FOR ROLLED BEAMS, A CHARPY V-NOTCH TEST IS REQUIRED ON ALL BEAM SECTIONS, COVER PLATES AND SPLICE PLATES AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 1072-7 OF THE STANDARD SPECIFICATIONS.

WORK POINT LOCATONS ARE BASED ON THE BEST SURVEY INFORMATION AVAILABLE, CONTRACTOR SHALL FIELD VERIFY WORK POINT STATIONS BEFORE PREPARING SHOP DRAWINGS FOR THE STRUCTURAL STEEL. IF RESULTS FROM THE FIELD SURVEY DIFFER FROM DIMENSIONS SHOWN ON THE PLANS, CONTACT THE ENGINEER.

FOR AASHTO M270 GRADE 50W STRUCTURAL STEEL, SOLE PLATE & RETAINER TAB SHALL BE AASHTO M270 GRADE 50W AND SHALL NOT BE GALVANIZED. ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

AT THE CONTRACTOR'S OPTION. THE DIAPHRAGM WITH THE WELDED GUSSET PLATES MAY BE USED IN LIEU OF THE DIAPHRAGM WITH BOLTED ANGLES AT NO ADDITIONAL COST TO THE DEPARTMENT.

STRUCTURAL STEEL ERECTION IN A CONTINUOUS UNIT SHALL BE COMPLETE BEFORE FALSEWORK OR FORMS ARE PLACED ON THE UNIT.

## 8'-0" CV-12 8'-0" 8'-6" 8'-6" 8′-6″ CV-13 8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 8'-6" 8'-0" CV-14 8′-6″ 8′-6″ 10′-6″ CV-15 10'-6" 11'-0" 11'-0" 11'-0" 9'-6" 9′-6″ 9′-6″ 9′-6″ 9′-6″ CV-16

TOP OR BOTTOM OF FLANGE PLATES WHICH FALL WITHIN THESE LIMITS. ALL WEB PLATES AND ALL SPLICE PLATES. IF A PERMITTED SHOP FLANGE

STANLY, ROWAN AND DAVIDSON 45+22.65 -EBL-STATION:\_

SHEET 1 OF 7

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPERSTRUCTURE STRUCTURAL STEEL DETAILS UNIT 1

Ein Bhil of 9/2/2021 SHEET NO. REVISIONS NO. BY: S1-27 DATE: BY: DATE: SHEETS

1'-0" -¾"ØX6" ŚHEAR STUD (TYP.)

SHEAR STUD DETAILS

**PLANS PREPARED BY:** 

One Glenwood Avenue **Gannett Fleming** Raleigh, NC 27603

(919) 420-7660 Excellence Delivered As Promised NC Lic. No. F-0270

DOCUMENT NOT CONSIDERE FINAL UNLESS ALL SIGNATURES COMPLETED

OFESS/ON

SEAL 020208

VGINEER

T. FORD DATE : <u>04/2021</u> DRAWN BY: R.FISHER \_ DATE : <u>05/2021</u> CHECKED BY: DESIGN ENGINEER OF RECORD: R. NELSON DATE: 05/2021