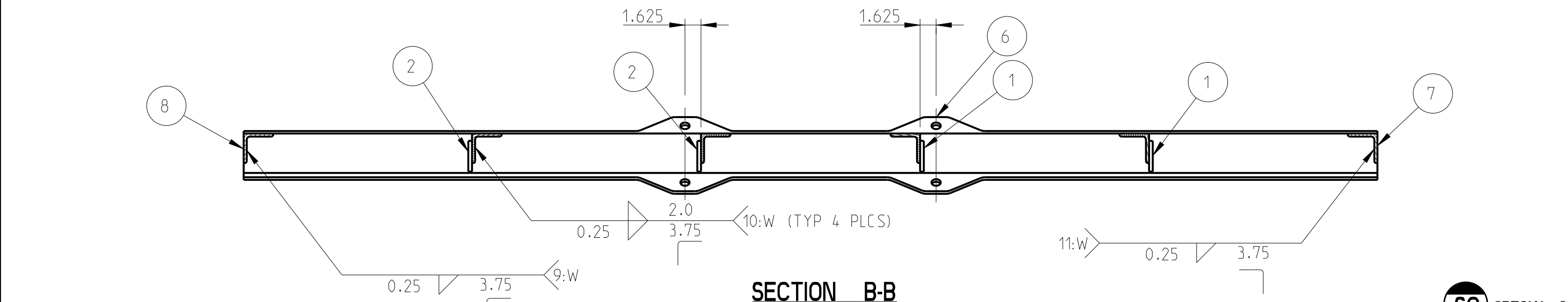
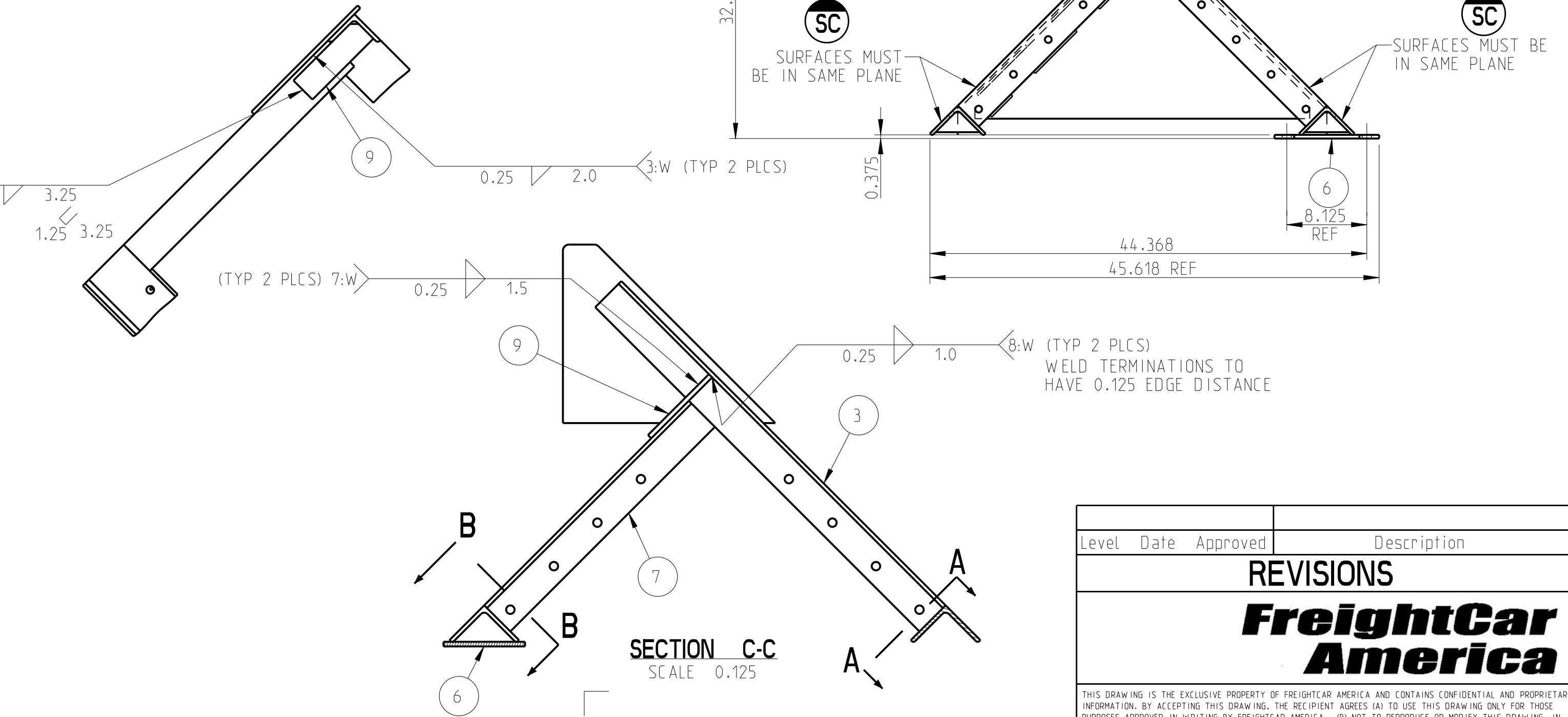
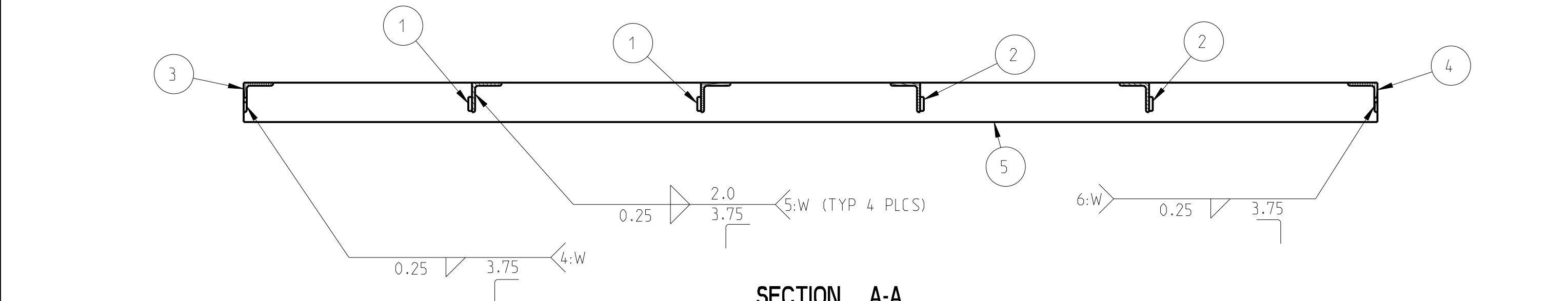
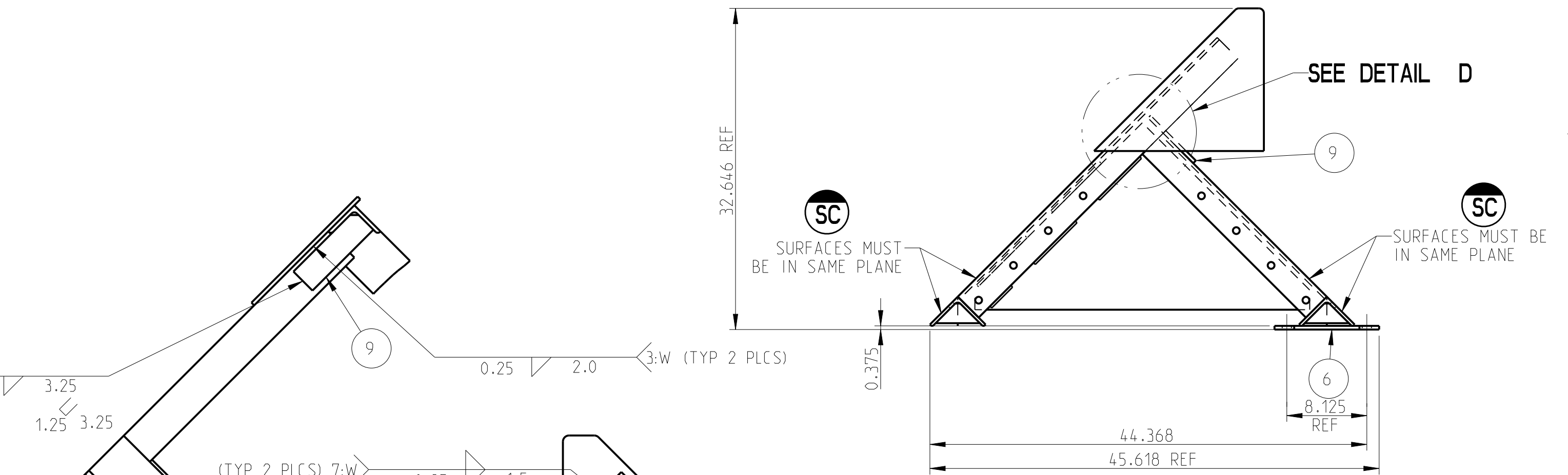
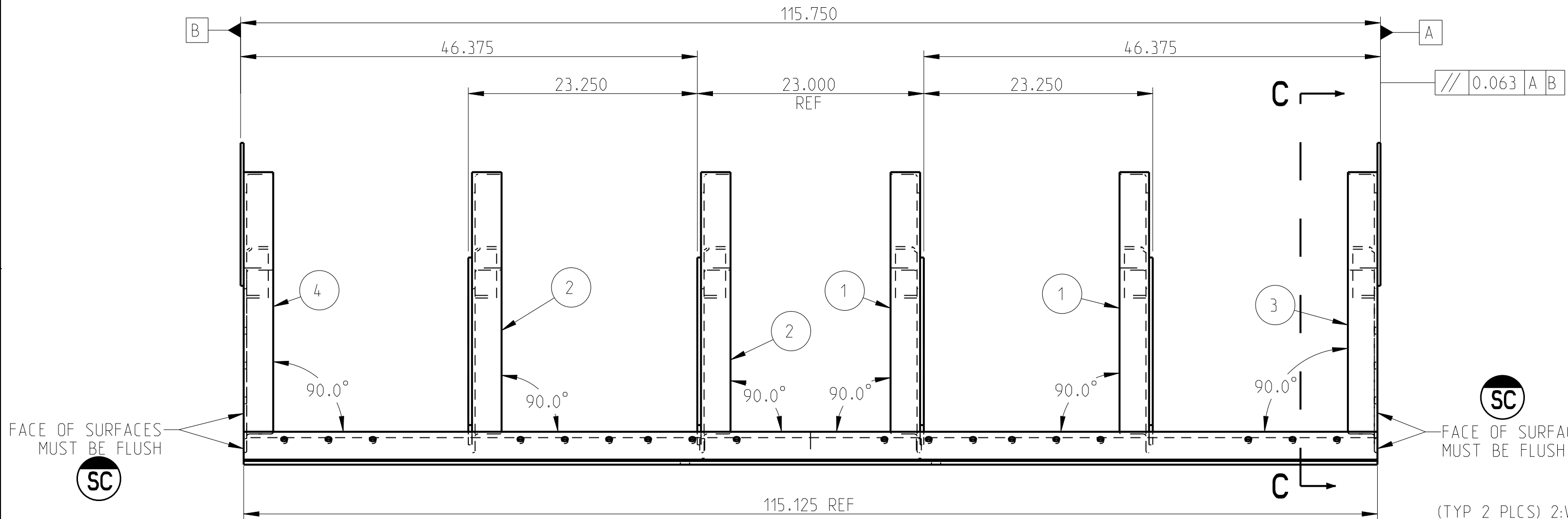
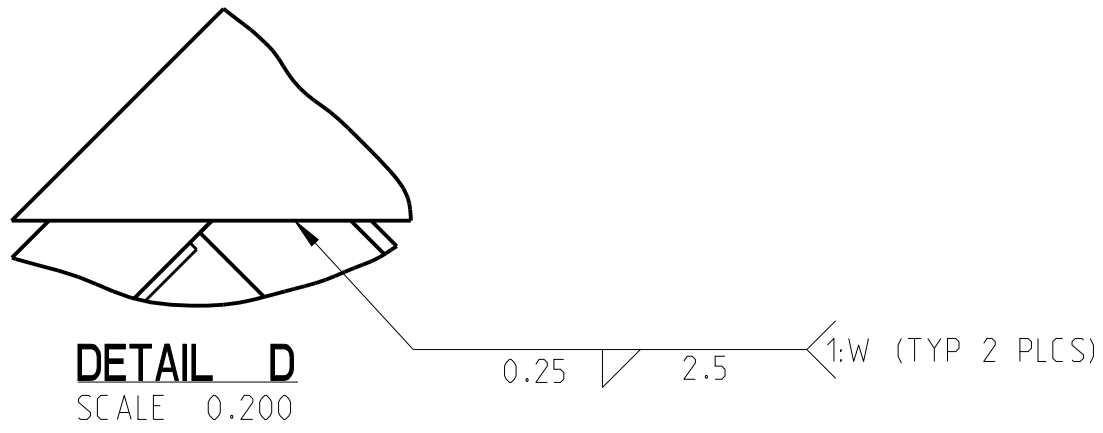
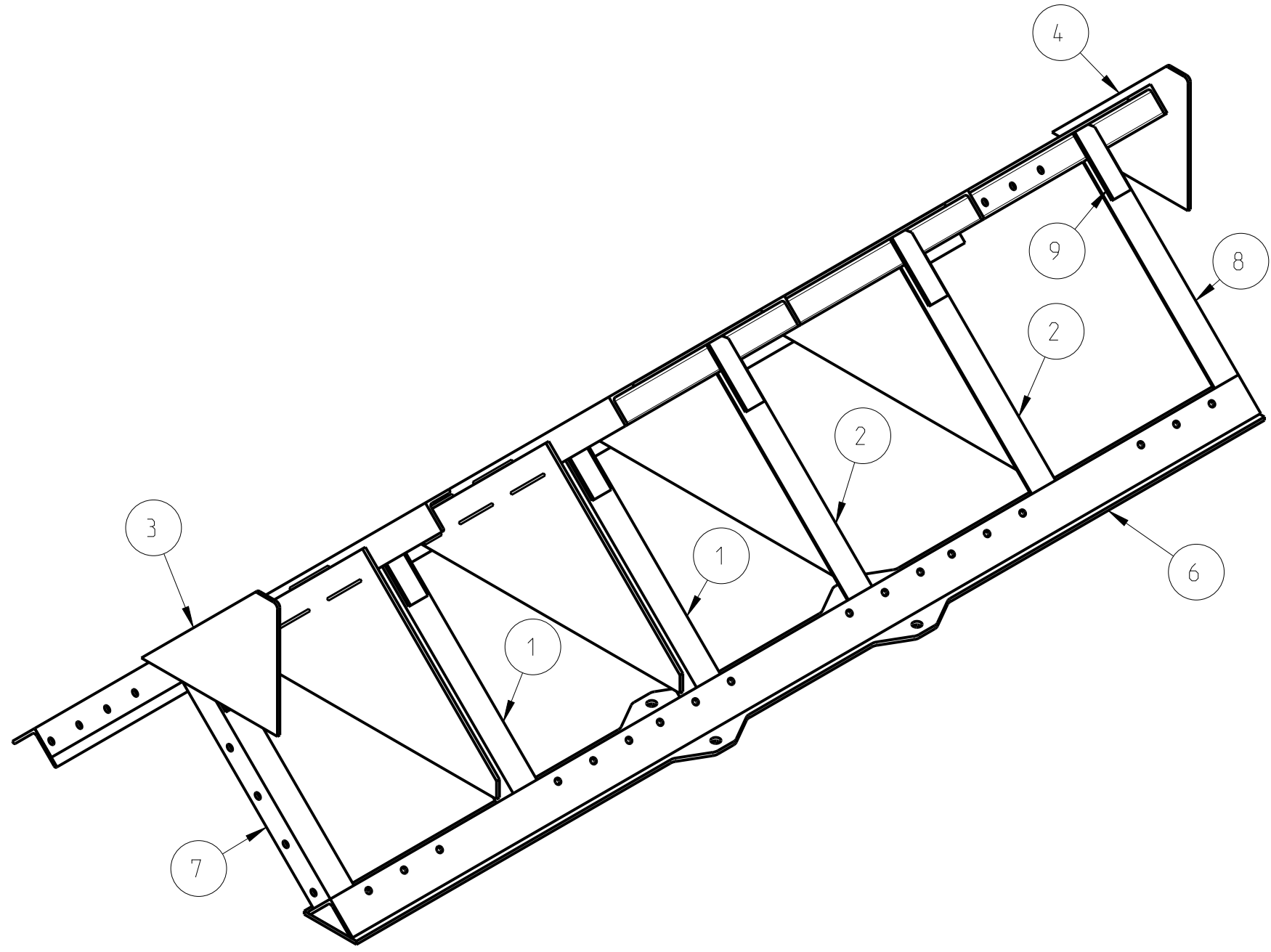
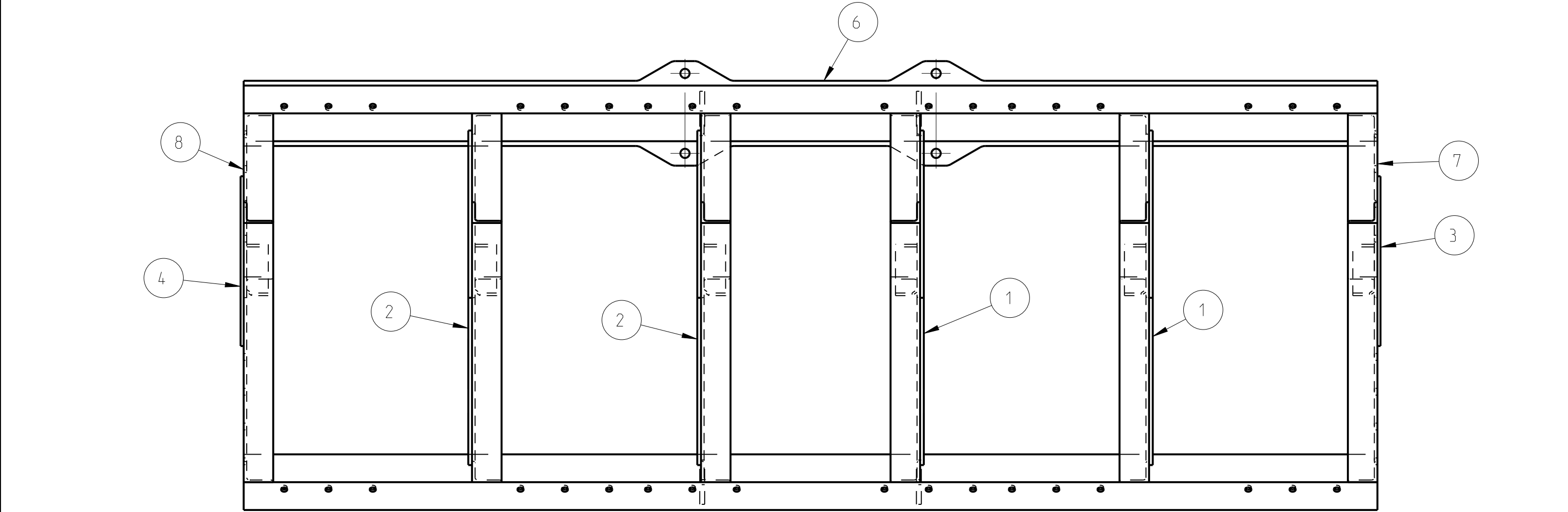


| BILL OF MATERIAL |             |                               |          |
|------------------|-------------|-------------------------------|----------|
| Item No.         | Part No.    | Description                   | Quantity |
| 1                | A108735-011 | ASSEMBLY, TROUGH GUSSET, END  | 2        |
| 2                | A108735-021 | ASSEMBLY, TROUGH GUSSET, END  | 2        |
| 3                | A108737-010 | ASSEMBLY, END TROUGH CAP      | 1        |
| 4                | A108737-020 | ASSEMBLY, END TROUGH CAP      | 1        |
| 5                | A108889-000 | ASSEMBLY, ANGLE REINFORCEMENT | 1        |
| 6                | A108890-000 | ASSEMBLY, TROUGH CONNECTION   | 1        |
| 7                | M108896-010 | STIFFENER, TROUGH             | 1        |
| 8                | M108896-020 | STIFFENER, TROUGH             | 1        |
| 9                | M108912-000 | REINFORCEMENT, ANGLE          | 2        |



NOTE:

- ALL WELDING TO BE IN ACCORDANCE WITH RAILROAD WELDING SPECIFICATION AWS D15.1, LATEST REVISION, AND TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHERWISE NOTED, ALL WELD LENGTHS SHOWN ARE MINIMUM LENGTHS, WELD TERMINATIONS FOR FILLET WELDS MUST HAVE A MINIMUM EDGE DISTANCE OF 0.25.

SC SPECIAL CHARACTERISTIC - FEATURE THAT IS "KEY" TO FORM, FIT, AND FUNCTION OF THE PART/ASSY

| Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date                                     | Approved                        | Description |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------|-------------|
| REVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |                                 |             |
| <b>FreightCar<br/>America</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                                 |             |
| THIS DRAWING IS THE EXCLUSIVE PROPERTY OF FREIGHTCAR AMERICA AND CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. BY ACCEPTING THIS DRAWING, THE RECIPIENT AGREES NOT TO USE THIS DRAWING ONLY FOR THOSE PURPOSES APPROVED IN WRITING BY FREIGHTCAR AMERICA, (B) NOT TO REPRODUCE OR MODIFY THIS DRAWING, IN WHOLE OR IN PART, AND (C) NOT TO DISCLOSE THIS DRAWING TO ANY PERSON OR ENTITY, NOR USE THE DRAWING FOR THE DESIGN OR MANUFACTURE OF ANY ITEM, PART, OBJECT OR APPARATUS THEREOF, EXCEPT UPON THE PRIOR WRITTEN PERMISSION OF FREIGHTCAR AMERICA. |                                          |                                 |             |
| Standard Tolerances (Unless Noted)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                                 |             |
| Decimal Dimensions ± 0.063                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          | Hole Diameters ± 0.031          |             |
| Diagonals 0.125 Max. Variation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          | Angles ± 1°                     |             |
| Radii will be thickness of material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          | Tolerances are not accumulative |             |
| Made By: MHK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Date: 08-09-18                           | Ref Dwg: A108930-000            |             |
| Approved: JAJ JAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Do Not Scale Drawing Est. Wt: 616.12 lbs |                                 |             |
| ASSEMBLY, TROUGH END                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                 |             |
| Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Drawing / Part Number                    |                                 | Rev.        |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A108930-001                              |                                 | -           |