IOWA BUYING AGREEMENT

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SHEET LEGEND

SHEET INDEX

H20 H25

H30

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H80

H10.01

H10.02 H10.03

H10.04 H20.01

H25.01

H25.02

H40.01

H50.01

H80.01

H90.01-.03

GENERAL PROJECT INFO.	MINNEAPOLIS, MN 55413 PHONE: (612) 331-4880 TOLL FREE: (800) 795-0696 FAX: (612) 378-2236
CASEWORK OPTIONS PROJECT OPTIONS CASEWORK INFORMATION SINKS	ROCKY MOUNTAIN LAB DIVI 6200 SOUTH SYRACUSE WAY, SUI GREENWOOD VILLAGE, COLORADO PHONE: (303) 237-1333
FIXTURES FUME HOOD EQUIPMENT/FURNISHES	SOUTHWEST LAB DIVISION 16540 AIR CENTER BOULEVARD HOUSTON, TEXAS 77032 PHONE: (800) 795-0696

GENERAL INFORMATION

PROJECT INFORMATION

ROUGH-IN'S/SECTIONS

CASEWORK OPTIONS

COLOR OPTIONS

FLOOR PLAN

ELEVATIONS

TOP INFORMATION

SINK INFORMATION

FIXTURE INFORMATION

FLOOR PLAN **ELEVATIONS**

BLOCKING

WWW HAI DEMANHOMME COM

DESIGN / DEVELOPMENT

PHONE: (800) 795-0696 FAX: (832) 626-1057

HALDEMAN-HOMME, INC CORPORATE OFFICE

430 INDUSTRIAL BOLLEVARD

WAY, SUITE 120

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- O RE-SUBMITTED FOR APPROVA O SUBMITTED FOR DIMENSIONS
- O FABRICATION / INSTALL SET
- O CONSTRUCTION DRAWINGS

DOUBLE CHECK BEFORE YOU SEND TO DRAFTING

- KEYING
- FIELD DIMENSIONS
- HAMILTON FREIGHT SHEET HAMILTON DISCOUNT TEMPLATE
- OPTIONS CHECKED

COLOR FOR ALL PRODUCTS

SHEET TITLE:

PROJECT:

DRAWN BY:

C.MARTIN

SCALE: 3/8" = 1'-0"u.n.o.



HALDEMAN-HOMME, INC CORPORATE OFFICE 430 INDUSTRIAL BOULEVARD, MINNEAPOLIS, MINNESOTA 55413-2979 PHONE: 1(800) 795-0696 OR (612) 331-4880 • FAX: (612) 378-2236

AN EMPLOYEE OWNED COMPANY ENGAGED IN THE DISTRIBUTION OF EDUCATIONAL, INDUSTRIAL & INSTITUTIONAL EQUIPMENT.



EMPLOYEE OWNED

ROCKY MOUNTAIN LAB DIVISION

6200 SOUTH SYRACUSE WAY, SUITE 120 GREENWOOD VILLAGE, COLORADO 80111 PHONE: 1(800) 795-0696 / (303) 237-1333

SOUTHWEST LAB DIVISION

16540 AIR CENTER BOULEVARD HOUSTON, TEXAS 77032 PHONE:1(800) 795-0696 • FAX:1(832) 626-1057



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ARCHITECT

GENERAL CONTRACTOR

HALDEMAN-HOMME **CONTACT**

HALDEMAN-HOMME, INC. 430 INDUSTRIAL BOULEVARD MINNEAPOLIS, MINNESOTA 55413-2979 PROJECT MANAGER: KEN VILLONE

PHONE: (612) 362-2110 KVILLONE@HALDEMANHOMME.COM

CHAD 612-362-2134 CMARTIN@HALDEMANHOMME.COM

CAD ENGINEER:

COMPANY:

THERMO FISHER SCIENTIFIC HAMILTON - LAB FURNITURE 1316 18TH STREET, TWO RIVERS, WISCONSIN 54241

MANUFACTURER

COMPANY:

EPOXYN PRODUCTS

500 EAST 16TH STREET, MOUNTAIN HOME, ARKANSAS 72653

COMPANY:

WATERSAVER FAUCET COMPANY

701 WEST ERIE STREET, CHICAGO, ILLINOIS 60654

STAMPS

☐ APPROVED AS NOTED ☐ REVISE AND RESUBMIT

SIGNATURE: NOTES:

☐ APPROVED

DATE:

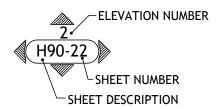
SYMBOLS



"Exceeding Customer Expectations Since 1924"

SHEETS INDICATED WITH "PROJECT CHECK" ARE TO BE APPROVED BY THE ARCHITECT, GENERAL CONTRACTOR AND HALDEMAN-HOMME PROJECT MANAGERS, PRIOR TO RELEASE FOR FABRICATION.

PLAN VIEW ELEVATION MARKER



ROOM TAG

SCIENCE LAB

101

ROOM NUMBER

NORTH INDICATION ARROW

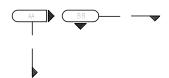
NORTH DIRECTION

PARTIAL FLOOR PLAN

SCALE: 3/4"=1'-0"

SCALE OF PLAN VIEW

SECTION SYMBOL



ABBREVIATIONS

GENERAL

ADA. AMERICAN WITH DISABILITIES ACT
ADJ. ADJUSTABLE
AFF. ABOVE FINISHED FLOOR
SIM. SIMILAR
UNO. UNLESS NOTED OTHERWISE

DIMENSIONING

CONT. CONTINUOUS
DIA. DIAMETER
EQ. EQUALLY SPACED
I.D. INSIDE DIAMETER
L.F. LINEAR FOOT
MIN. MINIMUM
MAX. MAXIMUM
N.T.S NOT TO SCALE

F.V. FIELD DIMENSION NEED TO BE FIELD VERIFIED F.M. FIELD DIMENSION HAS BEEN FIELD MEASURED

C.I.F. CUT IN FIELD

EQUIPMENT

N.I.C NOT IN CONTRACT

O.F.O.I OWNER FURNISH OWNER INSTALL

O.F.C.I OWNER FURNISH CONTRACTOR INSTALL

C.F.O.I CONTRACTOR FURNISH OWNER INSTALL

SERVICE FIXTURES

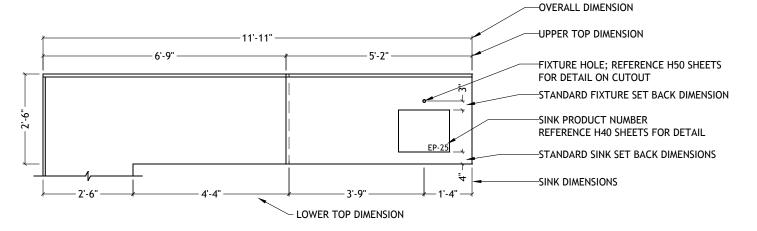
HW HOT WATER MIXING HOT AND COLD WATER H/CW DISTILLED WATER DW DEIONIZED WATER EW EYEWASH ELECTRICAL GAS VACUUM NIT ITROGEN OXY OXYGEN COMPRESSED AIR

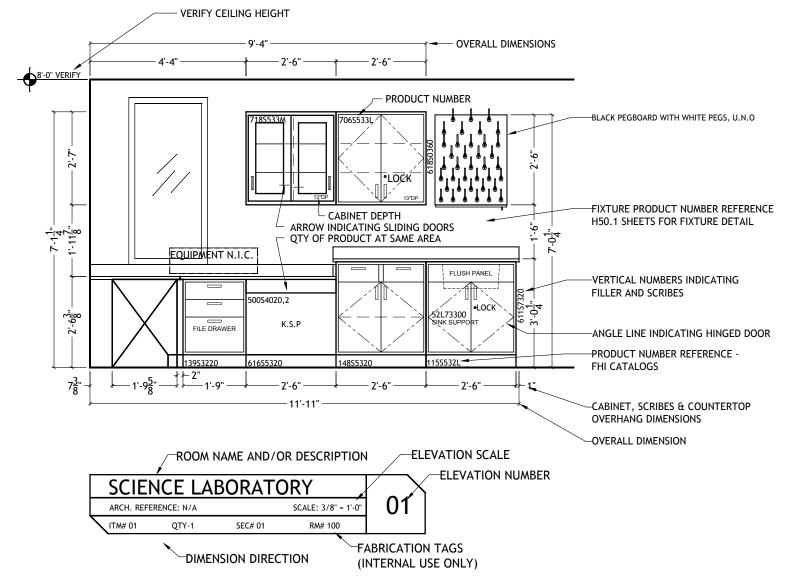
COLD WATER

CASEWORK

K.S. KNEESPACE OPENING
K.S.P KNEESPACE WITH PANEL
K.S.W KNEESPACE OPEN TO WALL
K.S.T KNEESPACE OPEN THROUGH
FH FUME HOOD
CAV CONSTANT AIR VOLUME
VAV VARIABLE AIR VOLUME
SK SINK
CU CUP SINK

TYPICAL DRAWING; INFORMATION & DETAILS MAY NOT APPLY.





HALDEMAN-HOMME, INC. CORPORATE OFFICE

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ROCKY MOUNTAIN LAB DIVISION

6200 SOUTH SYRACUSE WAY, SUITE 120 GREENWOOD VILLAGE, COLORADO 8011 PHONE: (303) 237-1333

SOUTHWEST LAB DIVISION

16540 AIR CENTER BOULEVARD HOUSTON, TEXAS 77032 PHONE: (800) 795-0696 FAX: (832) 626-1057

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DESIGN / DEVELOPMENT

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PROJECT STATUS

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- O FABRICATION / INSTALL SET
- O CONSTRUCTION DRAWINGS

PROJECT:

OWA BUYING AGREEMENT

SHEET TITLE: GENERAL DETAILS

SYMBOLS / ABBREVATION

DRAWN BY:

C.MARTIN

SCALE:
3/8" = 1'-0"U.N.O.

FHI-OOR NUMBER:

HEET NO:

SHIP TO INFORMATION:

NAME:			
ADDRESS 1:			
ADDRESS 2:			
CITY:	STATE:	ZIP:	
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DDO IECT CHECK
PROJECT CHECK
"Exceeding Customer Expectations Since 1924"

SHEETS INDICATED WITH "PROJECT CHECK" ARE TO BE APPROVED BY THE ARCHITECT, GC & HALDEMAN-HOMME PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.

PHASE / ORDER HEADER INFORMATION		REQUESTED SHIP DATE	ORDER DIRECTION	ORDER STATUS
PHASE NAME:	PHASE NAME:	☐STANDARD; ☐NON-STANDARD; ☐PRIORITY; ☐EXTENDED;	☐ PRELIMINARY ☐ NEW ORDER ☐ MANUFACTUREABLE PRE SECTION NUMBER(S):	☐ COMPLETE ORDER ☐ PARTIAL ORDER
PHASE / ORDER HEADER INFORMATION		REQUESTED SHIP DATE	ORDER DIRECTION	ORDER STATUS
PHASE NAME: PHASE NAME:		STANDARD: STANDA	☐ PRELIMINARY ☐ NEW ORDER ☐ MANUFACTUREABLE PRE SECTION NUMBER(S):	COMPLETE ORDER
PHASE / ORDER HEADER INFORMATION		REQUESTED SHIP DATE	ORDER DIRECTION	ORDER STATUS
PHASE NAME:	PHASE NAME:	☐ STANDARD: ☐ NON-STANDARD: ☐ PRIORITY: ☐ EXTENDED:	☐ PRELIMINARY ☐ NEW ORDER ☐ MANUFACTUREABLE PRE SECTION NUMBER(5);	☐ COMPLETE ORDER ☐ PARTIAL ORDER
PHASE / ORDER HEADER INFORMATION		REQUESTED SHIP DATE	ORDER DIRECTION	ORDER STATUS
PHASE NAME:	PHASE NAME:	☐ STANDARD: ☐ NON-STANDARD: ☐ PRIORITY: ☐ EXTENDED:	☐ PRELIMINARY ☐ NEW ORDER ☐ MANUFACTUREABLE PRE SECTION NUMBER(S);	COMPLETE ORDER
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NOTES:		□EXTENDED:	PRE SECTION NUMBER(S):	

HALDEMAN-HOMME GENERAL NOTES:

- ALL WALL TO WALL DIMENSIONS MUST BE FIELD VERIFIED PRIOR TO RELEASE OF MATERIALS FOR FABRICATION.
- FV INDICATES DIMENSION TO BE FIELD VERIFIED PRIOR TO RELEASE OF MATERIALS FOR FABRICATION.
- CASEWORK AND WORK SURFACE COLORS MUST BE SELECTED PRIOR TO RELEASE OF MATERIALS FOR FABRICATION.

PROJECT SPECIFIC NOTES:

CASEWORK CONSTRUCTION BY: THERMO SCIENTIFIC HAMILTON BASE MOLDING: SUPPLIED & INSTALLED BY OTHERS SERVICE FIXTURES SUPPLIED BY: OTHERS SERVICE FIXTURES INSTALLED BY: OTHERS SINKS SUPPLIED BY: OTHERS SINKS INSTALLED BY: OTHERS SINKS & FIXTURE CUTOUTS: TO BE DONE BY THE MANUFACTURER U.N.O. ALL PLASTIC LAMINATE BY: OTHERS ALL MILLWORK BY: OTHERS

* IF SINK & FIXTURES ARE SUPPLIED BY OTHERS, PRODUCT DATA & CUTSHEETS ARE NEEDED PRIOR TO MANUFACTURED LEAD TIMES FOR FABRICATION. ADDITIONAL COSTS MAY APPLY DUE TO FIELD MODIFICATIONS.

HALDEMAN-HOMME, INC. CORPORATE OFFICE

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ROCKY MOUNTAIN LAB DIVISION

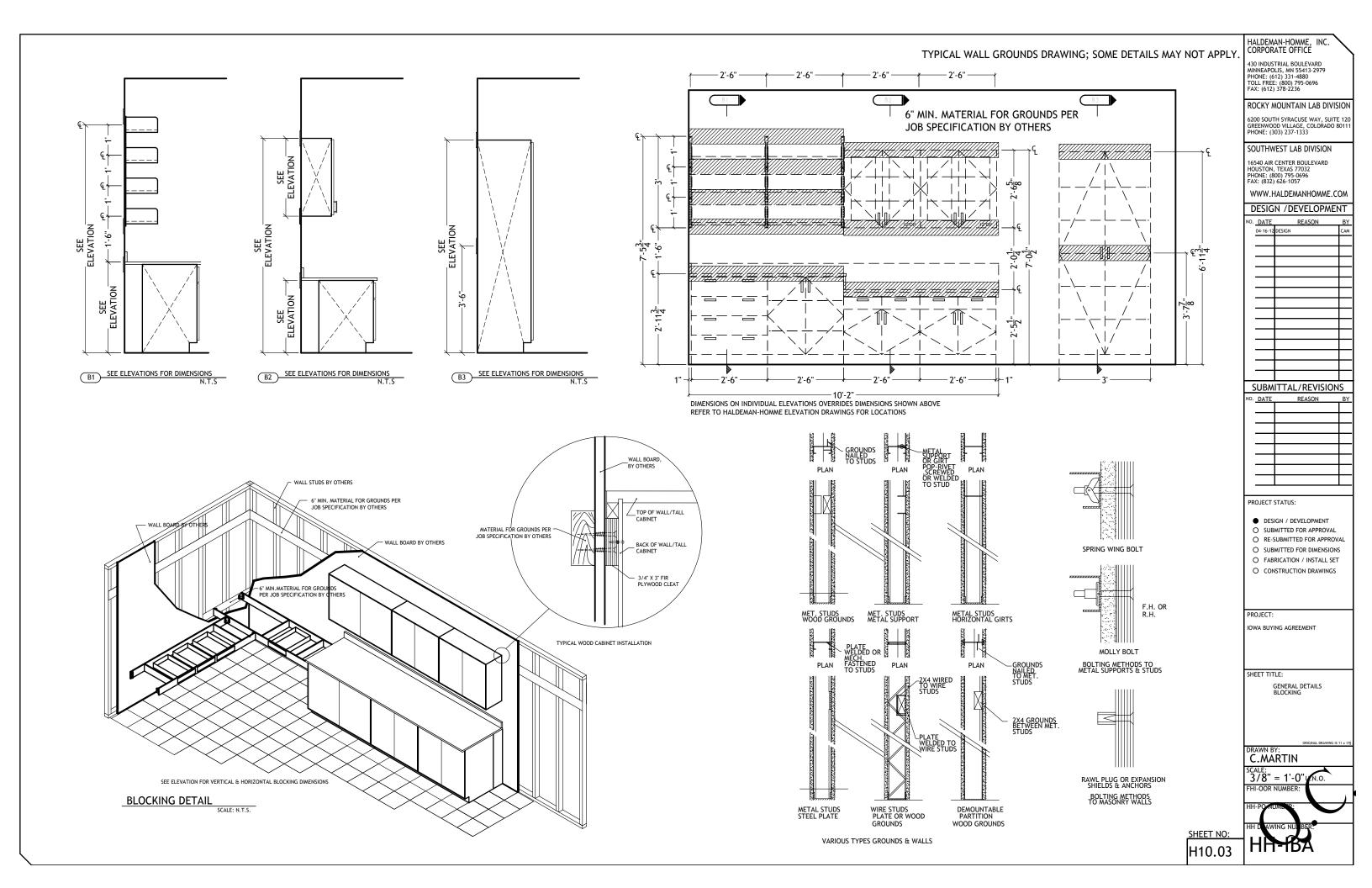
6200 SOUTH SYRACUSE WAY, SUITE 120 GREENWOOD VILLAGE, COLORADO 80111 PHONE: (303) 237-1333

SOUTHWEST LAB DIVISION

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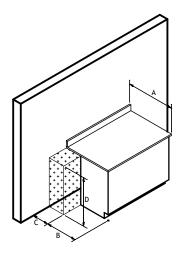


BASE CABINET ROUGH-IN AT WALL

		L CADINET I	OUGIT-IN AT	WALL	
TOP DEPTH A	OVERHANG FROM CABINET DOOR & DRAWER FRONTS	OVERHANG FROM CABINET BODY	CABINET DEPTH B	UTILITY CHASE DEPTH C	UTILITY CHASE HEIGHT C
30"	7/8"	1 7/8"	21 ½"	7"	***

SEE ELEVATIONS FOR CORRECT HEIGHT

STANDING HEIGHT - 35 ½" SITTING HEIGHT - 28 ¾"

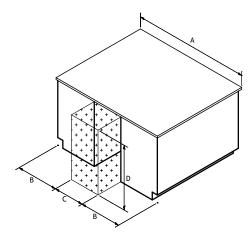


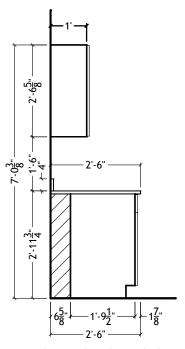
BASE CABINET ROUGH-IN AT BACK TO BACK ISLANDS

			711 571611 14		
TOP DEPTH A	OVERHANG FROM CABINET DOOR & DRAWER FRONTS	OVERHANG FROM CABINET BODY	CABINET DEPTH B	UTILITY CHASE DEPTH C	UTILITY CHASE HEIGHT C
60"	7/8" _{X2}	1 7/8" _{x2}	21 ½"	14"	***

SEE ELEVATIONS FOR CORRECT HEIGHT

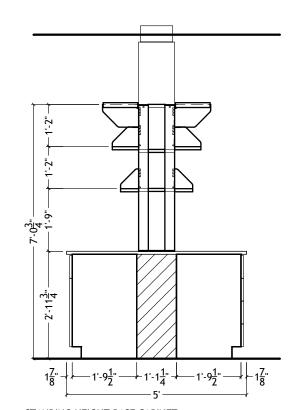
STANDING HEIGHT - 35 1/4" SITTING HEIGHT - 28 3/4"





STANDING HEIGHT BASE CABINET SCALE: 3/8" = 1'-0"

TYP. FLOOR MTD. BASE UNIT WITH WALL CABINET ABOVE



STANDING HEIGHT BASE CABINET SCALE: 3/8" = 1'-0"

TYP. FLOOR MTD. BASE UNIT WITH WALL CABINET ABOVE

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DESIGN / DEVELOPMENT

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PROJECT STATUS:

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- O RE-SUBMITTED FOR APPROVAL
- O SUBMITTED FOR DIMENSIONS O FABRICATION / INSTALL SET
- O CONSTRUCTION DRAWINGS

PROJECT:

IOWA BUYING AGREEMENT

GENERAL DETAILS ROUGH-INS / SECTIONS

DRAWN BY:
C.MARTIN

SCALE: 3/8" = 1'-0"



H10.04

PROJECT CHECK LABORATORY WOOD CABINET

OPTION MENILIS BASED OFF BID AND LABWORKS FILE IF THIS OPTION MENU CHANGES, STATE WHY AND WHO MADE THIS CHANGE.

CHECKED BY:

DATE CHECKED:

" PLYWOOD TOP WITH HARDWOOD VENEER SURFACES OWELED INTO END PANELS

EXPOSED ENDS - 3/4" PLYWOOD WITH SAME SPECIES VENEERS AS FRONT OF CABINET; UNEXPOSED ENDS 3/4" PLYWOOD

SURFACE MATERIAL AT EXPOSED ENDS SAME AS FRONT; UNEXPOSED ENDS ARE HARDWOOD VENEER

TWO SHELF CLIP OPTIONS ADJUSTABLE ON 1-1/4 (3.2CM) CENTERS

SHELF CLIPS ADJUSTABLE ON 1-1/4" (3.2CM) CENTERS

I" PLYWOOD BOTTOM WITH HARDWOOD FACES OWELED INTO END PANELS

3/4" PLYWOOD BOTTOM WITH HARDWOOD FACES DOWELED INTO END PANELS

3/4" PLYWOOD BOTTOM WITH HARDWOOD FACE

PLYWOOD SHELF WITH HARDWOOD FACES, 3/4" OR 1 THICK ON SOLID DOOR CABINETS, 1" THINK ON OPEN

1/4" PLYWOOD BACK OR TEMPERED HARDBOARD ON SOLID DOOR CASES; 1/4" HARDWOOD PLYWOOD BACK ON GLASS DOOR AND OPEN CASES

HARDWOOD CLEAT

3/4" BOTTOM RAILS

FIVE PLYWOOD SHELVES WITH HARDWOOD FACES-FOLIR AD ILISTABLE SHELVES WITH CENTER FIXED SHELF, 3/4" OR 1" THICK ON SOLID DOOR CABINETS, 1 THINK ON OPEN AND GLASS DOOR CABINETS

1/4" PLYWOOD OR TEMPERED HARDWOOD BACK

HARDWOOD TOP FRAME REINFORCED (ONLY WHEN FULL TOP FRAME IS SPECIFIED

1" X 3" HARDWOOD FRONT RAIL, SCREWED AND OWELED INTO END PANELS

3/4" X 1-1/2" HARDWOOD INTERMEDIATE DIVIDER RAIL ONLY WITH COMBINATION TYPE CABINETS AND WHEN SPECIFIED

METAL FLOOR GLIDES UNDER EACH END PANEL

3/4" TOE SPACE RAILS, DOWELED INTO END PANELS

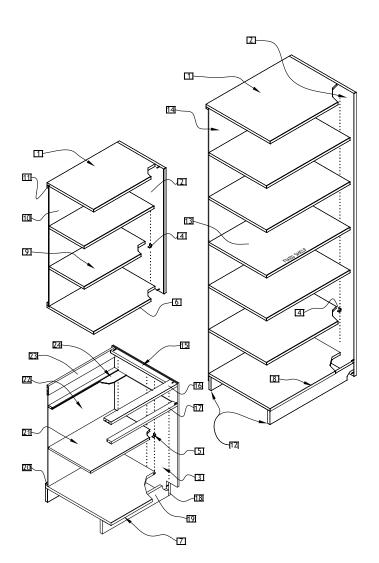
1/2" X 3/4" BACKING STRIP FOR REMOVABLE BACK

3/4" OR 1" PLYWOOD SHELF WITH HARDWOOD FACE

3/16" HARDWOOD REMOVABLE PANEL

1-1/2" HARDWOOD REAR DIVIDER RAIL) ONLY WITH COMBINATION TYPE CABINETS AND WHEN CABINET HA OPTIONAL KEYED-DIFFERENTLOCKS

3-3/4" X 3/4" HARDWOOD REAR TOP RAIL, DOWELED INTO CABINET SIDES



SHELF MATERIAL ^{1.1}CABINET FRONT AND/OR DRAWER STYLE:

- ☐ REGENCY FLUSH OVERLAY-STD
- ☐ LEGACY LIPPED OVERLAY
- □ PROFILE RADIUS OVERLAY
- ☐ PLASTIC LAMINATE FLUSH OVERLAY

ZIVENEER TYPE:

- ☐ PLAIN-SLICED RED OAK-STD
- ☐ RIFT-CUT RED OAK
- □ PLAIN-SLICED SELECT WHITE MAPLE
- ☐ ROTARY-SLICED SELECT WHITE MAPLE

GRAIN DIRECTION:

- ☐ COMBINATION-STD
- ☐ VERTICAL-MATCHED (FLUSH OVERLAY REGENCY ONLY)

CABINET CORE (SIDES AND BOTTOM): ☐ VENEER CORÈ PLYWOOD-STD

☐ PARTICLEBOARD CORE PLYWOOD

3 MM EDGEBAND COLOR FOR PLASTIC LAMINATE FACE:

(WOOD EDGERAND ON WOOD FACE) ☐ CHAMELEON ☐ BLACK ☐ GRAY ☐ WHITE ☐ N/A

CABINET TOP FRAME:

- ☐ FRONT HORIZONTAL AND REAR VERTICAL RAILS-STD
- ☐ FULL TOP FRAME

INTERMEDIATE FRONT RAILS:

☐ WITHOUT-STD(FOR REGENCY FLUSH & PROFILE FRONT STYLE

☐ WITH-STD(FOR LEGACY LIPPED OVERLAY)

INTERMEDIATE REAR RAILS:

- ☐ WITHOUT-STD
- □ WITH

SECURITY PANELS:

- ☐ WITHOUT-STD (FOR 21.5" DEEP CABINETS) ☐ WITH-STD(FOR 15" DEEP CABINETS)

REMOVABLE BACK PANELS(BASE CABINETS ONLY): ☐ ONE-PIECE BEHIND CUPBOARD AND 36"-48" WIDE DRAWER UNITS. OPEN BEHIND DRAWERS ON LESS THAN 36" WIDE

☐ TWO-PEICE BEHIND DRAWERS, ONE PIECE BEHIND CUPBOARD

FIXED BACKS(TALL, WALL, AND UPPER CASE ONLY):

- ☐ VENEER MDF CORE PLYWOOD-STD
- T TEMPERED HARDBOARD

DRAWER CONSTRUCTION, DRAWER HEIGHT:

- ☐ STANDARD HEIGHT-STD
- ☐ EXTENDED HEIGHT

DRAWER CONSTRUCTION, DRAWER JOINERY:

- ☐ LOCKJOINT, 5MM WHITE FINISHED MDF, NO DIVIDER GROOVES-STD
- ☐ LOCKJOINT, 5MM WHITE FINISHED MDF, WITH DIVIDER **GROOVES**
- ☐ LOCKJOINT, 5MM TEMPERED HARDBOARD BOTTOM, NO DIVIDER GROOVES ☐ LOCKJOINT, 5MM TEMPERED HARDBOARD BOTTOM, WITH
- DIVIDER GROOVES
- ☐ MULTIPLE DOVETAIL, 5MM WHITE PVC CLAD MDF, NO DIVIDER GROOVES
- DIVIDER GROOVES

DRAWER SUSPENSION:

- ALL FILE DRAWERS HAVE 150LB OVERTRAVEL SLIDES AS STANDARD \square 3/4 EXTENSION, OPEN ROLLER, 100 POUND OVERTRAVEL SLIDES AS STANDARD EPOXY-COATED-STD
- OVERTRAVEL, BALL BEARING, 150-POUND DYNAMIC. ZINC-PLATED-STD ON ALL FILE CABINETS (NOT ON 15" DEEP CABINETS) AVAILABLE ON DRAWERS WITH HEADS 4-MOD HIGH OR LESS-IF THIS OPTION IS SELECTED, VERS WITH HEADS 4-MOD HIGH OR LESS WILL BE FURNISHED WITH 100-POUND
- FULL-EXTENSION 100-POUND ZINC-PLATED

FULL-EXTENSION 100-POUND EPOXY-COATED FULL-EXTENSION SELF CLOSING ZINC-PLATED FULL-EXTENSION SELF CLOSING EPOXY COATED

- ☐ WOOD- STD ☐ STEEL(COLOR=GOGNAC)
 - ADJUSTABLE SHELVES ONLY, VENEER CORE PLYWOOD ON

FIXED SHELVES

- BASE CABINET SHELF DEPTH:
- ☐ HALF DEPTH, 12" SHELF- STD ☐ FULL DEPTH, 17,75" SHELF
- ☐ SPLIT DEPTH, TWO 8.875" SHELVES

SHELF THICKNESS (WOOD ONLY STEEL IS 3/4" THICK)

ALL SHELVES, 1" THICK 100-POUND RATING- <u>STD</u>

SHELF CLIPS

- ☐ PLATED PIN & SOCKET- STD
- ☐ PLASTIC TWIN-PIN(SEISMIC

DRAWER/DOOR PULL DIRECTION:

- CONFIGURATION 1 HORIZONTAL ON DRAWERS, VERTICAL ON DOORS-STD
- CONFIGURATION 2 HORIZONTAL ON DRAWERS AND BASE UNIT DOORS ☐ CONFIGURATION 3 - FULL WIDTH, HORIZONTAL ON DRAWERS,
- VERITCAL ON DOORS
- *NOTE: WALL, UPPER, AND TALL CASES ALWAYS HAVE VERTICAL PULLS

PULL TYPES:

☐ AVAILABLE FOR CONFIGURATIONS 1 & 2 ONLY

- ☐ BLACK POWDER COAT WIRE FINGER PULL-STD
- ☐ GOLDTONE POWDER COAT WIRE FINGER PULL T STAINLESS STEEL WIRE FINGER PULL
- ☐ SATIN CHROME WIRE FINGER PULL
- ☐ POLISHED CHROME WIRE FINGER PULL (PLATED)
- ☐ BRITE CHROME POWDER COATED WIRE FINGER PULL
- DOVE GRAY POWDER COAT WIRE FINGER PULL
- ☐ CHAMELEON POWDER COAT WIRE FINGER PULL ☐ ALUMINUM WIRE FINGER PULL
- ☐ BRUSHED ALUMINUM RECTANGULAR FINGER PULL
- ☐ SEMI RECESSED POLYPROPYLENE PULL
- ☐ CHAMELEON ☐ BLACK ☐ GRAY ☐ WHITE
- ☐ FLUSH ALUMINUM (REGENCY, PROFILE, AND LAMINATE ONLY)

☐ AVAILABLE FOR CONFIGURATION 3 ONLY

☐ FLUSH FUL-WIDTH SOLID HARDWOOD INTEGRAL PULL (REGENCY FLUSH AND PROFILE RADIUS FLUSH OVERLAY ONLY

DOOR HINGES

- ☐ 5-KNUCKLE
- ☐ BLACK, STEEL-STD
- ☐ GOLDTONE, STEEL
- ☐ STAINLESS STEEL
- ☐ DOVE GRAY, STEEL*
- ☐ CHAMELEON, STEEL*
- ☐ CONCEALED, SELF-CLOSING, 165-DEGREE* ☐ 3-BARREL HINGE (NO CATCH REQUIRED)*

*NOTE: REGENCY FLUSH OVERLAY, PROFILE RADIUS AND LAMINATE FLUSH OVERLAY ONLY

BASE-PLYWOOD(BASE UNITS ONLY):

- INTEGRAL WITH END PANELS-STD INTEGRAL WITH END PANELS WITH LEVELERS
- SEPERATE FACTORY ATTACHED
- SEPERATE, FIELD ATTACHED

TOEKICK(TALL CASES ONLY):

LOCK TYPES - WHERE SHOWN SEE KEYING: ☐ MASTER 5-DISC-STD

- (USE WHEN UP TO 225 KEY CHANGES ARE NEEDED, MASTER KEYED)
- ☐ MASTER 5-PIN*
 ☐ GRAND MASTER 5-PIN*

*USE WHEN UP TO 2000 PRIMARY KEY CHANGES ARE REQUIRED (5-PIN OPTION HAS 8-WEEK LEAD TIME)

CATCHES:

- ☐ ROLLER-STD ☐ MAGNETIC
- ☐ NONE (CONCEALED AND 3-BARREL HINGE)

LABEL HOLDERS:

- ☐ NONE-STD
- ONE PER DOOR, ONE PER DRAWER HEAD
- ☐ BLACK ☐ STAINLESS STEEL ☐ GOLDTONE NOTE: CHECK "NONE" WHEN FULL WIDTH AND SEMI-RECESSED POLYPROPYLENE PULLS ARE SELECTED

^{25.}GLASS:

- ☐ FLOAT GLASS-3MM ON WALL,UPPER AND TALL CASES; 6MM ON WALL AND UPPER CASE SOLID SLIDING GLASS - STD
- ☐ SAFETY GLASS-LAMINATED 6MM ON ALL UNITS (FRAMED) ☐ SAFETY GLASS- TEMPERED 3MM ON WALL, UPPER AND TALL CASES: 6MM ON WALL AND LIPPER CASE SOLID SLIDING GLASS

FINISH:

- ☐ STANDARD SEFA 8- STD
- ☐ STANDARD SEFA 8 WITH CONCEALED AREAS FINISHED □ U of WA

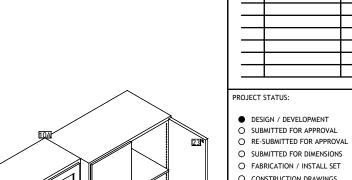
☐ U of WA WITH CONCEALED AREAS FINISHED

SUSPENSION HARDWARE:

4

☐ C-FRAME-<u>STD</u> ☐ MAX

STD- IS THE STANDARD DEFAULT SETTING



PROJECT:

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HNDSTAIL BODGLEVARD MINNEAPOLIS, MN 55413-2979 PHONE: (612) 331-4880 TOLL FREE: (800) 795-0696 FAX: (612) 378-2236

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WWW.HALDEMANHOMME.COM

DESIGN / DEVELOPMENT

SUBMITTAL/REVISIONS

DATE

ROCKY MOUNTAIN LAB DIVISION

6200 SOUTH SYRACUSE WAY, SUITE 120 GREENWOOD VILLAGE, COLORADO 8011 PHONE: (303) 237-1333 SOUTHWEST LAB DIVISION

SHEET TITLE:

CASEWORK OPTIONS

C.MARTIN 3/8" = 1'-0"**y**

O CONSTRUCTION DRAWINGS



EPOXY TOP COLOR SELECTION

₩ #06 BLACK

COLORS BELOW WILL ADD COST

SUPER WHITE

#16 PEARL

#03 GRAY

#14 PLATINUM

#15 ANTIQUE WHITE

#18 SAND

#19 SANDSTONE

#20 DARK KHAKI

#08 GREEN

#09 BLUE

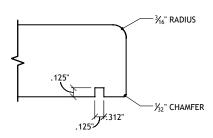
COUNTERTOP EDGE SELECTION

STANDARD 3/16" RADIUS

STANDARD DRIP GROOVE

MARINE EDGE

☐ 7/16" WATERFALL EDGE



NONE - NO LOCKS REQUIRED

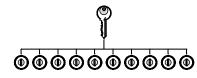
ALL LOCKS KEYED - DIFFERENT

ALL LOCKS ARE RANDOMLY KEYED W/ INDIVIDUAL KEYS PER LOCK. EACH KEY OPENS ONE LOCK.



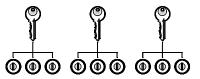
ALL LOCKS KEYED - ALIKE

ALL LOCKS ARE KEYED ALIKE W/ A SINGLE KEY TO OPEN ALL KEYS



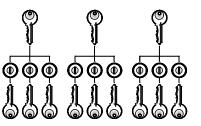
ALL LOCKS KEYED - IN SETS

LOCKS ARE GROUPED INTO AS MANY SETS AS REQUIRED. ONE KEY CAN OPERATE ALL LOCKS WITHIN A SET, BUT CANNOT OPEN LOCKS WITHIN ANOTHER SET. NO KEY CAN OPEN ALL LOCKS.



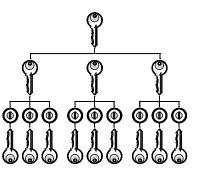
MASTER KEYED

ALL LOCKS ARE RANDOMLY KEYED WITH INDIVIDUAL KEYS PER LOCKS AND GROUPED INTO AS MANY SETS AS REQUIRED. EACH KEY OPENS ONLY ONE LOCK, BUT A MASTER KEY IS ISSUED PER SET WHICH CAN OPEN ANY LOCK WITHIN A RESPECTIVE SET.



ALL LOCKS KEYED DIFFERENT - GRAND MASTER & MASTER KEYED ALL LOCKS ARE RANDOMLY KEYED WITH INDIVIDUAL KEYS PER LOCK AND GROUPED INTO AS MANY SETS AS REQUIRED. EACH KEY OPENS ONLY ONE LOCK. BUT A MASTER KEY IS ISSUED PER SET

WHICH CAN OPEN ANY LOCK WITHIN THE RESPECTIVE SET. A GRAND MASTER KEY IS ALSO ISSUED WHICH CAN OPEN ALL LOCKS IN ALL SETS.



PROJECT CHECK COLOR

REQUIREMENTS FOR COLOR SELECTIONS

STEEL	CABINET SELECTION		T SELECTION DOOR & DRAWER FRONTS
PW SW CH PL SS A KK CH PM CH BS CH CH CH BS CH	PETAL WHITE SHELL WHITE CHAMELEON PLATINUM SANDSTONE SAND KHAKI DARK KHAKI PIEDMONT HUNTER GREEN BLUE SLATE BLUE INDIGO PURPLE BROWN BURGUNDY DOVE GRAY GRAY SLATE BLACK		
☐ SP	SPECIAL	l □ SP	SPECIAL

WOOD CABINET COLOR SELECTION

APPLIED IC	APPLIED TO CABINET BODY, DOOR & DRAWER FRONT					
OAK STA	OAK STAIN SELECTION					
□ ND	#249	NATURAL				
☐ HT	#250	HONEY TAN				
☐ TL	#251	TOASTED ALMOND				
☐ AR	#252	ACORN				
☐ BT	#253	BURNT UMBER				
☐ WH	#254	WHEAT				
☐ RC	#255	RICH CINNAMON				
MAPLE S	STAIN SELE	CTION				
☐ RN	#249M	NATURAL				
☐ HP	#250M	HONEY TAN				
☐ TP	#251M	TOASTED ALMOND				
☐ AP	#252M	ACORN				
☐ WP	#254M	WHEAT				
☐ RC	#255	RICH CINNAMON				
□ ма		MATCH STAIN				
☐ SP		SPECIAL STAIN				

HAMILTON FINISHES ITS STEEL LABORATORY FURNITURE & FUME HOODS WITH A SPECIAL POWDER COATING PROCESS. THE UNIQUELY FORMULATED URETHANE POWDER COAT FINISH HAS EXCELLENT CHEMICAL & ABRASION RESISTANCE. HAMILTON POWDER COAT FINISHES ARE SEFA 8 & U.S. GREEN BUILDING COUNCIL LEED COMPLIANT.

WOOD STAIN GUIDE:

CAREFULLY CONTROLLED FINISH COLORS ARE APPLIED TO WOOD & METAL PRODUCTS MANUFACTURED BY HAMILTON. HOWEVER, SOME VARIATIONS WILL OCCUR DUE TO SHEEN, NORMAL TOLERANCE IN PIGMENTS & NATURAL COLOR/WOOD GRAIN PATTERN DIFFERENCES. CONSEQUENTLY, REASONABLE TOLERANCE MUST BE ALLOWED IN FINISH SAMPLE AS WELL AS THE FINISHED EQUIPMENT.

EXTENSIVE RESEARCH HAS FURTHER PROVEN THAT ALL FINISHES ARE SUBJECT TO COLOR CHANGE, DEPENDING ON AGE AND EXPOSURE TO THE LIGHT. THESE FACTORS SHOULD ALSO BE CONSIDERED WHEN COMPARING SAMPLES & FURNITURE.

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PROJECT:

IOWA BUYING AGREEMENT

SHEET TITLE:

OPTIONS
-KEYING INFORMATION -COUNTERTOP OPTIONS -CASEWORK COLOR

C.MARTIN

3/8" = 1'-0"

H25.01

WORK SURFACE CHEMICAL RESISTANCE PHYSICAL PROPERTIES / TEST RESULTS 24 HOUR DURATION RESULTS ARE PSI - UNLESS NOTED OTHERWISE GLOSS/SURFACE ASTM # D790 13,401 FLEXURAL STRENGTH COMPRESSIVE STRENGTH ASTM #D695 >35,000 ALKALINE SOLUTIONS COLOR CONDITION TENSILE STRENGTH ASTM #D651 10,700 SODIUM HYDROXIDE FLAKE FLEXURAL MODULUS ASTM #D790 2x10⁶ SODIUM HYDROXIDE (40%) DENSITY ASTM #D792 2.03 G/CC WATER ABSORPTION ASTM #D570 +.02% AMMONIUM HYDROXIDE (28%) HEAT DISTORTION ASTM #D648 331° ASTM #E18 ROCKWELL M HARDNESS 105 **INORGANIC ACIDS** HYDROCHLORIC ACID (37%) NITRIC ACID (70%) **HEAT RESISTANCE** PHOSPHORIC ACID (85%) SULFURIC ACID (77%) THE TOP SHOWED NO BLISTERING OR CRACKING WHEN AN OVERTURNED 3/8" (9.525mm) BUNSEN BURNER, ADJUSTED TO A QUIET FLAME WITH AA 1-1/2" (38mm) **ORGANIC ACIDS** FORMIC ACID (90%) INNER CORE, WAS ALLOWED TO REMAIN ON THE SURFACE FOR TWO MINUTES. ACETIC ACID, GLACIAL CHAR RESISTANCE **ORGANICS:** METHYL ALCOHOL A HIGH FORM PORCELAIN CRUCIBLE, SIZE 15ml, WAS HEATED OVER A BUNSEN TOLUENE BURNER TO A DULL RED HEAT. IMMEDIATELY THE HOT CRUCIBLE WAS PLACED ON ACETONE THE TOP SURFACE AND ALLOWED TO COOL TO ROOM TEMPERATURE. FORMALDEHYDE (37%) UPON REMOVAL, THE SURFACE HAD NO BLISTERS, CRACKS OR BREAKDOWN. HYDROGEN PEROXIDE (30%) FIRE RESISTANCE GASOLINE ETHYL ACETATE USING ASTM D635 TEST PROCEDURES FOR DETERMINING BURNING CHARACTERISTICS, MONOCHLOROBENZENE EPOXY RESIN SHOWS NO BURN RATE AND IS CONSIDERED SELF EXTINGUISHING. PHENOL (85%)

COLOR SCALE:

01

03

05

09

NO EFFECT

NO EFFECT SLIGHT CHANGE

SLIGHT CHANGE

SIGNIFICANT CHANGE

GLOSS/SURFACE CONDITION SCALE:

CLEARLY DISCERNIBLE CHANGE SIGNIFICANT CHANGE

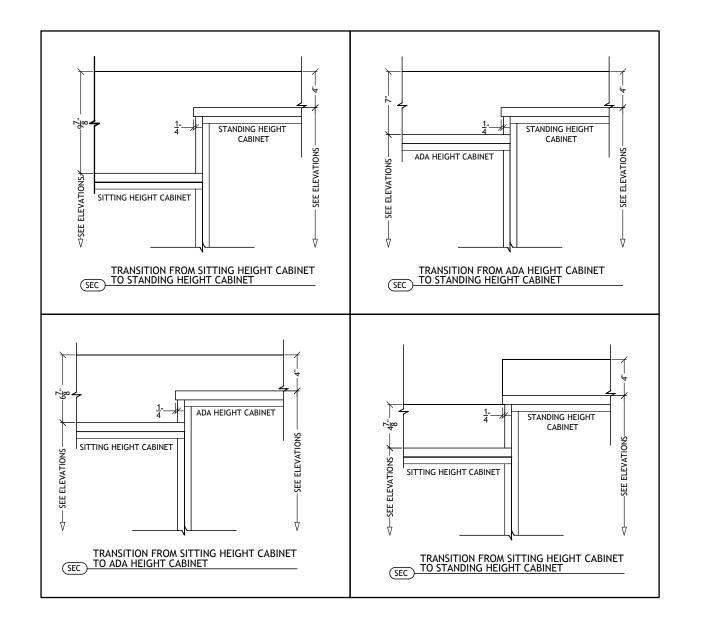
MASSIVE PITTING/CRATERING

MASSIVE PITTING/CRATERING
MASSIVE PITTING/CRATERING

MASSIVE PITTING/CRATERING

SLIGHT SURFACE DETERIORATION SIGNIFICANT SURFACE DETERIORATION

CLEARLY DISCERNABLE CHANGE



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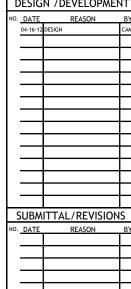
6200 SOUTH SYRACUSE WAY, SUITE 120 GREENWOOD VILLAGE, COLORADO 80111 PHONE: (303) 237-1333

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-COUNTERTOP OPTIONS
-CASEWORK COLOR

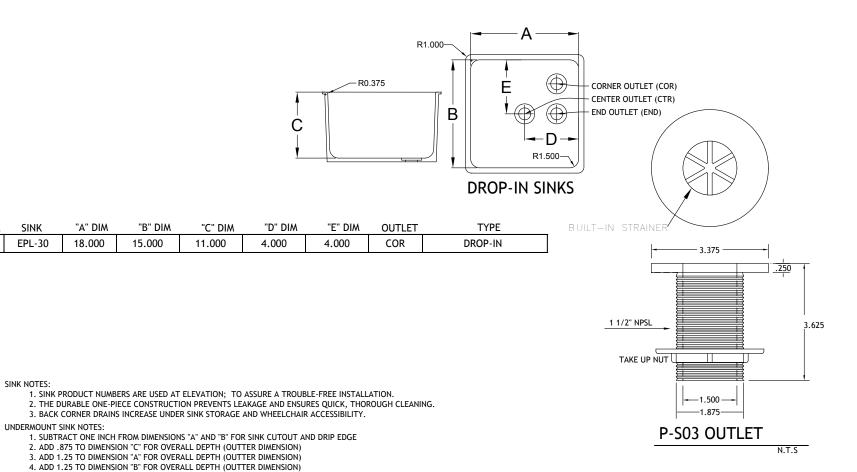
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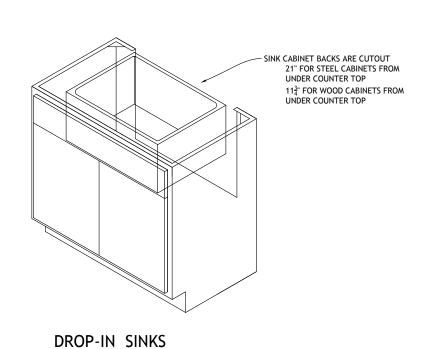
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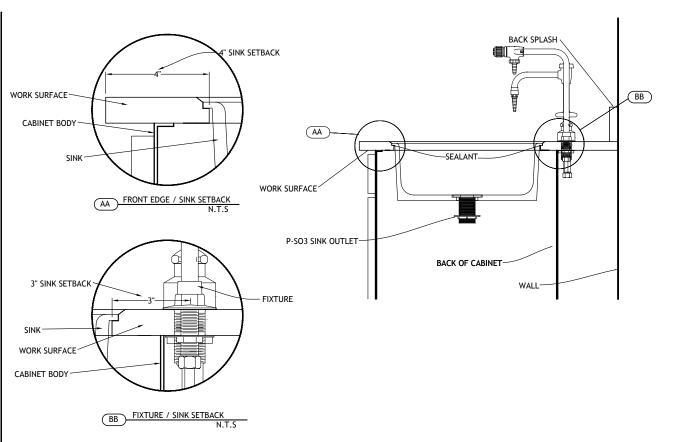




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ARCH REF.

N/A



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PROJECT:

IOWA BUYING AGREEMENT

SHEET TITLE:

SINK INFORMATION GENERAL DETAILS

C.MARTIN

SCALE: 3/8" = 1'-0"

H40.01

LAB FIXTURES DESIGN & INSTALLATION GUIDELINES

WaterSaver Faucet Co.

Innovative Products for Research 701 West Erie Street Chicago, Illinois 60 610

FIXTURE SPACING GENERAL INFORMATION:

- WHEN LAYING OUT FIXTURE GROUPINGS, IT IS NECESSARY TO PROVIDE AMPLE SPACE AROUND FIXTURES FOR EQUIPMENT TO BE CONNECTED TO VALVES & FOR LABORATORY PROCEDURES TO BE CARRIED OUT.
- IT IS ALSO NECESSARY TO PROVIDE ADEQUATE SPACING FOR HANDLE CLEARANCES & EASY OPERATION OF THE FAUCETS & VALVES.
- TYPICAL SPACING FOR FIXTURE ARRANGEMENTS AT LABORATORY BENCHES & SINKS ARE SHOWN BELOW.
- THESE DIAGRAMS SHOW THE MINIMUM ALLOWABLE SPACING BETWEEN FIXTURES ON COUNTER TOPS.

TYPICAL CUP SINK & FIXTURE SPACING:



TYPICAL SINK & FIXTURE SPACING:



HOLE SIZING:

FIXTURES ARE FURNISHED WITH STANDARD SIZE INLET SHANKS TO PENETRATE THE DECK LISTED BELOW. MINIMUM HOLE SIZE FOR THESE SHANKS ARE LISTED BELOW.

INLET SH	IANK	MINIMUM	HOLE SIZING
3/8"	IPS SHANK	3/4"	HOLE
1/2"	IPS SHANK	7/8"	HOLE
3/4"	IPS SHANK	1-1/8"	HOLE
1-3/16"	DIA. SHANK	1-1/4"	HOLE
1-3/8"	DIA. SHANK	1-3/8"	HOLE

GENERAL NOTES:

WHEN PLACING A FAUCET OR VALVE ON A LABORATORY COUNTERTOP OR WALL, SECURE THE FIXTURE USING THE LOCK WASHER & LOCKNUT. TIGHTEN THE LOCKNUT SUFFICIENTLY TO SECURE THE FIXTURE TO THE COUNTER OR WALL. DO NOT OVERTIGHTEN.

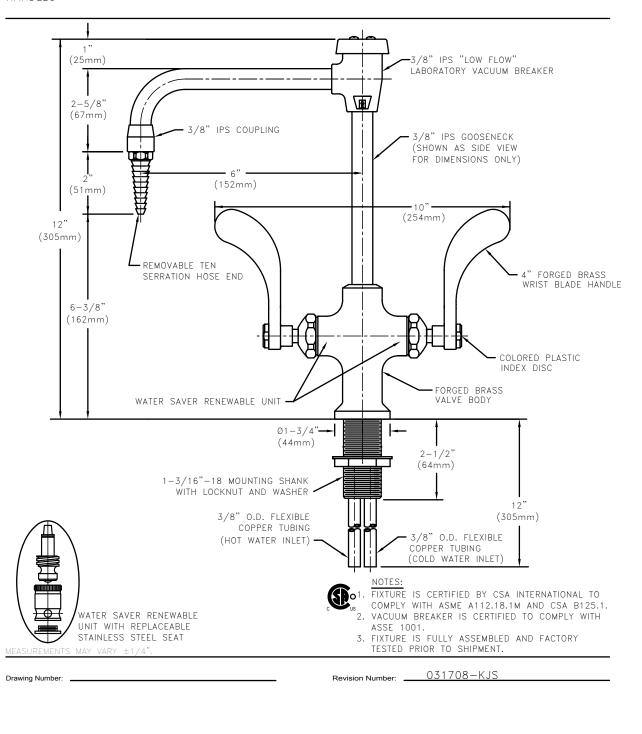
ON ORDER TO FUNCTION PROPERLY, VACUUM BREAKERS MUST BE INSTALLED IN A VERTICAL POSITION, PERPENDICULAR TO THE FINISHED FLOOR.

WaterSaver Faucet Co.

701 West Erie Street Phone 312 666 5500 Chicago, I**ll**inois 60 610 Fax 312 666 8597

L411VB-BH

LABORATORY MIXING FAUCET, DECK MOUNTED, 6" RIGID VACUUM BREAKER GOOSENECK, WRIST BLADE HANDLES



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PROJECT:

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FIXTURE INFORMATION GENERAL DETAILS

ORIGINAL DRAWING I

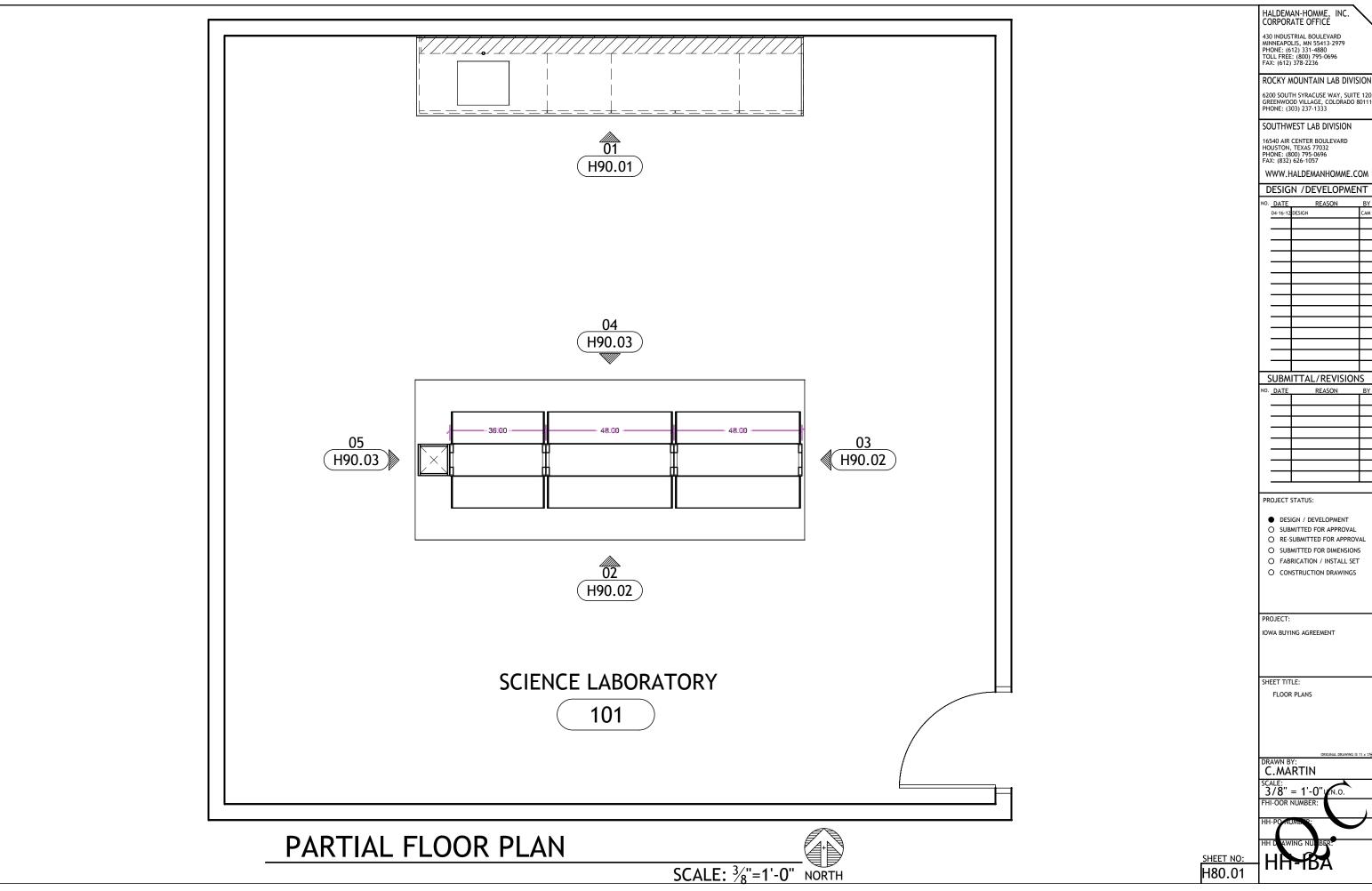
C.MARTIN

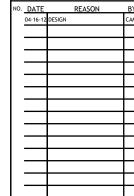
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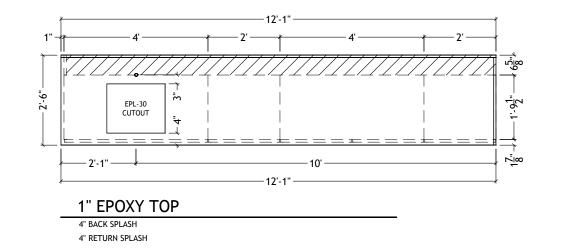
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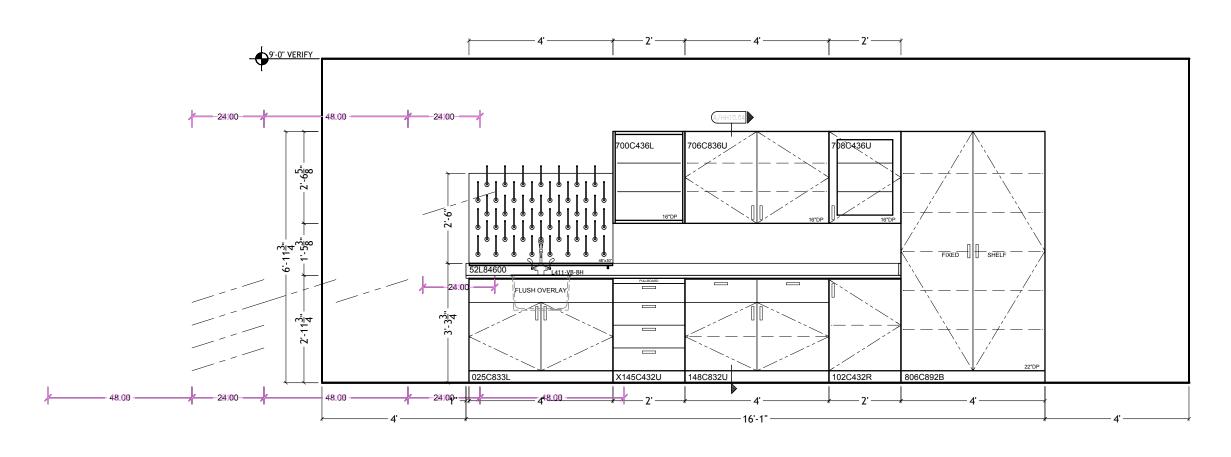


SHEET NO: **H50.01**









SCIENCE LABORATORY ARCH. REFERENCE: N/A SCALE: 3/8" = 1'-0" ITM# 01 QTY- 1 SEC# D1 RM# 101

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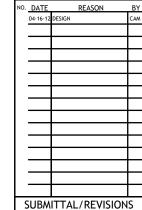
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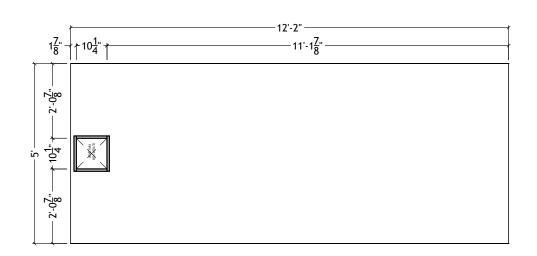
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DRAWN BY:
C.MARTIN

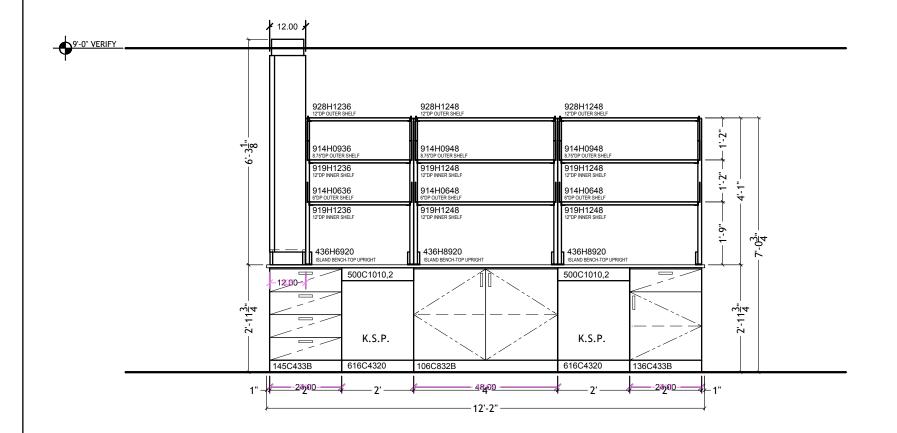
SCALE: 3/8" = 1'-0" v.N.O.

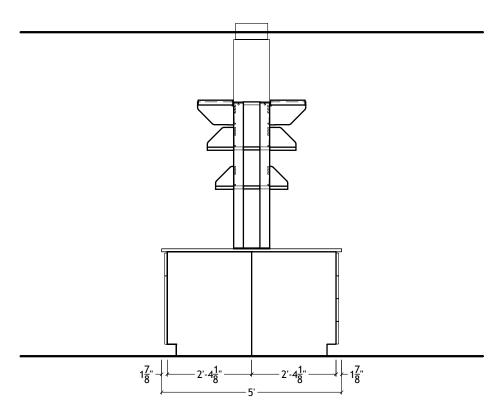
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1" EPOXY TOP

3/4"TK X 5"H CURBS AT UMBILICALS





SCIENCE LABORATORY SCALE: 3/8" = 1'-0" ARCH. REFERENCE: N/A ITM# 02 QTY- 1 SEC# D1 RM# 100

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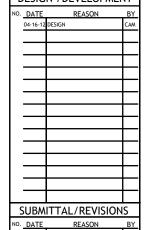
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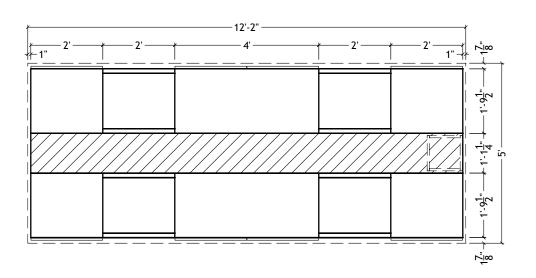
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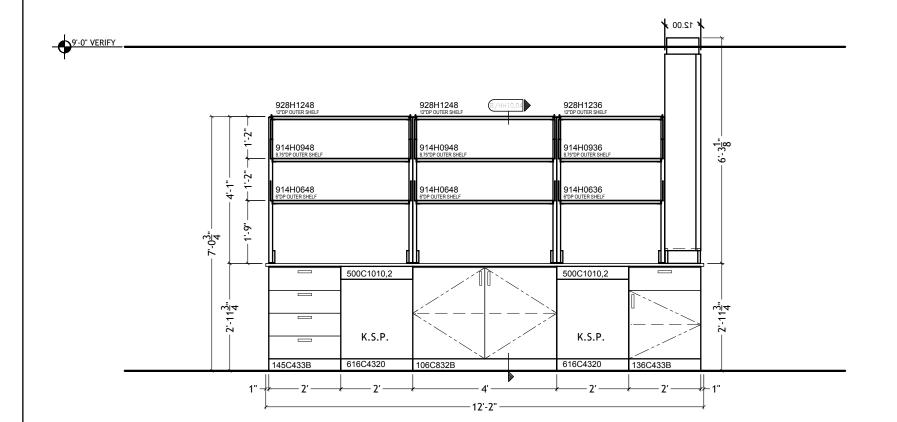
DRAWN BY:
C.MARTIN

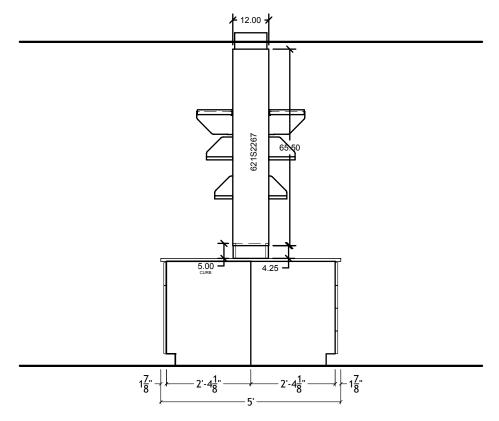
SCALE: 3/8" = 1'-0" v.N.O.

H90.02



CASEWORK LAYOUT





SCIENCE LABORATORY					
	ARCH. REFERENCE: N/A			SCALE: 3/8" = 1'-0"	03
	ITM# 03	QTY-1	SEC# D1	RM# 100	

HALDEMAN-HOMME, INC. CORPORATE OFFICE

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ROCKY MOUNTAIN LAB DIVISION

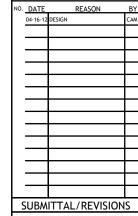
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DESIGN / DEVELOPMENT



NO.	DATE	REASON	BY

PROJECT STATUS:

- DESIGN / DEVELOPMENT
- O SUBMITTED FOR APPROVAL O RE-SUBMITTED FOR APPROVAL
- O SUBMITTED FOR DIMENSIONS
- O FABRICATION / INSTALL SET O CONSTRUCTION DRAWINGS

PROJECT:

IOWA BUYING AGREEMENT

SHEET TITLE:

ELEVATIONS

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C.MARTIN

SCALE: 3/8" = 1'-0" N.O.

H90.03