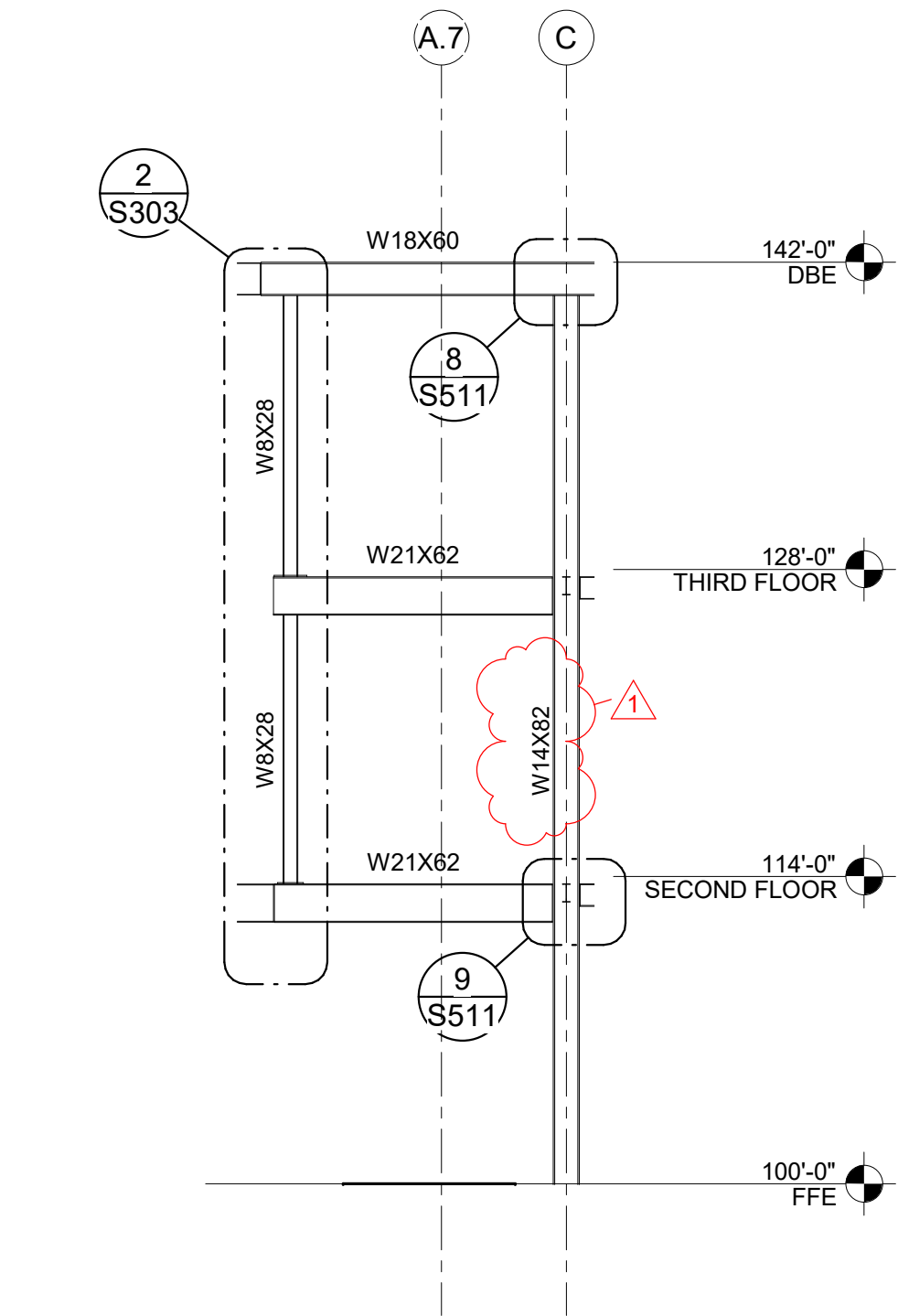


D
C
B
A

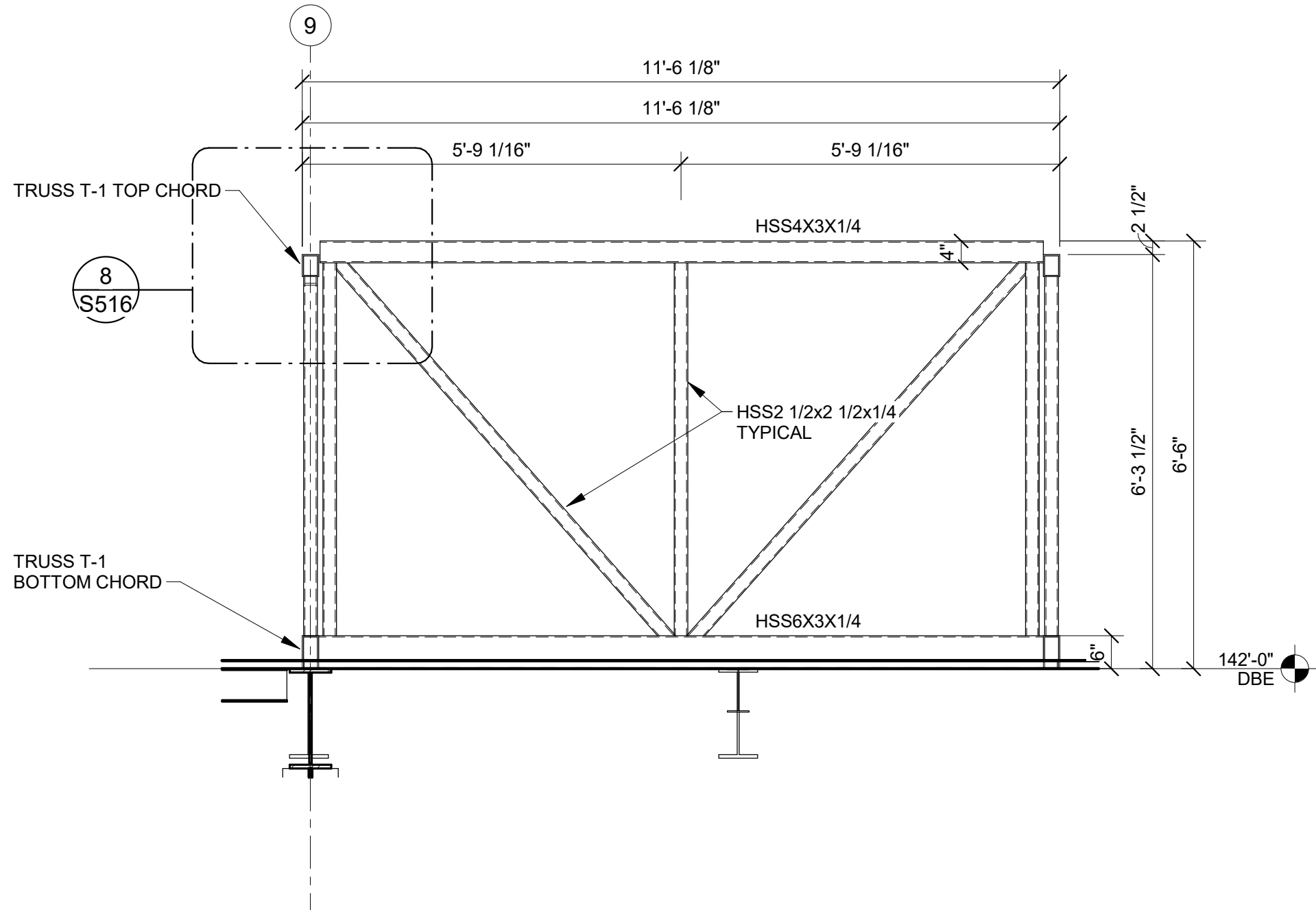
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6 5 4 3 2 1

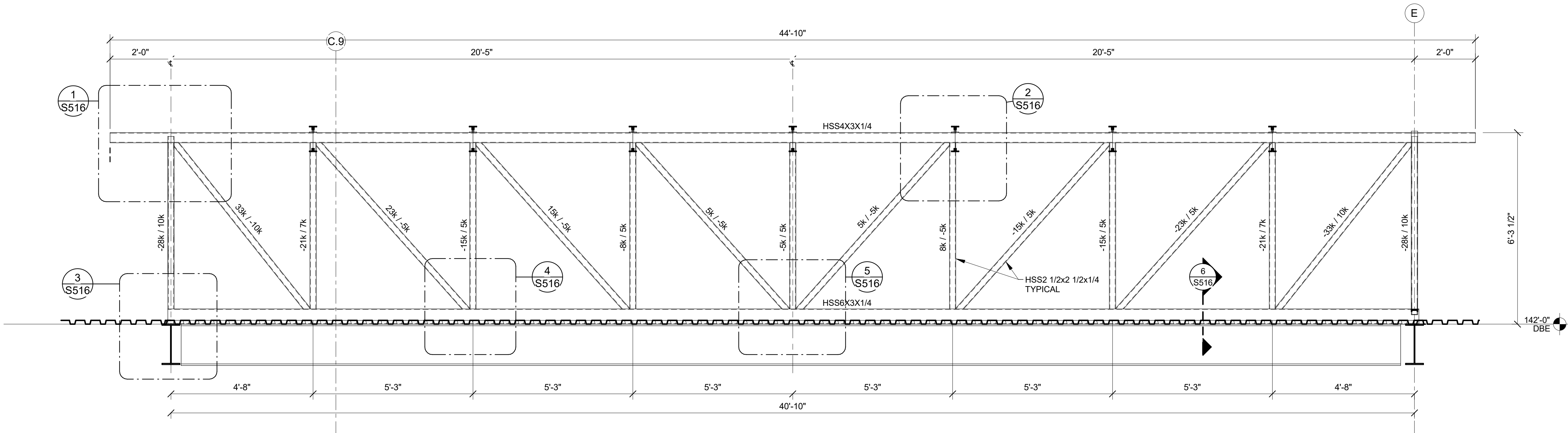
6 5 4 3 2 1



3 BRACING ELEVATION
S301 1/8" = 1'-0"



2 TRUSS T-2 ELEVATION
S301 1/2" = 1'-0"



1 TRUSS T-1 ELEVATION
S301 1/2" = 1'-0"

TRUSS CONNECTION DESIGN NOTES

1. ALL TRUSS MEMBER CONNECTION TO CHORD MEMBER CONNECTIONS ARE DIRECT-WELDED CONNECTIONS CONFORMING TO AISC STEEL CONSTRUCTION MANUAL, 13th Ed., CHAPTER K SECTION K.2, EXCEPT FOR ANY INDICATED FIELD WELDED WEB SPLICES.
2. FINAL WELD DESIGN OF ALL TRUSS CONNECTIONS AND SPLICES ARE COMPLETED BY THE STEEL FABRICATOR.
3. WORK POINTS OF ALL CONNECTIONS ALIGN TO THE CENTROID OF CONNECTED MEMBERS. THE FINAL DESIGN (BY FABRICATOR) MAY PROVIDE UP TO 1" OF JOINT ECCENTRICITY AT BOTTOM CHORD CONNECTIONS.
4. MEMBER LOADS AND SPLICE LOADS ARE FACTORED LOADS AND ARE THE ENVELOPE LOADS OF ALL LOAD COMBINATIONS.
a.(+) INDICATES TENSION OR FLEXURE THAT PLACES THE BOTTOM FACE OF THE MEMBER IN TENSION, UNITS OF K OR K-FT
b.(-) INDICATES COMPRESSION, OR FLEXURE THAT PLACES THE TOP FACE OF THE MEMBER IN TENSION, UNITS OF K OR K-FT
5. INDICATED TRUSS MEMBER LENGTHS ARE MEASURED BETWEEN WORK POINTS AND ARE PROVIDED TO FACILITATE MATERIAL TAKE-OFFS AND MILL ORDERING QUANTITIES. THEY ARE NOT INTENDED TO BE USED AS FINAL FABRICATION DIMENSIONS.
6. TRUSS MEMBER CONNECTION DESIGN SHALL CONSIDER A 10% STRESS REVERSAL, UNLESS LOADS OF OPPOSITE SIGN ARE PROVIDED.
7. ALL SHOP WELDS SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH SPECIFICATION 05 1200 - STRUCTURAL STEEL, AND THE INSPECTION REPORTS SHALL BE PROVIDED TO THE ENGINEER AND ARCHITECT PRIOR TO INSTALLATION OF THE TRUSSES.
8. TRUSSES T-1 AND T-2 ARE INTENDED TO BE SHIPPED AS COMPLETE UNITS WITH ALL MEMBER CONNECTION WELDING COMPLETED IN THE SHOP. IF THE TRUSSES ARE FIELD WELDED ALL CONNECTIONS SHALL BE FIELD INSPECTED WITH NON-DESTRUCTIVE WELD TEST METHODS.



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REVISION SCHEDULE

NO.	DESCRIPTION	DATE
1	BP#2 ADD #3	05/02/25

University of North Dakota
UND FLIGHT OPERATIONS BUILDING
2806 AIRPORT DR, GRAND FORKS, ND 58203

DATE
04/01/25
PHASE
BID PACK #2

PROJECT
20117
SHEET

S301
BRACING & TRUSS
ELEVATIONS