Temporary OA T&B Guidance for Stores with 2 Dehumidification RTUs

Overview:

With the addition of the 2nd dehumidification RTU and units only being provided with economizers when required by code the overall OA balance strategy slightly changes:

Note:

- OA = Code required ventilation or pressurization air, whichever is greater.
  - Pressurization Air = (sum of all store exhaust)*1.1
- RTUs with NO economizer but demand control ventilation will receive 35% max motorized dampers
- RTUs with economizer will receive typical 100% max motorized dampers.

Direction:

- OA Option #1:
  a. All OA is routed through 2 dehumidification RTUs
  b. % outdoor air may not exceed 20% of the total RTU air volume for either unit
     - If %OA exceeds 20% for either unit then option #2
  c. Stock Room & Rx Units see below
- OA Option #2:
  a. As much OA as possible is to be routed through the dehumidification RTUS (up to 20% total air flow for each unit.)
  b. Remainder of OA is to be routed through other RTUs with demand control ventilation in the following order of priority (OA never to exceed 20% total air flow for any unit):
     - Sales Floor RTU
     - Photo RTU
     - BOH RTU
     - Stock Room RTU
     - RX RTU (RX RTU is to be used at last resort)
  c. If no other RTUs have Demand control Ventilation then option 3
- OA Option #3:
  a. As much OA as possible is to be routed through the dehumidification RTUS (up to 20% total air flow for either unit.)
  b. Remainder of OA is to be routed through RTUs with manual dampers (not to exceed 20% total air flow for either unit) in the following order of priority:
     - Dedicated Sales Floor RTU
     - Dedicated Photo RTU
     - Sales Floor/BOH RTU
     - If none of the above, are available contact WAG Eng. for guidance
- RX RTU:
  a. Demand Control Ventilation: Min setpoint is to be 0 cfm
  b. No Demand Control Ventilation (manual damper): damper is to be shut (0 cfm OA)
- Stock Room:
  a. RTU should always have demand control ventilation
     - Minimum Set point is to be 0 cfm
     - Exception is if unit is needed for store pressurization purpose