

# JOHN DEERE 1400-1500 Series Cab MOUNTING INSTRUCTIONS



Fits with 2 post folding ROPS mower, sweeper, snow blower or blade options

# A-11241



BOX 70 • LITCHFIELD, MINNESOTA 55355-0070 (320) 693-3221 Fax: (320) 693-7252 1-800-222-5463

Website address: www.800cabline.com

# **A** SAFETY INSTRUCTIONS

Read operator's manual. Be thoroughly familiar with the controls, capabilities, and proper use of the equipment.

NEVER ALLOW ANY RIDERS.

**IMPORTANT:** This cab must only be used on units outfitted with a FOLDING ROPS (Roll Bar).

**DO NOT** place this cab on a unit with a non-folding ROPS.

**DO NOT** remove the top half of the folding ROPS to accommodate this cab.

**DO NOT** weld, cut, drill, modify or remove the ROPS in any manner unless instructed by manufacturer.

Thoroughly inspect cab mounting periodically.

Stay alert for hidden hazards and traffic.

Avoid sudden starts, excessive speeds, and sudden stops when operating on hillside, rough ground and most off-the-road operations.

Use extreme care when working close to fences, ditches, or on hillsides.

Wait for tractor to **STOP** before dismounting.

Check clearance carefully before driving under any objects.

Avoid operating sideways on a steep slope whenever possible.

**ALWAYS** buckle safety belt while operating tractor.

Never exceed factory recommended specifications.

#### **Cab Installation**

- 2.1) Pull roll bar pins and tip upper roll bar section down.
- 2.2) Tilt steering column towards seat.
- 2.3) Tip-up seat towards steering column.
- 2.4) Open engine cover –Some may choose to remove engine cover and set cover aside.
- 2.5) From the rear side of the tractor, there are 4 bolts that secure a mount plate to the roll bar. Doing one side at a time, remove the two bolts that mount the support plate to the roll bar. Attach the Cab Adapter Plate 1-42147 (Refer to Mount kit Drawing 4-14563) to the roll bar mount plate (See figure 2-5). Reinstall the same bolts with the plate in the lowest position. Repeat procedure on the other side and install the second Cab Adapter Plate.

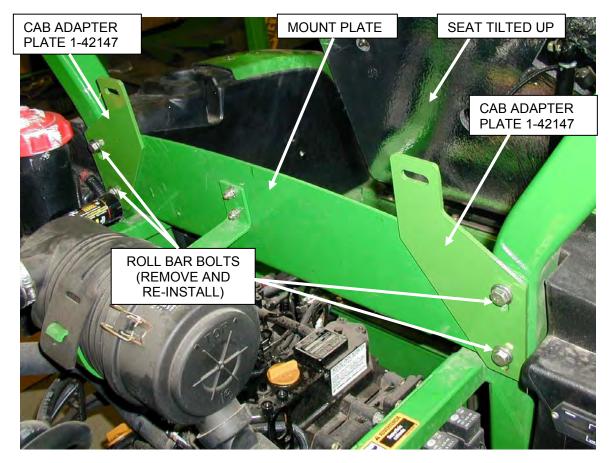


FIGURE 2-5

- 2.6) Next, inspect the cab. There are 2 (Two) lifting brackets mounted at the top of the cab. Verify that the bra ckets and fasteners are tight prior to lifting the cab. Attach lifting mechanism, lift, detach and dispose of the shipping pallet and the shipping supports.
- 2.7) While the cab is in the air, apply the adhesive mount padding, (Refer to items 5, 6 and 7 on mount kit drawing 4-14563).
- 2.8) Position the cab over tractor. Carefully lower the cab down onto the unit making sure the rear of the cab is pla ced over the cab adapter plates, recently installed. The rear cab radius-window will fit into the roll ba r area. Allow the heater hoses to fit around the left rear side of the cab and the red electrical wire around the right rear side. Center the cab, side to side. (See figure 2-8).

#### **Cab Installation (Continued)**

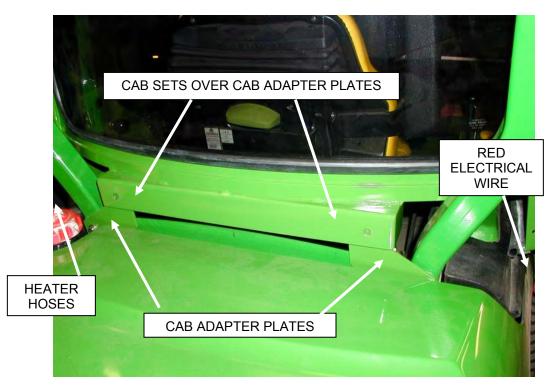


FIGURE 2-8

2.9) Secure cab with (2) 3/8" bolts, (4) 3/8"flat washers and (2) 3/8" nylock nuts (Refer to items 1, 2, 3 and 4 on mount kit drawing 4-14563). See figure 2-9.

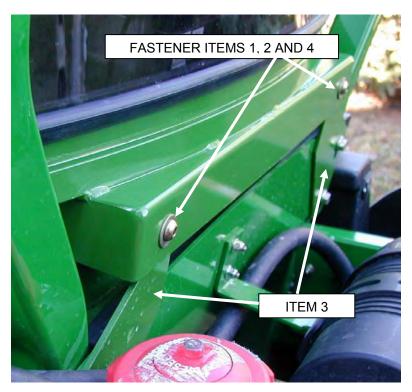


FIGURE 2-9

#### **Cab Installation (Continued)**

- 2.10) From inside the cab, there are four holes located on the cab floor, used for securing the cab to the frame of your unit. Match-Drill the holes, using a 7/16" diameter drill bit. Verify there are no obstructions on the underside of the unit's frame.
- 2.11) Secure the floor of the cab to the unit using 4 bolts, 8 flat washers and 4 nylock nuts (Items 1, 2 and 4 on mount kit drawing 4-14563). See figure 2-11.



Figure 2-11

- 2.12) The lifting brackets on top of the cab should now be removed and stored for future use if needed. Check the rear adapter plates and adjust if needed. Tighten all bolts.
- 2.13) With the seat tipped forward, install the rear skirt from the inside using the 10-24 UNC fasteners shipped with the mnt kit. (Refer to item 15 on mount kit drawing 4-14563). See figure 2-13.

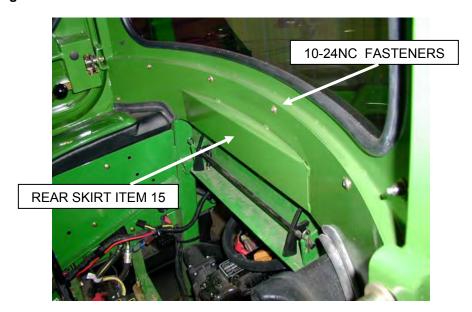


Figure 2-13

#### **ELECTRICAL MOUNTING**

- 3.1) Disconnect battery.
- 3.2) The cab is supplied from the factory, pre-wired. Locate the 12 Gauge red wire that runs down the right rear cab frame tube.
- 3.3) With the engine hood opened, route the wire to the right inside area of the engine compartment.
- 3.4) Locate the wire assembly harness –3 (Refer to Item 14 on mount kit drawing 4-14563).
- 3.5) Remove two nuts that secure two relays located on the right side of the engine compartment (See Figure 3-5).

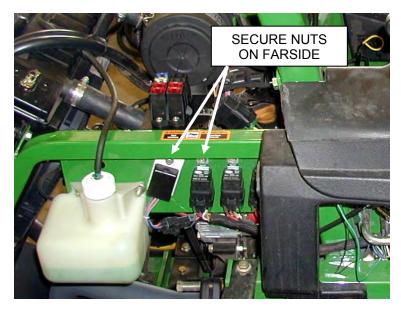


Figure 3-5

- 3.6) Install the wire assembly harness –3 (See Figure 3-6).
- 3.7) Re-install the two secure nuts attaching one black wire from the wire assembly.

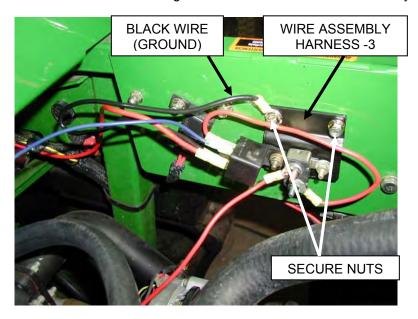


Figure 3-6

- 3.8) The red wire from the cab hooks attaches to pin number 87 on the black relay.
- 3.9) The red wire from the silver breaker switch hooks to the positive side of the starter post. (See figure 3-9).

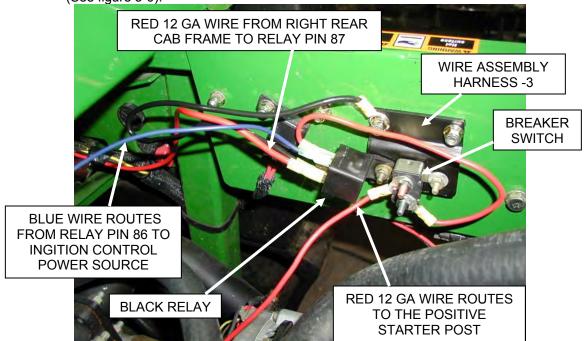


Figure 3-9

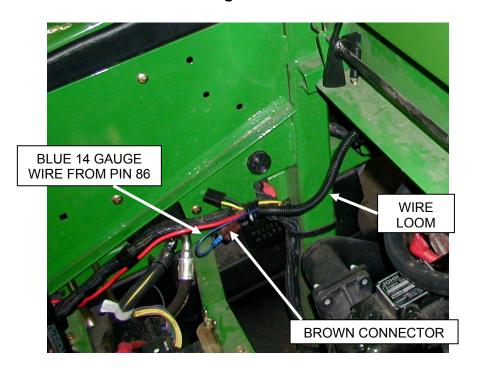


Figure 3-10

- 3.10) Connect the blue 14 gauge wire from relay pin 86 to an ignition-on power source that becomes energized when the ignition key is turned on. (See figure 3-10).
- 3.11) Cover and secure the wires with ½" plastic wire loom included with the mounting kit.
- 3.12) Re-connect the battery.

#### HEATER HOOKUP INSTRUCTIONS

#### Pressure/Hot Line to cab heater core;

- 4.1) With the engine hood opened, drain the radiator by opening the radiator drain plug.
- 4.2) The pressure-hot hose will be hooked up with the aluminum fitting, one brass fitting, O-ring washer and a 5/8" hose clamp (Items 8, 11, 12 and 13 on mount kit drawing 4-14563).
- 4.3) Unplug the electrical sensor and unscrew sensor fitting that is threaded into the water pump, near the underside of the thermostat location. Set the sensor and washer aside.
- 4.4) Use pipe seal thread tape or liquid pipe seal compound on all threaded fittings. Install the aluminum T-fitting (Item 8) with the rubber O-ring washer (Item 13) into the water pump.

  <u>Do not over-tighten!</u> When the O-ring washer seats, orientate the fitting so that the brass hose fitting (Item 11) can be installed easily.
- 4.5) Install the brass hose fitting (Item 11) into the aluminum T-fitting (Item 8).
- 4.6) Reinstall the electrical sensor fitting and washer into the aluminum T-fitting (Item 8).
- 4.7) The cab is shipped with two 5/8" heater hoses, hooked up from the factory. The outer line will be the hot-pressure line (See figure 4-2). Route hose and install onto the brass fitting (Item 11), securing it with a 5/8" hose clamp (Item 12). (See figure 4-1).

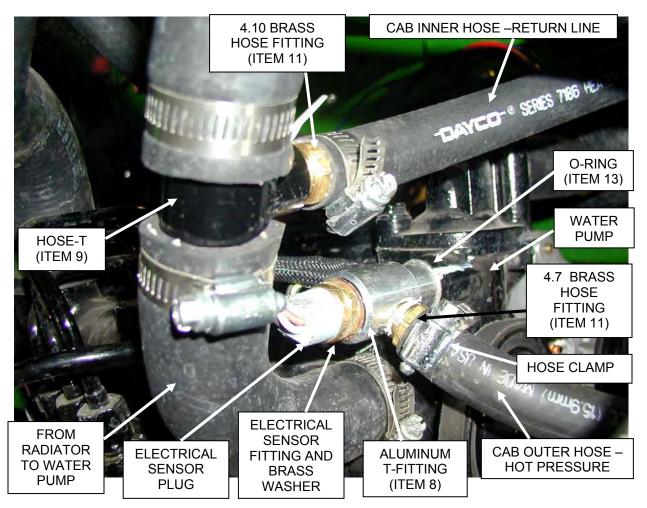


Figure 4-1

#### Return Line -from cab heater:

- 4.8) The return line will be hooked up using a hose-T, two 1-1/4" hose clamps and one brass fitting (Items 10, 11, 12 and 9 on mount kit drawing 4-14563).
- 4.9) Select the radiator hose that runs from the radiator to the water pump. Unclamp the hose at the radiator and remove an internal hose spring if the unit has one inside this hose.
- 4.10) Measure and mark the radiator hose from the water pump, 8 inches. Cut the radiator hose, removing a 3/4" section of the hose and install the hose-T (Item 9) and the two 1-1/4" hose clamps. Orientate the hose-T fitting so that the brass hose fitting (Item 11) can be installed easily.
- 4.11) Re-install the internal hose spring into the radiator hose.
- 4.12) Install the brass hose fitting with pipe seal tape or liquid pipe seal compound (Item 11) into the hose-T (Item 9).
- 4.13) Select the remaining cab hose (This should be the inner-return line), measure to the fitting, trim to length and install hose onto the brass fitting, securing it with a 5/8" hose clamp (Item 12).

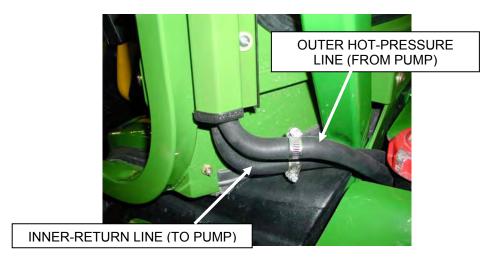


Figure 4-2

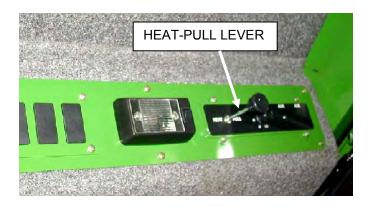


Figure 4-14

#### Filling the radiator:

4.14) Fill the radiator. Start the engine and let it run at fast idle. From the inside of the cab, pull the heat-pull lever out (See Figure 4-14), to circulate fluid through the heater lines. It may take several minutes to purge the air from the lines. Check the radiator level and add fluid until system is free of air.

#### ROTARY BRUSH ANTI-KICKBACK STOPS

FOR COZY CAB A-11241 and JOHN DEERE 1400 TRACTORS WITH ROTARY BRUSH ATTACHMENTS.

- A. Even though the rota ry brush frame appears to have clearance when raised all the way up, the lin kage of the assembly could allow the boom of the rotary brush to bo unce therefore, contacting the cab when driving over rough terrain. The Rotary Brush Anti-Kickback stops will prevent the rotary brush's boom from contacting the cab when the brush is raised up.
- B. Remove the pin and chain links from each side of the front underside of the tractor deck. See Figure B.
- C. Re-use the pin to secure the Antikickback Stops # 1-44164. See Figure C1 and C2.



Figure C1

D. When the rotary brush is not used, reinstall the chain links and pin. See Figure D.

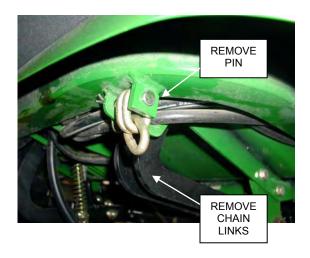


Figure B

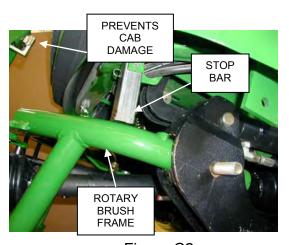


Figure C2



Figure D

## John Deere 1400-1500 Series 2 Heater Hook-Up Kit 8-14856

DATE: 8-23-04

FOR COZY CAB A-11241 and JOHN DEERE 1400-1500 Front mount tractors, SERIES 2 MODELS

Manufacturers have been known to change engines, water pumps, alternators and other components to improve performance of their product at anytime. In the case of John Deere's 1400-1500 Series 2 models, the water pump changed and an alternator bracket now makes it difficult to install the proper fittings for the Cozy Cab heater hookup.

Installation Steps (See Figure A);

- 1. The engine coolant should be drained, if not done so already.
- 2. Thread the metric jam nut onto the aluminum fitting.
- 3. Place brass washer against the jam nut.
- 4. Remove the threaded seal plug on the thermostat engine area near the alternator bracket, opposite the side from the temperature sensor.
- 5. Install the aluminum fitting with the jam nut and washer and position the fitting so that the brass fitting can be installed easily. Tighten the aluminum fitting by backing the jam nut against the brass washer.
- 6. Install the brass fitting with pipe thread seal tape into the aluminum fitting.
- 7. Connect the heater hose and hose clamp supplied with the cab's heater kit, to the brass fitting.

The lower return line hookup that connects to the lower radiator hose remains unchanged. Refer to cab mounting instruction manual 05-10386, if not connected.

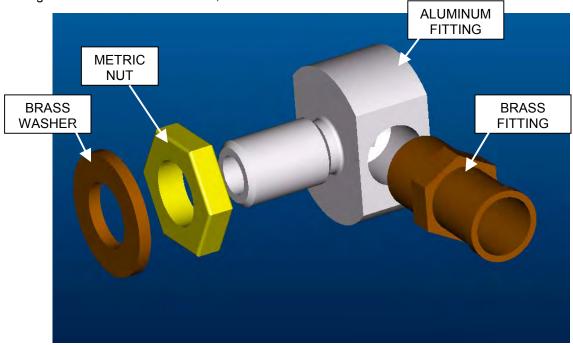


Figure A

Any you have questions or comments, feel free to contact us at:



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#### Seat Seal Kit 4-14915 and Addendum Notes John Deere 1400-1500 Series 2

DATE: 1-10-05

FOR COZY CAB A-11241 and JOHN DEERE 1400-1500 Front mount tractors, SERIES 2 MODELS

- B1. Electrical wiring revision; In step 3.10 of the mounting instruction manual states connecting the blue wire from the wire relay harness to a brown connector located under the seat. Series 2 models no longer have this brown connector. Using a test light, locate a control wire that becomes positive (+) when the key switch is turned on. Remove the blade connector and splice-connect the blue wire from the relay pin 86 of the wire relay harness using a blue 3-way splice (3-10982) supplied with this addendum to a control wire. Refer to drawing 3-17753 in the mounting instruction manual.
- B2. Heater hookup comments; Units vary depending on the features of the tractor. A combination of fittings and additional shimming of the alternator may be needed to install the heater hookup fittings.
- B3. Install Seat Seal Kit 4-14915. See figures 1-7.

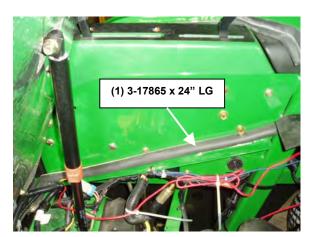


Figure 1

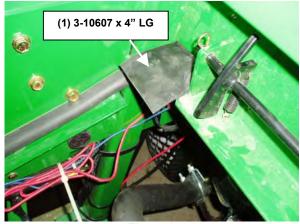


Figure 2

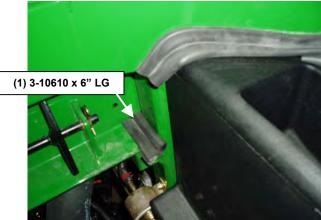


Figure 3

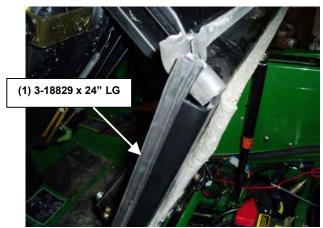


Figure 4

#### Seat Seal Kit 4-14915 and Addendum Notes John Deere 1400-1500 Series 2

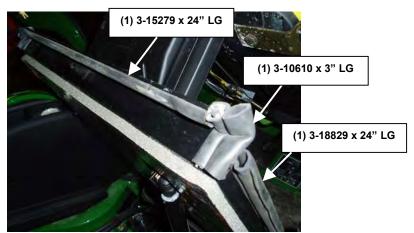


Figure 5



Figure 6

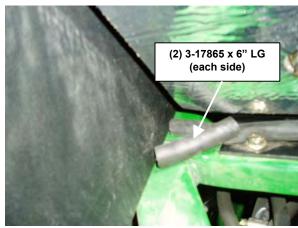
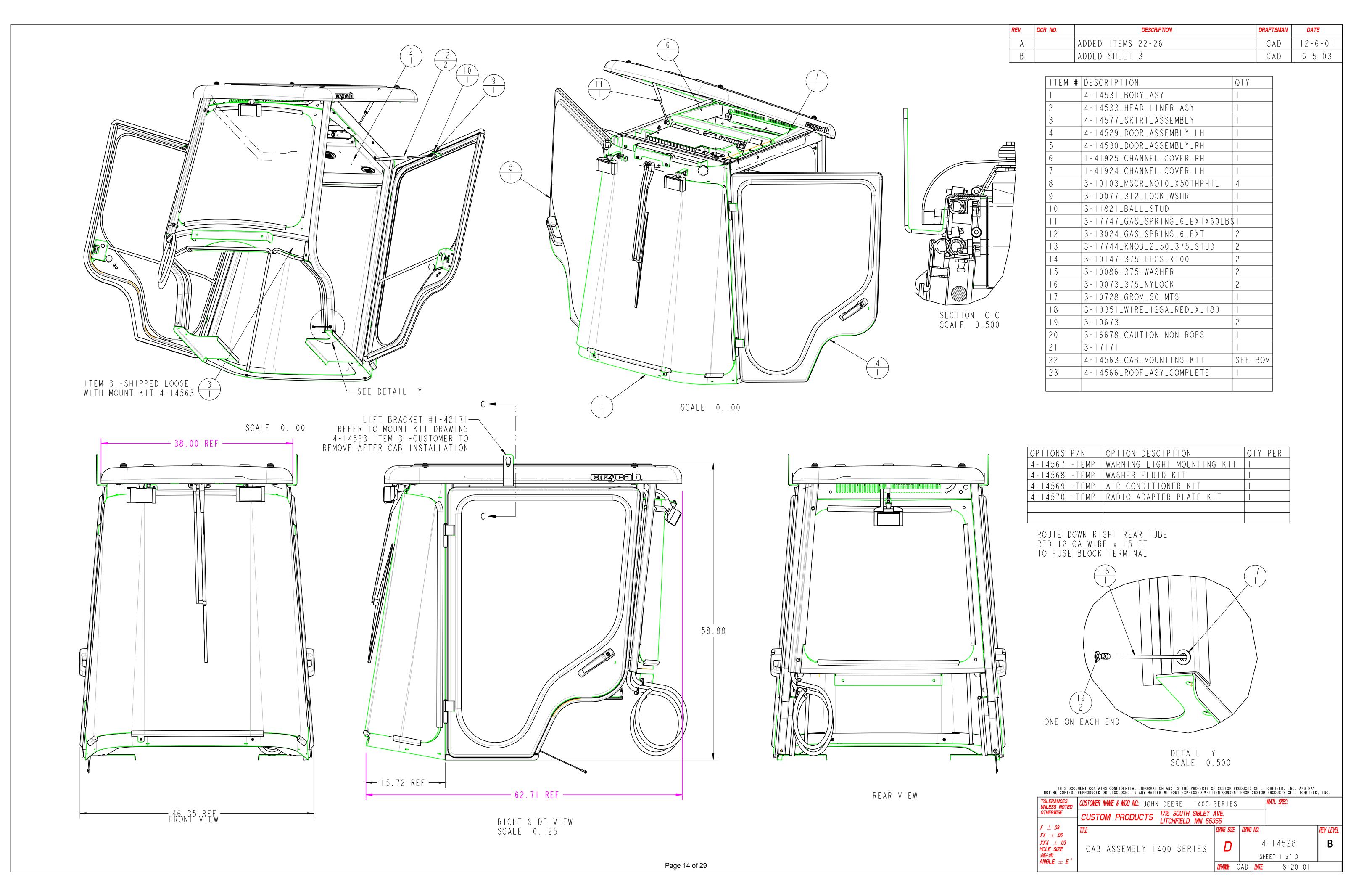


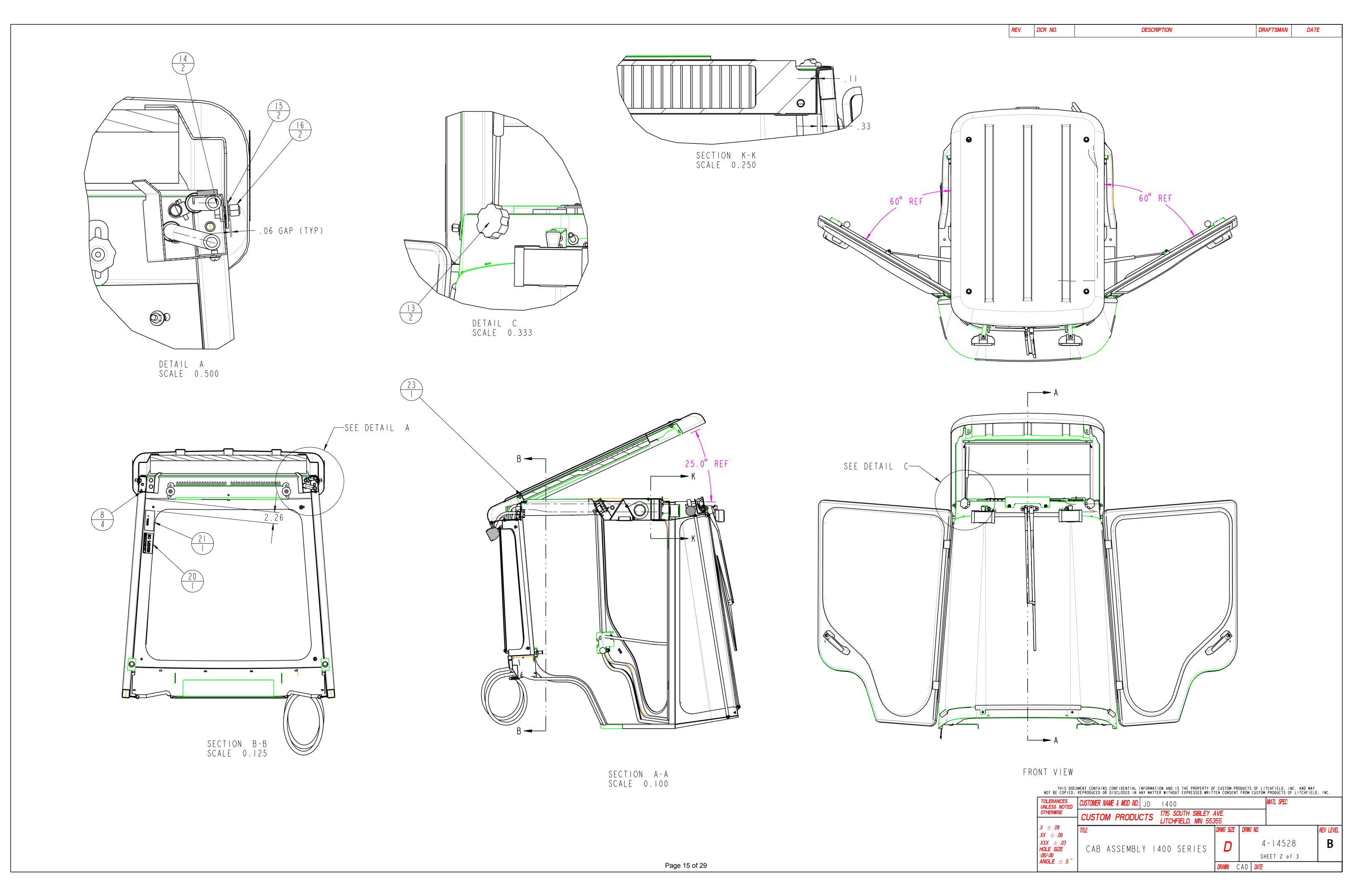
Figure 7

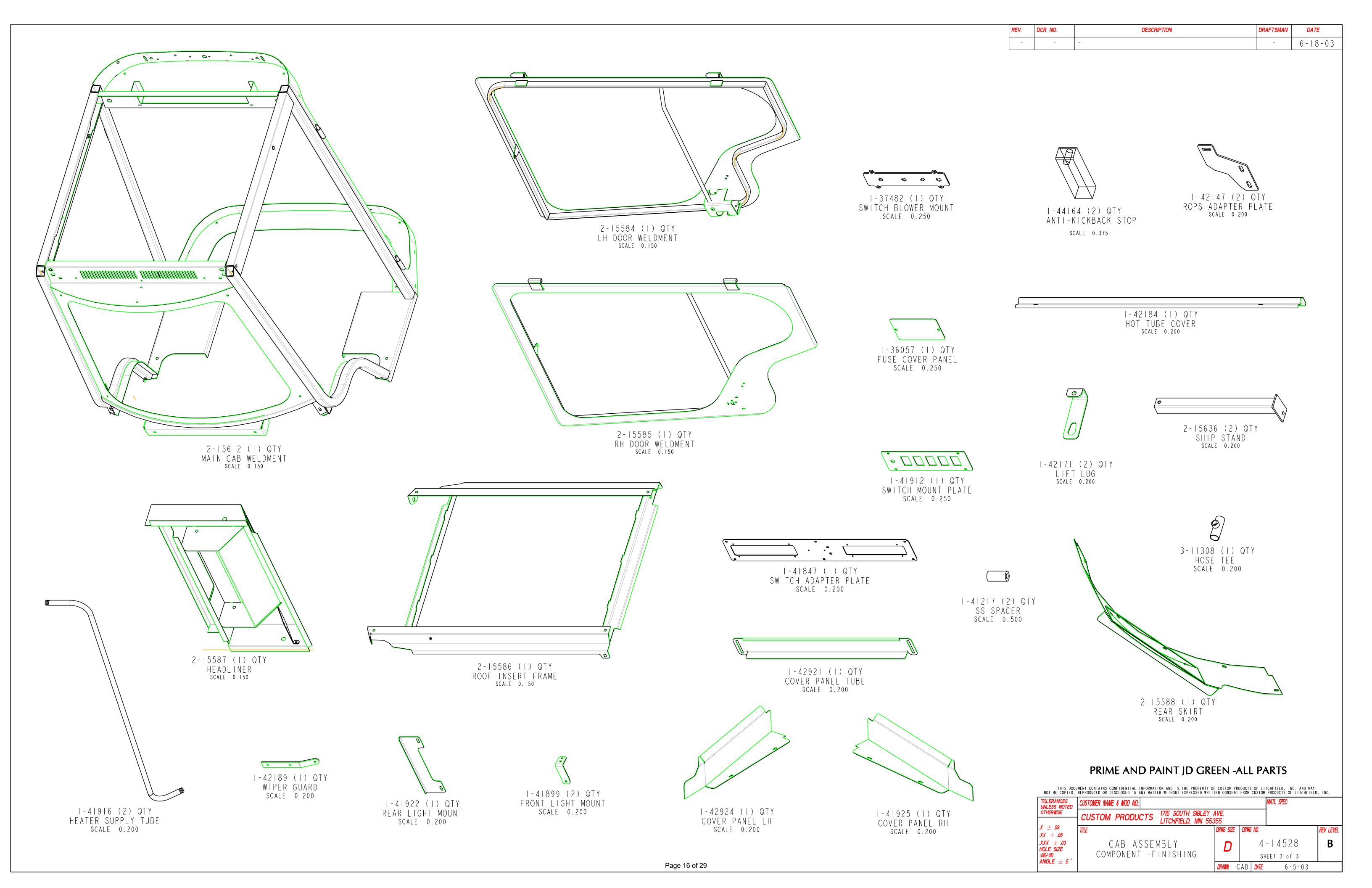
Any you have questions or comments, feel free to contact us at:

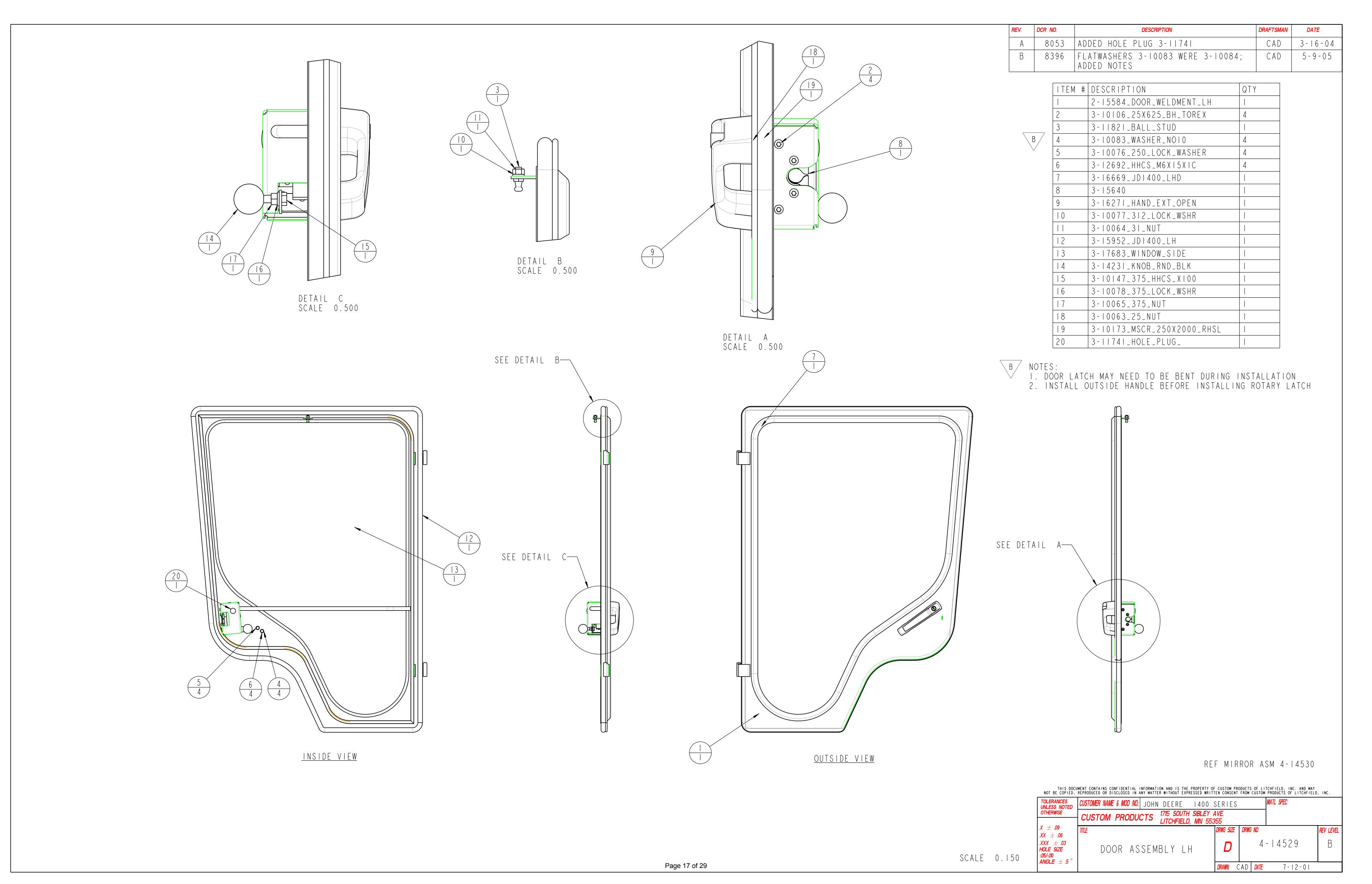


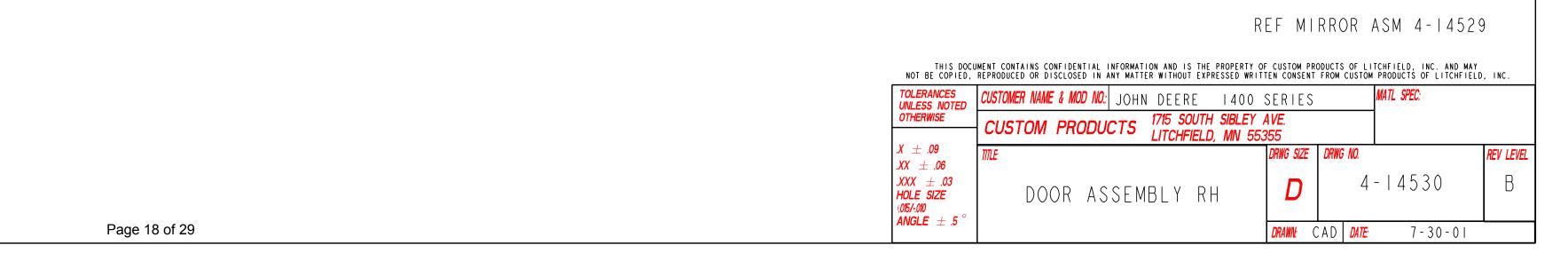
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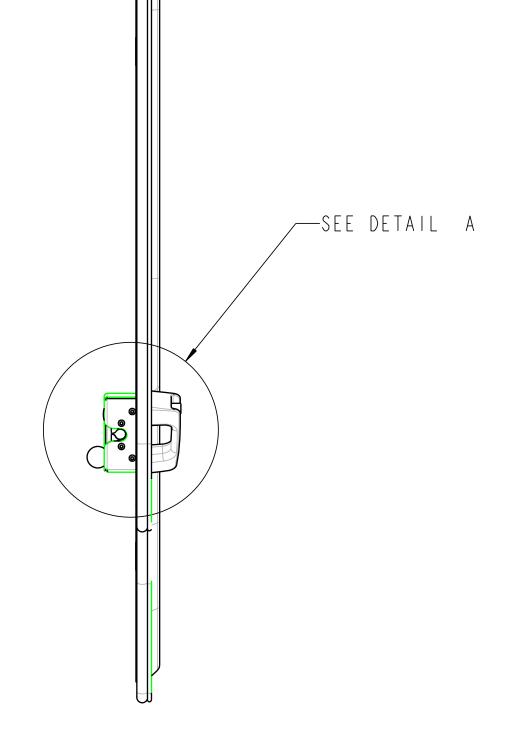












NOTES:

I. DOOR LATCH MAY NEED TO BE BENT DURING INSTALLATION

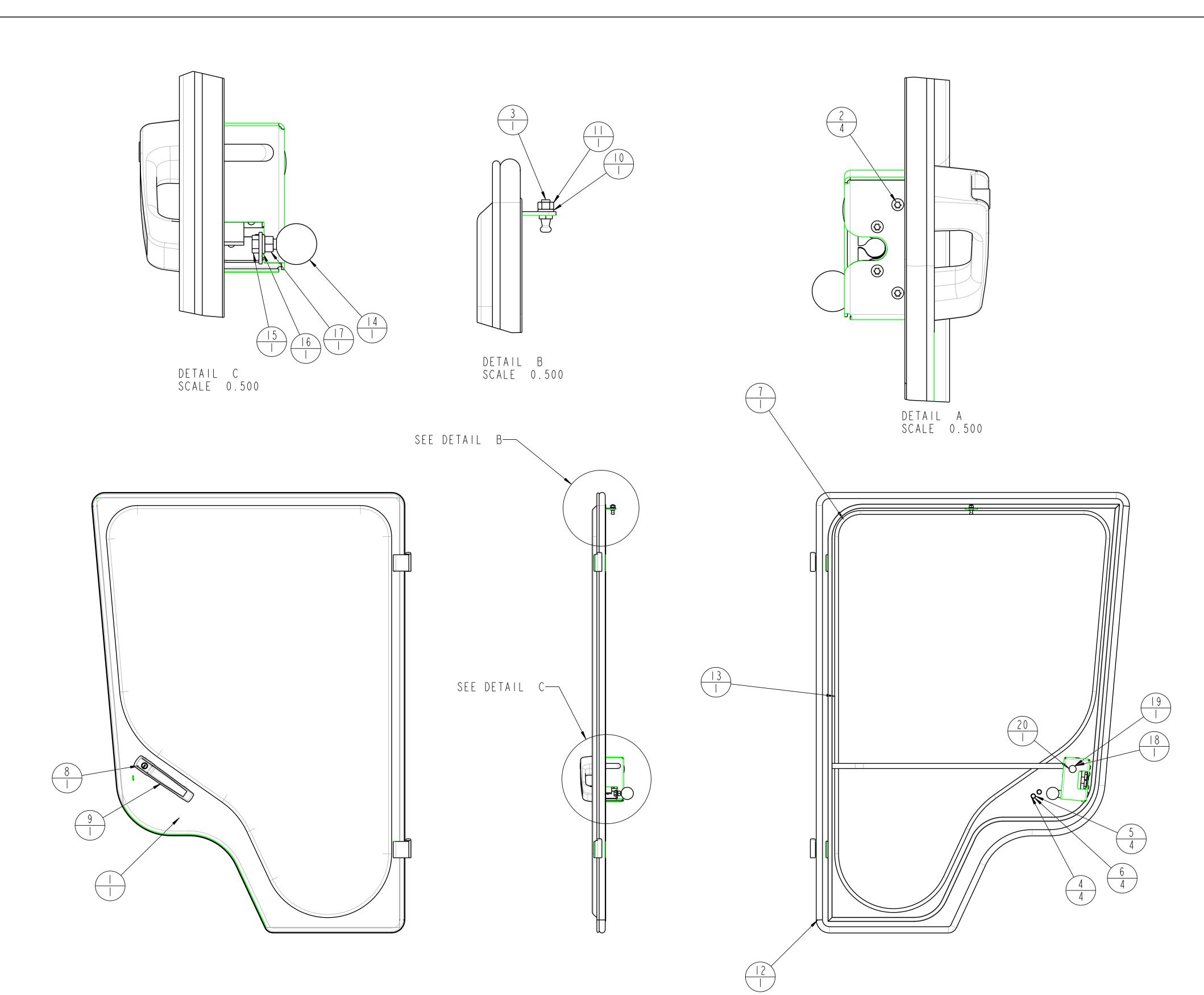
2. INSTALL OUTSIDE HANDLE BEFORE INSTALLING ROTARY LATCH

18	3-10063_25_NUT
19	3-10173_MSCR_250X2000_RHSL
20	3-11741_HOLE_PLUG_
	SEE DETAIL A
	IJ
	<b>Y</b>

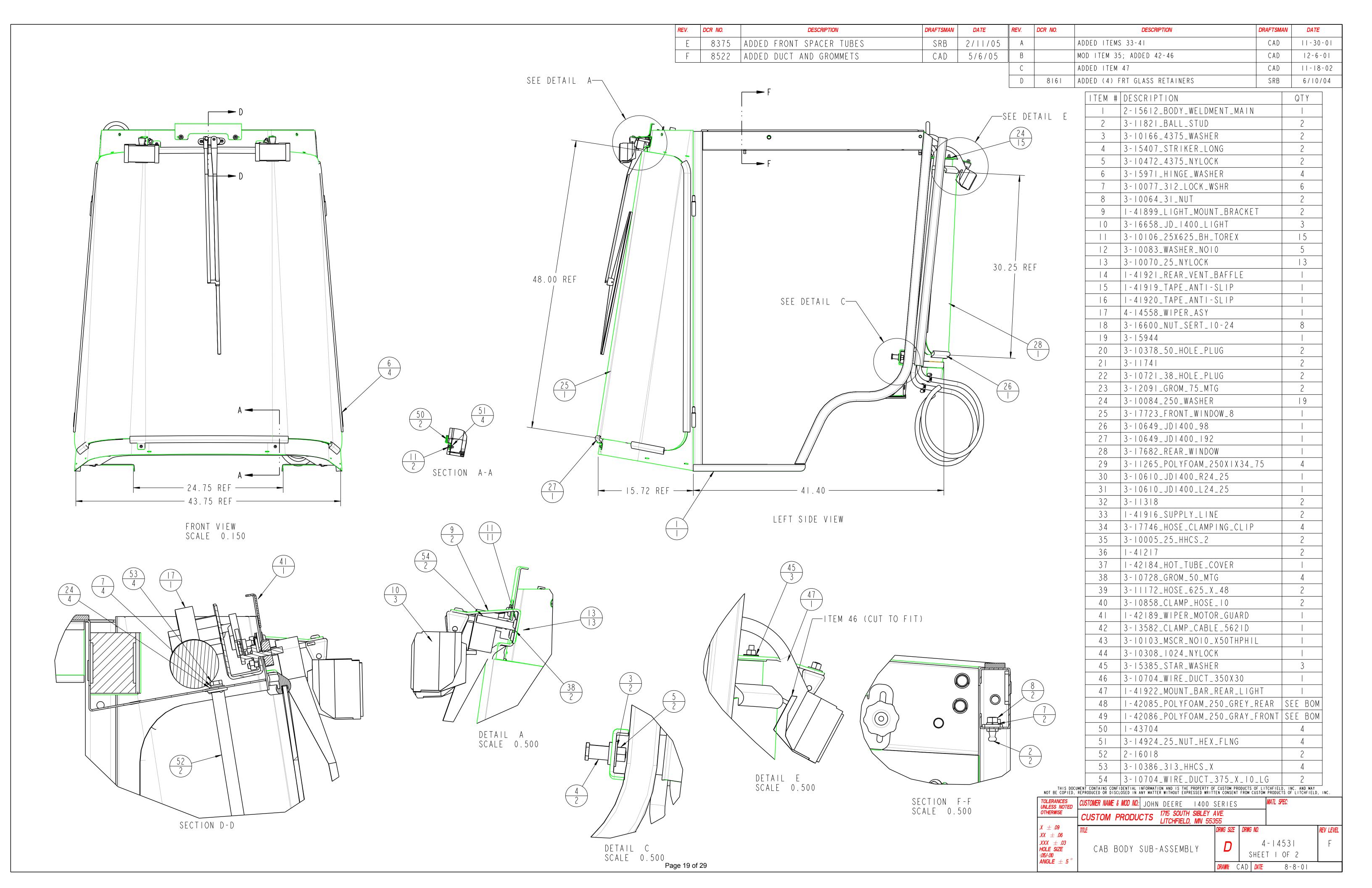
	2-15585_DOOR_WELDMENT_RH	
2	3-10106_25X625_BH_TOREX	4
3	3-11821_BALL_STUD	
4	3-10083_WASHER_NOIO	4
5	3-10076_250_LOCK_WASHER	4
6	3-12692_HHCS_M6X15X1C	4
7	3-16669_JD1400_RHD	
8	3-15567	
9	3-16271_HAND_EXT_OPEN	1
10	3-10077_312_LOCK_WSHR	
	3-10064_31_NUT	1
12	3-15952_JD1400_RH	
13	3-17683_WINDOW_SIDE	
4	3-14231_KNOB_RND_BLK	
15	3-10147_375_HHCS_X100	
16	3-10078_375_LOCK_WSHR	
17	3-10065_375_NUT	
18	3-10063_25_NUT	
19	3-10173_MSCR_250X2000_RHSL	
20	3-11741_HOLE_PLUG_	

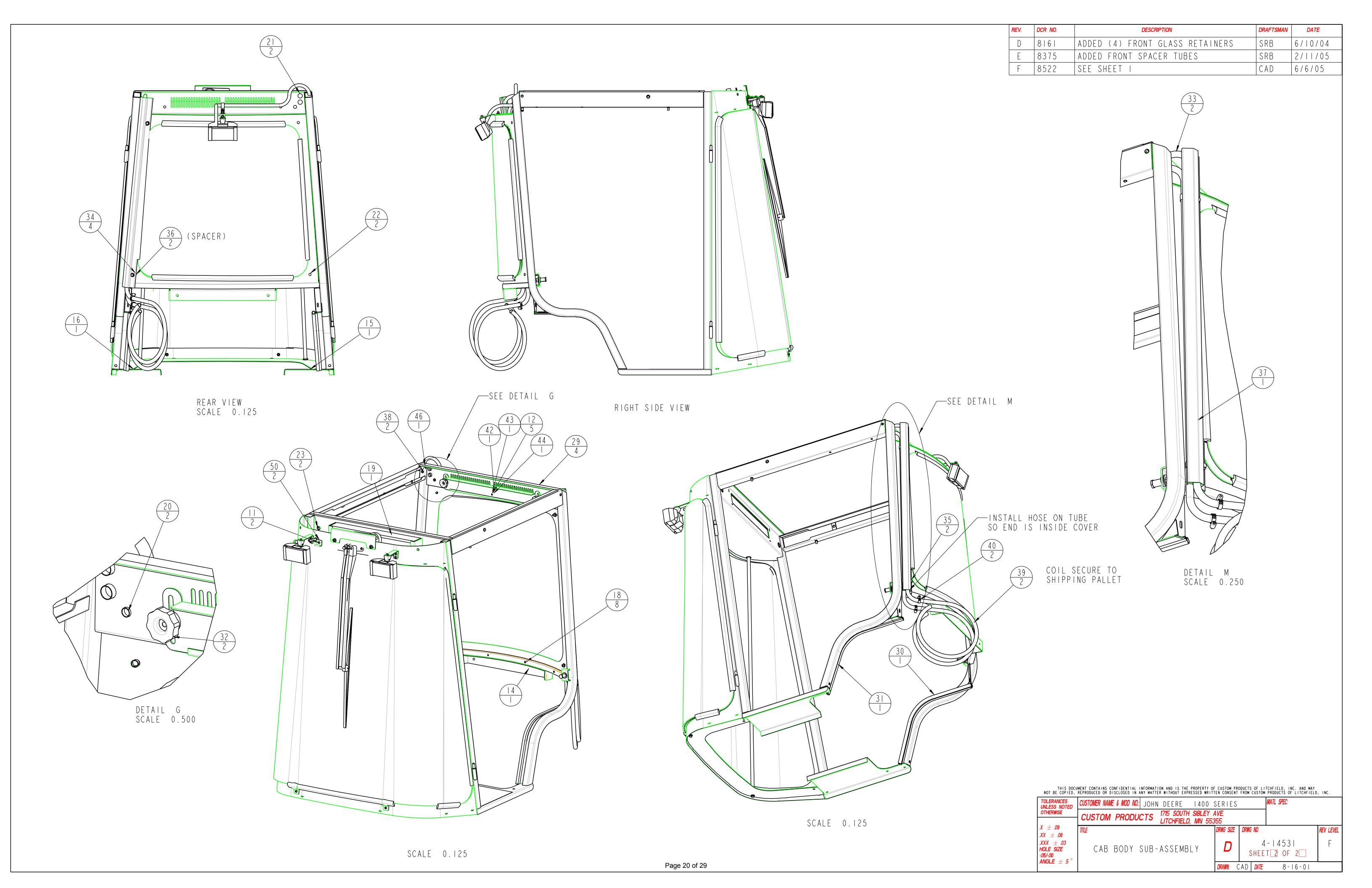
A	0033	ADDLD HOLL I LOO 3 I I I 41		CAU	3 10 0
В	8396	WASHER 3-10083 WAS 3-10084; ADDED NOTES		CAD	5 - 9 - 0 !
	ITEM	# DESCRIPTION	QTY		
	I	2-15585_DOOR_WELDMENT_RH			
	2	3-10106_25X625_BH_TOREX	4		
	_ 3	3-11821_BALL_STUD			
$\backslash B$	4	3-10083_WASHER_NO10	4		
$\vee$	5	3-10076_250_LOCK_WASHER	4		
	6	3-12692_HHCS_M6X15X1C	4		
	7	3-16669_JD1400_RHD			
	8	3-15567			

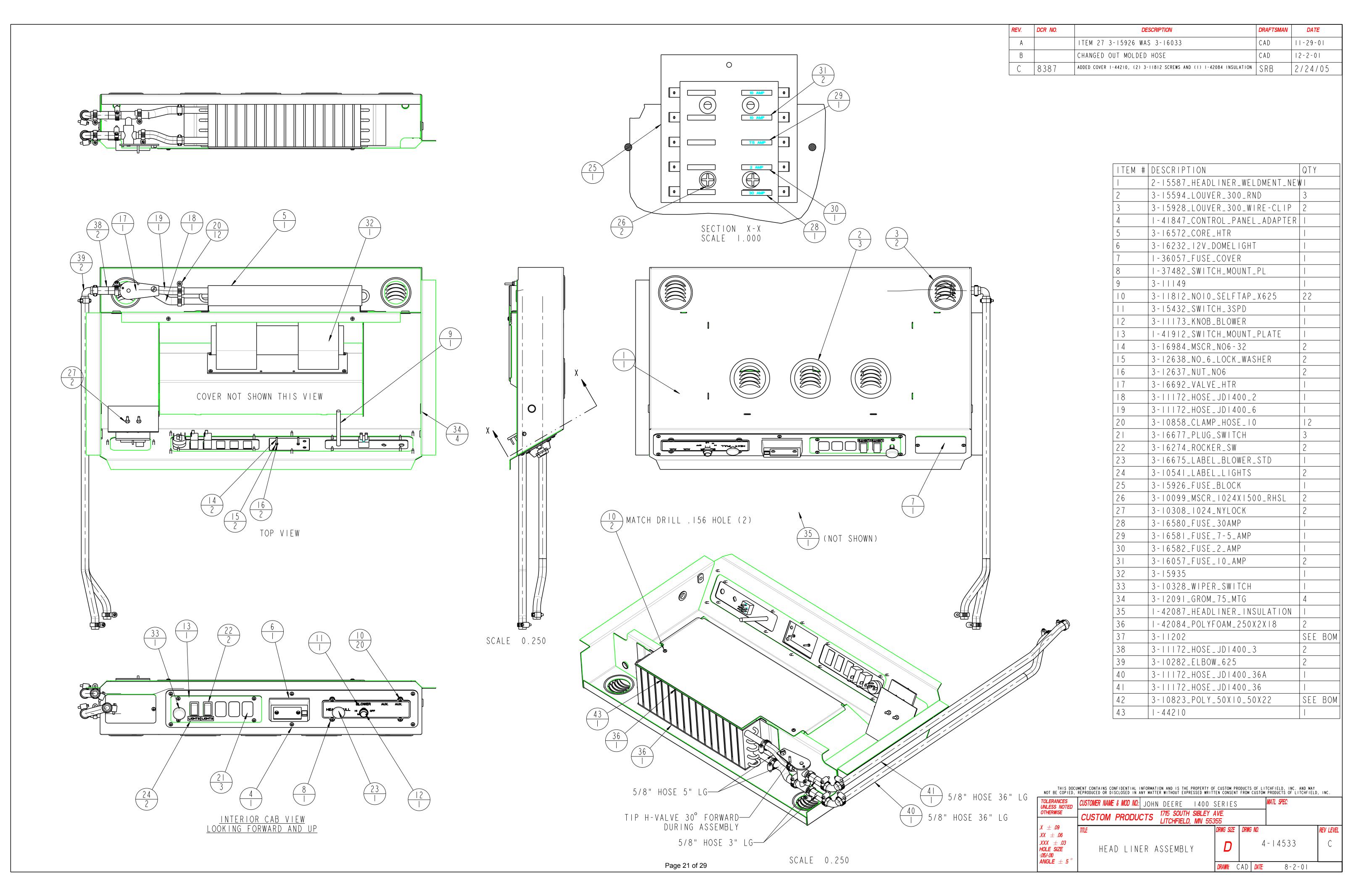
REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
А	8053	ADDED HOLE PLUG 3-11741	CAD	3 - 16 - 04
В	8396	WASHER 3-10083 WAS 3-10084; ADDED NOTES	CAD	5 - 9 - 0 5

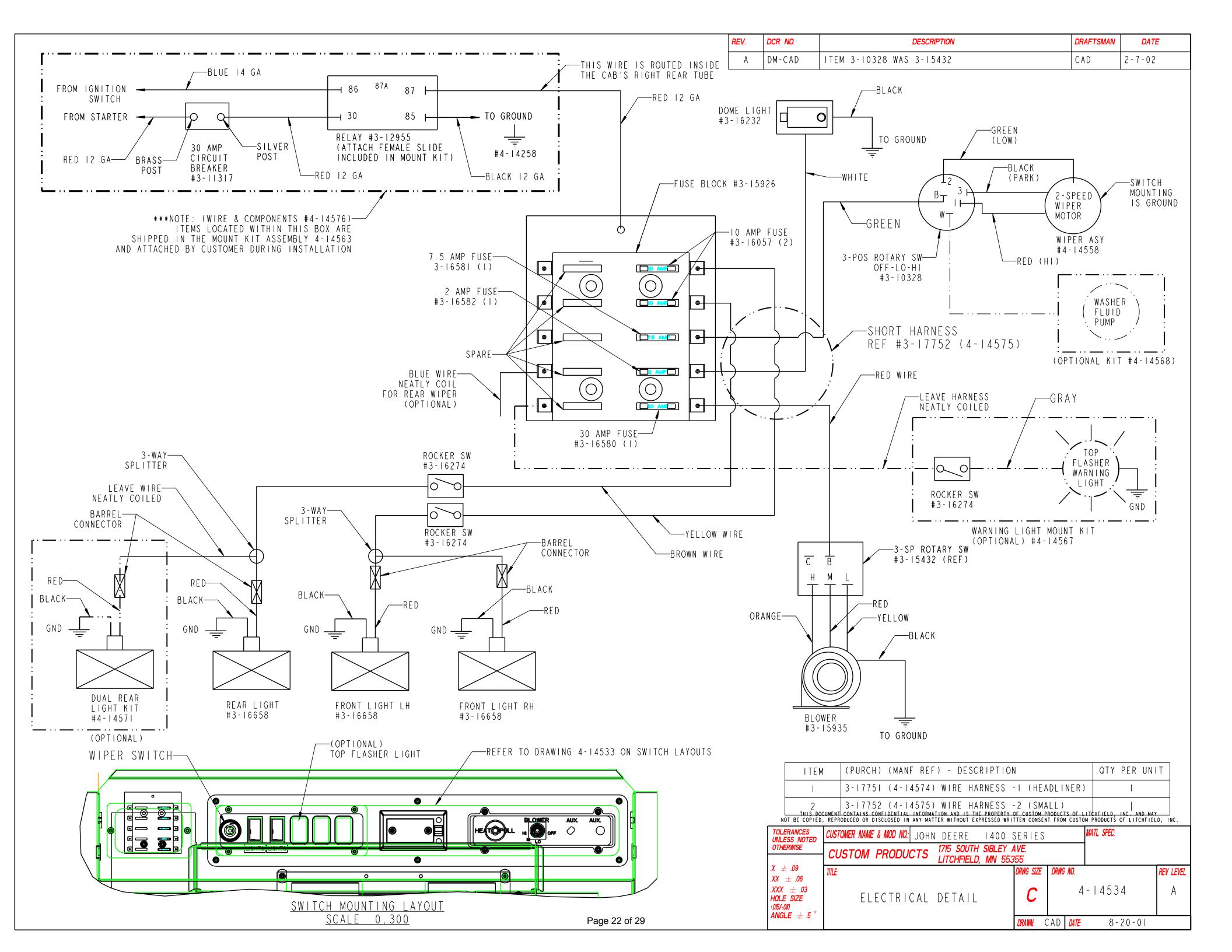


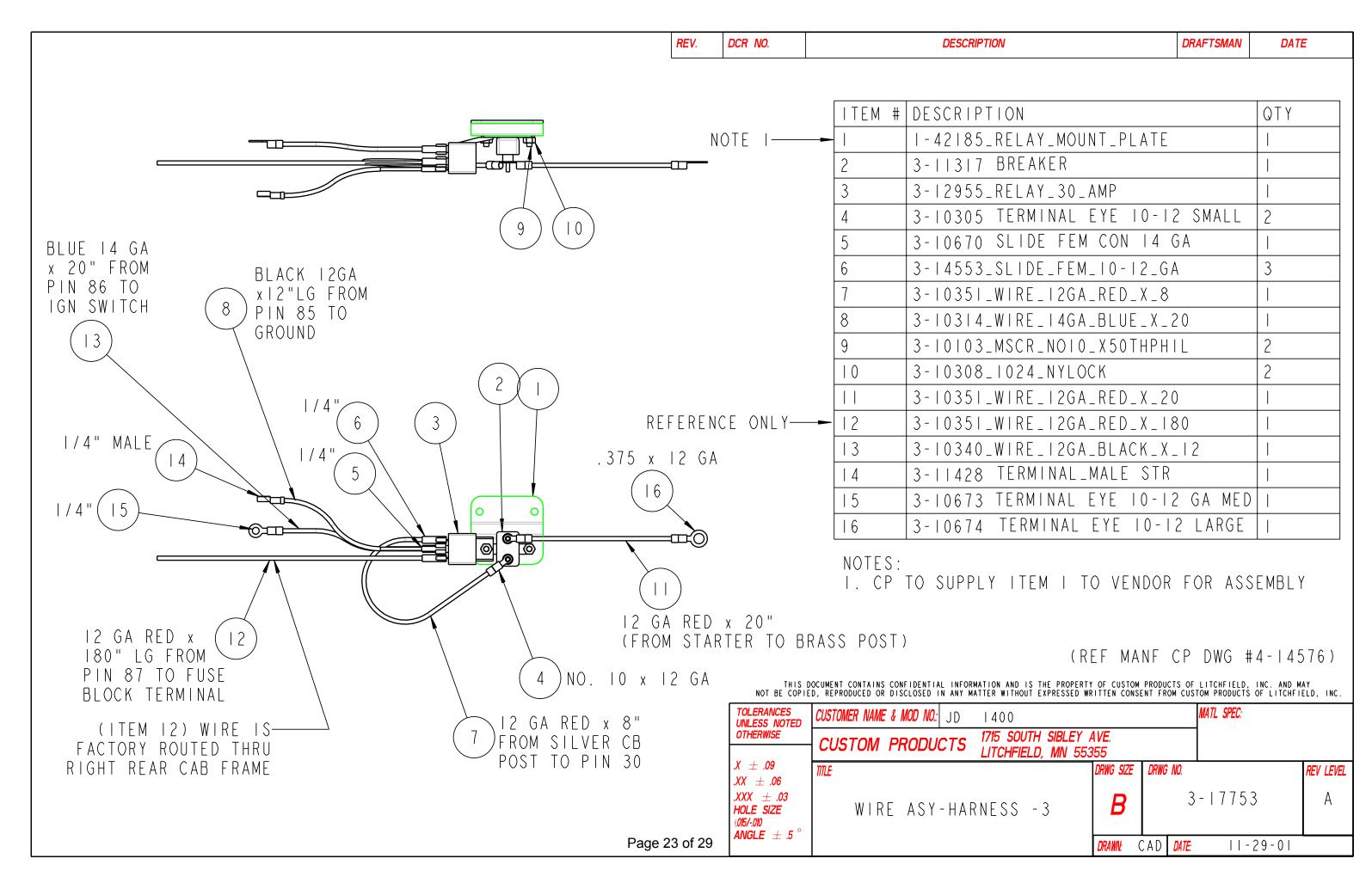
SCALE 0.150



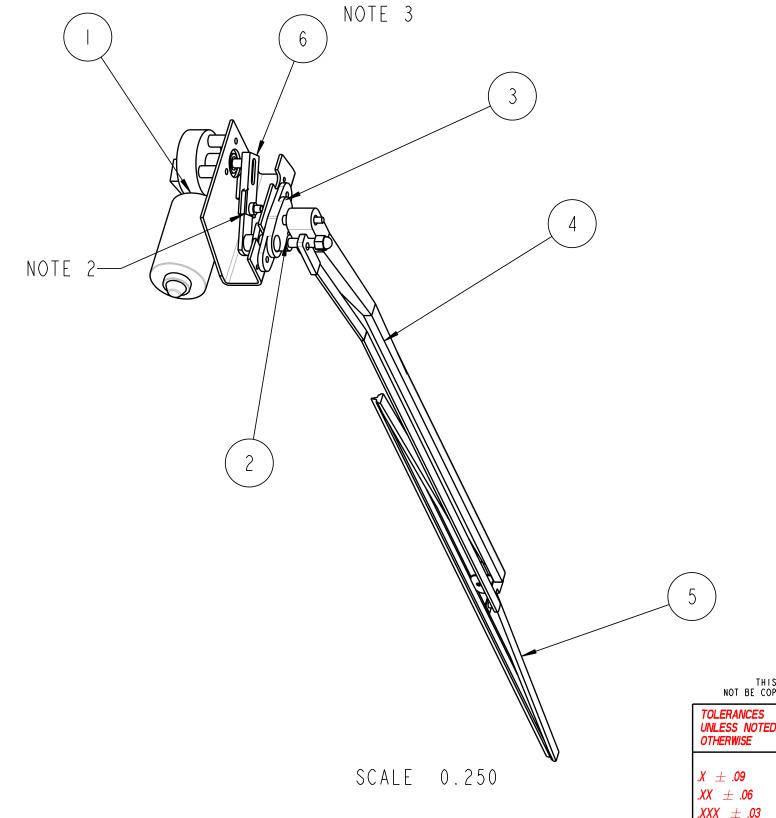








REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
А		ADDED SETTING NOTES	CAD	2-7-02



ITEM #	DESCRIPTION	QTY
	3-15719	
2	3-16058_WIPER_SHAFT_IIN_MOD_DWG	
3	3-16211_PANTO_ADAPTER	
4	3-15238_24	
5	3-15682_24	
6	3-16818_DRIVE_ARM_ADJ	

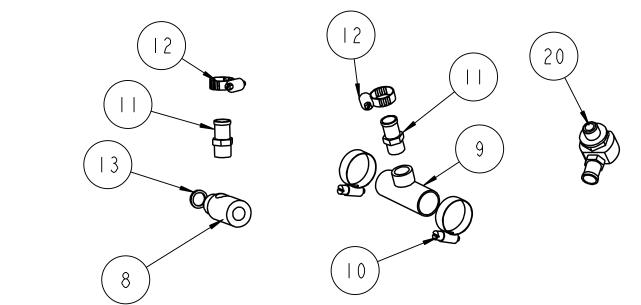
### WIPER SETTING NOTES:

- I. PARK BLADE TO RIGHT SIDE (LOOKING FORWARD)
  2. WIPER SETTING TO "B" SLOT
  3. SET CONNECTION ARM SO IT IS FLUSH TO ENDS

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:D	CUSTOMER NAME & MOD NO: JOHN DEERE 1400 S	SERIES	MATL SPEC:	
	CUSTOM PRODUCTS 1715 SOUTH SIBLEY A			
		DRWG SIZE	DRWG NO.	REV LEVEL
0	WIPER UNIT ASSEMBLY	В	4-14558	А
		DRAWN: (	CAD DATE: 8-17-01	

HOLE SIZE +.015/-.010 ANGLE  $\pm$  .5



REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
С	7771	ALUMINUM FITTING 3-17262 WAS 3-16264	CAD	2-10-03
D	-	CORRECTED QTY'S	CAD	11-21-03
E	8360	1-44164 WAS 2-15702	SRB	1/27/05
F	10030	ADDED BAG AND INSTRUCTIONS	SRB	12/10/10
G	11109	ADDED HARDWARE FROM SKIRT ASSY	SRB	12/11/13

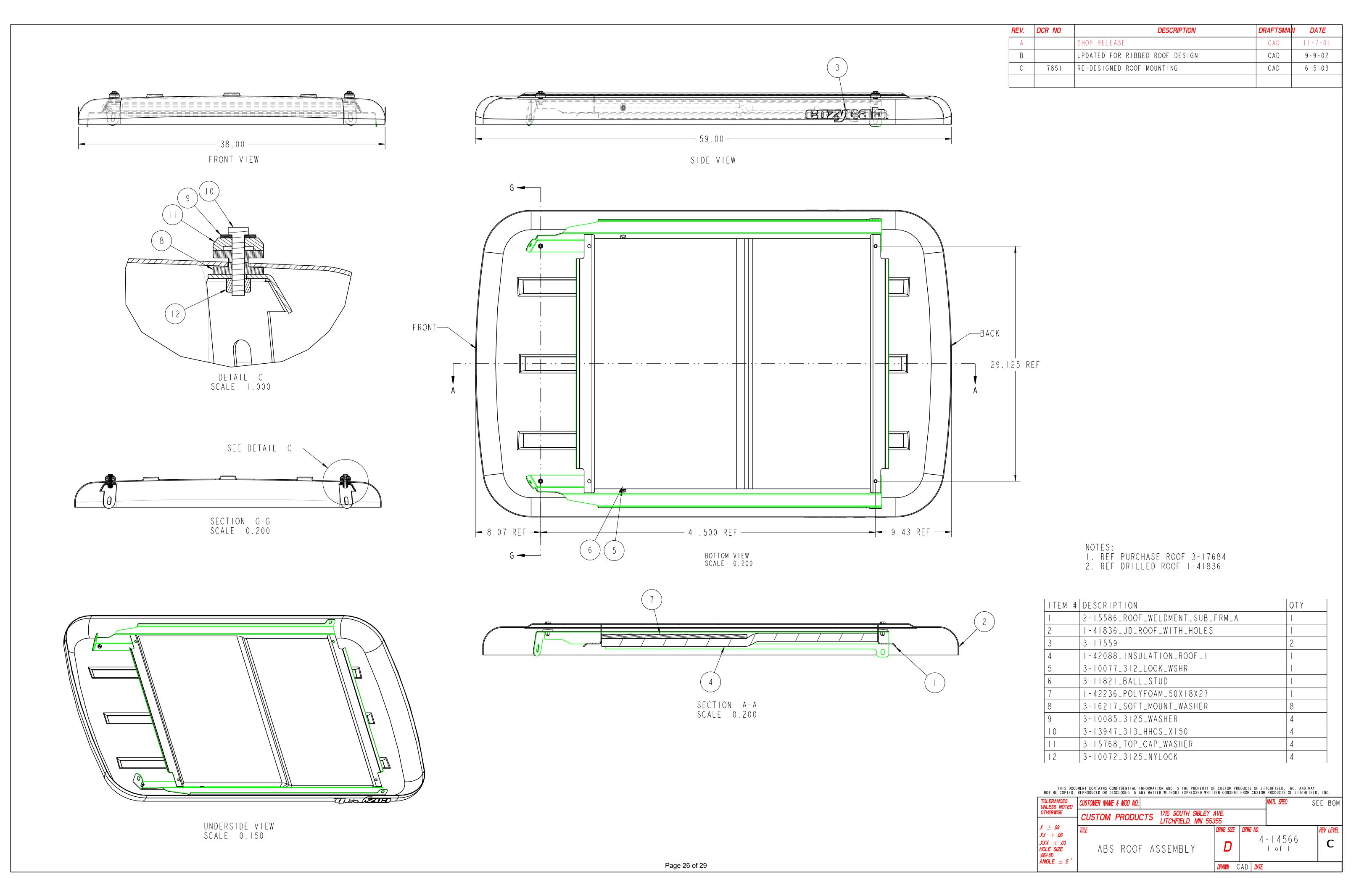
[14] <b>E</b>	PLACE ALL ITEMS	IN BOX 11 x 6.5 x 44	<u>, 3-12115</u>
	5	ITEMS ARE SHIPPE CUSTOMER TO INST UNDERSIDE OF CAE BEFORE INSTALLAT	TALL ON B
3			
2 22 15		7	G THIS DO
(23)			THIS DO NOT BE COPIED  TOLERANCES UNLESS NOTED OTHERWISE  .X ± .09 .XX ± .06

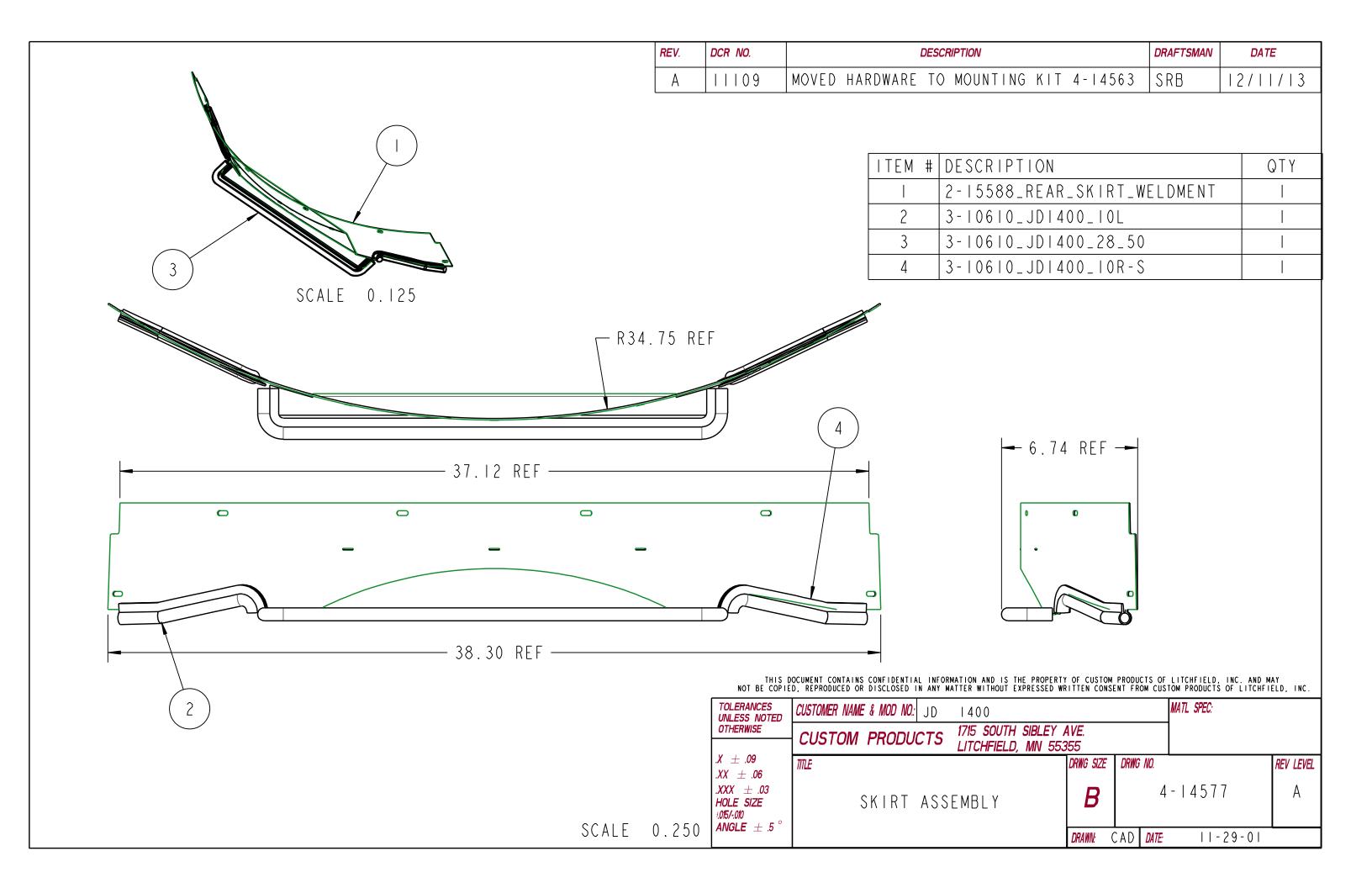
NOTE: ITEM 16 (DIA .350 x 5'-0" LG) WIRE LOOM, IS NOT SHOWN

ITEM #	DESCRIPTION	QTY
1	3-10073_375_NYLOCK	6
2	3-16797_MSCR_38_X_100_BH_SOCK	6
3	I-42I47_ROPS_ADAPTER_PLATE	2
4	3-10086_375_WASHER	12
5	3-17739_MOUNTING_PADDING_FRONT	
6	3-17741_MOUNT_PAD_LEFT_SIDE	
7	3-17740_MOUNT_KIT_RIGHT_SIDE	
8	3-17262_FITTING_HEATER_ALUMINUM	I
9	2-11308 WELDMENT, HTR TEE	I
10	3-13442_HOSE_CLAMP	2
11	3-12119 3/8 NPT TO 5/8 BARB FITTING	2
12	3-10858_CLAMP_HOSE_10	4
13	3-16823_O-RING	I
I 4	3-17753_WIRE_ASY-HARNESS-3	I
15	4-14577_SKIRT_ASSEMBLY	I
16	3-10704_WIRE_LOOM_375_X_60	I
17	I-44164 STOP, ANTI-KICKBACK	2
18	05-10386_MOUNT_INSTR	
19	3-16265_BAG_ZIP_10_X_12	
20	4-I4856_FITTING_KIT_SERIES_2	
21	3-17331_MSCR_NOIO_X50PHPHIL	6
22	3-10083_WASHER_NOIO	8
23	3-10308_1024_NYLOCK	2

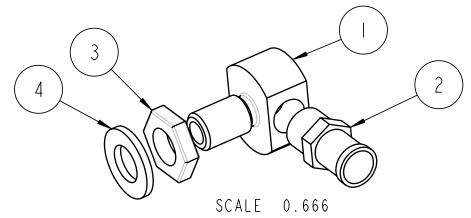
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TOLERANCES UNLESS NOTED	CUSTOMER NAME & MOD NO.: JD 1400 SERIES		MATL SPEC:	
OTHERWISE	CUSTOM PRODUCTS 17/15 SOUTH SIBLEY A			
$.$ X $\pm$ .09 $.$ XX $\pm$ .06	TILE	DRWG SIZE	DRWG NO.	REV LEVEL
.XXX ± .03 HOLE SIZE +.015/010 ANGLE ± .5°	CAB UNIT MOUNT KIT	В	4-14563	G
AIVOLE ± .5		DRAWN: C	AD <b>DATE</b> 10-15-01	





REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
-	-	RELEASED	CAD	8 - 20 - 04

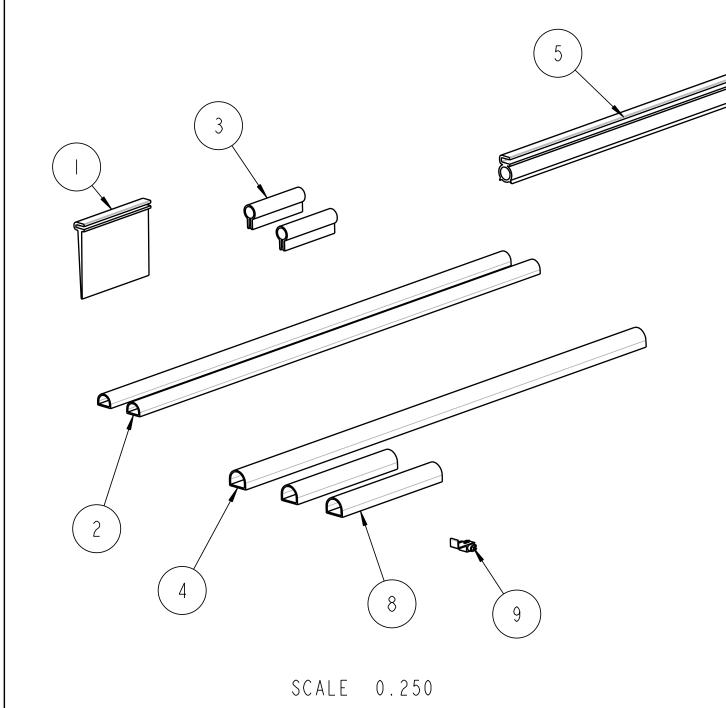


ITEM #	DESCRIPTION	QTY
	3-18258_FITTING_ALUM_JAM_TYPE	
2	3-12119_F1TT1NG_BRASS_375_TO_62	
3	3-18259_M16_NUT_HEX_JAM	
4	3-18260_WASHER_BRASS_MI6	
5	3-I5288_BOX_5X5X5	SEE BOM
6	3-16265_ZIPBAG_10_X_12	SEE BOM
7	05-10484_ADDENDUM_SHEET	SEE BOM

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TOLERANCES UNLESS NOTED	CUSTOMER NAME & MOD NO.: JD 1400 SERIE	S 2	MATL SPEC:	SEE BOM
OTHERWISE	CUSTOM PRODUCTS 1715 SOUTH SIBLE			
$.$ X $\pm$ .09 $.$ XX $\pm$ .06	TITLE:	DRWG SIZE	DRWG NO.	REV LEVEL
.XXX ± .03 HOLE SIZE +.015/010 ANGLE ± .5°	HEATER FITTING KIT 1400 SERIES 2	A	4-14856	-
		DRAWN: C	AD DATE: 8-20-	- 0 4

	REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
					1-20-05
·					



ITEM #	DESCRIPTION	QTY
	3-10607_FLAP_SEAL_3_X_4_IN_LG	
2	3-15279_SMALL_D_SEAL_24_IN_LG	2
3	3-10610_BUBBLE_RUBBER_3_IN_LG	2
4	3-16876_D-SEAL_LARGE_24_IN_LG	
5	3-15952_BUB_RUB_90_DEG_24_IN_LG	
6	3-14721_BOX_5X5X20	SEE BOM
7	05-10386B_ADDENDUM_SHEET	SEE BOM
8	3-16876_D-SEAL_LARGE_6_IN_LG	2
9	3-10982_SPLICE_3-WAY_BLUE	

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	NOT BE COPIE	D, REPRODUCED OR DISCLOSE	D IN ANY MATTER WITHOUT E	XPRESSED WRITTEN CONS	SENT FROM CUSTO	OM PRODUCTS OF LITCHFI	ELD, INC.
	TOLERANCES UNLESS NOTED	CUSTOMER NAME & MOD N	<i>IO</i> .: JD 1400-1500	SERIES 2	N	<b>NATL SPEC</b> : S [	E BOM
	OTHERWISE	CUSTOM PROD		SIBLEY AVE.			
			LITCHFIELD,	MN 55355			
	.X ± .09	TITLE		DRWG SIZE	DRWG NO.		REV LEVEL
	.XX $\pm$ .06						
	.XXX $\pm$ .03			<del>-</del>   <b>-</b>	4 -	14915	_
	HOLE SIZE	ISERTES 2	SEAT SEAL	$KIT \mid B$	<u>'</u>	1 10 10	
	+.015/010						
) d	f 29 $\pm$ .5 $^{\circ}$			DRAWN:	CAD DATE:	1-20-05	•

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