

## **– Bytek Volkswagen Expansion and Renovation Project**

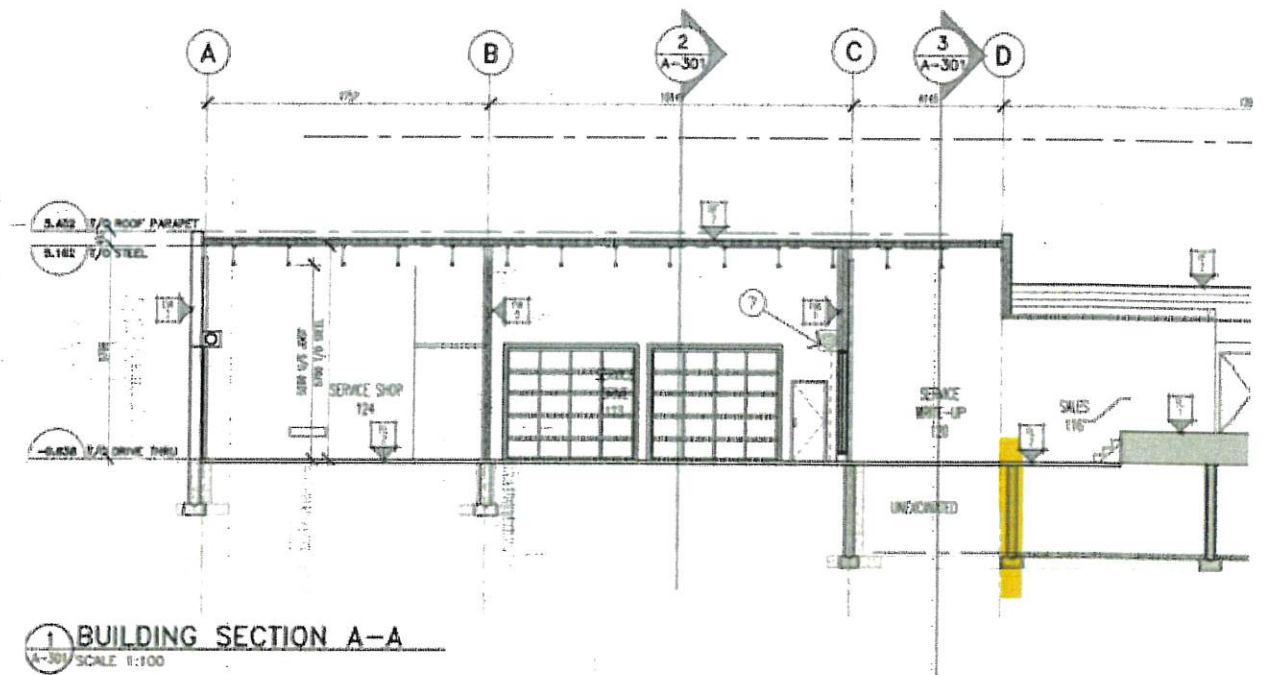
1. Refer to structural drawing S100: The distance between grid B and D (from the edge of the new addition to the existing building) is shown as 14,194mm (B to C: 10,049mm, C to D: 4,145mm), with the portion between grid A and B removed. However, architectural drawing A-102 indicates the new addition spans from grid A to D, with the distance from the edge of the new addition to the existing building being approximately 17,700mm. Since the architectural drawing aligns with the WEIS design drawings, S100 needs to be revised to include grid A and adjust the dimensions between each grid accordingly.
2. Refer to structural drawing S100: The three new pad footings located on grid 2.5 between F and G were originally marked as F3 but were changed to F4 in Addendum No. 5. Please update the Footing Schedule on drawing S005 to include this pad footing, as its dimensions and reinforcing steel details have not been provided.
3. Refer to structural drawing S100: It indicates that the existing foundation wall and footing on grid C, as well as the diagonal section between C and D, need to be removed. However, detail 1/A-301 shows a foundation wall and footing on grid C between Service Drive and Service Write-up, shaded in dark grey, suggesting they are existing. The following changes need to be made:
  - a. According to the A-102 Ground Floor Plan, the wall between Drive Thru and Service Advisors is located in between grid B and C, or about 8100mm from the existing building edge grid D, while the distance between C and D is only 4145mm. If a foundation and footing are required under this wall, S100 needs to be changed, and the detail on 1/A-301 needs to be adjusted as the foundation/footing should be new instead of existing.
  - b. If no foundation and footing are required under this wall, the detail on 1/A-301 needs to be changed.
4. Refer to structural drawing S100 (see the snapshot below), are foundation and footing required for the portion highlighted in yellow?

Q1. Structural Drawings Rev 3, and Arch drawing A102 Rev 2 accurately depict the East addition in terms of overall dimension. of 17700mm from A to D. RN BPA

Q2 Refer to Structural Drawings Rev 3. F4 is 1000x1000x300 c/w 5-15M BEW. Will update drawings for IFC. RN BPA

Q3. The existing wall on Gridline C is to be demolished. RN BPA

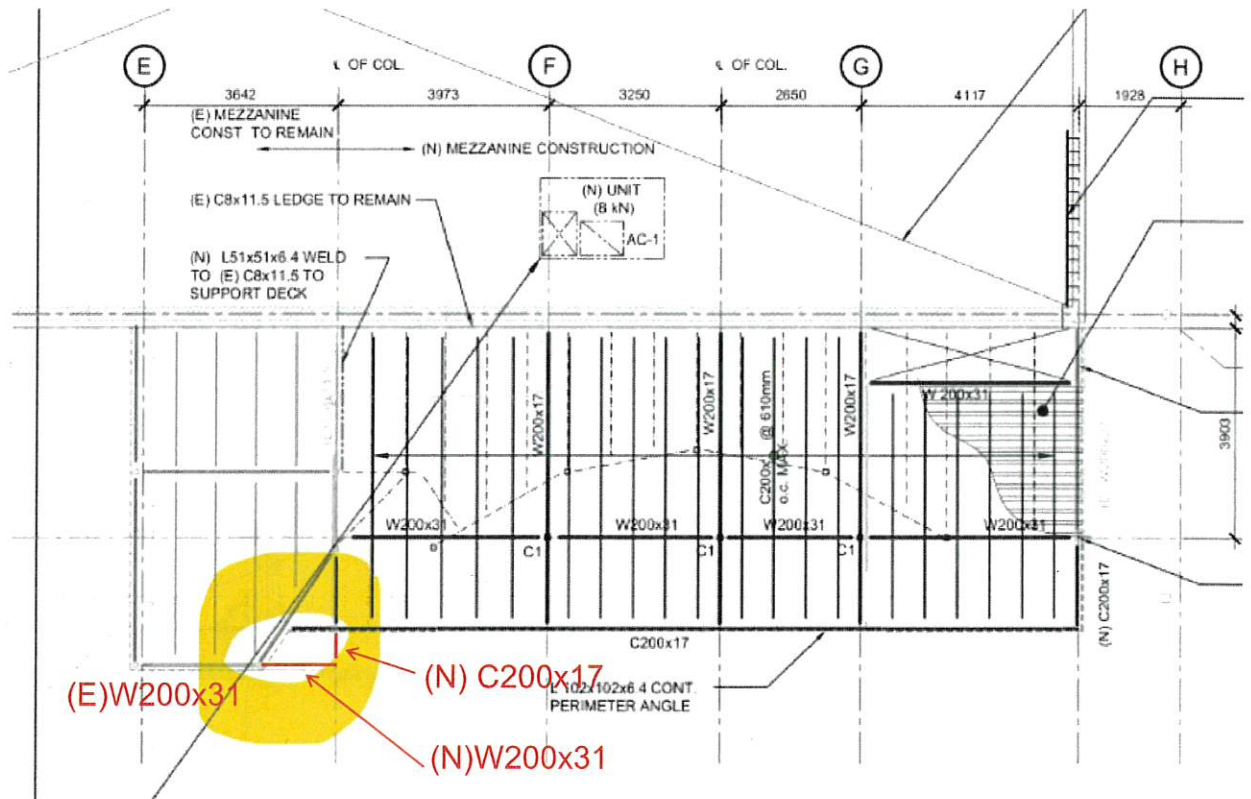
Q4. there is not existing foundation wall on D based on the existing structural drawings.



5. Refer to structural drawing S101 (see the snapshot below), please provide details on what need to be done with the existing columns in yellow.

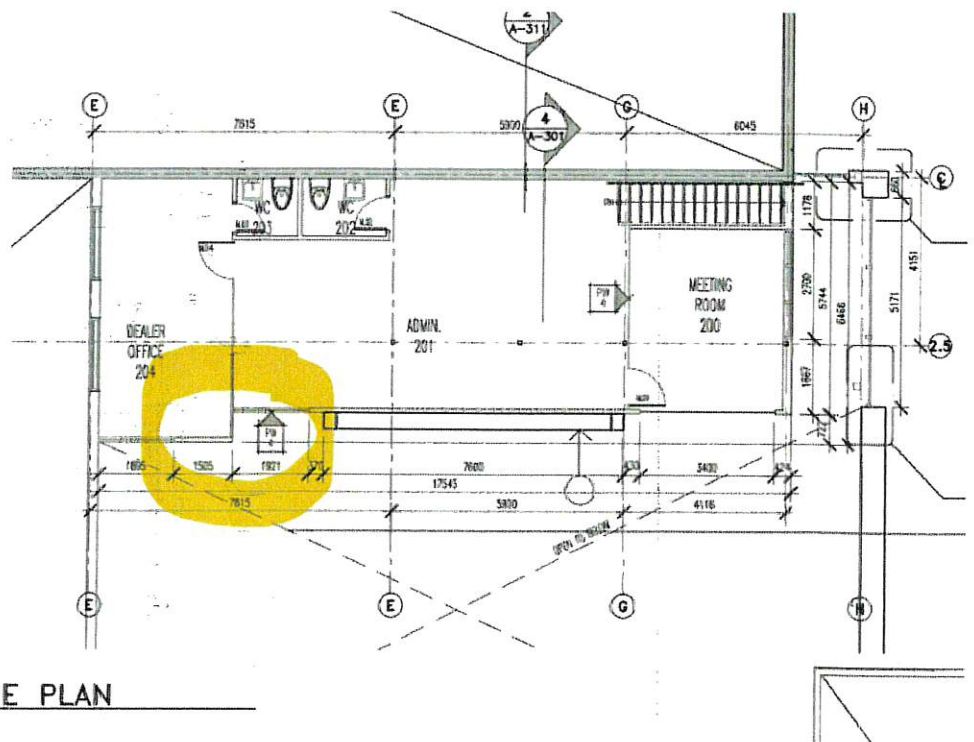
Q5. Infill old column opening with a 1/4" plate at underside of floor and 2.5" of concrete topping on top of new steel plate infill. RN BPA

6. Refer to structural drawing S102, similar to item #1 above, the new addition area between grid B and D needs to be revised to match architectural drawings.
7. Refer to structural drawing S102 (see the snapshot below), the portion in yellow doesn't have the same shape as on architectural drawing.



Q7. Extend existing W8x21 (W200x31 to square out floor and infill Concrete on Deck)  
Provide full moment and shear capacity for new W200x31 to existing W200x31





8. Refer to structural drawing S300, both Brace/Girts Frame Elevation (BF1 along Grid 1) and (BF1 along Grid 3) need to be revised with the same reason as Item #1.
9. Refer to structural drawing S300, South Elevation (Grid A) has been crossed out. Please provide one for this elevation.

Q8. See Answer to Question 1. RN BPA

Q9. There is no openings on this elevation and hence no girt requirement, just non load-bearing steel stud infill on along gridline A. RN BPA