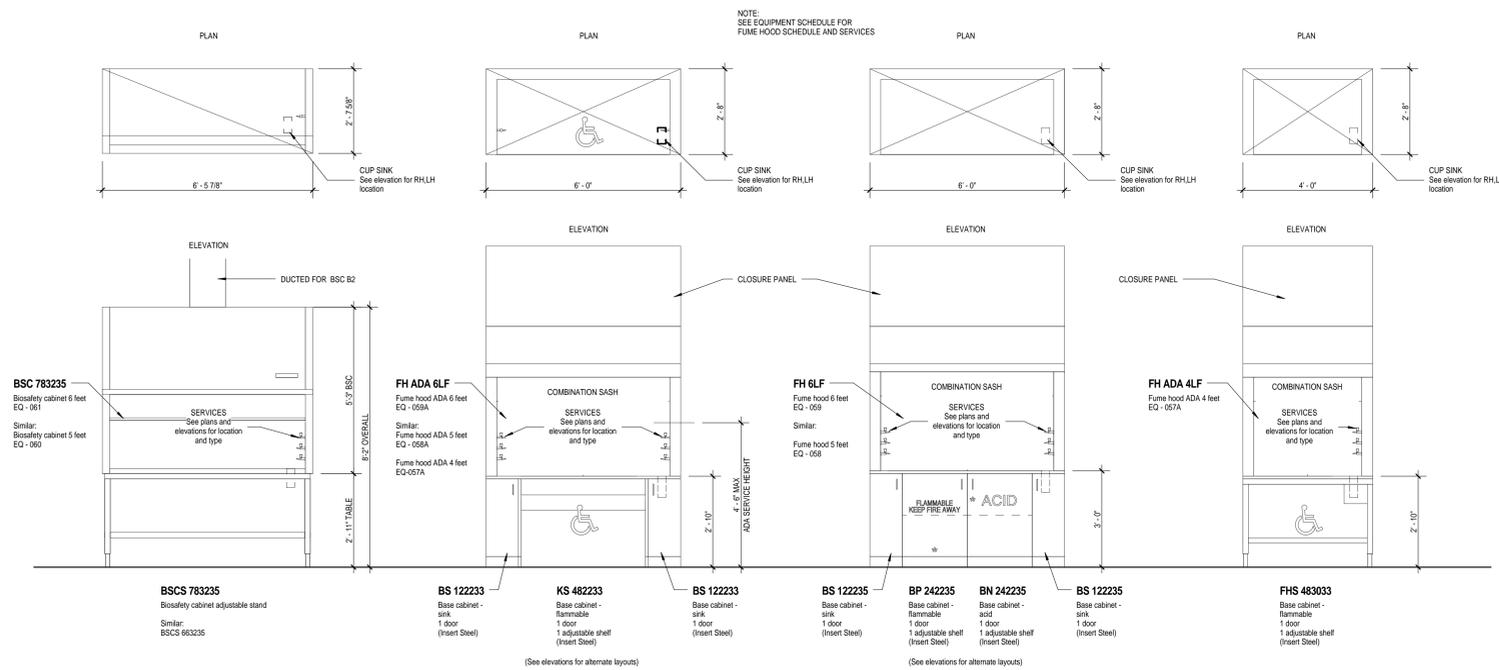


# BIOSAFETY CABINETS AND FUME HOODS



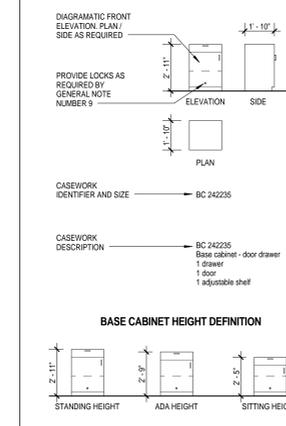
## CASEWORK GENERAL NOTES:

- CASEWORK IS IDENTIFIED WITH A FOUR PART TAG: XXVWH  
XX = CASEWORK TYPE  
VV = NOMINAL WIDTH IN INCHES  
DD = NOMINAL DEPTH IN INCHES  
HH = NOMINAL HEIGHT IN INCHES
- PROVIDE FINISHED SIDE BACK CLOSURE/INSERT PANELS AT ALL KNEE SPACE UNITS AND KNEE SPACE DRAWER UNITS AND UNDER COUNTER EQUIPMENT. COORDINATE RECEPTACLES INDICATED WITH ELECTRICAL DIVISION.
- BASE TO BE APPLIED TO ALL CASEWORK COMPONENTS AT FLOOR CONDITIONS, INCLUDING KNEE SPACE DRAWER UNITS AND UNDER COUNTER EQUIPMENT.
- PROVIDE TASK LIGHTS AT UNDERSIDE OF WALL CABINETS AND SHELVES. LIGHT TO BE CENTERED ON UNIT. PROVIDE IN LENGTHS APPROPRIATE FOR MOUNTING ON CABINET/SHELVING UNITS ABOVE 60" NOMINAL LENGTH SHELF ETC. NO VALANCE UNLESS NOTED OTHERWISE ON ELEVATION.
- PROVIDE METAL INSERT CLOSURE AT ALL EXPOSED TOPS AND ENDS OF SUPPORT MODULES.
- PROVIDE RAIL COVERS AT ALL WALL FRAME ASSEMBLIES.
- ALL SINK ACCESSORIES TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED, UNLESS NOTED OTHERWISE.
- PEDESTALS AND FACERATES FOR RECEPTACLES OR TELECOMMUNICATIONS OUTLET BY CASEWORK MANUFACTURER (SECTION 12305), DEVICES BY DIVISION 16.
- PROVIDED LOCKS AT ALL CASEWORK NOTED WITH \* (ASTERISK)
- WORK SURFACES AT FUME HOODS ARE TO BE EPOXY RESIN

## ABBREVIATIONS:

120V	120 voltage electrical receptacle	MB	Markerboard
208V	208 voltage electrical receptacle	MF	Mixing Inlet
AS	Adjustable shelf	NZ	Nitrogen (gase)
ADA	Americans with disabilities act	NH3	Ammonia
AF	Above finished floor	NC	Not in contact
AV	Atmosphere Vent	NO2	Nitrogen dioxide
BA	Base cabinet - open shelf	OFC	Owner furnished contractor installed
BB	Base cabinet - door	OFCI	Owner furnished contractor installed
BC	Base cabinet - door drawer	OH	Opposite hand
BD	Base cabinet - drawers	PG	Glassware pegboard
BE	Base cabinet - drawers	PWR	Process cooling water return
BN	Base cabinet - acid	PCWS	Process cooling water supply
BP	Base cabinet - flammable	PE	Point exhaust
BQ	Base cabinet - base	PT	Porting bench
BS	Base cabinet - sink	RC	Rice chaise
BSC	Biological safety cabinet	PTD	Paper towel dispenser
CA	Compressed Air	RB	Rubber base
CC	Casework cabinet	RCWR	Research cold water return
CD	Contractor furnished contractor installed	RCWS	Research cold water return
CH	Chairs	RHW	Research hot water return
CHW	Crated water	RHWS	Research hot water supply
CO2	Carbon dioxide	RQ	Reverse osmosis water
CP	Closure panel	RODI	Reverse osmosis deionized water
CR	Cylinder restraints	SA	Overhead shelving
CS	Cup sink	SC	Service chaise
CSC	Ceiling service center	SG	Specialty gas
CSF	Ceiling service panel	SIC	Sink cabinet group
CT	Casework type	SD	Soap dispenser
CW	Cold water	SF	Square footage
DC	Base cabinet - suspended	SFA	Surfer
DD	Base cabinet - suspended - drawers	SFC	Sink cabinet group
DE	Data receptacles	SI	Similar
DI	Deionized water	SK	Sink
DL	Electronic bench	SKA	Sink surface assembly
EBL	Electronic bench with task lighting	SR	Surface roadway
EP	Emergency Power	SS	Stainless steel
EQ	Equipment	TB	Tall case - door
ER	Epoxy resin	TD	To be determined
ES	Electronic Sensor	TG	Tall case - glass doors
ESEW	Emergency shower eye wash	TO	Tall cabinet - gas
EW	Eye wash / splash hose	TL	Task light
EXH	Exhaust	TN	Tall cabinet - acid
FA	Facelift assembly	TF	Tall cabinet - flammable
FC	File cabinet	TO	Tall case - outdoor
FD	Floor drain	TR	Trash receptacle
FFAE	Furniture, fixtures, & equipment	TT	Table - adjustable height
FH	Fume hood	TTB	Table - adjustable height - backtopsh
FP	Food pedal or sensor operated	TS	Table - adjustable height - sink
FS	Fixed Shelf	TU	Table - fixed height
G	Gas, natural	UC	Under counter
GC	Gas cock	UN	Unless otherwise noted
GR	Ground fault interrupter	VB	Vacuum
GR	Counter grommet	VIB	Vacuum breaker
H2	Hydrogen	VIF	Verify in field
H2S	Hydrogen sulfide	WC	Wall case - door
HB	Hose bibb	WG	Wall case - glass
HDS	Heavy duty shelving	WV	Wall group
HDWB	Heavy duty work bench	WS	Wire shelving
HH	Height	WVW	Wire shelving
HP	High pressure	WVA	Wall frame assembly
HW	Hot water		
IFA	Isolator frame assembly		
IS	Inner shell		
IS	Knee space		
KSD	Knee space drawer		
KSR	Knee space rail		
LCA	Lab core assembly		
LFA	Laminar flow hood		
LS	Light switch		
LM	Lab module		
LN2	Liquid nitrogen		

### TYPICAL NOMENCLATURE DIAGRAM



### BASE CABINET HEIGHT DEFINITION



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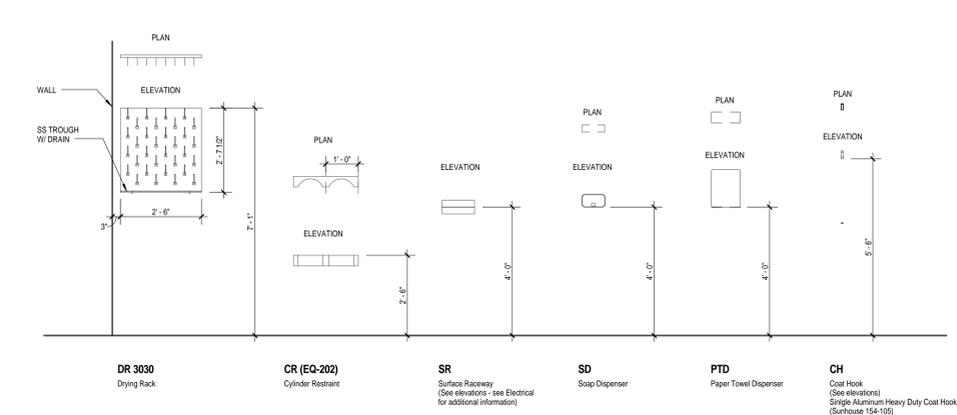
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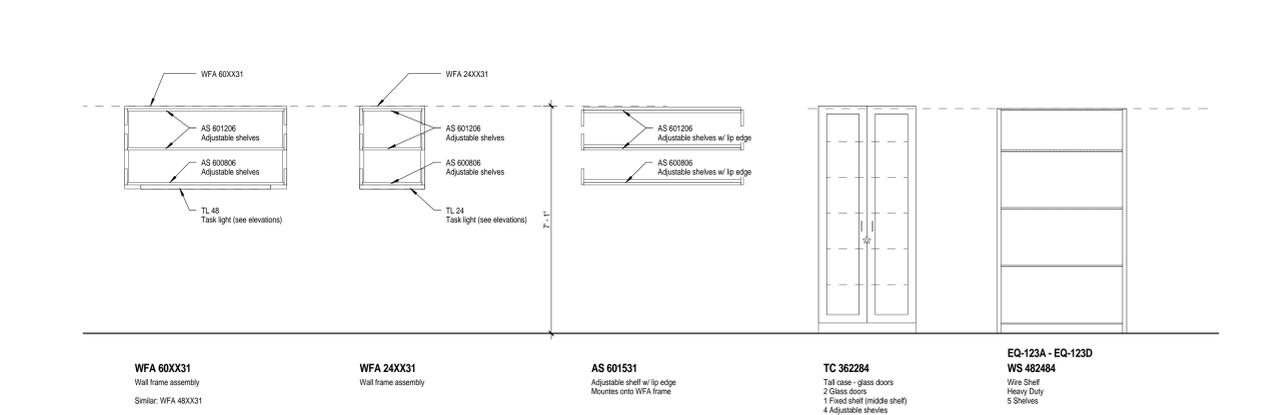
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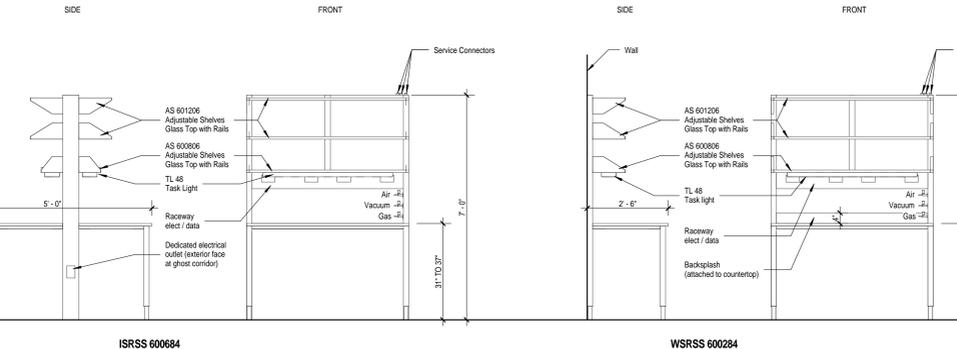
# ACCESSORIES



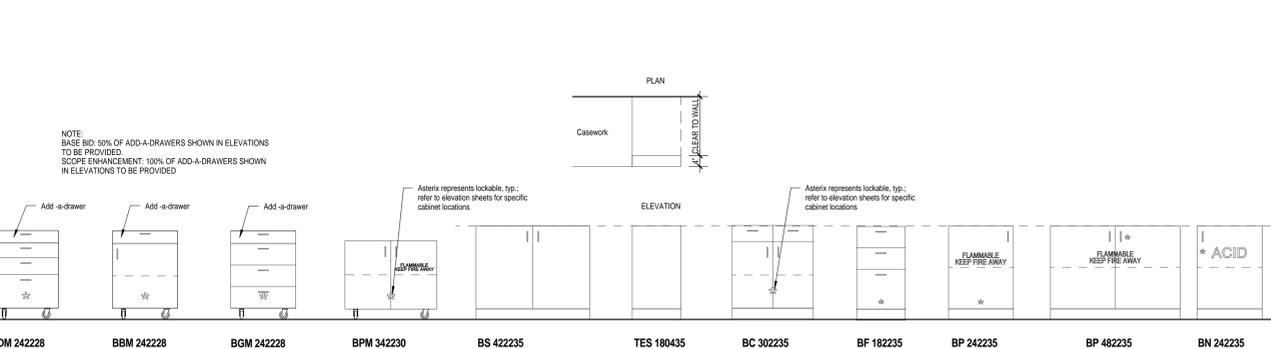
# SHELVING



# BENCHES



# BASE CABINETS



SEALS AND SIGNATURES

ISSUED FOR CONSTRUCTION 07/03/12

REV. NO.	DESCRIPTION	BY	APVD	DATE

**Argonne**  
NATIONAL LABORATORY

FMS  
Facilities Management Services

PROJECT TITLE: ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO: 22378

DRAWING TITLE: GENERAL INFORMATION

DESIGNED	VC	AE CADD FILE	AQ0.1	FACILITY (NOI)
DRAWN	VC	AE DWG. NO.	AQ0.1	
CHECKED	VC	AE DWG. NO.	AQ0.1	
PROJECT MANAGER	VC	DWG STATE		
ANL - JESSE ADAMS		BND ORDER		
DATE: 07/22/11		FACILITY DOCUMENT NUMBER		
		<b>J446-101-W-</b>	<b>AQ0.1</b>	