

Report By:

National TAB  
1329 E. KEMPER ROAD  
SUITE 4210  
CINCINNATI, OH 45246

**NATIONAL**

**TAB**

Comfort. Under control.

**Report: test report**  
**Function: Test, Adjust, & Balance**  
**Date: 09/27/2022**

# PROJECT

## 08-29 CARMAX #7159 MODESTO, CA

4300 MCHENRY AVE

MODESTO, CA

Client

Comfort Systems USA

# National TAB

Project: 08-29 CARMAX #7159 MODESTO, CA

## Table Of Contents

Section	Page #
File Data	3
File Data	4

## Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

### RTU's (Roof Top Units) w/ Diffusers

Each of the RTU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that tolerance is noted throughout the report.

### General Exhaust Fans w/ Grilles

The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. Any equipment that fell outside of this tolerance is noted throughout the report.

### Final Building Tests

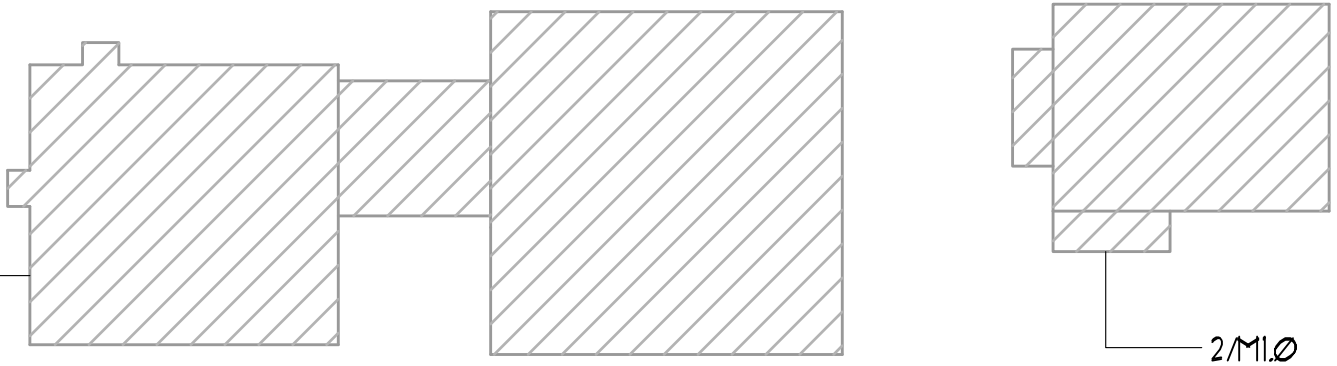
After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances of  $-0.02''$  wc to  $+0.02''$  wc and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report.

The hood capture was tested at the perimeter of the hood and the cook top level with the equipment heat on to ensure satisfactory hood capture and containment.

EF-19 ①

1

BE REMOVED & REPLACED & EXISTING CURB TO REMAIN  
CONDENSATE TO EXISTING  
TO EXISTING  
REQUIRED  
IT TO REMAIN  
CURB REPLACED WITH NEW UNIT ON NEW CURB  
FAN. CAP CURB. CURB CAP TO BE INSULATED WITH 2" POLYSTYRENE  
ROOF. SEE 1/M2.1 FOR CONTINUATION



KEY PLAN

# CARmax

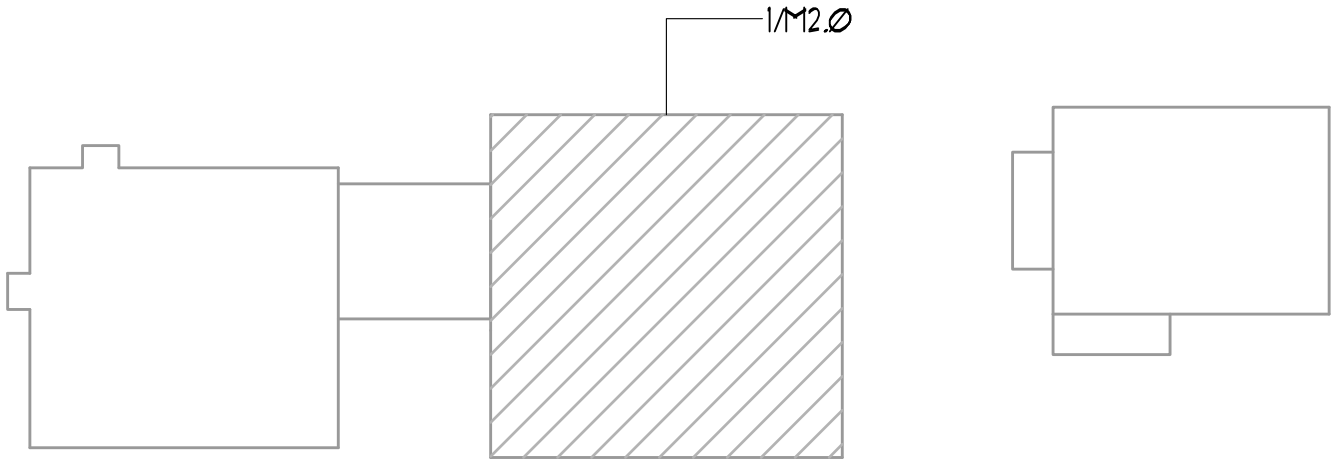
## THE AUTO SUPERSTORE

CARMAX THE AUTO SUPERSTORE WEST COAST, INC.  
12800 TUCKAHOE CREEK PARKWAY, RICHMOND, VA 23238  
(804) 747-0422

**STORE NO. 7159**  
**4300 MCHENRY AVE.**  
**MODESTO, CALIFORNIA**

<b>PROJECT NO</b>	20241
<b>DATE</b>	20 JAN 2021
<b>SHEET TITLE</b>	ROOF PLANS - HVAC
<b>SHEET NO</b>	<b>M1.0</b>

# PLAN — HVAC



KEY PLAN

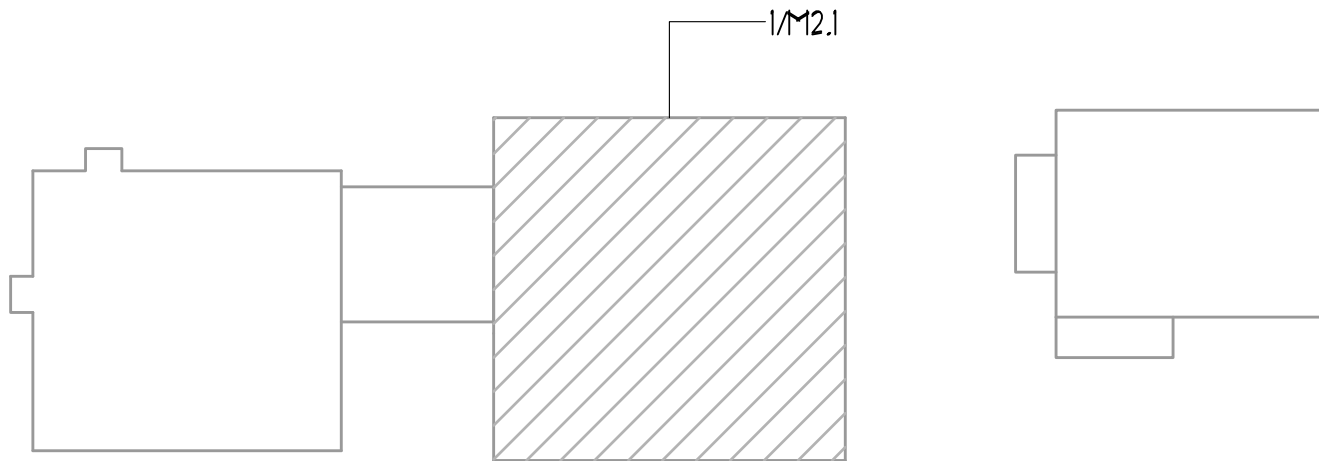
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PROJECT NO	20241
DATE	20 JAN 2021
SHEET TITLE	DEMO PART PLAN - HVAC
SHEET NO	<b>M2.0</b>



KEY PLAN

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DATE

20 JAN 2021

SHEET TITLE

FLOOR PLAN - HVAC

SHEET NO

**M2.1**