

ELGAS STORAGE FACILITY

130 CORMORANT ROAD, KOORAGANG

HYDRAULIC SERVICES



McCALLUM PFCA

PLUMBING & FIRE CONSULTANTS AUSTRALIA

LEGEND

ABBREVIATIONS	PIPELINES	SYMBOLS	SYMBOLS
CO CLEAROUT	— EC — EC — COLD WATER - EXISTING	●	FIXTURE CONNECTION
CS CLEANERS SINK	— C — C — COLD WATER - NEW	○	PERKWORK DROPPER
ES ELECTRICITY	— H — H — HOT WATER - NEW	—	LINE CAP
FRR FLOOR WASTE	— W — W — W — TEMPERED WATER - NEW	○	WATER SUPPLY RISER
FW FLOOR WASTE	— W — W — W — TEMPERED WATER - NEW	○	WATER SUPPLY RISER
HT HAND BASIN	— RW — RW — RW — RAIN WATER - NEW	○	WATER SUPPLY RISER
IL INLET LEVEL	— ES — ES — ES — SANITARY DRAINAGE - EXISTING	○	WATER SUPPLY RISER
IS INSPECTION SHAFT	— S — S — S — SANITARY DRAINAGE - NEW	○	WATER SUPPLY RISER
K KITCHEN SINK	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER
OG OVERFLOW GULLY	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER
S/S SAFETY SHOWER	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER
TD TUNDRUSH	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER
UPVC UNPLASTICISED	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER
UR URINAL	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER
VP VENT PIPE	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER
W WATER CLOSET	— G — G — G — LP GAS SUPPLY - NEW	○	WATER SUPPLY RISER

NOTES: SANITARY DRAINAGE

- 1) ALL SANITARY DRAINAGE UNDER BUILDINGS MUST BE Laid WITH LESS THAN THE MINIMUM COVER OF 150mm UNLESS THAT EXISTING OR PREVIOUSLY Laid DRAINAGE IS SHOWN TO BE OF A DEPTH OF 150mm OR MORE.
- 2) DRAINAGE PASSING THROUGH WALLS AND FOOTINGS SHALL BE INSTALLED WITH AN ANNUAL SPACE OF 6mm FOR THE FULL DEPTH OF THE DRAINAGE.
- 3) COORDINATE THE INSTALLATION OF SANITARY SERVICES WITH OTHER SERVICES.
- 4) LOCATE, EXAMINE AND VERIFY THE SUITABILITY OF THE LEVEL OF THE EXISTING DRAINAGE PRELINE.
- 5) CONTRACTORS ARE TO ALLOW FOR ALL BENDS, OFFSETS, RISERS AND DROPPERS TO ALL OF THE PERKWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING, COORDINATED COMPLIANT INSTALLATION.
- 6) ALL HAND BASIN WASTES ARE TO BE ENCASED IN 7-10mm GRAVEL WITH DETECTABLE MARKER TAPE AND SAND Laid OVER.
- 7) ALL HAND BASIN WASTES ARE TO BE P-TRAP TYPE WITH DROPPERS CONCEALED WITHIN THE WALL.
- 8) THE MAIN SINKER CONNECTION POINT AND SHAFT IS TO BE 150mm MINIMUM COVER TO THE DRAINAGE AND TO THE REQUIREMENTS OF THE RELEVANT CODES AND AUTHORITIES. MINIMUM GRADE SHALL BE OF 1 IN 60 (1:60) OR AS OTHERWISE SPECIFIED.
- 9) ALL DRAINAGE LINES SHALL BE GRADED AND/OR DROPPED TO AVOID PENETRATING FOOTING BEAMS UNLESS SHOWN OTHERWISE. THE CONTRACTOR SHALL ALLOW FOR ADDITIONAL PIPING LENGTHS AND WORK DURING CONSTRUCTION INCLUDING ADDITIONAL INSPECTION POINTS.
- 10) PROVIDE INSPECTION POINTS IN THE SYSTEM AS REQUIRED BY AS3500.2.2 SEC. 4.7 OR AS OTHERWISE SPECIFIED.
- 11) ALL PERKWORK TO BE TESTED TO AS 3500 REQUIREMENTS.
- 12) ALL PERKWORK TO BE TESTED TO AS 3500 REQUIREMENTS.
- 13) ALL EXISTING-SINKER CONNECTIONS SHALL BE SEALED AT THE CLOSEST POINT TO THE EXISTING-SINKER CONNECTION.
- 14) ALL VENTS SHALL BE OFFSET IN THE ROOF SPACE A MINIMUM OF 600mm FROM EAVES AND BOX GUTTERS OR AS SHOWN ON DRAWINGS.
- 15) ALL VENTS SHALL BE OFFSET IN THE ROOF SPACE A MINIMUM OF 600mm FROM EAVES AND BOX GUTTERS OR AS SHOWN ON DRAWINGS.
- 16) ALL VENTS SHALL BE OFFSET IN THE ROOF SPACE A MINIMUM OF 600mm FROM EAVES AND BOX GUTTERS OR AS SHOWN ON DRAWINGS.
- 17) IN WATER CHARGED GROUND THE WATER LEVEL SHALL BE LOWERED BELOW THE PROPOSED TRENCH AND MAINTAINED AT THAT LEVEL DURING CONSTRUCTION AND BACKFILLING.

NOTES: COLD WATER

- 1) COORDINATE THE INSTALLATION OF COLD WATER SUPPLY WITH OTHER SERVICES.
- 2) PERKWORK PASSING THROUGH CONCRETE SLABS OR PATHS SHALL BE INSTALLED WITH AN ANNUAL SPACE OF 6mm FOR THE FULL DEPTH OF THE PERKWORK.
- 3) INSULATION PERKWORK IS TO BE ENCASED IN CLEAN FILL SAND WITH DETECTABLE MARKER TAPE Laid OVER.
- 4) DETECTABLE MARKER TAPE Laid OVER.
- 5) CONTRACTORS ARE TO ALLOW FOR ALL BENDS, OFFSETS, RISERS AND DROPPERS TO ALL OF THE PERKWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING, COORDINATED COMPLIANT INSTALLATION.
- 6) ALL FLOOR WASTES ARE TO BE ENCASED IN 7-10mm GRAVEL WITH DETECTABLE MARKER TAPE AND SAND Laid OVER.
- 7) ALL PERKWORK IN WALLS, DUCTS AND CEILING VOIDS WHERE REQUIRED IS TO BE TESTED TO AS 3500 REQUIREMENTS.

NOTES: GAS SERVICES

- 1) COORDINATE THE INSTALLATION OF THE GAS SUPPLY SERVICE WITH OTHER SERVICES.
- 2) ALL PERKWORK IN WALLS, DUCTS AND CEILING VOIDS WHERE REQUIRED IS TO BE TESTED TO AS 3500 REQUIREMENTS.
- 3) ALL PERKWORK IS TO BE TYPE B COPPER TUBE TO AS1432.
- 4) INSULATION PERKWORK IS TO BE ENCASED IN CLEAN FILL SAND WITH DETECTABLE MARKER TAPE Laid OVER.
- 5) CONTRACTORS ARE TO ALLOW FOR ALL BENDS, OFFSETS, RISERS AND DROPPERS TO ALL OF THE PERKWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING, COORDINATED COMPLIANT INSTALLATION.
- 6) ALL FLOOR WASTES ARE TO BE ENCASED IN 7-10mm GRAVEL WITH DETECTABLE MARKER TAPE AND SAND Laid OVER.
- 7) ALL PERKWORK IN WALLS, DUCTS AND CEILING VOIDS WHERE REQUIRED IS TO BE TESTED TO AS 3500 REQUIREMENTS.

NOTES: FIRE SERVICES

- 1) COORDINATE THE INSTALLATION OF THE FIRE SERVICES WITH OTHER SERVICES.
- 2) ALL PERKWORK IS TO BE TYPE B COPPER TUBE TO AS1432.
- 3) INSULATION PERKWORK IS TO BE ENCASED IN CLEAN FILL SAND WITH DETECTABLE MARKER TAPE Laid OVER.
- 4) DETECTABLE MARKER TAPE Laid OVER.
- 5) CONTRACTORS ARE TO ALLOW FOR ALL BENDS, OFFSETS, RISERS AND DROPPERS TO ALL OF THE PERKWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING, COORDINATED COMPLIANT INSTALLATION.
- 6) ALL FLOOR WASTES ARE TO BE ENCASED IN 7-10mm GRAVEL WITH DETECTABLE MARKER TAPE AND SAND Laid OVER.
- 7) ALL PERKWORK IN WALLS, DUCTS AND CEILING VOIDS WHERE REQUIRED IS TO BE TESTED TO AS 3500 REQUIREMENTS.

NOTE: THE ENTIRE PLUMBING INSTALLATION IS TO COMPLY WITH THE FULL REQUIREMENTS OF THE LOCAL REGULATORY AUTHORITY, AS3500 AND THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA.

NOTE: THE PLUMBING CONTRACTOR MUST VISIT THE EXISTING BUILDING PRIOR TO ORDER TO IDENTIFY ALL EXISTING PLUMBING SERVICES, CONDITIONS AND MAKE THE NECESSARY ALLOWANCE FOR SUCH IN THE TENDER.

NOTE: THE TENDERER MUST READ THIS DRAWING IN CONJUNCTION WITH THE PROJECT DRAWINGS FROM THE ARCHITECT.

NOTE: THE NOMINAL SIZES OF PIPELINES NOTED ON THE DRAWINGS ARE BASED ON STANDARD COPPER PIPE SIZES. THE TENDERER MUST BE AWARE OF AN ALTERNATIVE PIPELINE MATERIAL BEING ACCEPTED BY THE SUPERINTENDENT. IT IS THE PLUMBING CONTRACTORS RESPONSIBILITY TO ENSURE THAT AN EQUIVALENT INTERNAL PIPELINE BORE IS INSTALLED IN ACCORDANCE WITH APPENDIX J OF AS 3500.1.



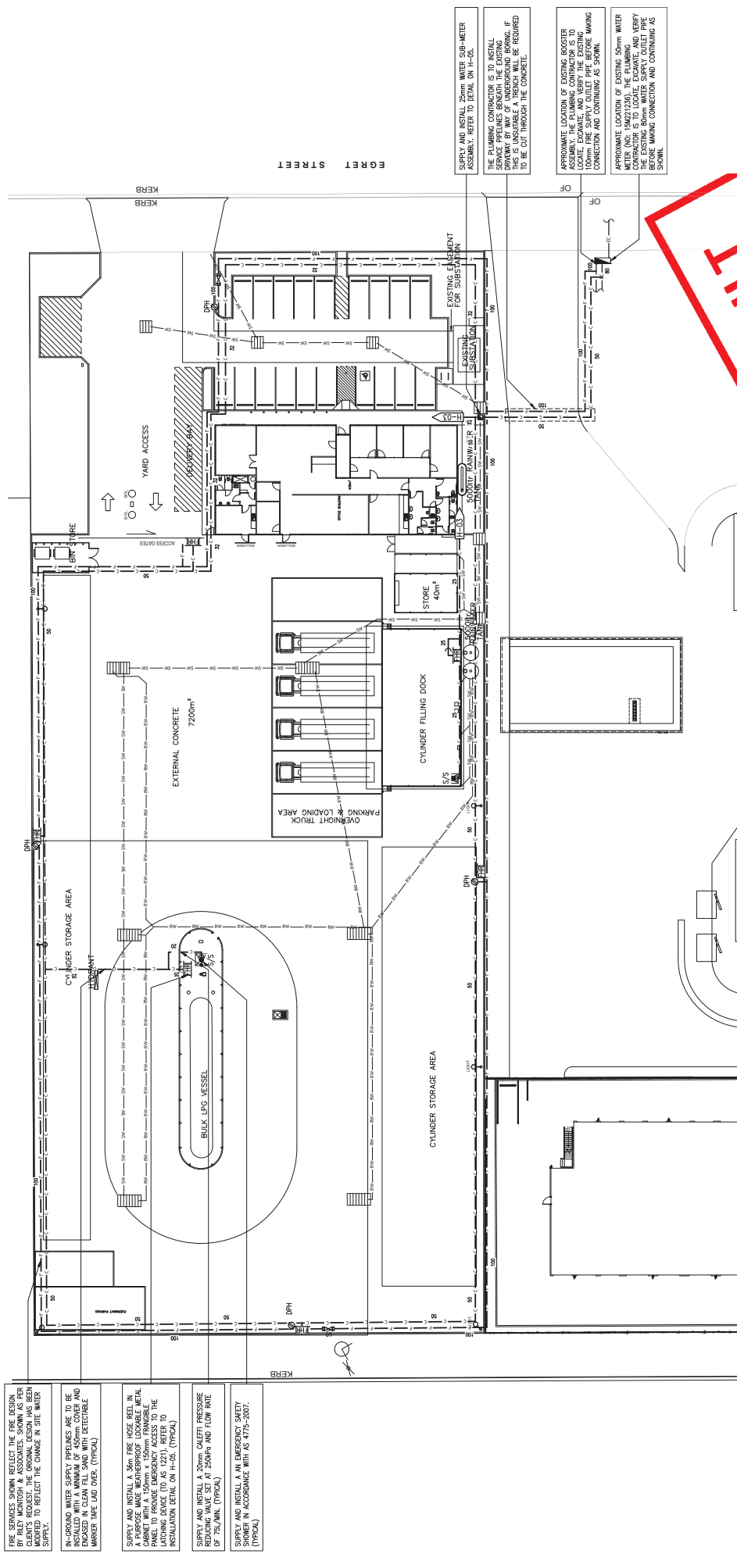
REV	DATE	DESCRIPTION
3	19/12/19	REVISED FOR APPROVAL
2	13/12/19	FOR APPROVAL
1	02/09/19	PRELIMINARY

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Rev	Scale	Job No.	FOR APPROVAL	Rev
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ELGAS STORAGE FACILITY 130 CORMORANT ROAD, KOORAGANG TITLE, LEGEND AND NOTES SHEET			H-01	

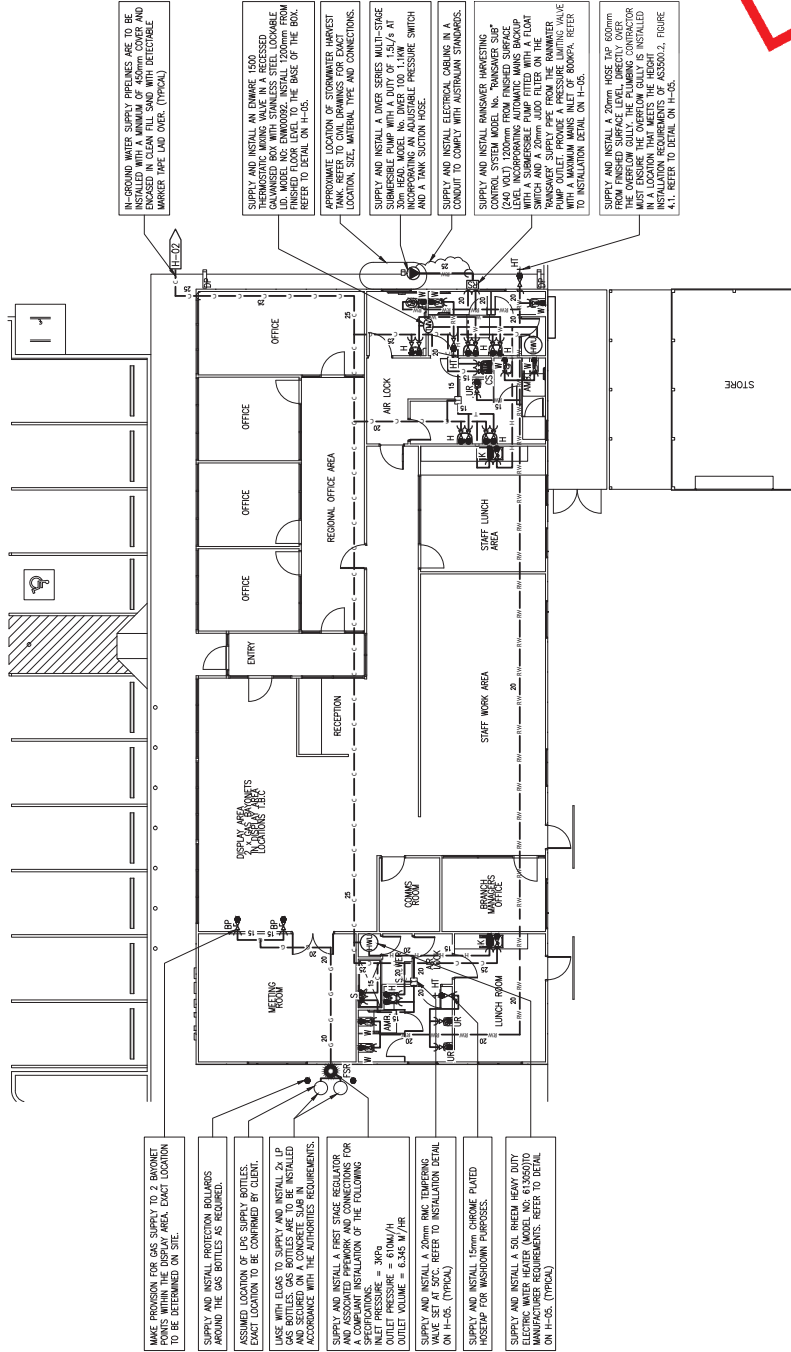
NOTE: THE ENTIRE PLUMBING INSTALLATION IS TO COMPLY WITH THE FULL REQUIREMENTS OF THE LOCAL REGULATORY AUTHORITY, A.S.3500, AND THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA.



AS-BUILT

1:250 @A1		25M	10M	5M	2.5M	1.25M	0.625M
THE DRAWING ISSUED IS INFORMATIONAL, DO NOT SCALE. USE PROVIDED DIMENSIONS TO LOCATE AND IDENTIFY THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. THE PLUMBING CONTRACTOR IS TO INSTALL SERVICE PIPES IN ACCORDANCE WITH THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. THE PLUMBING CONTRACTOR IS TO INSTALL SERVICE PIPES IN ACCORDANCE WITH THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. THE PLUMBING CONTRACTOR IS TO INSTALL SERVICE PIPES IN ACCORDANCE WITH THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. THE PLUMBING CONTRACTOR IS TO INSTALL SERVICE PIPES IN ACCORDANCE WITH THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. THE PLUMBING CONTRACTOR IS TO INSTALL SERVICE PIPES IN ACCORDANCE WITH THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. THE PLUMBING CONTRACTOR IS TO INSTALL SERVICE PIPES IN ACCORDANCE WITH THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. THE PLUMBING CONTRACTOR IS TO INSTALL SERVICE PIPES IN ACCORDANCE WITH THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA. 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AS-BUILT

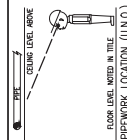
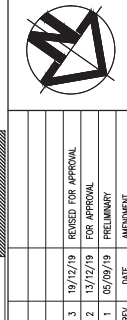
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SM

10M

15M

REV	DATE	DESCRIPTION
1	02/09/19	PRELIMINARY
2	12/12/19	FOR APPROVAL
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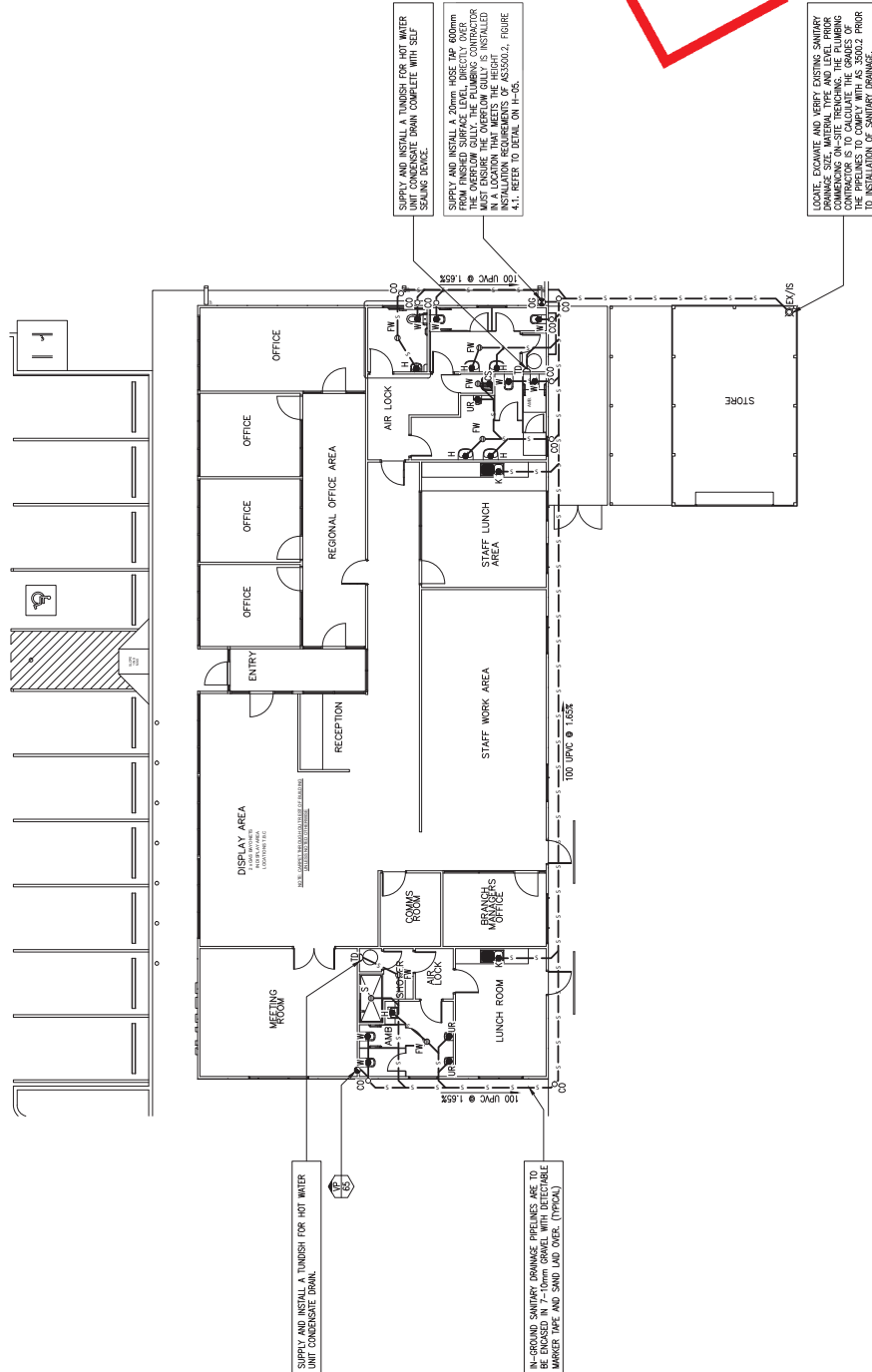
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McCALLUM PFCA
PLUMBING & FIRE CONSULTANTS AUSTRALIA
PO Box 46, Queensland KRM 2260
5/2 Creek, Suburbation
we see the big, we do the rest

ARCHITECT: BROWN COMMERCIAL BUILDING
CLIENT: ELGAS STORAGE FACILITY
PROJECT: 130 CORMORANT ROAD, KOORANG
SITE & GROUND FLOOR - WATER SUPPLY

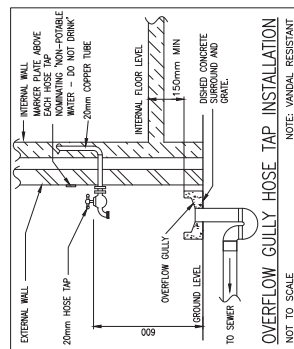
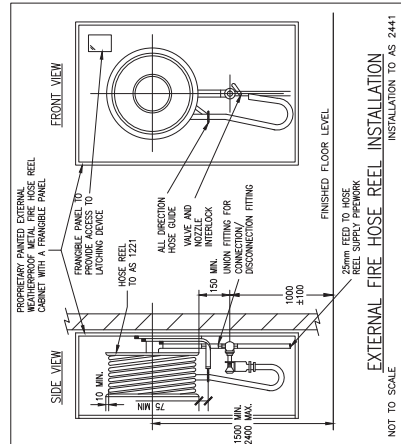
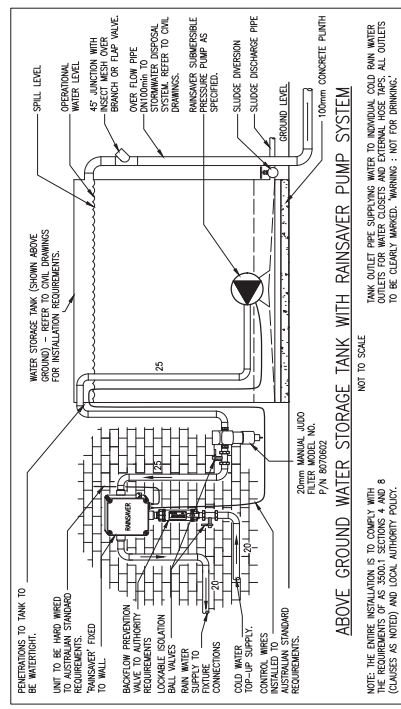
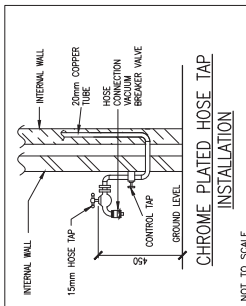
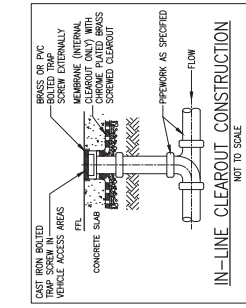
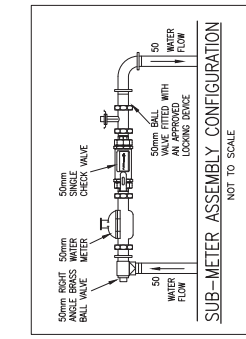
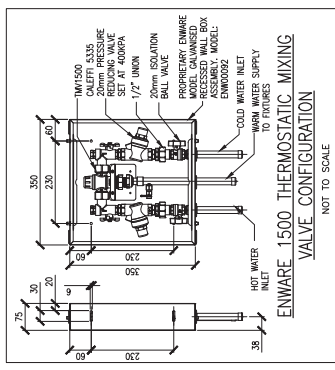
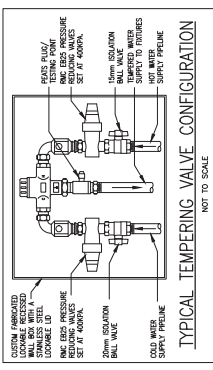
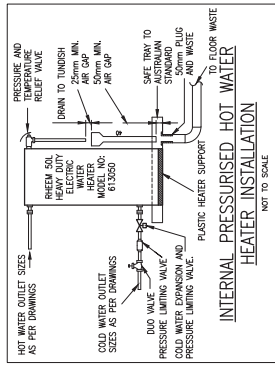
Drawn	Design	Scale	Job No.	Size
M. PRIETO	B. McCALLUM	1:100	3826-419C	A1
Approved	R. McCALLUM			No. in Set
				5
				Revision
				3

AS-BUILT

[illegible]

NOTE: THE ENTIRE PLUMBING INSTALLATION IS TO COMPLY WITH THE FULL REQUIREMENTS OF THE LOCAL REGULATORY AUTHORITY, A.S.3500 AND THE PLUMBING AND THE BUILDING CODES OF AUSTRALIA.

AS-BUILT



LOCAL WATER SUPPLY IS DIAGRAMATIC BY REF SCALE. USE RAISED DIMENSIONS ONLY. REFER TO ARCHITECTURAL DRAWINGS WHERE THE DIMENSIONS ARE TO BE USED IN CONJUNCTION WITH ALL OTHERS. THE DIMENSIONS ARE TO BE USED IN CONJUNCTION WITH ALL OTHERS. THE DIMENSIONS ARE TO BE USED IN CONJUNCTION WITH ALL OTHERS. THE DIMENSIONS ARE TO BE USED IN CONJUNCTION WITH ALL OTHERS.

REV	DATE	DESCRIPTION
3	19/12/19	REVISED FOR APPROVAL
2	13/12/19	FOR APPROVAL
1	02/09/19	PRELIMINARY

McCALLUM PFCA
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5/11 Creek Suburb
www.brownbuilding.com.au

Drawn	M. PRIETO	FOR APPROVAL	Scale	Job No.	3826-419C	Rev	5
Design	B. McCALLUM	N.T.S.					
Approved	R. McCALLUM	H-05					
Project	ELGAS STORAGE FACILITY						
Detail	130 CORMORANT ROAD, KOORAGANG						
Revision							3