SDV Job #: 6938880 - Cava - Durham, NC_R2

Service Region:	339 - Central North Carolina Service
Service Person:	Robert Lafond

Customer Number:	511395	**Customer Name:**	Region 32 - MARYLAND OFFICE

Address: Cava Grill - TN
8128 Renaissance Parkway
#114
Durham, NC 27713

Region Job #:	6754747
Region Job Name:	Cava - Durham, NC_R2

Completed:	No	**Completed By:**	N/A
Completion Date:	N/A		

Hood Group 1

Exhaust CFM:	Design = 2381	Initial = 1739	Final = 2006	(84.3% of design)
Supply CFM:	Design = 1976	Initial = 1527	Final = 1633	(82.6% of design)
Supply AC CFM:	Design = 771	Initial = 586	Final = 586	(76% of design)

Installation Notes:

Punch Item: Mechanical Contractor
Hood has not been hung flush to the back wall. There is a gap that needs to be caulked to prevent the escape of grease laden vapors.

Hood 1

Other Notes:

Punch Item: General Contractor
The digital report reflects the below numbers for CFM

Exhaust 84% of design.

Supply 82% of design.

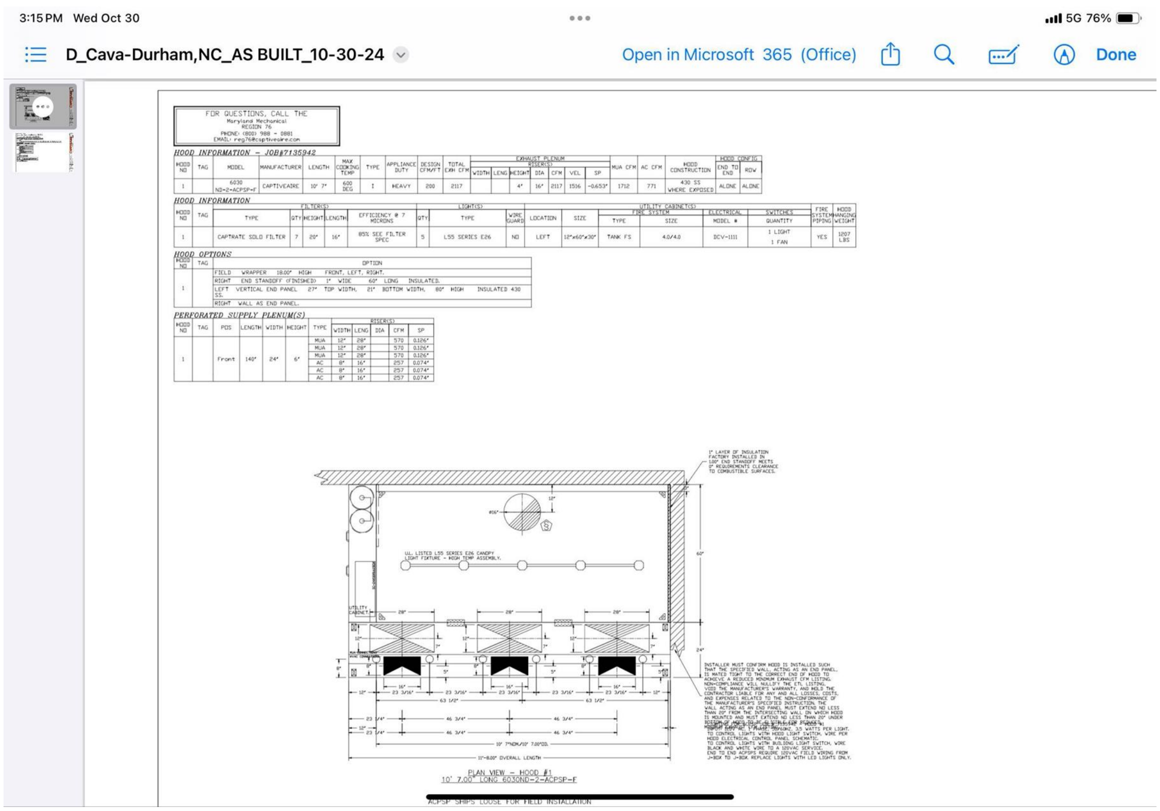
Please see attached image below of new corrected drawings for new design CFM. This will be the measure used going forward.

Exhaust design: 2117 CFM

Supply design 1712 CFM.

Exhaust is 94.7% of design. This cannot be increased any further.
Supply is 95.3" of design. This cannot be increased any further.

With these new parameters, site will pass mechanical code requirements for the hood balance.



Installation

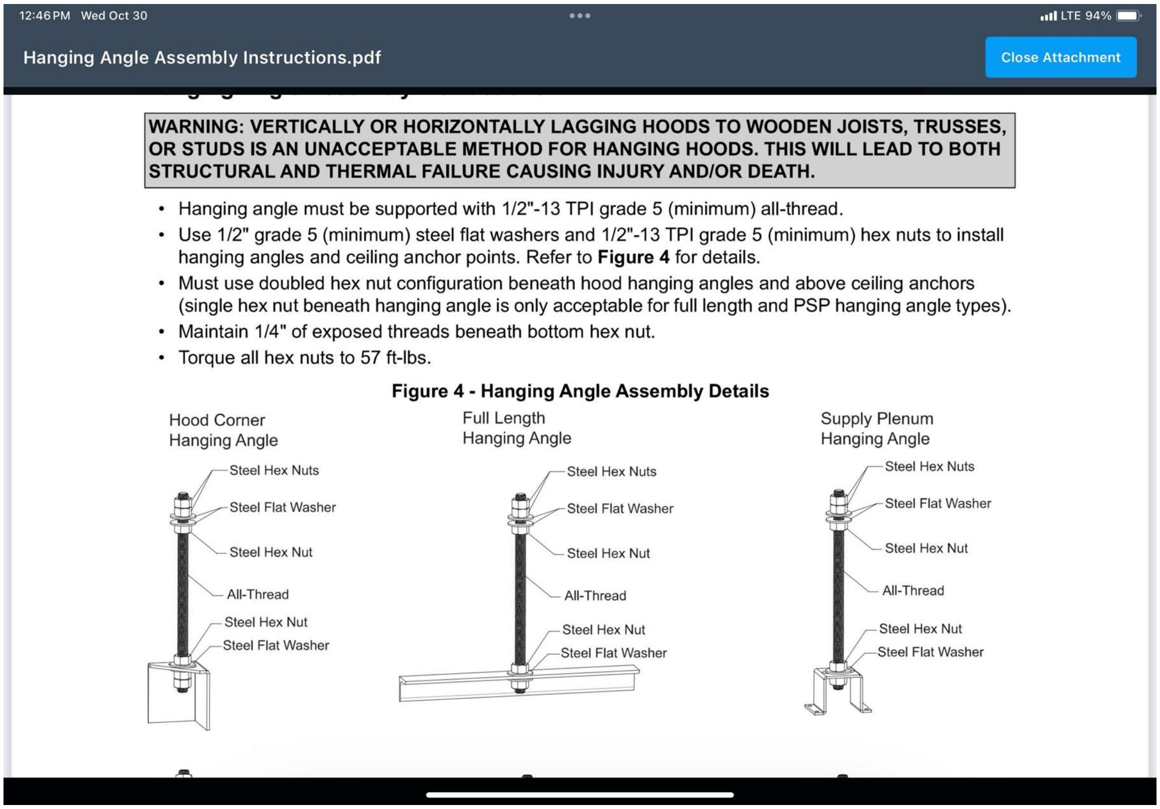
Hung Using appropriate material to safely secure hood. Design: **Yes** Actual: **No**

Installation Notes:

Punch Item: Mechanical Contractor

Double nut configuration not used to hang hood or PSP.

Two nuts and one washer should be used on every hanging bracket to secure hood.



WARNING: VERTICALLY OR HORIZONTALLY LAGGING HOODS TO WOODEN JOISTS, TRUSSES, OR STUDS IS AN UNACCEPTABLE METHOD FOR HANGING HOODS. THIS WILL LEAD TO BOTH STRUCTURAL AND THERMAL FAILURE CAUSING INJURY AND/OR DEATH.

- Hanging angle must be supported with 1/2"-13 TPI grade 5 (minimum) all-thread.
- Use 1/2" grade 5 (minimum) steel flat washers and 1/2"-13 TPI grade 5 (minimum) hex nuts to install hanging angles and ceiling anchor points. Refer to **Figure 4** for details.
- Must use doubled hex nut configuration beneath hood hanging angles and above ceiling anchors (single hex nut beneath hanging angle is only acceptable for full length and PSP hanging angle types).
- Maintain 1/4" of exposed threads beneath bottom hex nut.
- Torque all hex nuts to 57 ft-lbs.

Figure 4 - Hanging Angle Assembly Details

END PANELS INSTALLED CORRECTLY	Design:	**Yes**	Actual:	**No**

Installation Notes:

Punch Item: Mechanical Contractor

this end panels should be installed before the fire final.

Supply

Supply CFM: (82.6% of design)	Design = 1976 Fan: #2 - A1-D.250-15D-MPU	Initial = 1527	Actual = 1633
AC CFM: (76% of design)	Design = 771	Initial = 586	Actual = 586

PSP 1

AC Readings:

Other Notes:

Punch Item: General Contractor
The unit that served the ACPSP had a motor fail the day before CASService arrived for SDV. The ACPSP could not be measured at time of SDV.

this is according to Joe

Fans

Fan 1 - USBI15DD-RM

Model: USBI15DD-RM

Exhaust

Exhaust CFM: Design = 2381 Actual = 2006 (84% of design)

Check Vibration Isolators?	Design:	**Yes**	Actual:	**Yes**

Installation Notes:

Punch Item: Mechanical Contractor

Vibration isolators were not installed on this fan.

If there are vibration issues or complaints coming from suite neighbors this will be the reason why.

Vibration did not seem bad when I was on the roof for the SDV.

The isolators and the grease pan was found inside the USBI. These were then tucked under the duct near the fan for easy finding.


ANGLE
1/8" X 2" - 4 FT

Fan 2 - A1-D.250-15D-MPU

Model: A1-D.250-15D-MPU

Supply

Supply CFM: Design = 1976 Actual = 1633 (83% of design)

Is Supply Fan bolted/secured to curb?	Design:	**Yes**	Actual:	**No**

Installation Notes:

Punch Item: Mechanical Contractor

Supply fan is not bolted to the curb.

The supply fan is also not resting entirely on the curb for the filter bank. See pictures attached. A block of wood is currently in place supporting this structure.

If the supply fan slides at all this support could fail.

Supply fan should be bolted to the curb to prevent any movement.

ECPs

ECP 1 - DCV-1111

Package #: DCV-1111

Smart Control

ALL LIGHTS WORK — Design: **Yes** — Actual: **No**

Installation Notes:

Punch Item: Electrician

Light bulbs need to be installed into hood.

voltage was verified at the sockets.

The PSP light circuit has not been tied into the main light circuit. this should be done before the fire final. There is a junction box above the hood on the left side of the hood where conduit can be landed.

TANK

TANK ECP 1

Location : Hood #1 6030ND-2-ACPSP-F: Fire Cabinet on the Left Side [4.0/4.0]

TANK Fire Suppression 1

Location : Hood #1 - Utility Cabinet Left

Fire System Contractor w/CAS Supervision

MAD Installed 10'-20' from Hood at a Point of Egress and 42"-48" AFF — Design: **Yes** — Actual: **No**

Installation Notes:

Punch Item: Fire System Contractor

MAD is located roughly 8.5’ from hood.

This is acceptable if accepted by the AHJ performing the inspection.