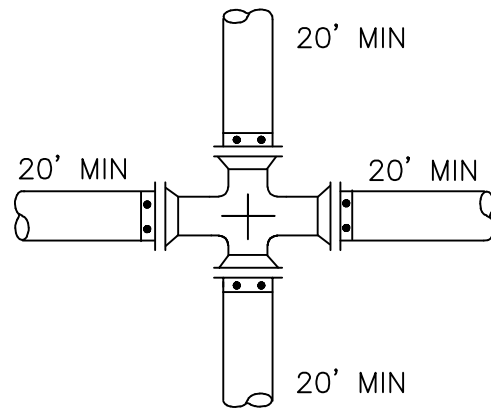
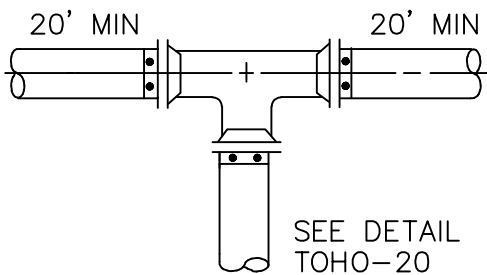


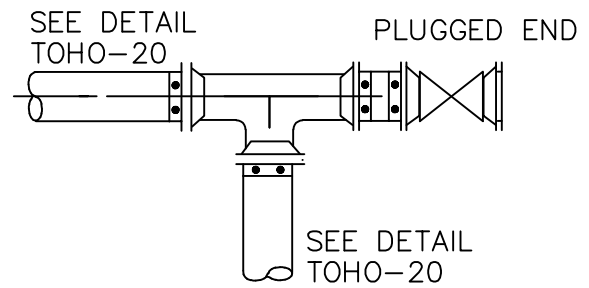
IN-LINE VALVE



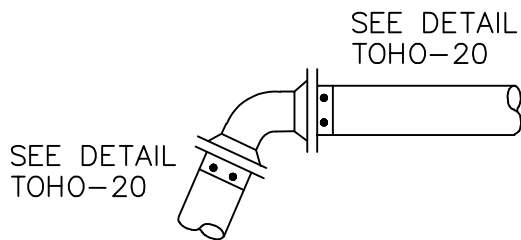
CROSS



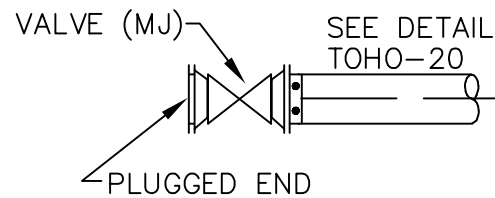
TEE



TEE AND VALVE



BENDS



DEAD END
WITH OR WITHOUT BLOW-OFF

NOTES:

1. MECHANICAL PIPE RESTRAINT SYSTEMS SHALL BE REQUIRED. THRUST BLOCKS WILL ONLY BE PERMITTED ON A CASE-BY-CASE BASIS AS DETERMINED BY TOHO.
2. ALL MECHANICAL JOINT FITTINGS (TEES, BENDS, CROSSES, ELBOWS, ETC.) AND VALVES SHALL BE RESTRAINED.
3. RESTRAIN THRU VALVES.



EFFECTIVE DATE:	04/01/2025
BOARD APPROVED DATE:	01/22/2025
PREVIOUS VERSION:	2022
DRAWN BY:	MP
REVISED BY:	DT

THRUST RESTRAINT

DRAWING NUMBER

19