

REQUEST FOR PROPOSAL

Project Title: Cooley Laboratory Renovation
Location: Montana State University

PPA No.: 10-0023
RFP No.: 35
Date: 02/20/12

To: Dick Anderson Construction
4498 Jackrabbit Lane
Bozeman, MT 59718

Attention: Platisha

From: Cecilia Vaniman, Project Manager
Cooley Lab Renovation
Montana State University

Attention: _____

In order to expedite the Work and avoid or minimize delays in the Work the following proposal is requested. Please return a response by: 03/01/2012 Date Sent: 02/20/2012
Date Received: _____

Proposal Requested:

Revise Casework – A-30 Tops from Plam to Epoxy
Revise Casework B-30 Cabinets revise to Mobile cabinet and add Epoxy top

Drawing **Detail 1 Drawing Sheet QL3.1 Detail 2 & 4 A-Type Cabinet B-Type Cabinet**

Specification Section **12345 Laboratory Casework and Work Surfaces**

1. Revise the A-30 Type Base Cabinet; replace PLam top Black with Epoxy Resin Top Color Black to match..
2. Revise the B-30 Type Base Cabinet to be a Mobile Cabinet (A-30)
3. Add Epoxy Resin Top Color Black to match.

This RFP is for pricing purposes only. The contractor shall not proceed with the scope of work described within until pricing is approved by the owner in writing.

Distribution: Owner Architect Engineer
 Agency Contractor Other

WATER FIXTURE/FITTING SCHEDULE

SEE SPECIFICATION SECTION 11604

TAG	HCW	PW	PRE	EW	REMARKS	NOTES
F1	HCW1	PW1		EW1		1
F2	HCW2	PW1		EW1	W/ WRIST BLADES	2
F3		PW2			MOUNT AT 96" A.F.F.	3
F4	HCW3		PRE1		AT SCULLERY SINK	
F5				EW2	AT AUTOCLAVE ROOM	

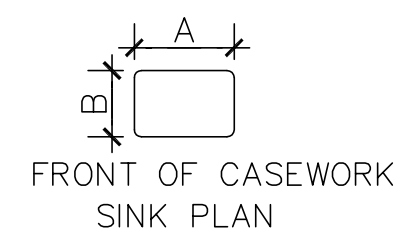
- NOTES
- SEE DETAIL, 15/QL4.1
 - SEE DETAIL, 20/QL4.1 FOR ADA STATION
 - SEE DETAIL, 1/QL3.2

SINK SCHEDULE

SEE SPECIFICATION SECTION 11604

TAG	SINK MAT'L	DIMENSIONS (IN.)			# OF BOWLS	MOUNTING TYPE	REMARKS	NOTES
		A	B	DEPTH				
S1	EPOXY	21	17	10	1	LIPPED		1
S2	EPOXY	18	15	6	1	LIPPED		1
S3	EPOXY	6	14.5	6	1	LIPPED		1, 2
S4	S.S.	15	24	14	2	LIPPED		3

- NOTES
- SEE DETAIL, 17/QL4.1
 - EWA CUP SINK
 - S.S. SCULLERY SINK. OVERALL LENGTH IS 72" X 27.5" DEEP.



GAS, AIR & VAC FITTING SCHEDULE

SEE SPECIFICATION SECTION 11604

TAG	GAS	AIR	VAC	REMARKS	NOTES
F10	G1			DECK MOUNTED, 180°	

GAS VALVES THAT ARE A PART OF THE MOBILE CASEWORK SYSTEM ARE PART OF SPEC SECTION 12345, 2.6, E, "MOBILE CASEWORK SYSTEM".

GROUP 1 EQUIPMENT SCHEDULE

SEE SPECIFICATION SECTION 11605

TAG	DESCRIPTION	NOTES
EQ1	EMERGENCY SHOWER	1
EQ2	NON-VENTED FLAMMABLE STORAGE CABINET "SciMatCo" OR EQUAL	PROVIDE 5 EACH
EQ3	ICE MACHINE	3
EQ4	STEAM GENERATOR	3
EQ5	GLASSWASHER	3
EQ6	20x20x38" AUTOCLAVE W/ INTEGRAL CLEAN STEAM GENERATOR	3
EQ7	26x37.5x38 AUTOCLAVE (REQUIRES STEAM FROM EQ4)	3
EQ8	OVEN W/ S.S. ENCLOSURE	2
EQ9	WATER POLISHER	
EQ10	KODAK X-OMAT 2000	
EQ11	LASER CURTAIN	

- NOTES
- SEE DETAIL 1/QL4.1
 - FINAL CONNECTIONS BY DIV. 15.
 - FINAL CONNECTIONS BY DIV. 15 AND 16.

CASEWORK SCHEDULE

SEE SPECIFICATION SECTION 12345

CASEWORK LEGEND

CABINET TYPE - A
CABINET WIDTH - 30
LOCKABLE - L

KNEE SPACES

K		KNEE SPACE: A SPACE BETWEEN CABINETS SPANNED ACROSS THE TOP BY THE WORKSURFACE, W/ A 6" FIXED PANEL AND REMOVABLE PANEL. USE (6) #10 SCREWS IN TRIM WASHERS FASTENED INTO SOLID CLEATS BEHIND REMOVABLE PANEL.
KA		KNEE SPACE: A SPACE BETWEEN CABINETS SPANNED ACROSS THE TOP BY THE WORKSURFACE, WITHOUT REMOVABLE CLOSURE PANEL; RETURN PANEL TO WALL ON ADJACENT CASEWORK TO CLOSE OFF SERVICE CHASE BEHIND ADJACENT CABINETS.
KB		KNEE SPACE: A SPACE BETWEEN CABINETS SPANNED ACROSS THE TOP BY THE WORKSURFACE, W/ 6" HORIZ AND VERT FIXED PANELS AND A REMOVABLE PANEL. USE (6) #10 SCREWS IN TRIM WASHERS FASTENED INTO SOLID CLEATS BEHIND REMOVABLE PANEL. CUT VERT FIXED PANEL FOR 4-PLY AND SINGLE BOXES. PROVIDE 3" GROMMET.
KAS		KNEE SPACE @ ADA SINK: WORKSURFACE ACROSS TOP W/ REMOVABLE SLOPING CLOSURE PANEL TO CONCEAL SINK AND WASTE PIPING IN COMPLIANCE WITH ALL ADA CLEARANCE REQUIREMENTS. SEE 3/QL3.2
KS		KNEE SPACE @ THERMO SCIENTIFIC HAMILTON "DISTINCTION" WORKSTATION (OR SUCCESSFUL BIDDER).

SHELVING

SA		SHELVES TO BE SAME AS MOBILE CASEWORK SHELVING U.O.N.
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PEGBOARD

P		PEGBOARD W/ DRIP TROUGH.
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HOOD SCHEDULE

SEE SPECIFICATION SECTION 11601

TAG	SIZE/DESCR	TYPE	UTILITIES (LEFT/RIGHT)				NOTES	
		SEE SPEC	110V	DUPLEX	GAS	AIR	CS/CWA	
H1	4'-0" FUME HOOD	FH-A	L/R		L		R	
H2	4'-0" FUME HOOD	FH-B	L/R		L		R	1
H3	6'-0" BIOSAFETY CABINET	BSC-A	L/R		L/R			2, 3

- NOTES
- SEE DETAIL 3/QL4.1 FOR ACCESSIBLE FUME HOOD
 - ALL BIOSAFETY CABINETS ARE "ACCESSIBLE" WITH THE ADJUSTABLE STAND.
 - NATURAL GAS FIXTURES ARE NOT CONNECTED TO HOUSE GAS.

BASE CABINETS

A		MOBILE CABINET WITH PLAM TOP (BLACK): (2) TOP DRAWER UNITS - 3" HIGH, (2) BOTTOM DRAWER UNITS - 9" HIGH, MIDDLE DRAWERS ARE EQUAL. THERMO SCIENTIFIC HAMILTON "DISTINCTION".
B		RELOCATABLE COMBINATION CABINET: TOP DRAWER IS 6" HIGH, ALL OTHER DRAWERS ARE EQUAL, HINGED DOOR, SINGLE CUPBOARD W/ AN ADJUSTABLE SHELF. THERMO SCIENTIFIC HAMILTON "DISTINCTION".
E		SINK BASE CABINET: APRON STRIP (6" NOM. HIGH, FLUSH W/ DOOR FRONT), HINGED DOUBLE DOORS, SINGLE CUPBOARD, NO SHELVES. UNIT IS LESS THAN 30" WIDE. PROVIDE SINGLE DOOR.
M		COMBINATION CABINET: (2) DRAWERS (6" NOM. HIGH); HINGED DOUBLE DOORS, SINGLE CUPBOARD W/ AN ADJUSTABLE SHELF. IF UNIT IS LESS THAN 30" WIDE, PROVIDE SINGLE DRAWER AND DOOR.
VC		VENTED CORROSIVE STORAGE LINED CABINET: SINGLE CUPBOARD W/ 1" DEEP TRAY AND AN ADJUSTABLE SHELF. VENT TO ADJACENT FUME HOOD. SEE SPEC 11601.

TABLES

TTA		WELDED METAL TABLE BASE W/ ADJUSTABLE LEGS. 30" WIDE EPOXY RESIN TOP.
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CASEWORK NOTES

- CASEWORK IS FLOOR MOUNTED (FIXED) WOOD CASEWORK WITH WOOD VENEER AT WALLS AND METAL CASEWORK ON CASTERS WITH WOOD VENEER FRONTS AT PENINSULA BENCHES. U.O.N.
- CASEWORK DIMENSIONS INDICATED ON PLANS ARE NOMINAL SIZES. HEIGHT OF BASE CABINETS REFERS TO HEIGHT OF FINISHED BENCHTOP. SIZE CASEWORK HEIGHT TO ACHIEVE THIS DIMENSION. NO CASEWORK UNIT SHALL BE LESS THAN 12" WIDE.
- USE FILLER PANELS, AS REQUIRED, FOR GAPS BETWEEN WALLS, CASEWORK, AT CORNER CONDITIONS, AT EXPOSED ENDS BETWEEN WALLS AND CASEWORK UNITS AND AT ALL OTHER AREAS TO PROVIDE FINISHED ASSEMBLY.
- HINGE SIDE OF SWINGING DOORS SHALL BE TOWARDS BENCH END WHEN THE CABINET IS AT THE END OF THE BENCH. HINGE SIDE SHALL BE AT THE CORNER WHEN THE CABINET IS AT A CORNER CONDITION. THE HINGE MAY BE AT EITHER SIDE WHEN THE CABINET IS NOT AT AN END OR CORNER, UNLESS SWING IS NOTED ON PLANS.
- SINKS SHALL BE CENTERED (FROM SIDE TO SIDE) IN SINK BASE CABINETS, U.O.N.
- PROVIDE REMOVABLE BACKPANELS IN ALL DOOR CABINETS. PROVIDE FIXED PANELS AT BACKS OF DRAWER UNITS. PROVIDE HALF BACKS AT SINK CABINETS.
- WHERE THE TERM "REMOVABLE" IS USED, (6) FASTENERS TO BE SCREWS WITH CUPPED TRIM WASHERS, U.O.N.
- WHERE SCREWS ARE USED TO MOUNT SUPPORT BRACKETS FOR SHELVING, SCREW COLOR WILL MATCH SUPPORTS.
- THE NAME "THERMO SCIENTIFIC HAMILTON" AND THE TRADEMARK "DISTINCTION" IS USED ONLY TO IDENTIFY THE MOBILE CASEWORK FOR THIS PROJECT AND IS NOT MEANT TO INDICATE THE ULTIMATE MANUFACTURER USED.

WORKSURFACE NOTES

- PROVIDE SIDE SPLASH WHERE BENCH END ABUTS WALL, FUME HOOD OR FULL HEIGHT CABINET, OR WHERE COUNTERTOPS WITH DIFFERENT HEIGHTS ABUT EACH OTHER.
- KEEP TOP OF SPLASH AT 40" A.F.F. NOM. EVEN WHEN 34" HIGH CASEWORK UNITS ARE ADJACENT TO 36" HIGH CASEWORK UNITS.
- BACK AND SIDE SPLASHES ARE TYPICALLY 4" HIGH AT 36" HIGH WORKSURFACES.
- WORKSURFACES ARE TO OVERHANG 1" AT THE FRONT EDGE OF THE CASEWORK (TYP.), WITH DRIP EDGE. WORKSURFACES OVERHANG SIDE OF CABINET 1" AT END OF BENCH RUNS (TYP.).
- PROVIDE SILICONE SEALANT AT ALL JOINTS BETWEEN WORKSURFACES AND WHERE WORKSURFACES ABUT WALLS AND VERTICAL UPRIGHTS.
- ALL WORKSURFACES ARE EPOXY RESIN U.O.N. BENCHES SHALL BE 30" DEEP (INCLUDING SPLASH) AND NOMINALLY 36" HIGH U.O.N.
- SHADING ON PLAN DENOTES ACCESSIBLE SINKS, WORKSTATIONS AND FUME HOODS.
- SEAL ALL INTERFACES BETWEEN CABINETS, COUNTERTOPS, FUME HOODS AND WALLS WITH 100% CLEAR SILICONE EXCEPT ACCESS PANEL (IF ANY).

ACCESSIBILITY NOTES

- ACCESSIBLE FUME HOODS, SINKS, AND WORKSTATIONS ARE SHOWN SHADED ON PLANS (34" HIGH WORKSURFACE MAX. AND 30" WIDE x 27" HIGH x 17" DEEP KNEE SPACE MIN.).
- ALL EMERGENCY/SHOWER EYEWASH UNITS ARE ACCESSIBLE.