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Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 07/07/2023

PROJECT
07-03-23 MENDOCINO FARMS - GLENDALE,
CA

769 AMERICANA WAY

GLENDALE, CA 91210

Client

Chill - Factor Mechanical

PO BOX 5756

SAN DIEGO, CA 92165

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

Table Of Contents

| Section | Page # |
|---------------------|--------|
| AHU/RTU | 3 |
| FAN - Exhaust | 11 |
| FAN - Supply | 14 |
| Kitchen Hood Type I | 16 |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: AHU/RTU



Asset: FCU1

AREA:DINING

| Unit Data | | |
|---------------------|----------|----------------|
| | Design | Actual |
| MFG | TRANE | TRANE |
| Serial Num | - | 31R0058930P915 |
| Model Num | TPEFY054 | TPEFY054MA144A |
| Type | FCU | FCU |
| Configuration | VERTICAL | HORIZONTAL |
| Num OA Filters 1 | - | 10" |
| Num Final Filter 1 | - | 2 |
| Final Filter Size 1 | - | 14X20X2 |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | NL |
| Frame | - | NL |
| Horsepower | - | 0.402 |
| Motor Rpm | - | NL |
| Phase | 3 | 1 |
| Rated Voltage | 208 | 208 |
| Rated Amperage | - | 3.09 |

| Drive Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | DD |
| Motor Bore Size | - | DD |
| Motor Sheave SetPt | - | DD |
| Fan Sheave Size | - | DD |
| Fan Sheave Bore | - | DD |
| Belt CL Distance | - | DD |
| Num of Belts | - | DD |
| Belt Size | - | DD |
| Belt Alignment | - | DD |

| Test Data | | |
|------------------------|--------|-----------|
| | Design | Actual |
| SF CFM | 1400 | 1473 |
| SF RPM | - | NA |
| RA CFM | 1100 | 1152 |
| OA CFM | 300 | 321 |
| RL Voltage | - | 210 |
| RL Amperage | - | 1.33 |
| SF Rotation | - | CCW |
| RA Damper Position | - | N/A |
| Min OA Damper Position | - | 20% |
| Min OA Damper Type | - | MOTORIZED |
| OA Enthalpy Setpt | - | N/A |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.13" |
| Fan Suction SP | - | -0.21" |
| Fan Discharge SP | - | 0.15" |
| Total ESP | 0.06" | 0.28" |
| Fan Total SP | - | 0.36" |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | YES |
| Unit Filters Clean | - | YES |
| Condensate Drain Installed | - | YES |

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AHU/RTU



Diffuser Supply (GRD)

FCU1/DINING

| Asset | | | | | | | | | |
|------------|----------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1 | ORDERING | SR2 | 22/6 | 575 | 1 | 592 | 610 | 610 | 106.1 |
| SGRD2 | ORDERING | SR2 | 22/6 | 575 | 1 | 757 | 602 | 602 | 104.7 |
| SGRD3 | SERVING | CD1 | 8" | 250 | 1 | 126 | 261 | 261 | 104.4 |
| Total | | | | 1400 | | 1475 | 1473 | 1473 | 105.21% |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: AHU/RTU



Asset: FCU2

AREA:DINING

| Unit Data | | |
|---------------------|----------|----------------|
| | Design | Actual |
| MFG | TRANE | TRANE |
| Serial Num | - | 31R0058830P915 |
| Model Num | TPEFY054 | TPEFY054MA144A |
| Type | FCU | FCU |
| Configuration | VERTICAL | HORIZONTAL |
| Num OA Filters 1 | - | 10" |
| Num Final Filter 1 | - | 2 |
| Final Filter Size 1 | - | 14X20X2 |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | NL |
| Frame | - | NL |
| Horsepower | - | 0.402 |
| Motor Rpm | - | NL |
| Phase | 3 | 1 |
| Rated Voltage | 208 | 208 |
| Rated Amperage | - | 3.09 |

| Drive Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | DD |
| Motor Bore Size | - | DD |
| Motor Sheave SetPt | - | DD |
| Fan Sheave Size | - | DD |
| Fan Sheave Bore | - | DD |
| Belt CL Distance | - | DD |
| Num of Belts | - | DD |
| Belt Size | - | DD |
| Belt Alignment | - | DD |

| Test Data | | |
|------------------------|--------|-----------|
| | Design | Actual |
| SF CFM | 1400 | 1436 |
| SF RPM | - | NA |
| RA CFM | 1100 | 1125 |
| OA CFM | 300 | 311 |
| RL Voltage | - | 210 |
| RL Amperage | - | 1.25 |
| SF Rotation | - | CCW |
| RA Damper Position | - | N/A |
| Min OA Damper Position | - | 25% |
| Min OA Damper Type | - | MOTORIZED |
| OA Enthalpy Setpt | - | N/A |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.11" |
| Fan Suction SP | - | -0.19" |
| Fan Discharge SP | - | 0.15" |
| Total ESP | 0.06" | 0.26" |
| Fan Total SP | - | 0.34" |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | YES |
| Unit Filters Clean | - | YES |
| Condensate Drain Installed | - | YES |

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AHU/RTU



Diffuser Supply (GRD)

FCU2/DINING

| Asset | | | | | | | | | |
|------------|----------|------|------|------------|-----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1 | DINING | SR1 | 33/6 | 467 | 1.4 | 389 | 481 | 481 | 103.0 |
| SGRD2 | DINING | SR1 | 33/6 | 467 | 1.4 | 501 | 493 | 493 | 105.6 |
| SGRD3 | DINING | SR1 | 33/6 | 467 | 1.4 | 552 | 462 | 462 | 98.9 |
| Total | | | | 1401 | | 1442 | 1436 | 1436 | 102.5% |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: AHU/RTU



Asset: FCU3

AREA:KITCHEN

| Unit Data | | |
|---------------------|----------|----------------|
| | Design | Actual |
| MFG | TRANE | TRANE |
| Serial Num | - | 31R0056130P915 |
| Model Num | TPEFY054 | TPEFY054MA144A |
| Type | FCU | FCU |
| Configuration | VERTICAL | HORIZONTAL |
| Num OA Filters 1 | - | 10" |
| Num Final Filter 1 | - | 2 |
| Final Filter Size 1 | - | 14X20X2 |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | NL |
| Frame | - | NL |
| Horsepower | - | 0.402 |
| Motor Rpm | - | NL |
| Phase | 3 | 1 |
| Rated Voltage | 208 | 208 |
| Rated Amperage | - | 3.09 |

| Drive Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | DD |
| Motor Bore Size | - | DD |
| Motor Sheave SetPt | - | DD |
| Fan Sheave Size | - | DD |
| Fan Sheave Bore | - | DD |
| Belt CL Distance | - | DD |
| Num of Belts | - | DD |
| Belt Size | - | DD |
| Belt Alignment | - | DD |

| Test Data | | |
|------------------------|--------|-----------|
| | Design | Actual |
| SF CFM | 1400 | 1361 |
| SF RPM | - | NA |
| RA CFM | 1150 | 1119 |
| OA CFM | 250 | 242 |
| RL Voltage | - | 210 |
| RL Amperage | - | 1.13 |
| SF Rotation | - | CCW |
| RA Damper Position | - | N/A |
| Min OA Damper Position | - | 20% |
| Min OA Damper Type | - | MOTORIZED |
| OA Enthalpy Setpt | - | N/A |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.13" |
| Fan Suction SP | - | -0.19" |
| Fan Discharge SP | - | 0.17" |
| Total ESP | 0.06" | 0.3" |
| Fan Total SP | - | 0.34" |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | YES |
| Unit Filters Clean | - | YES |
| Condensate Drain Installed | - | YES |

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AHU/RTU



Diffuser Supply (GRD)

FCU3/KITCHEN

| Asset | | | | | | | | | |
|------------|----------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1 | KITCHEN | CD1 | 14" | 500 | 1 | 478 | 478 | 478 | 95.6 |
| SGRD2 | KITCHEN | CD1 | 14" | 500 | 1 | 491 | 491 | 491 | 98.2 |
| SGRD3 | KITCHEN | CD1 | 14" | 400 | 1 | 392 | 392 | 392 | 98.0 |
| Total | | | | 1400 | | 1361 | 1361 | 1361 | 97.21% |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: AHU/RTU



Asset: FCU4

AREA:KITCHEN

| Unit Data | | |
|---------------------|----------|----------------|
| | Design | Actual |
| MFG | TRANE | TRANE |
| Serial Num | - | 31R0058730P915 |
| Model Num | TPEFY054 | TPEFY054MA144A |
| Type | FCU | FCU |
| Configuration | VERTICAL | HORIZONTAL |
| Num OA Filters 1 | - | 10" |
| Num Final Filter 1 | - | 2 |
| Final Filter Size 1 | - | 14X20X2 |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | NL |
| Frame | - | NL |
| Horsepower | - | 0.402 |
| Motor Rpm | - | NL |
| Phase | 3 | 3 |
| Rated Voltage | 208 | 230 |
| Rated Amperage | - | 3.09 |

| Drive Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | DD |
| Motor Bore Size | - | DD |
| Motor Sheave SetPt | - | DD |
| Fan Sheave Size | - | DD |
| Fan Sheave Bore | - | DD |
| Belt CL Distance | - | DD |
| Num of Belts | - | DD |
| Belt Size | - | DD |
| Belt Alignment | - | DD |

| Test Data | | |
|------------------------|--------|-----------|
| | Design | Actual |
| SF CFM | 1400 | 1406 |
| SF RPM | - | NA |
| RA CFM | 1150 | 1161 |
| OA CFM | 250 | 245 |
| RL Voltage | - | 209 |
| RL Amperage | - | 1.21" |
| SF Rotation | - | CCW |
| RA Damper Position | - | N/A |
| Min OA Damper Position | - | 20% |
| Min OA Damper Type | - | MOTORIZED |
| OA Enthalpy Setpt | - | N/A |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.14" |
| Fan Suction SP | - | 0.21" |
| Fan Discharge SP | - | 0.17" |
| Total ESP | 0.06" | 0.31" |
| Fan Total SP | - | 0.38" |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | YES |
| Unit Filters Clean | - | YES |
| Condensate Drain Installed | - | YES |

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AHU/RTU



Diffuser Supply (GRD)

FCU4/KITCHEN

| Asset | | | | | | | | | |
|------------|----------|-------|------|------------|-----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1 | KITCHEN | CD1 | 14" | 450 | 1 | 476 | 476 | 476 | 105.8 |
| SGRD2 | KITCHEN | CD1 | 14" | 450 | 1 | 469 | 469 | 469 | 104.2 |
| SGRD3 | HOOD 1 | ACPSP | 8" | 500 | 5.8 | 461 | 461 | 461 | 92.2 |
| Total | | | | 1400 | | 1406 | 1406 | 1406 | 100.43% |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: FAN - Exhaust



Asset: EF-A1

AREA:

| Unit Data | | |
|----------------------|------------|------------|
| | Design | Actual |
| MFG | PANASONIC | GREENHECK |
| Model Num | FV-0511VQ1 | SP-A200-QD |
| Serial Num | - | 22042329 |
| Type | CEILING | CEILING |
| Configuration | VERTICAL | VERTICAL |

| Motor Data | | |
|-------------------------|--------|-----------|
| | Design | Actual |
| Motor MFG | - | GREENHECK |
| Frame | - | NL |
| Horsepower | 7.2W | NL |
| Motor Rpm | - | NL |
| Phase | 1 | 1 |
| Voltage (rated) | 120 | 115 |
| Amperage (rated) | - | 0.46 |
| Service Factor | - | NL |

| Test Data | | |
|-------------------------|--------|--------------|
| | Design | Actual |
| CFM | 75 | 71 |
| Fan RPM | - | SINGLE SPEED |
| Fan Rotation | - | SINGLE SPEED |
| Motor RPM | - | SINGLE SPEED |
| System SetPt | - | SINGLE SPEED |
| RL Voltage | - | 120 |
| RL Amperage | - | 0.42 |
| Total ESP | 0.25" | NA |
| Fan Inlet SP | - | NA |
| Fan Discharge SP | - | ATM |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: FAN - Exhaust



Asset: EF-B1

AREA:RESTROOM

| Unit Data | | |
|---------------|------------|------------|
| | Design | Actual |
| MFG | PANASONIC | GREENHECK |
| Model Num | FV-0511VQ1 | SP-A200-QD |
| Serial Num | - | 22099216 |
| Type | CEILING | CEILING |
| Configuration | VERTICAL | VERTICAL |

| Motor Data | | |
|------------------|--------|-----------|
| | Design | Actual |
| Motor MFG | - | GREENHECK |
| Frame | - | NL |
| Horsepower | 7.2W | NL |
| Motor Rpm | - | NL |
| Phase | 1 | 1 |
| Voltage (rated) | 120 | 115 |
| Amperage (rated) | - | 0.46 |
| Service Factor | - | NL |

| Test Data | | |
|------------------|--------|--------------|
| | Design | Actual |
| CFM | 75 | 73 |
| Fan RPM | - | SINGLE SPEED |
| Fan Rotation | - | SINGLE SPEED |
| Motor RPM | - | SINGLE SPEED |
| System SetPt | - | SINGLE SPEED |
| RL Voltage | - | 120 |
| RL Amperage | - | 0.45 |
| Total ESP | 0.25" | NA |
| Fan Inlet SP | - | NA |
| Fan Discharge SP | - | NA |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: FAN - Exhaust



Asset: PCU1

AREA:COOKLINE

| Unit Data | | |
|---------------|--------|------------|
| | Design | Actual |
| MFG | NA | SPRING AIR |
| Model Num | NA | KES-ISH |
| Serial Num | - | 23A0 |
| Type | - | PCU |
| Configuration | - | HORIZONTAL |

| Motor Data | | |
|------------------|--------|--------------------|
| | Design | Actual |
| Motor MFG | - | BALDOR RELIANCE |
| Frame | - | 215T |
| Horsepower | - | 10 |
| Motor Rpm | - | 1770 |
| Phase | - | 3 |
| Voltage (rated) | - | 230/460 |
| Amperage (rated) | - | 25/12.5 |
| Service Factor | - | 1.15 |

| Drive Data | | |
|--------------------|--------|---------|
| | Design | Actual |
| Motor Sheave Size | - | 2BK110H |
| Motor Bore Size | - | 1-5/16" |
| Motor Sheave SetPt | - | FIXED |
| Fan Sheave Size | - | 6" |
| Fan Sheave Bore | - | 1-5/16" |
| Belt CL Distance | - | 19.5" |
| Num of Belts | - | 2 |
| Belt Size | - | BX63 |

| Test Data | | |
|---------------|--------|----------------|
| | Design | Actual |
| CFM | 2250 | 3831 |
| Fan RPM | - | |
| Fan Rotation | - | CW |
| Motor RPM | - | |
| RL Voltage | - | 208/207/208 |
| RL Amperage | - | 40.5/41.1/40.1 |
| Suction ESP | - | |
| Discharge ESP | - | |
| Total ESP | - | |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: FAN - Supply



Asset: MUA1

AREA:COOKLINE

| Unit Data | | |
|---------------|-------------|-------------|
| | Design | Actual |
| MFG | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num | A1-15D | A2-20D |
| Serial Num | - | 5727845 |
| Type | MUA | MUA |
| Configuration | VERTICAL | HORIZONTAL |

| Motor Data | | |
|------------------|--------|-----------|
| | Design | Actual |
| Motor MFG | - | TECO |
| Frame | - | 145T |
| Horsepower | 1.5 | 1 |
| Motor Rpm | - | 1150 |
| Phase | 3 | 3 |
| Voltage (rated) | 208 | 230/460 |
| Amperage (rated) | - | 3.44/1.72 |
| Service Factor | - | 1.15 |

| Drive Data | | |
|-------------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | DD |
| Motor Bore Size | - | DD |
| Fan Sheave Size | - | DD |
| Fan Sheave Bore | - | DD |
| Belt CL Distance | - | DD |
| Num of Belts | - | DD |
| Belt Size | - | DD |
| Belt Alignment Verified | - | DD |

| Gas Heat | | |
|----------|--------|--------|
| | Design | Actual |
| | | |

| Test Data | | |
|------------------|--------|--------------|
| | Design | Actual |
| CFM | 2475 | 2420 |
| SF RPM | - | 1109 |
| Motor RPM | - | 1109 |
| RL Voltage | - | 207/206/207 |
| RL Amperage | - | 2.98/3.2/3.3 |
| Total ESP | - | 0.52" |
| Fan Discharge SP | - | 0.52" |

| General | | |
|----------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | YES |

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Project:07-03-23 MENDOCINO FARMS - GLENDALE, CA

FAN - Supply



Diffuser Supply (GRD)

MUA1/COOKLINE

| Asset | | | | | | | | | |
|------------|----------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| FCU1 | | | | 300 | | | | | - |
| FCU2 | | | | 300 | | | | | - |
| FCU3 | | | | 250 | | | | | - |
| FCU4 | | | | 250 | | | | | - |
| HD 1 | | | | 1375 | | | | | - |
| Total | | | | 2475 | | 0 | 0 | 0 | 0% |

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Project: 07-03-23 MENDOCINO FARMS - GLENDALE, CA

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

| Unit Data | | |
|----------------------|-------------------|-------------------|
| | Design | Actual |
| MFG | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num | 5424 ND-2-ACPSP-F | 5424 ND-2-ACPSP-F |
| Job / Serial Num | - | 5727845 |
| Type | TYPE I CANOPY | TYPE I CANOPY |
| Hood length | 108 | 108" |
| Hood Width | 54 | 54" |
| Supply Plenum Type | - | PERFORATED |
| Supply Plenum Width | 12" | 12" |
| Supply Plenum Length | 120" | 120" |

| Test Data Exhaust | | |
|-------------------------|------------|------------|
| | Design | Actual |
| Filter Type | SS FILTERS | SS FILTERS |
| Filter Size 1 | 20X16 | 20X16 |
| Filter Qty 1 | 7 | 6 |
| Filter AK factor size 1 | 2.08" | 2.08 |
| Filter Total AK Area | 14.56 | 12.48 |
| Filter1 FPM | - | 285 |
| Filter2 FPM | - | 297 |
| Filter3 FPM | - | 329 |
| Filter4 FPM | - | 329 |
| Filter5 FPM | - | 297 |
| Filter6 FPM | - | 307 |
| Filter Ave FPM(corr) | - | 307 |
| CFM | 2250 | 3831 |

| Cooking Equipment | | |
|-------------------|--------|----------------|
| | Design | Actual |
| Item 1 | - | PANINI PRESS |
| Item 2 | - | FLAT TOP GRILL |
| Item 3 | - | BROILER |
| Item 4 | - | |
| Item 5 | - | |

| Test Data Supply | | |
|------------------|--------|--------|
| | Design | Actual |
| Total AK Area | 10 | 10 |
| Kv factor (Vel) | 0.87" | 0.87 |
| Num of Readings | - | 8 |
| Reading1 FPM | - | 193 |
| Reading2 FPM | - | 170 |
| Reading3 FPM | - | 166 |
| Reading4 FPM | - | 174 |
| Reading5 FPM | - | 168 |
| Reading6 FPM | - | 108 |
| Reading7 FPM | - | 138 |
| Reading8 FPM | - | 165 |
| Ave FPM(corr) | - | 160 |
| CFM | 1375 | 1392 |

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