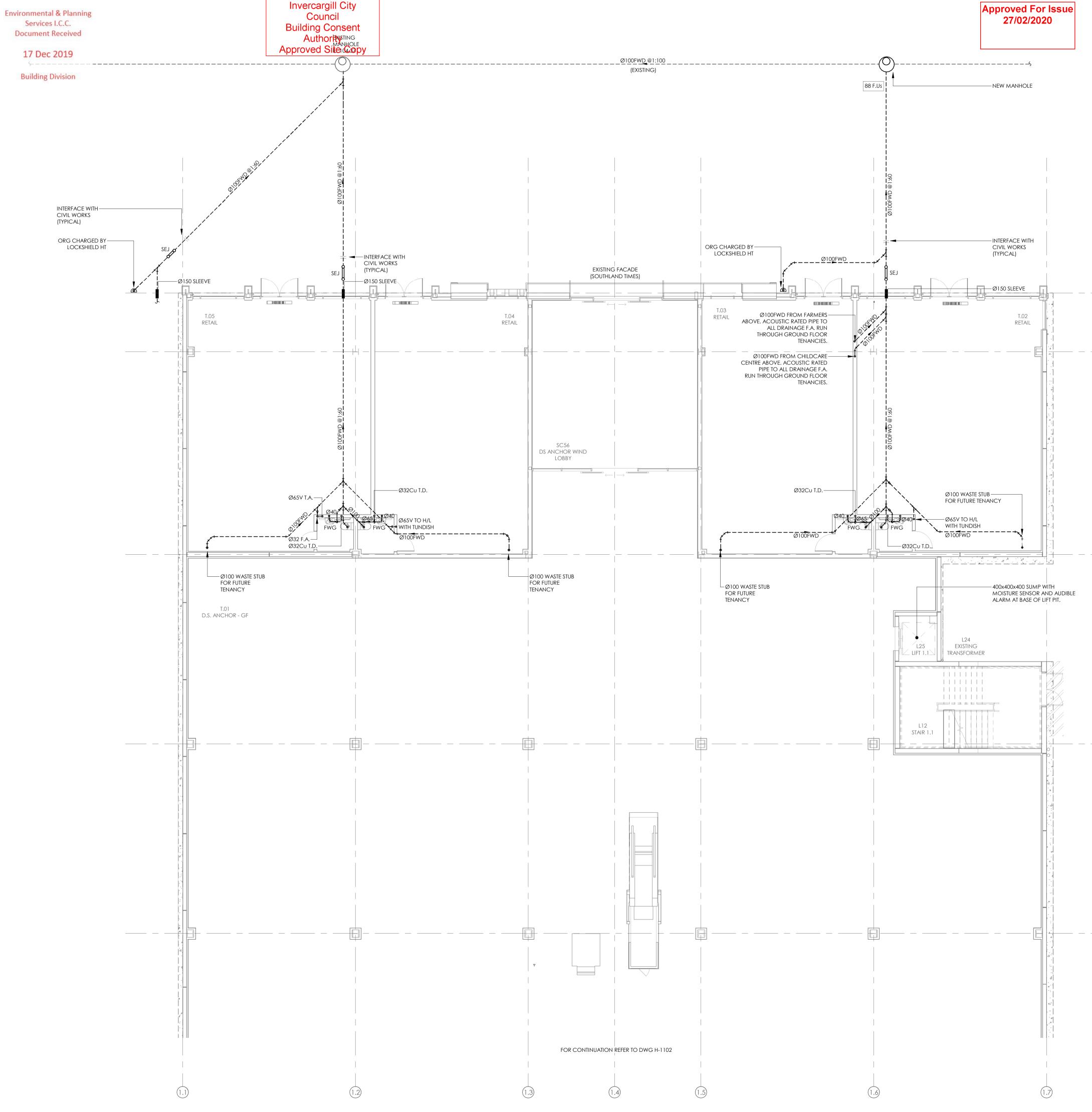
-FLASHING FIXED DIAGONALLY TO ROOFING **PROFILE TO MINIMISE** holding of discharge WATER TO COMPLY WITH NZBC CODE E2/AS1 FIGURE

VENT ROOF PENETRATION DETAIL SCALE: N.T.S.

53

BUILDING CONSENT NUMBER <u>NOTES:</u> 2019/1381 SOME SYMBOLS ON THIS LEGEND MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SET-OUT OF ALL CEILING MOUNTED SERVICES. REFER TO ARCHITECTURAL ELEVATIONS FOR SET-OUT OF ALL HYDRAULIC SERVICES. REFER TO THE ENGINEERS SPECIFICATION FOR FURTHER INFORMATION. D CONSENT ISSUE 11.10.19 C COORDINATION ISSUE 27.09.19 B 50% DETAILED DESIGN 12.07.19 A DEVELOPED DESIGN ISSUE 14.06.19 AMENDMENT DATE CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS S 0 BRINGING BUILDINGS **TO LIFE** δ S Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 C Email: admin@cosgroves.com PROJECT INVERCARGILL CENTRAL 33 ESK STREET SHEET TITLE: ADDITIONAL STANDARD DETAILS CONSENT JESIGNED: SF DATE: ISSUE: 11.10.19 \Box DRAWN: RC SCALE®A1: 1:100 **PROJECT NO** CS18007 SHEET NO H-0002

- WILKINS MODEL 975XLV REDUCED PRESSURE ZONE BACKFLOW VALVE SET





BUILDING CONSENT NUMBER

2019/1381

REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS.

REFER TO THE SPECIFICATION FOR FURTHER INFORMATION.

-(1.A)

-(1.B)

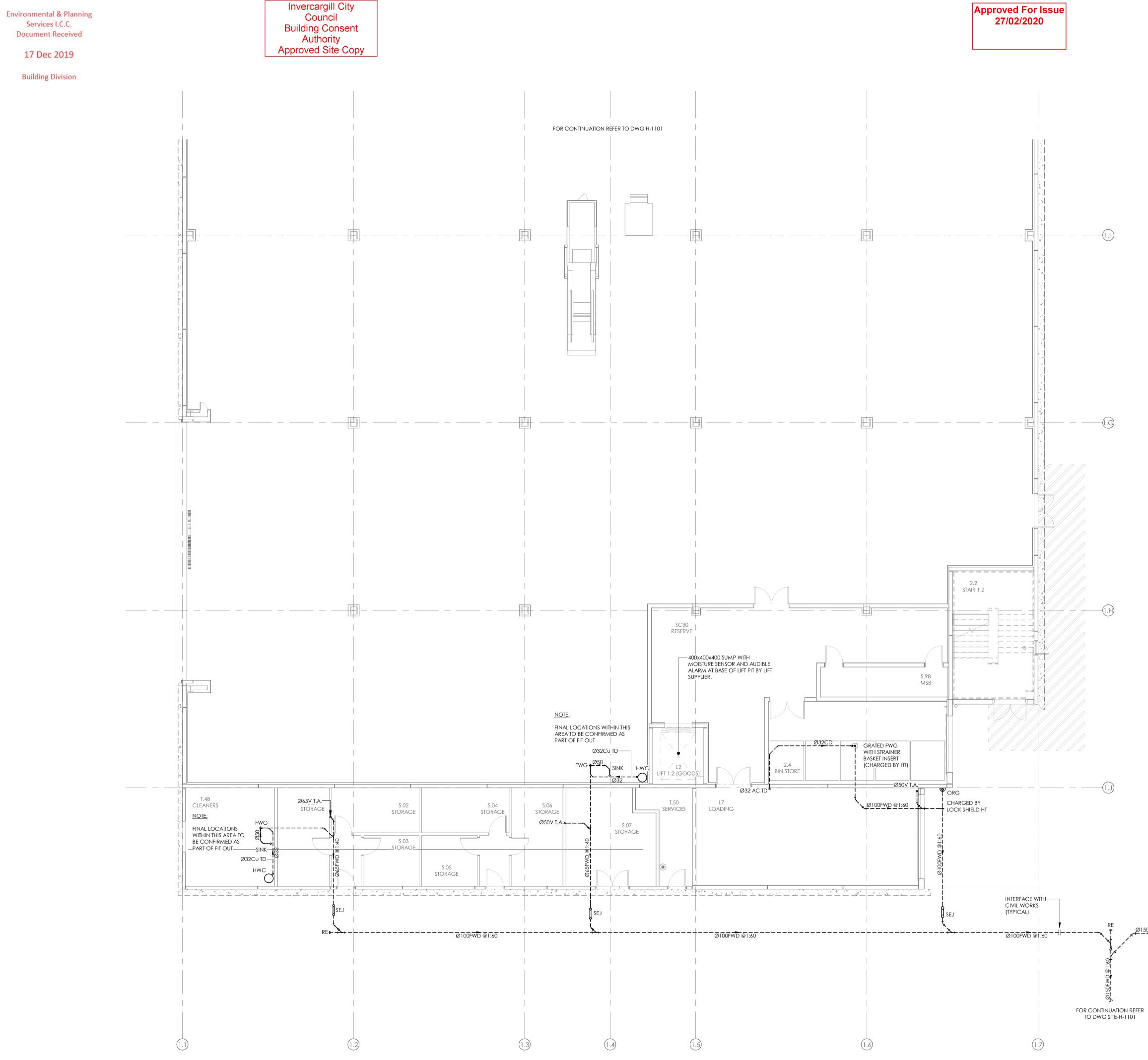
-(1.C)

-(1.E)

D CONSENT ISSUE 11.10.19 C COORDINATION ISSUE 27.09.19 12.07.19 14.06.19 B 50% DETAILED DESIGN A DEVELOPED DESIGN ISSUE AMENDMENT DATE ISSUE CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS S 0 BRINGING BUILDINGS TO LIFE Ο OSO Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com Ū PROJECT INVERCARGILL CENTRAL 33 ESK STREET ZONE 1 SHEET TITLE: SANITARY LAYOUT **GROUND FLOOR PART 1**

CONSENT DESIGNED: SF DATE: 11.10.19 DRAWN: RC SCALE @ A1: 1:100

CS18007-1 PROJECT No H-1101 SHEET NO



BUILDING CONSENT NUMBER 2019/1381

REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS.

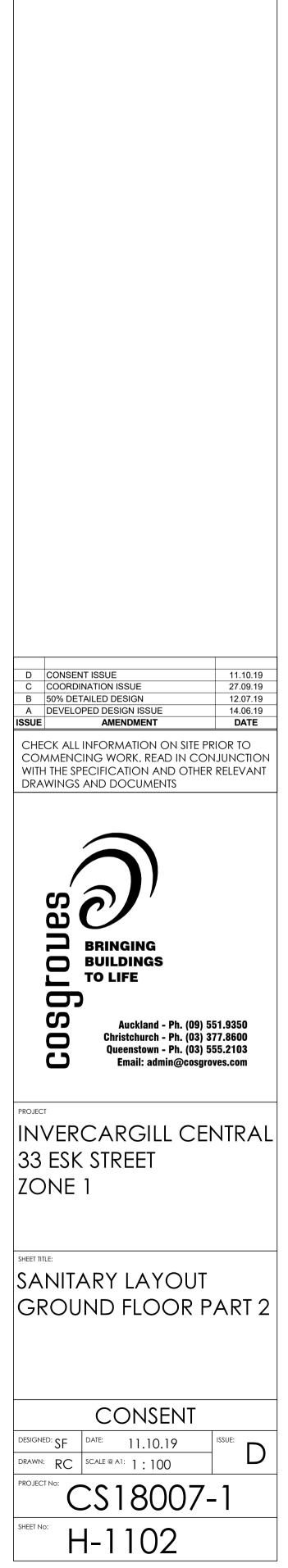
REFER TO THE SPECIFICATION FOR FURTHER INFORMATION.

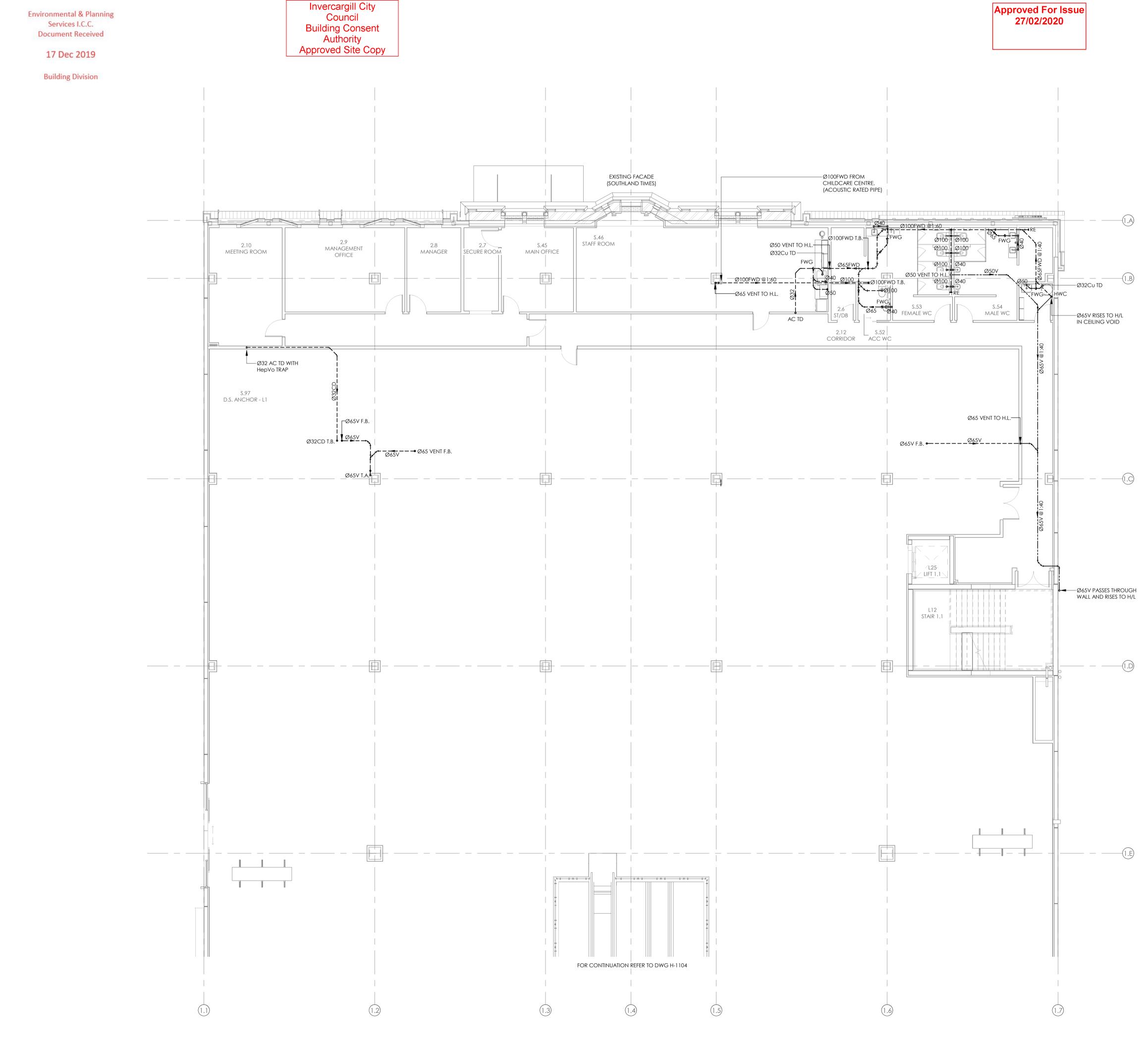
-(1.G)

-(1.H)

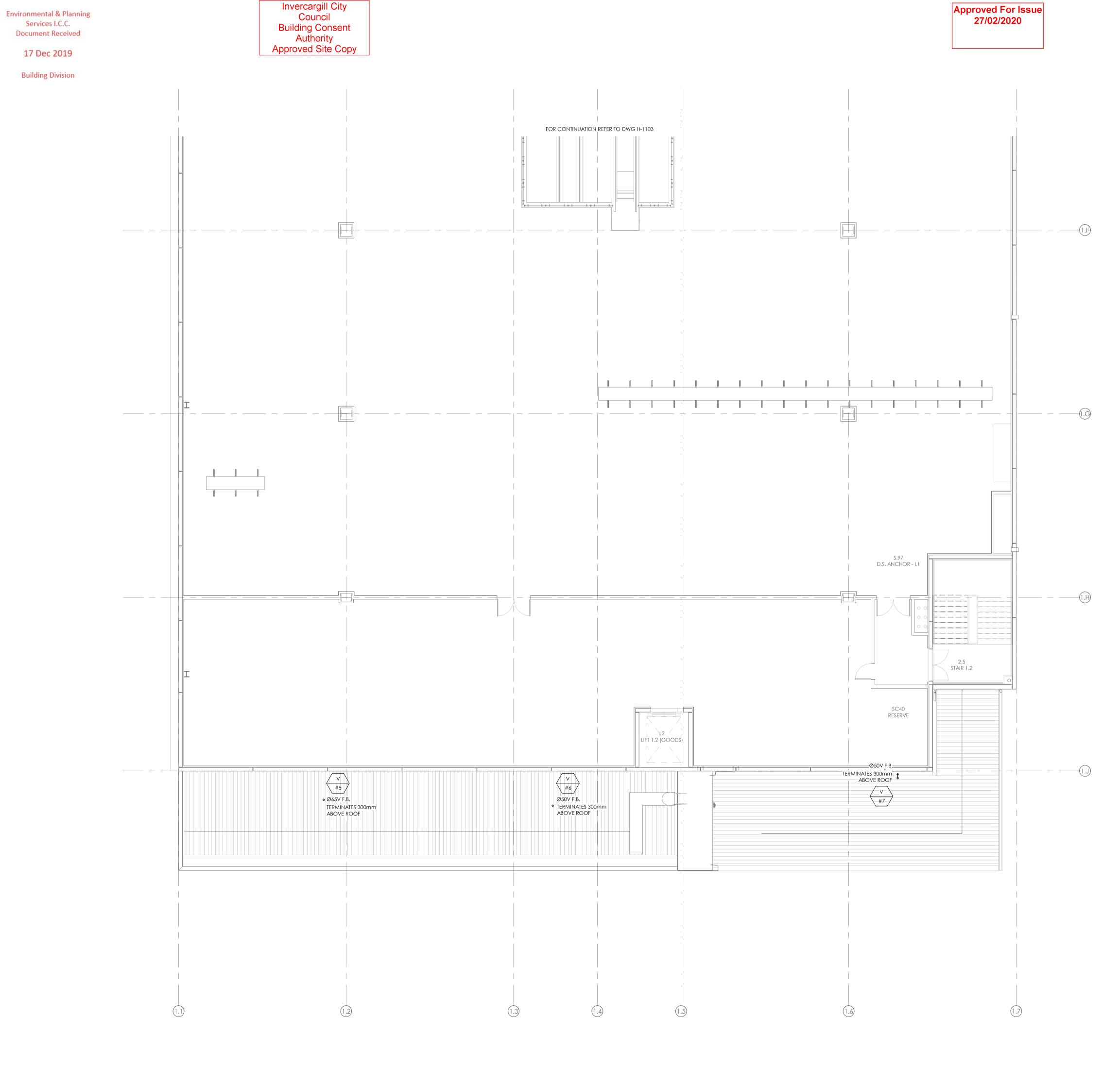
-(1.J)

Ø150FWD

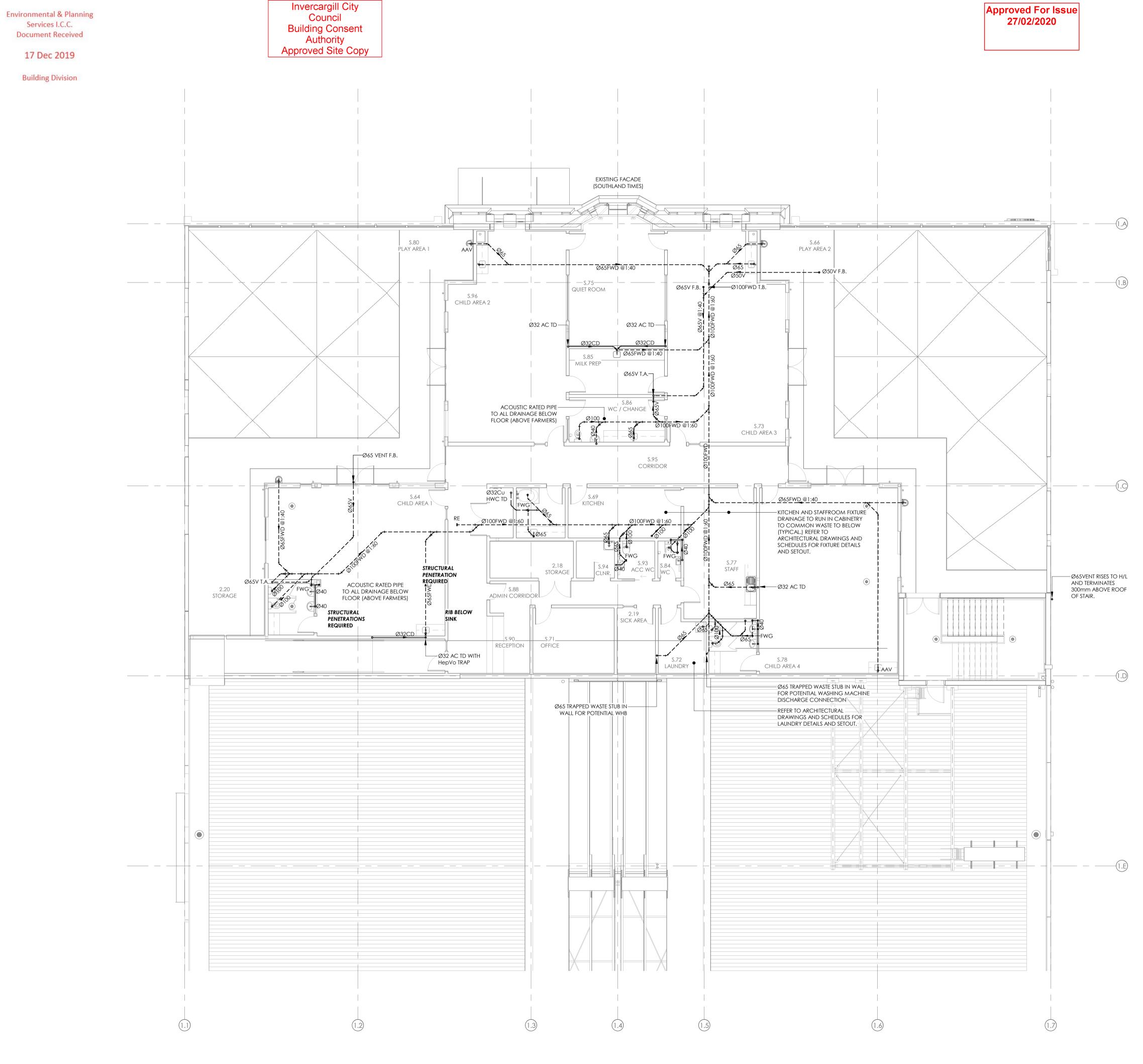




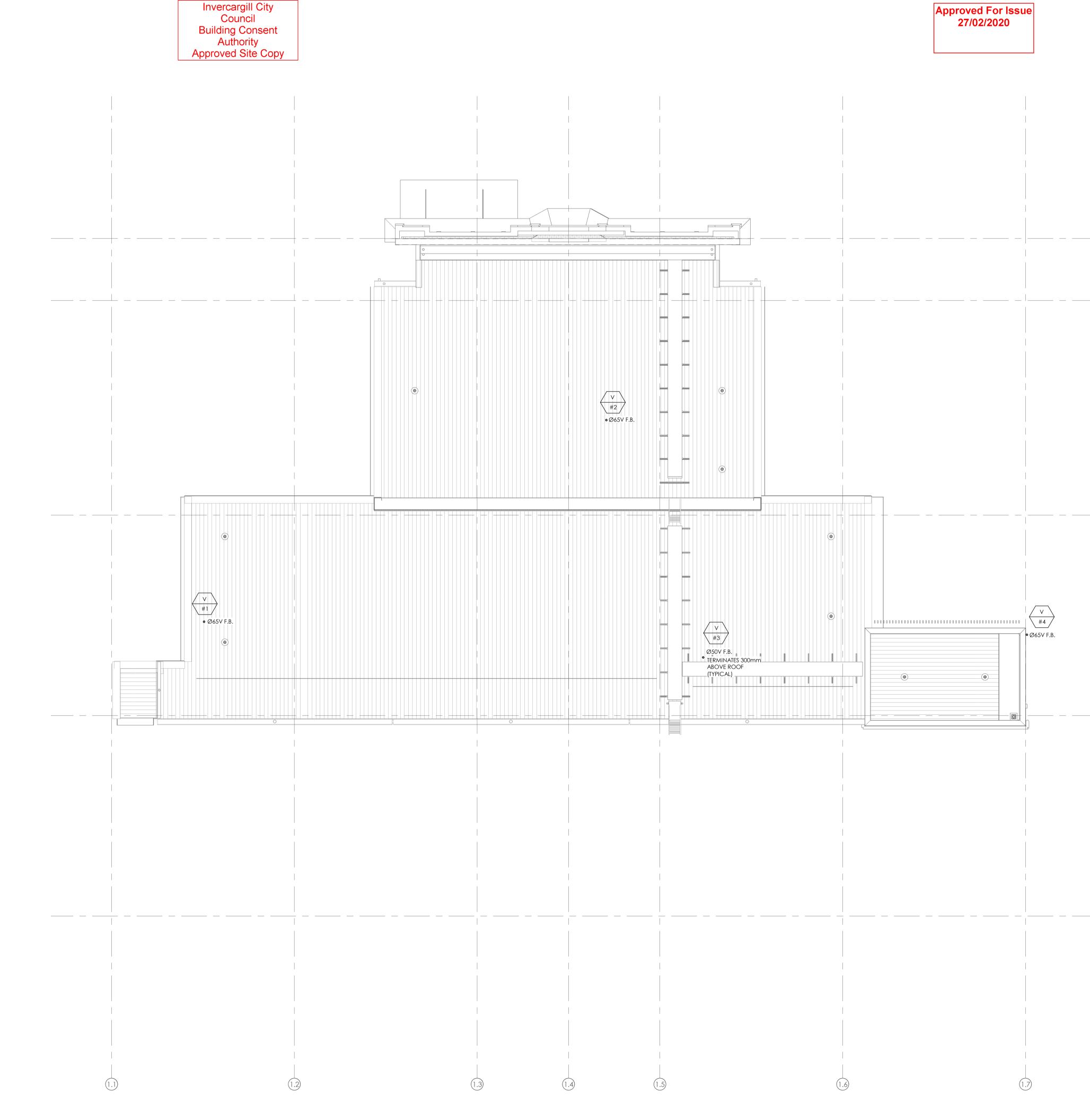
BUILDING CONSENT NUMBER NOTES: 2019/1381 REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS. REFER TO THE SPECIFICATION FOR FURTHER INFORMATION. ALL PIPEWORK AT HIGH LEVEL BELOW SHALL BE ACOUSTIC RATED. C CONSENT ISSUE 11.10.19 27.09.19 12.07.19 **DATE** B COORDINATION ISSUE A 50% DETAILED DESIGN ISSUE AMENDMENT CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS S ā BRINGING BUILDINGS TO LIFE cosgl Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com PROJECT INVERCARGILL CENTRAL 33 ESK STREET ZONE 1 SHEET TITLE: SANITARY LAYOUT LEVEL 1 PART 1 CONSENT DESIGNED: SF DATE: 11.10.19 DRAWN: RC SCALE @ A1: 1:100 PROJECT No CS18007-1 SHEET NO H-1103



BUILDING CONSENT NUMBER <u>NOTES:</u> 2019/1381 REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS. REFER TO THE SPECIFICATION FOR FURTHER INFORMATION. ALL PIPEWORK AT HIGH LEVEL BELOW SHALL BE ACOUSTIC RATED. C CONSENT ISSUE 11.10.19 27.09.19 12.07.19 DATE B COORDINATION ISSUE A 50% DETAILED DESIGN ISSUE AMENDMENT CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS ß BRINGING BUILDINGS TO LIFE cosgl Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com PROJECT INVERCARGILL CENTRAL 33 ESK STREET ZONE 1 SHEET TITLE: SANITARY LAYOUT LEVEL 1 PART 2 CONSENT DESIGNED: SF DATE: 11.10.19 DRAWN: RC SCALE @ A1: 1:100 PROJECT No: °CS18007-1 H-1104 SHEET NO

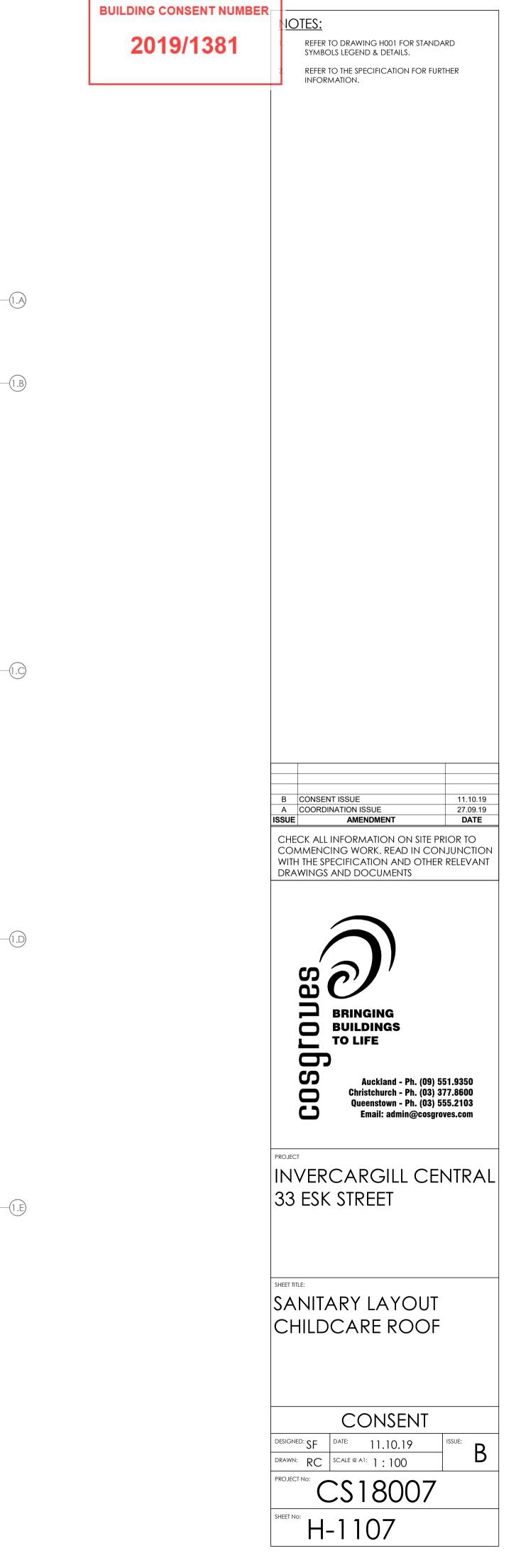


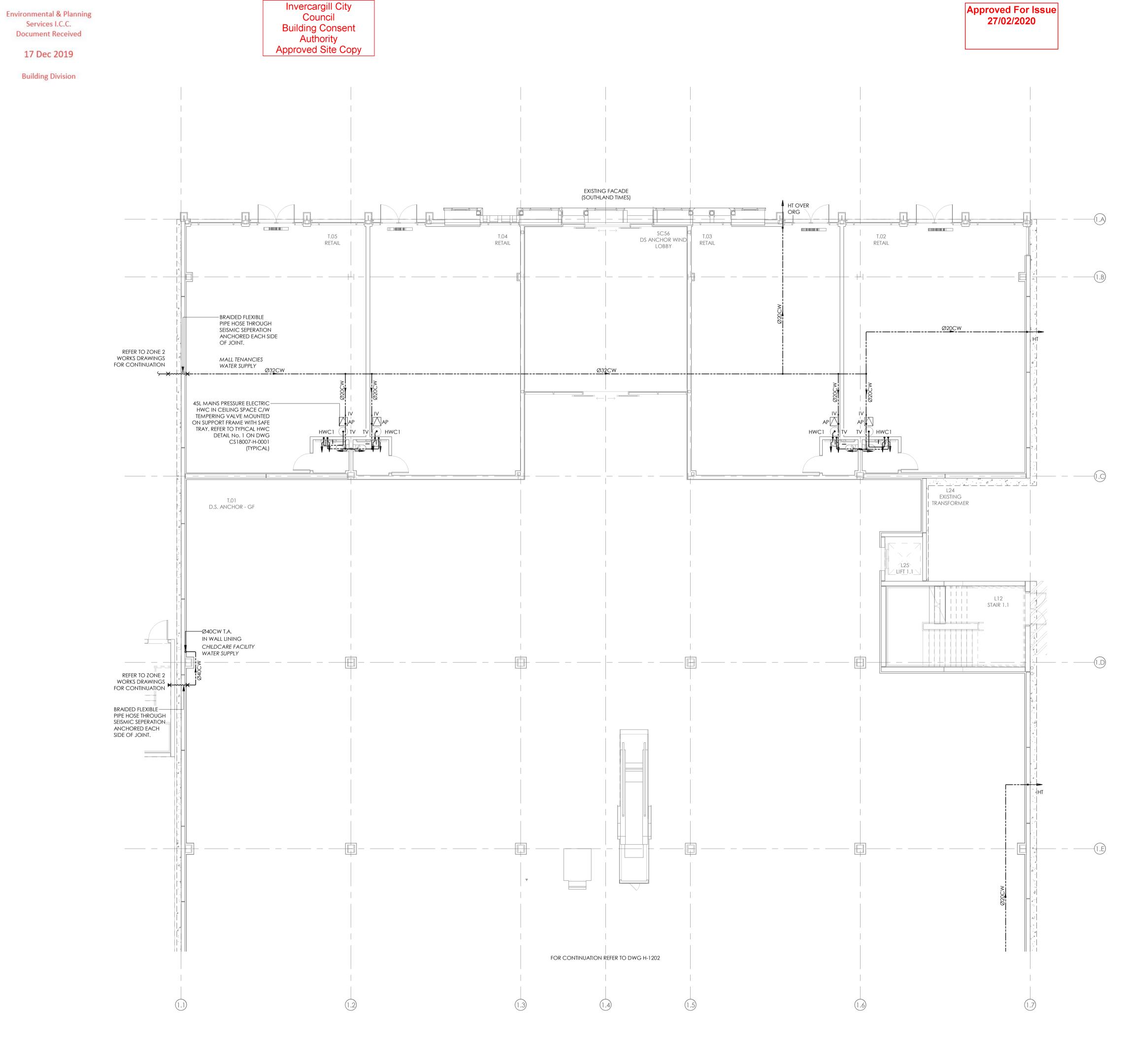
BUILDING CONSENT NUMBER	
2019/1381	NOTES: REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS.
	REFER TO THE SPECIFICATION FOR FURTHER INFORMATION.
	3. ALL PIPEWORK AT FLOOR BELOW SHALL BE ACOUSTIC RATED.
	4. FIRE COLLARS AT FLOOR; SEE FIRE ENGINEERS SPECIFICATION FOR DETAILS.
	D CONSENT ISSUE 11.10.19 C COORDINATION ISSUE 27.09.19
	B50% DETAILED DESIGN12.07.19ADEVELOPED DESIGN ISSUE14.06.19
	ISSUE AMENDMENT DATE CHECK ALL INFORMATION ON SITE PRIOR TO
	COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS
	si O'
	Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600
	Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com
	INVERCARGILL CENTRAL
	33 ESK STREET
	ZONE 1
	SHEET TITLE:
	SANITARY LAYOUT LEVEL
	2 PART 1
	CONSENT
	DESIGNED: SF DATE: 11.10.19 ISSUE:
	DRAWN: RC SCALE @ A1: 1:100
	CS18007-1
	SHEET NO: H-1105



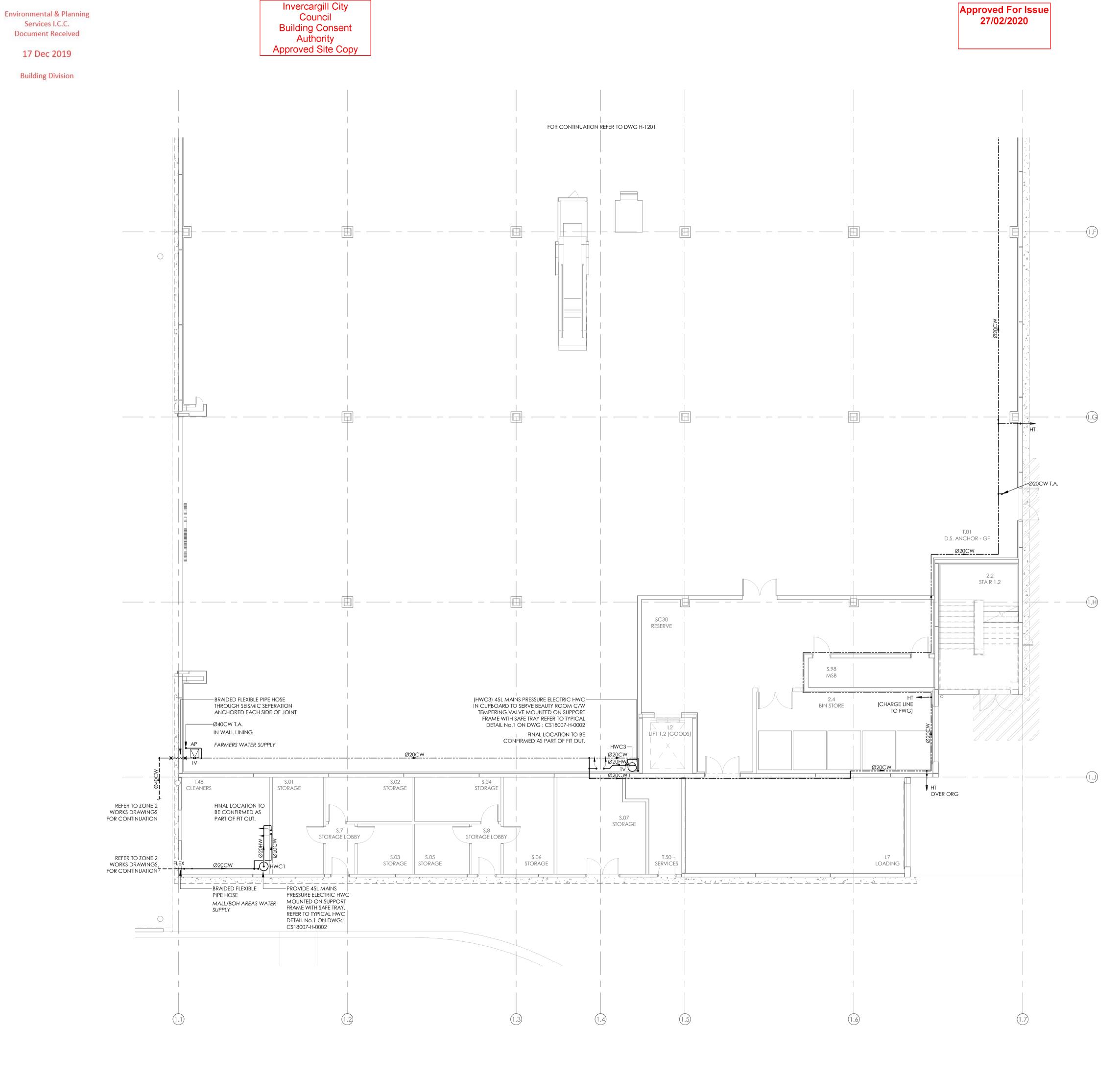
17 Dec 2019

Building Division

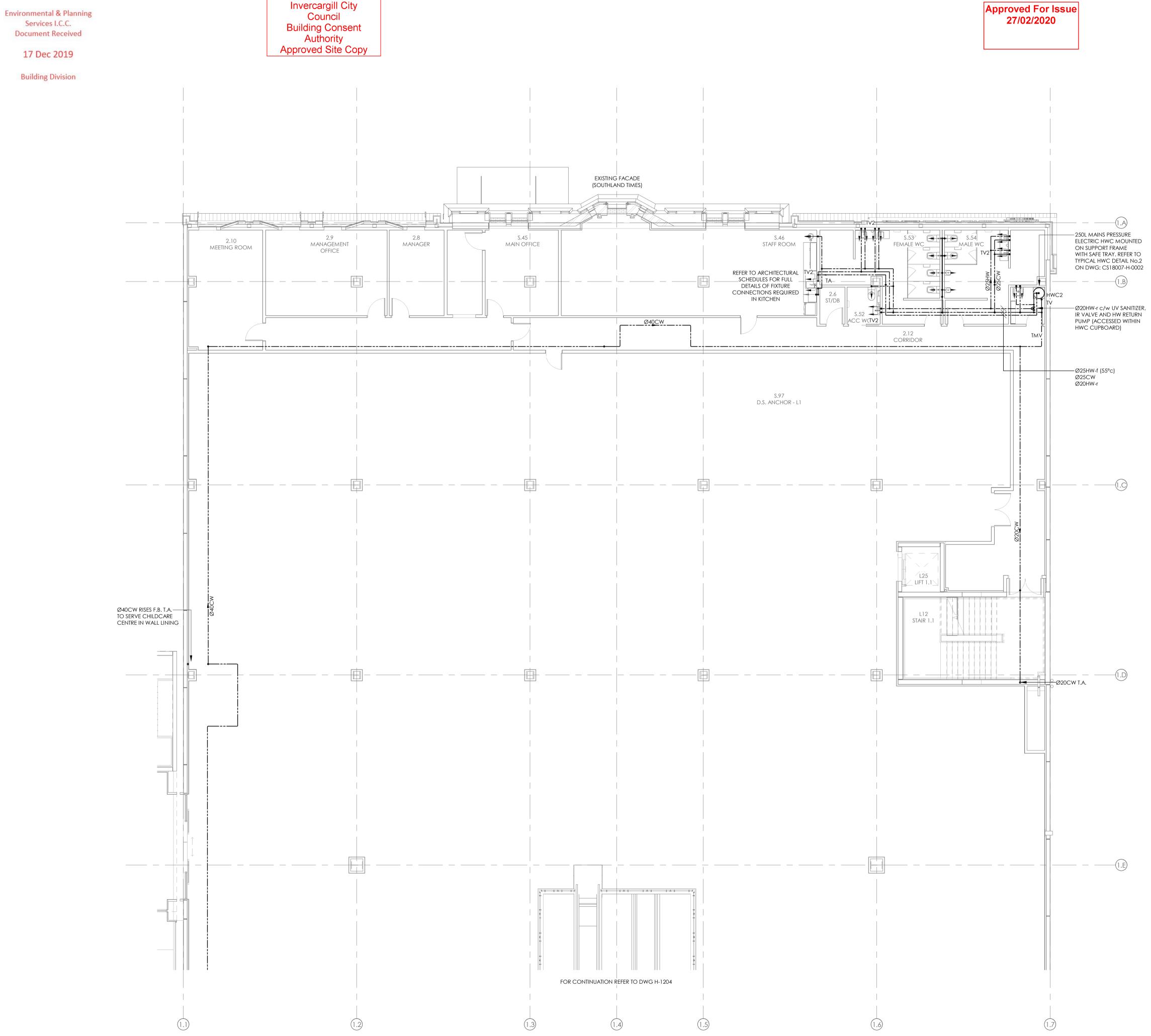




BUILDING CONSENT NUMBER	NOTES:
2019/1381	REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS.
	 INFORMATION. ALL HOSE TAPS TO BE LOCKABLE AND FITTED WITH VACUUM BREAKER VALVES.
	D CONSENT ISSUE 11.10.19
	CCOORDINATION ISSUE27.09.19B50% DETAILED DESIGN12.07.19ADEVELOPED DESIGN ISSUE14.06.19ISSUEAMENDMENTDATECHECK ALL INFORMATION ON SITE PRIOR TO
	COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS
	Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com
	PROJECT INVERCARGILL CENTRAL
	33 ESK STREET ZONE 1
	SHEET TITLE: DOMESTIC WATER
	LAYOUT GROUND FLOOR PART 1
	CONSENT
	DESIGNED: SF DATE: 11.10.19 ISSUE: DRAWN: RC SCALE @ A1: 1:100 D
	CS18007-1 SHEET NO: H-1201



BUILDING CONSENT NUMBER <u>NOTES:</u> 2019/1381 REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS. REFER TO THE SPECIFICATION FOR FURTHER INFORMATION. ALL HOSE TAPS TO BE LOCKABLE AND FITTED WITH VACUUM BREAKER VALVES. E UPDATED CONSENT ISSUE 24.10.19 D CONSENT ISSUE 11.10.19 27.09.19 C COORDINATION ISSUE B 50% DETAILED DESIGN 12.07.19 A DEVELOPED DESIGN ISSUE 14.06.19 ISSUE AMENDMENT DATE CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS S 0 BRINGING BUILDINGS 2 **TO LIFE** δ 0S Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com C PROJECT INVERCARGILL CENTRAL 33 ESK STREET ZONE 1 SHEET TITLE: DOMESTIC WATER LAYOUT GROUND FLOOR PART 2 UPDATED CONSENT DESIGNED: SF 24.10.19 ISSUE: Ε DRAWN: RC SCALE @ A1: 1:100 PROJECT NO °CS18007-1 SHEET NO H-1202



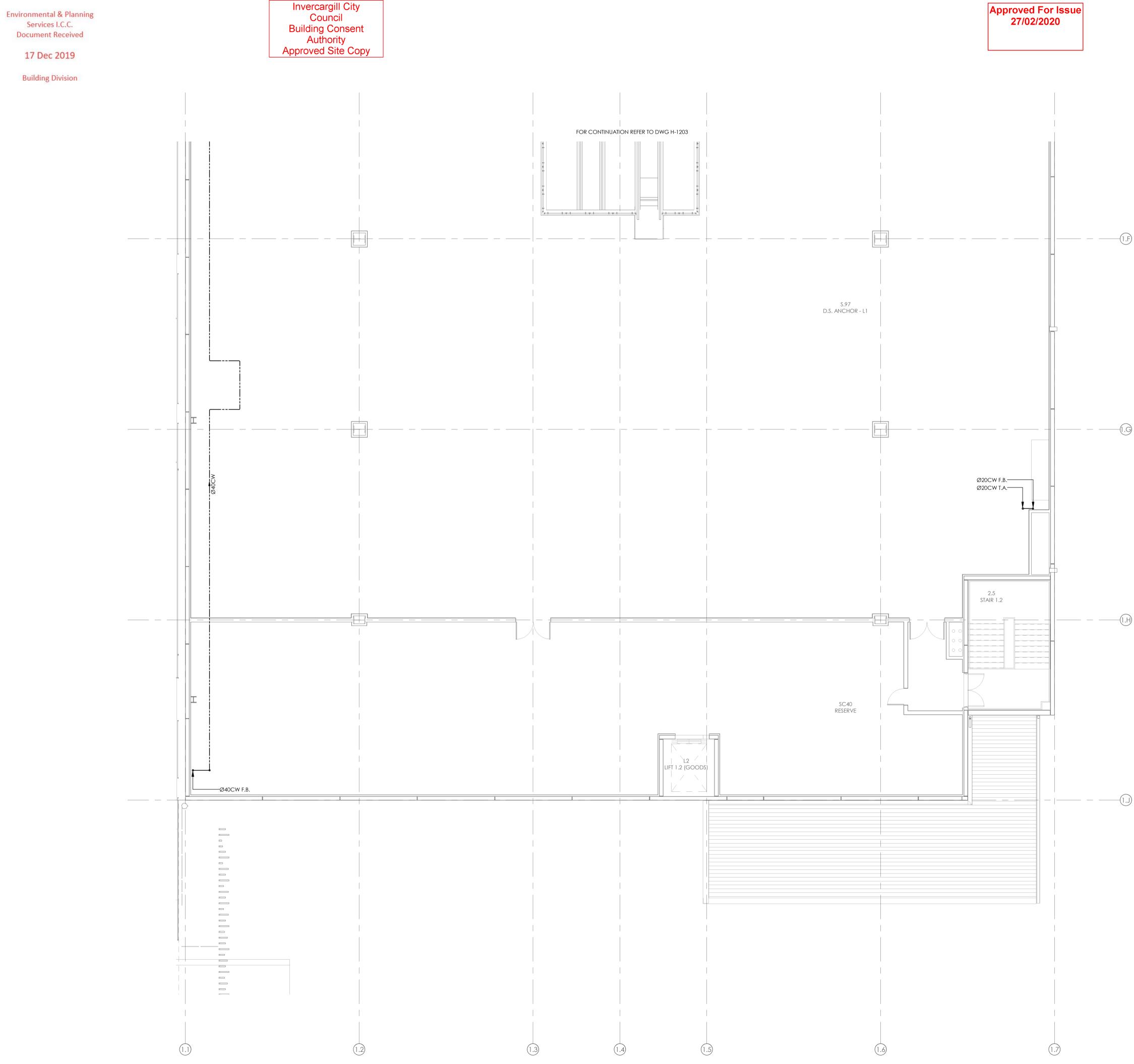
BUILDING CONSENT NUMBER NOTES: 2019/1381 REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS. REFER TO THE SPECIFICATION FOR FURTHER INFORMATION. ALL HOSE TAPS TO BE FITTED WITH VACUUM BREAKER VALVES. local tempering valves to be provided to serve all whb's. D CONSENT ISSUE 11.10.19 27.09.19 C COORDINATION ISSUE 12.07.19 14.06.19 B 50% DETAILED DESIGN A DEVELOPED DESIGN ISSUE ISSUE AMENDMENT DATE CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS S B BRINGING BUILDINGS TO LIFE σ COS Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com PROJECT INVERCARGILL CENTRAL 33 ESK STREET ZONE 1 SHEET TITLE: DOMESTIC WATER LAYOUT LEVEL 1 PART 1 CONSENT DESIGNED: SF DATE: 11.10.19 ISSUE: D DRAWN: RC SCALE @ A1: 1:100 PROJECT NO CS18007-1 H-1203 SHEET NO

-(1.A)

-(1.C)

---(1.D

—(1.E)



BUILDING CONSENT NUMBER

2019/1381

REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS.

REFER TO THE SPECIFICATION FOR FURTHER INFORMATION.

—(1.F)

-(1.H)

-(1.J

E UPDATED CONSENT ISSUE 24.10.19 D CONSENT ISSUE 11.10.19 27.09.19 C COORDINATION ISSUE 12.07.19 14.06.19 DATE B 50% DETAILED DESIGN A DEVELOPED DESIGN ISSUE ISSUE AMENDMENT CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS $\overline{\mathbf{n}}$ ß

BRINGING BUILDINGS TO LIFE cosgl Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com

PROJECT

SHEET TITLE:

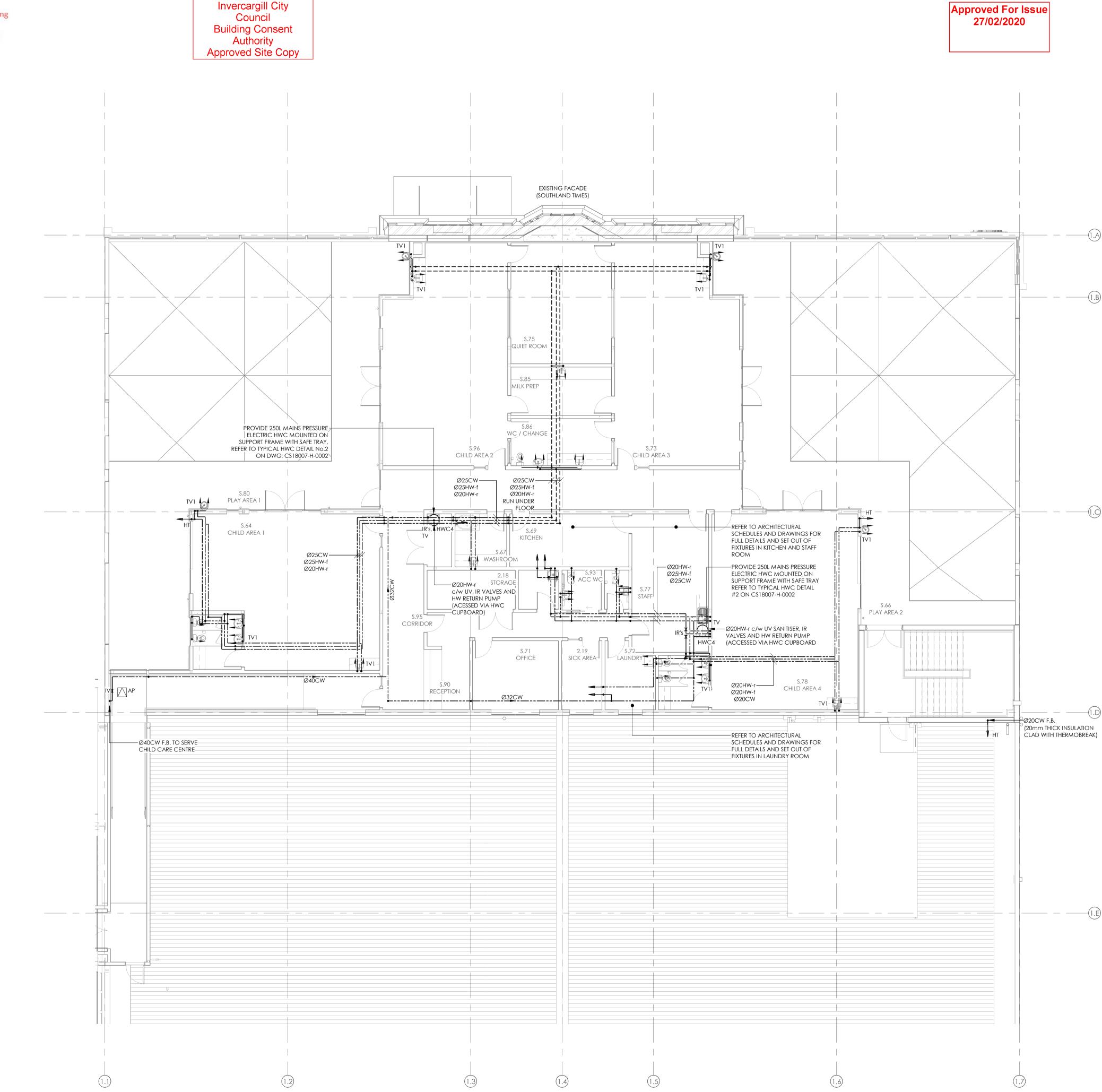
SHEET NO:

INVERCARGILL CENTRAL 33 ESK STREET ZONE 1

DOMESTIC WATER LAYOUT LEVEL 1 PART 2

UPDATED CONSENT DESIGNED: SF DATE: 24.10.19 DRAWN: RC SCALE @ A1: 1:100 PROJECT No: ^{ICC} CS18007-1

H-1204



17 Dec 2019

Building Division

BUILDING CONSENT NUMBER

2019/1381

REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS.

REFER TO THE SPECIFICATION FOR FURTHER INFORMATION.

-(1.A)

-(1.B)

-(1.C)

-(1.E)

D CONSENT ISSUE 11.10.19 C COORDINATION ISSUE 27.09.19 12.07.19 14.06.19 B 50% DETAILED DESIGN A DEVELOPED DESIGN ISSUE AMENDMENT DATE ISSUE CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS S 9 BRINGING 2 BUILDINGS **TO LIFE** δ COS Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com PROJECT INVERCARGILL CENTRAL 33 ESK STREET ZONE 1 SHEET TITLE: DOMESTIC WATER LAYOUT LEVEL 2 PART 1 CONSENT DESIGNED: SF 11.10.19 ISSUE: D DRAWN: RC SCALE @ A1: 1:100 PROJECT No^r °CS18007-1

SHEET NO

H-1205

17 Dec 2019

Building Division





BUILDING CONSENT NUMBER

2019/1381

REFER TO DRAWING H001 FOR STANDARD SYMBOLS LEGEND & DETAILS.

REFER TO THE SPECIFICATION FOR FURTHER INFORMATION.

-(1.F)

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D UPDATED CONSENT ISSUE C CONSENT ISSUE 24.10.19 11.10.19 27.09.19 14.06.19 DATE B COORDINATION ISSUE A DEVELOPED DESIGN ISSUE ISSUE AMENDMENT CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS ß BRINGING BUILDINGS TO LIFE cosgl Auckland - Ph. (09) 551.9350 Christchurch - Ph. (03) 377.8600 Queenstown - Ph. (03) 555.2103 Email: admin@cosgroves.com PROJECT INVERCARGILL CENTRAL 33 ESK STREET ZONE 1

DOMESTIC WATER

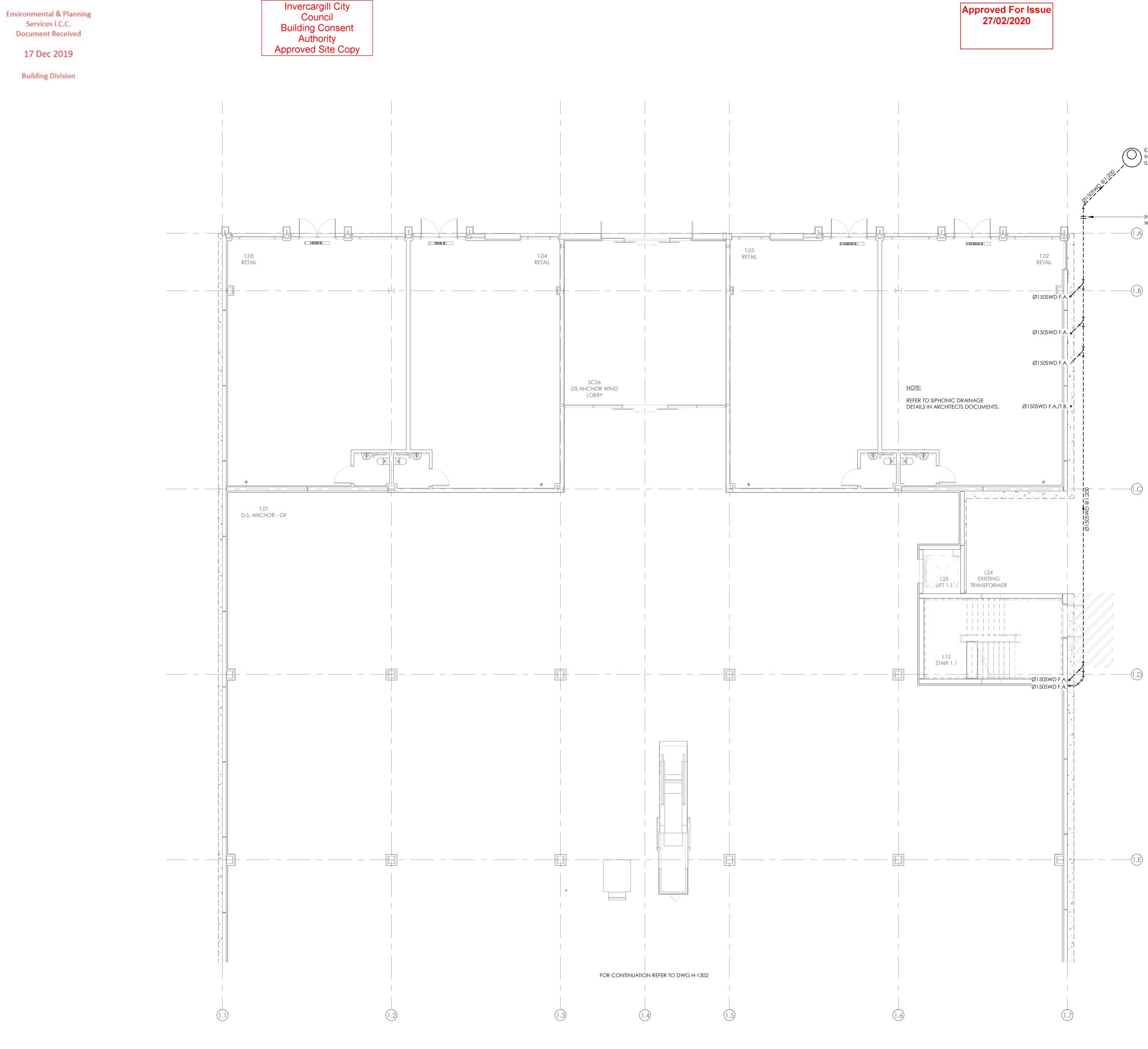
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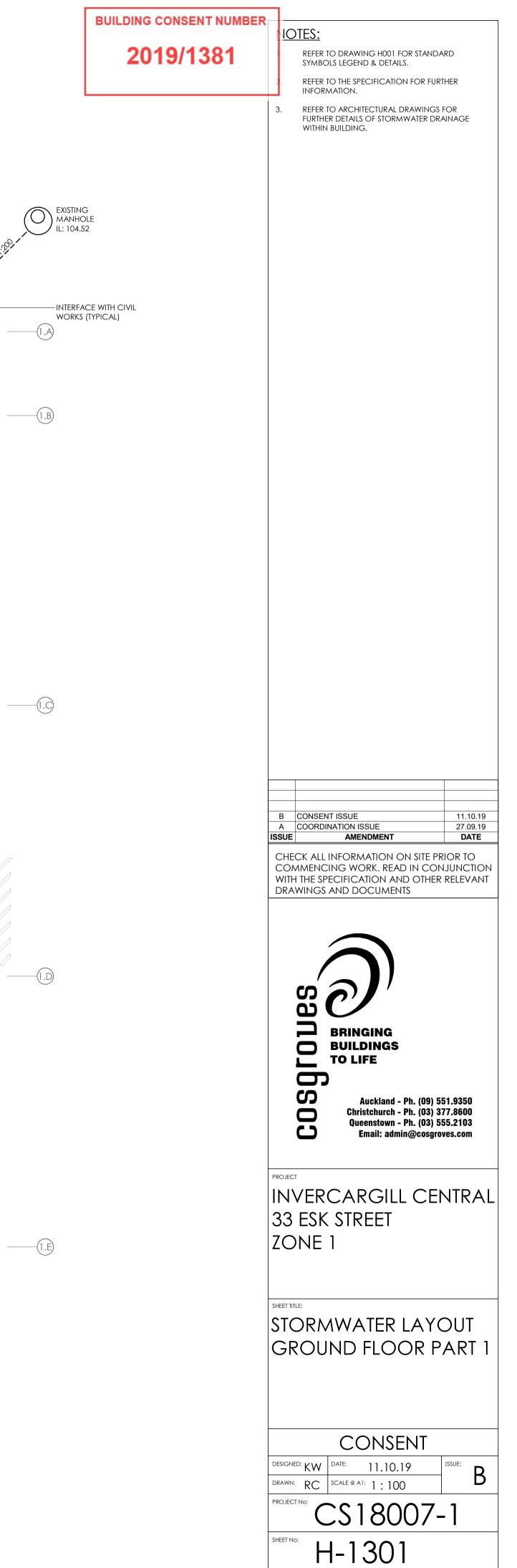
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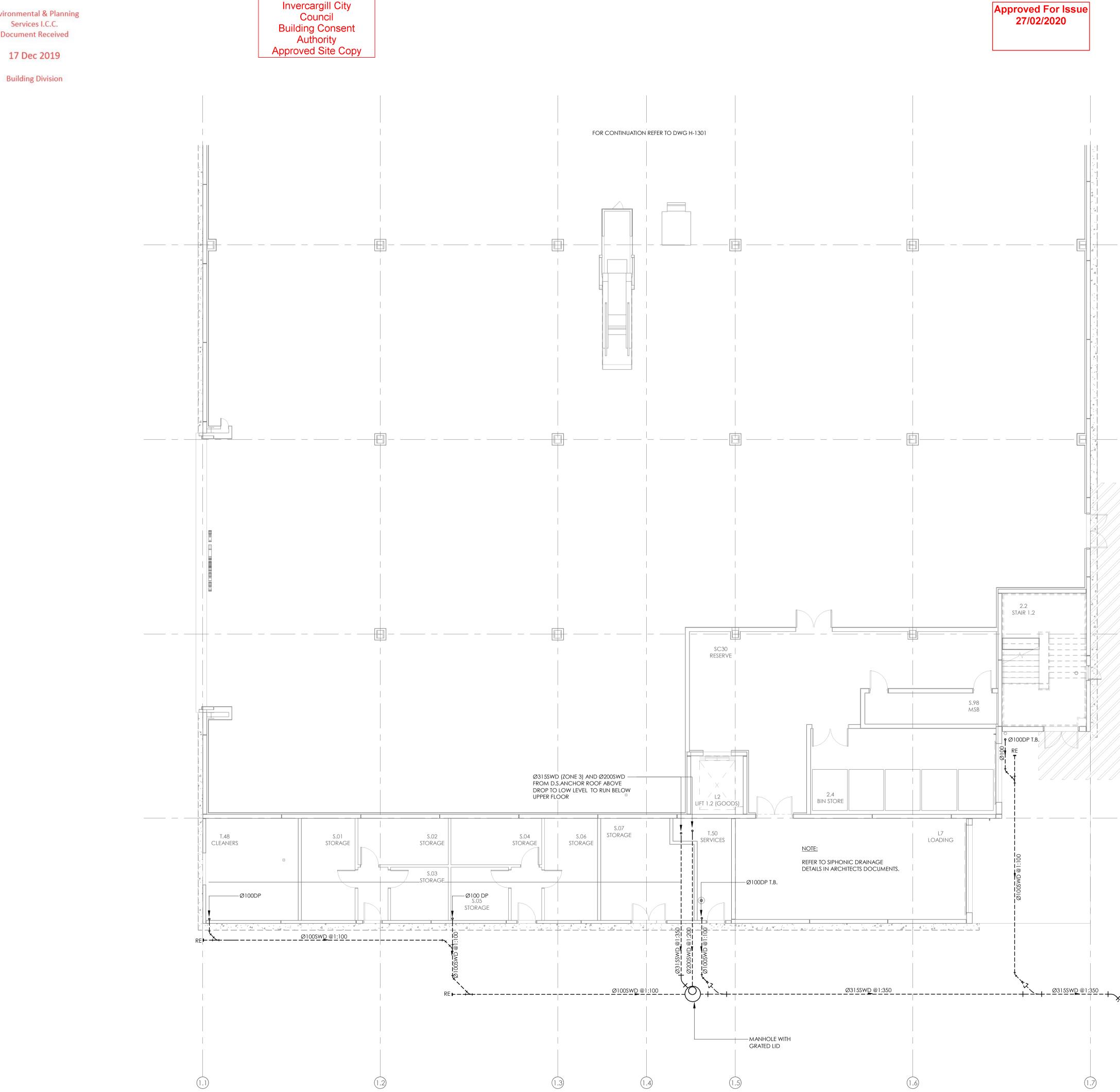
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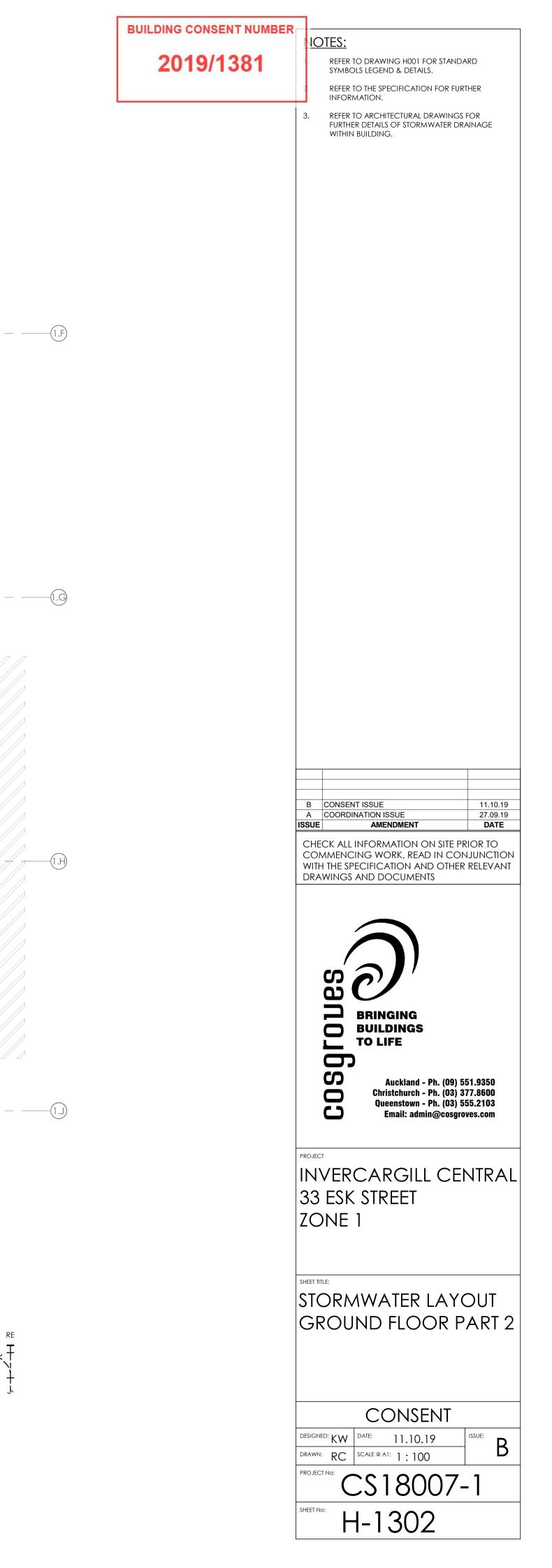
 SHEET NO:
 H–1206







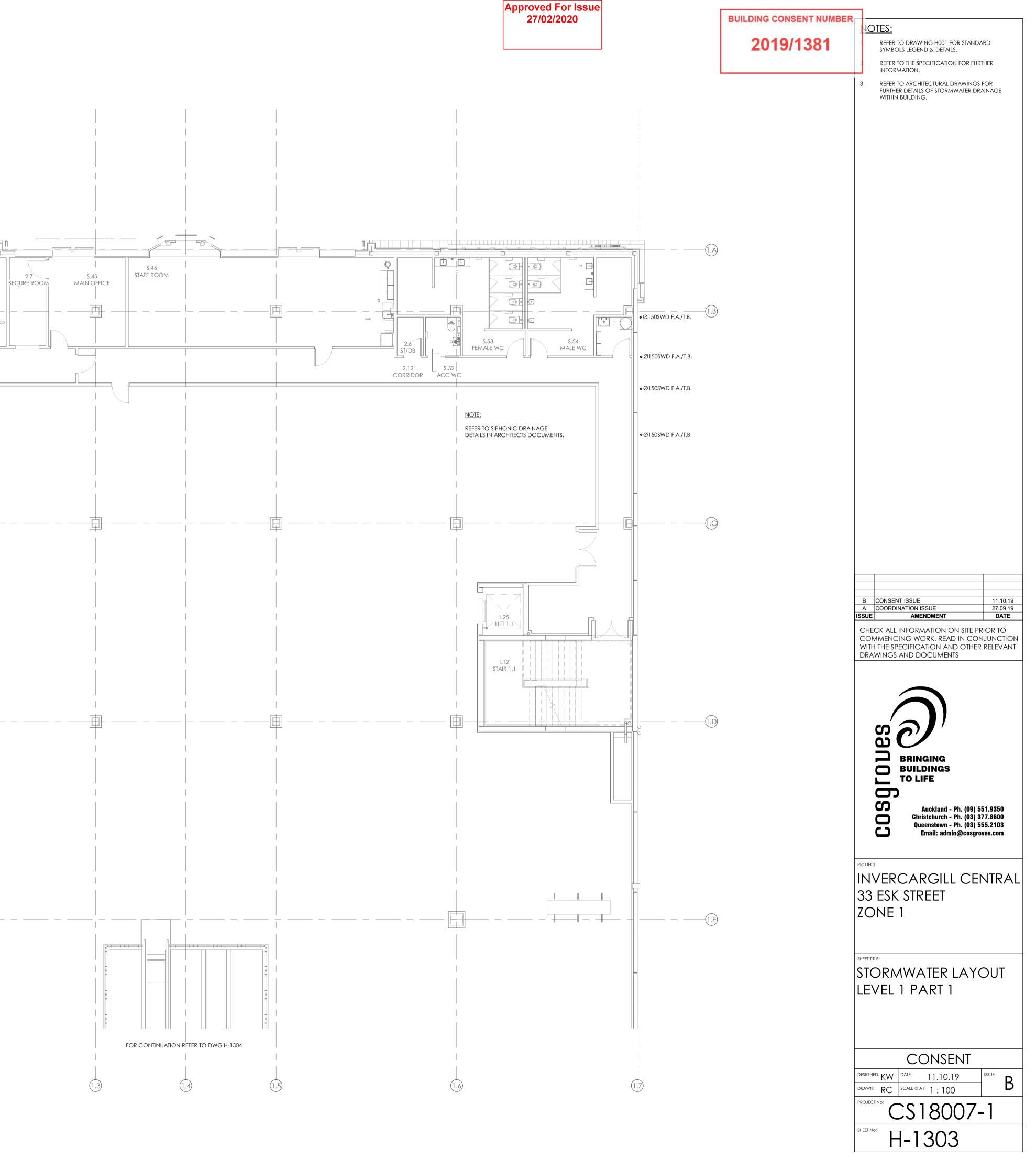
Environmental & Planning **Document Received**

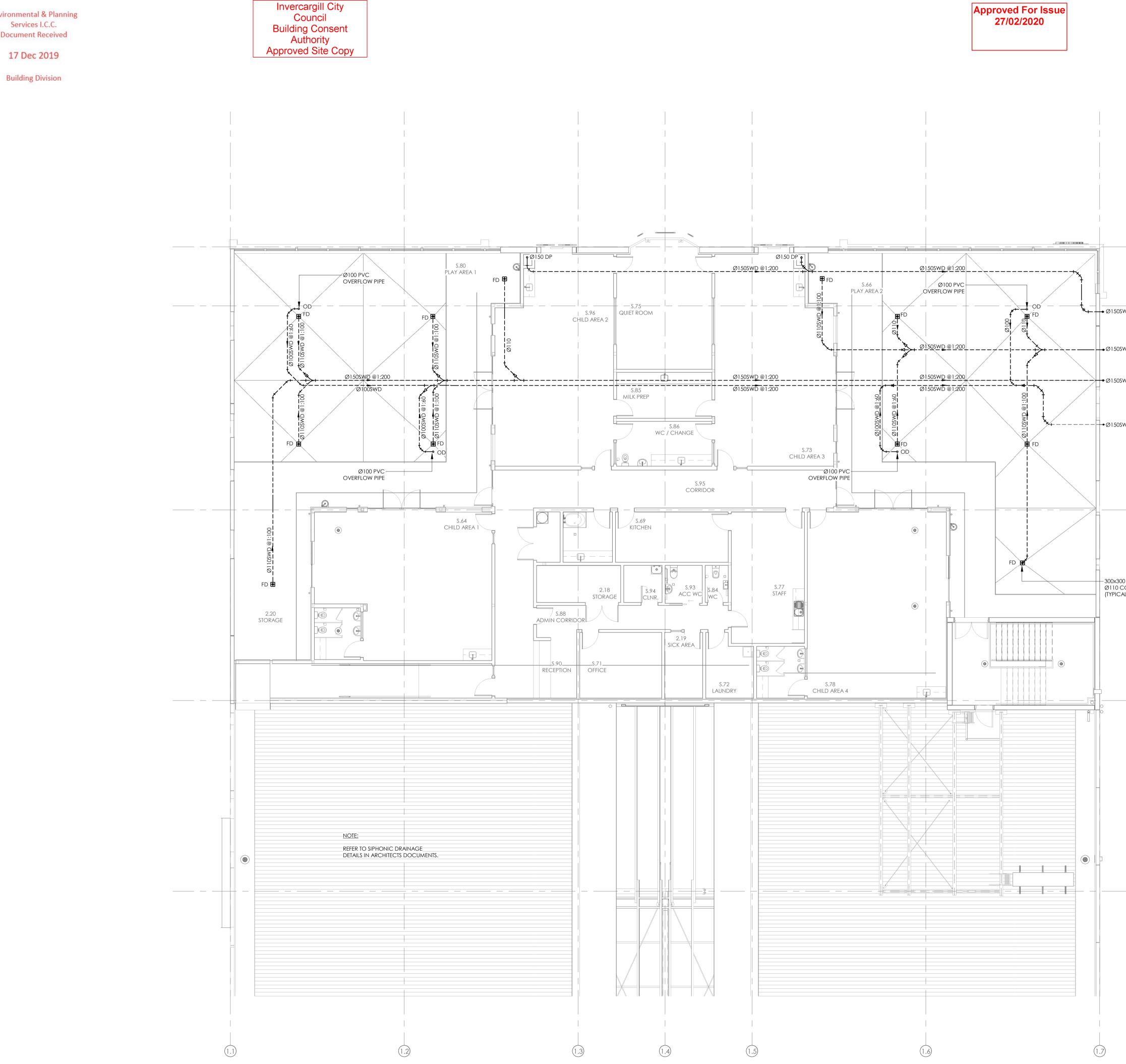


17 Dec 2019

Building Division

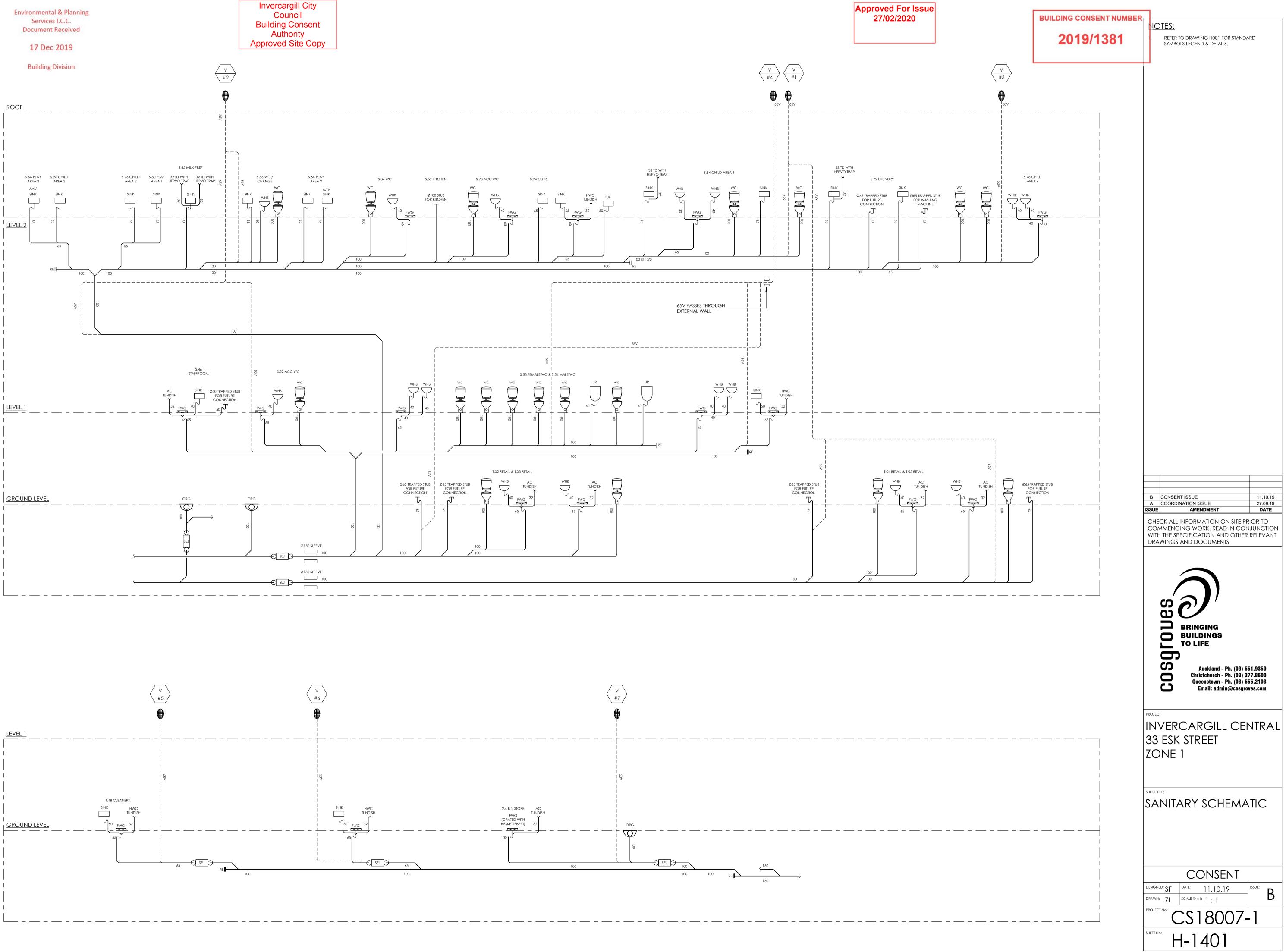
2.9 MANAGEMENT 2.10 MEETING ROOM 2.8 MANAGER OFFICE S.97 D.S. ANCHOR - L1 (1.2) (1.1)

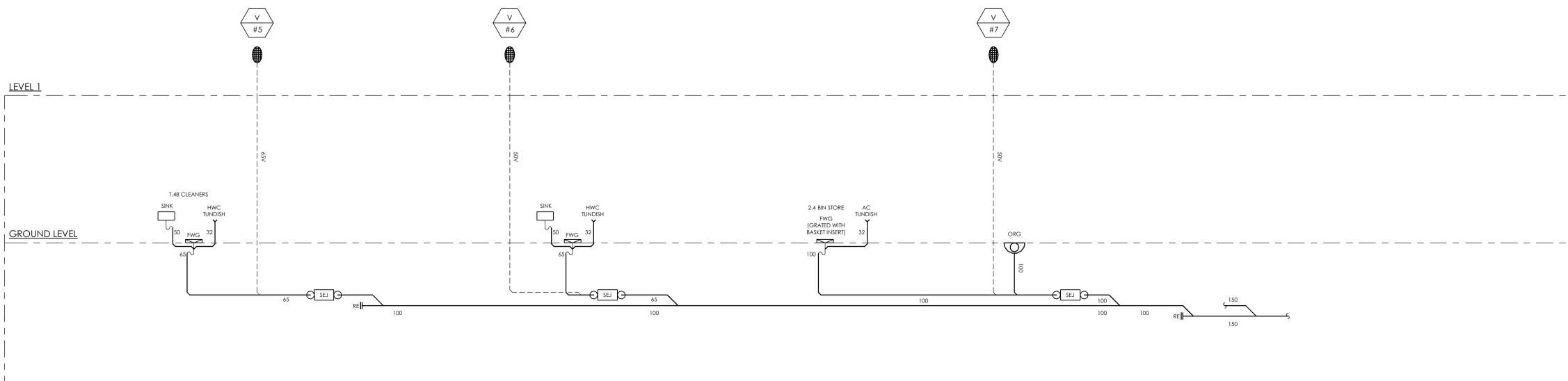




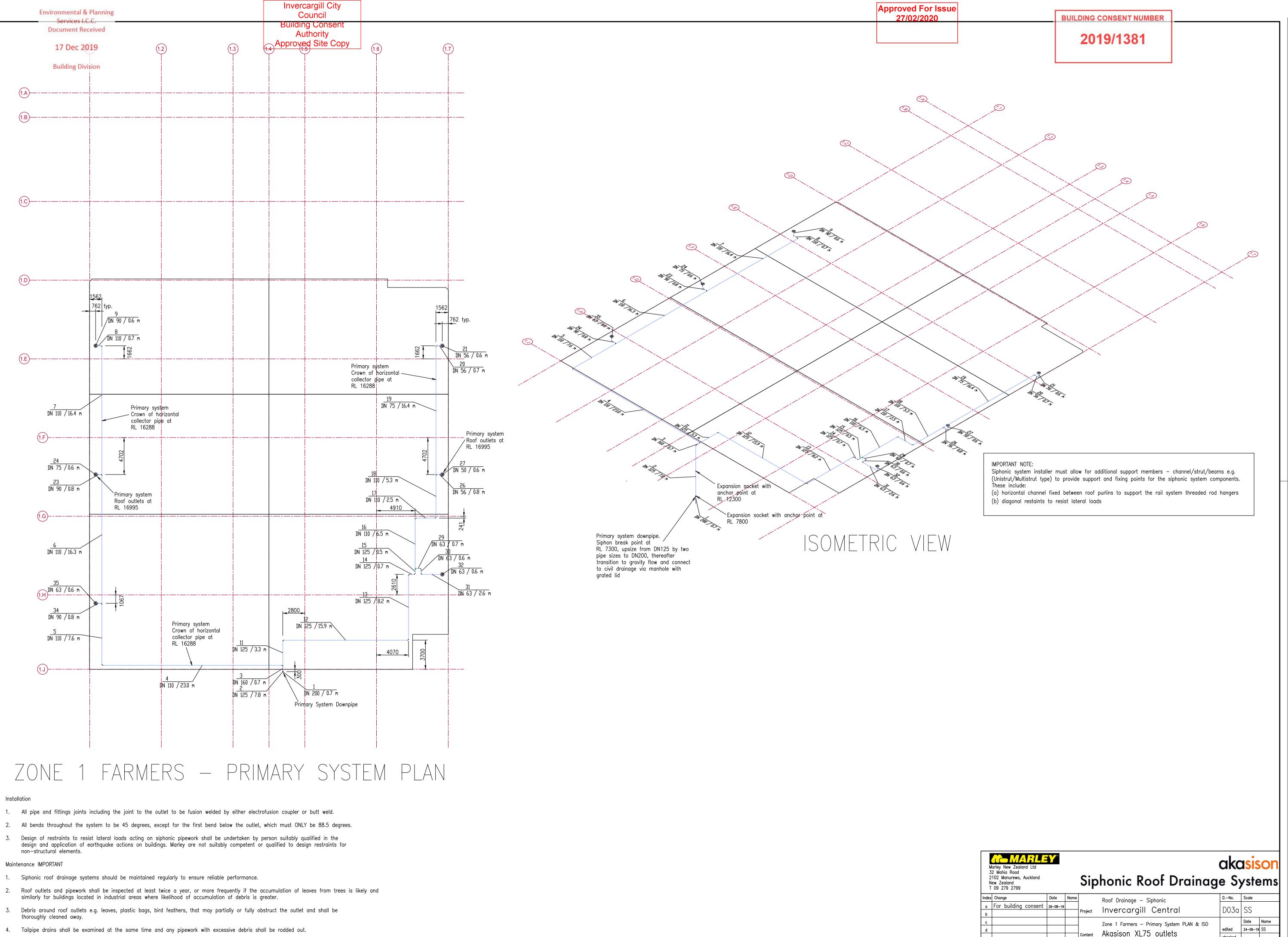
Building Division

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			DESIGNED: DRAWN: PROJECT NO SHEET NO:	KW DA RC SC	CONS TE: 11.10 ALE @ A1: 1 : 1 S180 -130).19 00 007-	ISSUE: B -1	









checked This drawing can't be duplicated or communicated to third parties without our written permissio