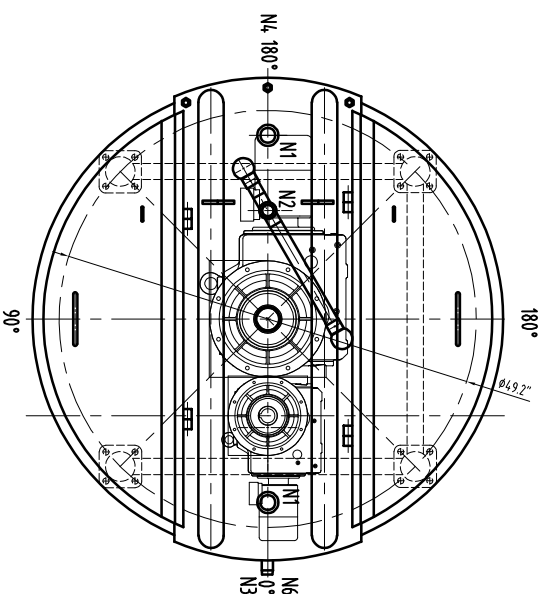
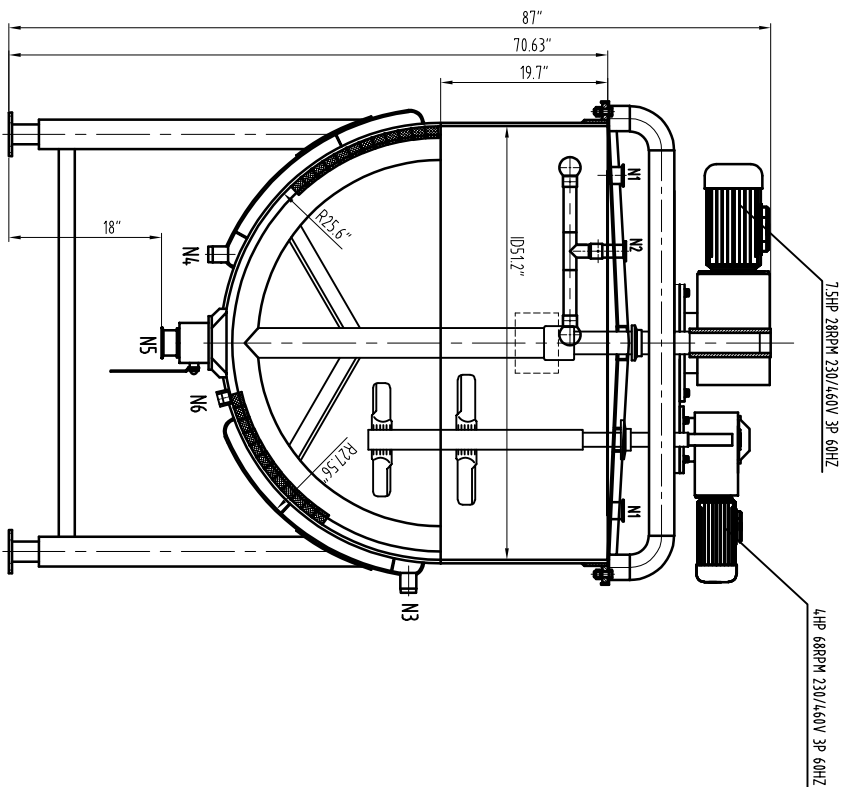


|                                           |                         |                         |                                                                                |                                                                                |                                        |         |
|-------------------------------------------|-------------------------|-------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------|---------|
| FLUID                                     |                         | SHELL                   | JACKET                                                                         | ASME STAMP                                                                     | YES WITH U DESIGNATION FOR JACKET ONLY |         |
|                                           |                         | STEAM                   | WELDING ROD TYPE                                                               | AS PER WPS                                                                     |                                        |         |
| FLUID PERFORMANCE                         | Non lethal              | Non lethal              | WELDING REGULATION                                                             | NOTE 2                                                                         |                                        |         |
| WORKING TEMPERATURE °F                    | 320                     | 320                     | WELD STRUCTURE                                                                 | THICKNESS OF FILLET WELD EXCEPT WELDED AS PER THE THICKNESS OF THICKENED PLATE |                                        |         |
| WORKING PRESSURE P <sub>SI</sub>          | 0                       | 85                      | THICKNESS OF FILLET WELD EXCEPT WELDED AS PER THE THICKNESS OF THICKENED PLATE | 4:1-15                                                                         |                                        |         |
| DESIGN TEMPERATURE °F                     | 325                     | 325                     | PRESSURE TEST TEMPERATURE °F                                                   | ATC STD                                                                        |                                        |         |
| WDMT                                      | -4                      | -4                      | WELDING JOINT CATEGORY                                                         | W-52                                                                           |                                        |         |
| DESIGN PRESSURE P <sub>SI</sub>           | 0                       | 990                     | WELDING JOINT CATEGORY                                                         | W-52                                                                           |                                        |         |
| MAWP                                      | 0                       | 990                     | WELDING JOINT CATEGORY                                                         | W-52                                                                           |                                        |         |
| CORROSION ALLOWANCE in                    | 0                       |                         | TOTAL CAPACITY                                                                 | 327                                                                            |                                        |         |
| JOINT FREQUENCY Shell/Head                | 0.85/0.85               | IMPACT TEST             | Exempted per UHA-51                                                            |                                                                                |                                        |         |
| HYDRO TEST PRESSURE P <sub>SI</sub>       | 117                     | HEAT TREATMENT          | Exempted per UHA-32, UHA-44                                                    |                                                                                |                                        |         |
| GAS LEAKAGE TEST PRESSURE P <sub>SI</sub> | NA                      | WET MASS PER EQUIP.     |                                                                                |                                                                                |                                        |         |
| NOZZLE ORIENTATION                        | AS PER THIS DRAWING     | WEARING MASS            |                                                                                |                                                                                |                                        |         |
| WELDING PERMANENT MASS                    | SA-240 304L SA-240 304L | FILL WELDING MASS       |                                                                                |                                                                                |                                        |         |
| FULL COEFFICIENT                          |                         | INSULATION THICKNESS in |                                                                                |                                                                                |                                        |         |
| NOZZLE SCHEDULE                           |                         |                         |                                                                                |                                                                                |                                        |         |
| MARK                                      | NOMINAL SIZE            | QTY                     | CONNECTING SIZE AND STANDARD                                                   | FACE                                                                           | SERVICE                                | REMARKS |
| N1                                        | 2"                      | 2                       | 3A                                                                             | TC                                                                             | FEED INLET                             |         |
| N2                                        | 15"                     | 2                       |                                                                                | TC                                                                             | CP                                     |         |
| N3                                        | 15"                     | 1                       | ASME B120.1-2013                                                               | 15WPT                                                                          | STEAM INLET                            |         |
| N4                                        | 15"                     | 1                       | ASME B120.1-2013                                                               | 15WPT                                                                          | STEAM OUTLET                           |         |
| N5                                        | 3"                      | 1                       | 3A                                                                             | TC                                                                             | OUTLET                                 |         |
| N6                                        | 1 1/4"                  | 1                       |                                                                                | UNC                                                                            | Temperature sensor                     |         |

Technical Requirement

- 1.Having a carbon content not exceeding 0.10% and produced with filler metals conforming to sfa-5.9.
- 2.Unless otherwise specified,all the groove welding joints for pressure parts are of full penetration type, continuous, and shall be welded as per the wps designated by jic; Finished longitudinal and circumferential joints conform to UW-35.
- 3.Unless otherwise specified, does not indicate the size tolerance and see the program file Q/HD-PD-03-2011.
- 4.Interior finish : Ra0.8,Exterior finish: Ra0.8,
- 5.The user shall be in charge for installing safety devices in outer pipe system connected to this tank, and to ensure the pressure in the tank not exceeding its MAWP pressure.
- 6.This equipment's packing and transportation shall conform to the regulation of [Pressure Vessel Coating and Transportation Packing],JB4711-2003.



| REV | DESCRIPTION | PREPARED BY | APPROVED BY | DATE |
|-----|-------------|-------------|-------------|------|
| 3   |             |             |             |      |
| 2   |             |             |             |      |
| 1   |             |             |             |      |
| REV | DESCRIPTION | PREPARED BY | APPROVED BY | DATE |
| 1   |             |             |             |      |
| 2   |             |             |             |      |
| 3   |             |             |             |      |
| 4   |             |             |             |      |
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| 11  |             |             |             |      |
| 12  |             |             |             |      |

|             |                                 |                |                     |
|-------------|---------------------------------|----------------|---------------------|
| PREPARED BY | SHANXI HONGDA INDUSTRY CO., LTD | PROJECT NO.    | Invention-254-Q2-1A |
| DESIGNED BY | 2500SG SPHERICAL TANK           | PRODUCT NUMBER | Invention-254-Q2-1A |
| APPROVED BY |                                 | SCALE          | 1:8                 |
| WEIGHT      |                                 | REV            | 1                   |
| TOTAL       |                                 | PAGE           | 1                   |