

Table of Contents

1.0 INTRODUCTION		5
2.0 USER INTERFACE OVERVIEW		6
2.1 Opening Splash Screen		6
2.2 User Interface		7
2.2.1 Open File Tabs	8	
2.2.2 New Tab	8	
2.2.3 Ribbon Tabs & Panels	9	
2.2.4 Quick Access Laver Toolbar	9	
2.2.5 Menu Browser		
2.2.6 Laver Properties Manager Palette		
2.2.7 Properties Palette		
2.2.8 Quick Properties Palette		
2.2.9 External Reference Palette		
2.2.10 Command Line Autofill with PostalCAD Help		
2.2.11 Status Bar Buttons		
2.2.12 Right-Click Shortcut Menus		
3.0 POSTAL CAD RIBBON OVERVIEW		15
		. 10
3.1 FILE TAB		. 15
3.1.1 File Management Panel		
3.1.2 Clippoard Panel		
3.1.3 Printing Panel		40
3.2 DRAW TAB		. 16
3.2.1 Drawing Panel		
3.2.2 Linework Panel		
3.2.3 Hatch Panel		
3.2.4 Revision Panel		47
3.3 MODIFY TAB		. 17
3.3.1 Modify Objects Panel.		
		40
3.4 ANNOTATE LAB		. 18
3.4.1 Text Panel		
3.4.2 Dimensions Panel		
3.4.3 Leaders Tools Panel		
3.4.4 Tables Panel		
3.4.5 Styles Panel	19	~~
3.5 BLOCKS TAB		. 20
3.5.1 Block Tools Panel	20	
3.5.2 Modify Blocks Panel	21	
3.5.3 Attributes Panel	21	~ .
3.6 XREF I AB		. 21
3.6.1 Xref Tools Panel	22	
3.6.2 PDF Tools Panel	22	
3.6.3 Image Tools Panel	22	
3.7 LEAN 1AB		. 22
3.7.1 Staging Tools Panel	23	
3.7.2 Sign Tools Panel	23	
3.7.3 Modify Signs Panel	23	-
3.8 CREATE TAB		. 23

	3.8.1 Workroom Floor Entities Panel	.24	
	3.8.2 Architectural Elements Panel	.24	
	3.8.3 Symbols Panel	.24	
	3.9 Spaces Tab		. 24
	3.9.1 Create & Tag Spaces Panel	.25	
	3.9.2 Space Management Tools Panel	.25	
	3.9.3 Affinity Analysis Panel	.25	
	3.9.4 Transport Work Analysis Panel	.25	
4	3.10 Pages Tab		. 26
	3.10.1 Viewports Panel	.26	
	3.10.2 Titleblocks Panel	.26	
	3.10.3 Layout Tabs Panel	.26	
	3.10.4 Evacuation Routes Panel	.26	
	3.11 CLEANUP TAB		. 27
	3.11.1 Cleanup Tools Panel	.27	
	3.11.2 Fix Lavers Panel	.27	
	3.11.3 Fix Text Panel	.27	
	3.11.4 Fix Blocks Panel	.27	
	3.12 DISPLAY TAB		. 28
	3.12.1 Viewing Panel	.28	
	3.12.2 User Interface Panel	.28	
	3.12.3 Palettes Panel	.28	
	3.13 TOOLS TAB		. 28
	3.13.1 Utilities Panel	.29	
	3 13 2 Selection Tools Panel	.29	
	3.13.3 Resources Panel	.29	
10		.29	30
4.0	3.13.3 Resources Panel	.29	. 30
4.0	3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons	.29 .30	. 30
4.0	3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box	.29 .30 .30	. 30
4.0	3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button	.29 .30 .30 .30	. 30
4.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 	.29 .30 .30 .30 .31	. 30
4.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 	.29 .30 .30 .30 .31 .31	. 30
4.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 	.29 .30 .30 .31 .31 .31	. 30
4.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 	.29 .30 .30 .31 .31 .31 .31	. 30
4.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31	. 30
4.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 4.8 Lock or Unlock Layer(s) Cascade Button 4.9 Save or Restore Layer States Cascade Button 	.29 .30 .30 .31 .31 .31 .31 .31 .31 .31	. 30
4.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31 .31 .31 .31	. 30
4.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31 .31 .31 .32 .32	. 30
4.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31 .31 .31 .32 .32	. 30
4.0 5.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32	. 30
4.0 5.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32	. 30 . 33 . 33
4.0 5.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 4.8 Lock or Unlock Layer(s) Cascade Button 4.9 Save or Restore Layer States Cascade Button 4.10 Layer States control box 4.11 Match Properties Button NEW TOOLS IN POSTALCAD 2015 5.1 New INTEGRATION 	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32	. 30 . 33 . 33 . 33
4.0 5.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31 .32 .32 .32	. 30 . 33 . 33 . 33
4.0 5.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 4.8 Lock or Unlock Layer(s) Cascade Button 4.9 Save or Restore Layer States Cascade Button 4.10 Layer States control box 4.11 Match Properties Button NEW TOOLS IN POSTALCAD 2015 5.1 New INTEGRATION 5.2 New Tools 5.2.1 Home Tab>Hatch panel 5.2.2 Draw Tab>Hatch panel 	.29 .30 .30 .31 .31 .31 .31 .31 .32 .32 .32 .33 .33 .33	. 30 . 33 . 33 . 33
4.0 5.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 4.8 Lock or Unlock Layer(s) Cascade Button 4.9 Save or Restore Layer States Cascade Button 4.10 Layer States control box 4.11 Match Properties Button NEW TOOLS IN POSTALCAD 2015. 5.1 New INTEGRATION 5.2 New Tools 5.2.1 Home Tab>Hatch panel 5.2.2 Draw Tab>Hatch panel 5.2.3 Modify Tab> Modify Objects Panel 	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32 .32 .33 .33 .33 .33	. 30 . 33 . 33 . 33
4.0 5.0	3. 13.3 Resources Panel 9 POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW. 4.1 Left Three Buttons 4.2 Layer Control Box. 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 4.8 Lock or Unlock Layer(s) Cascade Button 4.9 Save or Restore Layer States Cascade Button 4.10 Layer States control box. 4.11 Match Properties Button 5.1 NEW TOOLS IN POSTALCAD 2015. 5.1 NEW INTEGRATION 5.2.2 Draw Tab>Hatch panel 5.2.3 Modify Tab> Modify Objects Panel. 5.2.4 Modify Tab> Modify Geometry Panel>Draw Order 5.2 Annetato Tab> Addify Geometry Panel>Draw Order	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32 .32 .33 .33 .33 .33 .33	. 30 . 33 . 33 . 33
4.0 5.0	 3.13.3 Resources Panel POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW. 4.1 Left Three Buttons. 4.2 Layer Control Box. 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button. 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 4.8 Lock or Unlock Layer(s) Cascade Button 4.9 Save or Restore Layer States Cascade Button 4.10 Layer States control box. 4.11 Match Properties Button NEW TOOLS IN POSTALCAD 2015. 5.1 New INTEGRATION 5.2.1 Home Tab>Hatch panel. 5.2.2 Draw Tab>Hatch panel. 5.2.3 Modify Tab> Modify Objects Panel 5.2.4 Modify Tab> Modify Geometry Panel>Draw Order. 5.2.5 Annotate Tab>Text Panel>Align> 	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32 .32 .33 .33 .33 .33 .33	. 30 . 33 . 33 . 33
4.0 5.0	3. 13.3 Resources Panel 9 POSTALCAD QUICK ACCESS LAYERS TOOLBAR OVERVIEW 4.1 Left Three Buttons 4.2 Layer Control Box 4.3 Pick Current Layer Button 4.4 Filter Layers Cascade Button 4.4 Filter Layers Cascade Button 4.5 Turn Layer(s) On or Off Cascade Button 4.6 Freeze or Thaw Layer(s) Cascade Button 4.7 Isolate Layer(s) Cascade Button 4.8 Lock or Unlock Layer(s) Cascade Button 4.9 Save or Restore Layer States Cascade Button 4.10 Layer States control box 4.11 Match Properties Button 5.2 NEW TOOLS IN POSTALCAD 2015 5.1 NEW INTEGRATION 5.2.2 Draw Tab>Hatch panel 5.2.3 Modify Tab> Modify Objects Panel 5.2.4 Modify Tab> Modify Geometry Panel>Draw Order 5.2.5 Annotate Tab>Dimensions Panel>*Dim Layer 5.2 Ricks Tab>Bitck Tools Panel	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32 .32 .33 .33 .33 .33 .33 .33 .33	. 30 . 33 . 33 . 33
4.0 5.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32 .33 .33 .33 .33 .33 .33 .33 .33	. 30 . 33 . 33 . 33
4.0 5.0	 3.13.3 Resources Panel	.29 .30 .30 .31 .31 .31 .31 .31 .31 .32 .32 .33 .33 .33 .33 .33 .33 .33 .33	. 30 . 33 . 33

5.2.10 LEAN Tab>Staging Tools Panel	35	
5.2.11 LEAN Tab>SIGN Tools Panel	35	
5.2.12 Create Tab>Workroom Floor Entities Panel	36	
5.2.13 Create Tab>Architectural Elements Tools Panel	36	
5.2.14 Spaces Tab>Create & Tag Spaces Panel	36	
5.2.15 Spaces Tab>Transport Work Analysis Panel>WSU Tagging	36	
5.2.16 Pages Tab>Layout Tabs Panel	36	
5.2.17 Pages Tab>Evacuation Routes Panel	36	
5.2.18 CLeanup Tab>CLeanup Tools Panel	36	
5.2.19 CLeanup Tab>Fix Layers Panel	36	
5.2.20 CLeanup Tab>Fix Blocks Panel	37	
5.2.21 Display Tab>User Interface Panel	37	
APPENDIX A – SYSTEM REQUIREMENTS		38
APPENDIX B – POSTALCAD 2015 INSTALLATION		38
APPENDIX C – POSTALCAD TRAINING		39

1.0 Introduction

PostalCAD 2015 is the newest release of proprietary USPS CAD software used for documenting large scale processing plants, stations and branches. The 2015 release integrates directly into the *Autodesk Map 3D 2015* software.

The *PostalCAD* 2015 Ribbon layout streamlines your work process for easily creating, documenting and analyzing your facility drawing. The *2015* Ribbon layout groups tools together at the top of the screen, making them easy to access. Once the new layout of the Ribbon is learned, workflow time is reduced significantly and users become more productive.

Experienced users have seen changes to the *PostalCAD* interface in releases over the years. *PostalCAD 2015* ensures that all legacy commands and tools are still active and the keyboard shortcuts many users have learned are still valid, making the transition as smooth as possible.

Several highlights of this release are a revised Library Manager layout that makes working with standardized equipment blocks a simple double-click exercise. Dynamic blocks are being used for many mechanized equipment sets and annotation symbols making the library more versatile. All new Lean tools have been added for documenting 5S and staging areas. Advanced Affinity Analysis and Transport Work tools are now simpler to use for optimizing workflows. The standard file format for drawings using the *PostalCAD 2015* release is 2010. Users with 2012 version software will be able to open files saved in *PostalCAD 2015*.

Please take the time to thoroughly read through the *Features* list, which outlines the new application format for tools and utilities.

PostalCAD 2015 is integral to the installation of *AutoCAD Map 3D 2015 64 bit* on an USPS ACE 3 computer. Read the Installation Guide Appendix B for further information on obtaining this new release of *PostalCAD 2015*.

2.0 User Interface Overview



(PostalCAD 2015 interface)

2.1 Opening Splash Screen

AutoCAD Map 3D 2015 starts with a splash screen that informs the user the software is initializing.



(Opening Splash Screen for AutoCAD Map 3D 2015)

Once the software has finished loading, the PostalCAD 2015 workspace is available.

2.2 User Interface

PostalCAD 2015 has a Ribbon layout developed for use with AutoCAD Map 3D 2015.

- 1. Open drawing tabs are at the top of the drawing window and can be toggled on or off.
- 2. Layer Properties Manager has new features.
- 3. Command line is more dynamic. Command line options for commands can now be selected with the mouse. Auto-fill helps find commands quicker.
- 4. Template files are available for any type of project. Layout tabs in *PostalCAD* templates have standard paper sizes setup to create PDF files.
- 5. The *PostalCAD* Ribbon has been rearranged to include new tools and interface options. The File, Draw, and Lean tabs have been added. The Home, Layers, and the Print & Send tabs from the 2012 version have been removed.
- 6. Quick Access toolbar is below the Ribbon and contains all the Layer tools.
- 7. The External References palette is now showing by default
- 8. Status bar icons have moved to the lower right section of the application window and no longer have the option to show text labels for their functions. These buttons can be toggled on or off visually.
- 9. The overall color scheme has been darkened to create less of an eye strain for users. *Autodesk* studies have proven that a darker interface and background color is less likely to incur fatigue and eye strain over prolonged periods of looking at the screen.
- 10. Command line defaults to only three rows total. One active command line and only two lines of history. Press the F2 key will expand the area.



(The new 2015 PostalCAD workspace)

2.2.1 Open File Tabs

0 rát

The open file tabs are used to go between multiple open drawings. Each individual tab can go to any existing tab within the selected file by hovering over the tab for more than one second and choosing the appropriate tab from that file. The file tabs have a right-click menu to access common file tools and to open the New Tab interface.

ning2	Drawing3	New Tab	14240PDC Buffalo - Fin	e evac* 14240PDC Buffalo - MOD*	14240PDC Duffalo - Worksoom*	08031PDC South Jensey - Signage' +
No.	Model	PE42-Rbute C	FE-03-Route D		FEOL-TOUR # 8-8	
			(Right-cli	ck menu of open	file tabs)	
			Drawing	New Tab		
				New		
				Open		
				Save		
				Save As		
				Save All		
				Close		
				Close All		
				Close All Except This	Tab	
				Copy Full File Path		
				Open File Location		

(Right-click menu of open file tabs)

2.2.2 New Tab

The New Tab screen allows users to choose from several options for opening a template or existing drawing file.



(New Tab layout)

The Get Started area of the New Tab screen has an area for choosing the new PostalCAD 2015 templates for theme specific drawings.



(Get Started area of New Tab)

2.2.3 Ribbon Tabs & Panels



(The new Ribbon layout, quick access tools, and the menu browser button)

The Ribbon is organized by grouping common tools for a given set of tasks into separate tabs. These tabs replace menu pull-downs. Each tab contains themed panels that organize tasks by entity type or criteria. The tabs, and corresponding panels within each tab, are reviewed in depth later in this document.

2.2.4 Quick Access Layer Toolbar

A Quick Access Layer toolbar is always visible and contains all of the layer tools. The expandable layer control section is now much wider to accommodate longer layer names.



(Quick Access Layer toolbar with layer control box expanded)

2.2.5 Menu Browser

The large button with a 3D blue cone, in the top left corner of the application window, expands the limited *AutoCAD Map 3D 2015* menu browser items and shows the last 9 files opened in the recent documents area. The recent files list can be changed to a Quick Preview mode showing image previews of files rather than a textual list with similar icons. Users can switch between recent files and open files for the preview area.



(Menu Browser with recently used files shown as large icons and with open files)

2.2.6 Layer Properties Manager Palette

The Layer Properties Manager is in an anchored palette format. The *PostalCAD* workspace anchors this palette to the left side of the drawing window for easy access and use. Simply move the cursor over the anchored palette and the palette expands for use.

	× × ×	Current layer: X-REF		9 <i>9</i>											Search for layer	•
		Filters	« Status	Name		Freeze	Lock		Linetype	Lineweight	Transparency	Plot Style		New VP Freeze	Description	*
		te 🍠 All	-	M-AFSM100			-	green	CONTINUOUS	Default			-	1		
		🛱 All Used Layers		M-AFSM100-AI			5	40	CONTINUOUS	0.000"			-	E.		
		PostalCAD All Layers		M-AFSM100-AI-CONV			-	🗖 magenta	CONTINUOUS	0.000"			-	1		
		PostalCAD Non-Xref Layers		M-AFSM100-HATCH	2	-	f	green	CONTINUOUS	Default			-			
		PostalCAD Xref Layers		M-AFSM100-PRS	•		5	📃 green	CONTINUOUS	0.000"				1		
		u Kret		M-AFSM100-TEXT			f	150	CONTINUOUS	Default		Color_150		1		
				M-AISLE	2			40	CONTINUOUS							
				M-AISLE-HATCH			f	40	CONTINUOUS	Default			-			
				M-APPS	•	*	5	green	CONTINUOUS	Default			-	1		
14				M-ASD_BANDER		-	f	23	CONTINUOUS	Default				P		
age				M-ATHS		*	5	green	CONTINUOUS	Default				E		
an				M-COMMUNICATIONS	2		£	yellow	CONTINUOUS	Default			=	P		
2				M-DBCS	•	*	6	🔲 green	CONTINUOUS	Default			-	1		
ŧ				M-DBCS-DIOSS	1		5	📃 green	CONTINUOUS	Default			-	P		
do				M-DBCS-LABEL		*	6	green	CONTINUOUS	Default				E		
E F				M-DBCS-OSS	2	-	-	green	CONTINUOUS	Default			=	1		
Se .				M-DBCS-OSS-ECA	•		5	green	CONTINUOUS	Default			÷	P		8
-				M-DBCS-STAGING		*	5	green	HIDDEN	Default				P		
				M-DBCS-TEXT			f.	150	CONTINUOUS	Default				<u> </u>		
				M-DEPALITIZER-TEXT	2		5	150	CONTINUOUS	Default					AUTOCAD	
				M-DPRC	•		-	🔲 green	CONTINUOUS	Default			-	1		
	ER			M-ELECTRICAL			5	red	CONTINUOUS	Default			-	1		
	AAC			M-HS Guardrail Double			-	green	CONTINUOUS	Default				P		
	AA!			M-HS GUARDRAIL SINGLE			dí l	magenta	CONTINUOUS	Default			÷	1		
. 1	SN			M-HS GUARDRAIL SINGLE R			-	30	CONTINUOUS	Default			=	F _		
	E T			M-ID		*	-	134	CONTINUOUS	Default				1		
	B			M-IDR	•		-	green	CONTINUOUS	0.000"			-	1		
	PRO			M-INDEX	2	-	f	150	CONTINUOUS	Default			-	1		
	с£	Invert filter		M-LCREM	1			150	CONTINUOUS	Default			÷	5		
	Ā			MALI CREMATEYT				150	CONTINUOUS	Nofault						

(Expanded Layer Properties Manager Palette)

2.2.7 Properties Palette

The Properties palette is in an anchored format like the Layer Properties Manager palette. The *PostalCAD* workspace anchors this palette to the right side of the drawing window along with the External References palette for easy access and use. Simply move the cursor over the anchored palette and the palette expands for use.

Block Reference			- 🗳 -	∲ - ¶∦	Þ	
General				-	*	
Color	ByLayer					
Layer	M-APPS					
Linetype	and the second s	- ByLayer				
Linetype scale	1.00000					in.
Plot style	ByColor					arbie
Lineweight –		ByLayer				rop
Iransparency	ByLayer					۰.
2D Visualization				-		
Material	Byl aver					
Geometry	- Judyer					
Decition V	7991 1 21/3	10"		_		
Position V	281'-1 3/4"	-				
Position 7	0"					_
Scale X	1.00000					
Scale V	1.00000					
Scale Z	1.00000					
Misc				-		
Name	apps156 ou	tputs				
Rotation	0					ces
Annotative						iren
Block Unit	Unitless					Refe
Unit factor						nal
						xter
						-
					ES	
					ERTI	
					COPI	
					PP	

(Properties Palette)

2.2.8 Quick Properties Palette

The Quick Properties palette is a floating palette that contains only the most common properties that change. This palette floats near the selection set and is object sensitive. The palette can be toggled on or off from the status button area in the lower right corner of the application screen. *PostalCAD 2015* shows only the most common properties of entities that need to be modified.

10000	Polyline	
*	Layer Thickness Global width Area Length Closed	A-PLATFORM 0" 0" 145037,32717 sq. in. (1007.203 151'-11.9/16" Yes

(Floating Quick Properties palette)

2.2.9 External Reference Palette

The External References palette is in an anchored format like the Layer Properties Manager palette. The *PostalCAD 2015* workspace anchors this palette to the right side of the drawing window along with the Properties palette for easy access and use. Simply move the cursor over the anchored palette and the palette expands for use. This palette contains all the creation and editing tools with the properties of all external references in a drawing.

Note: Externally referenced *AutoCAD* files are commonly referred to as Xref's. Many of these tools and the *PostalCAD* toolset for external references can be found in the Xref tab.

									-
File Referer	ices							ii 18	
Reference	e Name		Status	Size	Туре	Date	Saved Path		
08031PDC 08031PDC 08031PDC 08031PDC	South Jersey - Architectur South Jersey - Electrical South Jersey - Phone South Jersey - Site		Loaded Loaded Loaded Unloaded	329 KB 92.9 KB 159 KB	Overlay Overlay Overlay Overlay	4/7/2015 10:41:06 AM 4/7/2015 10:41:19 AM 4/7/2015 10:41:32 AM	.\Final\08031PDC South Jersey - Architecture.dwg .\08031PDC South Jersey - Electrical.dwg .\08031PDC South Jersey - Phone.dwg .\08031PDC South Jersey - Site.dwg	3	
Details Reference Status	08031PDC South Jersey - Loaded	Archite	cture				6	2 -	
Details Reference Status Size	08031PDC South Jersey - Loaded 329 KB	Archite	cture				e c	-	
Details Reference Status Size Type Date	08031PDC South Jersey - Loaded 329 KB Overlay 4772015 10-41-06-414	Archite	cture				e c	-	53
Details Reference Status Size Type Date Found At	08031PDC South Jersey - Loaded 329 k8 Overlay 4/7/2015 10:41:06 AM C:\-Neosys\2015\Trainin	Archite	cture Thumb DriveN	Poad Plant	Layout\08	031PDC South Jersey -	€ E	-	ences

(External Reference Palette)

2.2.10 Command Line Autofill with PostalCAD Help

The 2015 command line has an extended auto-fill capability. A full range of selections are presented that includes all the keyboard shortcuts for both *AutoCAD* tools and *PostalCAD* tools. *PostalCAD* help panels will appear when users hover over the related keyboard shortcut. The auto-fill creates a history of the most used commands and will default to those listings first.



(Command line auto-fill with an extended PostalCAD help window)

2.2.11 Status Bar Buttons

Status Bar buttons are located in the lower right corner of the application window. The buttons no longer have the ability to toggle between a textual label or an icon. A new Xref status icon will appear when a file has an external reference file attached. Users can visually suppress this bar to gain more screen size.



2.2.12 Right-Click Shortcut Menus

PostalCAD 2015 has added the Ortho mode toggle to all right-click shortcut menus, where appropriate. The main context menus have been organized to give users a compact set of tools for common tasks. A new selection menu contains all of the *PostalCAD* tools associated with selection filters and complimentary tools.

The *PostalCAD 2015* right-click menu offers a condensed set of tools for the most common drafting tasks. New for 2015 are the addition of more blocks and the addition of tools for working with external references. Right clicking after a selection set has been created shows standard editing commands and the Move 1000' commands.

Repeat '.ZOOM Recent Input			Repeat RECTANGLE Recent Input	
Toggle Ortho	Ctrl +L		Polyline	
- Zoom Window			Clipboard	
🔗 Set Current Layer 🐔 Make USPS Layer		+2+	Toggle Ortho Move	Ctrl +L
餐 Freeze 冕 Isolate 冕 Unisolate			Move 1000' Move Back Copy Erase	
∠ Line ⇒ Polyline ⊏ Rectangle			Rotate Array Scale	
AI Single Line Text ⊢ Dimension, Linear			Draw Order Quick Properties	*
발 Library Manager ಎ Insert Block 둭 Make Block		巴 (Right-click,	Properties no command active,	and objects
لاته Attach Xref ™ Unload Xref ™ Reload Xref				
や Undo Pan and Zoom Redo	xCtrl +™			
QuickCalc				

The shift+ right-click menu has been reorganized to present object snap overrides. The ctl+rightclick menu contains all of the selection filtering tools and the selection filters can now be used transparently when other commands are active prompted for selecting objects.

-	From	FROM
1	Endpoint	END
×	Intersection	INT
1	Midpoint	MID
	Midpoint of 2 points	(XPTS)
1	Perpendicular	PER
0	Center	CEN
0	Quadrant	QUA
Ð	Tangent	TAN
B	Insert	INS
·0·	Node	NOD
16	Nearest	NEA
	Additional Object Snaps	
	OSNAP Pre-sets	
n.	Osnap Settings	os
	(Shift+Right-click	menu)

	Select Block Flash Block	SBLK QBF
	Select Layer Flash Layer	SLA QLF
ならいな	Select Entity Select Common SSX Quick Select	SENT SCOM SSX
0	Select Color	SCO
TS.	Cross Select	CRS
+a @a	Flash Previous Zoom - Cycle Selection	FP ZPS
*	Highlight Selection (Ctl+Right-click m	HL enu)

3.0 PostalCAD Ribbon Overview

The *PostalCAD 2015* Ribbon displays the most frequently used tools, as groups in individual tabs. The first tab, File, is the beginning of this concept. As the needs become more specific or if tasks increase in complexity, the user proceeds to the next relevant tab for accomplishing the task. When lesser used or more complex tools didn't fit in a three row format for a particular theme, an expandable panel can be shown by clicking on the lower horizontal band of the panel, if there is a cascade arrow next to the descriptive text. The angled arrow in the lower right corner of a panel will open a related dialogue box.

NOTE: *PostalCAD* commands in the Ribbon are preceded with an asterisk (*) in the text label and all others are *AutoCAD* commands.

3.1 File Tab

The File tab is a new tab for *PostalCAD 2015*. The tab contains basic file management tools, clipboard options and the primary printing utilities. This tab has many of the tools from the *PostalCAD 2012* Home tab. The *Microsoft Windows* clipboard tools from the *PostalCAD 2012* Quick Access Toolbar have moved to this tab. Many of the Print & Send tab tools from the *PostalCAD 2012* version have been rearranged and placed in the Printing panel.



(The new for 2015 File tab)

3.1.1 File Management Panel

The File Management panel contains all of the rudimentary file management tools for opening, starting, saving and closing. A shortcut to open the *Buzzsaw* file transfer protocol application is included. The Options dialogue box can be opened with the arrow in the lower right corner.



(File Management panel)

3.1.2 Clipboard Panel

The Clipboard panel contains all of the needed Windows clipboard tools. The *AutoCAD* paste to original coordinate's option is labeled Paste in Place.

🗙 Cut	🖗 Paste Special				
🎦 Сору	🗐 Paste as Block				
i Paste	👼 Paste In Place				
	Clipboard				
(Clipboard panel)					

3.1.3 Printing Panel

The Printing panel contains the tools used in conjunction with printing and creating a PDF file. The Plot dialogue box can be opened with the arrow in the lower right corner.



3.2 Draw Tab

The Draw tab is a new tab for *PostalCAD 2015*. The tab combines *PostalCAD* and *AutoCAD* utilities into four separate panels for drawing and editing individual objects.



3.2.1 Drawing Panel

The Drawing panel contains tools for drawing objects with curves and circles. The universal *Pick Draw *PostalCAD* command is the first button that will edit any type of object.



3.2.2 Linework Panel

The Linework panel is where all the line and polyline tools are placed. This panel includes polyline editing along with the polyline and rectangle tools.



3.2.3 Hatch Panel

The Hatch panel has creation and editing of hatch pattern options. The new for 2015 *Highlighting tool is included.



3.2.4 Revision Panel

The Revision panel contains a full suite of tools and utilities for documenting revisions. The *Cloud and *Triangle commands use the *Arc Size listing to set the final sizes of those objects. The revision tool now adds Mtext notes to be added next to the cloud shaped polyline.



3.3 Modify Tab

The Modify tab combines all the *PostalCAD* and *AutoCAD* utilities for object modification into two separate panels. The tab has been rearranged from the *PostalCAD 2012* layout. Undo and Redo have been added to the far left of the tab. A new *Merge Areas and revised alignment tool, *Align X or Y have been added.

		Modify						
🕂 Undo	+‡+ Move	+‡+ *Move-Rotate	+ ‡ + *Move 1,000'	🔘 *Merge Areas	🚑 Offset	🚈 *Multi	Mirror	
😝 Redo	🔏 Copy	🕄 *Copy-Rotate	💠 *Move Back	🐟 Align Points	-/ Trim	imes *Clean	🦲 Chamfer	Draw
🖌 Erase	🔡 Array	🔿 Rotate	Scale	XY *Align X or Y	+-/ Extend	🔒 Stretch	🦲 Fillet	Order
		Modify Obj	ects	14	u l	Modify G	eometry	

(Modify tab)

3.3.1 Modify Objects Panel

The Modify Objects panel gives users a robust feature set for manipulating objects. The Properties palette can be toggled on and off with the arrow in the lower right corner.



3.3.2 Modify Geometry Panel

The Modify Geometry panel contains the tools for modifying existing geometry.



(Modify Geometry panel)

The Draw Order Cascade is now larger and contains a new tool for sending external references to the back draw order.



3.4 Annotate Tab

The Annotate tab holds the tools for creating and modifying text, dimensions, leaders, tables and their respective styles. *PostalCAD 2015* automatically creates and sets the standard USPS styles for text, dimensions, and leaders in each new drawing, ensuring standardization. The Style dialogue box for each panel can be opened with the arrow in the lower right corner.



(Annotate tab)

3.4.1 Text Panel

The Text panel contains commands needed for creating or modifying single or multi-line text objects. The panel no longer needs to be expanded to use the array and sequential tools. Expanding the panel gives access to the Spell and Find commands.





(Text panel, expanded)

3.4.2 Dimensions Panel

The Dimensions panel contains commands needed for creating or modifying dimension objects. The panel has been re-organized to have the most commonly used tools available without expanding. Expanding the panel shows diameter, radius, and an editing option to add a leader override to an existing dimension.





(*Dim Layer cascade expanded)

3.4.3 Leaders Tools Panel

The Leader Tools panel contains multi-leader creation and editing tools. See illustration at bottom of page.

3.4.4 Tables Panel

The Table Tools panel contains a *PostalCAD table* command and other utilities for linking and extracting tables. See illustration at bottom of page.

3.4.5 Styles Panel

All annotation styles can be set at one time in the Annotation Styles panel. Many of these styles will be pre-populated into drawings when opening *PostalCAD 2015* templates.





3.5 Blocks Tab

The Blocks tab holds the tools used for inserting or creating blocks.



3.5.1 Block Tools Panel

The Block Tools panel contains all the tools for inserting, creating, and reporting blocks. The insert block dialogue box can be opened with the arrow in the lower right corner.



A new insert cascade allows users to see previews of all block definitions in a drawing file.



(Block Insert cascade)

3.5.2 Modify Blocks Panel

The Modify Blocks panel has tools to modify or manipulate block entities. The Purge dialogue box can be opened with the arrow in the lower right corner.



3.5.3 Attributes Panel

The Attributes panel contains all the tools for creating, synchronizing and modifying attributes in block definitions. The Block Attribute Manager dialogue box can be opened with the arrow in the lower right corner.



3.6 Xref Tab

The Xref tab contains the toolset for creating, inserting, or modifying .DWG external references, PDF underlays, and externally referenced Image files.



3.6.1 Xref Tools Panel

The Xref Tools panel contains all the tools for inserting, creating, and modifying external references. Some of these tools are available on the Shift+right-click menu when working in the drawing window. The External References palette can be toggled on and off with the arrow in the lower right corner.



3.6.2 PDF Tools Panel

The PDF Tools panel contains tools for inserting and modifying PDF underlays.

Attach PDF	Pdf Layers
(1	

(PDF Tools panel)

21	Monochro	ome
Fad	e	
Con	trast	
-jei	PDF T	ools
(PI	OF Tools r	panel expanded)

3.6.3 Image Tools Panel

The Image Tools panel contains all the tools for creating, appending, and modifying externally referenced images into a drawing file. The attach Image dialogue box can be opened with the arrow in the lower right corner.



3.7 Lean Tab

The Lean tab is new for *PostalCAD* 2015 and has three panels devoted to documenting Lean, 5S, and Lean signage on the workroom floor.



3.7.1 Staging Tools Panel

The Staging Tools panel is where the PostalCAD blocks and tools for creating Lean and 5S areas of a workroom floor are located. A companion block library folder has all the necessary blocks for the Lean areas. Many of the tools are for laying out staging areas and getting accurate counts from the layouts.



3.7.2 Sign Tools Panel

The Sign Tools panel has a button to open the Library Manager to the Sign folder housing all the standard signs used for organizing the workroom floor. The panel contains utilities for creating the necessary sign insert sheets users print out.



(Sign Tools panel)

3.7.3 Modify Signs Panel

The Modify Signs panel has a set of modifying tools directed specifically for the inserted sign blocks.

*Sequence	*Common							
🏇 *Fix Layers	🐂 *Zoom/Cycle							
🕵 *Characters	🗳 *Highlight							
Modify Signs								
(Modify Signs panel)								

3.8 Create Tab

The Create tab is where the classic PostalCAD drawing utilities and tools are stored. The conveyor utilities have been completely revamped. The new tool prompts the user to draw a centerline and dynamic blocks are added to the layout. Column grid utility now allows single blocks to be inserted basing the geometry on the parametric parameters in the dialogue box.





3.8.1 Workroom Floor Entities Panel

The Workroom Floor Entities panel is where the classic *PostalCAD* tools for creating elements of a workroom floor are located. The new TTS tools have been added to this panel.



(Workroom Floor Entities panel)

3.8.2 Architectural Elements Panel

The Architectural Elements panel contains all the *PostalCAD* tools for creating the architectural elements of an entire processing plant building or annex. This panel has been reconfigured for *PostalCAD 2015* with a smaller choice of tools and less cascading of icons.



3.8.3 Symbols Panel

The Symbols panel contains the *PostalCAD* utilities for inserting and working with pre-drawn symbols from the *PostalCAD* library and a utility for documenting electrical circuits.



3.9 Spaces Tab

The Spaces tab contains all the space management and transport work analysis tools.



3.9.1 Create & Tag Spaces Panel

The Create & Tag Spaces panel contains all the tools for creating and tagging space management boundaries.



(Create & Tag Spaces panel)

3.9.2 Space Management Tools Panel

The Space Management Tools panel contains the editing tools for space management. The space management reporting tool is also on this panel.



(Space Management Tools panel)

3.9.3 Affinity Analysis Panel

The Affinity Analysis panel contains all the tools for affinity analysis among operations on a workroom floor drawing.



(Affinity Analysis panel)

3.9.4 Transport Work Analysis Panel

The Transport Work Analysis panel contains all tools related to setting up and analyzing mail transport through a workroom floor layout drawing.



3.10 Pages Tab

The Pages tab contains the tools necessary for using Layout tabs. Paper Space setup, creation, and editing all occur with the tools found in these panels.



3.10.1 Viewports Panel

The Viewports panel contains the tools for working in the paper space layout tabs. Viewport creation and editing tools are found in this panel. The Viewports dialogue box can be opened with the arrow in the lower right corner.



3.10.2 Titleblocks Panel

The Titleblocks panel contains utilities for placing formal labels and attributed title blocks into layout tabs.

😫 *Set Defaults 🖬 *Horizontal	*Date/ Time # *Signatures							
T∎ *Vertical	*View Title							
Titleblocks								
(Titleblocks panel)								

3.10.3 Layout Tabs Panel

The Layout Tabs panel contains tools for creating, navigating, and deleting layout tabs.



3.10.4 Evacuation Routes Panel

The Evacuation Routes panel contains the tools for setting up and creating fire evacuation or assembly point routes in a layout tab. The Xref Tools panel in the Xref tab is a companion panel used for creating externally referenced data for the final fire evacuation routes.



(Evacuation Routes panel)

3.11 Cleanup Tab

The Cleanup tab contains a wealth of tools and utilities for Cleaning up a drawing for complying with *PostalCAD* standards or correcting commonly occurring drafting format problems.



3.11.1 Cleanup Tools Panel

The Cleanup Tools panel contains tools not specific to text or block entities. Monster Cleanup combines many of the tools found in all three panels of the Cleanup tab. The Purge dialogue box can be opened with the arrow in the lower right corner.



3.11.2 Fix Layers Panel

The Fix Layers panel contains cleanup tools for fixing most layer related issues.



3.11.3 Fix Text Panel

The Fix Text panel has some quick fixing utilities for textual entities.



3.11.4 Fix Blocks Panel

The Fix Blocks panel contains reporting and block tools for use on one or more blocks within a drawing file.



3.12 Display Tab

The Display tab is where the user manipulates the look of various areas within a drawing or the application window. Panels have been created for viewing a drawing, and the overall display of application interface components, including palette visibility.

3.12.1 Viewing Panel

(Display tab)

The Viewing panel controls the Model tab display window. Basic zooming, panning, saving or restoring views can all be accessed from this panel. The View Manager dialogue box can be opened with the arrow in the lower right corner.

3.12.2 User Interface Panel

The User Interface panel controls changes to the application window. The new Quick Viewing tools are available in this panel. The Display tab of the Options dialogue box can be opened with the arrow in the lower right corner.

3.12.3 Palettes Panel

The Palettes panel is new for *PostalCAD 2015* and has toggle buttons for the main palettes.

3.13 Tools Tab

The Tools tab contains utilities ranging from simple file tools to a global fix all utility. A wealth of help and learning materials are found in the Resources panel of this tab.

				-				Tools	_	
E	🐂 *Fix It	0.0 Set Units	😽 Divide	1	1	😽 *ByBlock	🧁 *ByColor	限 Quick Select		🕍 *PostalCAD Training
*Keyboard	🔊 *Purge	🙇 * Decimal	💉 Measure	*Flach	*Highlight	📲 *ByLayer	🐧 *Common	🔣 *Sub-Set	*PostalCAD	🐚 *PostalCAD Web Page
Shortcuts	🛄 Rename	😅 Distance	薥 *File List	Trastr	ringiningine	*ByEntity	+ *ssx	🔍 *Zoom to	Support	🏷 *What's New 2015
	Ut	ilities 👻				Selectic	n Tools		2	Resources 🔻
					(Tools tab)				

PostalCAD 2015 Features Guide

3.13.1 Utilities Panel

The Utilities panel contains a full set of tools for various uses, including working with drawing files as well as reading entity information.

3.13.2 Selection Tools Panel

The Selection Tools panel lists available filters for various types of selection sets. The Quick Select dialogue box can be opened with the arrow in the lower right corner.

3.13.3 Resources Panel

The Resources panel has the help file needed for using *AutoCAD 2012* and *Autodesk Map 3D 2012*. Internet shortcuts to various PostalCAD.com pages are listed and technical support information appears in the expanded area of the panel.

PostalCAD 2015 Features Guide

4.0 PostalCAD Quick Access Layers Toolbar Overview

The *PostalCAD 2015* Quick Access Toolbar is docked permanently below the Ribbon. This area contains all of the layering tools needed for any drawing. The main tools are on the left side and cascading areas with theme specific tools are on the right. The layering in a drawing is crucial for organizing a drawing. Users should review the important options that are available in the cascades because they are not visible all of the time.

NOTE: *PostalCAD* commands in the Quick Access Layer toolbar are preceded with an asterisk (*) in the text label and all others are *AutoCAD* commands.

📫 🗐 🔃 🕈 🛣 🗖 0 🚽 🥩 🖓 - 🚳 - 👰 - த - 🤹 🕉 - Unsaved Layer State 📼 🌉 🖛

4.1 Left Three Buttons

The left three buttons on the Quick Access Layer toolbar are for the following utilities:

- 1. Toggle the Layer Properties Manager palette to be visible or not
- 2. Opens the Make PostalCAD Layer dialogue box
- 3. Starts the Quick Make Layer utility

4.2 Layer Control Box

The Layer Control box expands when mouse focus is applied by clicking into the initial box. The 2015 Layer Control box has been made wider to accommodate longer layer names.

(Layer Control box)

4.3 Pick Current Layer Button

The Pick Current button allows the user to set the current layer by picking an object.

-	B	R	🕈 🗮 🖬 0	- 2	Pick Current button
				(Pick Current button)	

4.4 Filter Layers Cascade Button

The Filter Layers cascade button expands to show the filters that can be applied to the Layer Control pulldown list.

4.5 Turn Layer(s) On or Off Cascade Button

The Turn Layer(s) On or Off cascade button expands to show all the tools for turning layers On or Off. The bottom button will flash one or more selected layers.

4.6 Freeze or Thaw Layer(s) Cascade Button

The Freeze or Thaw Layer(s) cascade button expands to show all the tools for freezing or thawing layers.

(Filter Layers cascade button) (Turn Layer(s) O

(Turn Layer(s) On or Off cascade button) (Freeze or Thaw Layer(s) cascade button)

4.7 Isolate Layer(s) Cascade Button

The Isolate Layer(s) cascade button expands to show all the tools for isolating layers.

4.8 Lock or Unlock Layer(s) Cascade Button

The Lock or Unlock Layer(s) cascade button expands to show all the tools for locking or unlocking layers. The bottom button toggles on the fading of locked layers.

4.9 Save or Restore Layer States Cascade Button

The Save or Restore Layer States cascade button expands to show all the tools for working with layer states.

(Isolate Layer(s) cascade button) (Lock or Unlock Layer(s) cascade button) (Save or Restore Layer States cascade button)

4.10 Layer States control box

The Layer States control box expands to show all the layer states in a drawing.

4.11 Match Properties Button

The Match Properties button is the last button on the right and is used for matching the layer properties of another object.

						- 🛛
		(Match	Propertie	s button)	/
			Match	n Prop	erties button	/

5.0 New Tools in PostalCAD 2015

PostalCAD 2015 has new and improved features integrating directly into *Autodesk Map 3D 2015 software*. The *PostalCAD* tools in the Ribbon are preceded with an (*) to visually separate them from *AutoCAD* items.

5.1 New Integration

PostalCAD 2012 is integrated into every drawing opened within *Autodesk Map 3D 2012*. The following listing shows the changes and effects occurring upon opening a file:

- PostalCAD 2015.dwt template is the default template for all new drawings
- Standard styles for text, dimensions, and leaders are added automatically
- Units are set to "Architectural".
- Insert units are set to "Unitless".
- Current color and line type are set to "Bylayer".
- UCS icon is turned Off
- All PostalCAD dialogue boxes load and respond quicker using Microsoft .net programming.

5.2 New Tools

PostalCAD 2015 offers many new tools for enhanced ease and speed in creating and editing any type of drawing.

5.2.1 Home Tab>Hatch panel

 *Quick PDF: Quickly create a windowed area of a drawing into an 8-1/2" x 11" PDF. Portrait or landscape orientation is determined by orientation of window selection.

5.2.2 Draw Tab>Hatch panel

 *Highlight: Highlight selected object(s) with solid hatch. Yellow is default color with an option to choose another or set transparency.

5.2.3 Modify Tab> Modify Objects Panel

- *Merge Areas: Merges closed polylines into one polyline.
- *Align along X or Y: Align object(s) along X or Y axis.

5.2.4 Modify Tab> Modify Geometry Panel>Draw Order

- ***XREF to Back:** Send all .dwg XREFs to back of the draw order.

5.2.5 Annotate Tab>Text Panel>Align>

- *Move & Align: Move and align text to a line or polyline.
- ***Copy & Align:** Copy and align text to a line or polyline.

5.2.6 Annotate Tab>Dimensions Panel>*Dim Layer

- *N-ARCH-DIM: Creates and sets current the N-ARCH-DIM layer.
- ***N-Equipment-DIM:** Creates and sets current the N- Equipment -DIM layer.
- *N-ARCH-DETAIL-DIM: Creates and sets current the N-ARCH-DETAIL-DIM layer.

5.2.7 Blocks Tab>Block Tools Panel

 Insert (Cascade): User can select a block from the block table with a window showing large previews of the block needed.

(Expanded Insert button)

- *Replace: User selects block definition that will be replaced either singularly or all occurrences at one time. Definition can be from current file or a selected folder. Default folder is *PostalCAD* library.
- **WBlock:** Write a new file from dialogue box selection.
- *Flash Selected: User selects block(s) that will flash (5) times.

5.2.8 Xref Tab>Attributes Panel

- All attribute tools now combined in a smaller panel with extra commands in the cascading list.

5.2.9 Xref Tab>XREF Tools Panel

- Xref palette toggle button.
- ***Open Xref:** Opens a selected Xref for editing.
- ***Full to Relative:** Changes a selected Xref path from Full to Relative.
- *Append: Can push objects from current drawing to an Xref or pull objects from an Xref to current drawing. Replaces *PostalCAD* 2012 append Xref tool.

5.2.10 LEAN Tab>Staging Tools Panel

*Staging Library: Insert Staging Blocks using the PostalCAD Library Manager.

*Lane Arrows: Insert swim lane direction arrows onto an existing dynamic staging block named Swim Lane Staging or Swim Lane Staging-Wide.

*Flip Arrows: Rotates existing swim lane arrows 180 degrees.

***5S Staging:** Insert a dynamic 5S staging block that can be labeled and resized. ***Staging Legend:** Inserts and scales by DIMSCALE factor a staging legend that has attributes. Attributes can be updated with the *Legend Update tool.

*Legend Update: Updates an existing staging legend block with a count of all staging blocks on any of the following standard staging layers.

- M-STAGING-DAMAGED-TRAY
- M-STAGING-EMM
- M-STAGING-FLAT LIDS
- M-STAGING-FLAT TUBS
- M-STAGING-HALF TRAYS
- M-STAGING-LETTER
- M-STAGING-MM
- M-STAGING-PALLETS
- M-STAGING-SACKS-ORANGE
- M-STAGING-SACKS-WHITE
- M-STAGING-SLEEVE-DISPOSAL
- M-STAGING-SLEEVES
- N-LEGEND-STAGING

***Container Report:** Counts all dynamic staging block arrays Optional table object can be placed in drawing based on DIMSCALE for scaling. A Notepad file will always appear with the total count of all staging blocks.

5.2.11 LEAN Tab>SIGN Tools Panel

- ***SIGN Library:** Insert sign blocks using the *PostalCAD* Library Manager.
- *Swim Lanes: Inserts sign blocks onto an existing dynamic staging block named Swim Lane Staging or Swim Lane Staging-Wide. Utility will create a separate block for each lane encountered.
- *Equipment: Inserts sign blocks onto an existing equipment block from *PostalCAD* AS504 Library. Utility will create a separate block for each piece of equipment encountered.
- *Add Sign: Insert a sign block through command line options.
- ***Export to Excel:** Exports sign block data into an Excel template.
- ***Insert Tab:** Adds a new layout tab to match sign type selected.
- ***Order Tabs:** Alphabetizes all layout tabs.
- *Fix Layers: Checks all sign blocks for dynamic options and changes block layer properties to match.

- *Characters: Checks all sign blocks for character limits. The utility highlights any blocks that exceed limit with a solid hatch pattern. Utility also creates a Word file with an itemized list of block names with the attribute values that are in error.
- *Common: Selection tool to find all common blocks.
- ***Highlight:** Utility let's user highlight any sign blocks that need to be reordered.

5.2.12 Create Tab>Workroom Floor Entities Panel

- *Column Grid: New dialogue box layout including option for single column block.
- *Hatch Aisles: Create transparent hatch pattern in M-AISLE objects.
- *TTS: Robust utility for laying out and editing tray transport systems with elevations.
- ***Overhead Marker:** Reset existing elevation position of incline/decline blocks.
- ***Match Elevation:** Matches elevation of existing blocks.
- ***Polyline Direction:** Shows polyline direction with options to reverse.

5.2.13 Create Tab>Architectural Elements Tools Panel

- *Door & Opening: Breaks existing wall lines into doorway and adds a door block.
- ***Door Only:** Inserts a door block into an existing opening.
- ***Door Tag:** Inserts a door tag block at the arc of a door block.

5.2.14 Spaces Tab>Create & Tag Spaces Panel

- ***Sequential:** Command line tool for sequentially tagging existing spaces.
- ***Validate:** Validates selected tagged spaces for correct square footage.
- *Merge: Merges two closed polylines, whether tagged or not.
- ***Split:** Splits a space into two separate spaces using a single line segment.

5.2.15 Spaces Tab>Transport Work Analysis Panel>WSU Tagging

- *Import Names: Imports space names from a selected transport work
- spreadsheet and displays them to the right of the extents of the workroom.
- ***Drag/Drop Tags:** Drag and drop space tags from imported list.

5.2.16 Pages Tab>Layout Tabs Panel

- ***Delete Tab:** Deletes a selected tab using a dialogue box.
- ***Go To Tab:** Sets a selected tab current using a dialogue box.
- ***Model Tab:** Sets the Model tab to be current.

5.2.17 Pages Tab>Evacuation Routes Panel

- *Evac Tab: Creates a new evacuation route tab numbered sequentially from the last tab created.
- *Route Length: Inserts a text object that lists the chosen route length in decimal feet.

5.2.18 CLeanup Tab>CLeanup Tools Panel

 *Move Origin: Moves all objects in a drawing to a new position based off of where the 0,0,0 location should be.

5.2.19 CLeanup Tab>Fix Layers Panel

- *Add Prefix: Adds a standardized prefix letter to selected layers.

5.2.20 CLeanup Tab>Fix Blocks Panel

- *Blocks On Layer: Count the number of objects on a specified layer within a block definition.
- *Rename: Rename a block definition by selecting an existing block or from a list of all blocks within the drawing.

5.2.21 Display Tab>User Interface Panel

- Recent Files: Button opens the "New Tab" file tab below the Ribbon to open recent files, start a new drawing, or open a standardized PostalCAD template to start a new drawing.
- File Tabs: Button to toggle on and off the file tabs below the Ribbon tabs.
- Layout Tabs: Button to toggle on and off the model and paper space tabs.
- **Status Bar:** Button to toggle on and off the status bar icons at the bottom of the application window.

Appendix A – System Requirements

For a complete listing of the system requirements for *AutoCAD 3D 2015* 64 bit with *PostalCAD 2015* see the following Autodesk website:

https://knowledge.autodesk.com/support/autocad-map-

3d/troubleshooting/caas/sfdcarticles/sfdcarticles/System-requirements-for-AutoCAD-Map-3D-2015.html

Appendix B – *PostalCAD 2015* Installation

The installation of *PostalCAD 2015* is available as a bundled download with *AutoCAD Map 3D 2015 64 bit* from the eAccess system via the USPS intranet. Once the setup program is initiated, the program will install itself.

Important: PostalCAD 2015 can only be installed after the compatible Autodesk Map 3D 2015 64 bit program is installed on the target system. PostalCAD is an overlay that works on top of an existing Autodesk Map 3D 2015 64 bit installation.

The Autodesk Map 3D 2015 64 bit installation uses a Flex License system for authorizing use of the product. When a user opens Autodesk Map 3D 2015, the Flex License Manager installed on the local machine accesses the USPS server in Merrifield, Virginia for an authorization to use an available, temporary license. If the local machine is **not** connected to the USPS intranet, the software cannot be started. A license may be borrowed for a short period of time while a user is connected to the intranet, if a user needs access to the software when traveling or on a workroom floor with a laptop.

Those users who have stand alone, single seat licenses should contact the USPS *PostalCAD* program representative at USPS Headquarters to upgrade to *PostalCAD 2015* free of charge.

USPS PostalCAD Program Representative Contact Information:

Richard B. Sowdon, PE Network Operations Engineering <u>Richard.B.Sowdon@usps.gov</u>

475 L'Enfant Plaza SW, Room 7539 Washington, DC 20260 (202) 276-3246

Appendix C – PostalCAD Training

Professional classroom training is available at the USPS executive training facility, William F. Bolger Center, in Potomac Maryland.

Training descriptions, USPS course numbers, and a calendar of available classes is posted on the *PostalCAD* website, <u>http://www.postalcad.com/training.htm</u>. For additional classroom training information or general training questions, contact Kelly Williams at Neosys Corporation, (540) 752-4607, or by email, <u>Kelly@eNeosys.com</u>.

Each series of learning builds on the previous level of training or uses references from other courseware. The following list is a suggested sequence for learning *PostalCAD* from the most basic use through the upper levels of analysis and design.

Introduction to PostalCAD PostalCAD Plant Layout PostalCAD Standardization