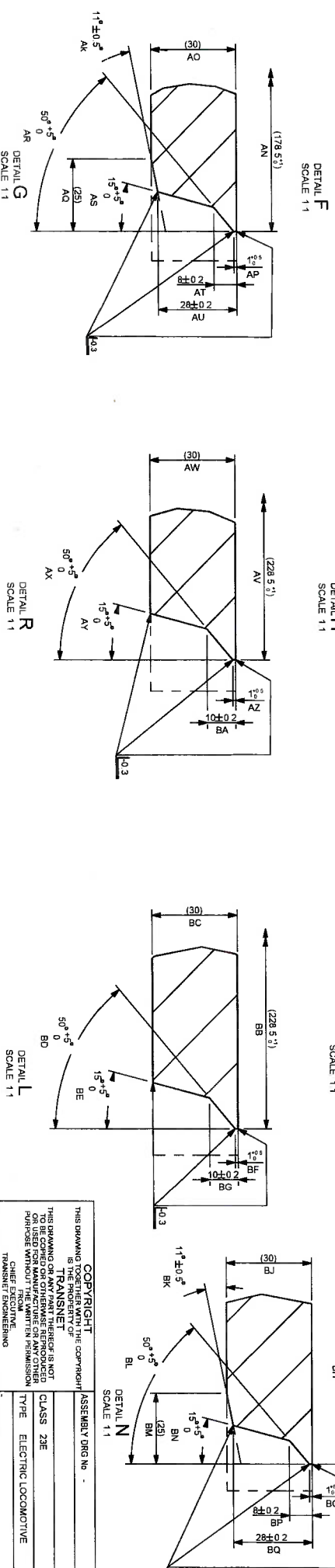
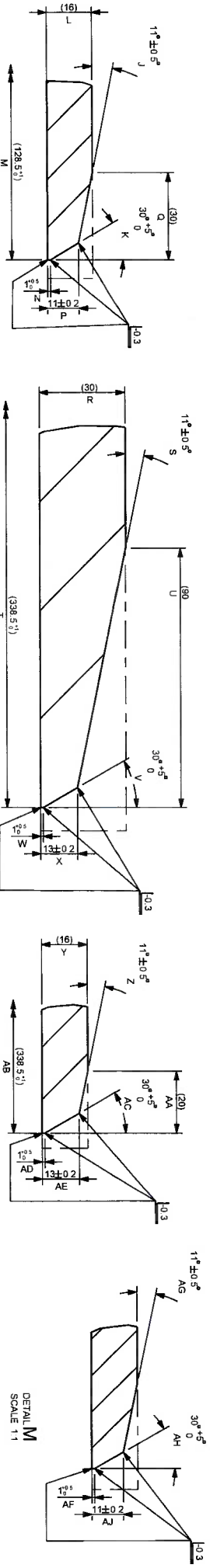
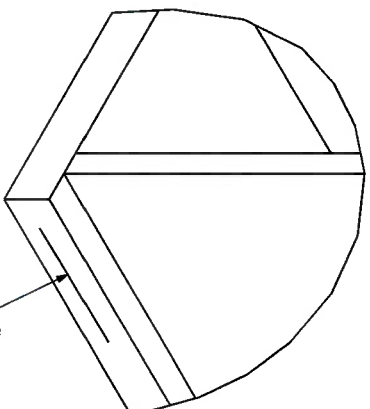
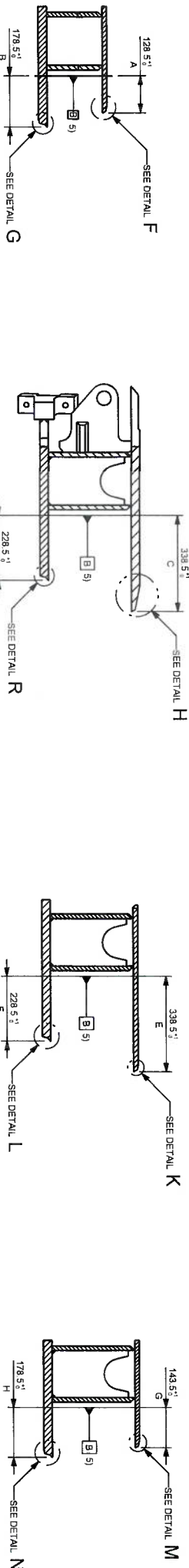
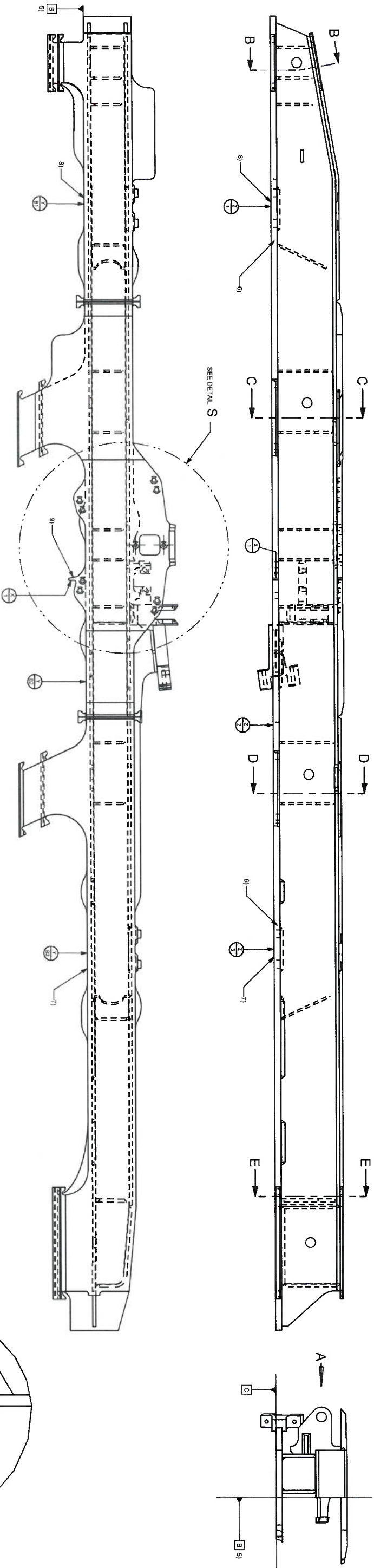
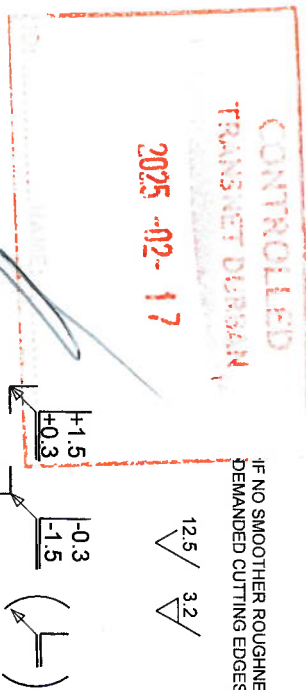
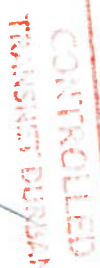




- 1) HEAD TRANSOM MUST BE SUPPORTED ON FOUR (4) BOTTLE JACKS & LINED UP ACCORDING TO THE REFERENCE POINTS X, Y AND Z.
- 2) TENSION FREE CLAMPING IS TO BE USED.
- 3) FINAL CONTOUR.
- 4) MARKING AREA.
- 5) REFERENCE PLANE B LOCATED AT THE LOWER FLANGE
- 6) REFERENCE POINT MARKING ON LOWER FLANGE FOR Z-DIRECTION.
- 7) REFERENCE POINT MARKING Y&Z-DIRECTION.
- 8) REFERENCE POINT MARKING X&Z-DIRECTION.
- 9) REFERENCE POINT MARKING X-DIRECTION
- 10) SERIAL NO. NEED TO MATCH DOCUMENTS AND MEASURING SHEET.
- 11) LOCATOR ON LOWER FLANGE TO BE USED.



|                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |                                              |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------|--|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|----------------------------------------------|--|--|--|--|--|--|--|--|--|
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| COPYRIGHT                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | ASSEMBLY DRG No -                  |  |  |  |  |  |  |  |  |  | DRAWN M.J.M    |  |  |  |  |  |  |  |  |  |                                              |  |  |  |  |  |  |  |  |  |
| TRANSMET                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | CLASS 2BE                          |  |  |  |  |  |  |  |  |  | CHECKED M.N.N. |  |  |  |  |  |  |  |  |  |                                              |  |  |  |  |  |  |  |  |  |
| TYPE ELECTRIC LOCOMOTIVE                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | APPROVED B.E.D                     |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |                                              |  |  |  |  |  |  |  |  |  |
| DATE                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |                                              |  |  |  |  |  |  |  |  |  |
| SCALE 1:10                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |                                              |  |  |  |  |  |  |  |  |  |
| DOCUMENT REFERENCE NO                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | PD_PEL_KLP_DRW_23E                 |  |  |  |  |  |  |  |  |  | No             |  |  |  |  |  |  |  |  |  | REV                                          |  |  |  |  |  |  |  |  |  |
| TRANSMET ENGINEERING                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | TRANSMET ENGINEERING               |  |  |  |  |  |  |  |  |  | SHEET 1 OF 2   |  |  |  |  |  |  |  |  |  | MAC 22A0100 -7                               |  |  |  |  |  |  |  |  |  |
| A-1 PROJECTION                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  | FOR WELDING SEE DRAWING NUMBER: WELD_22A0100 |  |  |  |  |  |  |  |  |  |



IF NO SMOOTHER ROUGHNESS  
DEMANDED CUTTING EDGES

## MACHINING ALLOWANCE

PART EDGES ISO 13715

[illegible]

IF NO SMOOTHER ROUGHNESS,  
DEMANDED CUTTING EDGES.

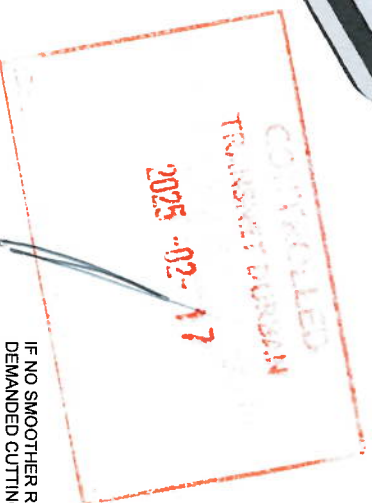
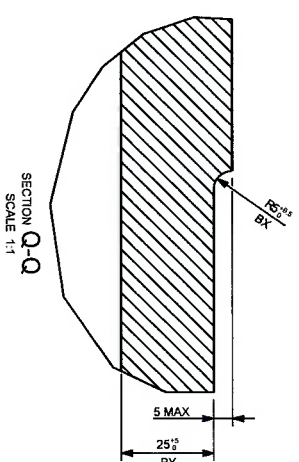
PART EDGES ISO 13715

AR  
DETAIL G  
SCALE 1" = 1'

DETAIL R  
SCALE 1" = 1'

DETAIL L  
SCALE 1" = 1'

|                             |               |              |
|-----------------------------|---------------|--------------|
| ISO 14406-1                 | ISO 13920-4 F | WELDMENTS    |
| DIMENSIONAL TOLERANCING     |               |              |
| ISO 8015                    | EN 10243-F    | FORGING      |
| TOLERANCING                 | DIN 6935      | COLD BENDING |
| ISO 2768-mk-E               |               |              |
| LINEAR DIMENSIONS, SYMMETRY |               |              |
| ISO 8013-422                | DIN 6930-m    | STAMPING     |
| THERMAL CUTTING             |               |              |
| ISO 8062                    |               |              |
| CASTING                     |               |              |



IF NO SMOOTHER ROUGHNESS  
DEMANDED CUTTING EDGES

12.5  
3.2

|                                                                                                                                                                        |            |                                                                                   |                        |  |                   |  |                      |  |                     |  |             |  |                                              |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|------------------------|--|-------------------|--|----------------------|--|---------------------|--|-------------|--|----------------------------------------------|--|
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|                                                                                                                                                                        | TRANSMET   |                                                                                   |                        |  | CHECKED           |  | M.A.N.               |  | BOGIE SIDEFRAME L.H |  |             |  | FOR WELDING SEE DRAWING NUMBER: WELD_22A0200 |  |
|                                                                                                                                                                        | CLASS      |                                                                                   | 23E                    |  | APPROVED          |  | B.E.D                |  |                     |  |             |  |                                              |  |
|                                                                                                                                                                        | TYPE       |                                                                                   | ELECTRIC LOCOMOTIVE    |  | DATE              |  |                      |  |                     |  |             |  |                                              |  |
|                                                                                                                                                                        | SCALE      |                                                                                   | 1:10                   |  |                   |  |                      |  |                     |  |             |  |                                              |  |
| A-1                                                                                                                                                                    | PROJECTION |  | DOCUMENT REFERENCE No. |  | PD_PEL_MP_DWG_23E |  | TRANSMET ENGINEERING |  | No.                 |  | MAC 22A0200 |  | REV -7                                       |  |