R/V ROGER REVELLE
DECK AND LAB SPACES
Shipboard Technical Support
ResTech@ucsd.edu
(858) 534-1632
2’x2’ deck socket pattern

- Standard across UNOLS vessels
- 1”x8 sockets on deck
- 1/2”x13 sockets in labs

1’x6” lab bench socket pattern

- 1/4”x20 sockets on benches
  - No drilling allowed on benches
  - Drilling permitted on nesting tables
Space for 4 shipping containers (20’ long) on port side 01 deck

- 2 on main deck, 2 on 01 deck
- Ship’s workboat can be stacked on top of a container

Space for 4 shipping containers (20’ long) on forward 02 deck
A-FRAME

- Safe working load 26,500 lbs
- Three main positions to hang blocks or chain (port, starboard, centerline)
- Multiple additional hanging positions across width of frame
A-FRAME PROFILE VIEW
A-Frame Section View

*A-Frame in inboard/vertical position
• 3 sets of nesting tables
• 1 fume hood
• 2 sinks
• Public terminal
• uncontaminated seawater hookup at inboard sink (1/2” barbs)

• -80°C chest freezer (-60 to -80°C; 84L)
• Standard chest freezer (14.8 cu/ft)
• Science-use-only ice machine
• Large presentation monitor
• 5 virtual machine monitors
• Laser printer and large format printer
• 1 fume hood
• 1 sink with uncontaminated seawater hookup (1/2” barbs)
• 1 fume hood
• 2 sinks
• Standup -80°C freezer (-50 to -86°C; 360L)
• Standup refrigerator (37 to 40°F; 10 cu/ft)
• Standup freezer (-5 to 0°F; 10 cu/ft)
• 1 set of nesting tables
• 15 monitor virtual machine display
• Nesting and height adjustable island
• Laser printer
• Hydro/Traction winch controls
HYDRO LAB OVERHEAD VIEW

- 4 monitor virtual machine display
- 1 fume hood
- Water wall with TSG, transmissometer, dissolved oxygen, fluorometer, and de-bubbler
- MilliQ water station
- HiPAP and acoustic release deck units

- 2 sinks both with uncontaminated seawater hookups (1/2” barbs)
- Underway pCO₂ system
- Standup fridge (35 to 40°F; 6 cu/ft) and freezer(-5 to 0 °F; 3 cu/ft) combo
- 12 kHz transducer J-box
- 2 sets of nesting tables
WALK-IN COLD ROOMS

• 2 large walk-in climate control rooms
• Approximately 10’x7’ each
• Temperatures can be set as low as -18°C
• Science-use-only ice machine in vestibule
Main Lab:
- Chest freezer (14.8 cu/ft)
- -80°C chest freezer (-60 to -80°C; 84L)
- Science-use-only ice machine

Analytical lab:
- -80°C standup freezer (-50 to -86°C; 360L)
- Standup refrigerator (37 to 40°F; 10 cu/ft)
- Standup freezer (-5 to 0°F; 10 cu/ft)

Hydro Lab:
- Standup fridge (35 to 40°F; 6 cu/ft) and freezer (-5 to 0 °F; 3 cu/ft) combo

Main passageway:
- 2 walk in climate control rooms (-18°C to room temp; approx. 10’x7’ each)
- Science-use-only ice machine in vestibule
Nesting Tables:

- Each set of 4 nesting tables can be nested to take up the space of just one bench
- 1 set is made up of 2 fixed height benches and 2 adjustable height desks
- Benches are approximately 3’5” tall (same height as perimeter bench tops)
- Desks can be adjusted to any comfortable height and can be raised to match benches
- Bench top area: 6’2”x 3’6”
- Desk top area: 5’4.5”x 3’6”