

REFERENCE DRAWINGS & MODELS			REV
ARCHITECTURAL	CSAL-FCBS-ZF-ZZ-M3-A-TB5_6 FACADE	P12	
	CSAL-FCBS-ZF-ZZ-M3-A-TB5_6 DETACHED	P03	
STRUCTURAL	CSAL-CUR-56-ZZ-M3-S-KK-S1	P8	
MECHANICAL	CSAL-IES-ZT-XX-DR-M-50001	P0	
	CSAL-IES-ZT-XX-DR-M-50005	P0	
	CSAL-IES-ZT-XX-DR-M-50006	P1	
	CSAL-IES-ZT-XX-DR-M-50009	P0	
	CSAL-IES-ZT-XX-DR-M-50010	P2	
	CSAL-IES-ZT-XX-DR-M-50013	P0	
	CSAL-IES-ZT-XX-DR-M-50014	P0	
	CSAL-IES-ZT-XX-DR-M-50015	P0	
	CSAL-IES-ZT-XX-DR-M-50031	P0	
	CSAL-IES-ZT-XX-DR-M-50033	P2	
ELECTRICAL	1275 - E201.1	T4	
	1275 - E201.2	T4	
	1275 - E202	T3	

GENERAL

FA	FROM ABOVE
TA	TO ABOVE
FB	FROM BELOW
TB	TO BELOW
HL	HIGH LEVEL
LL	LOW LEVEL
ML	MD LEVEL
DTLL	DRIP TO LOW LEVEL
RTLL	RISE TO HIGH LEVEL
SU	SET UP
SD	SET DOWN
FFL	FINISHED FLOOR LEVEL
SSL	STRUCTURAL SLAB LEVEL
AFPL	ABOVE FINISHED FLOOR LEVEL
IL	LEVEL TO UNDERSIDE FROM FFL
CL	LEVEL TO CENTRE FROM FFL
BOD	BOTTOM OF DUCT FROM FFL

WATER:

BCWS	BOOSTED COLD WATER SERVICE
CAT-S	BOOSTED COLD WATER SERVICE CAT-S
HWSF	HOT WATER SERVICE FLOW
HWSR	HOT WATER SERVICE RETURN
NWS	MAINS WATER SERVICE
IV	ISOLATING VALVE
DRV	DOUBLE REGULATING VALVE FOR HWS
BAL	BALANCING (ULTRA LOW FLOW TYPE)
NRV	NON RETURN VALVE
PRV	PRESSURE REDUCING VALVE
DOV	DOUBLE CHECK VALVE
DOC	DRAIN COCK
DP	TEST & DRAIN POINT
FS	FLOW SWITCH
PG	PRESSURE GAUGE
M	WATER METER

DRAINAGE:

AAV	AUTOMATIC ADMITTANCE VALVE
FG	FLOOR GULLY
RE	ROOFING EYE
RWP	RAINWATER PIPE
SS	STUB STACK
SUP	SOIL VENT PIPE
GSVP	GROUND SOIL VENT PIPE
MSVP	MEZZANINE SOIL VENT PIPE
RSVP	RETAL SOIL VENT PIPE
SWP	SOIL WASTE PIPE
VP	VENT PIPE
WP	WASTE PIPE
D	DRAINAGE
BOD	BELOW GROUND DRAINAGE
AP	ACCESS POINT
SNK	SINK
KSK	KITCHEN SINK
DW	DISH WASHER
VM	WASHING MACHINE
WHB	WASH HAND BASIN
WC	WATER CLOSET
SHR	SHOWER
BTH	BATH
1XX	FALL

MECHANICAL

LTHW F	LOW TEMPERATURE HOT WATER FLOW
LTHW R	LOW TEMPERATURE HOT WATER RETURN
RVP	VARIBLE REFRIGERANT FLOW
IV	ISOLATING VALVE
NRV	NON RETURN VALVE
DOV	DOUBLE CHECK VALVE
DPV	DIFFERENTIAL PRESSURE VALVE
DPV2	DIFFERENTIAL PRESSURE CONTROL VALVE
SPMV	3 PORT MOTORISED VALVE
FOVRV	FIXED ORIFICE DOUBLE REGULATING VALVE
PMV	2 PORT MOTORISED VALVE
PCV	PRESSURE INDEPENDENT CONTROL VALVE
STR	STRAINER
CP	ORIFICE PLATE/MEASURING STATION
CS	COMMISSIONING STATION
TP	TEST POINT
PP	PURGE POINT
TIP	GAUGES (T-TEMPERATURE, P-PRESSURE)
S	SENSOR
M	METER
FCU	FAN COIL UNIT
DAC	DRY AIR COOLER
AB	AIR BOTTLE
NC	NORMALLY CLOSED
FC	FLEXIBLE CONNECTION
DOC	DRAIN COCK
AV	AIR VENT
HE	HEAT EXCHANGER
RXX	RADIATOR
PCV	PRESSURE CONTROL VALVE
GV	GATE VALVE
PRV	PRESSURE REDUCING VALVE
AAV	AUTOMATIC AIR VENT
WETR	WET RISER
DRV	DOUBLE REGULATING VALVE
LSV	LOOKSHIELD VALVE

C03	UPDATED TO DESIGN COMMENTS	JS	IES	27.11.19	
C02	UPDATED TO DESIGN COMMENTS	JS	IES	11.11.19	
C01	Preliminary Issue	JL	SF	31.08.18	
Rev	Revision Description		DRN	CHK	Date
drawn by	drawn date	checked by	checked date	approved by	approved date
CWC	27.11.19	MM	28.03.18	MM	28.03.18

CHECK PLOT

A	OK	ready for transmittal
B	Minor Comments	needs to be actioned then ready for transmittal
C	Major Comments	needs to be actioned then returned for checking

Author:
Date:



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client approval	A Approved	client approval, initials and date
	B Approved with Comments	
	C Not Approved	



project
Circle Square
Affinity Living
drawing title
Zone: 6T Level: B1
Service: Plant Room
MCW Tank Room Layout

drawing status	For Comment	drawing date	33
scale	As indicated @ A0	project number	P070090
drawing by	CSAL-IES-6T-B1-DR-Z-516663	drawn by	CWC
checked by		project number	P070090
drawn by		drawn by	CWC
checked by		checked by	CWC
drawn by		drawn by	CWC

Contract Issue