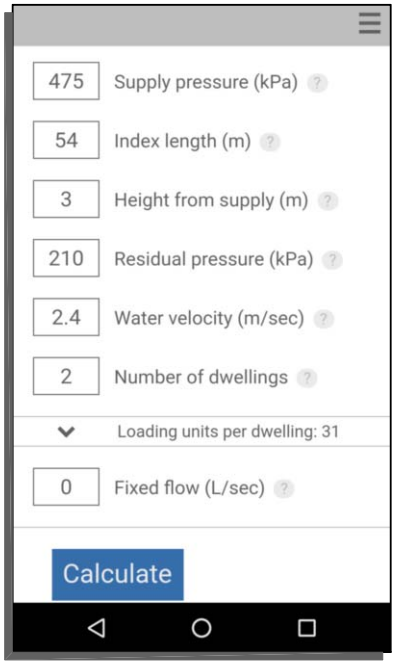
CALCULATE THE MAIN SUPPLY FOR MULTIPLE UNITS

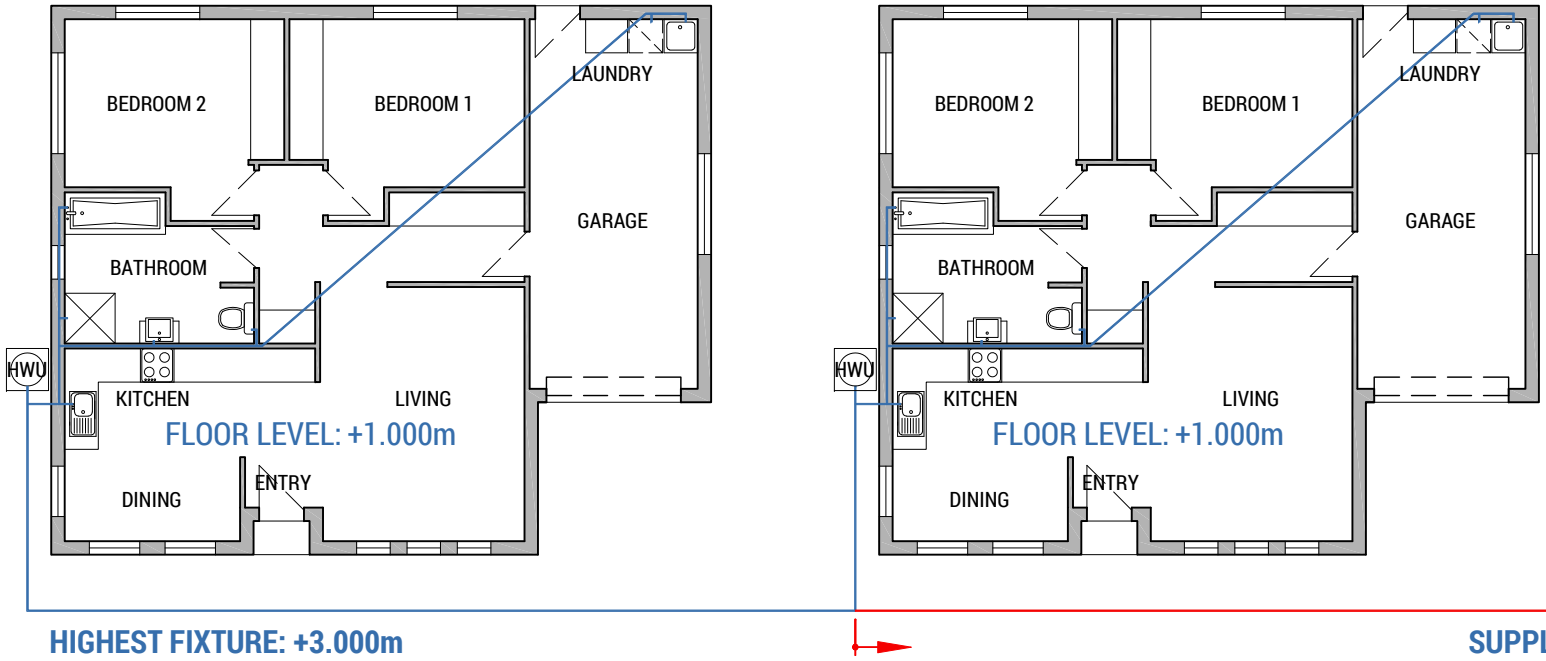
AGS INDUSTRY
Water Pipe Calculator

STEP 1:
Enter the Supply pressure, Index length of Unit 2, Height from supply and Number of dwellings.



UNIT 2
INDEX LENGTH: 54m
TOTAL LENGTH TO MOST DISADVANTAGED FIXTURE
(IN THIS CASE THE LAUNDRY TROUGH)

UNIT 1



HIGHEST FIXTURE: +3.000m
(IN THIS CASE SHOWER)

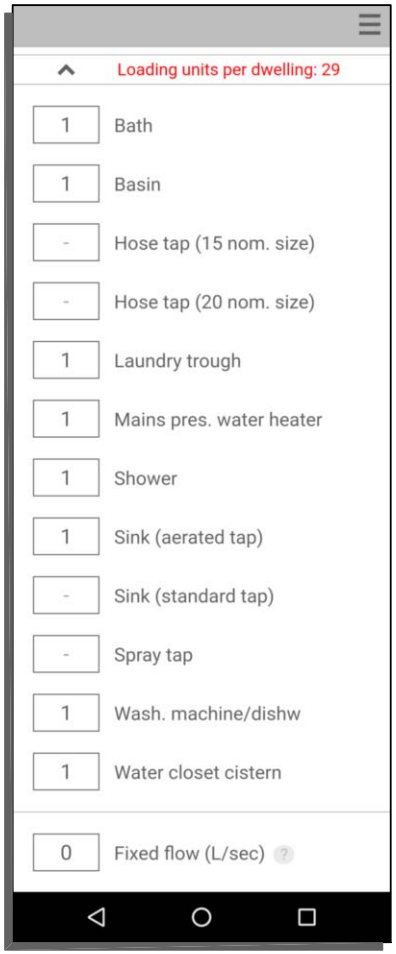
SUPPLY POINT
PRESSURE: 475kPa
DATUM LEVEL: 0.000m

NOTE: Pipe sizes calculated are minimum sizes, the designer shall reference AS3500.1-2015 Section 3.5 to ensure compliance.

CALCULATE THE MAIN SUPPLY FOR MULTIPLE UNITS

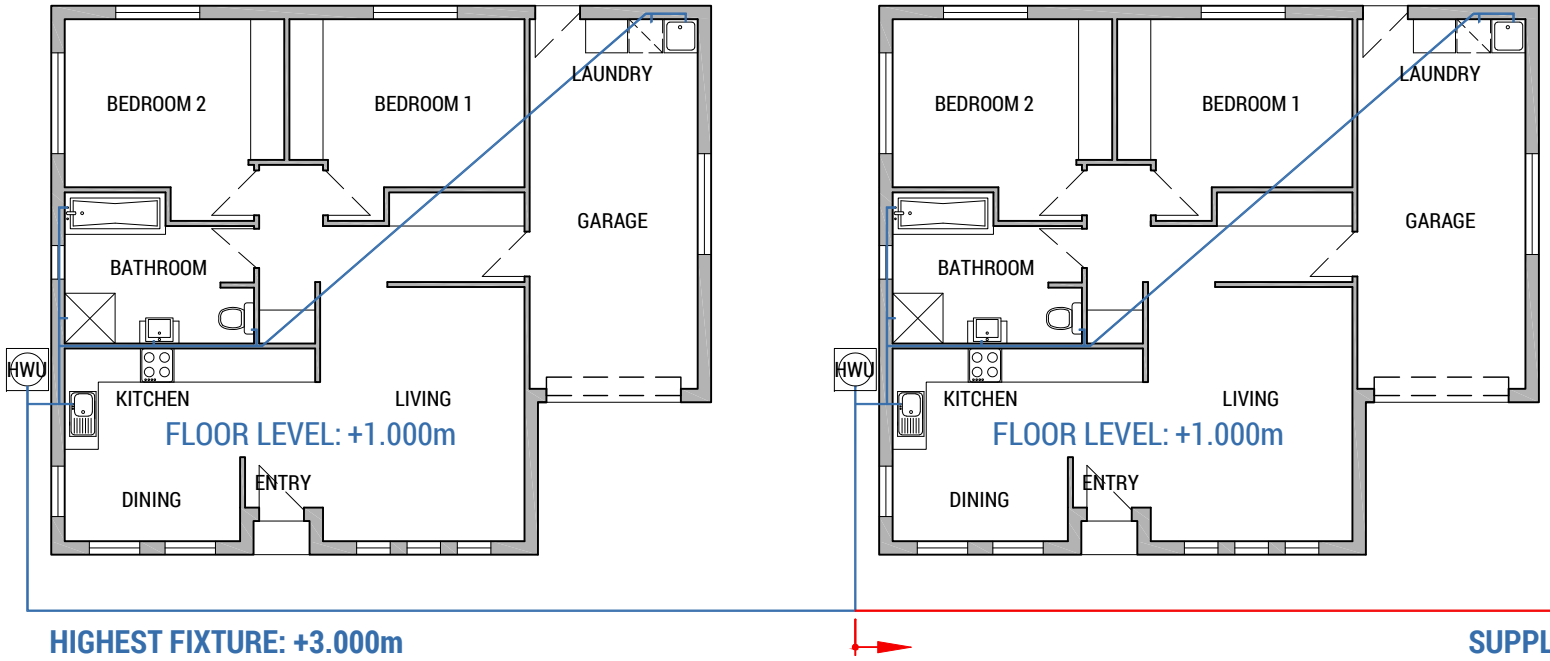
AGS INDUSTRY
Water Pipe Calculator

STEP 2:
Enter the number of fixtures.
(This step is optional but may lead to undersized pipework. If no loading units are entered the calculator will default to 31 per AS3500.1:2015.)



UNIT 2
INDEX LENGTH: 54m
TOTAL LENGTH TO MOST DISADVANTAGED FIXTURE
(IN THIS CASE THE LAUNDRY TROUGH)

UNIT 1



HIGHEST FIXTURE: +3.000m
(IN THIS CASE SHOWER)

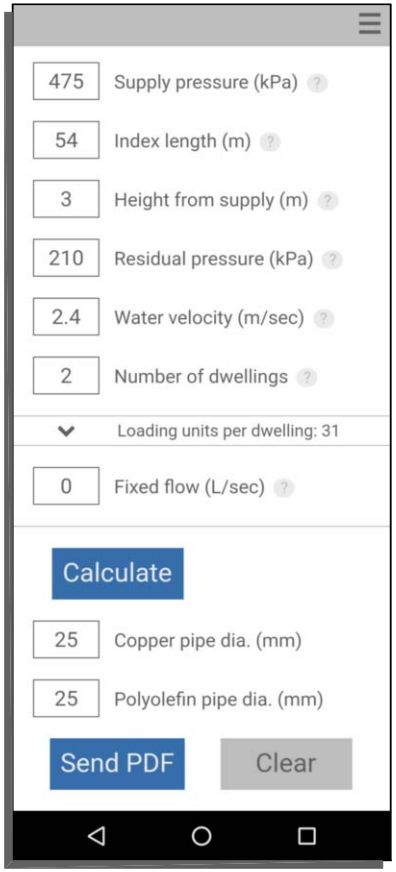
SUPPLY POINT
PRESSURE: 475kPa
DATUM LEVEL: 0.000m

NOTE: Pipe sizes calculated are minimum sizes, the designer shall reference AS3500.1-2015 Section 3.5 to ensure compliance.

CALCULATE THE MAIN SUPPLY FOR MULTIPLE UNITS

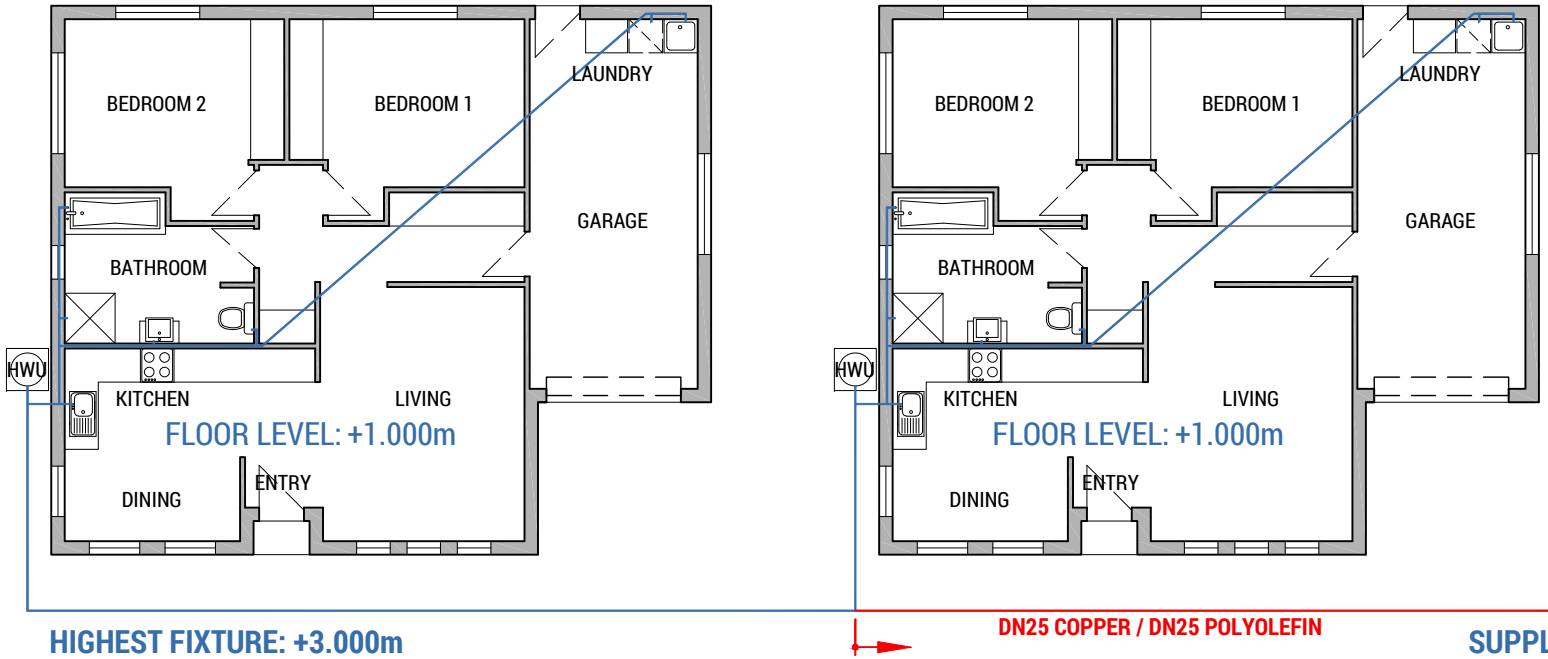
AGS INDUSTRY
Water Pipe Calculator

STEP 3:
Calculate main to Unit 1.
(Loading unit total from Step 2 was less than 31 so the calculator was reset for compliance with AS3500.1.)



UNIT 2
INDEX LENGTH: 54m
TOTAL LENGTH TO MOST DISADVANTAGED FIXTURE
(IN THIS CASE THE LAUNDRY TROUGH)

UNIT 1



DN25 COPPER / DN25 POLYOLEFIN

HIGHEST FIXTURE: +3.000m
(IN THIS CASE SHOWER)

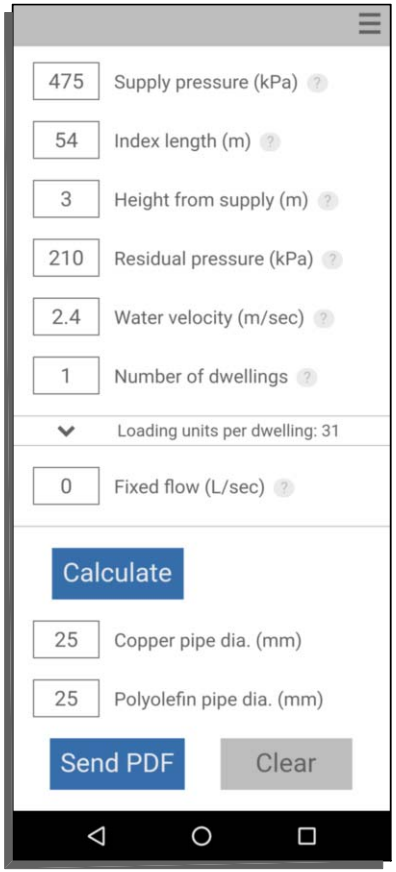
SUPPLY POINT
PRESSURE: 475kPa
DATUM LEVEL: 0.000m

NOTE: Pipe sizes calculated are minimum sizes, the designer shall reference AS3500.1-2015 Section 3.5 to ensure compliance.

CALCULATE THE MAIN SUPPLY FOR MULTIPLE UNITS

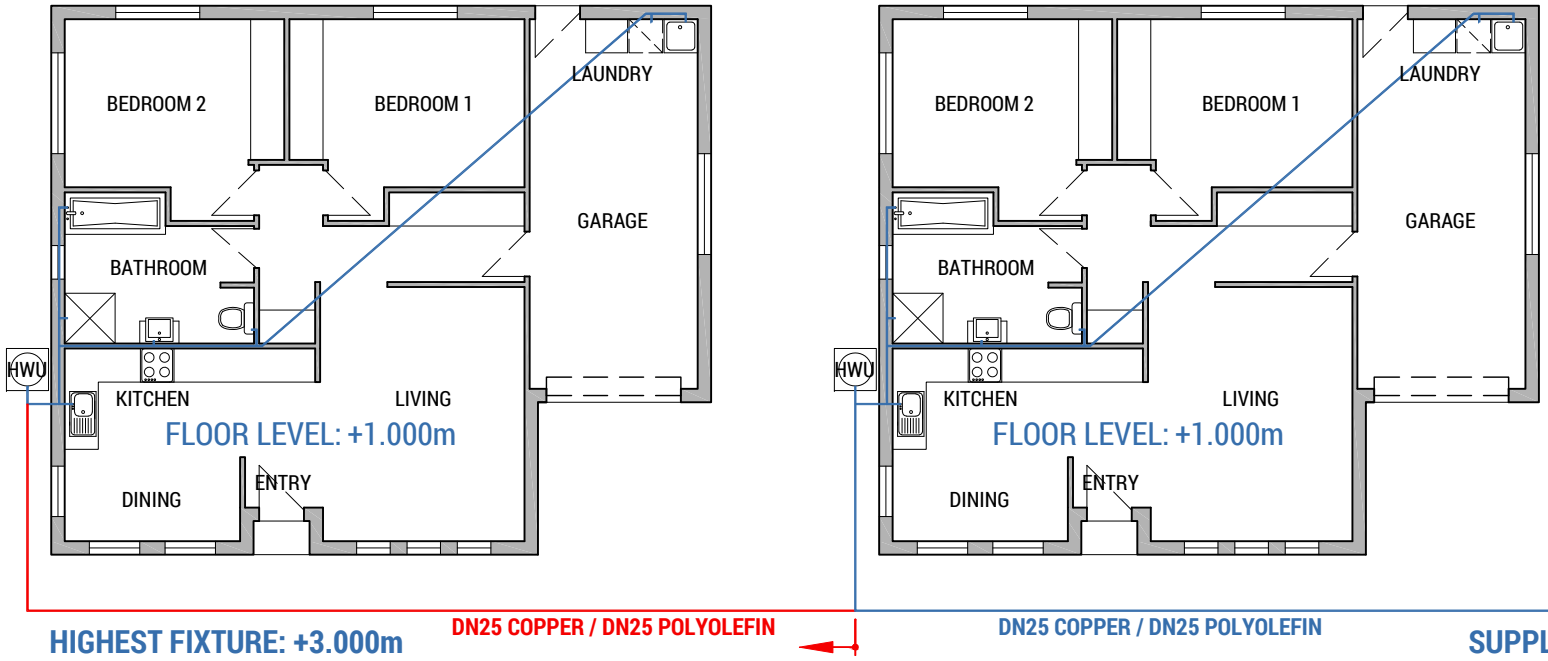
AGS INDUSTRY
Water Pipe Calculator

STEP 4:
Calculate main to Unit 2.



UNIT 2
INDEX LENGTH: 54m
TOTAL LENGTH TO MOST
DISADVANTAGED FIXTURE
(IN THIS CASE THE LAUNDRY TROUGH)

UNIT 1



DN25 COPPER / DN25 POLYOLEFIN

DN25 COPPER / DN25 POLYOLEFIN

HIGHEST FIXTURE: +3.000m
(IN THIS CASE SHOWER)

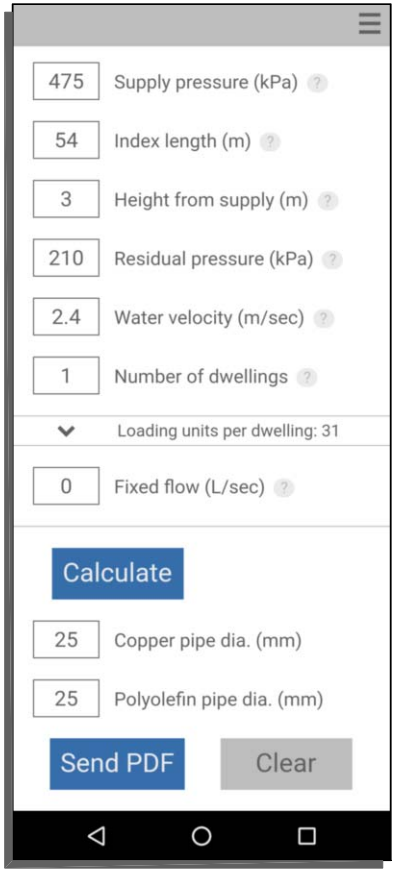
SUPPLY POINT
PRESSURE: 475kPa
DATUM LEVEL: 0.000m

NOTE: Pipe sizes calculated are minimum sizes, the designer shall reference AS3500.1-2015 Section 3.5 to ensure compliance.

CALCULATE THE MAIN SUPPLY FOR MULTIPLE UNITS

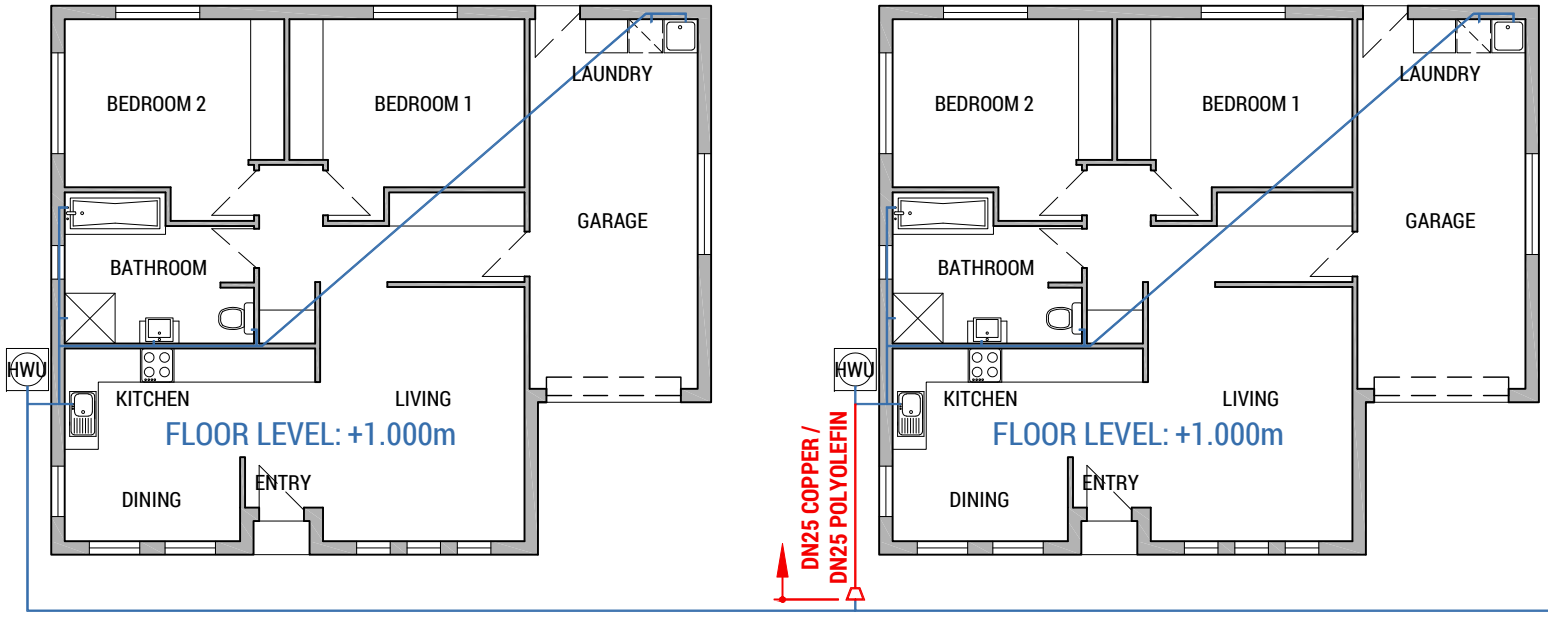
AGS INDUSTRY
Water Pipe Calculator

STEP 5:
In this example the supply for Unit 1 matches that for Unit 2.



UNIT 2
INDEX LENGTH: 54m
TOTAL LENGTH TO MOST DISADVANTAGED FIXTURE
(IN THIS CASE THE LAUNDRY TROUGH)

UNIT 1



HIGHEST FIXTURE: +3.000m
(IN THIS CASE SHOWER)

SUPPLY POINT
PRESSURE: 475kPa
DATUM LEVEL: 0.000m

NOTE: Pipe sizes calculated are minimum sizes, the designer shall reference AS3500.1-2015 Section 3.5 to ensure compliance.