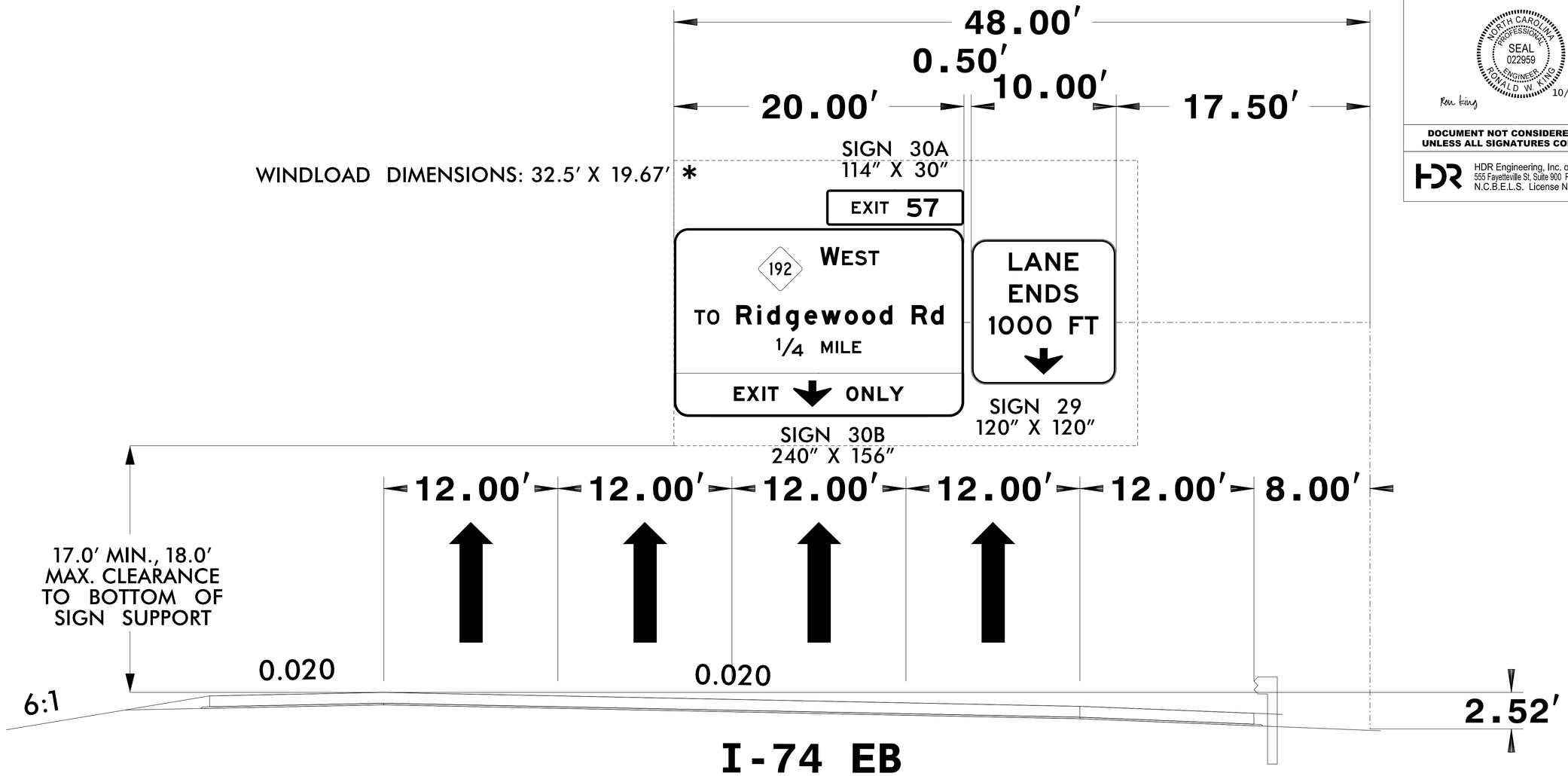
PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	SIGN-4II

NORTH CAROLINA PROFESSIONAL SEAL 022959 ENGINEER RONALD W. KING

Ron King 10/13/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

- THE WINDLOAD AREA WIDTH SHALL EXTEND 2′ OUTSIDE THE PROPOSED PRIMARY SIGN ON EACH SIDE OF THE SIGN. iN CASES WHERE THE WIND LOAD AREAS OF TWO SIGNS INTERSECT, THE TALLER AREA SHALL TAKE PRIORITY. FOR CANTILEVER STRUCTURES, THE WIND LOAD AREA SHALL BE FLUSH WITH THE EDGE OF THE PRIMARY SIGN AT THE CANTILEVERED END, SUCH THAT THE WIND LOAD AREAS DO NOT EXTEND PAST THE END OF A CANTILEVER SIGN STRUCTURE

- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2′ BELOW THE BOTTOM OF EACH SIGN AND 2′ ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

Overhead Assembly "O"
Sta. 826+00 -L-