

LAB CASEWORK ABBREVIATIONS

A	AIR
Ar	ARGON
A.F.F.	ABOVE FINISHED FLOOR
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
€	CENTERLINE
CO ₂	CARBON DIOXIDE
CS	CUP SINK
CW	COLD WATER
CYL	CYLINDER
D	DATA
DI	DEIONIZED WATER
E	ELECTRICAL DEVICE
EQ	EQUAL
ER	EPOXY RESIN
EW	EYE WASH
FD	FLOOR DRAIN
FH	FUME HOOD
FP	FILLER PANEL
FR	FREEZER
FV	FIELD VERIFIED
GF1	GROUND FAULT INTERRUPT
H ₂	HYDROGEN
HP	HANDICAPPED PERSON WORKSTATION
HW	HOT WATER
KO	KNEE OPENING
LC	LIQUID CHROMATOGRAPHY
M	HOT AND COLD WATER MIXING
MFRS	MANUFACTURER
MS	MASS SPECTROMETRY
NMR	NUCLEAR MASS RESONANCE SPECTROMETER
N ₂	NITROGEN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OPP	OPPOSITE HAND
PB	PEGBOARD
PL	PLASTIC LAMINATE
PTD	PAPER TOWEL DISPENSER
ST.STL.	STAINLESS STEEL
SS	SAFETY SHOWER
SST	SAFETY STATION
ST	STEAM
U.N.O.	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
UC	UNDER COUNTER
V	VACUUM
VC	VENTED CABINET
WS	WIRE SHELVING

GENERAL NOTES – CASEWORK & FUMEHOODS

- REFER TO SPECIFICATION SECTIONS 11610 LABORATORY FUMEHOODS, 12347 METAL LABORATORY CASEWORK, AND 12348 WOOD LABORATORY CASEWORK FOR COMPLETE SCOPE OF WORK AND INSTALLATION.
- COORDINATE INSTALLATION OF CASEWORK WITH DIVISION 15, 16, AND 17 WORK, INCLUDING OVERHEAD SERVICE RACKS, LIGHTING, MECHANICAL & STRUCTURAL SYSTEMS. INSTALLATION OF BENCH-MOUNTED AND PANEL MOUNTED SERVICE FITTINGS, ELECTRICAL PEDESTALS AND MECHANICAL DEVICES TO BE COORDINATED AMONG BUILDING TRADES.
- ALL CASEWORK DIMENSIONS ARE NOMINAL. SLIGHT DIFFERENCES IN TOLERANCE DUE TO DIFFERENT MANUFACTURER'S STANDARD CONSTRUCTION DETAILS ARE ACCEPTABLE.
- FINISHED PANELS SHALL BE PROVIDED AT EXPOSED ENDS AND BACKS OF CASEWORK AND FUME HOODS. PROVIDE FILLER PANELS BETWEEN WALL AND CASEWORK IN A CONTINUOUS RUN. REMOVABLE PANELS SHALL OCCUR AT THE BACK OF ALL KNEE SPACES UNLESS OTHERWISE NOTED.
- COUNTERTOP LENGTH SHALL BE DETERMINED BY CASEWORK LOCATION. ALIGN JOINTS WITH EDGE OF BASE CABINETS. PROVIDE MOUNTING BRACKETS AND HARDWARE NECESSARY FOR PROPER INSTALATION OF LONG SPANS AND CANTILEVER CONDITIONS. TOPS SHALL OVERHANG 1" AT EACH EXPOSED END AND 1" FROM FRONT OF BASE CABINET. EXTEND TOPS TO ADJACENT WALL UNLESS OTHERWISE NOTED. SEAL ALL COUNTERTOP PENETRATIONS WITH ACID RESISTANT SEALANT.
- PROVIDE SIDE SPLASHES AT WALLS AND ADJOINING CASEWORK.
- COORDINATE MOUNTING OF UPPER CASEWORK AND ADJUSTABLE SHELF STANDARDS WITH WALL BLOCKING.
- CASEWORK AND TOPS TO BE INSTALLED PLUMB AND LEVEL WITHOUT VISIBLE DEFECT IN WORKMANSHIP OR MATERIALS.
- REFER TO 1/8" SCALE ARCHITECTURAL FLOOR PLANS FOR CORRIDOR WALL WINDOW TYPES, FOR SIZES & LOCATIONS NOT SHOWN ON ELEVATIONS.
- PROVIDE 4" HIGH RESILIENT BASE FOR ALL CABINERY. REFER TO ARCHITECTURAL DIVISION 9 SPECS.
- PROVIDE TRIM ESCUTCHEON AT CONDITION BETWEEN EXPOSED FUME HOOD EXHAUST DUCT AND CEILING.
- REFER TO SHEET A-8.2 FOR MISCELLANEOUS EQUIPMENT DESIGNATED WITH INDICATORS.
- REFER TO SHEET A-5.7 FOR MISCELLANEOUS ACCESSORIES DESIGNATED WITH INDICATORS.

SYMBOLS LEGEND

	FUME HOOD (SIZE VARIES) SEE FUMEHOOD SCHEDULE (A-10.25). # = TYPE
	BIOLOGICAL SAFETY CABINET BY OWNER (SIZE VARIES). # = SIZE IN FEET
	MICROSCOPE OR STORAGE CABINET (13" and 22" DEEP) SEE KEYED PLAN NOTES
	SERVICE FITTING – SINGLE SIDED. SEE D23/A10.26
	SERVICE FITTING – DOUBLE SIDED. SEE D23/A10.26
	LOCALIZED SNORKEL EXHAUST FROM CEILING (SEE PLANS FOR TYPE I OR TYPE II). SEE D30.31.32/A10.26
	SAFETY STATION. SEE D26/A10.26
	COAT / BAG RACK
	MOVEABLE TABLE (SIZE VARIES)
	KNEE OPENING IN UNDERCOUNTER CABINETS
	PEGBOARD. SEE D21/A10.26
	WALL MOUNTED MARKERBOARD.
	OVERHEAD CABINERY
	SINK (SIZE VARIES) SEE SINK DETAILS ON SHT. A-10.26. # = TYPE
	SAFETY SHOWER W/ FLOOR DRAIN. SEE D28/A10.26
	EYEWASH (WALL MOUNTED). SEE D29/A10.26
	FLOOR DRAIN
	DUPLEX OUTLET
	DATA
	TELEPHONE
	SPECIAL OUTLET (208, 220, OR 240)
	30"H COUNTER TOP HEIGHT 30" ABOVE FINISHED FLOOR. SEE SHEET A10.28
	36"H COUNTER TOP HEIGHT 36" ABOVE FINISHED FLOOR. SEE SHEET A10.28
	ELEVATION KEY
	CYLINDER TANK. SEE D34/A10.26
	ISLAND-# CASEWORK ISLAND TYPE. SEE SHEET A10.28. # = TYPE
	CUP SINK

KEYED PLAN NOTES

NO.	DESCRIPTION	FURNISHED BY	INSTALLED BY	REMARKS
1	MARKERBOARD		CONTRACTOR	SEE DETAIL 16/A10.28
2	GAS CYLINDER RACK		CONTRACTOR	SEE DETAIL 34/A10.26
3	BENCH MOUNTED SNORKEL		OWNER	SEE DETAIL 32/A10.26
4	MAP CASE		CONTRACTOR	
5	APPARATUS RACK (FLEXIFRAME)		CONTRACTOR	
6	SAFETY STATION		CONTRACTOR	SEE DETAIL 26/A10.26
7	CHROMATOGRAPHY REFRIGERATOR (4' C)		CONTRACTOR	
8	TALL FLAMMABLE STORAGE CABINET		OWNER	
9	REAGENT SHELVES		CONTRACTOR	
10	MOBILE DEMONSTRATION CART		CONTRACTOR	DETAIL 18/A10.28
11	MICROSCOPE CABINET (22" DEEP)		CONTRACTOR	SEE ALTERNATE #3
12	STORAGE CABINET (22" DEEP)		CONTRACTOR	SEE ALTERNATE #3
12B	STORAGE CAB W/ 36" WIDE DOORS (22" DEEP)		CONTRACTOR	SEE ALTERNATE #3
12S	STOR CAB W/ GLASS DOORS (13" DEEP)		CONTRACTOR	SEE ALTERNATE #3
13	INCUBATOR		CONTRACTOR	
14	SPECIMEN TRAY CABINET	OWNER	CONTRACTOR	EXISTING CABINETS TO BE RELOCATED
15	MICROSCOPE TABLE		OWNER	
16	UNDERCOUNTER FREEZER		OWNER	
17	UNDERCOUNTER REFRIGERATOR		OWNER	
18	WATER REACTIVE CABINET		OWNER	
19	ICE MACHINE		OWNER	CONTRACTOR TO COORDINATE
20	DRY ICE FREEZER		OWNER	
21	GLASS WASHER / DRYER	OWNER	CONTRACTOR	SEE SPEC SECTION 11600
22	AUTOCLAVE	OWNER	CONTRACTOR	SEE SPEC SECTION 11600
23	-20 FREEZER		OWNER	
24	REFRIGERATOR		OWNER	
25	STORAGE CABINET W/ SLIDING DOORS		CONTRACTOR	SEE ALTERNATE #3
26	BOOK/COAT STORAGE		CONTRACTOR	
27	GLASSWARE CART		OWNER	
28	LAB COAT STORAGE		CONTRACTOR	
29	COLD ROOM	OWNER	CONTRACTOR	SEE SPEC SECTION 13030
30	GROWTH CHAMBER		OWNER	
31	MORGUE REFRIGERATOR	OWNER	CONTRACTOR	SEE SPEC SECTION 11600
32	MOBILE COOKING STATION		CONTRACTOR	SEE DETAIL 19/A10.28
33	COAT HOOKS		CONTRACTOR	SEE ARCH. SPECS
34	GAS MANIFOLD SYSTEM	OWNER	CONTRACTOR	
35	SUSPENDED PROJECTOR BRACKET		CONTRACTOR	SEE REF. ARCH. CLG. PLANS
99	MISC. EQUIPMENT		OWNER	

LABORATORY SYMBOLS, NOTES, AND ABBREVIATIONS

A-10.1

01-14-03

REVISONS	DATE	NORTHERN KENTUCKY UNIVERSITY NATURAL SCIENCE BUILDING		PHASE C
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RECORD DATE		DRAWN BY ARJWR	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET	
DATE 6/99		CHECKED BY SCH	DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	
DATE 6/99		Omni Architects		DRAWING NO: A-10.1
AGENCY AUTHORIZED AGENT		APPROVED FOR PROGRAM CONCEPT ONLY		REVIEWED DIV. OF ENGR.
DIVISION OF ENGINEERING		APPROVED FOR PROGRAM CONCEPT ONLY		ENGR. FILE NO:

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