

APPENDIX 7

TRANSDUCER WELL LAYOUT

Transducer Well and Transducer mounting:

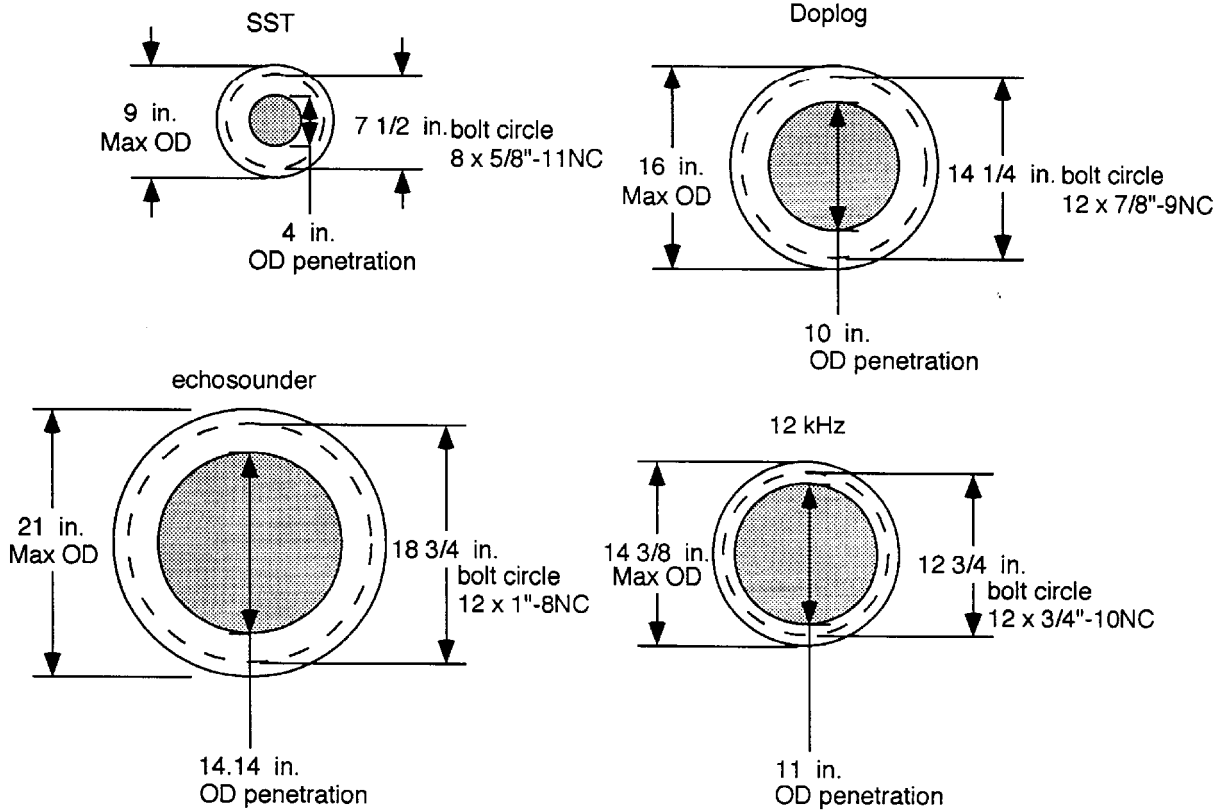
There are holes of various sizes available in the transducer well for mounting of project transducers and through-hull instrumentation. Plan drawings of these holes are contained in this appendix. Contact the Marine Technicians for details on hole sizes, mounting bolt patterns, requirements, etc. There are size constraints on transducers and mounting adapters, due to restricted access to the transducer well. If you anticipate installing a project transducer in WECOMA, you should consult with the Marine Technicians well in advance.

USERS are responsible for all fabrication of adapter plates, spools, etc. SHIP will provide gaskets and hardware for mounting project components to the hull. USERS are expected to perform installations and removals of project instruments with supervision and assistance from the Marine Technicians. Airlock time is required for through-hull installations, and must be scheduled well in advance. Transducer installations and removals generally take 2-5 hours, depending on complexity of the installation. Transducers can be changed out without diver assistance.

Tasks requiring airlock cannot be performed underway or at sea, and must be approved in advance if done in ports where shore electrical power is not available. Vessel Operations and the Marine Technicians reserve the right to refuse installations which are deemed unsafe to the ship or to personnel. All transducer well installations require the approval of the Marine Technicians, Marine Superintendent and Master.

APPENDIX 7 (Item 1 of 3)

NOTE: THESE RINGS NOT AVAILABLE FOR PROJECT USE



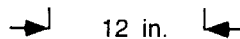
NOTE: THESE RINGS NOT AVAILABLE FOR PROJECT USE

Notes:

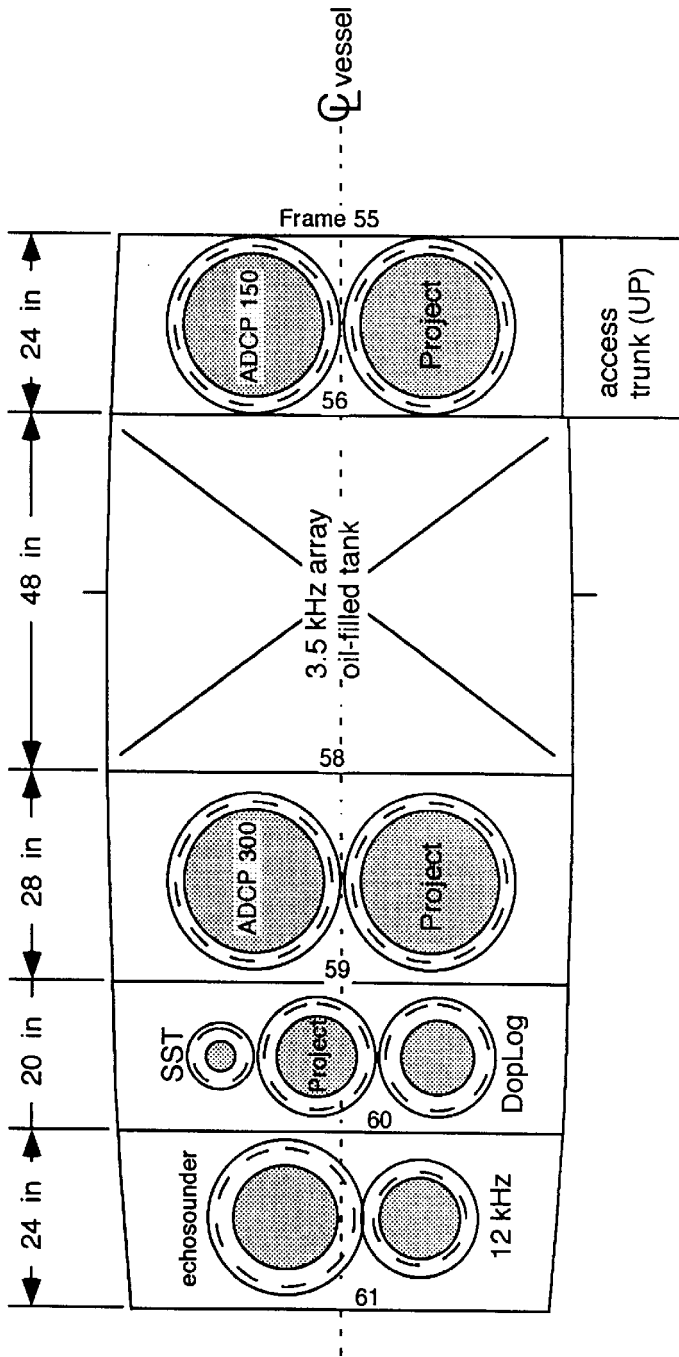
- 1) Allow sufficient clearance in bolt holes to account for variations in studs/holes
- 2) 10" ring in 1-3/4" bottom plate
- 3) 19" ring is 1-3/4" thick
- 4) See sht 1 for locations within transducer well

R/V WECOMA Transducer Well
 Sheet 3 of 3
 Other hull rings for Transducers
 MW 24 Jan 95
 from PBI drwg 9250-113-5
 and Jensen drwg 93202-160-2

Scale 1 in. = 12 in.



APPENDIX 7 (Item 2 of 3)

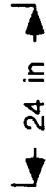


NOTES:

- 1) Access is via 18" x 24" vertical trunk
- 2) Transducer changeout is under airlock, approx. 7 psi.
- 3) Face gasket seals are recommended for transducer adapter plates
- 4) Lifting eyes are provided above each hull ring
- 5) See Sheets 2 and 3 for dimensions and bolting patterns.

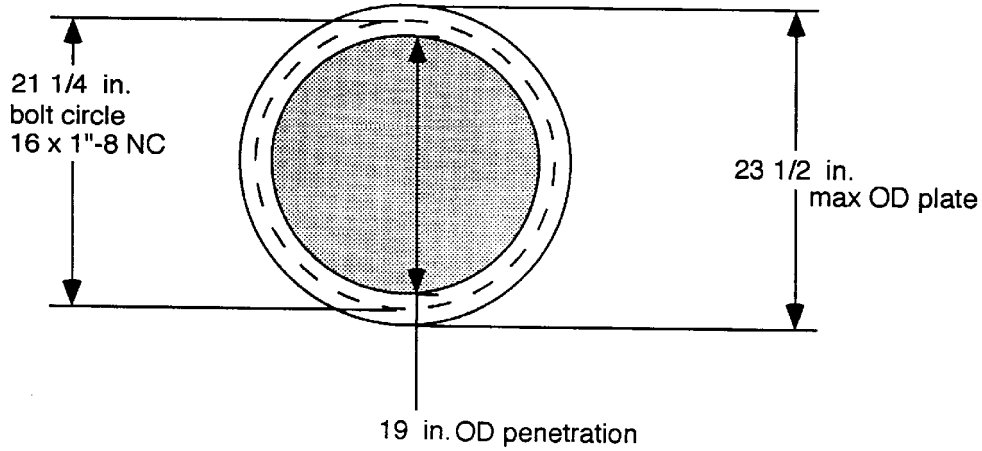
R/V WECOMA
 Transducer Well layout-Sht 1 of 3
 MW 25 Jan 95
 From Jensen Dwg 93202-160-2
 and PBI 9250-113-5

Scale: 1 in. = 2 ft.

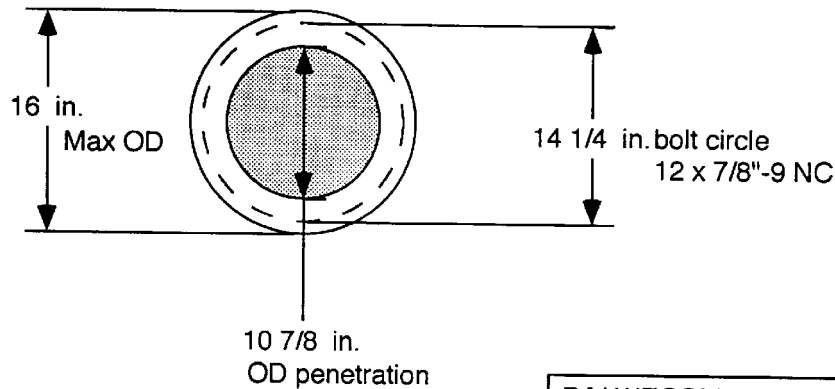


APPENDIX 7 (Item 3 of 3)

Nominal 19" hull ring
(Total 4, 2 available for projects,
2 dedicated for ADCP)



Nominal 10" hull ring
(1, available for projects)



Notes:

- 1) Allow sufficient clearance in bolt holes to account for variations in studs/holes
- 2) 10" ring in 1-3/4" bottom plate
- 3) 19" ring is 1-3/4" thick
- 4) See sht 1 for locations within transducer well

R/V WECOMA Transducer Well
Sheet 2 of 3
Hull rings available for
Project Transducers
MW 24 Jan 95
from PBI drwg 9250-113-5
and Jensen drwg 93202-160-2

Scale 1 in. = 12 in.

