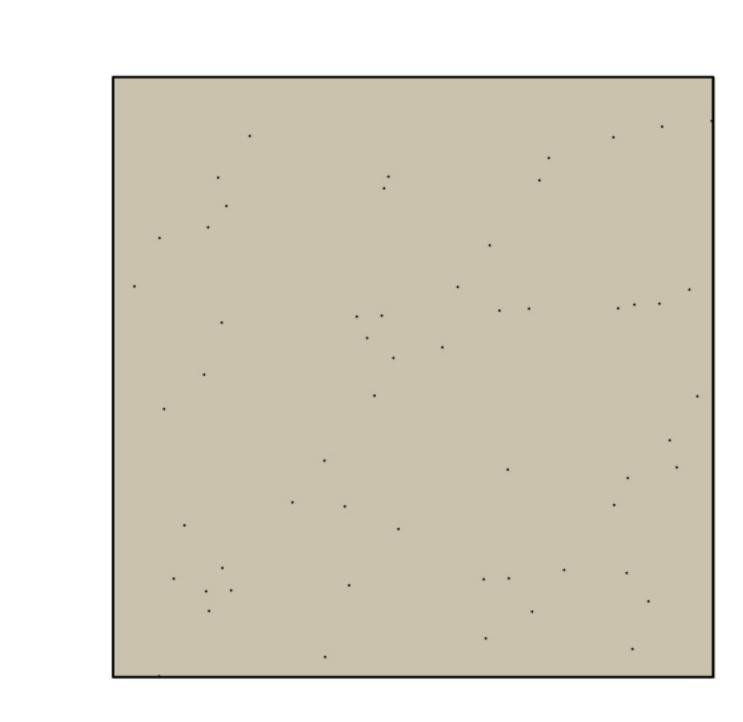




TONGUE & GROOVE ABODO & ACCOYA WOOD SIDING, resawn timber co.: Weka, sealed on all 4 sides. Solid +/- 3/4" thick +/- 5-3/8" Wide x 6'-16' random lengths.

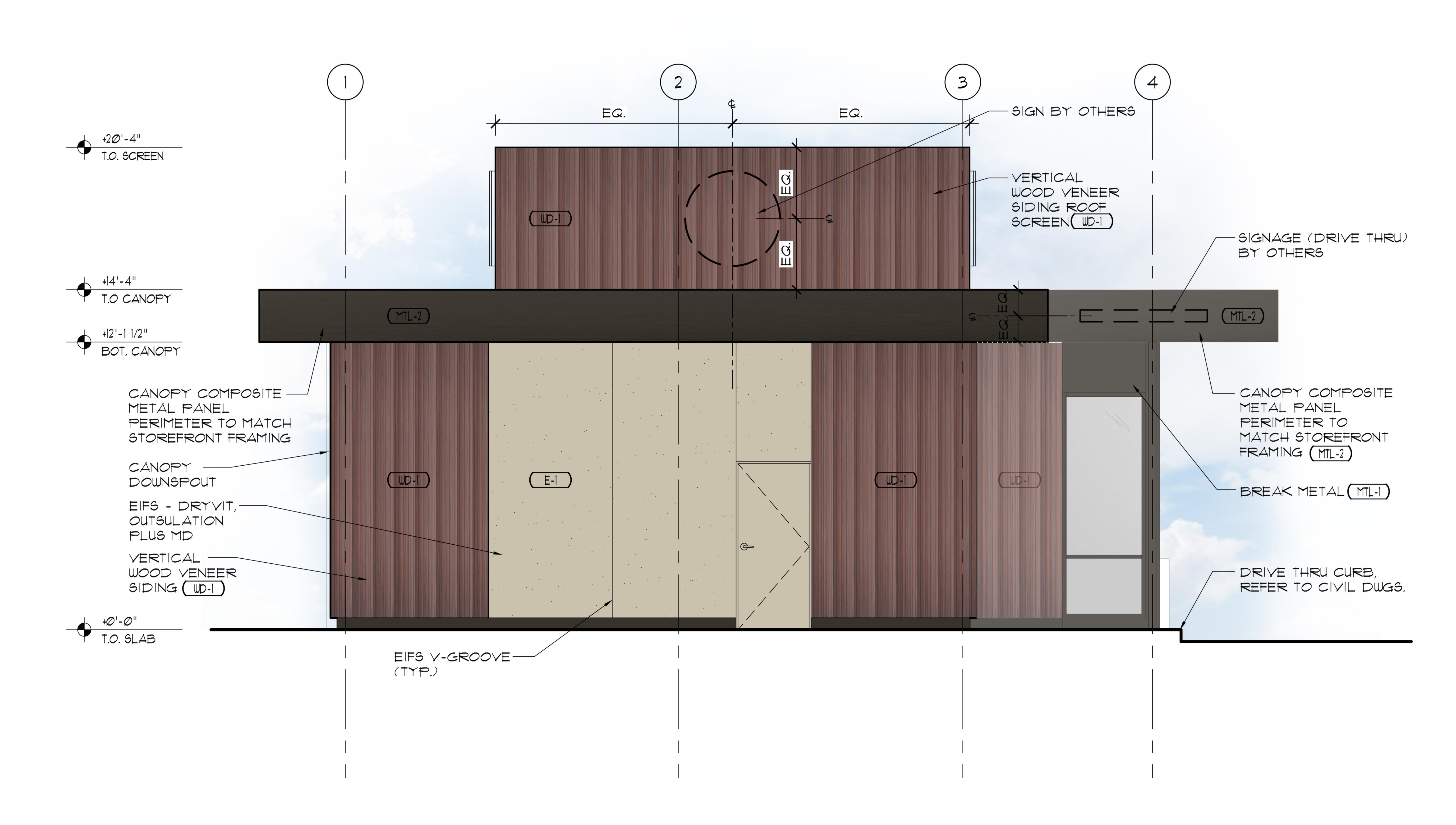


DRYVIT, OUTSULATION PLUS MD, SANDPEBBLE FINE TEXTURE W STRATOTONE COLORANT, COLOR: STAR Ø5 1022ST.

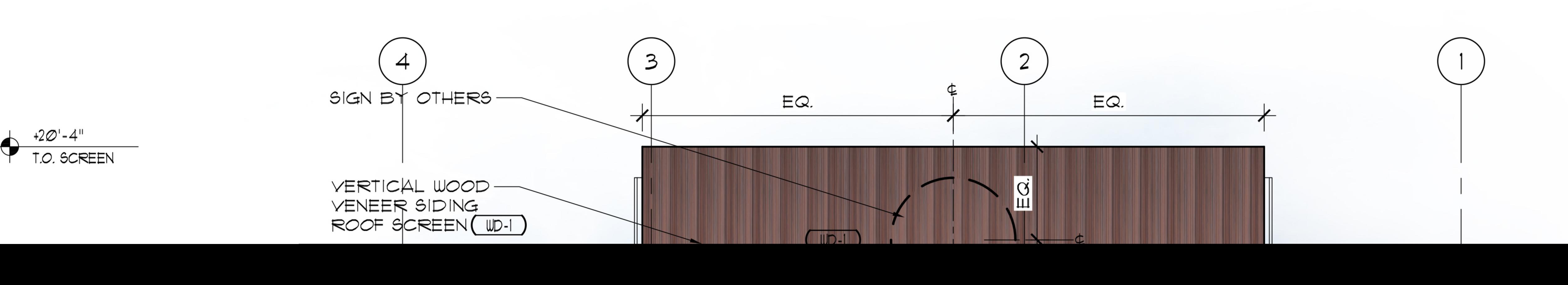




(MTL-2) METAL CANOPY CLADDING COLOR: PREFINISHED MATCH ALUMINUM STOREFRONT



NORTH ELEVATION SCALE: 1/4"=1'-0"





June 11, 2024

Attn: Christopher E. Martin, P.E. // Director of Engineering & Planning

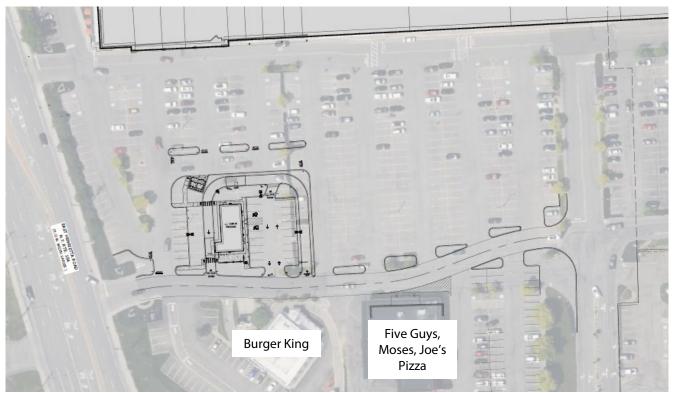
Town of Henrietta 475 Culver Road Henrietta, NY 14623

Re: Starbucks at 1100 Jefferson Road (Henrietta Plaza)

Town of Henrietta, NY Traffic Circulation Assessment Passero Project No: 20233509.0001

### Dear Mr. Martin:

This letter presents a summary of traffic circulation observations at the Henrietta Plaza in connection with the proposed Starbucks outparcel. The assessment was performed in response to feedback from the Town related to internal traffic implications of the placement of the Starbucks, redesign of the parking lot, and potential alterations in traffic flow under future build conditions. It is our professional opinion that the proposed Starbucks and associated parking lot design will reduce internal conflict points and provide more organized traffic flow.



Concept site plan and surrounding area.

# Starbucks at 531 Elmwood Avenue, City of Buffalo, NY

Trip Generation Assessment Project No: 20243882.0001

June 11, 2024

### **General Observations**

Passero Associates recorded traffic operations internal to the site and east-west drive aisle immediately adjacent to the Burger King, Moe's, Joe's Brooklyn Pizza, and Five Guys on June 5, 2024, from 7:00 to 9:00 AM, 11:00 AM to 1:00 PM, and 4:00 to 6:00 PM. The traffic camera was



Screenshot of video recording from camera facing east. The Burger King is right of center in the image. The inset image shows the location of the traffic camera (star).

- Overall, traffic volumes peaked during the lunchtime period from approximately 11:50 AM to 12:40
  PM when considering all three peak periods. Burger King does generate traffic during the morning
  breakfast period; however, Moe's Joe's, and Five Guys do not open until 10:00 or 11:00 AM; beyond
  the typical peak period of Starbucks.
- There appeared to be an equal distribution of traffic associated with Burger King using the Plaza's westerly driveway, Jefferson Road driveway, and parking area to the north (where the proposed Starbucks is planned).
- Larger vehicles utilized, as noted in the screenshot above, the parking areas to walk across the drive aisle to patronize Burger King. This is also the case for the eateries further to the east (e.g., Moe's, Joe's, and Five Guys).
- There were no westbound vehicle queues extending beyond the installed traffic camera for traffic exiting the site.
- Drivers used the parking area to make U-turns.
- Drivers frequently cut across the parking aisles, parking lot, and parking spaces instead of using the drive aisles when traveling through the Plaza.



# Starbucks at 531 Elmwood Avenue, City of Buffalo, NY

Trip Generation Assessment Project No: 20243882.0001

June 11, 2024

- Pedestrian traffic appeared to peak during the lunchtime period and consisted of random circulation patterns.
- In one instance, a westbound driver waiting to turn left into Burger King was overtaken on the right side of their vehicle by a following driver.
- Afternoon traffic volumes appeared to peak from approximately 4:00 PM to 4:40 PM.

# **Implications and Outcomes**

Based on the observations and considering the proposed action, the proposed Starbucks will offer positive outcomes for traffic flow within the Plaza.

- The project will construct parking lot islands at the ends of the drive aisles. This can reduce the crosscutting condition drivers were observed doing throughout each peak period and create more organized traffic flow internal to the parking lot aisles and along the primary drive aisle.
- The location of the Starbucks will also reduce the probability of drivers cutting across the parking lot as parked vehicles will be displaced to the available parking spaces reducing the perceived openness of the parking lot.
- The internal intersection east of the Starbucks will be redesigned as a four-way intersection. This will provide for more organized and orderly traffic flow and increase the visibility of drivers approaching each other.
- There are adequate sight lines between all access points servicing the proposed Starbucks and existing Burger King.
- The peak traffic generation of the existing eateries occurs during the lunchtime and afternoon periods when Starbucks traffic generation tapers off.
- Observations at coffee shops show that approximately 67% of visitors use the drive-through during the AM peak period and approximately 81% use the drive-through during the PM peak period. As shown in the *June 2023 Parking Study* (prepared by Passero) for the project, there is adequate parking to accommodate future demands.

Please feel free to contact me directly with any questions.

Sincerely,

David Kruse, AICP, PTP

Senior Transportation Planner

