SDV Job #: 7240416 - StoneCreek V2_Shiloh CTR (Greenwood, IN)

Service Region:	335 - Indiana Service		
Service Person:	Tom Fisher		
Customer Number:	606795	**Customer Name:**	Region 120 - Air Solutions
Address:	StoneCreek 1464 West Stones Crossing Road Shiloh's Center Greenwood, IN 46143		
Region Job #:	6800919		
Region Job Name:	StoneCreek V2_Shiloh CTR (Greenwood, IN)		
Sales Region:	120 - Air Solutions		
Sales Person:	Joe Hertenstein		
Created By:	Tom Fisher	**Creation Date:**	4/4/2025 12:00 PM
Last Modified By:	Tom Fisher	**Last Modified Date:**	4/21/2025 7:59 PM
Dining Room Pressure:	0	**Kitchen Pressure:**	0
Hours On Job:	0	**Extra Hours:**	0
Completed:	Yes	**Completed By:**	Tom Fisher
Completion Date:	4/21/2025 7:59 PM		

Job Site Meeting

NONE

Hood Group 1

Exhaust CFM:	Design = 5194	Initial = 6222	Final = 5536	(106.6% of design)
Supply CFM:	Design = 4177	Initial = 4375	Final = 4185	(100.2% of design)

Other Notes:

CFM for hoods were reached.
Installer installed fan 1 over hood 2
And fan 2 over hood 1

See attachment(s): [202504171319798632.mp4]

Hood 1 (HD1L CHAR) (HD1L CHAR)

Model:	5424ND-2-PSP-F	**Length:**	11' 6"
Exhaust CFM:	Design = 2645	Initial = 3009	Final = 2843 (107.5% of design)

Other Notes:

N/A

Installation

Hung Using appropriate material to safely secure hood.	Design:	**Yes**	Actual:	**Yes**
COOKING EQUIPMENT ON AND OPERATING	Design:	**Yes**	Actual:	**No**
COOKING EQUIPMENT INSTALLED AS CLOSE TO BACK WALL AS POSSIBLE	Design:	**Yes**	Actual:	**Yes**
END PANELS INSTALLED CORRECTLY	Design:	**Yes**	Actual:	**Yes**
Smoke Test Performed on all Hoods? Upload Video	Design:	**Yes**	Actual:	**Yes**
Measure the Front lower edge of the Hood to the Floor. (AFF)	Design:	**80**	Actual:	**80**
Are there combustibles within 18" of the Hood?	Design:	**No**	Actual:	**No**

Filters

Type: Captrate Solo

Filter 1 Size: 16x16 Initial Velocity: 222 fpm Final Velocity: 190 fpm
Initial CFM: 402 Final CFM: 344 Fan: #1 - DU180HFA (KEF 1L)

Filter 2 Size: 16x16 Initial Velocity: 213 fpm Final Velocity: 190 fpm
Initial CFM: 385 Final CFM: 344 Fan: #1 - DU180HFA (KEF 1L)

Filter 3 Size: 16x16 Initial Velocity: 201 fpm Final Velocity: 201 fpm
Initial CFM: 364 Final CFM: 364 Fan: #1 - DU180HFA (KEF 1L)

Filter 4 Size: 16x16 Initial Velocity: 218 fpm Final Velocity: 219 fpm
Initial CFM: 394 Final CFM: 396 Fan: #1 - DU180HFA (KEF 1L)

Filter 5 Size: 16x16 Initial Velocity: 231 fpm Final Velocity: 212 fpm
Initial CFM: 418 Final CFM: 384 Fan: #1 - DU180HFA (KEF 1L)

Filter 6 Size: 16x16 Initial Velocity: 204 fpm Final Velocity: 194 fpm
Initial CFM: 369 Final CFM: 351 Fan: #1 - DU180HFA (KEF 1L)

Filter 7 Size: 16x16 Initial Velocity: 183 fpm Final Velocity: 181 fpm
Initial CFM: 331 Final CFM: 327 Fan: #1 - DU180HFA (KEF 1L)

Filter 8 Size: 16x16 Initial Velocity: 191 fpm Final Velocity: 184 fpm
Initial CFM: 346 Final CFM: 333 Fan: #1 - DU180HFA (KEF 1L)

Supply

Supply CFM: Design = 2010 Initial = 2012 Actual = 1931
(96.1% of design) Fan: Other

PSP 1

Orientation: Front **Length:** 11' 6" **Width:** 14"
Banks: 1 **Blanks:** 1
CFM: Design = 2010 Initial = 2012 Final = 1931
(0% of design)
Velocity: Design = 171 Initial = 0 Final = 0
(0% of design)

Readings:

1: Initial: 165 fpm, Final: 180 fpm
2: Initial: 175 fpm, Final: 155 fpm
3: Initial: 158 fpm, Final: 155 fpm
4: Initial: 165 fpm, Final: 159 fpm
5: Initial: 167 fpm, Final: 162 fpm
6: Initial: 162 fpm, Final: 153 fpm
7: Initial: 155 fpm, Final: 139 fpm
8: Initial: 150 fpm, Final: 144 fpm
9: Initial: 160 fpm, Final: 150 fpm
10: Initial: 157 fpm, Final: 139 fpm
11: Initial: 168 fpm, Final: 165 fpm
12: Initial: 169 fpm, Final: 171 fpm

Hood 2 (HD1R CHAR) (HD1R CHAR)

Model: 5424ND-2-PSP-F **Length:** 13' 5"
Exhaust CFM: Design = 2549 Initial = 3213 Final = 2693
(105.6% of design)

Other Notes:

N/A

Installation

Hung Using appropriate material to safely secure hood.	Design:	**Yes**	Actual:	**Yes**
COOKING EQUIPMENT ON AND OPERATING	Design:	**Yes**	Actual:	**No**
COOKING EQUIPMENT INSTALLED AS CLOSE TO BACK WALL AS POSSIBLE	Design:	**Yes**	Actual:	**Yes**
END PANELS INSTALLED CORRECTLY	Design:	**Yes**	Actual:	**Yes**
Smoke Test Performed on all Hoods? Upload Video	Design:	**Yes**	Actual:	**Yes**
Measure the Front lower edge of the Hood to the Floor. (AFF)	Design:	**80**	Actual:	**80**
Are there combustibles within 18" of the Hood?	Design:	**No**	Actual:	**No**

Filters

Type: Captrate Solo

Filter 1	Size: 16x16	Initial Velocity: 171 fpm	Final Velocity: 153 fpm
Initial CFM: 309	Final CFM: 277	Fan: #2 - DU180HFA (KEF 1R)	
Filter 2	Size: 16x16	Initial Velocity: 180 fpm	Final Velocity: 155 fpm
Initial CFM: 326	Final CFM: 280	Fan: #2 - DU180HFA (KEF 1R)	
Filter 3	Size: 16x16	Initial Velocity: 205 fpm	Final Velocity: 161 fpm
Initial CFM: 371	Final CFM: 291	Fan: #2 - DU180HFA (KEF 1R)	
Filter 4	Size: 16x16	Initial Velocity: 177 fpm	Final Velocity: 161 fpm
Initial CFM: 320	Final CFM: 291	Fan: #2 - DU180HFA (KEF 1R)	
Filter 5	Size: 16x16	Initial Velocity: 171 fpm	Final Velocity: 145 fpm
Initial CFM: 309	Final CFM: 262	Fan: #2 - DU180HFA (KEF 1R)	
Filter 6	Size: 16x16	Initial Velocity: 164 fpm	Final Velocity: 134 fpm
Initial CFM: 297	Final CFM: 242	Fan: #2 - DU180HFA (KEF 1R)	
Filter 7	Size: 16x16	Initial Velocity: 174 fpm	Final Velocity: 139 fpm
Initial CFM: 315	Final CFM: 251	Fan: #2 - DU180HFA (KEF 1R)	
Filter 8	Size: 16x16	Initial Velocity: 191 fpm	Final Velocity: 145 fpm
Initial CFM: 346	Final CFM: 262	Fan: #2 - DU180HFA (KEF 1R)	

Filter 9 Size: 16x16 Initial Velocity: 181 fpm Final Velocity: 151 fpm
Initial CFM: 327 Final CFM: 273 Fan: #2 - DU180HFA (KEF 1R)

Filter 10 Size: 16x16 Initial Velocity: 162 fpm Final Velocity: 146 fpm
Initial CFM: 293 Final CFM: 264 Fan: #2 - DU180HFA (KEF 1R)

Supply

Supply CFM: Design = 2167 Initial = 2363 Actual = 2254
(104% of design) Fan: Other

PSP 1

Orientation: Front **Length:** 15' 1" **Width:** 14"
Banks: 1 **Blanks:** 2
CFM: Design = 2166 Initial = 2363 Final = 2254
(0% of design)
Velocity: Design = 141 Initial = 0 Final = 0
(0% of design)

Readings:

1: Initial: 176 fpm, Final: 175 fpm
2: Initial: 149 fpm, Final: 138 fpm
3: Initial: 143 fpm, Final: 145 fpm
4: Initial: 139 fpm, Final: 138 fpm
5: Initial: 133 fpm, Final: 130 fpm
6: Initial: 139 fpm, Final: 135 fpm
7: Initial: 134 fpm, Final: 133 fpm
8: Initial: 131 fpm, Final: 129 fpm
9: Initial: 133 fpm, Final: 131 fpm
10: Initial: 144 fpm, Final: 128 fpm
11: Initial: 152 fpm, Final: 134 fpm
12: Initial: 149 fpm, Final: 132 fpm
13: Initial: 153 fpm, Final: 142 fpm
14: Initial: 150 fpm, Final: 132 fpm
15: Initial: 174 fpm, Final: 138 fpm
16: Initial: 144 fpm, Final: 133 fpm
17: Initial: 154 fpm, Final: 144 fpm
18: Initial: 134 fpm, Final: 173 fpm

Hood Group 2

Exhaust CFM: Design = 4445 Initial = 4639 Final = 4639 (104.4% of design)
Supply CFM: Design = 3556 Initial = 3309 Final = 3420 (96.2% of design)

Other Notes:

N/A

See attachment(s): [202504171323259839.mp4]

Hood 3 (HD2L OVEN) (HD2L OVEN)

Model: 5424ND-2-PSP-F **Length:** 11' 6"
Exhaust CFM: Design = 2300 Initial = 2485 Final = 2485 (108% of design)

Other Notes:

N/A

Installation

Hung Using appropriate material to safely secure hood.	Design:	**Yes**	Actual:	**Yes**
COOKING EQUIPMENT ON AND OPERATING	Design:	**Yes**	Actual:	**No**
COOKING EQUIPMENT INSTALLED AS CLOSE TO BACK WALL AS POSSIBLE	Design:	**Yes**	Actual:	**Yes**
END PANELS INSTALLED CORRECTLY	Design:	**Yes**	Actual:	**Yes**
Smoke Test Performed on all Hoods? Upload Video	Design:	**Yes**	Actual:	**Yes**
Measure the Front lower edge of the Hood to the Floor. (AFF)	Design:	**80**	Actual:	**80**
Are there combustibles within 18" of the Hood?	Design:	**No**	Actual:	**No**

Filters

Type: Captrate Solo

Filter 1 Size: 16x16 Initial Velocity: 172 fpm Final Velocity: 172 fpm
Initial CFM: 311 Final CFM: 311 Fan: #3 - DU180HFA (KEF 2L)

Filter 2 Size: 16x16 Initial Velocity: 165 fpm Final Velocity: 165 fpm
Initial CFM: 298 Final CFM: 298 Fan: #3 - DU180HFA (KEF 2L)

Filter 3 Size: 16x16 Initial Velocity: 175 fpm Final Velocity: 175 fpm
Initial CFM: 317 Final CFM: 317 Fan: #3 - DU180HFA (KEF 2L)

Filter 4 Size: 16x16 Initial Velocity: 190 fpm Final Velocity: 190 fpm
Initial CFM: 344 Final CFM: 344 Fan: #3 - DU180HFA (KEF 2L)

Filter 5 Size: 16x16 Initial Velocity: 201 fpm Final Velocity: 201 fpm
Initial CFM: 364 Final CFM: 364 Fan: #3 - DU180HFA (KEF 2L)

Filter 6 Size: 16x16 Initial Velocity: 158 fpm Final Velocity: 158 fpm
Initial CFM: 286 Final CFM: 286 Fan: #3 - DU180HFA (KEF 2L)

Filter 7 Size: 16x16 Initial Velocity: 154 fpm Final Velocity: 154 fpm
Initial CFM: 279 Final CFM: 279 Fan: #3 - DU180HFA (KEF 2L)

Filter 8 Size: 16x16 Initial Velocity: 158 fpm Final Velocity: 158 fpm
Initial CFM: 286 Final CFM: 286 Fan: #3 - DU180HFA (KEF 2L)

Supply

Supply CFM: Design = 1840 Initial = 1662 Actual = 1733
(94.2% of design) Fan: Other

PSP 1

Orientation: Front **Length:** 12' 6" **Width:** 14"
Banks: 1 **Blanks:** 2
CFM: Design = 1839 Initial = 1662 Final = 1733
(0% of design)
Velocity: Design = 146 Initial = 0 Final = 0
(0% of design)

Readings:

1: Initial: 162 fpm, Final: 164 fpm
2: Initial: 117 fpm, Final: 125 fpm
3: Initial: 117 fpm, Final: 120 fpm
4: Initial: 126 fpm, Final: 125 fpm
5: Initial: 118 fpm, Final: 132 fpm
6: Initial: 87 fpm, Final: 134 fpm
7: Initial: 112 fpm, Final: 102 fpm
8: Initial: 130 fpm, Final: 118 fpm
9: Initial: 130 fpm, Final: 128 fpm
10: Initial: 128 fpm, Final: 130 fpm
11: Initial: 101 fpm, Final: 135 fpm
12: Initial: 120 fpm, Final: 105 fpm
13: Initial: 141 fpm, Final: 117 fpm
14: Initial: 155 fpm, Final: 143 fpm
15: Initial: 130 fpm, Final: 177 fpm

Hood 4 (HD2R OVEN) (HD2R OVEN)

Model: 5424ND-2-PSP-F **Length:** 11' 0"
Exhaust CFM: Design = 2145 Initial = 2154 Final = 2154
(100.4% of design)

Other Notes:

N/A

Installation

Hung Using appropriate material to safely secure hood.	Design:	**Yes**	Actual:	**Yes**
COOKING EQUIPMENT ON AND OPERATING	Design:	**Yes**	Actual:	**No**
COOKING EQUIPMENT INSTALLED AS CLOSE TO BACK WALL AS POSSIBLE	Design:	**Yes**	Actual:	**Yes**
END PANELS INSTALLED CORRECTLY	Design:	**Yes**	Actual:	**Yes**
Smoke Test Performed on all Hoods? Upload Video	Design:	**Yes**	Actual:	**Yes**
Measure the Front lower edge of the Hood to the Floor. (AFF)	Design:	**80**	Actual:	**80**
Are there combustibles within 18" of the Hood?	Design:	**No**	Actual:	**No**

Filters

Type: Captrate Solo

Filter 1 Size: 16x16 Initial Velocity: 144 fpm Final Velocity: 144 fpm
Initial CFM: 260 Final CFM: 260 Fan: #4 - DU180HFA (KEF 2R)

Filter 2 Size: 16x16 Initial Velocity: 144 fpm Final Velocity: 144 fpm
Initial CFM: 260 Final CFM: 260 Fan: #4 - DU180HFA (KEF 2R)

Filter 3 Size: 16x16 Initial Velocity: 156 fpm Final Velocity: 156 fpm
Initial CFM: 282 Final CFM: 282 Fan: #4 - DU180HFA (KEF 2R)

Filter 4 Size: 16x16 Initial Velocity: 173 fpm Final Velocity: 173 fpm
Initial CFM: 313 Final CFM: 313 Fan: #4 - DU180HFA (KEF 2R)

Filter 5 Size: 16x16 Initial Velocity: 166 fpm Final Velocity: 166 fpm
Initial CFM: 300 Final CFM: 300 Fan: #4 - DU180HFA (KEF 2R)

Filter 6 Size: 16x16 Initial Velocity: 140 fpm Final Velocity: 140 fpm
Initial CFM: 253 Final CFM: 253 Fan: #4 - DU180HFA (KEF 2R)

Filter 7 Size: 16x16 Initial Velocity: 145 fpm Final Velocity: 145 fpm
Initial CFM: 262 Final CFM: 262 Fan: #4 - DU180HFA (KEF 2R)

Filter 8 Size: 16x16 Initial Velocity: 124 fpm Final Velocity: 124 fpm
Initial CFM: 224 Final CFM: 224 Fan: #4 - DU180HFA (KEF 2R)

Supply

Supply CFM: Design = 1716 Initial = 1647 Actual = 1687
(98.3% of design) Fan: Other

PSP 1

Orientation: Front **Length:** 11' 0" **Width:** 14"
Banks: 1 **Blanks:** 1
CFM: Design = 1716 Initial = 1647 Final = 1687
(0% of design)
Velocity: Design = 153 Initial = 0 Final = 0
(0% of design)

Readings:

1: Initial: 142 fpm, Final: 141 fpm
2: Initial: 131 fpm, Final: 138 fpm
3: Initial: 128 fpm, Final: 134 fpm
4: Initial: 129 fpm, Final: 136 fpm
5: Initial: 132 fpm, Final: 139 fpm
6: Initial: 110 fpm, Final: 116 fpm
7: Initial: 128 fpm, Final: 143 fpm
8: Initial: 143 fpm, Final: 142 fpm
9: Initial: 149 fpm, Final: 158 fpm
10: Initial: 133 fpm, Final: 145 fpm
11: Initial: 151 fpm, Final: 135 fpm
12: Initial: 196 fpm, Final: 185 fpm

Hood Group 3

Exhaust CFM: Design = 950 Initial = 1 Final = 1 (0.1% of design)

Other Notes:

N/A

Hood 5 (HD DISH) (HD DISH)

Model: 4824VHB-G **Length:** 8' 0"

Exhaust CFM: Design = 950 Initial = 1 Final = 1 (0.1% of design)

Installation Notes:

No power to fan
Fan switch not yet installed.

Installation

Hung Using appropriate material to safely secure hood.	Design:	**Yes**	Actual:	**Yes**
COOKING EQUIPMENT ON AND OPERATING	Design:	**Yes**	Actual:	**No**
COOKING EQUIPMENT INSTALLED AS CLOSE TO BACK WALL AS POSSIBLE	Design:	**Yes**	Actual:	**Yes**
Smoke Test Performed on all Hoods? Upload Video	Design:	**Yes**	Actual:	**Yes**
Measure the Front lower edge of the Hood to the Floor. (AFF)	Design:	**80**	Actual:	**80**

Fans

Fan 1 - DU180HFA (KEF 1L) (KEF 1L)

Model: DU180HFA

Other Notes:

N/A

Exhaust

Exhaust CFM: Design = 2645 Actual = 2843 (107% of design)

VOLTS	Design:	**208**	Actual:	**212**
Do all legs measure the same phase to phase and phase to ground voltage? If not, include notes with all phase to phase and phase to ground voltages.	Design:	**Yes**	Actual:	**Yes**
HP	Design:	**3**	Actual:	**3**
HUB SET SCREW TIGHT	Design:	**Yes**	Actual:	**Yes**
FAN LEVEL	Design:	**Yes**	Actual:	**Yes**
ROTATION	Design:	**Correct**	Actual:	**Correct**
UNIT VIBRATION	Design:	**Good**	Actual:	**Good**
FLA	Design:	**9.5**	Actual:	**5**
OVERLOAD SET POINT	Design:	**9.5**	Actual:	**9.5**
PHASE	Design:	**3**	Actual:	**3**
Unit within five miles from the coast?			Actual:	**No**
INSPECT ALL EXTERIOR SIDES OF UNIT. ANY VISIBLE DAMAGE	Design:	**No**	Actual:	**No**
Record the VFD HZ	Design:	**44 Hz**	Actual:	**32**
RPM - DESIGN	Design:	**1288**	Actual:	**936**
RPM - MAX	Design:	**1800**	Actual:	**N/A**
RPM - MAX RECOMMENDED	Design:	**1500**	Actual:	**N/A**

Fan 2 - DU180HFA (KEF 1R) (KEF 1R)

Model: DU180HFA

Other Notes:

Fan 2 and fan 4 got switched during install. Fans and motor are the same should not be an issue.

Exhaust

Exhaust CFM: Design = 2549 Actual = 2693 (106% of design)

VOLTS	Design:	**208**	Actual:	**212**
Do all legs measure the same phase to phase and phase to ground voltage? If not, include notes with all phase to phase and phase to ground voltages.	Design:	**Yes**	Actual:	**Yes**
HP	Design:	**1.5**	Actual:	**1.5**
HUB SET SCREW TIGHT	Design:	**Yes**	Actual:	**Yes**
FAN LEVEL	Design:	**Yes**	Actual:	**Yes**
ROTATION	Design:	**Correct**	Actual:	**Correct**
UNIT VIBRATION	Design:	**Good**	Actual:	**Good**
FLA	Design:	**6.6**	Actual:	**4**
OVERLOAD SET POINT	Design:	**6.6**	Actual:	**6.6**
PHASE	Design:	**3**	Actual:	**3**
Unit within five miles from the coast?			Actual:	**No**
INSPECT ALL EXTERIOR SIDES OF UNIT. ANY VISIBLE DAMAGE	Design:	**No**	Actual:	**No**
Record the VFD HZ	Design:	**61.3 Hz**	Actual:	**47.3**
RPM - DESIGN	Design:	**1175**	Actual:	**906**
RPM - MAX	Design:	**1800**	Actual:	**N/A**
RPM - MAX RECOMMENDED	Design:	**1500**	Actual:	**N/A**

Fan 3 - DU180HFA (KEF 2L) (KEF 2L)

Model: DU180HFA

Other Notes:

N/A

Exhaust

Exhaust CFM: Design = 2300 Actual = 2485 (108% of design)

VOLTS	Design:	**208**	Actual:	**212**
Do all legs measure the same phase to phase and phase to ground voltage? If not, include notes with all phase to phase and phase to ground voltages.	Design:	**Yes**	Actual:	**Yes**
HP	Design:	**1.5**	Actual:	**1.5**
HUB SET SCREW TIGHT	Design:	**Yes**	Actual:	**Yes**
FAN LEVEL	Design:	**Yes**	Actual:	**Yes**
ROTATION	Design:	**Correct**	Actual:	**Correct**
UNIT VIBRATION	Design:	**Good**	Actual:	**Good**
FLA	Design:	**6.6**	Actual:	**4.7**
OVERLOAD SET POINT	Design:	**6.6**	Actual:	**6.6**
PHASE	Design:	**3**	Actual:	**3**
Unit within five miles from the coast?			Actual:	**No**
INSPECT ALL EXTERIOR SIDES OF UNIT. ANY VISIBLE DAMAGE	Design:	**No**	Actual:	**No**
Record the VFD HZ	Design:	**62.7 Hz**	Actual:	**51.7**
RPM - DESIGN	Design:	**1202**	Actual:	**990**
RPM - MAX	Design:	**1800**	Actual:	**N/A**
RPM - MAX RECOMMENDED	Design:	**1500**	Actual:	**N/A**

Fan 4 - DU180HFA (KEF 2R) (KEF 2R)

Model: DU180HFA

Other Notes:

Fan 2 and fan 4 got switched during install. Fans and motor are the same should not be an issue.

Exhaust

Exhaust CFM: Design = 2145 Actual = 2154 (100% of design)

VOLTS	Design:	**208**	Actual:	**212**
Do all legs measure the same phase to phase and phase to ground voltage? If not, include notes with all phase to phase and phase to ground voltages.	Design:	**Yes**	Actual:	**Yes**
HP	Design:	**1.5**	Actual:	**1.5**
HUB SET SCREW TIGHT	Design:	**Yes**	Actual:	**Yes**
FAN LEVEL	Design:	**Yes**	Actual:	**Yes**
ROTATION	Design:	**Correct**	Actual:	**Correct**
UNIT VIBRATION	Design:	**Good**	Actual:	**Good**
FLA	Design:	**6.6**	Actual:	**4.4**
OVERLOAD SET POINT	Design:	**6.6**	Actual:	**6.6**
PHASE	Design:	**3**	Actual:	**3**
Unit within five miles from the coast?			Actual:	**No**
INSPECT ALL EXTERIOR SIDES OF UNIT. ANY VISIBLE DAMAGE	Design:	**No**	Actual:	**No**
Record the VFD HZ	Design:	**63.5 Hz**	Actual:	**51.5**
RPM - DESIGN	Design:	**1217**	Actual:	**987**
RPM - MAX	Design:	**1800**	Actual:	**N/A**

RPM - MAX RECOMMENDED	Design:	**1500**	Actual:	**N/A**

Fan 5 - DU33HFA (EF DISH) (EF DISH) - NOT AVAILABLE!

Model: DU33HFA

Installation Notes:

No power to fan

Exhaust

Exhaust CFM: Design = 950 Actual = 1 (0% of design)

Record the ECM Speed	**N/A**
VOLTS	**N/A**
Do all legs measure the same phase to phase and phase to ground voltage? If not, include notes with all phase to phase and phase to ground voltages.	**N/A**
HP	**N/A**
HUB SET SCREW TIGHT	**N/A**
FAN LEVEL	**N/A**
ROTATION	**N/A**
UNIT VIBRATION	**N/A**
FLA	**N/A**
PHASE	**N/A**
Unit within five miles from the coast?	**N/A**
INSPECT ALL EXTERIOR SIDES OF UNIT. ANY VISIBLE DAMAGE	**N/A**
SPEED CONTROL VOLTAGE	**N/A**
RPM - DESIGN	**N/A**

RPM - MAX	**N/A**
RPM - MAX RECOMMENDED	**N/A**

ECPs

ECP 1 - DCV-4222 (ECP 1) (ECP 1)

Package #: DCV-4222

Other Notes:

N/A

Smart Control

ROOM TEMPERATURE OFFSET	Design:	**21**	Actual:	**21**
HOW MANY FAN ZONES ARE THERE	Design:	**2**	Actual:	**2**
HYSTERESIS TEMPERATURE			Actual:	**2**
Room Sensor Type	Design:	**RoomSensor**	Actual:	**Room Sensor**
Is room sensor wireless or wired?			Actual:	**Wired**
Is room sensor operating correctly? Upload Picture of installation			Actual:	**Yes**

Other Notes:

N/A

Other Notes:

Not installed yet.

Are there Tempering HMI's?	Design:	**Yes**	Actual:	**No**
ALL TEMP SENSORS ARE WIRED IN	Design:	**Yes**	Actual:	**Yes**
Do any of the light circuits exceed 1400W?	Design:	**No**	Actual:	**No**
ALL LIGHTS WORK	Design:	**Yes**	Actual:	**Yes**
ALL FAULTS CLEARED	Design:	**Yes**	Actual:	**Yes**
ECPM03 HARDWARE REVISION	Design:	**04**	Actual:	**04**
ECPM03 PROGRAM VERSION	Design:	**2.17.02**	Actual:	**2.17.02**
CASHMI HARDWARE REVISION	Design:	**05**	Actual:	**05**
CASHMI PROGRAM VERSION	Design:	**2.17.02**	Actual:	**2.17.02**
ECPM03 DATE AND TIME ACCURATE	Design:	**Yes**	Actual:	**Yes**

DCV

120V Line Ran from SF1 for MUA(s)	Design:	**Yes**	Actual:	**Yes**
Damper interlock wiring ran to MAU?	Design:	**Yes**	Actual:	**Yes**

BMS & Monitoring

BMS TYPE	Design:	**CASLink**	Actual:	**CASLink**
CASLINK COMMUNICATION TYPE	Design:	**Cellular**	Actual:	**Cellular**
Cellular status is Active Online?	Design:	**Yes**	Actual:	**Yes**
CASLink Registration Wizard was completed?	Design:	**Yes**	Actual:	**Yes**

CASLink Module has a current heartbeat?	Design:	**Yes**	Actual:	**Yes**
All devices connected to the SCADA are reporting live data?	Design:	**Yes**	Actual:	**Yes**
Devices were assigned to an area and named appropriately?	Design:	**Yes**	Actual:	**Yes**

Sensors

T2

SENSOR TYPE	Design:	**Duct Stat**	Actual:	**Duct Stat**
SENSOR LOCATION	Design:	**H1CV1**	Actual:	**H1CV1**
FAN NUMBER	Design:	**1**	Actual:	**1**

T3

SENSOR TYPE	Design:	**Duct Stat**	Actual:	**Duct Stat**
SENSOR LOCATION	Design:	**H2CV1**	Actual:	**H2CV1**
FAN NUMBER	Design:	**2**	Actual:	**2**

T4

SENSOR TYPE	Design:	**Duct Stat**	Actual:	**Duct Stat**
SENSOR LOCATION	Design:	**H2CV2**	Actual:	**H2cv2**
FAN NUMBER	Design:	**2**	Actual:	**2**

T5

SENSOR TYPE	Design:	**Duct Stat**	Actual:	**Duct Stat**
SENSOR LOCATION	Design:	**H3CV1**	Actual:	**H3CV1**
FAN NUMBER	Design:	**3**	Actual:	**3**

T6

SENSOR TYPE	Design:	**Duct Stat**	Actual:	**Duct Stat**

SENSOR LOCATION	Design:	**H4CV1**	Actual:	**H4CV1**
FAN NUMBER	Design:	**4**	Actual:	**4**

T7

SENSOR TYPE	Design:	**PSP**	Actual:	**PSP**
SENSOR LOCATION	Design:	**Hood 1**	Actual:	**H1**
FAN NUMBER	Design:	**0**	Actual:	**0**

T8

SENSOR TYPE	Design:	**PSP**	Actual:	**PSP**
SENSOR LOCATION	Design:	**Hood 3**	Actual:	**H3**
FAN NUMBER	Design:	**0**	Actual:	**0**

VFDs

VFD 1

DESIGN CFM	Design:	**2645**	Actual:	**N/A**
FAN DIRECTION	Design:	**Forward**	Actual:	**Forward**
TEMP SENSOR #s ASSIGNED	Design:	**T2**	Actual:	**T2**

DCV VFD

MODULATION RANGE	Design:	**45**	Actual:	**45**
OVERLOAD = P108	Design:	**98**	Actual:	**98**
MIN HZ	Design:	**35.2**	Actual:	**29**
MAX HZ	Design:	**44**	Actual:	**32**
ALL FAULTS CLEARED = P197	Design:	**Yes**	Actual:	**Yes**
P508			Actual:	**N/A**
LOAD IN SEPARATE CONDUIT.	Design:	**Yes**	Actual:	**Yes**

VFD 2

DESIGN CFM	Design:	**2549**	Actual:	**N/A**

FAN DIRECTION	Design:	**Forward**	Actual:	**Forward**
TEMP SENSOR #s ASSIGNED	Design:	**T3, T4**	Actual:	**T3t4**

DCV VFD

MODULATION RANGE	Design:	**45**	Actual:	**45**
OVERLOAD = P108	Design:	**94**	Actual:	**94**
MIN HZ	Design:	**49**	Actual:	**40**
MAX HZ	Design:	**61.3**	Actual:	**47.3**
ALL FAULTS CLEARED = P197	Design:	**Yes**	Actual:	**Yes**
P508			Actual:	**N/A**
LOAD IN SEPARATE CONDUIT.	Design:	**Yes**	Actual:	**Yes**

VFD 3

DESIGN CFM	Design:	**2300**	Actual:	**N/A**
FAN DIRECTION	Design:	**Forward**	Actual:	**Forward**
TEMP SENSOR #s ASSIGNED	Design:	**T5**	Actual:	**T5**

DCV VFD

MODULATION RANGE	Design:	**45**	Actual:	**45**
OVERLOAD = P108	Design:	**94**	Actual:	**94**
MIN HZ	Design:	**50.2**	Actual:	**45.1**
MAX HZ	Design:	**62.7**	Actual:	**51.7**
ALL FAULTS CLEARED = P197	Design:	**Yes**	Actual:	**Yes**
P508			Actual:	**N/A**
LOAD IN SEPARATE CONDUIT.	Design:	**Yes**	Actual:	**Yes**

VFD 4

DESIGN CFM	Design:	**2145**	Actual:	**N/A**
FAN DIRECTION	Design:	**Forward**	Actual:	**Forward**
TEMP SENSOR #s ASSIGNED	Design:	**T6**	Actual:	**T6**

DCV VFD

MODULATION RANGE	Design:	**45**	Actual:	**45**
OVERLOAD = P108	Design:	**94**	Actual:	**94**
MIN HZ	Design:	**50.8**	Actual:	**45.5**
MAX HZ	Design:	**63.5**	Actual:	**51.5**
ALL FAULTS CLEARED = P197	Design:	**Yes**	Actual:	**Yes**
P508			Actual:	**N/A**
LOAD IN SEPARATE CONDUIT.	Design:	**Yes**	Actual:	**Yes**

VFD 5

DESIGN CFM	Design:	**4177**	Actual:	**N/A**
FAN DIRECTION	Design:	**Forward**	Actual:	**Forward**

DCV VFD

SUPPLY FAN # ASSIGNED	Design:	**1**	Actual:	**1**
OVERLOAD = P108	Design:	**98**	Actual:	**98**
MAX HZ	Design:	**57.2**	Actual:	**47.2**
ALL FAULTS CLEARED = P197	Design:	**Yes**	Actual:	**Yes**
P508			Actual:	**6.8**
LOAD IN SEPARATE CONDUIT.	Design:	**Yes**	Actual:	**Yes**

VFD 6

DESIGN CFM	Design:	**3556**	Actual:	**N/A**
FAN DIRECTION	Design:	**Forward**	Actual:	**Forward**

DCV VFD

SUPPLY FAN # ASSIGNED	Design:	**2**	Actual:	**2**
OVERLOAD = P108	Design:	**98**	Actual:	**98**
MAX HZ	Design:	**50.2**	Actual:	**43.2**
ALL FAULTS CLEARED = P197	Design:	**Yes**	Actual:	**Yes**
P508			Actual:	**6.2**

LOAD IN SEPARATE CONDUIT.	Design:	**Yes**	Actual:	**Yes**

TANK

TANK ECP 1 (ECP 1)

Location : Wall Mount In SS Box

TANK Fire Suppression 1 (FS 1)

Location : Hood #2 - Utility Cabinet Right

Other Notes:

N/A

87-300030-001-CHG2 Questions

All Schrader cores installed and caps secured tightly	Design:	**Yes**	Actual:	**Yes**

Is Building Alarm wired In?	Design:	**Yes**	Actual:	**Yes**
Is Trouble Relay wired in?	Design:	**Yes**	Actual:	**Yes**
TANK Board Software Version	Design:	**1.71**	Actual:	**1.71**
TANK Hardware Version			Actual:	**2.3**

Electrician

Verify Voltage at H1 and N1 is 120VAC.			Actual:	**120**

Verify the Voltage at H1D and N1D is 27.5 VDC			Actual:	**27.5**

Fire System Contractor w/CAS Supervision

Take photos of entire appliance lineup.			Actual:	**Complete**

Other Notes:

N/A

Does the appliance lineup match with the NOLA drawings?			Actual:	**Yes**
Is all distribution piping 3/8" black iron, Stainless-Steel, or 1/2" Copper?	Design:	**Yes**	Actual:	**Yes**
Does the supply line piping from the TANKs to the first overlapping nozzle exceed 42ft?	Design:	**No**	Actual:	**No**
Are all appliance drops 3/8" polished Stainless-Steel or chrome-plated black iron?			Actual:	**Yes**
Are the first and last appliance nozzles within 12" of the ends of the hazard zone?	Design:	**Yes**	Actual:	**Yes**
Are all overlapping nozzles a maximum of 15" from Front/Back of Hazard Zone?	Design:	**Yes**	Actual:	**Yes**
Are all overlapping nozzles 35-50" above the cooking surface?	Design:	**Yes**	Actual:	**Yes**
No appliance drop has more than 2 nozzles.	Design:	**True**	Actual:	**False**

Installation Notes:

Needs repiped

Does any appliance branch piping exceed max length of 10ft?	Design:	**No**	Actual:	**No**
Does the correct number of nozzles cover each Duct Riser?	Design:	**Yes**	Actual:	**Yes**
Do any backshelfs overhang a cooking surface 6" - 12"?			Actual:	**No**
Do any backshelfs/obstructions overhang a cooking surface more than 12"?			Actual:	**No**
Are there any Salamanders or Upright Broilers?			Actual:	**Yes**
Are there 2 nozzles on any Large Salamander/Upright Broiler with a cooking surface exceeding 1050 sq/in?	Design:	**Yes**	Actual:	**No**

NonCompliance Notes:

Punch Item: General Contractor

Fire install Company has not piped to them

Is the nozzle(s) for the Salamander/Upright Broiler placed at the opening and aimed at the opposite rear corner of the appliance?	Design:	**Yes**	Actual:	**Yes**
Are there any Woks?			Actual:	**No**
Are there any fryers?			Actual:	**Yes**

Are all fryers, less than 14" wide, covered by appliance drops that are no more than 36" apart?	Design:	**Yes**	Actual:	**Yes**
Are all fryers, greater than 14" wide, covered by appliance drops that are no more than 30" apart?	Design:	**Yes**	Actual:	**Yes**
Are there any Tilt Skillets or Braising Pans?			Actual:	**No**
Are there any other Appliance Specific coverages?			Actual:	**Yes**

Other Notes:

N/A

Other Notes:

N/A

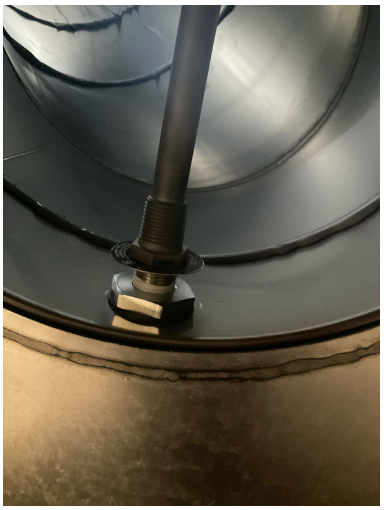
Installation Notes:

Currently is not piped correctly.
4 nozzles on one drop.

What Is the Hood/Appliance Rated Temperature?			Actual:	**Light/Medium 450F**
Have shipping covers been removed from all Fire Stats?	Design:	**Yes**	Actual:	**Yes**
Upload photos verifying correct Fire stats (360 or 600) have been installed.	Design:	**Complete**	Actual:	**Complete**

Other Notes:

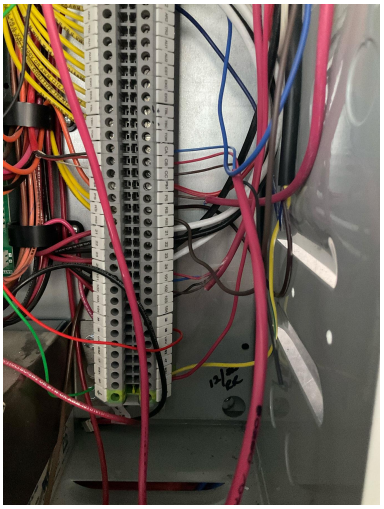
N/A



Are any gas appliance discharge flues within 18" of Fire-Stat?	Design:	**No**	Actual:	**No**
Is supervised loop wiring above hood ran with high temp (842 degree) wire?	Design:	**Yes**	Actual:	**Yes**
Is MAD wired in a supervised loop, utilizing 4 wires and metal conduit? (upload photo of MAD terminals)	Design:	**Yes**	Actual:	**Yes**

Other Notes:

N/A



Is MAD installed 10-20' from hood, 42-48" above the floor, at a point of egress? (upload photo of location in room)	Design:	**Yes**	Actual:	**Yes**

Other Notes:

N/A

Has CORE Interlock been wired (If multiple fire systems present)?			Actual:	**Yes**
Are DIP switches set correctly according to number of Fire Groups?			Actual:	**Yes**
Did CAS Service Supervise, Assist, or Wire supervised loop connections?			Actual:	**Only verified connections at MAD and terminals**
Calculate the total number of Flow Points.	Design:	**91**	Actual:	**91**
Is Gas Valve Orientation Correct?			Actual:	**Yes**
Is the TANK system located in a climate-controlled area?			Actual:	**Yes**
Is the Pressure Switch functioning properly?			Actual:	**Yes**

CAS Service

Who holds the TANK Fire System PO?			Actual:	**3rd Party Distributor**

Other Notes:

Koorsen fire

Did CAS complete OR witness the final TANK testing?			Actual:	**Yes**
Activate each Manual Activation Device: do all balloons fill and hold pressure properly?			Actual:	**Yes**
Activate each Fire Stats w/ heat gun: do all balloons fill and hold pressure properly?			Actual:	**Yes**
Does Fire System activate while on Battery backup only?			Actual:	**Yes**

Does Gas Valve close in fire condition?		Actual:	**Yes**
Perform leak test for 15 minutes as outlined in manual. Did system pass leak test?		Actual:	**Yes**
Has the Fire System been finalled and tagged?		Actual:	**No**

Other Notes:

Inspection not complete

Are all Nozzle caps w/ lanyards intact and in place?		Actual:	**Yes**
Does every TANK bottle show 200 PSI on the pressure guage?		Actual:	**Yes**

Other Notes:

N/A

Are TANKS installed secured with straps and mounting hardware?	Design:	**Yes**	Actual:	**Yes**
Could a Hood-mounted Utility Cabinet have been used instead of a Wall Mount Cabinet?			Actual:	**No**
Date written on batteries w/ paint pen:			Actual:	**4/17/2025 6:21:00 PM**

TANK Fire Suppression 2 (FS2)

Location : Hood #3 - Utility Cabinet Left

87-300030-001-CHG2 Questions

All Schrader cores installed and caps secured tightly	Design:	**Yes**	Actual:	**Yes**

Is Building Alarm wired In?	Design:	**Yes**	Actual:	**Yes**

Other Notes:

N/A

Is Trouble Relay wired in?	Design:	**Yes**	Actual:	**No**
TANK Board Software Version	Design:	**1.71**	Actual:	**1.71**
TANK Hardware Version			Actual:	**2.3**

Electrician

Verify Voltage at H1 and N1 is 120VAC.	Actual:	**121**
Verify the Voltage at H1D and N1D is 27.5 VDC	Actual:	**27.5**

Fire System Contractor w/CAS Supervision

Take photos of entire appliance lineup.	Actual:	**Complete**

Other Notes:

N/A

Does the appliance lineup match with the NOLA drawings?			Actual:	**Yes**
Is all distribution piping 3/8" black iron, Stainless-Steel, or 1/2" Copper?	Design:	**Yes**	Actual:	**Yes**
Does the supply line piping from the TANKs to the first overlapping nozzle exceed 42ft?	Design:	**No**	Actual:	**No**
Are all appliance drops 3/8" polished Stainless-Steel or chrome-plated black iron?			Actual:	**Yes**
Are the first and last appliance nozzles within 12" of the ends of the hazard zone?	Design:	**Yes**	Actual:	**Yes**
Are all overlapping nozzles a maximum of 15" from Front/Back of Hazard Zone?	Design:	**Yes**	Actual:	**Yes**
Are all overlapping nozzles 35-50" above the cooking surface?	Design:	**Yes**	Actual:	**Yes**
No appliance drop has more than 2 nozzles.	Design:	**True**	Actual:	**True**
Does any appliance branch piping exceed max length of 10ft?	Design:	**No**	Actual:	**No**
Does the correct number of nozzles cover each Duct Riser?	Design:	**Yes**	Actual:	**Yes**
Do any backshelfs overhang a cooking surface 6" - 12"?			Actual:	**No**
Do any backshelfs/obstructions overhang a cooking surface more than 12"?			Actual:	**No**
Are there any Salamanders or Upright Broilers?			Actual:	**No**
Are there any Woks?			Actual:	**No**
Are there any fryers?			Actual:	**No**

Are there any Tilt Skillets or Braising Pans?			Actual:	**No**
Are there any other Appliance Specific coverages?			Actual:	**No**
What Is the Hood/Appliance Rated Temperature?			Actual:	**Light/Medium 450F**
Have shipping covers been removed from all Fire Stats?	Design:	**Yes**	Actual:	**Yes**
Upload photos verifying correct Fire stats (360 or 600) have been installed.	Design:	**Complete**	Actual:	**Complete**

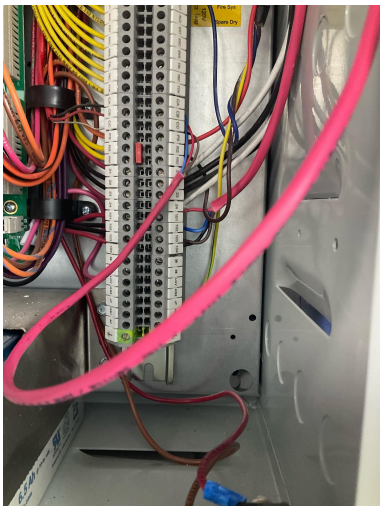
Other Notes:

N/A

Are any gas appliance discharge flues within 18" of Fire-Stat?	Design:	**No**	Actual:	**No**
Is supervised loop wiring above hood ran with high temp (842 degree) wire?	Design:	**Yes**	Actual:	**Yes**
Is MAD wired in a supervised loop, utilizing 4 wires and metal conduit? (upload photo of MAD terminals)	Design:	**Yes**	Actual:	**Yes**

Other Notes:

N/A



Is MAD installed 10-20' from hood, 42-48" above the floor, at a point of egress? (upload photo of location in room)	Design:	**Yes**	Actual:	**Yes**

Other Notes:

N/A

Has CORE Interlock been wired (If multiple fire systems present)?			Actual:	**Yes**
Are DIP switches set correctly according to number of Fire Groups?			Actual:	**Yes**
Did CAS Service Supervise, Assist, or Wire supervised loop connections?			Actual:	**Only verified connections at MAD and terminals**
Calculate the total number of Flow Points.	Design:	**44**	Actual:	**44**
Is Gas Valve Orientation Correct?			Actual:	**Yes**
Is the TANK system located in a climate-controlled area?			Actual:	**Yes**

Is the Pressure Switch functioning properly?	Actual:	**Yes**

CAS Service

Who holds the TANK Fire System PO?	Actual:	**3rd Party Distributor**

Other Notes:

Koorsen

Did CAS complete OR witness the final TANK testing?	Actual:	**Yes**
Activate each Manual Activation Device: do all balloons fill and hold pressure properly?	Actual:	**Yes**
Activate each Fire Stats w/ heat gun: do all balloons fill and hold pressure properly?	Actual:	**Yes**
Does Fire System activate while on Battery backup only?	Actual:	**Yes**
Does Gas Valve close in fire condition?	Actual:	**Yes**
Perform leak test for 15 minutes as outlined in manual. Did system pass leak test?	Actual:	**Yes**
Has the Fire System been finalled and tagged?	Actual:	**No**

Installation Notes:

Inspection not completed

Are all Nozzle caps w/ lanyards intact and in place?	Actual:	**Yes**
Does every TANK bottle show 200 PSI on the pressure guage?	Actual:	**Yes**

Other Notes:

N/A

Are TANKS installed secured with straps and mounting hardware?	Design:	**Yes**	Actual:	**Yes**
Could a Hood-mounted Utility Cabinet have been used instead of a Wall Mount Cabinet?			Actual:	**No**
Date written on batteries w/ paint pen:			Actual:	**4/17/2025 6:44:00 PM**

PCU Installations

NONE

PCU Installations

NONE

AQEs

NONE

UDS

NONE