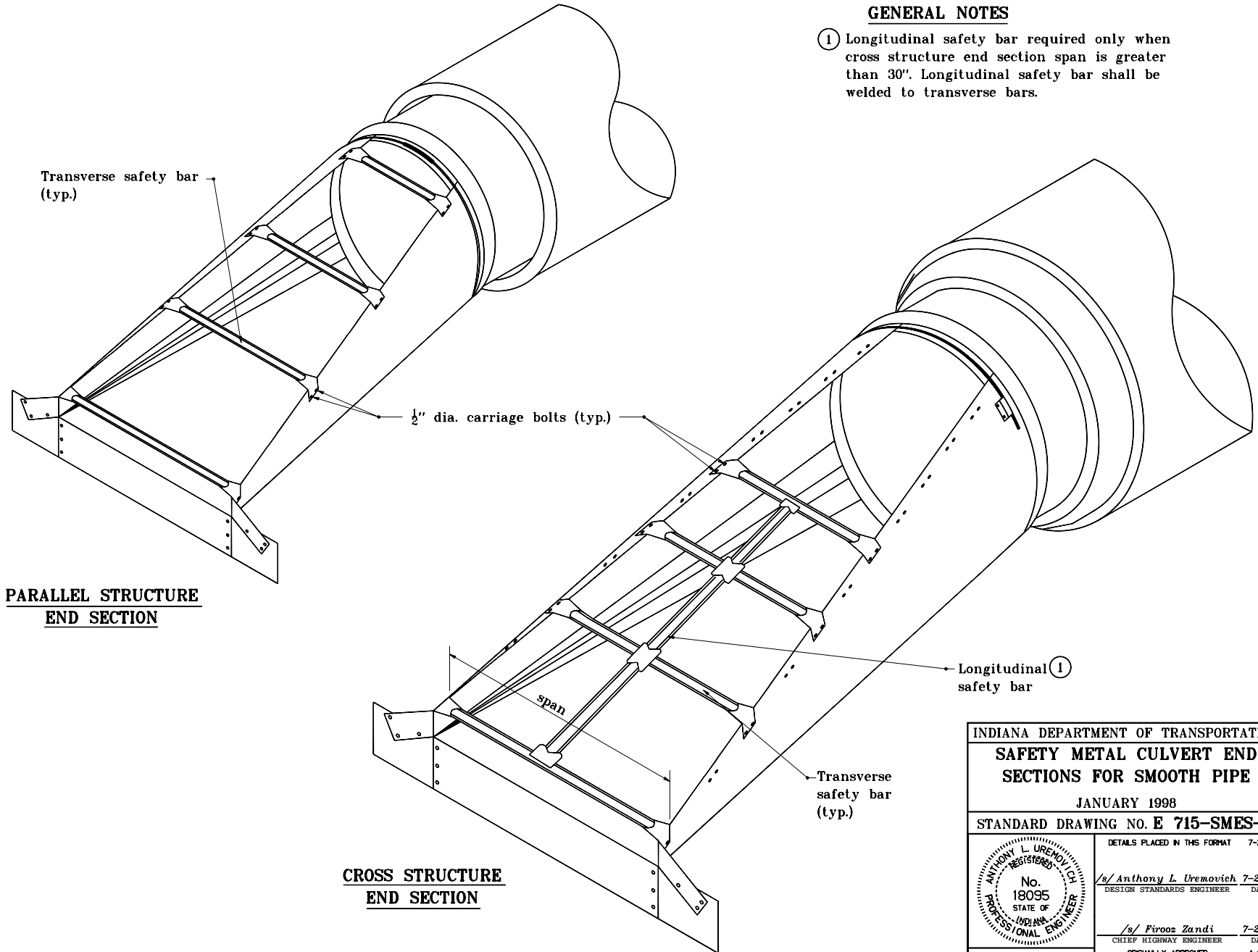


GENERAL NOTES

- ① Longitudinal safety bar required only when cross structure end section span is greater than 30". Longitudinal safety bar shall be welded to transverse bars.



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| INDIANA DEPARTMENT OF TRANSPORTATION | |
| SAFETY METAL CULVERT END SECTIONS FOR SMOOTH PIPE | |
| JANUARY 1998 | |
| STANDARD DRAWING NO. E 715-SMES-07 | |
| DETAILS PLACED IN THIS FORMAT 7-27-99 | |
| | /s/ Anthony L. Uremovich 7-27-99 DESIGN STANDARDS ENGINEER DATE |
| | /s/ Firooz Zandi 7-27-99 CHIEF HIGHWAY ENGINEER DATE |
| | ORIGINALLY APPROVED 1-02-98 |