

PLASTIC LAMINATE & WOOD CASEWORK



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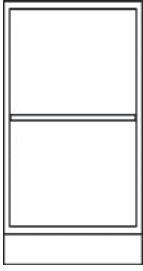
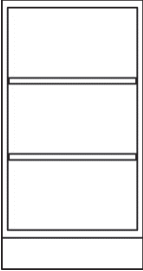
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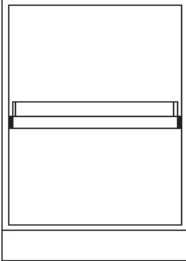
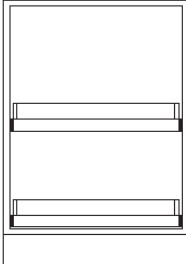
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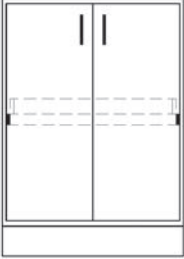
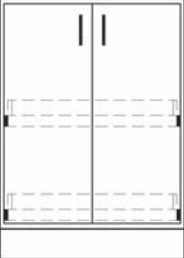


Open Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B0000 BASE CABINET MOD- IFIER		SPECIFY	SPECIFY	SPECIFY	
B1001 OPEN BASE		12 15 18 21 24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	13.25 15.25 23.25	
B1002 OPEN BASE		12 15 18 21 24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	13.25 15.25 23.25	ONE ADJUSTABLE SHELF
B1003 OPEN BASE		12 15 18 21 24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	13.25 15.25 23.25	TWO ADJUSTABLE SHELVES

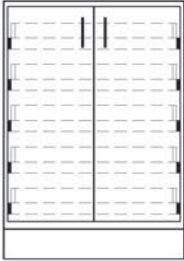

Open Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B1063 OPEN SUPPLY STORAGE BASE		24			SLIDING TRAY FULL EXTENSION SLIDES
		27			
		30	25.75	23.25	
		33	29		
		36	32		
		39	34.5		
		42			
		45			
		48			
B1064 OPEN SUPPLY STORAGE BASE		24			TWO SLIDING TRAYS FULL EXTENSION SLIDES
		27			
		30	25.75	23.25	
		33	29		
		36	32		
		39	34.5		
		42			
		45			
		48			

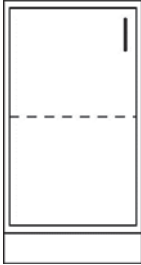
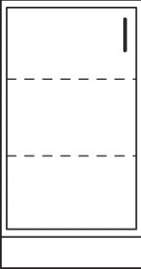
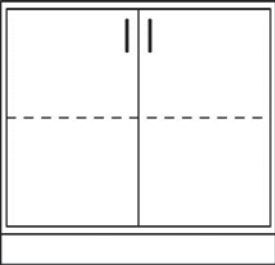
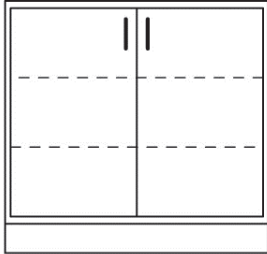
Open Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B2041 SLIDING TRAY BASE		24			TWO HINGED DOORS SLIDING TRAY FULL EXTENSION SLIDES
		27			
		30	25.75		
		33	29	23.25	
		36	32	28.25	
		39	34.5	34.25	
		42			
45					
48					
B2042 SLIDING TRAY BASE		24			TWO HINGED DOORS TWO SLIDING TRAYS FULL EXTENSION SLIDES
		27			
		30	25.75		
		33	29	23.25	
		36	32	28.25	
		39	34.5	34.25	
		42			
45					
48					
B2043 SLIDING TRAY BASE		24			TWO HINGED DOORS THREE SLIDING TRAYS FULL EXTENSION SLIDES
		27			
		30	25.75		
		33	29	23.25	
		36	32	28.25	
		39	34.5	34.25	
		42			
45					
48					
B2044 SLIDING TRAY BASE		24			TWO HINGED DOORS FOUR SLIDING TRAYS FULL EXTENSION SLIDES
		27			
		30			
		33	29	23.25	
		36	32	28.25	
		39	34.5	34.25	
		42			
45					
48					

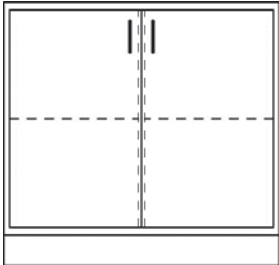
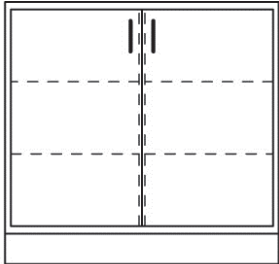
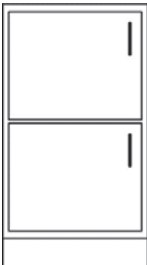
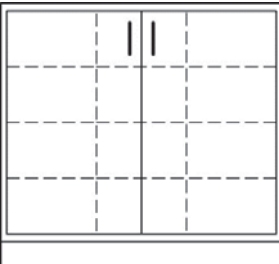
Open Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B2045 SLIDING TRAY BASE		24			TWO HINGED DOORS FIVE SLIDING TRAYS FULL EXTENSION SLIDES
		27			
		30			
		33	29	23.25	
		36	32	28.25	
		39	34.5	34.25	
		42			
45					
48					
B2046 SLIDING TRAY BASE		24			TWO HINGED DOORS SIX SLIDING TRAYS FULL EXTENSION SLIDES
		27			
		30			
		33	29	23.25	
		36	32	28.25	
		39	34.5	34.25	
		42			
45					
48					


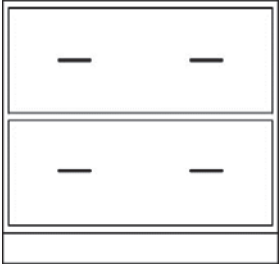

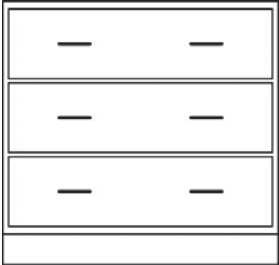
Door Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B2001 HINGED LEFT B2002 HINGED RIGHT DOOR BASE		12 15 18 21 24	25.75 29 32 34.5	23.25	HINGED DOOR ONE ADJUSTABLE SHELF
B2003 HINGED LEFT B2004 HINGED RIGHT DOOR BASE		12 15 18 21 24	25.75 29 32 34.5	23.25	HINGED DOOR TWO ADJUSTABLE SHELVES
B2005 DOOR BASE		24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	23.25	TWO HINGED DOORS ONE ADJUSTABLE SHELF
B2006 DOOR BASE		24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	23.25	TWO HINGED DOORS TWO ADJUSTABLE SHELVES


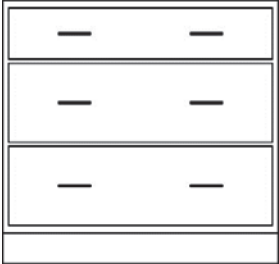

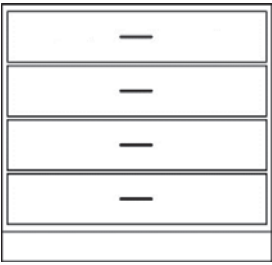
Door Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B2007 DOOR BASE		24	25.75 29 32 34.5	23.25	TWO HINGED DOORS TWO ADJUSTABLE SHELVES CENTER PARTITION
		27			
30					
33					
36					
39					
42					
45					
48					
B2008 DOOR BASE		24	25.75 29 32 34.5	23.25	TWO HINGED DOORS FOUR ADJUSTABLE SHELVES CENTER PARTITION
		27			
30					
33					
36					
39					
42					
45					
48					
B2009 HINGED LEFT B2010 HINGED RIGHT PROJECT STORAGE		12	29 32 34.5	23.25	TWO HINGED DOORS TWO EQUAL COMPARTMENTS
		15			
18					
21					
24					
B2011 FLEXIBLE STORAGE		24	29 32 34.5	23.25	TWO HINGED DOORS NINE ADJUSTABLE SHELVES TWO PARTITIONS
		27			
30					
33					
36					
39					
42					
45					
48					

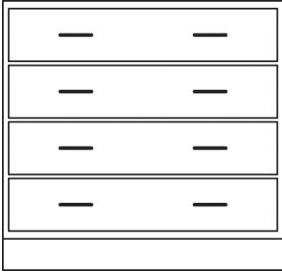
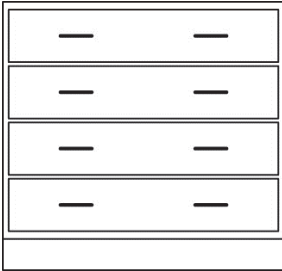

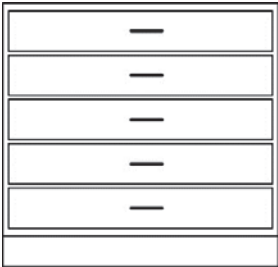
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION	
B3001 DRAWER BASE 		12				
		15				
		18				
		21				
		24	25.75			
		27	29	23.25	TWO EQUAL DRAWERS	
		30	32			
		33	34.5			
		36				
		39				
		42				
		45				
	48					
B3002 DRAWER BASE 		24				
		27				
		30	25.75			
		33	29	23.25	TWO EQUAL DRAWERS	
		36	32			
		39	34.5			
		42				
		45				
		48				
	B3003 DRAWER BASE 		12			
			15			
			18			
		21				
		24	25.75			
		27	29	23.25	THREE EQUAL DRAWERS	
		30	32			
		33	34.5			
		36				
		39				
		42				
		45				
	48					
B3004 DRAWER BASE 		24				
		27				
		30	25.75			
		33	29	23.25	THREE EQUAL DRAWERS	
		36	32			
		39	34.5			
		42				
		45				
		48				

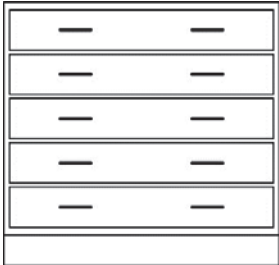
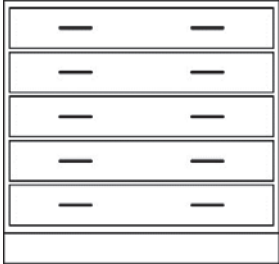
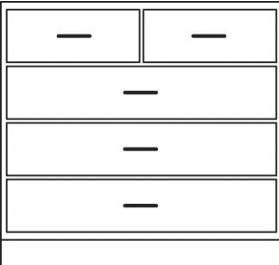
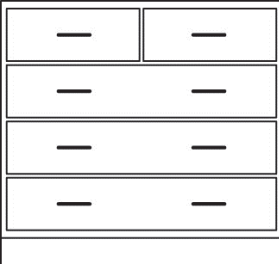
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION					
B3005 DRAWER BASE		12	25.75 29 32 34.5	23.25	THREE DRAWERS					
		15								
		18								
		21								
		24								
		27								
		30								
		33								
		36								
		39								
		42								
		45								
		48								
B3006 DRAWER BASE		24	25.75 29 32 34.5	23.25	THREE DRAWERS					
		27								
		30								
		33								
		36								
		39								
		42								
		45								
		48								
		B3007 DRAWER BASE					12	25.75 29 32 34.5	23.25	FOUR EQUAL DRAWERS
							15			
							18			
							21			
24										
27										
30										
33										
36										
39										
42										
45										
48										
B3046 PROJECT STORAGE DRAWER BASE		24	25.75 29 32 34.5	23.25 28.25 34.25	FOUR EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES					
		27								
		30								
		33								
		36								
		39								
		42								
		45								
		48								


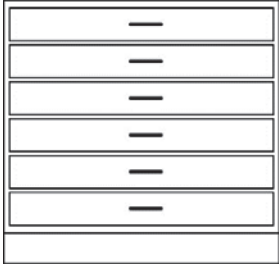
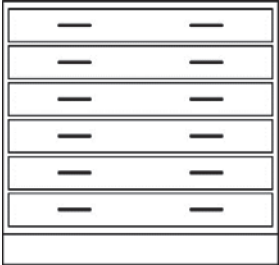
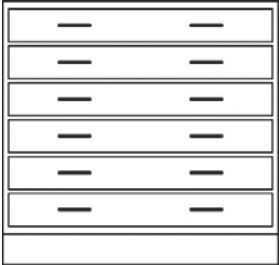
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3008 DRAWER BASE		24	25.75 29 32 34.5	23.25	FOUR EQUAL DRAWERS
		27			
30					
33					
36					
39					
42					
45					
48					
B3047 PROJECT STORAGE DRAWER BASE		24	25.75 29 32 34.5	23.25 28.25 34.25	FOUR EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES
		27			
30					
33					
36					
39					
42					
45					
48					
B3009 DRAWER BASE		12	29 32 34.5	23.25	FIVE EQUAL DRAWERS
		15			
18					
21					
24					
27					
30					
33					
36					
39					
42					
45					
48					
B3038 PROJECT STORAGE DRAWER BASE		24	29 32 34.5	23.25 28.25 34.25	FIVE EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES
		27			
30					
33					
36					
39					
42					
45					
48					

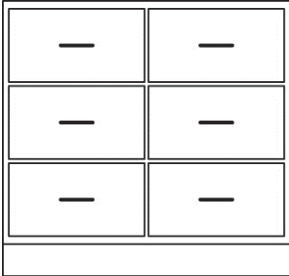
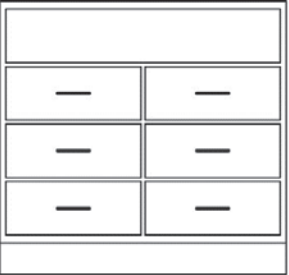
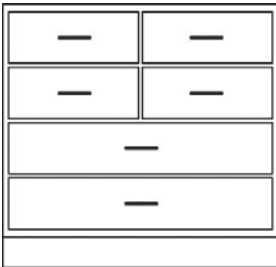

Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3010 DRAWER BASE		24			FIVE EQUAL DRAWERS
		27			
		30			
		33	29	23.25	
		36	32		
		39	34.5		
		42			
45					
48					
B3039 PROJECT STORAGE DRAWER BASE		24			FIVE EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES
		27			
		30			
		33	29	23.25	
		36	32	28.25	
		39	34.5	34.25	
		42			
45					
48					
B3011 DRAWER BASE		24			FIVE DRAWERS
		27			
		30			
		33	29	23.25	
		36	32		
		39	34.5		
		42			
45					
48					
B3012 DRAWER BASE		24			FIVE DRAWERS
		27			
		30			
		33	29	23.25	
		36	32		
		39	34.5		
		42			
45					
48					

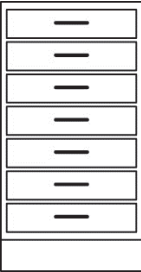
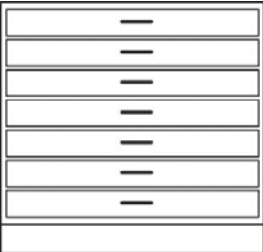
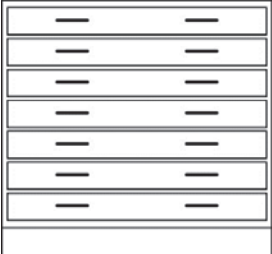
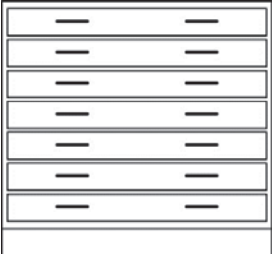
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION			
B3013 DRAWER BASE		12			SIX EQUAL DRAWERS			
		15						
		18						
		21						
		24						
		27	29	23.25				
		30	32					
		33	34.5					
		36						
		39						
		42						
		45						
		48						
B3040 PROJECT STORAGE DRAWER BASE		24			SIX EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES			
		27						
		30						
		33	29	23.25				
		36	32	28.25				
		39	34.5	34.25				
		42						
		45						
		48						
		B3014 DRAWER BASE		24				SIX EQUAL DRAWERS
				27				
				30				
				33		29	23.25	
36	32							
39	34.5							
42								
45								
48								
B3041 PROJECT STORAGE DRAWER BASE				24			SIX EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES	
				27				
				30				
				33	29	23.25		
		36	32	28.25				
		39	34.5	34.25				
		42						
		45						
		48						

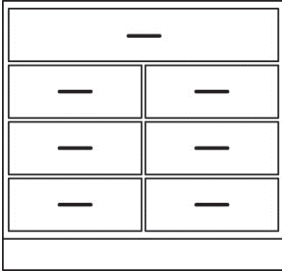
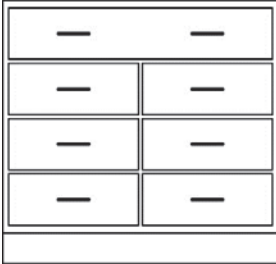


Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3015 DRAWER BASE		24 27 30 33 36 39 42 45 48	29 32 34.5	23.25	SIX EQUAL DRAWERS
B3016 DRAWER/ OPEN BASE		24 27 30 33 36 39 42 45 48	29 32 34.5	23.25	SIX EQUAL DRAWERS OPEN COMPARTMENT AT TOP
B3017 DRAWER BASE		24 27 30 33 36 39 42 45 48	29 32 34.5	23.25	SIX DRAWERS
B3018 DRAWER BASE		24 27 30 33 36 39 42 45 48	29 32 34.5	23.25	SIX DRAWERS



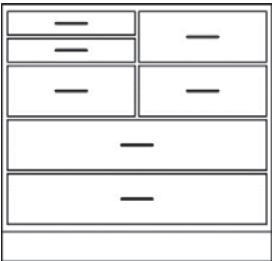
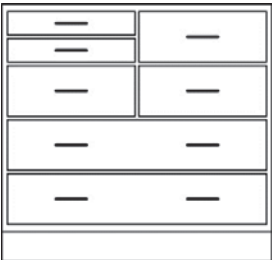
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3019 DRAWER BASE		12			SEVEN EQUAL DRAWERS
		15			
		18			
		21			
		24			
		27			
		30	32	23.25	
		33	34.5		
		36			
		39			
42					
45					
48					
B3042 PROJECT STORAGE DRAWER BASE		24			SEVEN EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES
		27			
		30			
		33			
		36	32	23.25	
		39	34.5	28.25	
		42		34.25	
		45			
		48			
		B3020 DRAWER BASE		24	
27					
30					
33					
36	32			23.25	
39	34.5				
42					
45					
48					
B3043 PROJECT STORAGE DRAWER BASE				24	
		27			
		30			
		33			
		36	32	23.25	
		39	34.5	28.25	
		42		34.25	
		45			
		48			

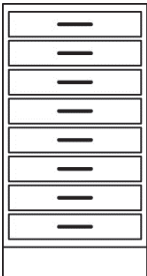
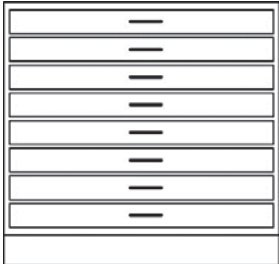
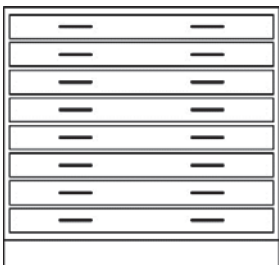
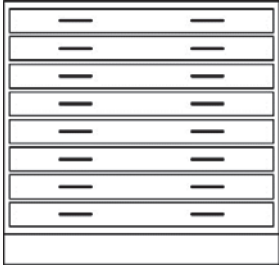
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3021 DRAWER BASE		24	29 32 34.5	23.25	SEVEN DRAWERS
		27			
		30			
		33			
		36			
		39			
		42			
45					
48					
B3022 DRAWER BASE		24	29 32 34.5	23.25	SEVEN DRAWERS
		27			
		30			
		33			
		36			
		39			
		42			
45					
48					
B3023 DRAWER BASE		24	32 34.5	23.25	SEVEN DRAWERS
		27			
		30			
		33			
		36			
		39			
		42			
45					
48					
B3024 DRAWER BASE		24	32 34.5	23.25	SEVEN DRAWERS
		27			
		30			
		33			
		36			
		39			
		42			
45					
48					


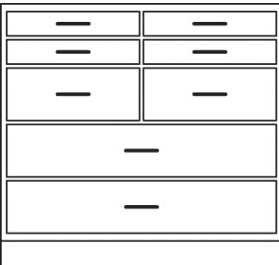
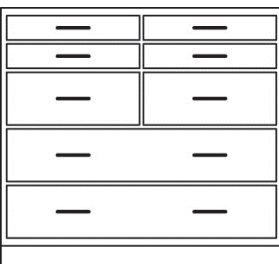
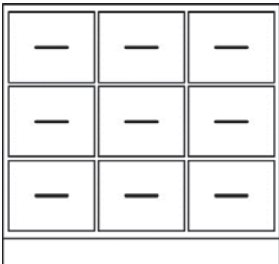
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3025 DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25	SEVEN DRAWERS
B3026 DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25	SEVEN DRAWERS
B3027 DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25	SEVEN DRAWERS
B3028 DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25	SEVEN DRAWERS

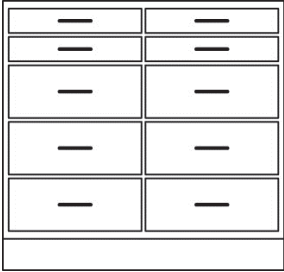
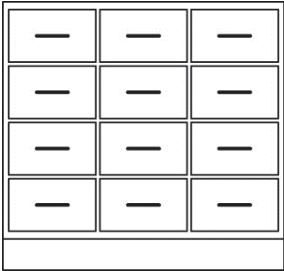
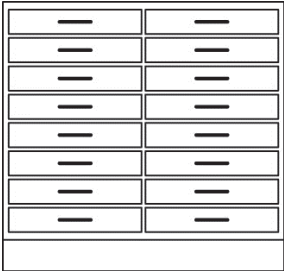
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3029 DRAWER BASE		12 15 18 21 24 27 30 33 36 39 42 45 48	32 34.5	23.25	EIGHT EQUAL DRAWERS
B3044 PROJECT STORAGE DRAWER BASE		12 15 18 21 24 27 30 33 36 39 42 45 48	32 34.5	23.25 28.25 34.25	EIGHT EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES
B3030 DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25	EIGHT EQUAL DRAWERS
B3045 PROJECT STORAGE DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25 28.25 34.25	EIGHT EQUAL FULL DEPTH DRAWERS DRAWERS W/HOODS FULL EXTENSION SLIDES

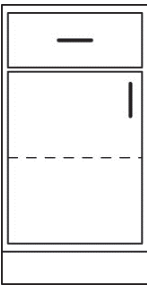
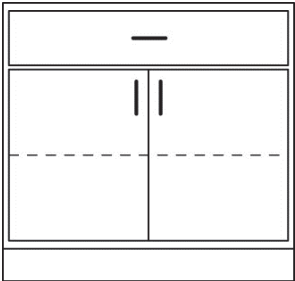
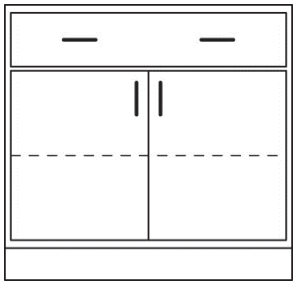
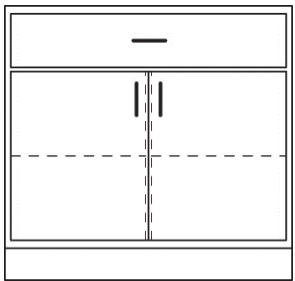
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3031 DRAWER BASE		24 27 30 33 36 39 42 45 48	29 32 34.5	23.25	EIGHT EQUAL DRAWERS
B3032 DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25	EIGHT DRAWERS
B3033 DRAWER BASE		24 27 30 33 36 39 42 45 48	32 34.5	23.25	EIGHT DRAWERS
B3034 DRAWER BASE		36 39 42 45 48	29 32 34.5	23.25	NINE EQUAL DRAWERS

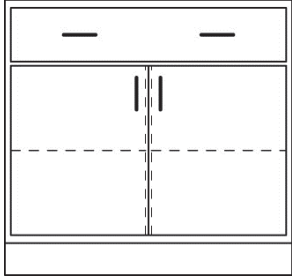
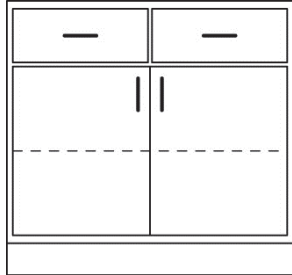
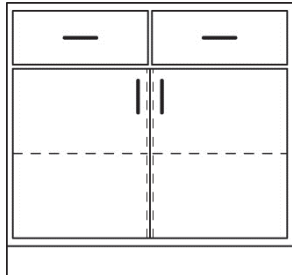
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B3035 DRAWER BASE		24	32 34.5	23.25	TEN DRAWERS
		27 30 33 36 39 42 45 48			
B3036 DRAWER BASE		36	29 32 34.5	23.25	TWELVE EQUAL DRAWERS
		39 42 45 48			
B3037 DRAWER BASE		24	32 34.5	23.25	SIXTEEN EQUAL DRAWERS
		27 30 33 36 39 42 45 48			



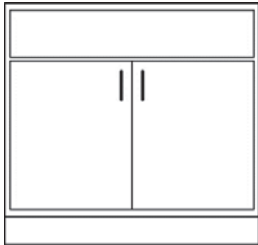
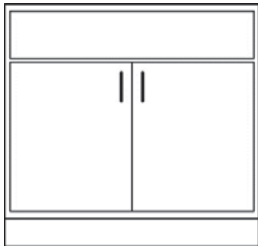
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B4001 HINGED LEFT B4002 HINGED RIGHT DOOR DRAWER BASE		12	25.75	23.25	HINGED DOOR DRAWER ONE ADJUSTABLE SHELF
		15	29		
18	32				
21	34.5				
24					
B4003 DOOR DRAWER BASE		24	25.75	23.25	TWO HINGED DOORS DRAWER ONE ADJUSTABLE SHELF
		27			
30					
33					
36					
39	32				
42	34.5				
45					
48					
B4004 DOOR DRAWER BASE		24	25.75	23.25	TWO HINGED DOORS DRAWER ONE ADJUSTABLE SHELF
		27			
30					
33					
36					
39	32				
42	34.5				
45					
48					
B4005 DOOR DRAWER BASE		24	25.75	23.25	TWO HINGED DOORS DRAWER TWO ADJUSTABLE SHELVES CENTER PARTITION
		27			
30					
33					
36					
39	32				
42	34.5				
45					
48					

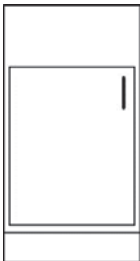

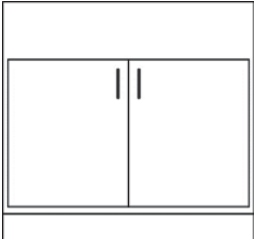
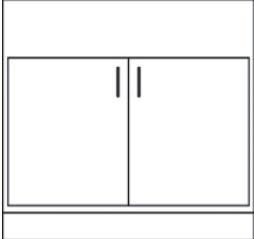
Drawer Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B4006 DOOR DRAWER BASE		24			TWO HINGED DOORS DRAWER TWO ADJUSTABLE SHELVES CENTER PARTITION
		27			
		30	25.75	23.25	
		33	29		
		36	32		
		39	34.5		
		42			
45					
48					
B4007 DOOR DRAWER BASE		24			TWO HINGED DOORS TWO DRAWERS ONE ADJUSTABLE SHELF
		27			
		30	25.75	23.25	
		33	29		
		36	32		
		39	34.5		
		42			
45					
48					
B4008 DOOR DRAWER BASE		24			TWO HINGED DOORS TWO DRAWERS TWO ADJUSTABLE SHELVES CENTER PARTITION
		27			
		30	25.75	23.25	
		33	29		
		36	32		
		39	34.5		
		42			
45					
48					



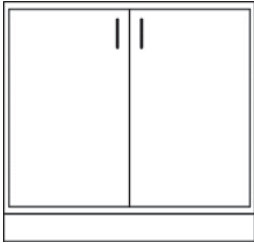
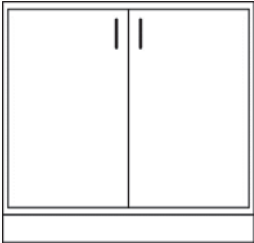
Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B5001 HINGED LEFT B5002 HINGED RIGHT SINK BASE		12	25.75	23.25	HINGED DOOR REMOVABLE BACK PANEL BLANK DRAWER HEAD SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
		15	29		
18	32				
21	34.5				
24					
B5017 HINGED LEFT B5018 HINGED RIGHT SINK BASE		12	25.75	23.25	HINGED DOOR REMOVABLE BACK PANEL REMOVABLE BOTTOM BLANK DRAWER HEAD SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
		15	29		
18	32				
21	34.5				
24					
B5003 SINK BASE		24	25.75	23.25	TWO HINGED DOORS REMOVABLE BACK PANEL BLANK DRAWER HEAD SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES
		27	29		
30	32				
33	34.5				
36					
39					
42					
45					
48					
B5019 SINK BASE		24	25.75	23.25	TWO HINGED DOORS REMOVABLE BACK PANEL REMOVABLE BOTTOM BLANK DRAWER HEAD SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES
		27	29		
30	32				
33	34.5				
36					
39					
42					
45					
48					



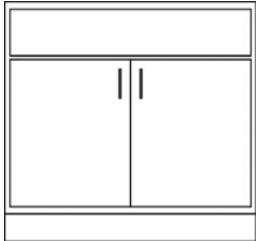
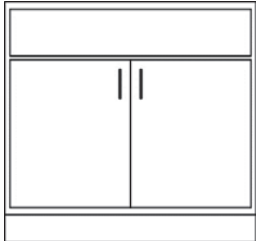
Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B5004 HINGED RIGHT B5005 HINGED LEFT SINK BASE		12	25.75	23.25	HINGED DOOR REMOVABLE BACK PANEL HEAD RAIL ABOVE DOOR SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
		15	29		
18	32				
21	34.5				
24					
B5020 HINGED RIGHT B5021 HINGED LEFT SINK BASE		12	25.75	23.25	HINGED DOOR REMOVABLE BACK PANEL REMOVABLE BOTTOM HEAD RAIL ABOVE DOOR SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
		15	29		
18	32				
21	34.5				
24					
B5006 SINK BASE		24	25.75	23.25	TWO HINGED DOORS REMOVABLE BACK PANEL HEAD RAIL ABOVE DOORS SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES
		27	29		
30	32				
33	34.5				
36					
39					
42					
45					
48					
B5022 SINK BASE		24	25.75		
		27	29		
30	32				
33	34.5				
36					
39					
42					
45					
48					

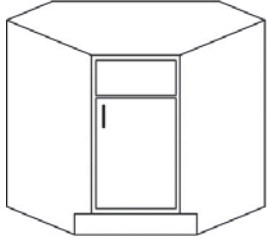
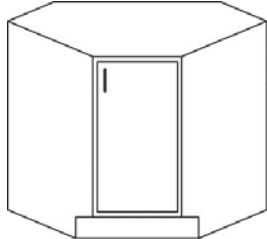
Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B5007 HINGED LEFT B5008 HINGED RIGHT SINK BASE		12 15 18 21 24	25.75 29 32 34.5	23.25	HINGED DOOR REMOVABLE BACK PANEL SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
B5023 HINGED LEFT B5024 HINGED RIGHT SINK BASE		12 15 18 21 24	25.75 29 32 34.5	23.25	HINGED DOOR REMOVABLE BACK PANEL REMOVABLE BOTTOM SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
B5009 SINK BASE		24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	23.25	TWO HINGED DOORS REMOVABLE BACK PANEL SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES
B5025 SINK BASE		24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	23.25	TWO HINGED DOORS REMOVABLE BACK PANEL REMOVABLE BOTTOM SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES

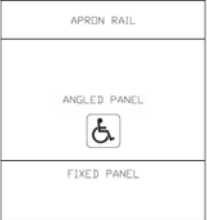
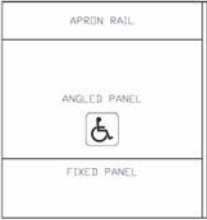

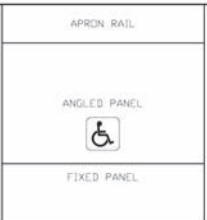

Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B5010 HINGED RIGHT B5011 HINGED LEFT SINK BASE		12 15 18 21 24	25.75 29 32 34.5	23.25	HINGED DOOR REMOVABLE BACK PANEL RECESSED PANEL ABOVE DOOR SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
B5026 HINGED RIGHT B5027 HINGED LEFT SINK BASE		12 15 18 21 24	25.75 29 32 34.5	23.25	HINGED DOOR REMOVABLE BACK PANEL REMOVABLE BOTTOM RECESSED PANEL ABOVE DOOR SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES (VERIFY HINGING AT REAR)
B5012 SINK BASE		24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	23.25	TWO HINGED DOORS REMOVABLE BACK PANEL RECESSED PANEL ABOVE DOOR SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES
B5028 SINK BASE		24 27 30 33 36 39 42 45 48	25.75 29 32 34.5	23.25	TWO HINGED DOORS REMOVABLE BACK PANEL REMOVABLE BOTTOM RECESSED PANEL ABOVE DOOR SUFFIX -DD FOR DBL DEPTH CABINET W/DOORS BOTH SIDES



Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B5013 HINGED LEFT B5014 HINGED RIGHT CORNER SINK BASE		36 39 42	25.75 29 32 34.5	23.25	HINGED DOOR REMOVABLE BACK PANEL ONE BLANK DRAWER HEAD WIDTH = WALL SPACE REQUIRED
B5015 HINGED LEFT B5016 HINGED RIGHT CORNER SINK BASE		36 39 42	25.75 29 32 34.5	23.25	HINGED DOOR REMOVABLE BACK PANEL WIDTH = WALL SPACE REQUIRED


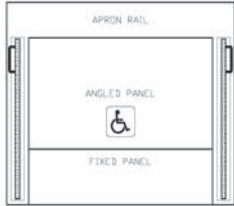

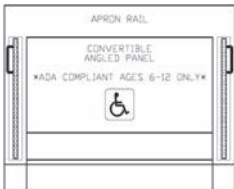

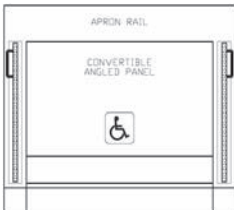
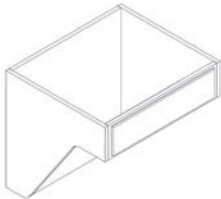
Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
D5001 ADA SINK PANEL ASSEMBLY		30	*29 32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL 27" KNEE CLEARANCE (*SUITABLE FOR STUDENTS 6-12 ONLY)
		33			
36					
39					
42					
45					
48					
					
D5002 ADA SINK PANEL ASSEMBLY		30.75	*29 32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL RIGHT END PANEL 27" KNEE CLEARANCE (*SUITABLE FOR STUDENTS 6-12 ONLY)
		33			
36					
39					
42					
45					
48					
					
D5003 ADA SINK PANEL ASSEMBLY		30.75	*29 32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL LEFT END PANEL 27" KNEE CLEARANCE (*SUITABLE FOR STUDENTS 6-12 ONLY)
		33			
36					
39					
42					
45					
48					
					
D5004 ADA SINK PANEL ASSEMBLY		31.5	*29 32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL LEFT & RIGHT END PANEL 27" KNEE CLEARANCE (*SUITABLE FOR STUDENTS 6-12 ONLY)
		33			
36					
39					
42					
45					
48					
					

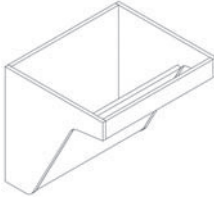
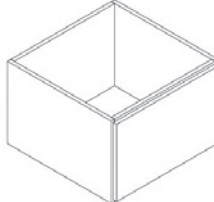
Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
D5006 ADA SINK PANEL ASSEMBLY 		30 33 36 39 42 45 48	32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL 29" KNEE CLEARANCE
D5007 ADA SINK PANEL ASSEMBLY 		30.75 33 36 39 42 45 48	32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL LEFT END PANEL 29" KNEE CLEARANCE
D5008 ADA SINK PANEL ASSEMBLY 		30.75 33 36 39 42 45 48	32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL RIGHT END PANEL 29" KNEE CLEARANCE
D5009 ADA SINK PANEL ASSEMBLY 		31.5 33 36 39 42 45 48	32	23.25	APRON RAIL ANGLED REMOVABLE PANEL FIXED PANEL LEFT AND RIGHT END PANEL 29" KNEE CLEARANCE

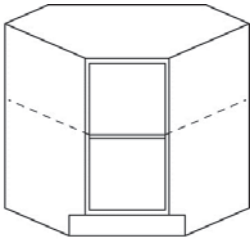
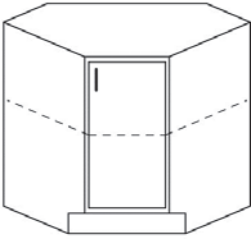
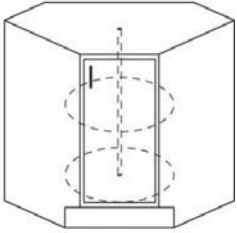
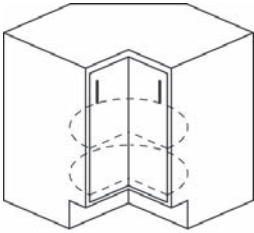
Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
D5100 ADA POCKET DOOR SINK BASE 		39 42 45 48	*29 32	23.25	TWO POCKET DOORS ANGLED REMOVABLE PANEL 27" KNEE CLEARANCE (*SUITABLE FOR STUDENTS 6-12 ONLY)
D5130 ADA POCKET DOOR SINK BASE 		39 42 45 48	*29	23.25	TWO POCKET DOORS FULL TOE KICK CONVERTIBLE BOTTOM FLIPS UP AS ANGLED PANEL 24" KNEE CLEARANCE (*SUITABLE FOR STUDENTS 6-12 ONLY)
D5140 ADA POCKET DOOR SINK BASE 		39 42 45 48	32	23.25	TWO POCKET DOORS FULL TOE KICK CONVERTIBLE BOTTOM FLIPS UP AS ANGLED PANEL 27" KNEE CLEARANCE
B5210 STANDARD SINK SKIRT ASSEMBLY		24 27 30 33 36 39 42 45 48	23.75	23.25 28.25	ANGLED REMOVABLE PANEL LEFT & RIGHT END PANEL

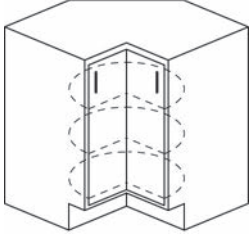
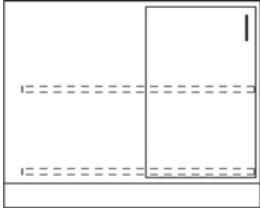
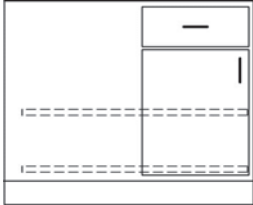
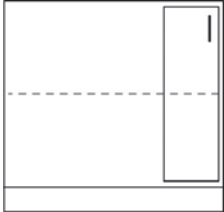
Sink Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
D5210 ADA SINK SKIRT ASSEMBLY		24 27 30 33 36 39 42 45 48	23.75	23.25 28.25	5" APRON RAIL ANGLED REMOVABLE PANEL LEFT & RIGHT END PANELS MOUNT 9" ABOVE FINISH FLOOR
B5250 BOX SINK SKIRT ASSEMBLY		24 27 30 33 36 39 42 45 48	23.75	23.25 28.25	REMOVABLE FRONT PANEL

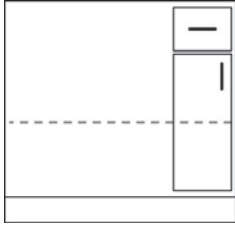
Corner Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B6001 CORNER OPEN BASE		36 39 42	25.75 29 32 34.5	23.25	ONE ADJUSTABLE SHELF WIDTH = WALL SPACE REQUIRED
B6002 HINGED RIGHT B6003 HINGED LEFT CORNER BASE		36 39 42	25.75 29 32 34.5	23.25	HINGED DOOR ONE ADJUSTABLE SHELF WIDTH = WALL SPACE REQUIRED
B6004 HINGED RIGHT B6005 HINGED LEFT CORNER CAROUSEL BASE		36 39 42	29 32 34.5	23.25	HINGED DOOR TWO REVOLVING SHELVES WIDTH = WALL SPACE REQUIRED
B6006 CORNER CAROUSEL BASE		36 39 42	29 32 34.5	23.25	TWO REVOLVING DOORS TWO REVOLVING SHELVES WIDTH = WALL SPACE REQUIRED


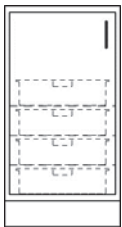
Corner Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B6007 CORNER CAROUSEL BASE		36 39 42	32 34.5	23.25	TWO REVOLVING DOORS TWO REVOLVING SHELVES WIDTH = WALL SPACE REQUIRED
B6008 PANEL RIGHT B6009 PANEL LEFT DEAD CORNER TURNOUT BASE		*42 45 48	32 34.5	23.25	DOOR HINGED TO PANEL TWO TURNOUT SHELVES WIDTH = WALL SPACE REQUIRED (*42" REQUIRES 45" WALL SPACE)
B6010 PANEL RIGHT B6011 PANEL LEFT DEAD CORNER TURNOUT BASE		*42 45 48	32 34.5	23.25	DOOR HINGED TO PANEL ONE DRAWER TWO TURNOUT SHELVES WIDTH = WALL SPACE REQUIRED (*42" REQUIRES 45" WALL SPACE)
B6012 PANEL RIGHT B6013 PANEL LEFT DEAD CORNER BASE		36 39 42 45 48	25.75 29 32 34.5	23.25	DOOR HINGED TO PANEL ONE ADJUSTABLE SHELF SPECIFY DOOR OPENING SIZE: 10.5", 13.5", 16.5", 19.5", OR 22.5"


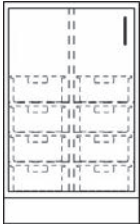
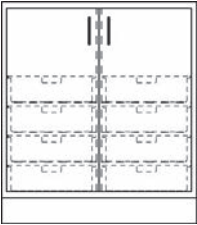
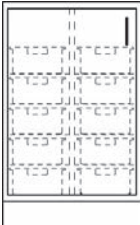
Corner Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B6014 HINGED RIGHT B6015 HINGED LEFT DEAD CORNER BASE		36			DOOR HINGED TO PANEL ONE DRAWER ABOVE ONE ADJUSTABLE SHELF SPECIFY DOOR OPENING SIZE: 10.5", 13.5", 16.5", 19.5", OR 22.5"
		39	29		
		42	32	23.25	
		45	34.5		
		48			

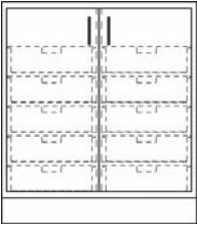
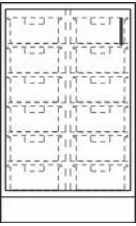
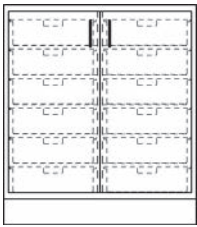
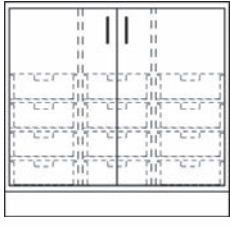
Tote Tray Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B7001 HINGED LEFT B7002 HINGED RIGHT TOTE TRAY BASE		12 15 18	25.75 29 32 34.5	23.25	HINGED DOOR ONE DRAWER NOMINAL TOTE SIZES 12"- (3) 7.5" WIDE TOTE TRAYS 15"- (3) 9.5" WIDE TOTE TRAYS 18"- (3) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7003 HINGED LEFT B7004 HINGED RIGHT TOTE TRAY BASE		12 15 18	32 34.5	23.25	HINGED DOOR ONE DRAWER NOMINAL TOTE SIZES 12"- (4) 7.5" WIDE TOTE TRAYS 15"- (4) 9.5" WIDE TOTE TRAYS 18"- (4) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7005 HINGED LEFT B7006 HINGED RIGHT TOTE TRAY BASE		12 15 18	25.75 29 32 34.5	23.25	HINGED DOOR NOMINAL TOTE SIZES 12"- (4) 7.5" WIDE TOTE TRAYS 15"- (4) 9.5" WIDE TOTE TRAYS 18"- (4) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7007 HINGED LEFT B7008 HINGED RIGHT TOTE TRAY BASE		12 15 18	29 32 34.5	23.25	HINGED DOOR NOMINAL TOTE SIZES 12"- (5) 7.5" WIDE TOTE TRAYS 15"- (5) 9.5" WIDE TOTE TRAYS 18"- (5) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY

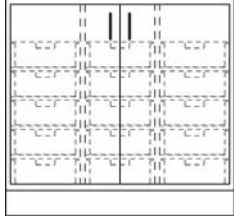
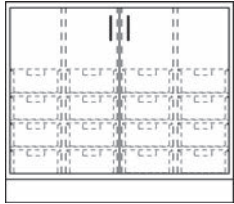
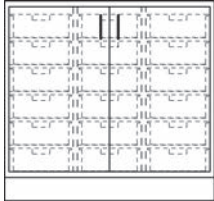
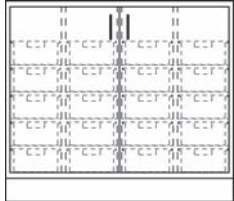
Tote Tray Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B7009 HINGED RIGHT B7010 HINGED LEFT TOTE TRAY BASE		12 15 18	32 34.5	23.25	HINGED DOOR NOMINAL TOTE SIZES 12"- (6) 7.5" WIDE TOTE TRAYS 15"- (6) 9.5" WIDE TOTE TRAYS 18"- (6) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7011 HINGED RIGHT B7012 HINGED LEFT TOTE TRAY BASE		21 24	25.75 29 32 34.5	23.25	HINGED DOOR NOMINAL TOTE SIZES 21"- (8) 7.5" WIDE TOTE TRAYS 24"- (8) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7013 TOTE TRAY BASE		24 27 30 33	25.75 29 32 34.5	23.25	TWO HINGED DOORS NOMINAL TOTE SIZES 24"- (8) 9.5" WIDE TOTE TRAYS 27"- (8) 9.5" WIDE TOTE TRAYS 30"- (8) 12.5" WIDE TOTE TRAYS 33"- (8) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7014 HINGED RIGHT B7015 HINGED LEFT TOTE TRAY BASE		21 24	29 32 34.5	23.25	HINGED DOOR NOMINAL TOTE SIZES 21"- (10) 7.5" WIDE TOTE TRAYS 24"- (10) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY

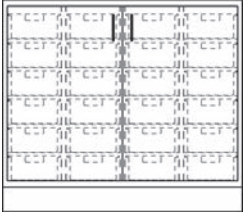
Tote Tray Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B7016 TOTE TRAY BASE		24 27 30 33	29 32 34.5	23.25	TWO HINGED DOORS NOMINAL TOTE SIZES 24"- (10) 9.5" WIDE TOTE TRAYS 27"- (10) 9.5" WIDE TOTE TRAYS 30"- (10) 12.5" WIDE TOTE TRAYS 33"- (10) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7017 HINGED LEFT B7018 HINGED RIGHT TOTE TRAY BASE		21 24	32 34.5	23.25	HINGED DOOR NOMINAL TOTE SIZES 21"- (12) 7.5" WIDE TOTE TRAYS 24"- (12) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7019 TOTE TRAY BASE		24 27 30 33	32 34.5	23.25	TWO HINGED DOORS NOMINAL TOTE SIZES 24"- (12) 9.5" WIDE TOTE TRAYS 27"- (12) 9.5" WIDE TOTE TRAYS 30"- (12) 12.5" WIDE TOTE TRAYS 33"- (12) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
B7020 TOTE TRAY BASE		36 39 42 45 48	25.75 29 32 34.5	23.25	TWO HINGED DOORS NOMINAL TOTE SIZES 36"- (12) 9.5" WIDE TOTE TRAYS 39"- (12) 9.5" WIDE TOTE TRAYS 42"- (12) 9.5" WIDE TOTE TRAYS 45"- (12) 12.5" WIDE TOTE TRAYS 48"- (12) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY

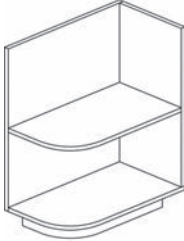
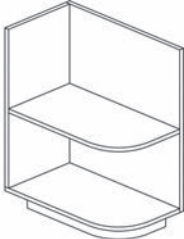
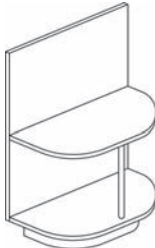
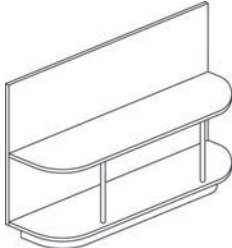
Tote Tray Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B7021 TOTE TRAY BASE		36			TWO HINGED DOORS NOMINAL TOTE SIZES 36"- (15) 9.5" WIDE TOTE TRAYS 39"- (15) 9.5" WIDE TOTE TRAYS 42"- (15) 9.5" WIDE TOTE TRAYS 45"- (15) 12.5" WIDE TOTE TRAYS 48"- (15) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
		39	29	23.25	
		42	32		
		45	34.5		
		48			
B7022 TOTE TRAY BASE		39	25.75	23.25	TWO HINGED DOORS NOMINAL TOTE SIZES 39"- (16) 7.5" WIDE TOTE TRAYS 42"- (16) 7.5" WIDE TOTE TRAYS 45"- (16) 7.5" WIDE TOTE TRAYS 48"- (16) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
		42	29		
		45	32		
		48	34.5		
B7023 TOTE TRAY BASE		36		23.25	TWO HINGED DOORS NOMINAL TOTE SIZES 36"- (18) 9.5" WIDE TOTE TRAYS 39"- (18) 9.5" WIDE TOTE TRAYS 42"- (18) 9.5" WIDE TOTE TRAYS 45"- (18) 12.5" WIDE TOTE TRAYS 48"- (18) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
		39	32		
		42	34.5		
		45			
		48			
B7024 TOTE TRAY BASE		39	29	23.25	TWO HINGED DOORS NOMINAL TOTE SIZES 39"- (20) 7.5" WIDE TOTE TRAYS 42"- (20) 7.5" WIDE TOTE TRAYS 45"- (20) 7.5" WIDE TOTE TRAYS 48"- (20) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
		42	32		
		45	34.5		
		48			





Tote Tray Base Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B7025 TOTE TRAY BASE		39			
		42	32		
		45	34.5	23.25	
		48			



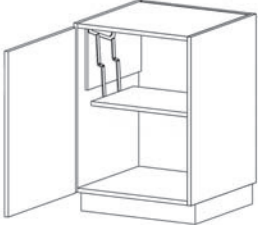
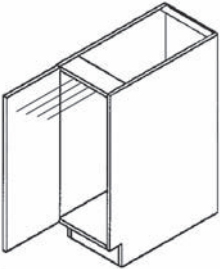
Specialty Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B1014 RIGHT END UNIT BASE		13.25	29 32 34.5	23.25	DECORATIVE END-CAP UNIT 8" RADIUSED BOTTOM AND SHELF
B1015 LEFT END UNIT BASE		13.25	29 32 34.5	23.25	DECORATIVE END-CAP UNIT 8" RADIUSED BOTTOM AND SHELF
B1016 ISLAND END UNIT BASE		13.25	29 32 34.5	13.25	DECORATIVE END-CAP UNIT 8" RADIUSED BOTTOM AND SHELF
B1017 ISLAND END UNIT BASE		46.5	29 32 34.5	13.25	DECORATIVE END-CAP UNIT 8" RADIUSED BOTTOM AND SHELF

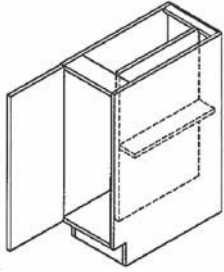
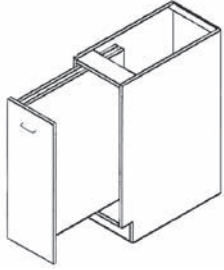
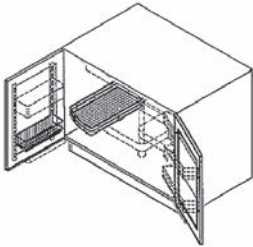
Specialty Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B2030 TILT-OUT WASTE BASE		15 18 21 24	29 32 34.5	23.25	BOTTOM HINGED DOOR DOOR MOUNTED WASTE HOLDS ONE #2957 WASTE BIN
B2031 SLIDE-OUT WASTE BASE		15 18 21 24	29 32 34.5	23.25	SLIDE OUT DOOR DOOR MOUNTED WASTE HOLDS ONE #2957 WASTE BIN
B2035 HINGED LEFT B2036 HINGED RIGHT FLIPPER DOOR WASTE BASE		15 18 21 24	34.5	23.25	HINGED DOOR WITH GROMMET FLIPPER DOOR BEHIND HOLDS ONE #2957 WASTE BIN
B2037 HINGED LEFT B2038 HINGED RIGHT GROMMET WASTE BASE		15 18 21 24	34.5	23.25	HINGED DOOR WITH GROMMET HOLDS ONE #2957 WASTE BIN





Specialty Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
B2039 HINGED LEFT B2040 HINGED RIGHT OPEN WASTE BASE		15 18 21 24	34.5	23.25	HINGED DOOR OPEN AREA ABOVE HOLDS ONE #2957 WASTE BIN
B2063 HINGED LEFT B2064 HINGED RIGHT SEWING MACHINE BASE		24	32 34.5	23.25	HINGED DOOR PULLOUT SEWING ASSEMBLY VERIFY SEWING MACHINE REQ'D SEWING MACHINE NOT INCLUDED
B2059 HINGED LEFT B2060 HINGED RIGHT STAND MIXER BASE		18 21	*32 34.5	23.25	HINGED DOOR SLIDING TRAY AT BOTTOM SWING-UP SEWING ASSEMBLY VERIFY STAND MIXER REQ'D STAND MIXER NOT INCLUDED *32" WILL NOT INCLUDE SLIDING TRAY
B2081 HINGED LEFT B2082 HINGED RIGHT TOWEL STORAGE BASE		9	32 34.5	23.25	HINGED DOOR ONE PULLOUT TOWEL DRYING RACK STORAGE FOR DETERGENTS, ETC




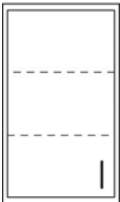
Specialty Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>B2083 HINGED LEFT</p> <p>B2084 HINGED RIGHT</p> <p>TRAY STORAGE BASE</p>		<p>9 12 15</p>	<p>32 34.5</p>	<p>23.25</p>	<p>HINGED DOOR ONE TRAY PARTITION CENTERED ONE FIXED SHELF ON RIGHT</p>
<p>B2085</p> <p>SLIDING UTENSIL STORAGE BASE</p>		<p>9 12</p>	<p>32 34.5</p>	<p>23.25</p>	<p>HINGED DOOR ON PULLOUT UTENSIL ASSEMBLY SPECIFY ASSEMBLY ON RIGHT OR LEFT</p>
<p>B2086</p> <p>PANTRY STORAGE BASE</p>		<p>36</p>	<p>32 34.5</p>	<p>23.25</p>	<p>HINGED DOORS ADJUSTABLE WIRE DOOR RACKS SHALLOW DEPTH SHELVING AT REAR SWING-OUT WIRE BASKETS</p>

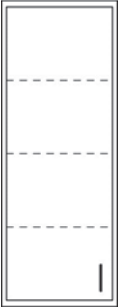

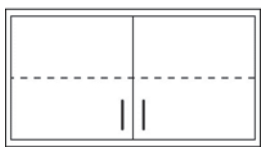
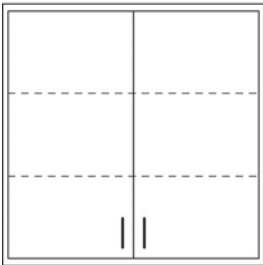
Open Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W0000 WALL CABINET MOD- IFIER		SPECIFY	SPECIFY	SPECIFY	
W1001 OPEN WALL		12 15 18 21 24 27 30 33 36 39 42 45 48	12 15 16 19 24 25 31 32 36 42 48	13.25 15.25	
W1002 OPEN WALL		12 15 18 21 24 27 30 33 36 39 42 45 48	15 16 19 24 25 31 32 36 42 48	13.25 15.25	ONE ADJUSTABLE SHELF
W1003 OPEN WALL		12 15 18 21 24 27 30 33 36 39 42 45 48	19 24 25 31 32 36 42 48	13.25 15.25	TWO ADJUSTABLE SHELVES

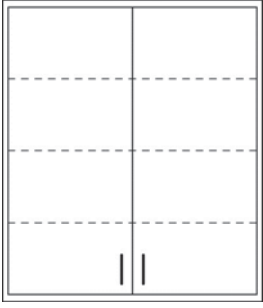
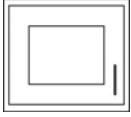
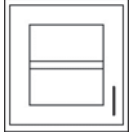
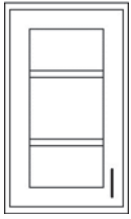
Open Wall/Door Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W1004 OPEN WALL		12			THREE ADJUSTABLE SHELVES
		15			
		18			
		21			
		24	31	13.25	
		27	32	15.25	
		30	36		
		33	42		
		36	48		
		39			
		42			
		45			
		48			
W2001 HINGED LEFT W2002 HINGED RIGHT DOOR WALL		12	12		HINGED DOOR
		15	15		
		18	16		
		21	19		
		24	24	13.25	
			25	15.25	
			31		
			32		
			36		
			42		
	48				
W2003 HINGED LEFT W2004 HINGED RIGHT DOOR WALL		12	15		HINGED DOOR ONE ADJUSTABLE SHELF
		15	16		
		18	19		
		21	24	13.25	
		24	25	15.25	
			31		
			32		
			36		
			42		
			48		
W2005 HINGED LEFT W2006 HINGED RIGHT DOOR WALL		12	24		HINGED DOOR TWO ADJUSTABLE SHELF
		15	25		
		18	31	13.25	
		21	32	15.25	
		24	36		
			42		
			48		

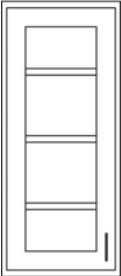
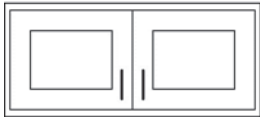
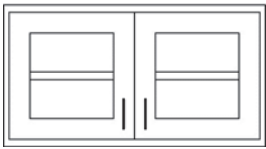
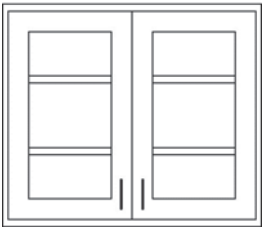
Door Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W2007 HINGED LEFT W2008 HINGED RIGHT DOOR WALL		12	31	13.25 15.25	HINGED DOOR THREE ADJUSTABLE SHELVES
		15	32		
18	36				
21	42				
24	48				
W2009 DOOR WALL		24	12	13.25 15.25	TWO HINGED DOORS
		27	15		
30	16				
33	19				
36	24				
39	25				
42	31				
45	32				
48	36				
48	42				
48	48				
W2010 DOOR WALL		24	15	13.25 15.25	TWO HINGED DOORS ONE ADJUSTABLE SHELF
		27	16		
30	19				
33	24				
36	25				
39	31				
42	32				
45	36				
48	42				
48	48				
W2011 DOOR WALL		24	24	13.25 15.25	TWO HINGED DOORS TWO ADJUSTABLE SHELVES
		27	25		
30	31				
33	32				
36	36				
39	42				
42	42				
45	48				
48					

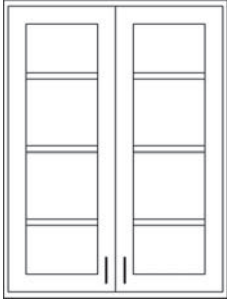
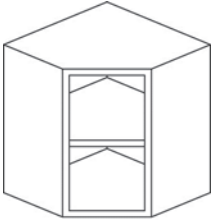
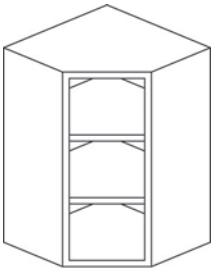
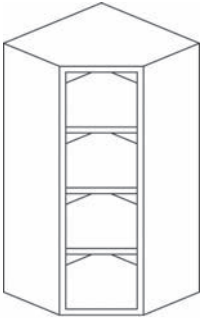
Door Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W2012 DOOR WALL		24			TWO HINGED DOORS THREE ADJUSTABLE SHELVES
		27			
		30	31	13.25	
		33	32	15.25	
		36	36		
		39	42		
		42	48		
		45			
48					
W2101 HINGED LEFT W2102 HINGED RIGHT FRAMED GLASS DOOR WALL		12	15		HINGED DOOR FRAMED GLASS DOOR
		15	16		
		18	19	13.25	
		21	24	15.25	
		24	25		
			31		
			32		
			36		
	42				
	48				
W2103 HINGED LEFT W2104 HINGED RIGHT FRAMED GLASS DOOR WALL		12	15		HINGED DOOR FRAMED GLASS DOOR ONE ADJUSTABLE SHELF
		15	16		
		18	19	13.25	
		21	24	15.25	
		24	25		
			31		
			32		
			36		
	42				
	48				
W2105 HINGED LEFT W2106 HINGED RIGHT FRAMED GLASS DOOR WALL		12	24		HINGED DOOR FRAMED GLASS DOOR ONE ADJUSTABLE SHELF
		15	25		
		18	31	13.25	
		21	32	15.25	
		24	36		
			42		
			48		

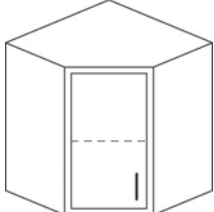
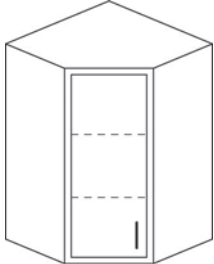
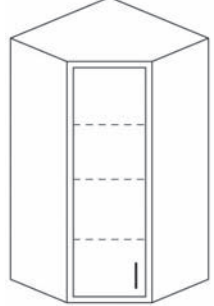
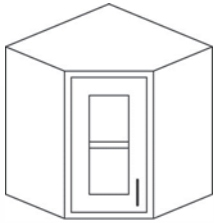
Door Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W2107 HINGED LEFT W2108 HINGED RIGHT FRAMED GLASS DOOR WALL		12	31	13.25 15.25	HINGED DOOR FRAMED GLASS DOOR THREE ADJUSTABLE SHELVES
		15	32		
		18	36		
		21	42		
		24	48		
W2109 FRAMED GLASS DOOR WALL		24	15	13.25 15.25	HINGED DOORS FRAMED GLASS DOORS
		27	16		
		30	19		
		33	24		
		36	31		
		39	32		
		42	36		
		45	42		
48	48				
W2110 FRAMED GLASS DOOR WALL		24	15	13.25 15.25	HINGED DOORS FRAMED GLASS DOORS ONE ADJUSTABLE SHELF
		27	16		
		30	19		
		33	24		
		36	31		
		39	32		
		42	36		
		45	42		
48	48				
W2111 FRAMED GLASS DOOR WALL		24	15	13.25 15.25	HINGED DOORS FRAMED GLASS DOORS TWO ADJUSTABLE SHELVES
		27	16		
		30	19		
		33	24		
		36	31		
		39	32		
		42	36		
		45	42		
48	48				

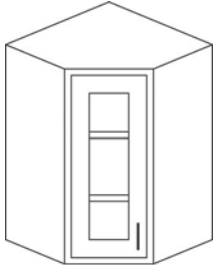
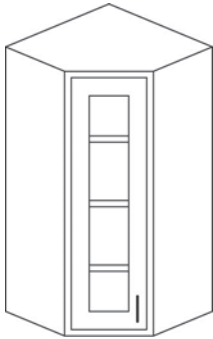
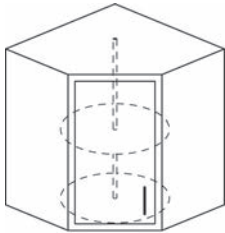
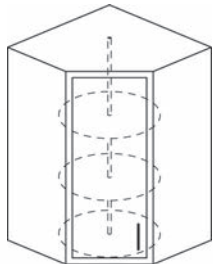
Door/Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION	
W2112 DOOR WALL			24	31	13.25	HINGED DOORS FRAMED GLASS DOORS THREE ADJUSTABLE SHELVES
			27			
			30		15.25	
			33			
			36			
			39			
			42			
			45			
			48			
W6001 CORNER OPEN WALL		23.25 25.25	19	13.25	13.25	ONE ADJUSTABLE SHELF (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
			24			
			31			
			32			
			36			
			42			
			48			
W6002 CORNER OPEN WALL		23.25 25.25	31	13.25	13.25	TWO ADJUSTABLE SHELVES (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
			32			
			36		15.25	
			42			
			48			
W6003 CORNER OPEN WALL		23.25 25.25	36	13.25	13.25	THREE ADJUSTABLE SHELVES (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
			42			
			48		15.25	

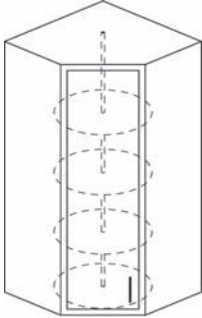
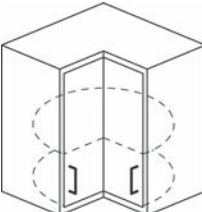
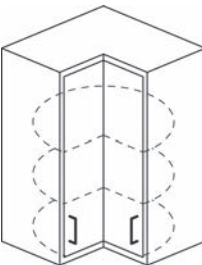
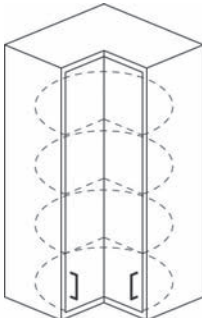
Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W6004 HINGED RIGHT W6005 HINGED LEFT CORNER DOOR WALL		23.25 25.25	19 24 31 32 36 42 48	13.25 15.25	HINGED DOOR ONE ADJUSTABLE SHELF REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETS (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6006 HINGED RIGHT W6007 HINGED LEFT CORNER DOOR WALL		23.25 25.25	31 32 36 42 48	13.25 15.25	HINGED DOOR TWO ADJUSTABLE SHELVES REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETS (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6008 HINGED RIGHT W6009 HINGED LEFT CORNER DOOR WALL		23.25 25.25	36 42 48	13.25 15.25	HINGED DOOR THREE ADJUSTABLE SHELVES REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETS (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6102 HINGED RIGHT W6101 HINGED LEFT CORNER DOOR WALL		23.25 25.25	19 24 31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOOR ONE ADJUSTABLE SHELF REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETS (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)



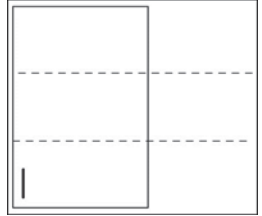
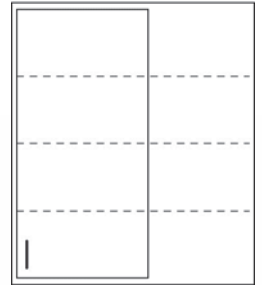
Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W6104 HINGED RIGHT W6103 HINGED LEFT CORNER DOOR WALL		23.25 25.25	31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOOR TWO ADJUSTABLE SHELVES REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETRY (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6106 HINGED RIGHT W6105 HINGED LEFT CORNER DOOR WALL		23.25 25.25	36 42 48	13.25 15.25	HINGED FRAMED GLASS DOOR THREE ADJUSTABLE SHELVES REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETRY (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6010 HINGED RIGHT W6011 HINGED LEFT CORNER CAROUSEL WALL		23.25 25.25	24 31 32 36 42 48	13.25 15.25	HINGED DOOR TWO REVOLVING ADJUSTABLE SHELF REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETRY (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6012 HINGED RIGHT W6013 HINGED LEFT CORNER CAROUSEL WALL		23.25 25.25	31 32 36 42 48	13.25 15.25	HINGED DOOR THREE REVOLVING ADJ SHELVES REQUIRES 1.75" FILLER BETWEEN ADJOINING CABINETRY (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)


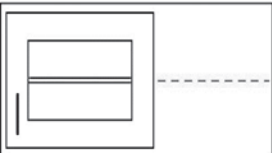
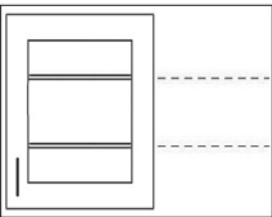
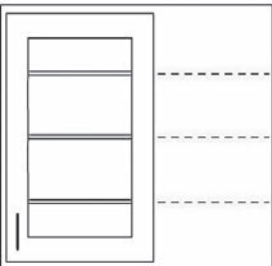
Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W6014 HINGED RIGHT W6015 HINGED LEFT CORNER CAROUSEL WALL		23.25 25.25	42 48	13.25 15.25	HINGED DOOR FOUR REVOLVING ADJ SHELVES REQUIRES 1.75" FILLER BETWEEN AD- JOINING CABINETS (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6016 CORNER CAROUSEL WALL		23.25 25.25	24 31 32 36 42 48	13.25 15.25	REVOLVING DOORS TWO REVOLVING ADJ SHELVES (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6017 CORNER CAROUSEL WALL		23.25 25.25	31 32 36 42 48	13.25 15.25	REVOLVING DOORS THREE REVOLVING ADJ SHELVES (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)
W6018 CORNER CAROUSEL WALL		23.25 25.25	31 32 36 42 48	13.25 15.25	REVOLVING DOORS FOUR REVOLVING ADJ SHELVES (13.25" REQUIRES 23.25" WALL SPACE) (15.25" REQUIRES 25.25" WALL SPACE)


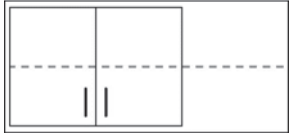
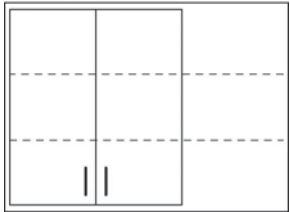
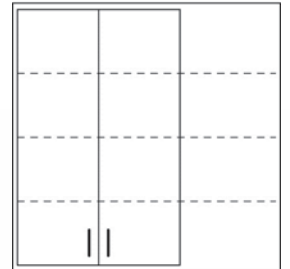
Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W6019 PANEL LEFT W6020 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	15	13.25 15.25	HINGED DOOR HINGES TO FULL FINISHED PANEL
			19 24 31 32 36 42 48		
W6021 PANEL LEFT W6022 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	19	13.25 15.25	HINGED DOOR HINGES TO FULL FINISHED PANEL ONE ADJUSTABLE SHELF
			24 31 32 36 42 48		
W6023 PANEL LEFT W6024 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	31	13.25 15.25	HINGED DOOR HINGES TO FULL FINISHED PANEL TWO ADJUSTABLE SHELVES
			32 36 42 48		
W6025 PANEL LEFT W6026 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	36	13.25 15.25	HINGED DOOR HINGES TO FULL FINISHED PANEL THREE ADJUSTABLE SHELVES
			42 48		

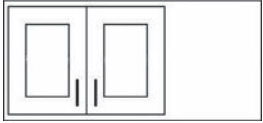
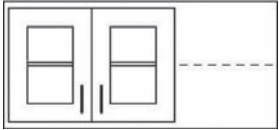
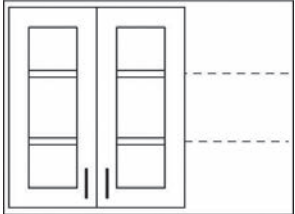
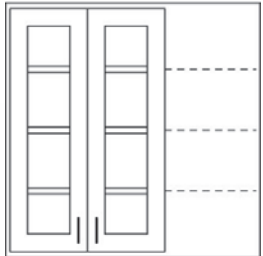
Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W6107 PANEL LEFT W6108 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	15 19 24 31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOOR HINGES TO FULL FINISHED PANEL
W6109 PANEL LEFT W6110 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	19 24 31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOOR HINGES TO FULL FINISHED PANEL ONE ADJUSTABLE SHELF
W6111 PANEL LEFT W6112 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOOR HINGES TO FULL FINISHED PANEL TWO ADJUSTABLE SHELVES
W6113 PANEL LEFT W6114 PANEL RIGHT DEAD CORNER WALL		30 33 36 39	36 42 48	13.25 15.25	HINGED FRAMED GLASS DOOR HINGES TO FULL FINISHED PANEL THREE ADJUSTABLE SHELVES

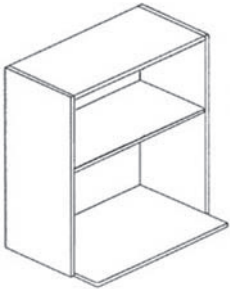
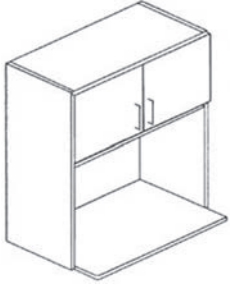
Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W6027 PANEL LEFT W6028 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	15 19 24 31 32 36 42 48	13.25 15.25	HINGED DOORS
W6029 PANEL LEFT W6030 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	19 24 31 32 36 42 48	13.25 15.25	HINGED DOORS ONE ADJUSTABLE SHELF
W6031 PANEL LEFT W6032 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	31 32 36 42 48	13.25 15.25	HINGED DOORS TWO ADJUSTABLE SHELVES
W6033 PANEL LEFT W6034 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	36 42 48	13.25 15.25	HINGED DOORS THREE ADJUSTABLE SHELVES




Corner Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
W6115 PANEL LEFT W6116 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	15 19 24 31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOORS
W6117 PANEL LEFT W6118 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	19 24 31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOORS ONE ADJUSTABLE SHELF
W6119 PANEL LEFT W6120 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	31 32 36 42 48	13.25 15.25	HINGED FRAMED GLASS DOORS TWO ADJUSTABLE SHELVES
W6121 PANEL LEFT W6122 PANEL RIGHT DEAD CORNER WALL		39 42 45 48	36 42 48	13.25 15.25	HINGED FRAMED GLASS DOORS THREE ADJUSTABLE SHELVES

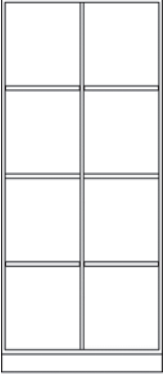

Specialty Wall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>W3001</p> <p>OPEN MICROWAVE WALL</p> 		27 30 33 36	31	13.25 15.25	FIXED CENTER SHELF FINISHED INTERIOR 17" DEEP BOTTOM SHELF SUFFIX -R FOR RADIUSED SHELF
<p>W3002</p> <p>DOOR MICROWAVE WALL</p> 		27 30 33 36	31	13.25 15.25	HINGED DOORS FIXED CENTER SHELF FINISHED INTERIOR 17" DEEP BOTTOM SHELF SUFFIX -R FOR RADIUSED SHELF


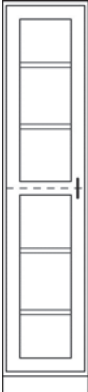
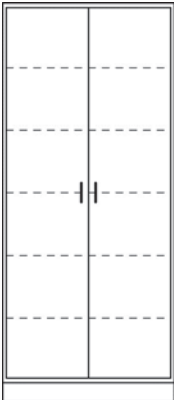
Open Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T0000 TALL CABINET MOD- IFIER		SPECIFY	SPECIFY	SPECIFY	
T1001 OPEN STORAGE TALL		12 15 18 21 24 27 30 33 36 39 42 45 48	48 54 60 66 72 78 84	13.25 15.25 23.25 28.25	ONE FIXED CENTER SHELF TWO ADJUSTABLE SHELVES
T1002 OPEN STORAGE TALL		12 15 18 21 24 27 30 33 36 39 42 45 48	48 54 60 66 72 78 84	13.25 15.25 23.25 28.25	ONE FIXED CENTER SHELF FOUR ADJUSTABLE SHELVES


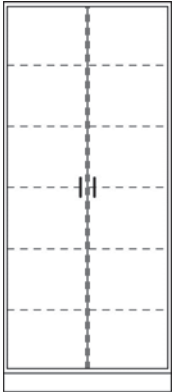

Open Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T1003 OPEN STORAGE TALL		12	48	13.25 15.25 23.25 28.25	ONE VERTICAL PARTITION TWO FIXED CENTER SHELVES FOUR ADJUSTABLE SHELVES
		15			
		18			
		21			
		24			
		27			
		30			
		33			
		36			
		39			
		42			
		45			
		48			
T1004 OPEN STORAGE TALL		12	48	13.25 15.25 23.25 28.25	ONE VERTICAL PARTITION TWO FIXED CENTER SHELVES EIGHT ADJUSTABLE SHELVES
		15			
		18			
		21			
		24			
		27			
		30			
		33			
		36			
		39			
		42			
		45			
		48			

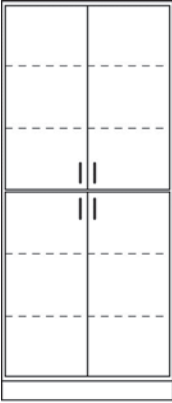
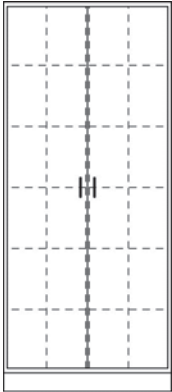
Door Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>T2001 HINGED LEFT</p> <p>T2002 HINGED RIGHT</p> <p>DOOR GENERAL STORAGE TALL</p>		<p>12</p> <p>15</p> <p>18</p> <p>21</p> <p>24</p>	<p>84</p>	<p>15.25</p> <p>23.25</p> <p>28.25</p>	<p>HINGED DOOR</p> <p>ONE FIXED CENTER SHELF</p> <p>FOUR ADJUSTABLE SHELVES</p>
<p>T2101 HINGED LEFT</p> <p>T2102 HINGED RIGHT</p> <p>FRAMED GLASS DOOR GENERAL STORAGE TALL</p>		<p>12</p> <p>15</p> <p>18</p> <p>21</p> <p>24</p>	<p>84</p>	<p>15.25</p> <p>23.25</p> <p>28.25</p>	<p>HINGED DOOR</p> <p>FRAMED GLASS DOOR</p> <p>ONE FIXED CENTER SHELF</p> <p>FOUR ADJUSTABLE SHELVES</p>
<p>T2003</p> <p>DOOR GENERAL STORAGE TALL</p>		<p>24</p> <p>27</p> <p>30</p> <p>33</p> <p>36</p> <p>39</p> <p>42</p> <p>45</p> <p>48</p>	<p>84</p>	<p>15.25</p> <p>23.25</p> <p>28.25</p>	<p>HINGED DOORS</p> <p>ONE FIXED CENTER SHELF</p> <p>FOUR ADJUSTABLE SHELVES</p>


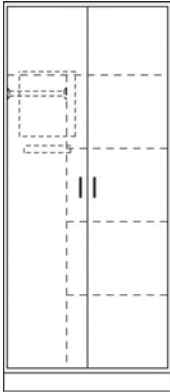
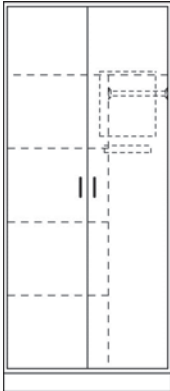
Door Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T2103 FRAMED GLASS DOOR GENERAL STORAGE TALL		24 27 30 33 36 39 42 45 48	84	15.25 23.25 28.25	HINGED DOORS FRAMED GLASS DOORS ONE FIXED CENTER SHELF FOUR ADJUSTABLE SHELVES
T2004 DOOR GENERAL STORAGE TALL		24 27 30 33 36 39 42 45 48	84	15.25 23.25 28.25	HINGED DOORS ONE CENTER PARTITION TWO FIXED CENTER SHELVES EIGHT ADJUSTABLE SHELVES
T2005 HINGED LEFT T2006 HINGED RIGHT SPLIT DOOR GENERAL STORAGE TALL		12 15 18 21 24	84	15.25 23.25 28.25	HINGED DOORS FIXED CENTER FLOOR FOUR ADJUSTABLE SHELVES

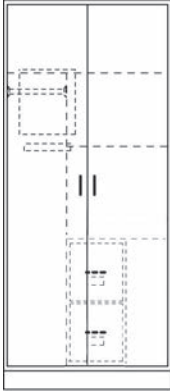
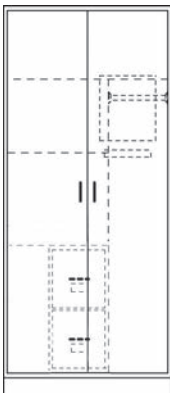
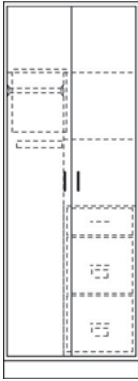
Door Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T2007 SPLIT DOOR GENERAL STORAGE TALL		24	84	15.25 23.25 28.25	HINGED DOORS FIXED CENTER FLOOR FOUR ADJUSTABLE SHELVES
		27			
30					
33					
36					
39					
42					
45					
48					
T2008 DOOR FLEXIBLE STORAGE TALL		24			
		27			
30					
33					
36					
39					
42					
45					
48					

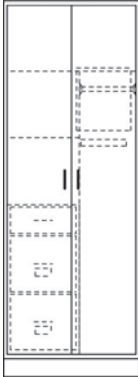
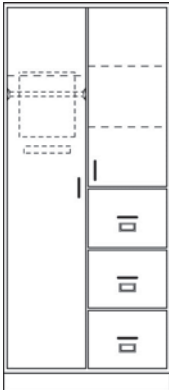
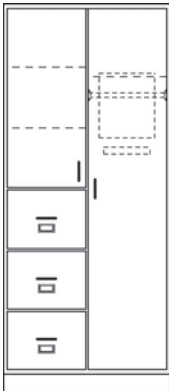
Wardrobe Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T3001 HINGED LEFT T3002 HINGED RIGHT TEACHER WARDROBE TALL		12 15 18 21 24	84	23.25	HINGED DOOR FIXED SHELF CHROME HANGER ROD MIRROR AND PIN TRAY
T3003 TEACHER WARDROBE TALL		24 27 30 33 36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY TWO ADJUSTABLE SHELVES
T3004 TEACHER WARDROBE TALL		24 27 30 33 36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY TWO ADJUSTABLE SHELVES

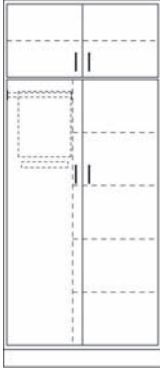
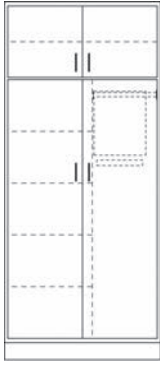

Wardrobe Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T3005 TEACHER WARDROBE TALL		30 33 36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY TWO LETTER FILE DRAWERS CARD HOLDERS FILE RAILS ADJUSTABLE SHELF
T3006 TEACHER WARDROBE TALL		30 33 36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY TWO LETTER FILE DRAWERS CARD HOLDERS FILE RAILS ADJUSTABLE SHELF
T3007 TEACHER WARDROBE TALL		30 33 36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY STANDARD DRAWER TWO LETTER FILE DRAWERS CARD HOLDERS FILE RAILS ADJUSTABLE SHELF




Wardrobe Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T3008 TEACHER WARDROBE TALL		30 33 36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY STANDARD DRAWER TWO LETTER FILE DRAWERS CARD HOLDERS FILE RAILS ADJUSTABLE SHELF
T3009 TEACHER WARDROBE TALL		36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY THREE FILE DRAWERS CARD HOLDERS FILE RAILS TWO ADJUSTABLE SHELVES
T3010 TEACHER WARDROBE TALL		36 39 42 45 48	84	23.25	HINGED DOORS TWO FIXED SHELVES CHROME HANGER ROD MIRROR AND PIN TRAY THREE FILE DRAWERS CARD HOLDERS FILE RAILS TWO ADJUSTABLE SHELVES


Wardrobe Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T3011 TEACHER WARDROBE TALL		30	84	23.25	HINGED DOORS FIXED FLOOR FIXED SHELF CHROME HANGER ROD MIRROR AND PIN TRAY FOUR ADJUSTABLE SHELVES
		33			
36					
39					
42					
45					
48					
T3012 TEACHER WARDROBE TALL		30	84	23.25	HINGED DOORS FIXED FLOOR FIXED SHELF CHROME HANGER ROD MIRROR AND PIN TRAY FOUR ADJUSTABLE SHELVES
		33			
36					
39					
42					
45					
48					
T3013 HINGED LEFT		12	84	23.25	HINGED DOOR FIXED SHELF FIXED CHROME HANGER ROD ADJUSTABLE CHROME HANGER ROD
T3014 HINGED RIGHT		15			
TEACHER WARDROBE TALL		18			
		21			
		24			


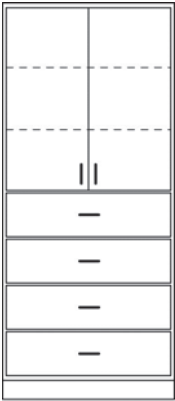
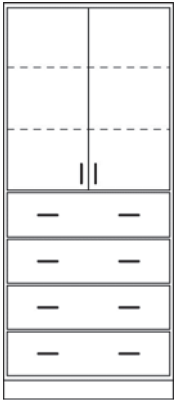
Wardrobe Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T3015 TEACHER WARDROBE TALL		24 27 30 33 36 39 42 45 48	84	23.25	HINGED DOORS FIXED SHELF FIXED CHROME HANGER ROD ADJUSTABLE CHROME HANGER ROD
T3021 HINGED LEFT T3022 HINGED RIGHT TEACHER WARDROBE TALL		12 15 18 21 24	84	23.25	HINGED DOOR FIXED FLOOR ONE FIXED SHELF CHROME HANGER ROD MIRROR AND PIN TRAY TWO DRAWERS
T3023 TEACHER WARDROBE TALL		24 27 30 33 36 39 42 45 48	84	23.25	HINGED DOORS FIXED FLOOR ONE FIXED SHELF CHROME HANGER ROD MIRROR AND PIN TRAY TWO DRAWERS

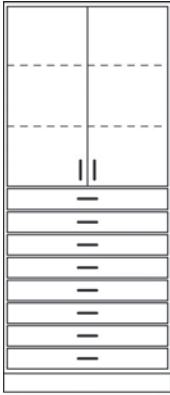

Wardrobe Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T3024 TEACHER WARDROBE TALL		24 27 30 33 36 39 42 45 48	84	23.25	HINGED DOORS FIXED FLOOR ONE FIXED SHELF CHROME HANGER ROD MIRROR AND PIN TRAY TWO DRAWERS



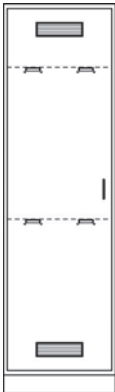
Combination Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>T4001 HINGED LEFT</p> <p>T4002 HINGED RIGHT</p> <p>DOOR DRAWER GENERAL STORAGE TALL</p>		<p>12</p> <p>15</p> <p>18</p> <p>21</p> <p>24</p>	<p>84</p>	<p>15.25</p> <p>23.25</p> <p>28.25</p>	<p>HINGED DOOR</p> <p>FIXED CENTER FLOOR</p> <p>TWO ADJUSTABLE SHELVES ABOVE</p> <p>FOUR EQUAL DRAWERS BELOW</p>
<p>T4003</p> <p>DOOR DRAWER GENERAL STORAGE TALL</p>		<p>24</p> <p>27</p> <p>30</p> <p>33</p> <p>36</p> <p>39</p> <p>42</p> <p>45</p> <p>48</p>	<p>84</p>	<p>15.25</p> <p>23.25</p> <p>28.25</p>	<p>HINGED DOORS</p> <p>FIXED CENTER FLOOR</p> <p>TWO ADJUSTABLE SHELVES ABOVE</p> <p>FOUR EQUAL DRAWERS BELOW</p>
<p>T4004</p> <p>DOOR DRAWER GENERAL STORAGE TALL</p>		<p>24</p> <p>27</p> <p>30</p> <p>33</p> <p>36</p> <p>39</p> <p>42</p> <p>45</p> <p>48</p>	<p>84</p>	<p>15.25</p> <p>23.25</p> <p>28.25</p>	<p>HINGED DOORS</p> <p>FIXED CENTER FLOOR</p> <p>TWO ADJUSTABLE SHELVES ABOVE</p> <p>FOUR EQUAL DRAWERS BELOW</p>

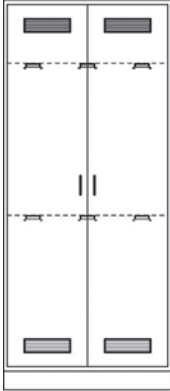
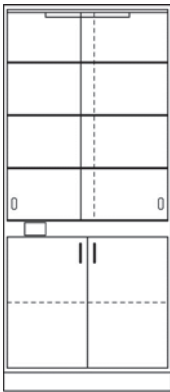

Combination Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T4005 DOOR DRAWER GENERAL STORAGE TALL		24 27 30 33 36 39 42 45 48	84	15.25 23.25 28.25	HINGED DOORS FIXED CENTER FLOOR TWO ADJUSTABLE SHELVES ABOVE EIGHT EQUAL DRAWERS BELOW
T4006 DOOR DRAWER GENERAL STORAGE TALL		24 27 30 33 36 39 42 45 48	84	15.25 23.25 28.25	HINGED DOORS FIXED CENTER FLOOR TWO ADJUSTABLE SHELVES ABOVE EIGHT EQUAL DRAWERS BELOW

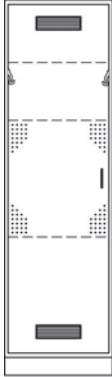
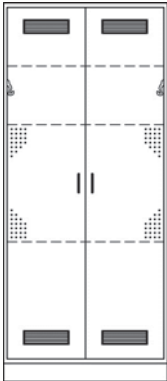

Specialty Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>T5001 HINGED LEFT</p> <p>T5002 HINGED RIGHT</p> <p>APRON SMOCK STORAGE TALL</p>		<p>18 21 24</p>	<p>84</p>	<p>23.25</p>	<p>HINGED DOOR FIXED SHELF TWO APRON CARRIERS (24) TOTAL HOOKS TWO LOUVERS</p>
<p>T5003</p> <p>APRON SMOCK STORAGE TALL</p>		<p>36 39 42 45 48</p>	<p>84</p>	<p>23.25</p>	<p>HINGED DOORS FIXED SHELF THREE APRON CARRIERS (36) TOTAL HOOKS FOUR LOUVERS</p>
<p>T5005 HINGED LEFT</p> <p>T5004 HINGED RIGHT</p> <p>APRON SMOCK STORAGE TALL</p>		<p>18 21 24</p>	<p>84</p>	<p>23.25</p>	<p>HINGED DOOR FIXED SHELF ADJUSTABLE SHELF FOUR APRON CARRIERS (48) TOTAL HOOKS TWO LOUVERS</p>

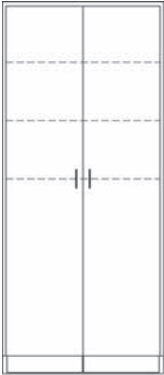
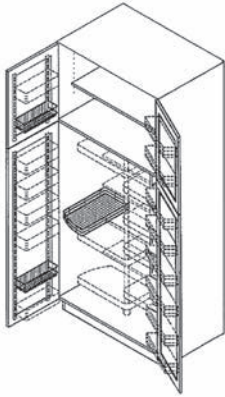
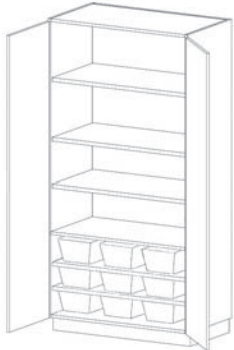
Specialty Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T5006 APRON SMOCK STORAGE TALL		36 39 42 45 48	84	23.25	HINGED DOORS FIXED SHELF ADJUSTABLE SHELF SIX APRON CARRIERS (72) TOTAL HOOKS FOUR LOUVERS
T5007 DISPLAY CASE		24 27 30 33 36 39 42 45 48	84	23.25	SLIDING GLASS DOORS ABOVE HINGED DOORS BELOW THREE ADJUSTABLE GLASS SHELVES ADJUSTABLE SHELF FLUORESCENT LIGHT FIXTURE SWITCH CUTOUT W/BOX PLATE AND SWITCH NOT INCLUDED
T5008 DISPLAY CASE		24 27 30 33 36 39 42 45 48	84	23.25	SLIDING GLASS DOORS ABOVE HINGED DOORS BELOW THREE ADJUSTABLE GLASS SHELVES ADJUSTABLE SHELF

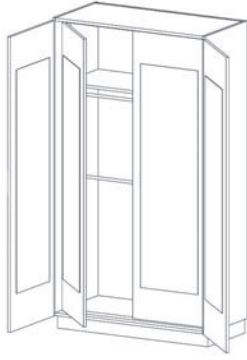

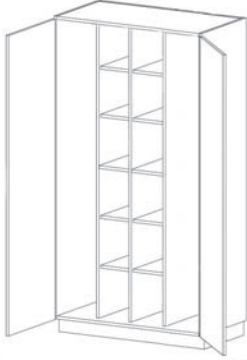
Specialty Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T5009 HINGED LEFT T5010 HINGED RIGHT CLEANING STORAGE TALL		18 21 24	84	23.25	HINGED DOOR FIXED SHELF PARTIAL PEGBOARD INTERIOR FOUR SINGLE HOOKS TWO LOUVERS TWO BROOM CLIPS
T5011 CLEANING STORAGE TALL		30 33 36 39 42 45 48	84	23.25	HINGED DOORS FIXED SHELF PARTIAL PEGBOARD INTERIOR FOUR SINGLE HOOKS TWO LOUVERS TWO BROOM CLIPS
T5013 HINGED LEFT T5012 HINGED RIGHT CART/TRASH STORAGE TALL		18 21 24	84	23.25	HINGED DOOR FIXED CENTER SHELF TWO ADJUSTABLE SHELVES INTEGRAL SUBBASE


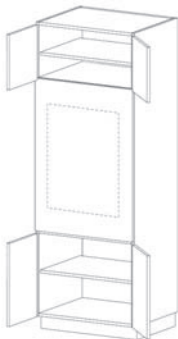
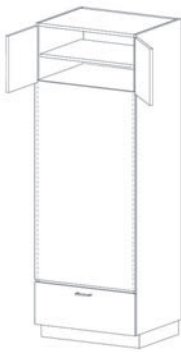
Specialty Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T5014 CLEANING STORAGE TALL		24 27 30 33 36 39 42 45 48	84	23.25	HINGED DOORS FIXED CENTER SHELF TWO ADJUSTABLE SHELVES INTEGRAL SUBBASE
T5020 PANTRY STORAGE TALL		36	84	23.25	HINGED DOORS ADJUSTABLE WIRE DOOR RACKS SHALLOW DEPTH SHELVING AT REAR SWING-OUT WIRE BASKETS ADJUSTABLE SHELF AT TOP
T5021 FOOD STAPLES STORAGE TALL		36	84	23.25	HINGED DOORS FIXED SHELF STORAGE TOTES BELOW THREE ADJUSTABLE SHELVES

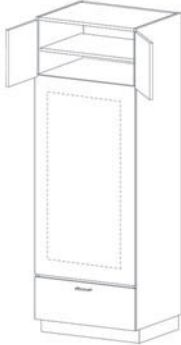
Specialty Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>T5022</p> <p>FITTING MIRROR STATION TALL</p> 		42 45 48	84	23.25	<p>HINGED DOORS HINGED MIRRORED INTERIOR DOORS FIXED SHELF CHROME HANGER ROD ADJUSTABLE CHROME HANGER ROD</p>
<p>T5025 HINGED LEFT</p> <p>T5024 HINGED RIGHT</p> <p>IRONING CENTER STORAGE TALL</p> 		21 24	84	23.25	<p>HINGED DOOR OFFSET VERTICAL PARTITION FIVE FIXED HEAT-RESIST SHELVES HOLDS FIVE IRONS HOLDS FIVE IRONING BOARDS</p>
<p>T5026</p> <p>IRONING CENTER STORAGE TALL</p> 		39 42 45 48	84	23.25	<p>HINGED DOOR THREE VERTICAL PARTITIONS TEN FIXED HEAT-RESIST SHELVES HOLDS TEN IRONS HOLDS TEN IRONING BOARDS</p>

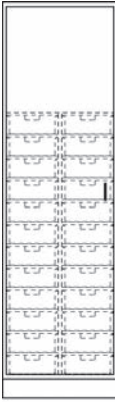
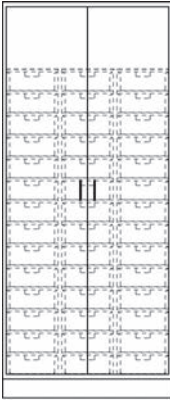
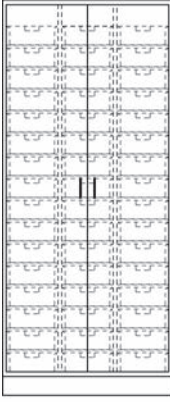
Specialty Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T5050 DOOR OVEN TALL		27	84	25.25	HINGED DOORS AT TOP AND BOTTOM RAILS FOR OVEN MOUNTING SPECIFY OVEN CUTOUT SIZE ADJUSTABLE SHELF ABOVE & BELOW
T5051 DOOR OVEN TALL		30 33 36	84	25.25	HINGED DOORS AT TOP AND BOTTOM OVERLAY OVEN PANEL SPECIFY OVEN CUTOUT SIZE ADJUSTABLE SHELF ABOVE & BELOW
T5052 DOOR DRAWER OVEN TALL		27	84	25.25	HINGED DOORS AT TOP RAILS FOR OVEN MOUNTING SPECIFY OVEN CUTOUT SIZE DRAWER BELOW ADJUSTABLE SHELF ABOVE

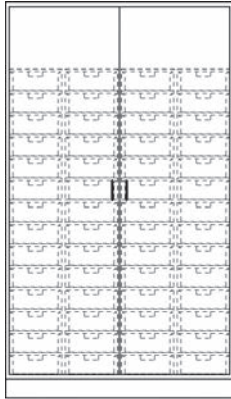
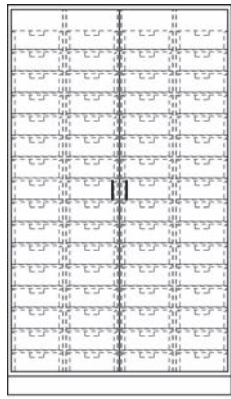
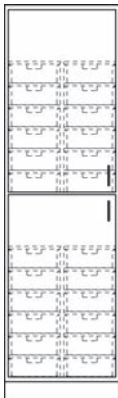
Specialty Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>T5053</p> <p>DOOR DRAWER OVEN TALL</p> 		<p>30 33 36</p>	<p>84</p>	<p>25.25</p>	<p>HINGED DOORS AT TOP OVERLAY OVEN PANEL SPECIFY OVEN CUTOUT SIZE DRAWER BELOW ADJUSTABLE SHELF ABOVE</p>

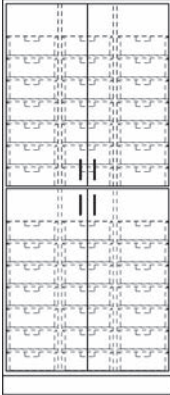
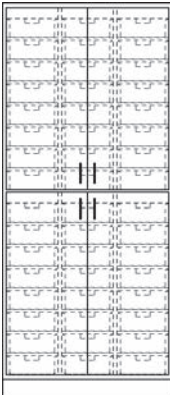
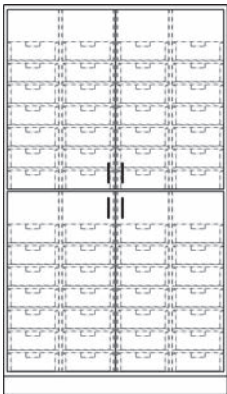
Tote Tray Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
<p>T7001 HINGED LEFT</p> <p>T7002 HINGED RIGHT</p> <p>TOTE TRAY TALL</p>		<p>21 24</p>	<p>84</p>	<p>23.25</p>	<p>HINGED DOOR FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 21"- (24) 7.5" WIDE TOTE TRAYS 24"-(24) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY</p>
<p>T7003</p> <p>TOTE TRAY TALL</p>		<p>36 39 42 45 48</p>	<p>84</p>	<p>23.25</p>	<p>HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 36"- (42) 9.5" WIDE TOTE TRAYS 39"-(42) 9.5" WIDE TOTE TRAYS 42"-(42) 9.5" WIDE TOTE TRAYS 45"-(42) 12.5" WIDE TOTE TRAYS 48"-(42) 12.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY</p>
<p>T7004</p> <p>TOTE TRAY TALL</p>		<p>36 39 42 45 48</p>	<p>84</p>	<p>23.25</p>	<p>HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 36"- (48) 9.5" WIDE TOTE TRAYS 39"-(48) 9.5" WIDE TOTE TRAYS 42"-(48) 9.5" WIDE TOTE TRAYS 45"-(48) 12.5" WIDE TOTE TRAYS 48"-(48) 12.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY</p>

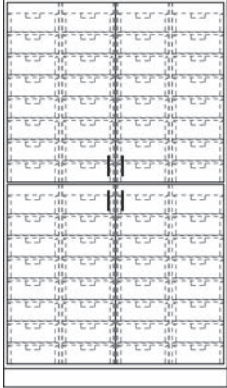
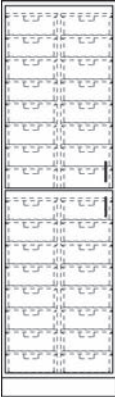
Tote Tray Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T7005 TOTE TRAY TALL		39 42 45 48	84	23.25	HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 39"-(56) 7.5" WIDE TOTE TRAYS 42"-(56) 7.5" WIDE TOTE TRAYS 45"-(56) 7.5" WIDE TOTE TRAYS 48"-(56) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
T7006 TOTE TRAY TALL		39 42 45 48	84	23.25	HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 39"-(64) 7.5" WIDE TOTE TRAYS 42"-(64) 7.5" WIDE TOTE TRAYS 45"-(64) 7.5" WIDE TOTE TRAYS 48"-(64) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
T7007 HINGED LEFT T7008 HINGED RIGHT SPLIT DOOR TOTE TRAY TALL		21 24	84	23.25	HINGED DOORS FIXED TOP SHELF FIXED CENTER FLOOR NOMINAL TOTE SIZES 21"-(24) 7.5" WIDE TOTE TRAYS 24"-(24) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY

Tote Tray Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION
T7009 SPLIT DOOR TOTE TRAY TALL		36 39 42 45 48	84	23.25	HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 36"-(42) 9.5" WIDE TOTE TRAYS 39"-(42) 9.5" WIDE TOTE TRAYS 42"-(42) 9.5" WIDE TOTE TRAYS 45"-(42) 12.5" WIDE TOTE TRAYS 48"-(42) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
T7010 SPLIT DOOR TOTE TRAY TALL		36 39 42 45 48	84	23.25	HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 36"-(48) 9.5" WIDE TOTE TRAYS 39"-(48) 9.5" WIDE TOTE TRAYS 42"-(48) 9.5" WIDE TOTE TRAYS 45"-(48) 12.5" WIDE TOTE TRAYS 48"-(48) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY
T7011 SPLIT DOOR TOTE TRAY TALL		39 42 45 48	84	23.25	HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 39"-(56) 9.5" WIDE TOTE TRAYS 42"-(56) 9.5" WIDE TOTE TRAYS 45"-(56) 12.5" WIDE TOTE TRAYS 48"-(56) 13.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY

Tote Tray Tall Cabinets

		WIDTHS	HEIGHTS	DEPTHS	DESCRIPTION		
T7012	SPLIT DOOR TOTE TRAY TALL		39 42 45 48	84	23.25	HINGED DOORS FIXED TOP SHELF FIXED CENTER SHELF NOMINAL TOTE SIZES 39"-(64) 7.5" WIDE TOTE TRAYS 42"-(64) 7.5" WIDE TOTE TRAYS 45"-(64) 7.5" WIDE TOTE TRAYS 48"-(64) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY	
T7013 HINGED LEFT	T7014 HINGED RIGHT	SPLIT DOOR TOTE TRAY TALL		21 24	84	23.25	HINGED DOORS FIXED CENTER FLOOR NOMINAL TOTE SIZES 21"-(32) 7.5" WIDE TOTE TRAYS 24"-(32) 9.5" WIDE TOTE TRAYS ORDER TOTES SEPARATELY

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T2002	1 Fixed Center Shelf, 4 Adj Shlvs, Dr Hinged Right	59	T7001	24 Tote Trays, Fixed Shelf, Door Hinged Left	77
T2101	1 Fixed Center Shelf, 4 Adj Shlvs, Frmd Glass Dr Hinged Left	59	T7002	24 Tote Trays, Fixed Shelf, Door Hinged Right.....	77
T2102	1 Fixed Center Shelf, 4 Adj Shlvs, Frmd Glass Dr Hinged Right.....	59	T7003	42 Tote Trays, Fixed Shelf, Dbl Door	77
T2003	1 Fixed Center Shelf, 4 Adj Shlvs, Dbl Dr	59	T7004	48 Tote Trays, Fixed Shelf, Dbl Door	77
T2103	1 Fixed Center Shelf, 4 Adj Shlvs, Framed Glass Dbl Dr.....	60	T7005	56 Tote Trays, Fixed Shelf, Dbl Door	78
T2004	Center Partition, 2 Fixed Center Shlvs, 8 Adj Shlvs, Dbl Dr	60	T7006	64 Tote Trays, Fixed Shelf, Dbl Door	78
T2005	1 Fixed Floor, 4 Adj Shlvs, Split Drs Hinged Left	60	T7007	24 Tote Trays, Fixed Floor, Split Door Hinged Left	78
T2006	1 Fixed Floor, 4 Adj Shlvs, Split Drs Hinged Right.....	60	T7008	24 Tote Trays, Fixed Floor, Split Door Hinged Right	78
T2007	1 Fixed Floor, 4 Adj Shlvs, Dbl Split Drs	61	T7009	42 Tote Trays, Fixed Floor, Split Dbl Door	79
T2008	3 Partitions, 4 Fixed Center Shlvs, 16 Adj Shlvs, Dbl Drs	61	T7010	48 Tote Trays, Fixed Floor, Split Dbl Door.....	79
Teacher Wardrobe Cabinets			T7011	56 Tote Trays, Fixed Floor, Split Dbl Door.....	79
T3001	1 Fixed Shelf, Hanger Rod, Mirror, Pin Tray, Dr Hinged Left	62	T7012	64 Tote Trays, Fixed Floor, Split Dbl Door.....	80
T3002	1 Fixed Shelf, Hanger Rod, Mirror, Pin Tray, Dr Hinged Right	62	T7013	32 Tote Trays, Fixed Floor, Split Door Hinged Left	80
T3003	2 Fixed Shlvs, 2 Adj Shlvs, Rod, Mir, Pin Tray, Dbl Dr	62	T7014	32 Tote Trays, Fixed Floor, Split Door Hinged Right.....	80
T3004	2 Fixed Shlvs, 2 Adj Shlvs, Rod, Mir, Pin Tray, Dbl Dr	62			

Plastic-Laminate Casework Specifications

Part 1: General

1.01 SUMMARY

- A. Section includes supplying plastic-laminate-faced casework; countertops; casework hardware and service fittings and outlets.
- B. Plumbing Contractor shall install all sinks, faucets, strainers, tailpieces, traps, bubblers, gas cocks and valves and trim furnished by the casework supplier; Plumbing Contractor shall provide all labor to interconnect these items and connect these items to building systems.
- C. Electrical Contractor shall install electrical equipment (variable voltage panels, etc.) furnished by the casework supplier as specified. Electrical Contractor shall provide all labor to interconnect these items with the building systems. The electrical contractor shall provide electrical boxes, plates and wiring devices. The casework contractor will provide the appropriate cutouts as noted on the approved shop drawings.
- D. HVAC Contractor shall install all mechanical devices furnished by the casework supplier as specified. HVAC Contractor shall provide all labor to interconnect these items to the building systems.
- E. If fume hoods are included as part of the casework contract the fume hood motor / fan assemblies, ducting, dampers and control devices shall be provided by the HVAC or other designated contractor(s) per the mechanical specifications. The casework contractor only if shown on approved shop drawings shall provide fan switches.
- F. Calibration and balancing of fume hoods is the responsibility of the HVAC contractor.
- G. Furnish and place appliances, which are explicitly included in the casework, contract where noted on architectural drawings.
- H. The HVAC, Plumbing and Electrical Contractors shall extend building utilities to and connect appliances.
- I. Work shall be conducted in accordance with General Conditions, Supplementary Conditions, Division 1 and the requirements of this Section.
- J. Related Sections:
 - 1. Section 07900 - Joint Sealers.
 - 2. Section 09650 - Resilient Flooring: Base material.
 - 3. Section 11600 - Laboratory Equipment.

1.02 REFERENCES

- A. American National Standards Institute (ANSI).
- B. Architectural Woodwork Institute (AWI): Architectural Woodwork Quality Standards Illustrated, latest edition.

Plastic-Laminate Casework Specifications

C. National Electrical Manufacturers Association:

1. NEMA LD 3 - High Pressure Decorative Laminates.

D. Composite Panel Association Buyer's & Specifier's Guide

1.03 DESIGN REQUIREMENTS

A. Manufacturers shall be members of AWI, have established quality control criteria

B. Casework shall meet or exceed load tests as outlined in ANSI A161.1.

C. Manufacturers shall comply, per architect's specification, with special requirements related to the Americans with Disabilities Act, 28 CFR Part 36, ADA Standards for Accessible Design.

D. Items shall suit space conditions and where equipment is intended to occupy fixed locations, the physical conditions, roughing-in, etc., of the building are to control the absolute sizes and arrangements.

E. Project Standard:

1. Stock numbers of items of equipment, as indicated on Equipment Schedules, have been selected from one manufacturer's catalog for design purposes only.
2. Items of equipment by approved manufacturers (other than the Project Standard) need not be identical to the items indicated, however, they must satisfy the same requirements, provide the same facilities (doors, drawers, etc.) and fulfill the same functions as the specified items.
3. Where items of equipment by approved manufacturers (other than Project Standard) are not of the same lengths as the items indicated, adjust equipment layouts as follows:
 - a. Where items of equipment are against the wall and confined by walls at both ends.
 - 1) Add a filler panel (not to exceed 4" wide), and/or
 - 2) Increase the length of one or more units, and/or
 - 3) Add an additional item of equipment.
 - b. Where items of equipment are freestanding or are not confined by walls at both ends, adjust as above, except that overall length need only be approximate.
4. Materials used by all manufacturers must meet the requirements of these specifications; it is understood that the manufacturers vary in joinery; these specifications describe the construction offered by the first-named manufacturer.
5. It is intended that wood dowels shall secure cabinet body components and glue, but the use of concealed interlocking mechanical fasteners as approved by AWI 1600B-S-4. A especially designed for use with particleboard shall be acceptable.

Plastic-Laminate Casework Specifications

6. Where items of equipment by approved manufacturers (other than the Project Standard) necessitate changes in mechanical or electrical services, said changes shall be the Contractor's responsibility and shall be coordinated and accomplished at no additional cost to the Owner.

1.04 SUBMITTALS

A. Section 01600 - Product Requirements: Submittal requirements.

B. Shop Drawings:

1. Indicate casework locations, large-scale plans, elevations, cross sections, rough in and anchor placement dimensions, tolerances and clearances required.
2. Include utility rough-in dimensions.

C. Product Data:

1. Submit component dimensions, configurations, construction details, joint details, and attachments, utility and service requirements and locations.
2. Include associated components, including grommets, sink, sink fittings, appliances, fume hoods and other items as indicated on drawings.
3. Include manufacturer's literature.

D. Samples (per architect's request):

1. Plastic Laminates
2. Edge banding
3. Hinges
4. Pulls
5. Catches
6. Louvers
7. Grommets

E. Sample Unit:

1. When requested by the Architect, submit full-size cabinet, as herein specified.
2. Submitted cabinets may be used in the Project.

F. Coordination Submittals:

1. Copy same submittals to other trades and other Prime Contractors who have connecting or adjacent Work for coordination review and for locating their Work connected to or adjacent to the equipment specified herein.

Plastic-Laminate Casework Specifications

G. Certification that the manufacturer's assembly has been tested per ANSI A161.1.

1.05 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer: Company specializing in manufacturing products specified in this Section with minimum ten years experience.

B. Mockup (per architect's request):

1. Section 01400 - Quality Requirements: Mockup requirements.
2. Construct full size mockup including base and upper cabinet, complete with drawers, door, adjustable shelf and counter top.
3. Locate where directed by Architect.
4. Incorporate accepted mockup as part of Work.

1.06 DELIVERY, STORAGE AND HANDLING

A. Section 01600 - Product Requirements: Product warranties and product bonds.

B. Accept casework on site; inspect on arrival for damage.

C. Store and handle casework in manner to prevent damage and deterioration.

D. Provide packaging such as cardboard or other containers, separators, banding, spreaders and paper wrappings to protect metal items.

E. Store casework in a protected dry area, provided by the owner, away from direct sunlight, with temperature 70 degrees F (+/- 10) and relative humidity of 20-50%. Casework shall be stored elevated above moisture contact. Storage area must be isolated from outside weather conditions. Casework shall be installed only in areas where temperature and humidity are maintained within the above-stated range. Storage and installations in conditions other than those stated above will void all product warranties.

F. All cabinets to be complete with hardware attached (or provided loose where not practical to ship attached) with all necessary scribes, fillers and molding; all items to be marked on outside of packaging for identification.

G. Protect exposed finish surfaces by suitable means.

H. Coordinate size of access and route to place of installation.

Plastic-Laminate Casework Specifications

1.07 SEQUENCING AND SCHEDULING

- A. Coordinate casework installation with location and installation of service utilities.
- B. Sequence installation to accommodate required utility connections.

1.08 WARRANTY

- A. The manufacturer shall guarantee the casework against defects in materials and workmanship for a period of one year from date of acceptance.
- B. Warranty shall cover the repair or replacement, at the manufacturer's discretion of defective material.
- C. Non-manufactured components and accessories, such as faucets, fittings and fume hoods, shall be covered by the specific manufacturer's warranty.

PART 2: PRODUCTS

2.01 MANUFACTURERS

- A. Project Standard:
 - 1. Drawings and specifications for casework and equipment are based upon plastic laminate institutional casework as manufactured by Labscape LLC, 100 Hilltop Road Ramsey, NJ 07446 800.898.6649.
- B. The design shall be in accordance with the Drawings for each item, complete with all required fillers, trim strips, backs, etc.
- C. The equipment of the following specifications shall be the heavier, more substantial grade of equipment generally referred to as Institutional Grade, as compared to the lighter commercial grades, which will not comply with these specifications and will not be acceptable.
- D. Colors for casework and counter tops shall be as selected by the Architect and shall not be limited in number of colors; Architect reserves the right to select any color offered by Wilsonart or Formica.

2.02 COMPONENTS

- A. Cabinet Surfaces:
 - 1. All exposed exterior cabinet surfaces shall be surfaced with a high pressure plastic laminate 0.028 inch (0.71mm) in thickness (GP28), meeting current NEMA standards for vertical grade.

Plastic-Laminate Casework Specifications

2. Interior surfaces (concealed surfaces) and underside of wall cabinets shall be neutral in color and shall be thermally fused melamine laminate meeting current NEMA standards.

3. Units without doors and with glazed or glass doors to receive same interior as exposed exterior.

B. Edges:

1. Cabinet body leading edges shall be flat edge 0.020 inch PVC, machine applied with hot melt adhesive.

2. Doors and drawer edges shall be 3mm PVC, machine applied with hot melt adhesive, inside/outside length radiused, corner radiused and buffed.

C. Drawer bodies shall be constructed of ½” thick solid oak with dovetail joints. Laminate drawer boxes with doveled construction shall not be considered equal.

D. Lamination with natural hybrid P.V.A. Type III water resistant adhesives that cure through chemical reaction, containing no health or environmentally hazardous ingredients, are required; “contact” methods of laminating are not allowed.

E. Substrate for Laminated Surfaces:

1. Particleboard:

a. Particleboard to be industrial grade, with a minimum density range of 45 to 50 pounds per cubic foot, balanced 3-ply construction and shall conform to ANSI A208.1-1993 specifications for medium density.

2.03 COUNTER TOPS

A. Laminate Counter Tops:

1. Decorative surface to be PF42 or GP 50 high pressure plastic laminate which meets or exceeds performance standards set by National Electrical Manufacturers Association (NEMA LD3-2000), as amended, for Class 1 applied with water resistant glue over 1 inch thick particleboard.

2. Underside shall be properly balanced with heavy gauge backing sheet.

3. Provide tops in as long as practical continuous lengths.

4. Provide mechanical fasteners at field joints.

5. The backsplash shall not be the post-formed cove type.

6. Backsplashes will be mechanically fastened.

7. Backsplash bottom and corner joints will be continuously sealed with silicone sealant.

8. Factory applied tops on mobile cabinets and other specialty cabinets shall be ¾” thick particleboard with plastic laminate top surface and balanced with phenolic backer sheet or equivalent. All edges to have PVC edge band (selected from manufacturer’s standard color offering) applied with hot melt adhesive.

B. Molded Epoxy Resin Tops:

1. Molded epoxy resin tops shall be molded from a modified epoxy resin that has been especially compounded and cured to provide the optimum physical and chemical resistance properties required of a heavy-duty laboratory tabletop.

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2. Tops and curbs shall be a uniform mixture throughout their full thickness, and shall not depend upon a surface coating that is readily removed by chemical and/or physical abuse.

3. Tops and curbs shall be non-glaring and black in color. Tabletops shall be 1 inch thick, unless otherwise shown on the Drawings, with drip grooves provided on the underside at all exposed edges.

4. Further, all exposed edges except as indicated below, shall be eased at front top edge and at vertical corners.

5. 4" curbs shall be the same thickness as the tops, bonded to the surface of the top to form a square joint.

6. Provide drop-in sinks.

a. Sink cutouts shall be machined to accommodate sink lips.

C. Stainless Steel:

1. Equipment herein specified, when constructed of more than one piece and/or sheet of metal, shall be continuously butt-welded, ground and polished smooth; field joints shall be as few as possible.

2. Welded parts shall be homogeneous, non-porous, and free from pits, cracks, imperfections or discolorations.

3. Welding shall be electric process, with joints ground and polished smooth.

4. The welding rods used shall be of the same composition as sheets of parts welded.

5. Counter Tops:

a. Counter tops and like items, unless otherwise specified, shall be Type 304 with number 4 finish.

b. Tops shall be reinforced on bottom side with hat channels and coated with sound deadening material.

c. Field joints in tops shall be bolted where tops exceed length of available sheets and/or where building access does not permit the top to be brought into the building in one piece.

6. Backsplashes:

a. Form on three sides of, and integral with, counter top of 14-gauge stainless steel with corners formed with a $\frac{3}{4}$ " radius, both horizontal and vertical.

b. Provide $\frac{3}{4}$ " return down backside.

c. Close ends of side splashes with $\frac{3}{4}$ " radius.

7. Integral Sinks:

a. Sinks shall be constructed of 14-gauge stainless steel with corners formed with a $\frac{3}{4}$ " radius, both horizontal and vertical; sink sizes established on the drawings to be inside measurements.

b. Partitions between sink compartments shall be double walled with $\frac{3}{4}$ " radius corners, $\frac{3}{4}$ " radius top edges, welded in place, ground smooth and polished.

c. Fronts, bottoms and back of multiple compartment sinks shall be one piece with no overlapping joints or open crevices.

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- d. Bottom of each compartment shall be molded at drain opening at center.
- e. Where sinks occur in counter tops, they shall be entirely welded to the countertops with welds ground smooth and polished, with no trace of welding left, to give the appearance of one continuous piece.
- f. Counter tops are to have a stainless steel backsplash 4 inches high.
- g. Provide appropriate number of holes for specified faucets and drains.

D. Hard Wood Tops:

- 1. Wood tops shall be 1- $\frac{1}{4}$ " minimum thickness and shall be built up of maple strips laminated together with a durable finish.

2.04 HARDWARE COMPONENTS

A. Hinges

- 1. Standard hinges for wall cabinets, base cabinets and tall cabinet doors shall be of the heavy-duty, wrap around, institutional type with five knuckles, non-removable pin and rounded ends. Hinges for overlay door construction shall be 2- $\frac{3}{4}$ " high by .095" thick and hinges for lipped radiused construction shall be 2- $\frac{1}{2}$ " high by .072 thick. Hinge swing shall be 270 degrees. Hinges shall be finished in colors selected from the manufacturer's standard colors.
- 2. Offset kitchen cabinet type, plain butt hinges or hinges with removable pins will not be acceptable.
- 3. Hinge screws shall be concealed when door is closed.
- 4. Doors less than 40- $\frac{1}{4}$ " high shall have two hinges and those 40- $\frac{1}{4}$ " high and over shall have three hinges.
- 5. Optional concealed hinges shall be available with either 120 or 170-degree swing (per project specification).
- 6. Optional semi-concealed three knuckle hinges shall be available.
- 7. The number of semi-concealed or concealed hinges shall vary according to the door height as follows: 10- $\frac{1}{2}$ " – 34- $\frac{1}{2}$ " door height: 2 hinges, over 34- $\frac{1}{2}$ " – 52- $\frac{1}{2}$ " door height: 3 hinges, over 52- $\frac{1}{2}$ " – 70- $\frac{1}{2}$ " : 4 hinges, over 70- $\frac{1}{2}$ " : 5 hinges.
- 8. Drawer Slides - Standard Drawers:
 - a. Single-extension, bottom-mounted, epoxy powder coated with positive in stop, out-stop and out-keeper, lift-out disconnect, stay-closed design.
 - b. Captive nylon rollers both front and rear.
 - c. 100 pound load rating.
 - d. Slide shall have a manufacturer's lifetime warranty.
- 9. Drawer Slides – File/Paper Storage Drawers: Full extension, three part progressive opening slide, 100 pound load rating, zinc plated or epoxy coated at manufacturer's option.

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- B. Pulls shall be satin aluminum bent wire style, 4" on center.
- C. Three-point locking handles, when provided, shall be installed in the field to prevent shipping damage to casework.
- D. Adjustable shelf supports to be twin pin design with anti-tip up shelf restraints for both ¾" and 1" thick shelves, and provide slot to mechanically fasten shelf to clip; load rating minimum of 300 pounds per support.
- E. Locks:
 - 1. Locks to be removable core, five-disc tumbler type. Cabinets to be keyed alike per room, each room keyed differently and master keyed, unless noted otherwise on drawings.
 - 2. Provide two keys per lock.
 - 3. A maximum of six master keys shall be provided when requested.

2.05 MISCELLANEOUS COMPONENTS

- A. Louvers and Grilles:
 - 1. Provide manufacturers standard louvers or grilles on doors where specified.
 - 2. Louvers are to be provided on each side of cabinet door opening to create a sealed uniform finish, where louvers are indicated on drawings: punched metal louvers with exposed sharp edges will not be permitted.
- B. Tote trays shall be tan-colored high-impact polystyrene with aluminum cardholder.
- C. Grommets: Provide grommets with covers at locations shown on drawings.

2.06 PLUMBING FIXTURES

- A. Stainless Steel Sinks and Miscellaneous Fittings:
 - 1. Project Standard: Sinks and fittings are based upon products manufactured by Just Manufacturing Company, 9233 King Street, Franklin Park, Illinois 60131.
 - 2. The specifications outline minimum material and construction standards.
 - 3. Only products meeting or exceeding this minimum standard shall be acceptable.
 - 4. The receiving of a bid does not necessarily indicate the manufacturer's standard product is acceptable.
 - 5. Acceptable Alternative Manufacturer:
 - a. Elkay Manufacturing Company
2222 Camden Court
Oak Brook, IL 60521
(708) 574-8484

Plastic-Laminate Casework Specifications

B. Epoxy Resin Sinks and Miscellaneous Fittings:

1. Project Standard: Sinks and fittings are based upon products manufactured by The Durcon Company, Inc., 1255 South Mill Street, Plymouth, Michigan 48170.
2. The specifications outline minimum material and construction standards.
3. Only products meeting or exceeding this minimum standard shall be acceptable.
4. The receiving of a bid does not necessarily indicate the manufacturer's standard product is acceptable.

C. Faucets and Fixtures:

1. Project Standard: Faucets and fixtures are based upon products manufactured by WaterSaver Faucet Company, 701 W. Erie Street Chicago, IL 60654 (312)-666-5500.
2. The specifications outline minimum material and construction standards.
3. Only products meeting or exceeding this minimum standard shall be acceptable.
4. The receiving of a bid does not necessarily indicate the manufacturer's standard fixtures shall be acceptable.

5. Acceptable Alternative Manufacturers (prior to bidding):

a. Wolverine Brass Company
2951 Highway 501 East
Conway, SC 29526
(800) 944-9292

b. Chicago Faucet Company
2100 Clearwater Drive
Des Plaines, IL 60018
(847)803-5000

D. Fume Hoods:

1. Project Standard: Fume hoods are based upon products manufactured by Air Master Systems Corporation, 6480 North Center Drive, Muskegon, Michigan 49441.
2. The specifications outline minimum material and construction standards.
3. Only products meeting or exceeding this minimum standard shall be acceptable.
4. The receiving of a bid does not necessarily indicate the manufacturer's standard fixtures shall be acceptable.

5. Acceptable Alternative Manufacturers:

a. Labconco Corporation
8811 Prospect Avenue
Kansas City, MO 64132
(800) 821-5525

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2.07 FABRICATION

A. Base Cabinets:

1. Non-exposed surfaces shall be faced with thermally fused melamine laminate.
2. Exposed surfaces shall be surfaced with high-pressure plastic laminate.
3. Sub tops and bottoms shall be $\frac{3}{4}$ " thick, edged with 0.020" PVC on front.
4. Backs to be $\frac{1}{2}$ " thick trapped in sides and sealed with hot-melt adhesive.
5. Side panels to be $\frac{3}{4}$ " thick, edged with 0.020" PVC on front edge.
6. External hanger rails, $\frac{3}{4}$ " thick and a minimum of 3" high, shall be mechanically fastened to sub top, bottom and both sides.
7. An intermediate rail shall be $\frac{3}{4}$ " thick x 4" melamine-(concealed interior) and high-pressure plastic laminate-(exposed interior) to be secured to cabinet sides with 8-mm hardwood dowels on 32-mm centers, glued and screwed.
8. Sub bases to be separate (no cabinet body sides-to-floor), water-resistant plywood with concealed fastening to cabinet bottom.

B. Wall Cabinets:

1. Non-exposed surfaces shall be faced with thermally fused melamine laminate.
2. Exposed surfaces shall be surfaced with high-pressure plastic laminate.
3. Tops and bottoms shall be 1" thick, edged with 0.020" PVC on front.
4. Backs to be $\frac{1}{2}$ " thick trapped in sides and bottoms and sealed with hot-melt adhesive.
5. Side panels to be $\frac{3}{4}$ " thick, edged with 0.020" PVC on top, bottom and front.
6. External hanger rails, $\frac{3}{4}$ " thick and a minimum of 3" high, shall be mechanically fastened to top, bottom and both sides of wall cabinets. Rails shall be located at top and bottom of cabinets.
7. Sub bases to be separate (no cabinet body sides-to-floor), water-resistant plywood with concealed fastening to cabinet bottom.

C. Tall Casework:

1. Non-exposed surfaces shall be faced with thermally fused melamine laminate.
2. Exposed surfaces shall be surfaced with high-pressure plastic laminate.
3. Tops shall be 1" thick edged with 0.020" PVC on front.
4. Bottoms and side panels shall be $\frac{3}{4}$ " thick edged with 0.020" PVC on front.

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5. Backs to be ½” thick trapped in sides and sealed with hot-melt adhesive.

6. External hanger rails, ¾” thick and a minimum of 3” high, shall be mechanically fastened to top, bottom and both sides of tall cabinets. Rails shall be located at top and bottom of cabinets.

D. Sink Cabinets:

1. Sink cabinets shall be constructed with vertical head rails at front and rear of cabinets in lieu of full sub tops.

2. Removable backs shall be provided for all sink cabinets.

E. Tops, bottoms, sub tops, intermediate rails, fixed partitions and fixed shelves where applicable to be glued and doweled to cabinet sides. Cabinets shall be clamped under pressure to insure joint integrity and unit squareness.

F. Cabinet Backs:

1. Exposed exterior backs to be ¾” thick particleboard faced with high-pressure plastic laminate.

2. Removable backs, where specified, shall be attached to cleats secured to the cabinet sides and bottoms. Back panels shall be secured in place with pan head screws.

G. Drawers:

1. Drawer sides, back and front shall be, ½” thick solid oak. Top edges shall be radiused and free of rough edges.

2. Drawer boxes shall be assembled with glued dovetail construction at all four corners.

3. Drawer bottoms shall be ¼” thick hardboard with finished surface of wear-resistant oak reversed-grain vinyl and trapped in grooved drawer box.

4. Underside of drawer to be sealed with a continuous bead of hot melt adhesive to enhance drawer integrity.

5. Reinforce drawer bottoms with a hardwood front-to-back intermediate underbody stiffener, hot melt glued and fastened; one above 24” and two at 42” and wider.

6. Separate plastic laminate drawer fronts shall be applied to completed drawer box assemblies.

7. Provide clip and rail hanging file system for legal or letter size as indicated by manufacturer’s model number.

H. Door and Drawer Fronts:

1. Hinged and sliding doors and drawer fronts shall be ¾” thick particleboard faced on both sides with high-pressure plastic laminate. Drawer fronts and hinged doors are to overlay the cabinet body, maintaining a reveal between doors and drawers.

2. Edging shall be 3mm PVC applied with hot-melt adhesive.

3. Sliding doors shall have a composite bottom track and top guide. Rollers shall be routed into bottom of door. Doors over 48” in height shall have an overhead aluminum track and bottom guide.

4. Framed doors, for glazed panels or tack board inserts, shall have ¾” thick hardwood frames faced on both sides with high-pressure plastic laminate. Glazed panels shall be ¼” thick tempered safety glass.

Plastic-Laminate Casework Specifications

5. Sliding glass doors shall be ¼" thick tempered safety glass, fitted into top and bottom aluminum tracks. Bottom tracks shall have rollers for smooth operation.

I. Adjustable Shelves

1. Non-exposed shelves shall be faced on both surfaces with thermally fused melamine laminate. Exposed shelves shall be faced on both surfaces with high-pressure plastic laminate.

2. Shelf thickness shall be 1".

3. Shelves shall be full depth and adjustable on 32mm (1-¼") increments.

4. Front edge of shelves shall be finished with 0.020" thick PVC, applied with hot melt adhesive.

J. Fixed Shelves:

1. Non-exposed shelves shall be faced on both surfaces with thermally fused melamine laminate. Exposed shelves shall be faced on both surfaces with high-pressure plastic laminate.

2. All non-supported fixed shelves and exposed shelves shall be 1" thick. All supported fixed shelves shall be ¾" thick.

3. Shelves shall be full depth and doweled to cabinet sides.

4. Front edges of shelves shall be finished with 0.020" thick PVC, applied with hot melt adhesive.

2.08 COLORS

A. Selected by Architect as provided by these specifications (in particular Paragraph 2.01.E).

PART 3: EXECUTION

3.01 INSTALLATION

A. Install casework, components and accessories under manufacturer representative's supervision whenever possible, using skilled labor especially trained for this work. Cabinets are to be installed in a professional and industry-accepted manner, including all scribes, moldings and necessary trim, complete and in operating condition according to outlined plans and specifications.

B. Set casework items plumb and square, securely anchored to building structure.

C. Furnish casework complete with trim strips, fillers, backs, etc., as may be required; all cutouts required for trim, sinks, etc., shall be made by the casework supplier.

D. Unless noted otherwise, furnish all sinks, faucets, bubblers, baskets, tailpieces, traps and gas cocks as shown on approved shop drawings for installation and hook-up by Plumbing Contractor.

E. Fume hoods and exhaust booths shall be pre-plumbed and pre-wired.

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- F. The HVAC Contractor will provide exhaust fans and motors.
- G. Field touch-up blemishes to original finish as approved and accepted by the Architect.
- H. Discard or remove and replace damaged members.

3.02 ADJUSTING

- A. Adjust doors, drawers, hardware and other moving or operating parts to function smoothly.
- B. Adjustable shelves shall be installed consistent with the shop drawings.

3.03 CLEANING

- A. All packaging material and installation related debris shall be placed in an owner provided dumpster on the construction site. The work area shall be left broom clean.
- B. Installer shall remove all pencil marks, adhesive and sawdust resulting from this work.
- C. Plastic laminate casework shall be cleaned inside and out to remove the installation related dust and debris.

3.04 PROTECTION OF INSTALLED CONSTRUCTION

- A. Protection of installed casework shall be the responsibility of the general contractor or owner's representative. The owner's representative shall provide materials and labor.

Wood Casework Specifications

PART 1: DESCRIPTION OF WORK

1.00 SUMMARY AND SCOPE

A. Section Includes:

1. All cabinets and casework, including tops, ledges, supporting structures, and miscellaneous items of equipment as listed in these specifications, or equipment schedules including delivery to the building, setting in place, leveling, scribing to walls and floors as required. Furnish and install all filler panels, knee space panels and scribes as shown on drawings.
2. Furnish and deliver all utility service outlet accessory fittings, electrical receptacles and switches, as listed in these specifications, equipment schedules or as shown on drawings as mounted on the laboratory furniture. Items shall be furnished with supply tank nipples and lock nuts, loose in boxes and properly marked. All plumbing and electrical fittings will be packaged separately and properly marked for delivery to the appropriate contractor.
3. Furnish and deliver, packed in boxes for installation by the mechanical contractor, all laboratory sinks, cup sinks or drains, drain troughs, overflows and sink outlets with integral tailpieces, which occur above the floor and where these items are part of the equipment or listed in the specifications, equipment schedules or shown on the drawings. Integral tailpieces when required shall be in accordance with the manufacturer's standards. All tailpieces shall be furnished less the couplings required to connect them to the drain piping system.
4. Furnish service strip supports and set in place service tunnels, service turrets, supporting structures and reagent racks of the type shown on the details.
5. Remove of all debris, dirt and rubbish accumulated as a result of the installation of the science casework to an onsite container provided by others, leaving the premises clean and orderly.

B. Related Divisions:

1. Divisions 5 & 6 : Behind-the-Wall Blocking and Studs
2. Division 9 : Base Molding
3. Division 11: Chemical Fume Hoods
4. Division 15 : Plumbing
5. Division 16 : Electrical Fittings and Connections

C. Related Publications:

1. Architectural Woodwork Institute, Architectural Woodwork Standards, Latest Edition
2. NFPA 30 – National Fire Protection Association
3. NFPA-45 - National Fire Protection Association

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4. UL - Underwriters Laboratory
5. ASTM D552 - Bending Test
6. Scientific Equipment & Furniture Association Casework Recommended Practices (SEFA 8)

1.01 BASIS OF WORK

- A. This specification uses Labscape majestic style (reveal overlay) as the standard of construction for science casework. The construction standards of this product line shall provide the basis for quality and functional installation.
- B. Supply all equipment in accordance with this specification. No alternates, deviations or exceptions to the specified construction or materials are allowed.
- C. The owner / owner representative reserves the right to reject qualified or alternate proposals and to award based on product value where such action assures the owner greater integrity of product.

1.02 QUALITY ASSURANCE

- A. The wood science casework contractor shall also provide work tops and fume hoods to assure proper staging, shipment and single source responsibility. .
- B. Each cabinet shall be foam and stretch wrapped to ensure cabinet surfaces are protected until the time of installation. Blanket-wrap is not allowed unless the blankets remain behind after delivery to assure the cabinets remain scratch-, grease- and dirt-free before installation.
- C. Majority of the wood used shall be from a certified sustainable source. Certification shall be by a third-source party, such as meeting the requirements of the Sustainable Forestry Initiative or the Forest Stewardship Council.

1.03 SUBMITTALS

- A. Submit manufacturer's data and installation instructions for each type of casework.
- B. Casework samples will be required and reviewed per specification. Samples shall be delivered, at no cost to the architect or owner, to a destination set forth by the architect or owner. This must be done seven (7) days before quotation deadline as a condition of approval of each bidder. Samples shall be full size, production type samples as will be delivered for the project. Furnish the following:
 1. One combination drawer and cupboard base unit, including one shelf.
 2. One sample of all top materials shown or called for.
 3. Sample of all mechanical service fittings, locks, door pulls, hinges, and interior hardware.

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- E. Submit shop drawings for furniture assemblies showing plans, elevations, ends, cross-sections, service run spaces, location and type of service fittings.
- 1. Coordinate shop drawings with other work involved.
- 2. Provide roughing-in drawings for mechanical and electrical services when required.

PART 2: PRODUCTS

2.00 MANUFACTURERS

- A. The basis of this specification is Labscape wood science casework. No exceptions, deviations or alternates to the specified construction or materials are allowed.
- B. Lifetime warranty: The selected manufacturer must warrant for the life of the product in the application and location installed, starting at the date of acceptance or occupancy, whichever comes first, that all products sold under the contract referenced above shall be free from defects in material and workmanship. Purchaser shall notify the manufacturer's representative immediately of any defective product. The manufacturer shall have a reasonable opportunity to inspect the goods. The purchaser shall return no product until receipt by purchaser of written shipping instructions from the manufacturer.
- C. All manufacturers must submit samples in accordance with this specification.
- D. The architect will impound the above samples of the successful manufacturer or owner to insure that material delivered to the jobsite conforms in every respect to the samples submitted.

2.01 MATERIALS

- A. This specification is to ensure wood cabinets specifically designed for the science environment.
- B. Hardwood shall be kiln-dried, clear, free of defects, and meet surface requirements as specified.
- C. Plywood shall be balanced construction and $\frac{3}{4}$ " 7-ply veneer core hardwood plywood for shelves, cabinet ends and bottoms of base and tall cabinets; 1" 9-ply veneer core hardwood plywood for shelves over 36", bottoms of wall and upper cabinets, and tops of wall, upper and tall cabinets; nominal $\frac{1}{2}$ " 9-ply veneer core plywood for drawer body; $\frac{3}{4}$ " 3-ply particleboard core plywood for cabinet doors and drawer heads. Plywood shall meet the standards of ANSI/HPVA HP-1-latest.
- D. Casework parts shall be as defined in AWI Architectural Woodwork Standards, latest edition.
- E. Exposed surfaces shall be hand selected plain-sliced, HPVA face grade Red Oak veneers and compatible Grade I Red Oak hardwood lumber. (All exterior surfaces are considered exposed, including end panels abutting other cabinets, wall or other objects, and the backs of doors. Cabinet backs are considered concealed unless visible to view.)
- F. Semi-exposed surfaces shall be hand selected HPVA face grade Birch veneers and compatible Grade II hardwood lumber.

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- G. Concealed surfaces shall be no less than HPVA grade D face or grade 3 back veneers and compatible mill option hardwood lumber.
- H. All visible edges will be edgebanded (min 3 mm for door/drawer fronts) with compatible hardwood Red Oak.
- I. Hardboard shall be 1/4" thick 55 lb. density hardwood chip fiberboard formed with heat and pressure into sheets providing a hard, smooth surface.
- J. Glass used for framed sliding and swinging doors shall be 3/16" tempered glass. Glass used for unframed sliding doors, shall be 1/4" tempered glass.
- K. Drawer and door pulls shall be satin finish, zinc coated wire type, 96 mm centers, offering a comfortable hand grip, and be securely fastened to doors and drawers. Two pulls shall be required on all drawers over 24" long.
- L. Hinges shall be BHMA Grade 1, five (5) knuckle institutional, .083" thick, offset type for all swinging doors. Hinges shall be 2- 1/2" long, one (1) pair for doors under 4 ft. in height and 1-1/2 pair on doors over 4 ft. in height. Hinges are mounted with flathead screws, so applied to door and cabinet to withstand a weight load of 150 lbs. minimum.
- M. Locks when shown or called for shall be a National Lock, 5-disc tumbler with heavy duty interchangeable cylinder. Exposed lock noses shall be dull nickel (satin). Locks shall have capacity for 200 primary key changes. Master key one level with the potential of 200 different, non-interchangeable master key groups.
- N. Roller catches shall be used on swinging doors. Catches shall have two spring-loaded polyethylene rollers and metal catch to secure doors. Double doors without locks shall have a catch on each door. Full height cases shall have 3-point latching devices. Magnetic catches are not allowed.
- O. Leg shoes shall be provided on all table legs, unless otherwise specified, to conceal leveling device. Shoes shall be 2-1/2" high and made of pliable, black rubber material. Use of a leg shoe, which does not conceal leveling device, will not be acceptable.
- P. Floor glides, where specified for movable open-leg tables, shall be a non-skid material at least 1" diameter to prevent indenting composition flooring and shall have at least a 5/8" height adjustment. Use of metal buttons will not be acceptable.
- Q. Dowels used to join frames and panels shall be fluted hardwood not less than 8 mm in diameter. Pre-glued dowels are not acceptable unless supported with non-visible mechanical fasteners; otherwise only wet glue is to be used to ensure adhesion.
- R. Shelf support clips shall be "seismic" twin pin type for mounting on interior of cabinet work. Clips shall be corrosion resistant and shall retain shelves from accidental removal. Shelves in all cabinets are adjustable on 32mm centers. Single pin support clips and surface mounted metal support strips and clips subject to corrosion are not acceptable.
- S. Base molding shall be provided by others.
- T. Upright rods, cross rods, and ring support rods, where specified, shall be aluminum (1/2" or 3/4" dia., as required). Rod sockets shall be aluminum, secured through table tops with lock nut and washer. Rod clamps shall be heavy duty, designed to securely hold rod assembly in any position. Use of wood rod assemblies will not be accepted.
- U. Label holders, where shown or called for, shall be a zinc-plated steel, brad-attached type with satin finish and designed for 2" x 1" cards.
- V. Number plates, where shown or called for, shall be aluminum brad-attached type with satin finish and indented black lettering.

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W. Sink supports, where required, shall be of a cradle type consisting of two 1-1/2" x 3/4" horizontal cleats and adjustable leveling bolts or glides. The horizontal cleats shall be supported by two 1/8" x 1-1/2" angle irons attached to the cabinet end panels.

2.02 CONSTRUCTION

- A. Open-leg Tables: Legs shall be Red Oak hardwood construction, 2-1/4" square with 1/4" radius on all corners. Legs shall be secured to the apron frame by a heavy-duty corner bolt and a 13-gauge steel corner brace. Corner braces shall be locked into apron rails by accurately located grooves and shall be securely fastened with screws. All apron rails shall be 13/16" thick solid Red Oak. Top shall be attached using zinc coated screws through pocket holes in the apron. Leg stretchers, where required, shall be 7/8" x 2-1/2", secured with a 4" long through-bolt.
- B. Base Cabinets shall consist of the following minimum construction:
1. Joinery must meet AWI Premium Grade requirements.
 2. End panels are multiple doweled on 64mm centers and glued to sub-top, intermediate rails and bottoms.
 3. Cabinet bottoms shall be multiple doweled on 64mm centers and glued to end panels.
 4. Toe space shall be 4" high and fully enclosed.
 5. Edging shall be provided on the front edges of ends, bottoms, tops and shelves, and on all four edges of door and drawer fronts.
 6. Sub-top panel shall be 3/4" veneer core plywood, multiple doweled on 64mm centers, screwed and glued to end panels.
 7. Intermediate rails (3/4" x 2-1/2" hardwood per parts definition) shall be multiple doweled and glued to end panels at the front of the cabinet between drawers and between drawers and doors.
 8. Screw strips (3/4" by 3" veneer core hardwood plywood) shall be located at the top and bottom behind the cabinet back and multiple doweled to the cabinet ends.
 9. Hardboard cabinet backs shall be fully captured and dadoed into end panels and bottoms, with full perimeter gluing around the rear of the back. Where a removable back is indicated, it shall be an additional piece applied to cover an opening that is added to the fully captured back. (Backs are to meet the visual requirement of cabinet parts.)
 10. Shelves shall be 3/4" thick in cabinets less than 36" wide, 1" thick in all cabinets 36" wide and greater. (Front edges of shelves are to meet the visual requirement of cabinet parts.)
 11. Drawer box shall be:
 - a) Four-sided (sub-front, sides and back) of nominal 1/2" thick, 9-ply Baltic Birch plywood.
 - b) Adjacent panels shall be joined by fully glued multiple dovetail joinery all four corners.
 - c) Drawer box shall fill drawer opening vertically as much as is possible and still allow removal of the drawer.
 - d) Drawer box front-to-back depth must extend to within 1-1/2" of the cabinet back panel.
 - e) Drawer bottom (6mm on drawers under 42" wide, 12 mm on larger drawers) shall be dadoed into all four drawer box sides with full perimeter gluing on the underside.

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12. Door and drawer heads shall be 3/4" thick plywood with edging as specified to resist warping. Reveals shall be 1/4" between door and drawer heads and 1/2" on end panels. Face veneer grain shall be matched vertically on doors and drawer heads on each individual cabinet.
13. Drawer slides shall be full extension, easily removable with a 100 lb. dynamic load rating and nylon roller bearings, powder coated surfaces, self-closing and with hold-open feature. File drawers shall be full extension, 150 lb. dynamic load rating mounted to the drawer sides.

C. Full Height Sliding Door Cases:

1. Shall be designed and constructed for full enclosure to assure dust proofing of the interior.
2. Tops shall be 1" thick plywood, multiple doweled into end panels, secured with glue.
3. A double extruded aluminum track shall be attached to the case top for suspension system when sliding doors are called for. Doors shall be suspended from an adjustable hanger and glide on nylon roller wheels. An aluminum U-channel is located on the case bottom to guide the bottom of the doors.
4. Solid panel doors shall be 3/4" thick plywood with edging as specified.
5. Glazed doors shall have 2-3/4" x 3/4" thick framing, mortised, tenoned, and glued. Glass shall be set into door frame and secured with a plastic retainer.
6. Doors shall be removable without use of tools, and so designed to prevent by-passing.
7. Shelves shall be 3/4" thick in cabinets less than 36" wide, 1" thick in all cabinets 36" wide and greater.
8. To assure a rigid case, the center shelf is structurally joined to the end panels and glued.
9. Case bottoms shall be 3/4" thick plywood, multiple doweled and glued securely to end panels.
10. Fastening cleats, top and bottom, 3/4" x 3" plywood, shall support and strengthen all joints.
11. Toe space, 2-1/4" deep x 4" high, shall be totally enclosed by a 3/4" x 4" plywood rail.
12. Backs in open and glazed door cases shall be 1/4" plywood; backs not exposed to view shall be 1/4" high-density fiberboard.
13. Case interior shall be flush.

D. Full Height Swinging Door Cases: General construction features shall be the same as for sliding door cases except for the following:

1. Doors shall overlap opening on all four sides
2. Astragal applied to left hand door shall provide further dust proofing.

E. Wall-Hung Sliding Door Cases: General construction features shall be the same as for full height type cases with the following exception:

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1. Case bottoms shall be 1” thick plywood, multiple doveled on 64mm centers and glued securely to end panels.
- F. Wall Hung Swinging Door Cases: Construction and materials shall be the same as for sliding door cases with the following exceptions:
 1. Panel or glass framed doors shall be hung on 1 pair of offset, institutional type hinges under 48” in height. Doors on cases 48” high shall have 1-1/2 pair of offset, institutional type hinges.
 2. All doors shall overlap opening four sides.
 3. Astragal applied to left hand door shall provide further dust proofing.

2.03 FINISH AND PERFORMANCE REQUIREMENTS

- A. Wood Surface Preparation: Prior to application of the wood finish, case and cabinet surfaces shall be smoothly sanded to remove loose fibers, scratch marks and abrasions, with all dust thoroughly removed by compressed air.
- B. Wood Stain Color: Clear coated, natural wood finish.
- C. Wood Finish Application: High solids, cross-linked, ultraviolet light (UV) cured “flat-line” coating developed for durability, including abrasion, chemical (acid, alkali and solvent), water, impact and scratch resistance, for flat-line applications. Coatings shall have little or no VOCs. Finish shall meet both AWI section 1500 and SEFA 8-W-2010 requirements.
- D. Finish shall be applied to cabinet parts prior to assembly in order to assure uniform coverage.

2.04 WORKSURFACES

- A. Materials: 1” Epoxy Resin, with alternate for ¾” phenolic resin.

2.05 SINKS CUPSINKS, AND DRAINS

- A. Sinks: Molded Epoxy Resin or polyolefin.

2.06 FITTINGS

- A. WaterSaver brand or equivalent
- B. Materials: Chrome-plated red brass or bronze
- C. Construction:

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1. Valves:

a. Front-loaded valves

- 1) Water
- 2) Ball valve dry service

b. Rod-driven remote control valves for fume hoods

- 1) Water
- 2) Needle valve dry service

2. Water Outlets

- a. Goosenecks
- b. Aerator outlets
- c. Tank nipples
- d. Sink outlets

3. Miscellaneous

- a. Crumb cup strainers
- b. Vacuum breakers

PART 3: EXECUTION - LABORATORY CASEWORK AND RELATED PRODUCTS

3.00 SITE EXAMINATION

- A. The owner and/or his representative shall assure all building conditions conducive to the installation of a finished goods product; all critical dimensions and conditions previously checked have been adhered to by other contractors (general, mechanical, electrical, etc.) to assure a quality installation.

3.01 INSTALLATION

- A. Preparation: Prior to beginning installation of casework, check and verify that no irregularities exist that would affect quality of execution of work specified.
- B. Coordination: Coordinate the work of the Section with the schedule and other requirements of other work being performed in the area at the same time both with regard to mechanical and electrical connections to and in the fume hoods and the general construction work.

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C. Installation shall be completed in accordance with SEFA 2-2010.

D. Performance:

1. Casework:

- a. Set casework components plumb, square, and straight with no distortion and securely anchor to building structure. Shim as required using concealed shims.
- b. Screw continuous cabinets together with joints flush, tight and uniform, and with alignment of adjacent units within 1/16" tolerance.
- c. Secure wall cabinets to solid supporting material, not to plaster, lath or gypsum board.
- d. Abut top edge surfaces in one true plane. Provide flush joints not to exceed 1/8" between top units.

2. Work surfaces:

- a. Where required due to field conditions, scribe to abutting surfaces.
- b. Only factory prepared field joints, located per approved shop drawings, shall be permitted. Secure the joints in the field, where practical, in the same manner as in the factory.
- c. Secure work surfaces to casework and equipment components with materials and procedures recommended by the manufacturer.

E. Adjust and Clean:

1. Repair or remove and replace defective work, as directed by owner and/or his representative upon completion of installation.
2. Adjust doors, drawers and other moving or operating parts to function smoothly.
3. Clean shop finished casework; touch up as required.
4. Clean work surfaces and leave them free of all grease and streaks.
5. Casework to be left broom clean and orderly.

F. Protection:

1. Provide reasonable protective measures to prevent casework and equipment from being exposed to other construction activity.
2. Advise owner and/or his representative of procedures and precautions for protection of material, installed laboratory casework and fixtures from damage by work of other trades.

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