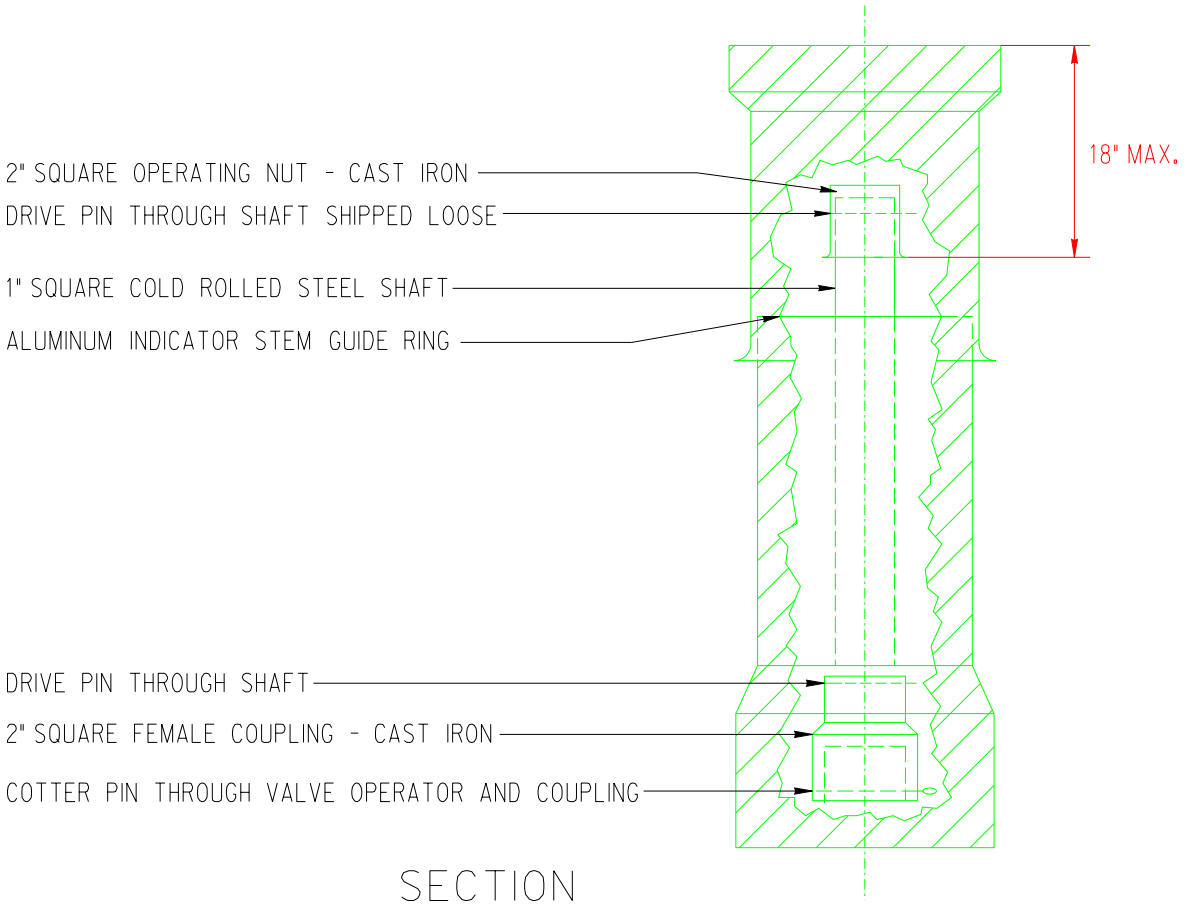
| PREPARED BY: E. L. GORE | SANDIA NATIONAL LABORATORIES<br>FACILITIES ENGINEERING | DRAWING NUMBER: WG5008STD |
|---|---|---|
| CHECKED BY: D. CAMPBELL | | SCALE: NONE |
| DATE: 1/15/03 REV: | VALVE STEM EXTENSION DETAIL | CIVIL WORKS STANDARD |




SECTION

1. UNIVERSALLY ADAPTED TO ANY VALVE WITH 2" SQUARE OPERATING NUT.
2. EXTENSION LENGTH AS REQUIRED. SPECIFY EXACT EXTENSION DESIRED.
3. USING PRE-DRILLED FEMALE COUPLING AS TEMPLATE, DRILL HOLE IN VALVE STEM OPERATING NUT AND LOCK TOGETHER WITH COTTER PIN.
4. INDICATOR STEM GUIDE RING MARKED "OPEN LEFT" OR "OPEN RIGHT" ON REVERSE SIDE. RIDES LOOSE ON TOP OF VALVE BOX BOTTOM TO KEEP EXTENSION IN ALIGNMENT.
5. COLD ROLLED STEEL SHAFT TO PROVIDE AMPLE TORQUE WITHOUT TWISTING.
6. 2" SQUARE OPERATING NUT IS REMOVABLE SO THAT GUIDE RING MAY BE INSTALLED WITH PROPER DIRECTION OF OPERATION INDICATED. NUT IS THEN POSITIONED AND DRIVE PIN INSERTED FOR PERMANENT INSTALLATION. GUIDE RING CAN NOT BE REMOVED OR REVERSED.
7. STEM EXTENSION IS OPERATED BY SHAFT LENGTH T-HANDLE VALVE WRENCH AFTER VALVE BOX COVER IS REMOVED.

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