



CERTIFIED TEST, ADJUST AND BALANCE REPORT

REPORT NO. 7968.D

PROJECT

Assisi Age Care Bld & Retirement
Accommodation Stage 3
Rosanna rd
Rosanna Vic

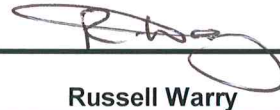
CLIENT:

JBK Industries Pty Ltd
P.O Box 5126
Mordialloc
Vic 3195

DESIGN ENGINEER

DATE: 20/08/2014

SIGNED:



Russell Warry



CERTIFICATION

PROJECT

Assisi Age Care Bld & Retirement Accommodation Stage 3

THE DATA PRESENTED IN THIS REPORT IS A RECORD OF SYSTEM MEASUREMENTS AND FINAL ADJUSTMENTS THAT HAVE BEEN OBTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE NEBB *PROCEDURAL STANDARDS FOR TESTING, ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS*. ANY VARIANCES FROM DESIGN QUANTITIES, WHICH EXCEED NEBB TOLERANCES, ARE NOTED IN THE TEST-ADJUST-BALANCE REPORT PROJECT SUMMARY.

SUBMITTED & CERTIFIED BY:

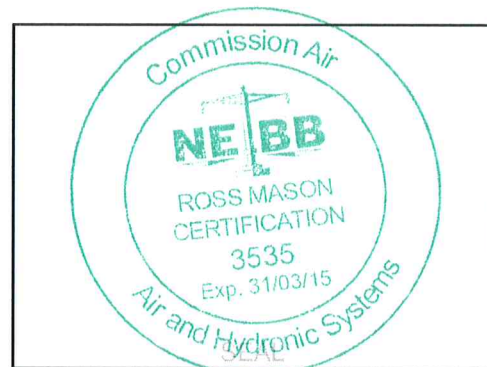
Ross Mason

NEBB CERTIFIED TAB FIRM NAME

Commission Air

CERTIFICATION NO. 3535 CERTIFICATION EXPIRATION DATE 13/03/2015

REPORT DATE 30/06/2014



NEBB QUALIFIED TAB SUPERVISOR NAME

Ross Mason

NEBB QUALIFIED TAB SUPERVISOR

SIGNATURE

TEST SHEET - OUTLET

| | | | |
|-----------------|---|------------------|------|
| CONTRACT NO: | 7968.D | | |
| PROJECT NAME: | Assisi Aged Care Bld & Retirement Accomodation Stage 3 | | |
| DATE OF TEST | 17/06/2014,20/06/2014,27/06/2014 , 23/07/2014 ,19/08/2014 | | |
| SYSTEM | A/C - 39, A/C - 41, A/C - 42, A/C - 43 . | | |
| INSTRUMENT USED | ADM860 Flowhood / Anemometer | | |
| INSTRUMENT S/N | M01267/57258002 | DUCT SKETCH DWG. | M001 |

[illegible]

NOTES:

Tested by:

P.E / S.M

Checked by:

R.W

TEST SHEET - OUTLET

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|------------------|--|
| CONTRACT NO: | 7968.D |
| PROJECT NAME: | Assisi Aged Care Bld & Retirement Accomodation Stage 3 |
| DATE OF TEST | 17/06/2014,20/06/2014,27/06/2014 |
| SYSTEM | A/C - 48 , A/C - 50 , A/C - 53 |
| INSTRUMENT USED | ADM860 Flowhood / Anemometer |
| INSTRUMENT S/N | M01267/57258002 |
| DUCT SKETCH DWG. | M001 |

| LOCATION | NO. | TYPE | SIZE mm | AREA m ² | Grille Factor | Flow Factor | DESIGN | | Prelim Readg's | | FINAL | | REMARKS |
|----------|-----|------|---------|---------------------|---------------|-------------|---------|----------|----------------|----------|---------|----------|-----------|
| | | | | | | | Vel m/s | Flow L/s | Vel m/s | Flow L/s | Vel m/s | Flow L/s | |
| A/C - 48 | 10 | S/W | 580x280 | 0.162 | 0.85 | 0.138 | 1.45 | 200 | | | 1.90 | 262 | |
| | 11 | S/W | 580x280 | 0.162 | 0.85 | 0.138 | 0.94 | 130 | | | 1.62 | 224 | |
| | 12 | S/W | 580x280 | 0.162 | 0.85 | 0.138 | 0.94 | 130 | | | 1.58 | 218 | |
| | 13 | S/W | 580x280 | 0.162 | 0.85 | 0.138 | 1.45 | 200 | | | 1.86 | 257 | |
| | 14 | S/W | 580x280 | 0.162 | 0.85 | 0.138 | 1.09 | 150 | | | 2.01 | 277 | |
| | 15A | S/W | 580x280 | 0.162 | 0.85 | 0.138 | 1.09 | 150 | | | 2.20 | 304 | |
| | 15B | C/D | 600x600 | | | Hood | | 130 | | | | 92 | |
| | | | | | | | | 1090 | | | | 1634 | # |
| A/C - 50 | 3 | C/D | 600x600 | | | Hood | | 120 | | | | 134 | ## |
| | 4 | C/D | 600x600 | | | Hood | | 120 | | | | 173 | |
| | 5 | C/D | 600x600 | | | Hood | | 170 | | | | 188 | |
| | 6 | C/D | 600x600 | | | Hood | | 120 | | | | 171 | |
| | 7 | C/D | 600x600 | | | Hood | | 120 | | | | 198 | |
| | 8 | C/D | 600x600 | | | Hood | | 170 | | | | 152 | |
| | 9 | C/D | 600x600 | | | Hood | | 55 | | | | 111 | Low Speed |
| | | | | | | | | 875 | | | | 1127 | |
| A/C - 53 | 32 | C/D | 600x600 | | | Hood | | 175 | | | | 215 | |
| | 33 | C/D | 600x600 | | | Hood | | 175 | | | | 219 | |
| | 34 | S/W | 385x135 | 0.052 | 0.85 | 0.044 | 3.41 | 150 | | | 4.56 | 201 | |
| | 35 | S/W | 385x135 | 0.052 | 0.85 | 0.044 | 3.41 | 150 | | | 4.58 | 202 | |
| | 36 | S/W | 385x135 | 0.052 | 0.85 | 0.044 | 3.41 | 150 | | | 4.47 | 197 | |
| | | | | | | | | 800 | | | | 1034 | Low Speed |
| | | | | | | | | | | | | | |

NOTES: A/C-50 Low speed, unable to adjust plastic v dampers due to,too much air pressure dampers keep closing. Outside air flex ripped

A/C-48 250 Air Leakage thru Plastic O/B Dampers closing due to much Pressure in S/A System

Tested by:

P.E / S.M

Checked by:

R.W

TEST SHEET - OUTLET

| | | | |
|-----------------|--|------------------|------|
| CONTRACT NO: | 7968.D | | |
| PROJECT NAME: | Assisi Aged Care Bld & Retirement Accomodation Stage 3 | | |
| DATE OF TEST | 17/06/2014,20/06/2014,27/06/2014 , 23/07/2014 | | |
| SYSTEM | Exhaust Systems- EF-21, EF - 24 , EF - 25 , EF - 26 | | |
| INSTRUMENT USED | Anemometer , Hood 1 | | |
| INSTRUMENT S/N | 57258002 | DUCT SKETCH DWG. | M001 |

| LOCATION | NO. | TYPE | SIZE mm | AREA m ² | Grille Factor | Flow Factor | DESIGN | | Prelim Readg's | | FINAL | | REMARKS |
|----------|-----|------|---------|---------------------|---------------|-------------|---------|----------|----------------|----------|---------|----------|-------------|
| | | | | | | | Vel m/s | Flow L/s | Vel m/s | Flow L/s | Vel m/s | Flow L/s | |
| EF-21 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 3.00 | 90 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.98 | 89 | |
| | | | | | | | | 150 | | | | 179 | |
| EF-24 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 1.50 | 45 | | | 1.00 | 30 | Toilet |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 2.00 | 60 | | | 1.11 | 33 | Shower |
| | 3 | E/G | 200x200 | Hood 1 | | 0.030 | 2.67 | 80 | | | 1.70 | 51 | Change Area |
| | | | | | | | | 185 | | | | 114 | |
| EF-25 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 1.83 | 55 | | | 2.00 | 60 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 1.17 | 35 | | | 1.30 | 39 | |
| | 3 | E/G | 200x200 | Hood 1 | | 0.030 | 1.33 | 40 | | | 1.50 | 45 | |
| | 4 | E/G | 230x230 | 0.053 | 0.90 | 0.048 | 2.94 | 140 | | | 3.26 | 156 | |
| | | | | | | | | 270 | | | | 300 | |
| EF-26 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.51 | 75 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.57 | 77 | |
| | 3 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.53 | 76 | |
| | 4 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.50 | 75 | |
| | 5 | E/G | 200x200 | Hood 1 | | 0.030 | 1.50 | 45 | | | 1.51 | 45 | |
| | 6 | E/G | 200x200 | Hood 1 | | 0.300 | 2.00 | 60 | | | 2.21 | 66 | |
| | | | | | | | | 405 | | | | 414 | |
| | | | | | | | | | | | | | |
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NOTES:

Tested by:

P.E / S.M

Checked by:

R.W

TEST SHEET - OUTLET

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|-----------------|--|------------------|------|
| CONTRACT NO: | 7968.D | | |
| PROJECT NAME: | Assisi Aged Care Bld & Retirement Accomodation Stage 3 | | |
| DATE OF TEST | 17/06/2014,20/06/2014,27/06/2014 | | |
| SYSTEM | Exhaust Systems, EF - 27 , EF - 28 , EF - 29. | | |
| INSTRUMENT USED | ADM860 Flowhood / Anemometer | | |
| INSTRUMENT S/N | 99070282 | DUCT SKETCH DWG. | M001 |

| LOCATION | NO. | TYPE | SIZE mm | AREA m ² | Grille Factor | Flow Factor | DESIGN | | Prelim Readg's | | FINAL | | REMARKS |
|----------|-----|------|---------|---------------------|---------------|-------------|---------|----------|----------------|----------|---------|----------|---------|
| | | | | | | | Vel m/s | Flow L/s | Vel m/s | Flow L/s | Vel m/s | Flow L/s | |
| EF-27 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.00 | 60 | | | 2.10 | 63 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 4.00 | 120 | | | 4.07 | 122 | |
| | | | | | | | | 180 | | | | 185 | |
| EF-28 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.84 | 85 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.85 | 86 | |
| | 3 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.87 | 86 | |
| | 4 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.89 | 87 | |
| | 5 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.86 | 86 | |
| | 6 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.68 | 80 | |
| | | | | | | | | 450 | | | | 510 | |
| EF-29 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.63 | 79 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.57 | 77 | |
| | 3 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.71 | 81 | |
| | 4 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.68 | 80 | |
| | 5 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.53 | 76 | |
| | 6 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.57 | 77 | |
| | 7 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.65 | 80 | |
| | 8 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.68 | 80 | |
| | 9 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.72 | 82 | |
| | 10 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.58 | 77 | |
| | 11 | E/G | 200x200 | Hood 1 | | 0.030 | 1.33 | 40 | | | 1.42 | 43 | |
| | | | | | | | | 790 | | | | 832 | |

NOTES:

Tested by:

P.E / S.M

Checked by:

R.W

TEST SHEET - OUTLET

| | | | |
|-----------------|--|------------------|------|
| CONTRACT NO: | 7968.D | | |
| PROJECT NAME: | Assisi Aged Care Bld & Retirement Accomodation Stage 3 | | |
| DATE OF TEST | 17/06/2014,20/06/2014,27/06/2014 | | |
| SYSTEM | Exhaust Systems, EF - 32 , EF - 34 , EF - 35 , EF - 36 | | |
| INSTRUMENT USED | ADM860 Flowhood / Anemometer | | |
| INSTRUMENT S/N | 99070282 | DUCT SKETCH DWG. | M001 |

| LOCATION | NO. | TYPE | SIZE mm | AREA m ² | Grille Factor | Flow Factor | DESIGN | | Prelim Readg's | | FINAL | | REMARKS |
|----------|-----|------|---------|---------------------|---------------|-------------|---------|----------|----------------|----------|---------|----------|---------|
| | | | | | | | Vel m/s | Flow L/s | Vel m/s | Flow L/s | Vel m/s | Flow L/s | |
| EF-32 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.40 | 72 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.58 | 77 | |
| | 3 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.51 | 75 | |
| | 4 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.60 | 78 | |
| | 5 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.58 | 77 | |
| | 6 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.52 | 76 | |
| | 7 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.58 | 77 | |
| | 8 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.55 | 77 | |
| | 9 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.52 | 76 | |
| | 10 | E/G | 200x200 | Hood 1 | | 0.030 | 2.50 | 75 | | | 2.50 | 75 | |
| | 11 | E/G | 200x200 | Hood 1 | | 0.030 | 1.67 | 50 | | | 1.75 | 53 | |
| | | | | | | | | 800 | | | | 813 | |
| EF-34 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 1.33 | 40 | | | 2.00 | 60 | |
| | 2 | E/G | 200x200 | Hood 1 | | 0.030 | 1.17 | 35 | | | 1.50 | 45 | |
| | 3 | E/G | 200x200 | Hood 1 | | 0.030 | 1.83 | 55 | | | 2.66 | 80 | |
| | | | | | | | | 130 | | | | 185 | |
| EF-35 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.00 | 60 | | | 2.25 | 68 | |
| | | | | | | | | | | | | | |
| EF-36 | 1 | E/G | 200x200 | Hood 1 | | 0.030 | 2.00 | 60 | | | 2.20 | 66 | |
| | | | | | | | | | | | | | |
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NOTES:

Tested by:

P.E / S.M

Checked by:

R.W

TEST SHEET - WATER BALANCE

| | |
|-----------------|----------------------|
| PROJECT NAME: | 7968.D |
| DATE OF TEST | 23/07/2014 |
| SYSTEM | H.H.W. Total Stage 3 |
| LOCATION | Ceiling Space |
| INSTRUMENT USED | CBI 046969 |

| ITEM | VALVE TYPE | VALVE SIZE mm | HANDLE POSITION | DESIGN FLOW L/s | PRELIMINARY READINGS | | FINAL PRESSURE DROP(kPa) | FINAL FLOW L/s |
|----------------------|------------|------------------|-----------------|-----------------|----------------------|--|--------------------------|----------------|
| Total H.H.W. Stage 3 | Stad | 50mm | 2.40 | 1.44 | | | 12.12 | 1.48 |
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| TOTAL | | | | | | | | |

NOTES:

Tested by:

P.E.

Checked by:

R.W.

