NOTES:

1. ALL DIMENSIONS & FEATURES NOT SHOWN IN DRAWING ARE SHOWN IN THE 3D CAD FILE.

2. GEOMETRY SHOWN IS FOR THE "RIGHT" MANIFOLD (AS VIEWED FROM REAR OF RACK); "LEFT" VERSION IS A MIRROR OF THIS GEOMETRY.

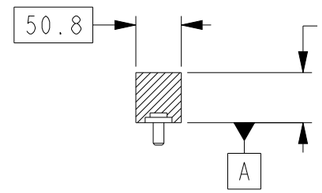
3. ALL DIMENSIONS IN MILLIMETERS. ALL DIMENSIONS IN (PARENTHESES) ARE RECOMMENDED BUT MAY VARY DEPEDNING ON END APPLICATION.

4. MANIFOLD SHALL BE CLEANED AND FREE OF BURRS & METAL SHAVINGS.

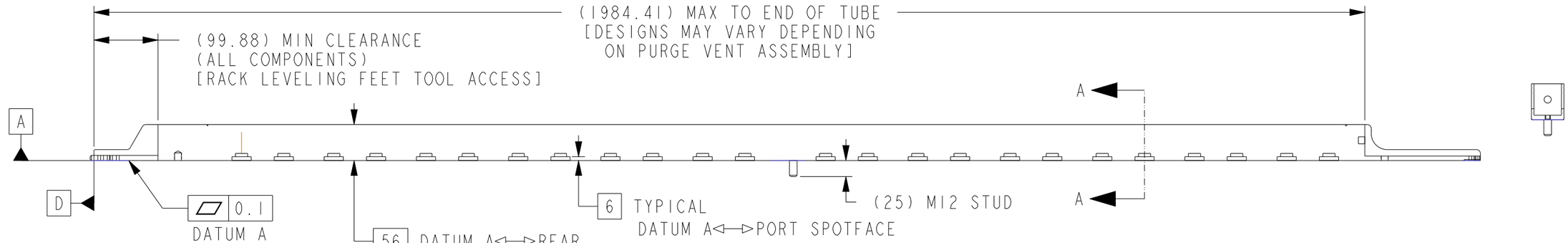
[5] PORT DETAILS TO BE MANUFACTURED PER DIMENSIONS AND TOLERNACES IN ISO-11926-1-1995 PER 3/4-16 UNF-2B THREADS; ALL PORTS TO HAVE A MINIMUM OF 3 FULL THREADS.

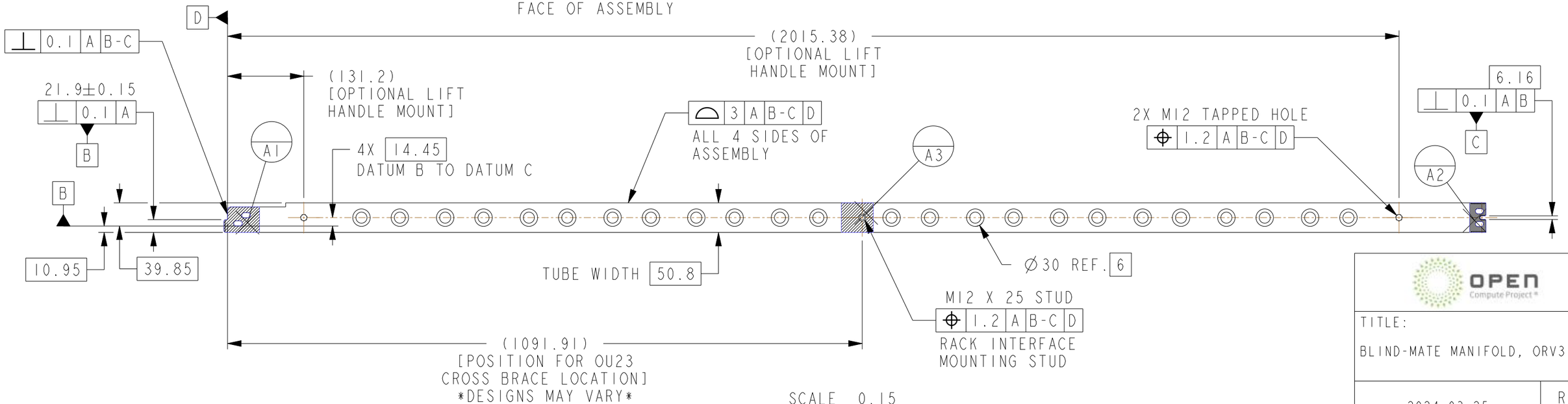
6. PORT LOCATIONS SHOWN FOR REFERENCE & ALTERNATE PORT PITCH MAY BE POSSIBLE; CONTACT MANIFOLD SUPPLIERS TO DISCUSS REQUIREMENTS FOR SPECIFIC APPLICATION.

MAX ASSEMBLY WIDTH



SECTION A-A
ASSEMBLY MAX KEEP-IN FOOTPRINT
(PLUS PROFILE TOLERANCES DEFINED IN VIEWS BELOW)
NOTE: PROFILE TOLERANCE DOES NOT APPLY TO INTERFACE ZONES





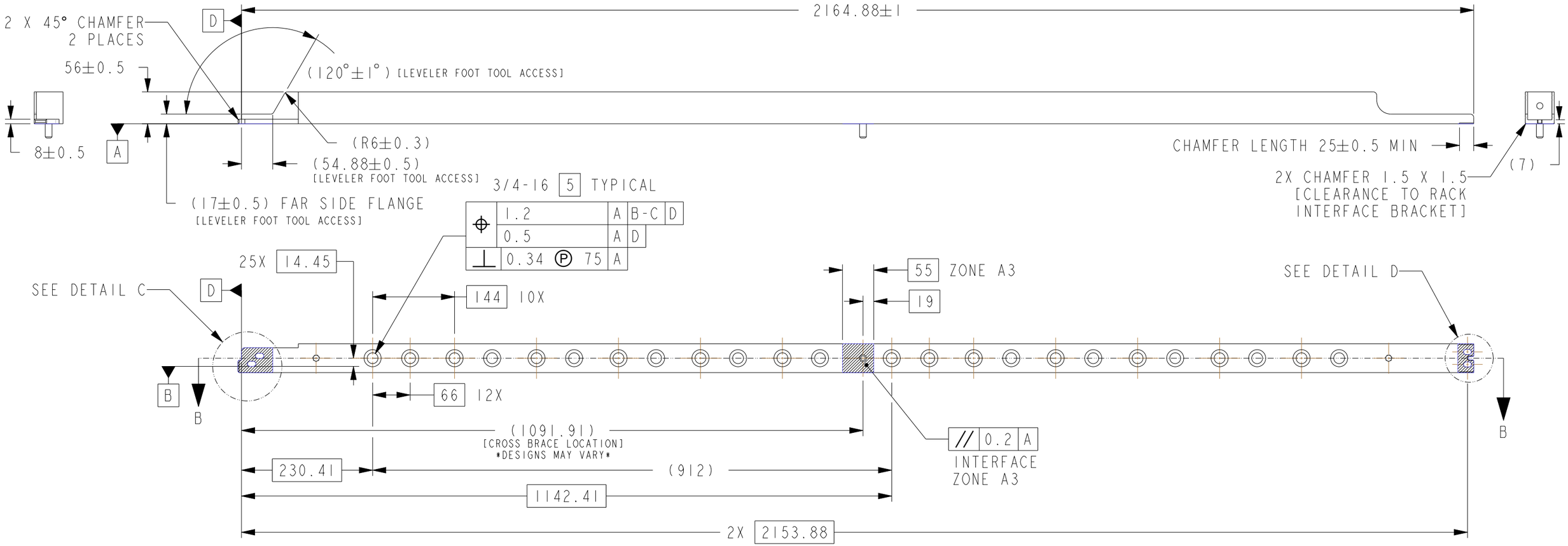
SCALE 0.15

OPEN Compute Project

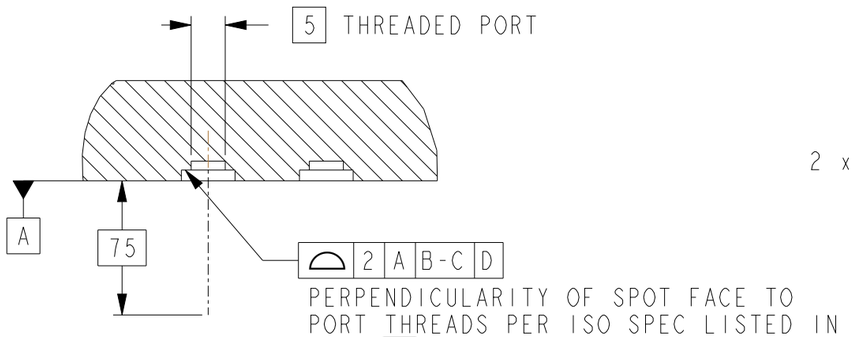
TITLE:
BLIND-MATE MANIFOLD, ORV3

2024-03-25 | REV --

THIRD PROJECTION | 1 OF 3

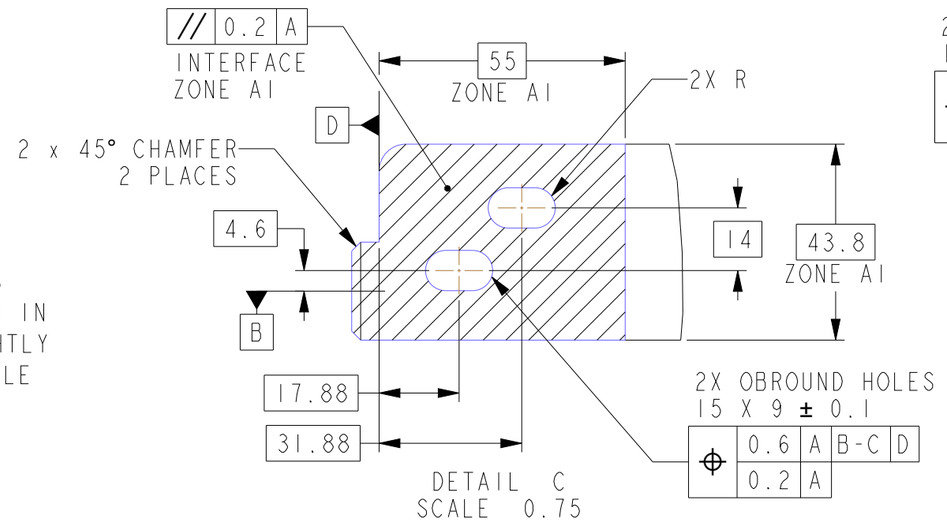


SCALE 0.15

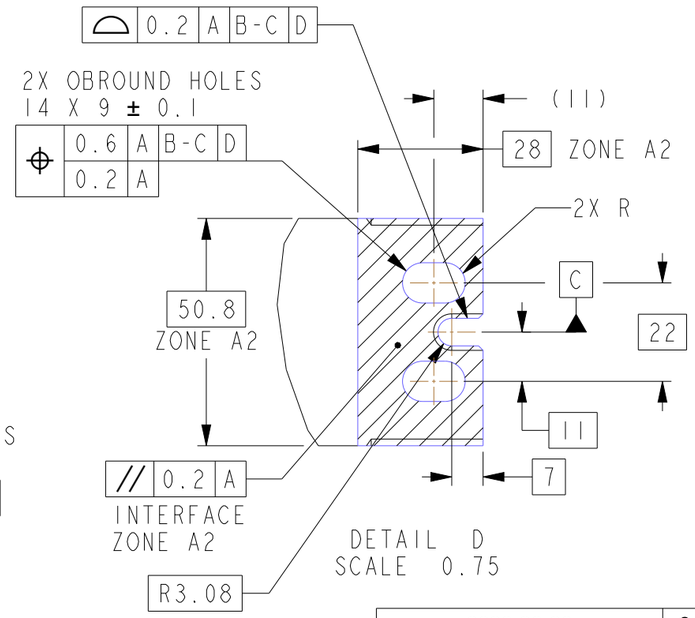


PERPENDICULARITY OF SPOT FACE TO PORT THREADS PER ISO SPEC LISTED IN NOTE 5, TYPICAL; THIS MORE TIGHTLY CONTROLS THE FORM THAN THE PROFILE LISTED HERE.

SECTION B-B
SCALE 0.3



DETAIL C
SCALE 0.75



DETAIL D
SCALE 0.75

NOTES CONTINUED:

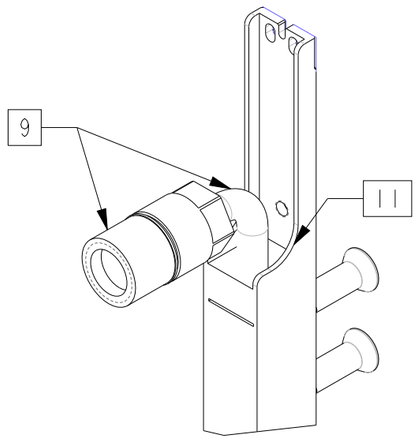
7 MANIFOLD MAY BE SUPPLIED WITH OCP APPROVED BLIND-MATE QUICK CONNECTOR SOCKETS INSTALLED; CONFIGURATIONS MAY VARY.

8 PORT NUMBERING FOR REFERENCE AND APPLICABLE TO REFERENCE DESIGN ONLY.

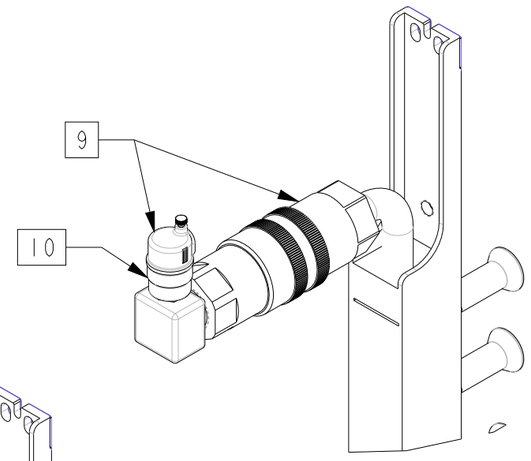
9 MULTIPLE INLET/OUTLET ADAPTER OPTIONS ARE AVAILABLE INCLUDING UPPER OR LOWER CONNECTIONS, STRAIGHT ADAPTERS, 90° SWIVEL ELBOWS, OCP LARGE QUICK CONNECTS, BARBS, AND AIR PURGE VENTS ASSEMBLIES. CONTACT MANIFOLD SUPPLIERS FOR CONFIGURATION OPTIONS.

10 DEPENDING ON AIR PURGE CONFIGURATION, ADDITIONAL SUPPORT BRACKET MAY BE NEEDED TO PREVENT PURGE VENT ROTATION AND MAINTAIN PROPER ORIENTATION.

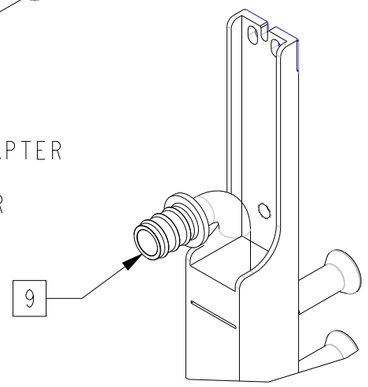
11 CONSTRUCTION OF UPPER MOUNTING AREA MAY VARY FROM SPEC REFERENCE DESIGN BUT MUST MEET STRUCTURAL REQUIREMENTS OF THE END APPLICATION. ACTUAL ZONE A2 INTERFACE GEOMETRY (DETAIL C, SHEET 2) MUST MEET SPEC TO ENSURE COMPATIBILITY WITH RACK INTERFACE.



DETAIL E
SCALE 0.25
90° SWIVEL ELBOW ADAPTER
WITH OCP LQC
SOCKET CONNECTOR



SCALE 0.25
90°C SWIVEL ELBOW ADAPTER
WITH OCP LQC SOCKET & AIR
PURGE VENT ASSEMBLY



SCALE 0.25
90° SWIVEL ELBOW ADAPTER
WITH 1" HOSE BARB ADAPTER

