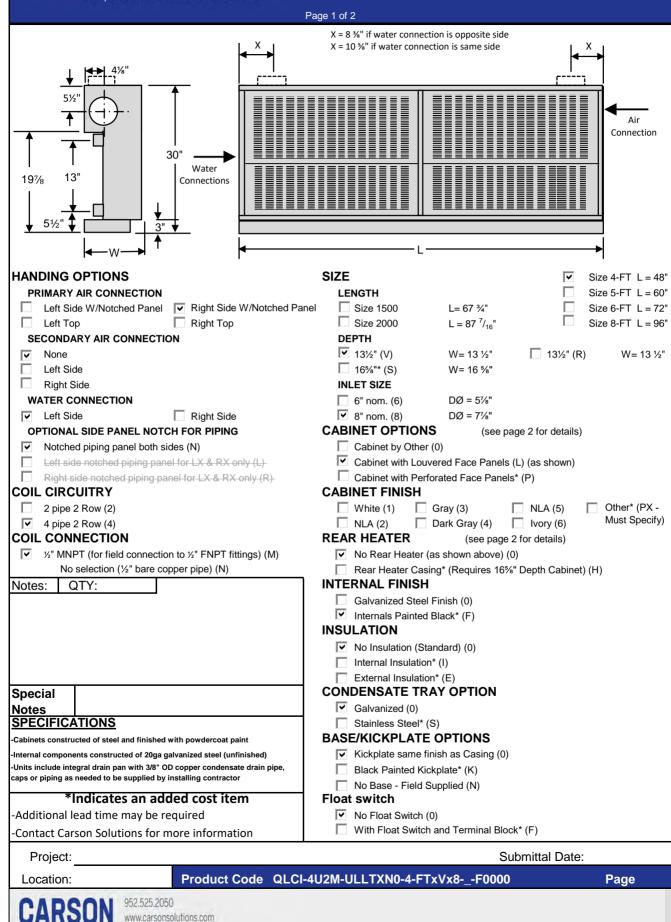
QLCI

Displacement Chilled Beams

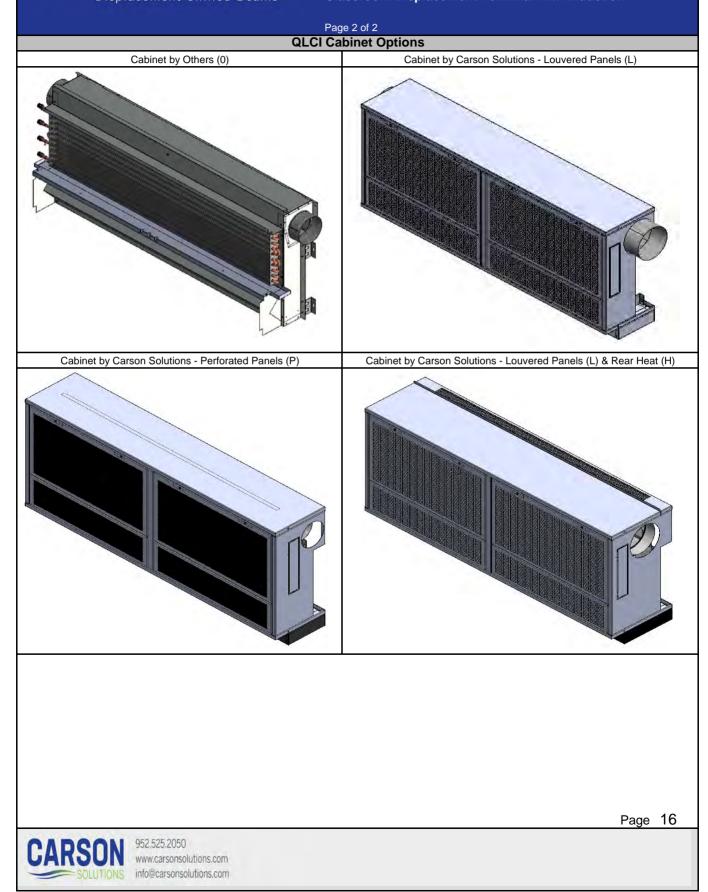
Smart Submittal for QLCI Terminals Classroom Displacement Terminal with Induction



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**QLCI** Smart Submittal for QLCI Terminals Classroom Displacement Terminal with Induction

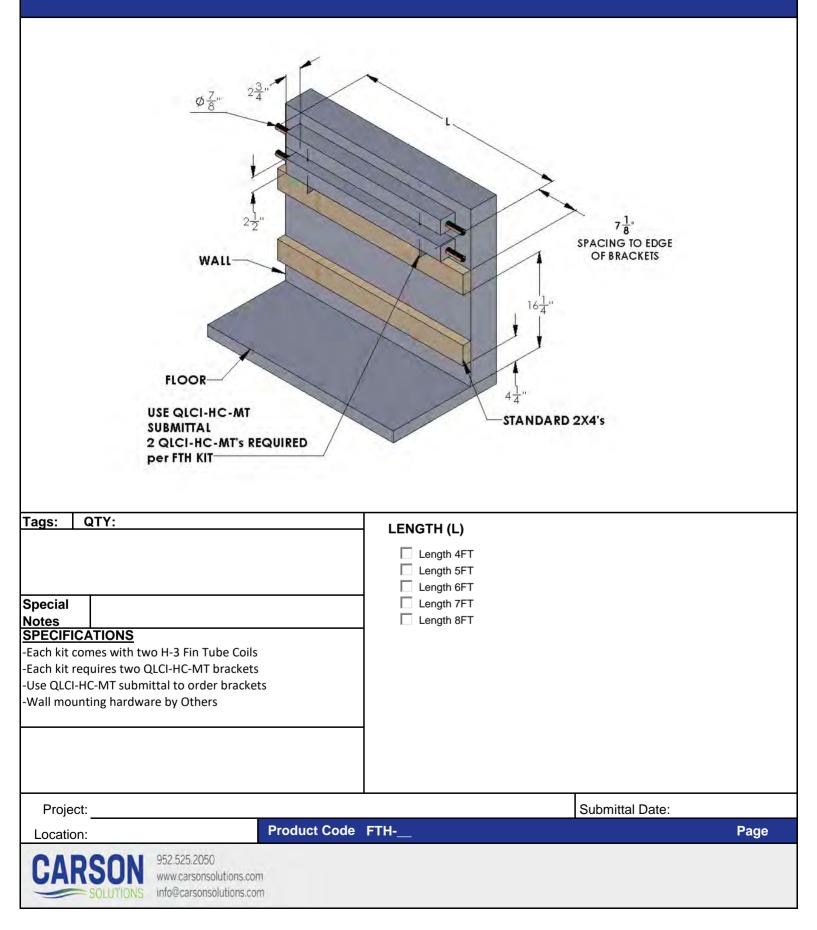




	EACH KIT INCLUDES (2) DOUBLE MOUNT BRACKETS	
Tags: QTY:	DEPTH (W) 13½" (R) 165%"* (S)	
Special Notes         SPECIFICATIONS         -Constructed of 16ga Galvanized Steel         -Mounting brackets for assembling multiple QLCI units         together before putting them up against the wall         -Allows piping to be connected and attached to the back of the QLCI's         *Indicates an added cost item.         -Additional lead time may be required         -Contact Carson Solutions for more information         ***Custom sizes available***		
Project:	Sub	omittal Date:
Location: Product Code	DB-MB	Page
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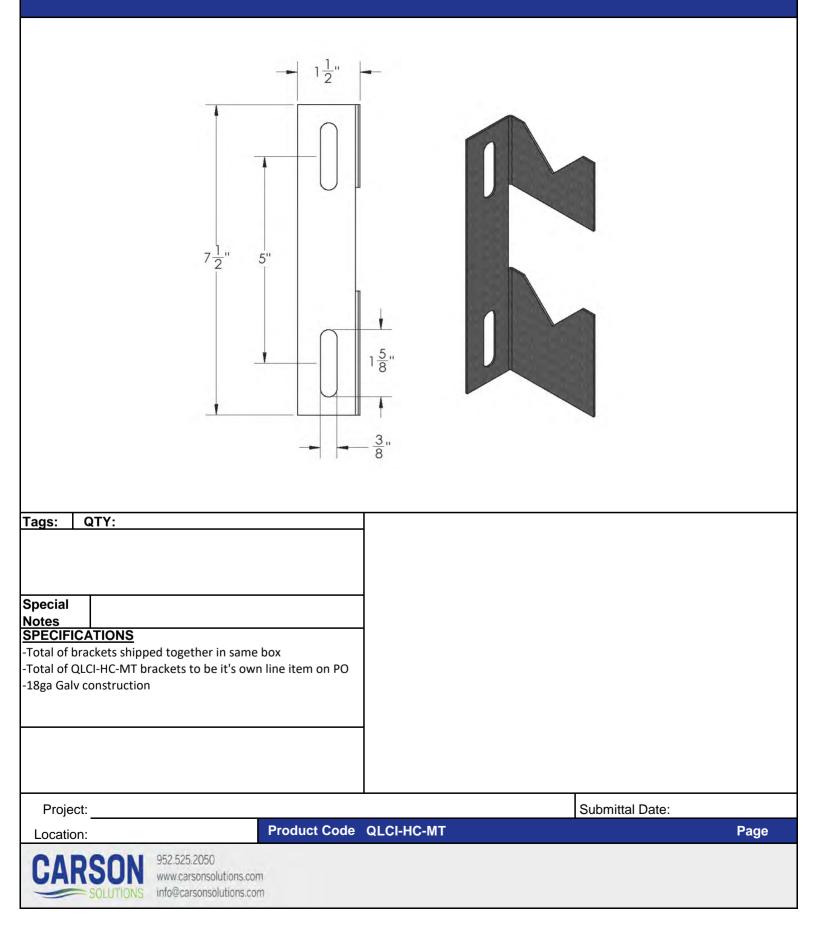


### Dual Row H-3 Fin Tube Kits Fin Tube Heater (FTH) Smart Submittal for QLCI Terminals





Dual Row H-3 Fin Tube Mounting Brackets Heater Coil Mounting Bracket (QLCI-HC-MT) Smart Submittal for QLCI Terminals



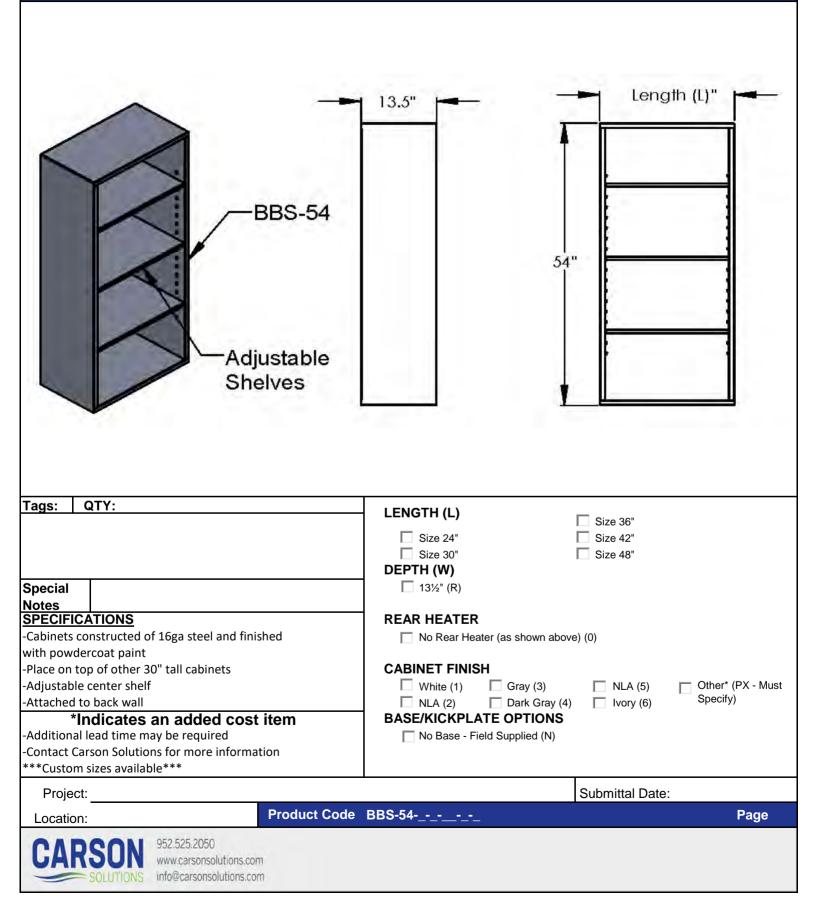


# Basic Bookcase Section (BBS) Smart Submittal for QLCI Terminals

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Location: Product Code	BBS Page
Project:	Submittal Date:
*Indicates an added cost item -Additional lead time may be required -Contact Carson Solutions for more information ***Custom sizes available***	BASE/KICKPLATE OPTIONS Kick plate same finish as Casing (0) Black Painted Kick plate* (K) No Base - Field Supplied (N)
Special Notes SPECIFICATIONS -Cabinets constructed of 16ga steel and finished with powdercoat paint -Both ends notched for pipework passage -Adjustable center shelf	□       13½" (R)       □       13½" (V)         □       16%"* (S) <b>REAR HEATER</b> □       No Rear Heater (as shown above) (0)         □       Rear Heater Casing* (Requires 165%" Depth Cabinet) (H) <b>CABINET FINISH</b> □       White (1)       □       Gray (3)       □       NLA (5)       Other* (PX - Must Specify)         □       NLA (2)       □       Dark Gray (4)       □       Ivory (6)       Specify)
Tags: QTY:	LENGTH (L) Size 36" Size 24" Size 42" Size 30" Size 48" DEPTH (W)
Center S is Adjus	table
Standard BBS	Removable Rear Heater Top Panel For BBS-S-H

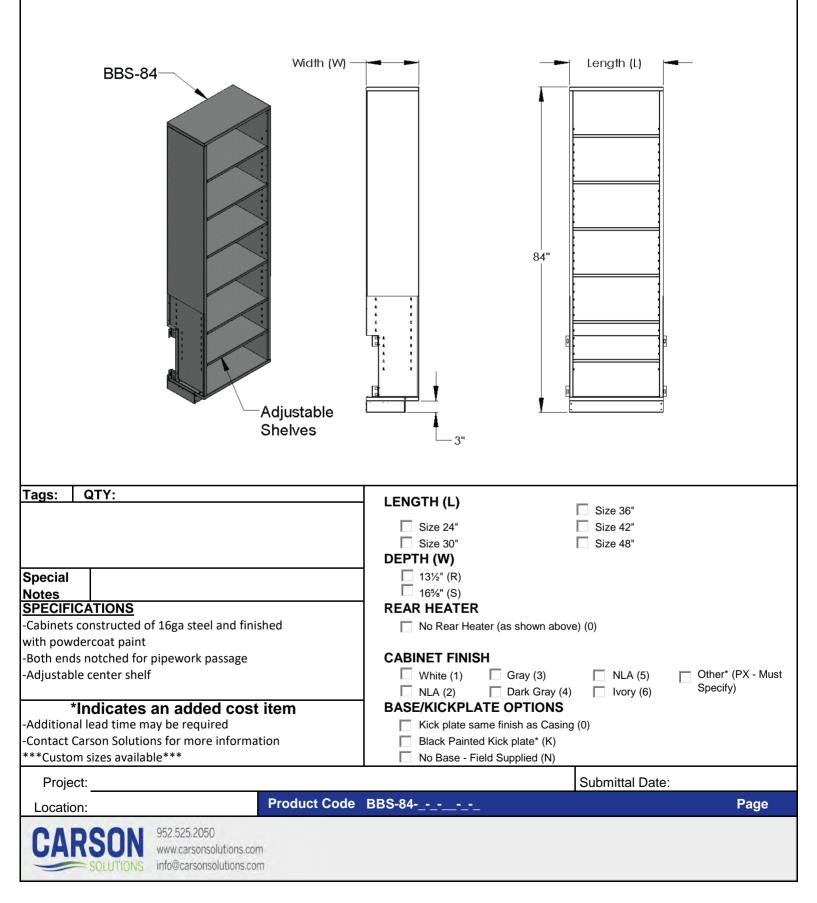


### **Basic Bookcase Section (BBS-54)** Smart Submittal for QLCI Terminals



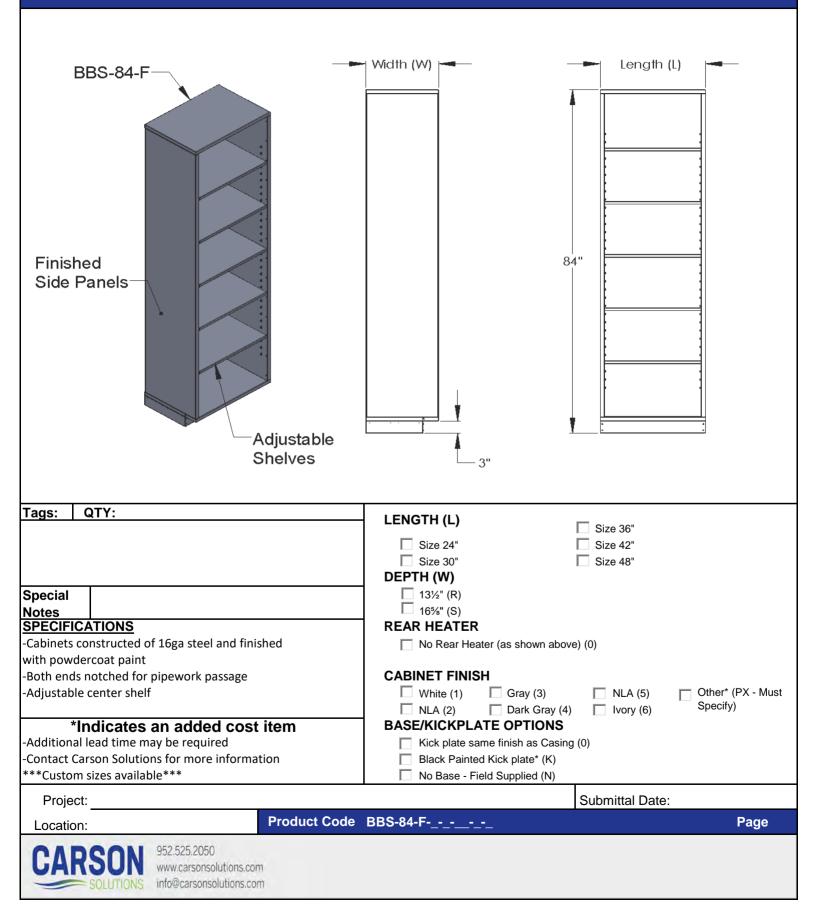


### **Basic Bookcase Section (BBS-84)** Smart Submittal for QLCI Terminals



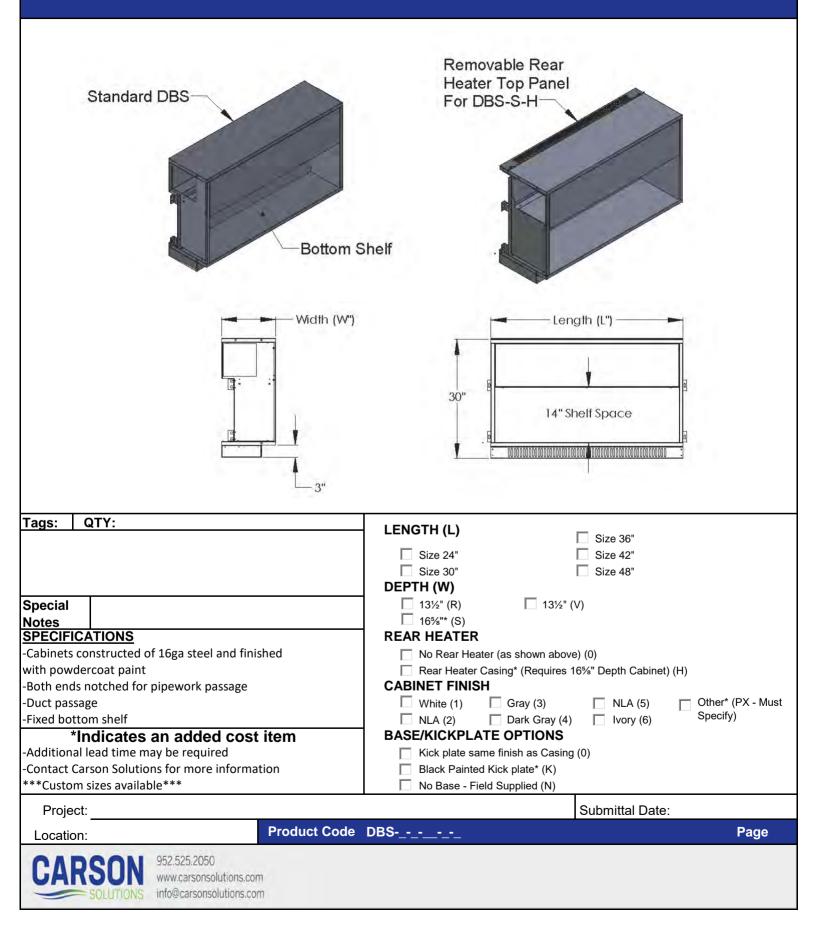


### Basic Bookcase Section (BBS-84-F) Smart Submittal for QLCI Terminals



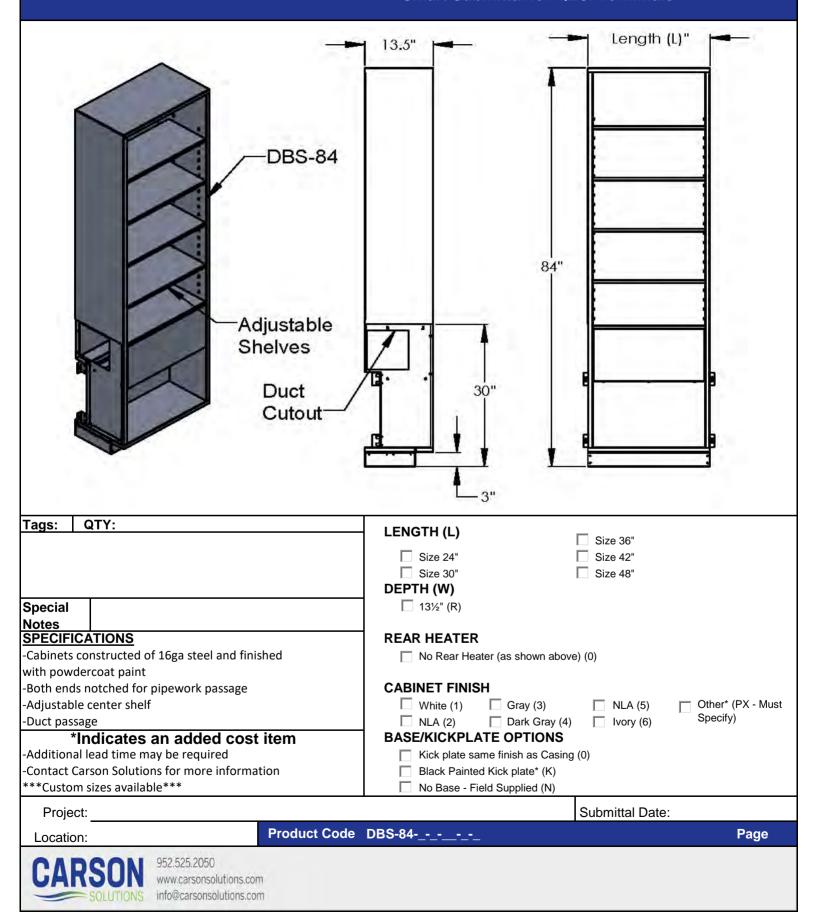


#### Ducted Bookcase Section (DBS) Smart Submittal for QLCI Terminals





#### **Basic Bookcase Section (DBS-84)** Smart Submittal for QLCI Terminals

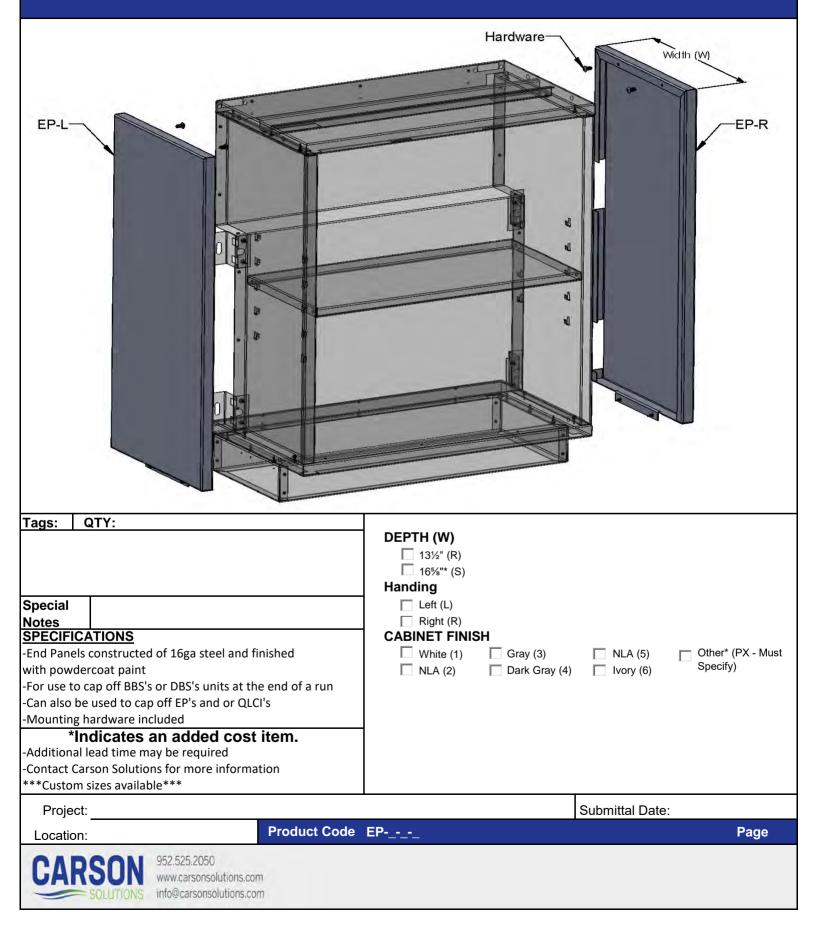




### Cubby Hole Storage (CHS) Smart Submittal for QLCI Terminals



End Panel (EP) Smart Submittal for QLCI Terminals





# **Basic Filler Section (BFS)** Smart Submittal for QLCI Terminals

Standard BFS Offset Strip Field Cutable Panels	Standard BFS-S F-Shape Trim Angles slide over cut edges
29.940 Length (L) Width (W. 29.940 States of the second se	Standard BFS-H
Tags: QTY:	LENGTH (L)
Special Notes         SPECIFICATIONS         -Cabinets constructed of 16ga steel and finished with powdercoat paint         -Horizontal fill section for use with QLCI, field cutable         -Includes floor angle, wall offest strip, and hardware         *Indicates an added cost item.         -Additional lead time may be required         -Contact Carson Solutions for more information         ***Custom sizes available***	Size 6"       Size 36"         Size 12"       Size 42"         Size 18"       Size 48"         Size 24"       Size 60"         Size 30"       DEPTH (W)         13½" (R)       16%"* (H) Rear Heat         16%"* (S)       16%"* (L) Rear Heat for Laminate Top         CABINET FINISH       White (1)       Gray (3)       NLA (5)       Other* (PX - Must Specify)         BASE/KICKPLATE OPTIONS       Kick plate same finish as Casing (0)       Black Painted Kick plate* (K)       No Base - Field Supplied (N)
Project:	Submittal Date:
Location: Product Code	BFS Page
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# **Basic Utility Compartment (BUC)** Smart Submittal for QLCI Terminals

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Location: Product Code	BUC Page
Project:	Submittal Date:
***Custom sizes available***	No Base - Field Supplied (N)
-Additional lead time may be required -Contact Carson Solutions for more information	<ul> <li>Kick plate same finish as Casing (0)</li> <li>Black Painted Kick plate* (K)</li> </ul>
*Indicates an added cost item.	BASE/KICKPLATE OPTIONS
-Removable access door for access to piping and ductwork feeding adjacent QLCI terminals	□         White (1)         □         Gray (3)         □         NLA (5)         □         Other* (PX - Must           □         NLA (2)         □         Dark Gray (4)         □         Ivory (6)         Specify)
-Both ends notched for pipework passage	
-Cabinets constructed of 16ga steel and finished with powdercoat paint	<ul> <li>No Rear Heater (as shown above) (0)</li> <li>Rear Heater Casing* (Requires 16<sup>5</sup>/<sub>8</sub>" Depth Cabinet) (H)</li> </ul>
SPECIFICATIONS	REAR HEATER
Special Notes	$\square 13\%^{2} (R) \square 13\%^{2} (V)$ $\square 16\%^{**} (S)$
Special	DEPTH (W) 13½" (R) 13½" (V)
	Size 24" Size 42"
	□ Size 12"         □ Size 30"         □ Size 48"           □ Size 18"         □ Size 36"
Tags: QTY:	LENGTH (L)
Width (W	
Remo	vable Front s Door
Standard BUC—	Removable Rear Heater Top Panel For BUC-S-H



# **Basic Utility Compartment (BUC-TE)** Smart Submittal for QLCI Terminals

Standard BUC-TE	BUC-TE-S-
42" 11" Remova Access	42"
3/4"     Width (W)       3/4"     3/4"	Cength (L)
Tags: QTY:	LENGTH (L)
	□ Size 24"         □ Size 42"           □ Size 30"         □ Size 48"
	DEPTH (W)
Special Notes	☐ 13½" (R) ☐ 16%"* (S)
SPECIFICATIONS	REAR HEATER (Not Available)
-Cabinets constructed of 16ga steel and finished with powdercoat paint	No Rear Heater (as shown above) (0)
-Both ends notched for pipework passage, top entry	CABINET FINISH
-Removable access door for access to piping and ductwork	White (1) Gray (3) NLA (5) Other* (PX - Must
feeding adjacent QLCI terminals *Indicates an added cost item.	NLA (2) Dark Gray (4) Ivory (6) Specify BASE/KICKPLATE OPTIONS
-Additional lead time may be required	Kick plate same finish as Casing (0)
-Contact Carson Solutions for more information	Black Painted Kick plate* (K)
***Custom sizes available***	No Base - Field Supplied (N)
Project: Product Code	Submittal Date:       BUC-TE     Page
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# **Basic Utility Compartment (BUC-TLE)** Smart Submittal for QLCI Terminals

Location: Product Code I CARSON 952.525.2050 www.carsonsolutions.com	BUC-TLE Page
Project:	Submittal Date:
***Custom sizes available***	No Base - Field Supplied (N)
Contact Carson Solutions for more information	Black Painted Kick plate* (K)
*Indicates an added cost item. -Additional lead time may be required	BASE/KICKPLATE OPTIONS Kick plate same finish as Casing (0)
feeding adjacent QLCI terminals	NLA (2) Dark Gray (4) Ivory (6) Specify)
Removable access door for access to piping and ductwork	White (1) Gray (3) NLA (5) Other* (PX - Must
with powdercoat paint -Both ends notched for pipework passage, top left entry	CABINET FINISH
-Cabinets constructed of 16ga steel and finished	No Rear Heater (as shown above) (0)
SPECIFICATIONS	REAR HEATER (Not Available)
Notes	$\square 13/2$ (R) $\square 165/3"*$ (S)
Special	DEPTH (W)
	Size 30" Size 48"
	Size 18"     Size 36"       Size 24"     Size 42"
Tags: QTY:	LENGTH (L)
	30"
<mark>→ →</mark> Width (W)	Length (L)
10" 10" Removal Access I	ble Front
Standard BUC-TLE	BUC-TLE-S



# **Basic Utility Compartment (BUC-TRE)** Smart Submittal for QLCI Terminals

Standard BUC		-TRE-S
	movable Front cess Door	
Width (W	30"	
Tags: QTY:	LENGTH (L) Size 18" Size 24" Size 30"	<ul> <li>Size 36"</li> <li>Size 42"</li> <li>Size 48"</li> </ul>
	DEPTH (W)	
Special Notes	□ 13½° (R) □ 16%"* (S)	
SPECIFICATIONS	REAR HEATER (Not Available	)
-Cabinets constructed of 16ga steel and finished	No Rear Heater (as shown abov	ve) (0)
with powdercoat paint -Both ends notched for pipework passage, top right ent		-, (-,
-Removable access door for access to piping and ductw		🔲 NLA (5) 👘 Other* (PX - Must
feeding adjacent QLCI terminals	□ NLA (2) □ Dark Gray (4)	
*Indicates an added cost item.	BASE/KICKPLATE OPTIONS	
-Additional lead time may be required	Kick plate same finish as Casing	ן (0)
-Contact Carson Solutions for more information ***Custom sizes available***	<ul><li>Black Painted Kick plate* (K)</li><li>No Base - Field Supplied (N)</li></ul>	
Project:		Submittal Date:
Location: Product	Code BUC-TRE	Page
CARSON SOLUTIONS 952.525.2050 www.carsonsolutions.com info@carsonsolutions.com		



# **Basic Utility Compartment (BUC-L)** Smart Submittal for QLCI Terminals

Standard BUC-L	Removable Rear Heater Top Panel For BUC-L-S-H
Removabl Louvered Door	
Width (W)	30"
Tags: QTY:	LENGTH (L) Size 12" Size 30" Size 48" Size 18" Size 36" Size 24" Size 42" DEPTH (W)
Special	
Notes SPECIFICATIONS	☐ 165⁄8"* (S) REAR HEATER
-Cabinets constructed of 16ga steel and finished	No Rear Heater (as shown above) (0)
with powdercoat paint	Rear Heater Casing* (Requires 16%" Depth Cabinet) (H)
<ul> <li>Both ends notched for pipework passage</li> <li>Removable access door for access to piping and ductwork</li> </ul>	CABINET FINISH White (1) Gray (3) NLA (5) Other* (PX - Must
feeding adjacent QLCI terminals	$\square \text{ NLA (2)} \square \text{ Dark Gray (4)} \square \text{ Ivory (6)} \qquad \qquad$
*Indicates an added cost item.	BASE/KICKPLATE OPTIONS
-Additional lead time may be required	Kick plate same finish as Casing (0)
<ul> <li>-Contact Carson Solutions for more information</li> <li>***Custom sizes available***</li> </ul>	<ul> <li>Black Painted Kick plate* (K)</li> <li>No Base - Field Supplied (N)</li> </ul>
Project:	Submittal Date:
Deadwet Carla	BUC-L Page
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# **Basic Utility Compartment (BUC-L-TE)** Smart Submittal for QLCI Terminals

Standard BUC-L-TE	BUC-L-TE-S-	
	the Front d Access	
3/4     Width (W)       3/4     3/4	30"     Image: Constraint of the second	
Tags: QTY:	LENGTH (L)         Size 18"       Size 36"         Size 24"       Size 42"         Size 30"       Size 48"         DEPTH (W)       Size 48"	
Special	□ 13½" (R)	
Notes SPECIFICATIONS	☐ 165⁄/"* (S) REAR HEATER (Not Available)	
-Cabinets constructed of 16ga steel and finished	No Rear Heater (as shown above) (0)	
with powdercoat paint -Both ends notched for pipework passage, top entry	CABINET FINISH	
-Removable access door for access to piping and ductwork		Other* (PX - Must
feeding adjacent QLCI terminals	NLA (2) Dark Gray (4) Vory (6)	Specify)
*Indicates an added cost item. -Additional lead time may be required	BASE/KICKPLATE OPTIONS  Kick plate same finish as Casing (0)	
-Contact Carson Solutions for more information	Black Painted Kick plate* (K)	
***Custom sizes available***	No Base - Field Supplied (N)	
Project:	Submittal Date:	
Location: Product Code	BUC-L-TE	Page
CARSON SOLUTIONS 952.525.2050 www.carsonsolutions.com info@carsonsolutions.com		



# **Basic Utility Compartment (BUC-L-TLE)** Smart Submittal for QLCI Terminals

Standard BUC-L-TLE	BUC-L-TLE-S-
	able Front
Door	
<del>−■ ■ </del> Width (W)	Length (L)
	30"
Ľ3"	
Tags: QTY:	LENGTH (L)
	<ul> <li>☐ Size 18"</li> <li>☐ Size 24"</li> <li>☐ Size 42"</li> </ul>
	☐ Size 30"
	DEPTH (W)
Special	13½" (R)
Notes	☐ 165%"* (S)
SPECIFICATIONS	REAR HEATER (Not Available)
-Cabinets constructed of 16ga steel and finished with powdercoat paint	No Rear Heater (as shown above) (0)
-Both ends notched for pipework passage, top left entry	CABINET FINISH
-Removable access door for access to piping and ductwork	White (1) Gray (3) NLA (5) Other* (PX - Must
feeding adjacent QLCI terminals	NLA (2) Dark Gray (4) Ivory (6) Specify
*Indicates an added cost item.	BASE/KICKPLATE OPTIONS
-Additional lead time may be required	Kick plate same finish as Casing (0)
-Contact Carson Solutions for more information	Black Painted Kick plate* (K)
***Custom sizes available***	No Base - Field Supplied (N)
Project:	Submittal Date:
Location: Product Code	BUC-L-TLE Page
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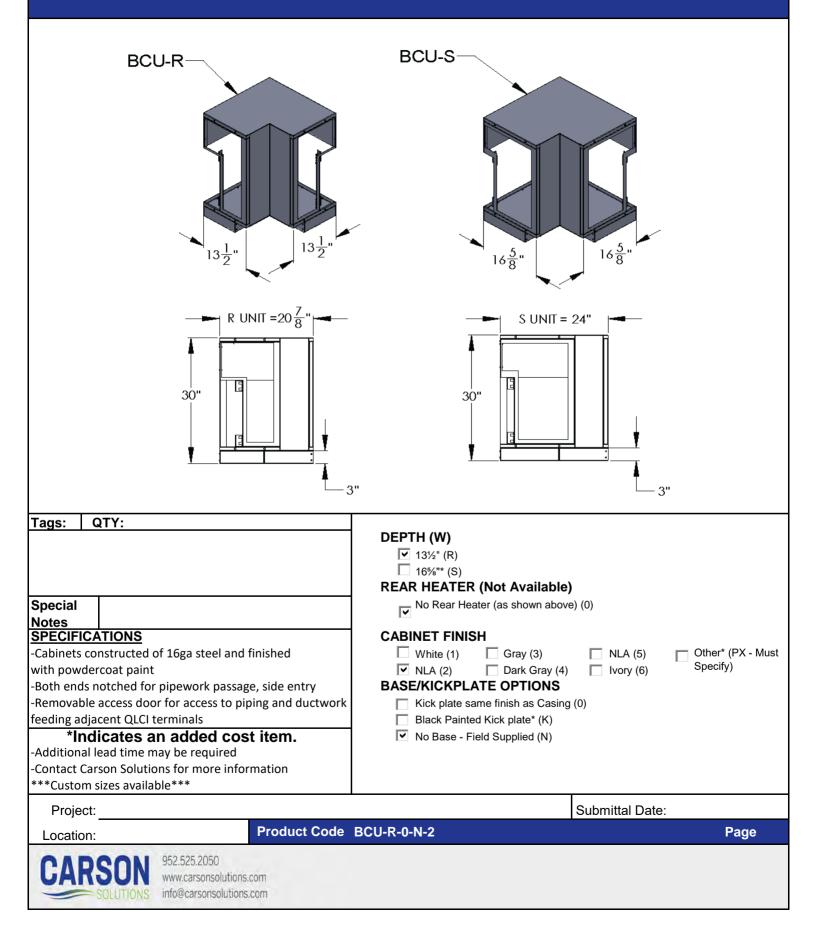


### **Basic Utility Compartment (BUC-L-TRE)** Smart Submittal for QLCI Terminals

	BUC-L-TRE Page	е
Project:	Submittal Date:	
Contact Carson Solutions for more information ***Custom sizes available***	<ul> <li>Black Painted Kick plate* (K)</li> <li>No Base - Field Supplied (N)</li> </ul>	
Additional lead time may be required	Kick plate same finish as Casing (0)	
eeding adjacent QLCI terminals *Indicates an added cost item.	NLA (2) Dark Gray (4) Ivory (6) Specify) BASE/KICKPLATE OPTIONS	
Both ends notched for pipework passage, top right entry Removable access door for access to piping and ductwork	CABINET FINISH White (1) Gray (3) NLA (5) Other* (PX - M	Nust
with powdercoat paint	No Rear Heater (as shown above) (0)	
SPECIFICATIONS Cabinets constructed of 16ga steel and finished	REAR HEATER (Not Available)	
Notes	☐ 16%"* (S)	
Special	DEPTH (W)	
	□ Size 24"         □ Size 42"           □ Size 30"         □ Size 48"	
	Size 18" Size 36"	
Tags: QTY:	LENGTH (L)	
Width (W)	30" Length (L)	
	ble Front d Access	
Standard BUC-L-TRE		
	-BUC-L-TRE-S	

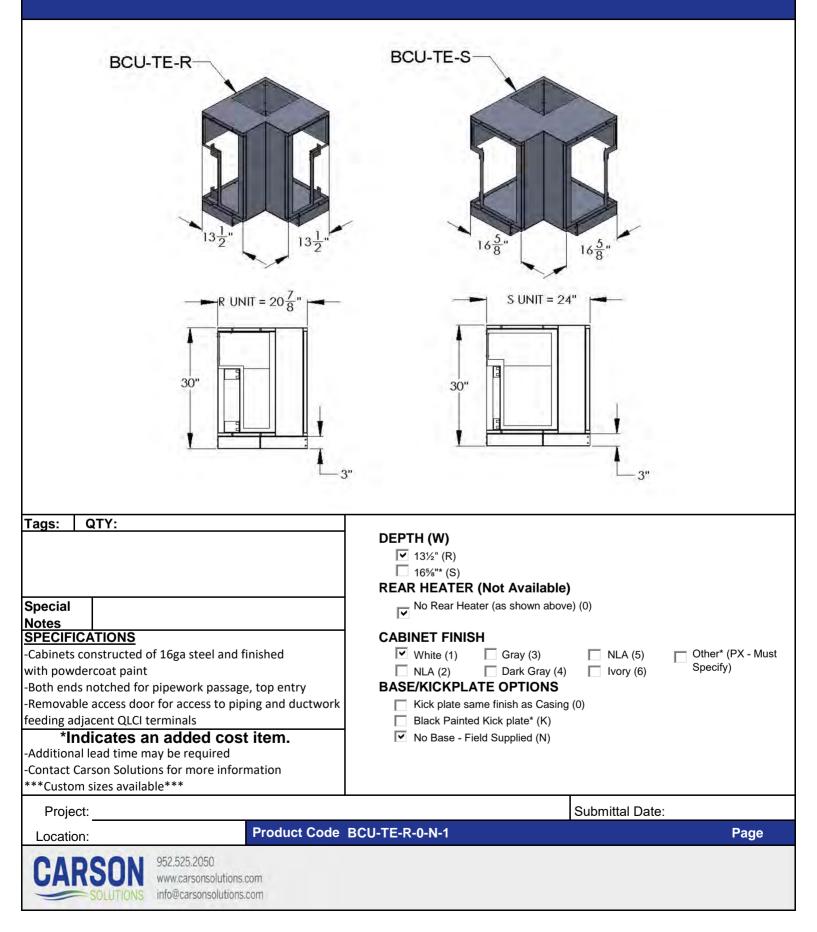


### **Basic Corner Unit (BCU)** Smart Submittal for QLCI Terminals



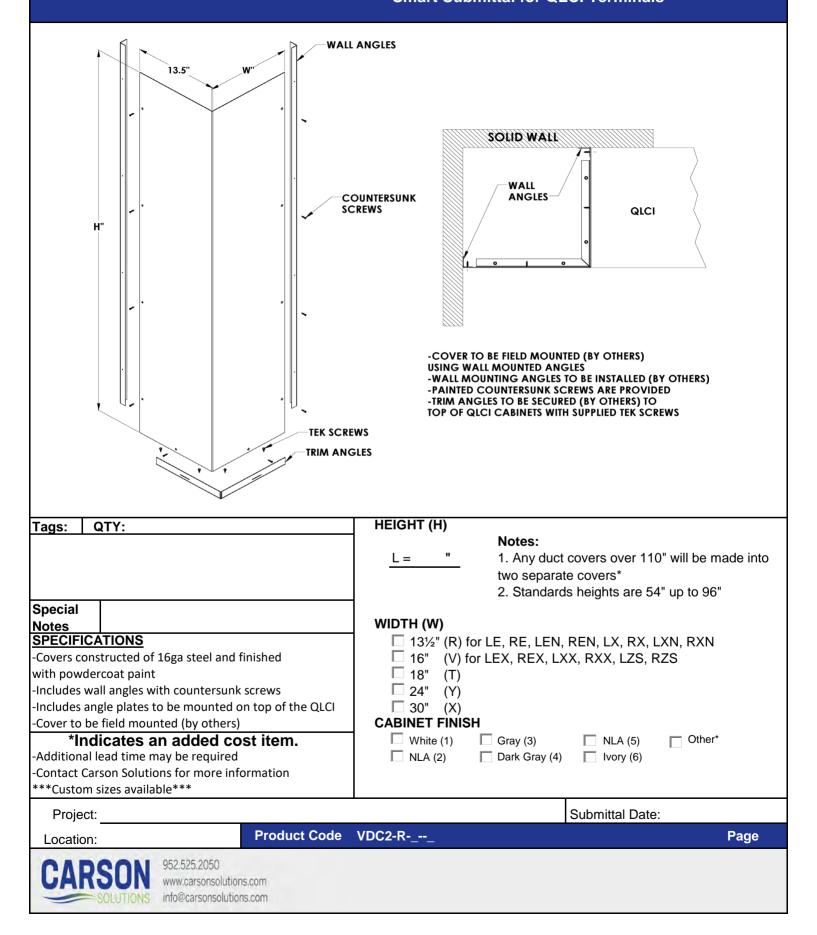


#### **Basic Corner Unit (BCU-TE)** Smart Submittal for QLCI Terminals



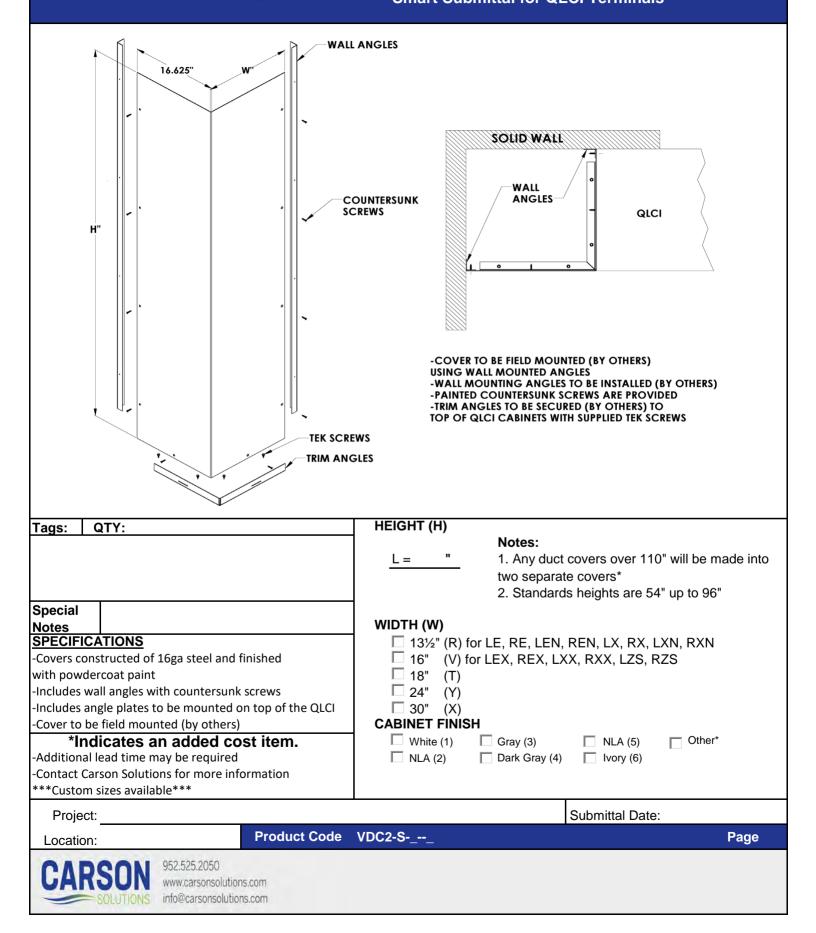


#### Vertical Duct Cover 2-Sided (VDC2-R) Smart Submittal for QLCI Terminals



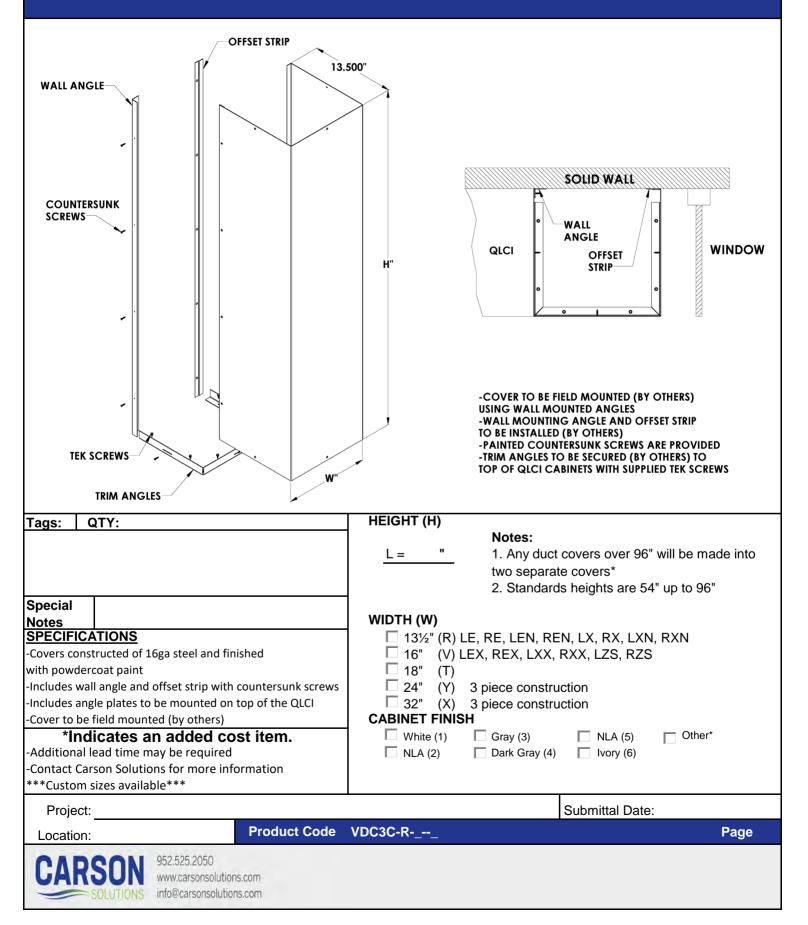


#### Vertical Duct Cover 2-Sided (VDC2-S) Smart Submittal for QLCI Terminals



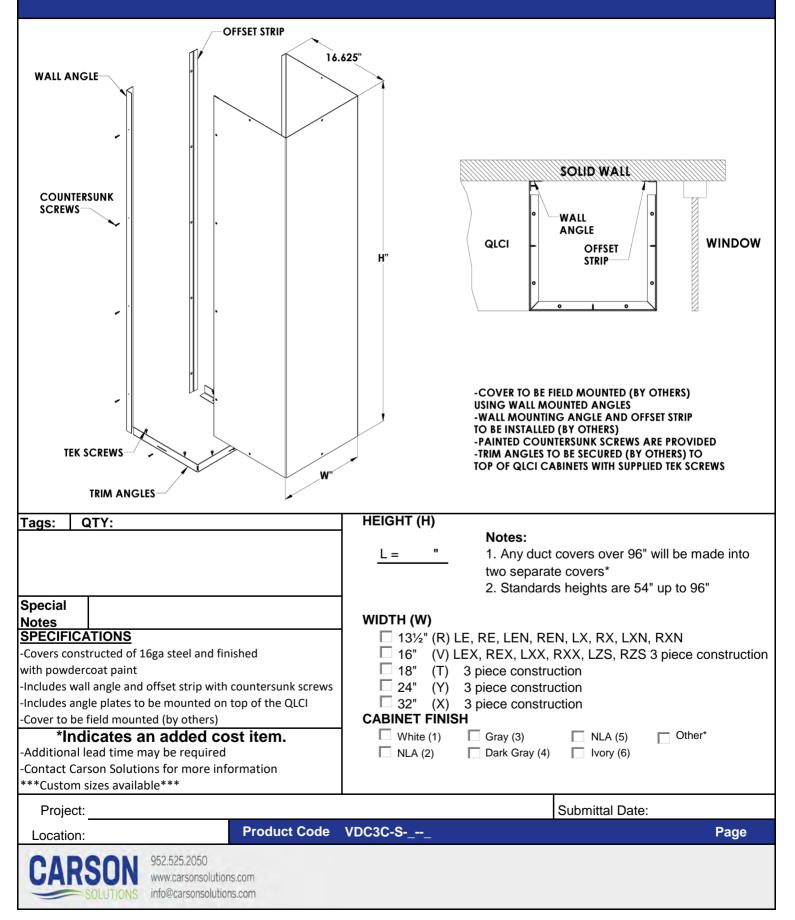


#### Vertical Duct Cover Corner 3-Sided (VDC3C-R) Smart Submittal for QLCI Terminals





#### Vertical Duct Cover Corner 3-Sided (VDC3C-S) Smart Submittal for QLCI Terminals





### Vertical Duct Cover Wall 3-Sided (VDC3W-R) Smart Submittal for QLCI Terminals

WALL ANGLES	3.500"
COUNTERSUNK	SOLID WALL WALL ANGLES
	H"
TEK SCREWS	-COVER TO BE FIELD MOUNTED (BY OTHERS) USING WALL MOUNTED ANGLES -WALL MOUNTING ANGLES TO BE INSTALLED (BY OTHERS) -PAINTED COUNTERSUNK SCREWS ARE PROVIDED -TRIM ANGLES TO BE SECURED (BY OTHERS) TO TOP OF QLCI CABINETS WITH SUPPLIED TEK SCREWS
TRIM ANGLES	
Tags: QTY:	HEIGHT (H)       Notes:         L =       "       1. Any duct covers over 96" will be made into two separate covers*
Special Notes SPECIFICATIONS Covers constructed of 16ga steel and finished with powdercoat paint Includes wall angles with countersunk screws Includes angle plates to be mounted on top of the QLCI Cover to be field mounted (by others)	2. Standards heights are 54" up to 96" DEPTH (W) 13½" (R) LE, RE, LEN, REN, LX, RX, LXN, RXN 16" (V) LEX, REX, LXX, RXX, LZS, RZS 18" (T) 24" (Y) 3 piece construction 32" (X) 3 piece construction CABINET FINISH
*Indicates an added cost item. Additional lead time may be required Contact Carson Solutions for more information ***Custom sizes available***	□       White (1)       □       Gray (3)       □       NLA (5)       □       Other*         □       NLA (2)       □       Dark Gray (4)       □       Ivory (6)
Project:	Submittal Date:
Location: Product Code	VDC3W-R Page
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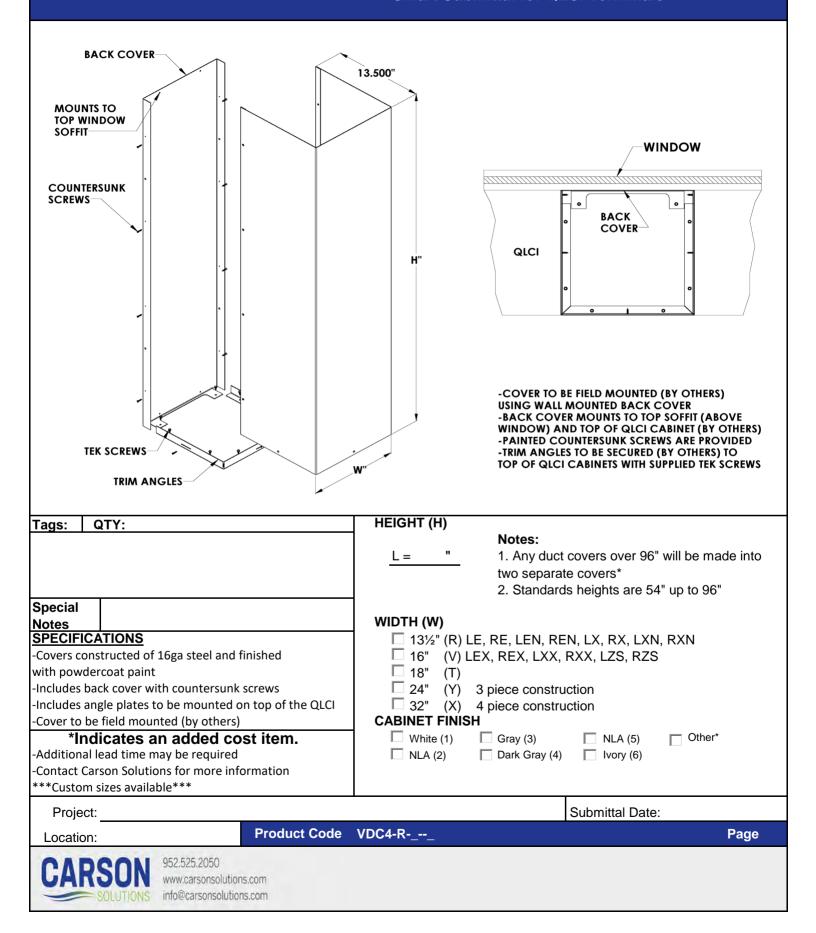


### Vertical Duct Cover Wall 3-Sided (VDC3W-S) Smart Submittal for QLCI Terminals

WALL ANGLES	625"		
	SOLID WALL		
SCREWS	• WALL •		
$\sim$	- QLCI		
·*	H" o		
-			
il.	-COVER TO BE FIELD MOUNTED (BY OTHERS) USING WALL MOUNTED ANGLES		
	-WALL MOUNTING ANGLES TO BE INSTALLED (BY OTHERS) -PAINTED COUNTERSUNK SCREWS ARE PROVIDED		
	-TRIM ANGLES TO BE SECURED (BY OTHERS) TO TOP OF QLCI CABINETS WITH SUPPLIED TEK SCREWS		
· · · · · · · · · · · · · · · · · · ·	-		
IN ANOLS			
Tags: QTY:	HEIGHT (H) Notes:		
	L = " 1. Any duct covers over 96" will be made into		
	two separate covers* 2. Standards heights are 54" up to 96"		
Special			
Notes SPECIFICATIONS	DEPTH (W) 13½" (R) LE, RE, LEN, REN, LX, RX, LXN, RXN		
-Covers constructed of 16ga steel and finished	$\square$ 16" (V) LEX, REX, LXX, RXX, LZS, RZS 3 piece construction		
with powdercoat paint	T 18" (T) 3 piece construction		
-Includes wall angles with countersunk screws	$\Box$ 24" (Y) 3 piece construction		
-Includes angle plates to be mounted on top of the QLCI -Cover to be field mounted (by others)	32" (X) 3 piece construction     CABINET FINISH		
*Indicates an added cost item.	White (1) Gray (3) NLA (5) Other*		
-Additional lead time may be required	$\square$ NLA (2) $\square$ Dark Gray (4) $\square$ Ivory (6)		
-Contact Carson Solutions for more information			
***Custom sizes available***			
Project:	Submittal Date:		
Location: Product Code	VDC3W-S Page		
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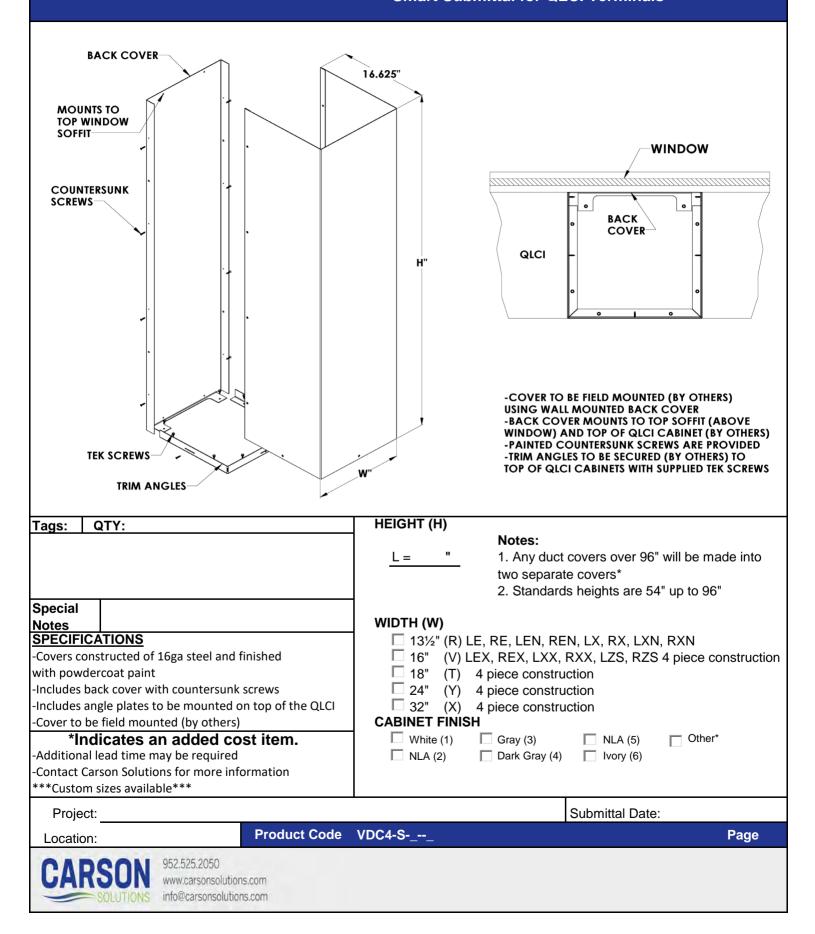


#### Vertical Duct Cover 4-Sided (VDC4-R) Smart Submittal for QLCI Terminals



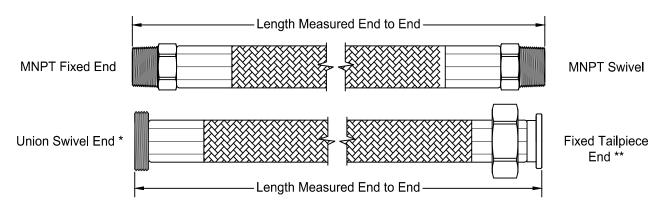


#### Vertical Duct Cover 4-Sided (VDC4-S) Smart Submittal for QLCI Terminals





# Stainless Steel Braided Hose



PRODUCT DESCRIPTION: The Model HSS is a stainless steel braided hose that is abrasion resistant. The HSS has a CPE inner tube with brass end connections and stainless steel ferrules for the  $\frac{1}{2}$ " - 1" hose sizes, and an EPDM inner tube with stainless steel ferrules and plated steel end connections for the  $\frac{1}{4}$ " - 2" hose sizes. The flexible hose eases installation and is designed to withstand high pressures and varying temperatures. The standard end connections are MNPT Fixed x MNPT Swivel. Other available end connection options are FNPT Swivel, Union Swivel \*, and Fixed Tailpiece\*\* connections; available for the  $\frac{1}{2}$ ",  $\frac{3}{4}$ ", and 1" hose sizes. The Model HSS is BUY AMERICAN COMPLIANT.

\* The Swivel Union comes standard with an EPDM O-ring, tailpiece, and union nut which must be specified at the time of order. The swivel union easily converts line connection types and offers line size reductions. The tailpieces are available in FNPT, MNPT, and Sweat ends.

\*\* The Fixed Tailpiece hose end connection is designed to connect directly to union ended coil kit components (AFLB, AFLD, AU, CBV, IBU, or IVY). The tailpiece end eliminates multiple connections.

PRODUCT SPECIFICATIONS		
Tube	CPE (Chlorinated Polyethylene) for 1/2" - 1" sizes - SAE J1019	
	EPDM (Ethylene Propylene Diene Monomer) for 11/4" - 2" sizes - SAE 20R1-D1	
Reinforcement	304L Stainless Steel braid cover meets UL-94 requirements	
Ferrules	Type 304L stainless Steel	
	1/2" - 1" I.D Brass	
End Fittings	1¼" - 2" I.D Steel Plated	
	-40°F to 257°F (-40°C to 125°C)	
End Connections	NPT Male, NPT Male Swivel, NPT Female Swivel (1/2" - 1"), Swivel Union * (1/2" - 1"), Tailpiece ** (1/2" - 1")	
Temperature	Meets UL-94 Requirements	
Ratings	Fire Retardant Material (CPE)	

Specification information is provided to assist and is given without obligation or warranty. The Company reserves the right to make changes in design, materials, and/or specifications without notice.

Size	Length	Working PSI	Bend Radius	** Cv
1⁄2"	12, 18, 24, 30, 36	500 PSI	5"	7
3⁄4"	12, 18, 24, 30, 36	500 PSI	7"	20
1"	12, 18, 24, 30, 36	500 PSI	7"	43
11⁄4"	12, 18, 24, 30, 36	200 PSI	12"	76
11⁄2"	18, 24, 30, 36	200 PSI	12"	130
2"	18, 24, 30, 36	200 PSI	20"	280

Length is measured End to End on all hose connection types.

\*\* Cv listed in chart above is for a 24" length hose. The Cv is estimated and can vary according to installation.



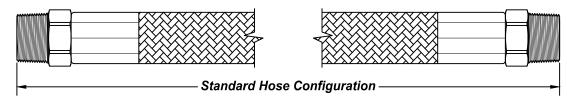
952.525.2050 www.carsonsolutions.com info@carsonsolutions.com



HSS Series Options Stainless Steel Braided Hose

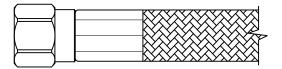
Fixed MNPT

Swivel MNPT



Additional End Connections

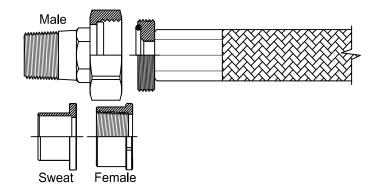
Swivel FNPT Available in ½", ¾", & 1"



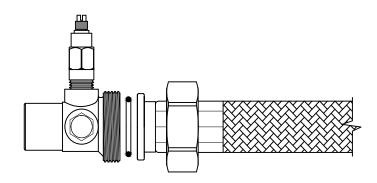
# Swivel Union

Available in 1/2", 3/4", & 1"

The Swivel Union must have the tailpiece connection size and type specified at time of order. Tailpiece options include FPT, SWT, MPT, and a variety of reductions.

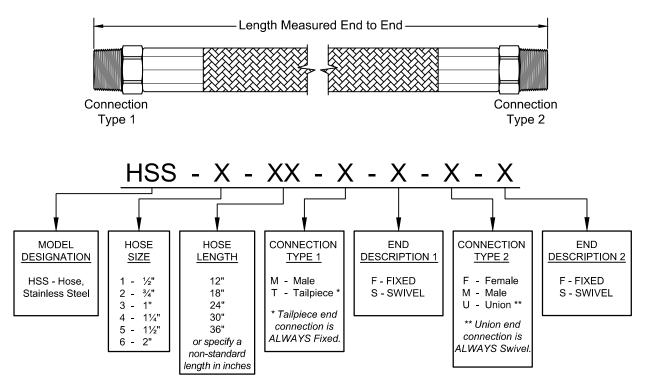


Fixed Tailpiece Available in ½", ¾", & 1" The Fixed Tailpiece connects directly to PRO Hydronic Specialties' union ended products.









When ordering, at least one hose end connection must be a swivel.

JOB NAME:	REPRESENTATIVE:	
ENGINEER:	REF/PO#:	DATE:
CONTRACTOR:	SUBMITTED BY:	DATE:
PART # (See table above)		QUANTITY

