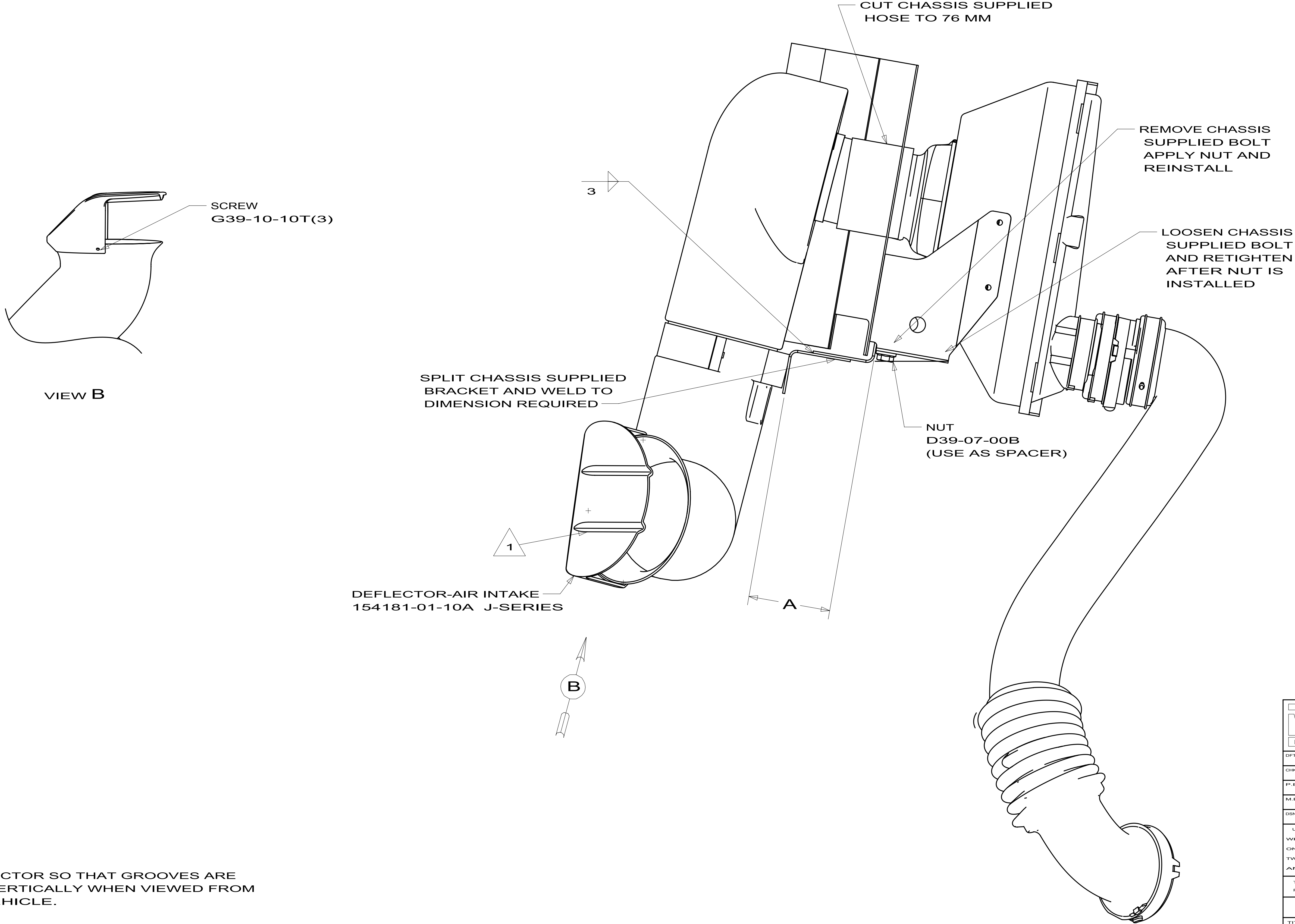


8		7	
DWG NO	-----	A	DEFLECTOR
147589-01	J SERIES	1	154181-01-CHT
147589-	D E SERIES	8	-----

1	
RELEASE	REV DATE
A	
DWG NO	147589
REV	ZONE
REVISION RECORD	
DATE	DFTR-ORIG



WORKHORSE
CHASSIS
ONLY

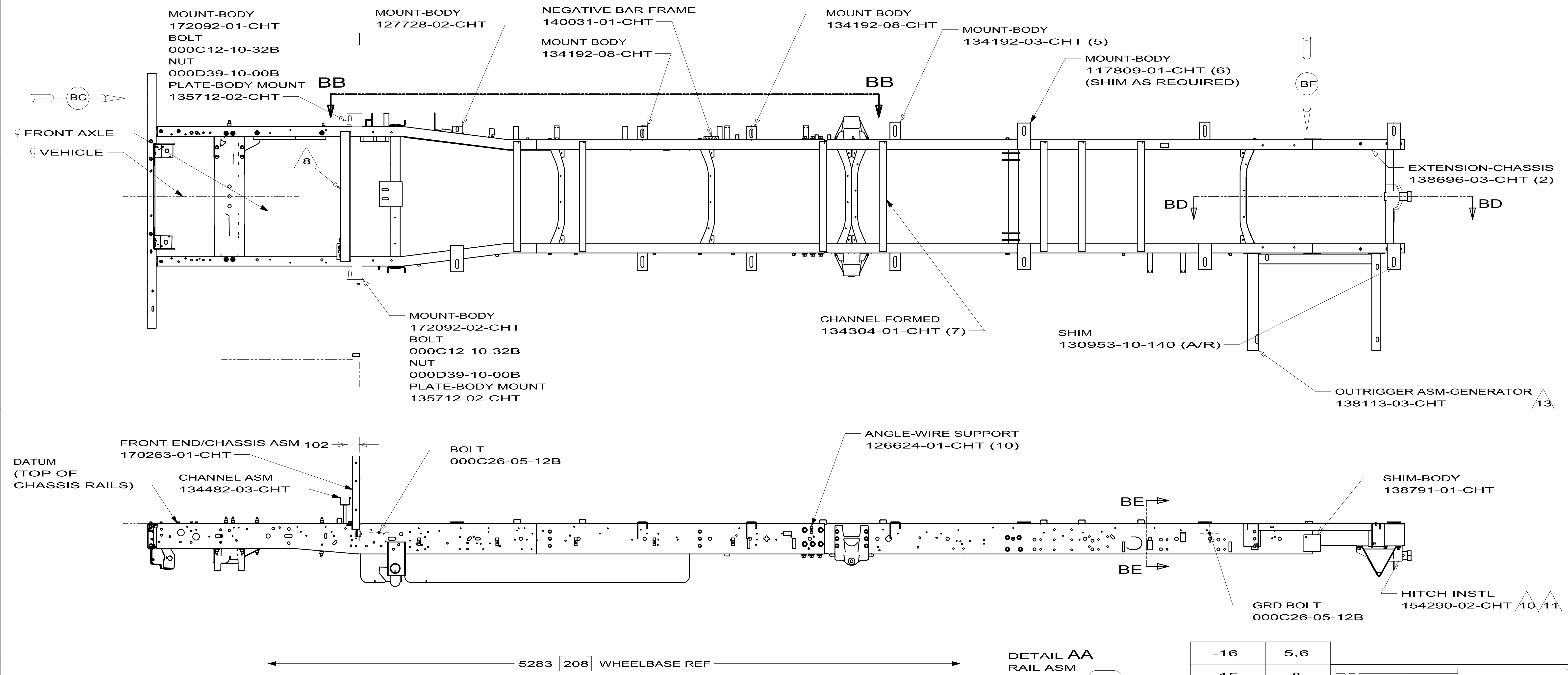
1. ORIENT DEFLECTOR SO THAT GROOVES ARE
POSITIONED VERTICALLY WHEN VIEWED FROM
FRONT OF VEHICLE.

WINNEBAGO INDUSTRIES		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
DFTR	ORIG. DATE		
CHRR	ALL DIMENSIONS ARE IN MILLIMETERS		
P.E.			
M.E.	FIRST USED		
DSNR	04 F,G-SERIES		
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X) : 3			
ONE-PLACE (X.X) : 1.5			
TWO-PLACE (X.XX) : 0.50			
ANGLE : 1°			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE: AIR INTAKE INSTL			
SHEET 1 OF 1	PART NO	147589	REV

DWG NO	CHASSIS
171844-01	FORD
171844-02	WORKHORSE
171844-03	WH DIESEL

- 16K
- 1PR
- IPE

RELEASE	REV	DATE	DWG NO	171844
	A			
REV	ZONE	REVISION RECORD	DATE	DFTR.Orig



8. MAINTAIN 25mm GAP FROM HOSE TO CHANNEL.

7. USE SHIMS AS REQUIRED.

6. INSTALL DOWNSTAIRS.

5. TORQUE NUT TO 140 ± 14 FT-LBS.

4. WELD PER ES0063, UNLESS OTHERWISE SPECIFIED.

3. SEAL ALL JOINTS OF COMPARTMENTS AND CLOSEOUT PANELS WITH SEALANT 053766-01-000.

2. CLEAN AND E-COAT ALL PIECE PARTS PRIOR TO ASSEMBLY.

1. CLEAN AND PAINT WITH UNDERCOATING 100053-02-000.
16. TRIM OFF END OF EXHAUST HANGER BOLT, LEAVING THREE THREADS EXTENDING FROM NUT.

15. TRIM FRAME RAILS TO THIS DIMENSION.

14. SHIELD TO BE CENTERED OVER EXHAUST TAILPIPE WITH NOTCH ON OUTBOARD END.

13. WELD CROSSMEMBER TO FRAME RAIL AND REMOVE BOLTS FROM LEFT SIDE BEFORE INSTALLATION OF OUTRIGGER ASM.

12. THIS SECTION OF ALUMINUM TUBE WILL BE CUTOUT IN THE MOTOR HOME PLANT USING THE FLOOR CUTOUT AS A GUIDE.

11. TORQUE BOLTS TO: 70-85 Nm (52-62 FT-LBS)

10. USE LOCTITE 062917-02-000 ON ALL THREADS WHEN INSTALLING BOLTS.

9. USE GIMP 113452-01-000 AS REQUIRED. (800mm)

- 1PE WORKHORSE 20,500 DSL 230HP
- 1PR WORKHORSE 22,000#-19.5 TIRE
- 16K FORD CHASSIS 22,000 LB

SEE CHART
FOR COLOR VARIATIONS
OF THIS PART

-16	5,6
-15	8
-14	3,4
-13	8
-12	7
-11	1,2
TAB NO	SHEET

WINNEBAGO INDUSTRIES

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INDUSTRIES, INC.

DFTR	ORIG. DATE
CHRR	
P.E.	ALL DIMENSIONS ARE IN MILLIMETERS
M.E.	FIRST USED
DSNR	10 E32K

UNSPECIFIED TOLERANCES ARE:
WHOLE DIM (X) : 3
ONE-PLACE (X.X) : 1.5
TWO-PLACE (X.XX) : 0.50
ANGLE : 1°

MATERIAL:

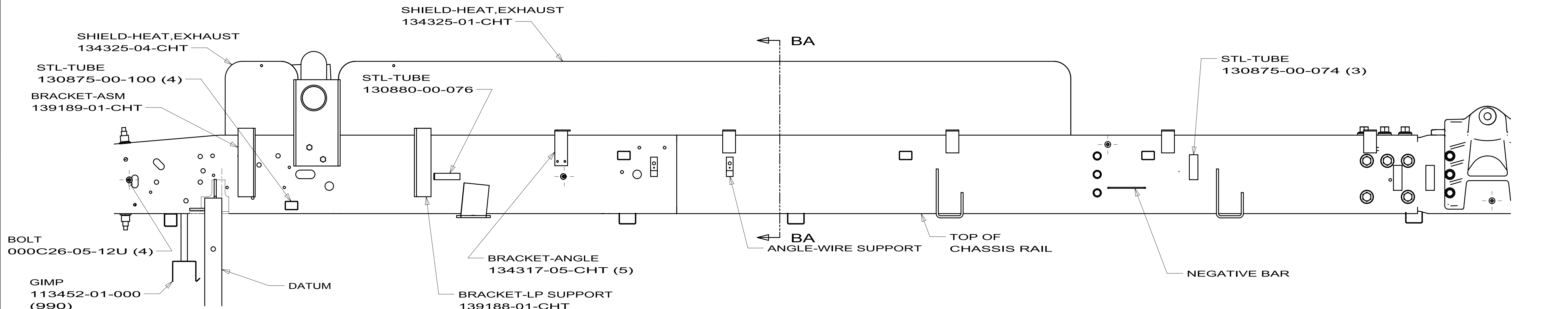
THIRD ANGLE
PROJECTION

DO NOT SCALE DRAWING

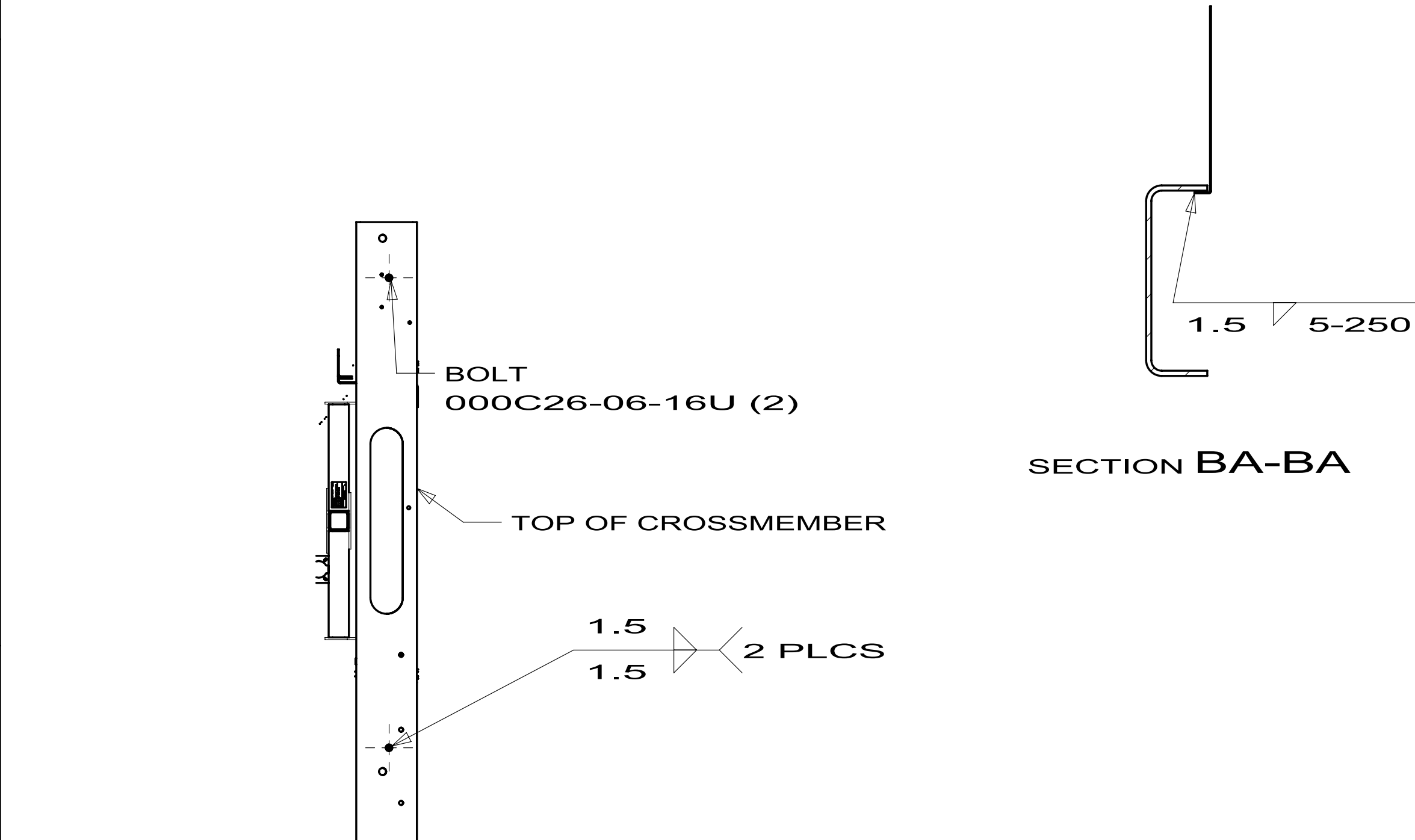
TITLE:
FRAME ASM-CHASSIS

SHEET 1 OF 13 PART NO
171844

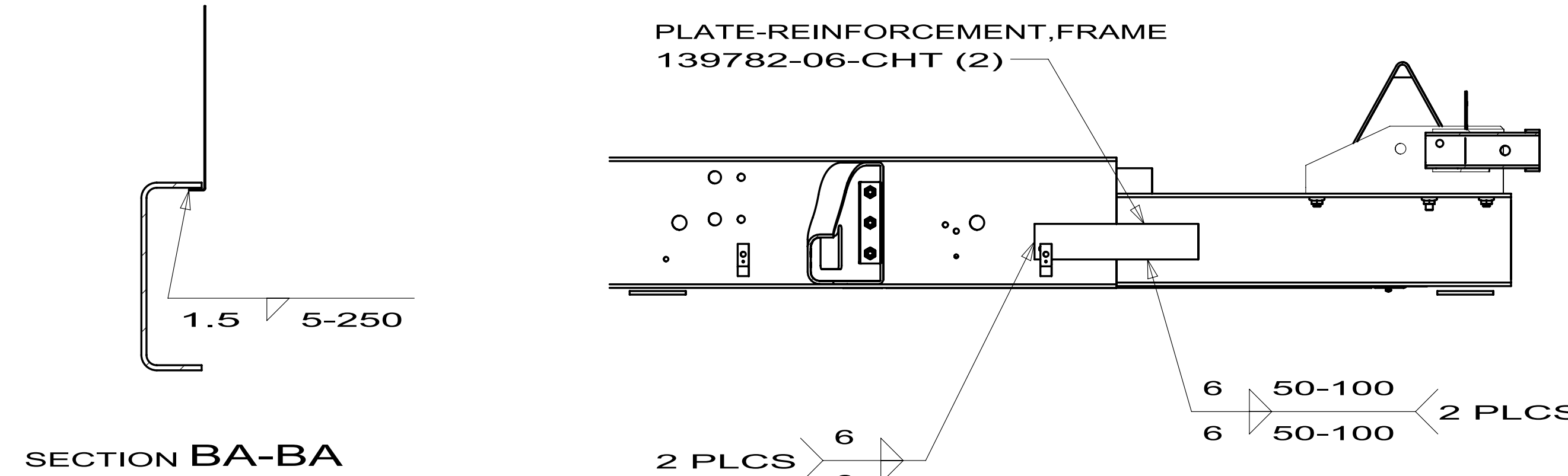
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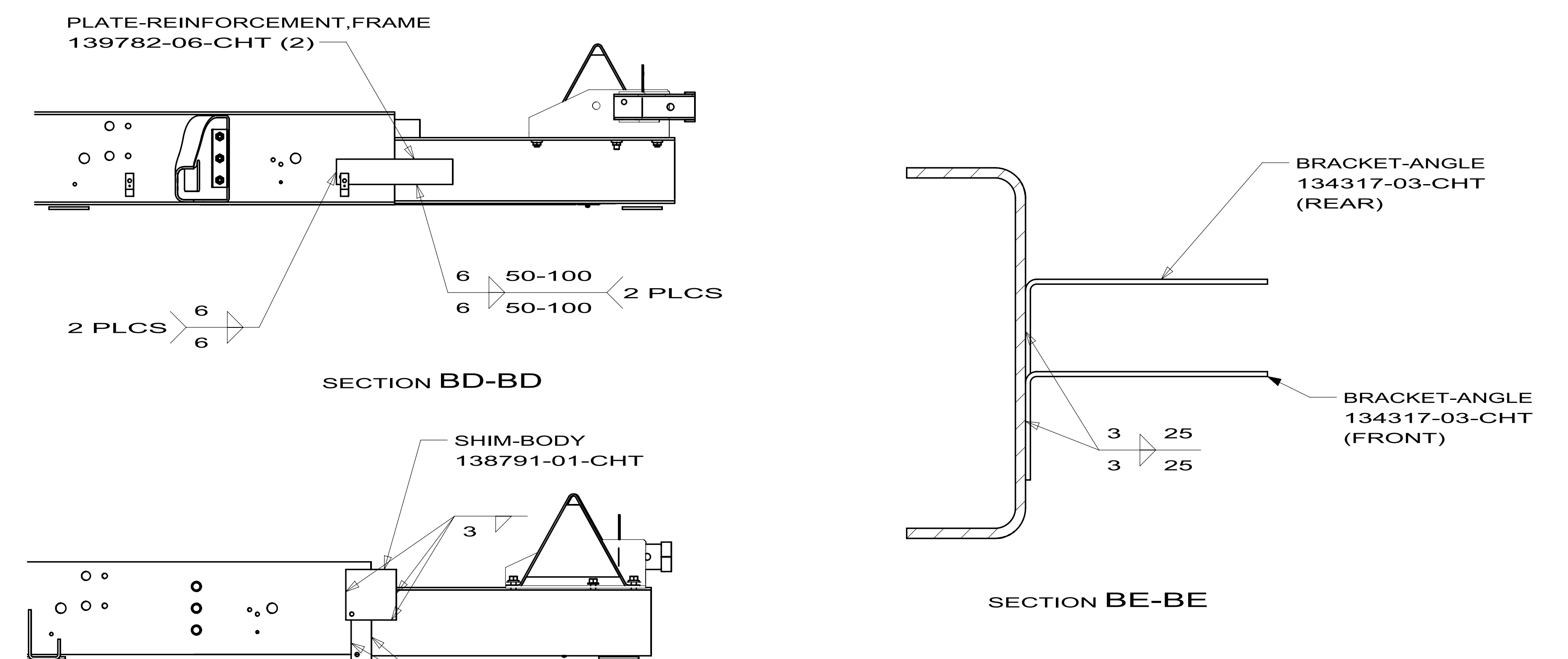
VIEW BB-BB



VIEW BC

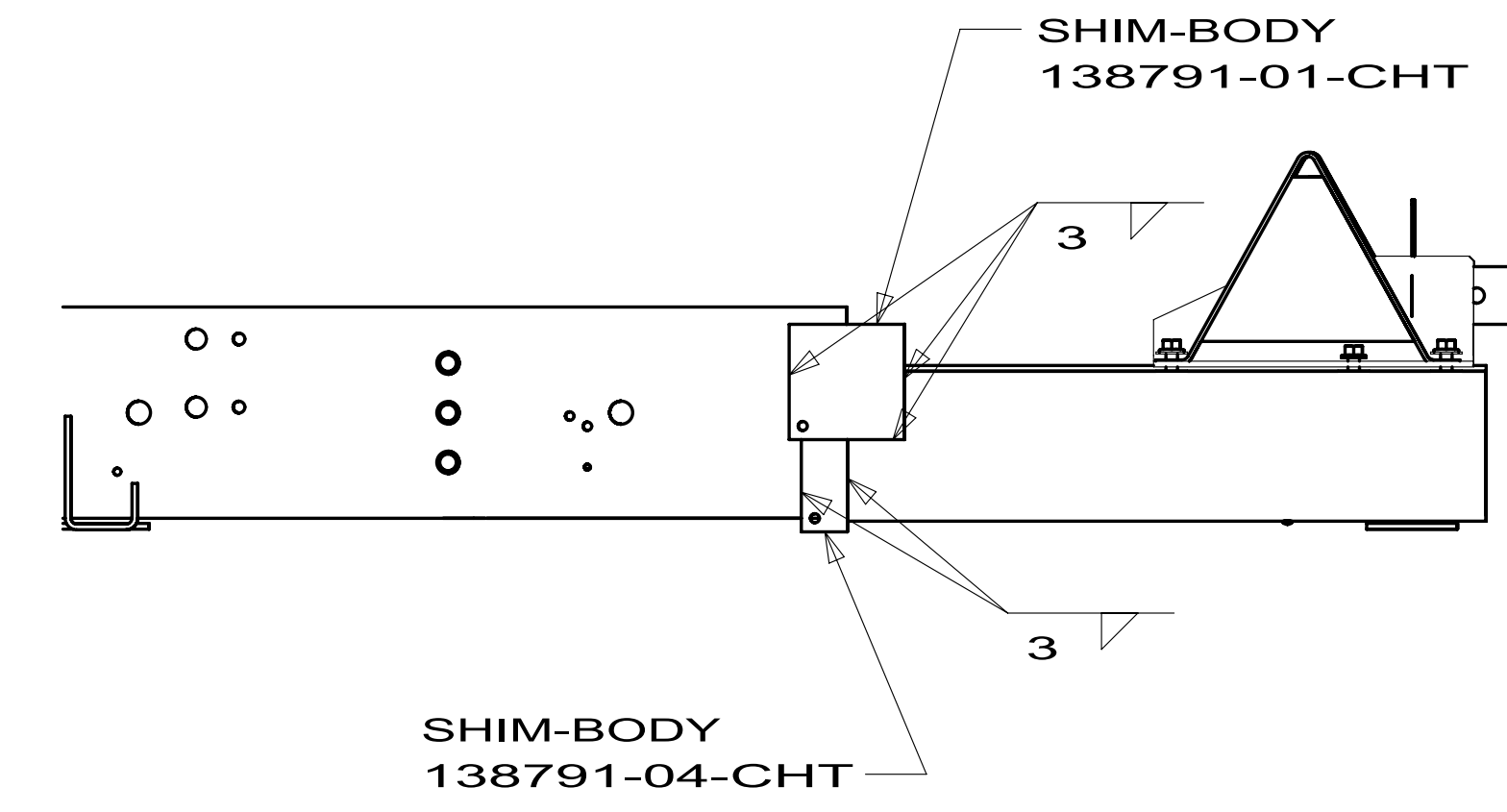


SECTION BA-BA



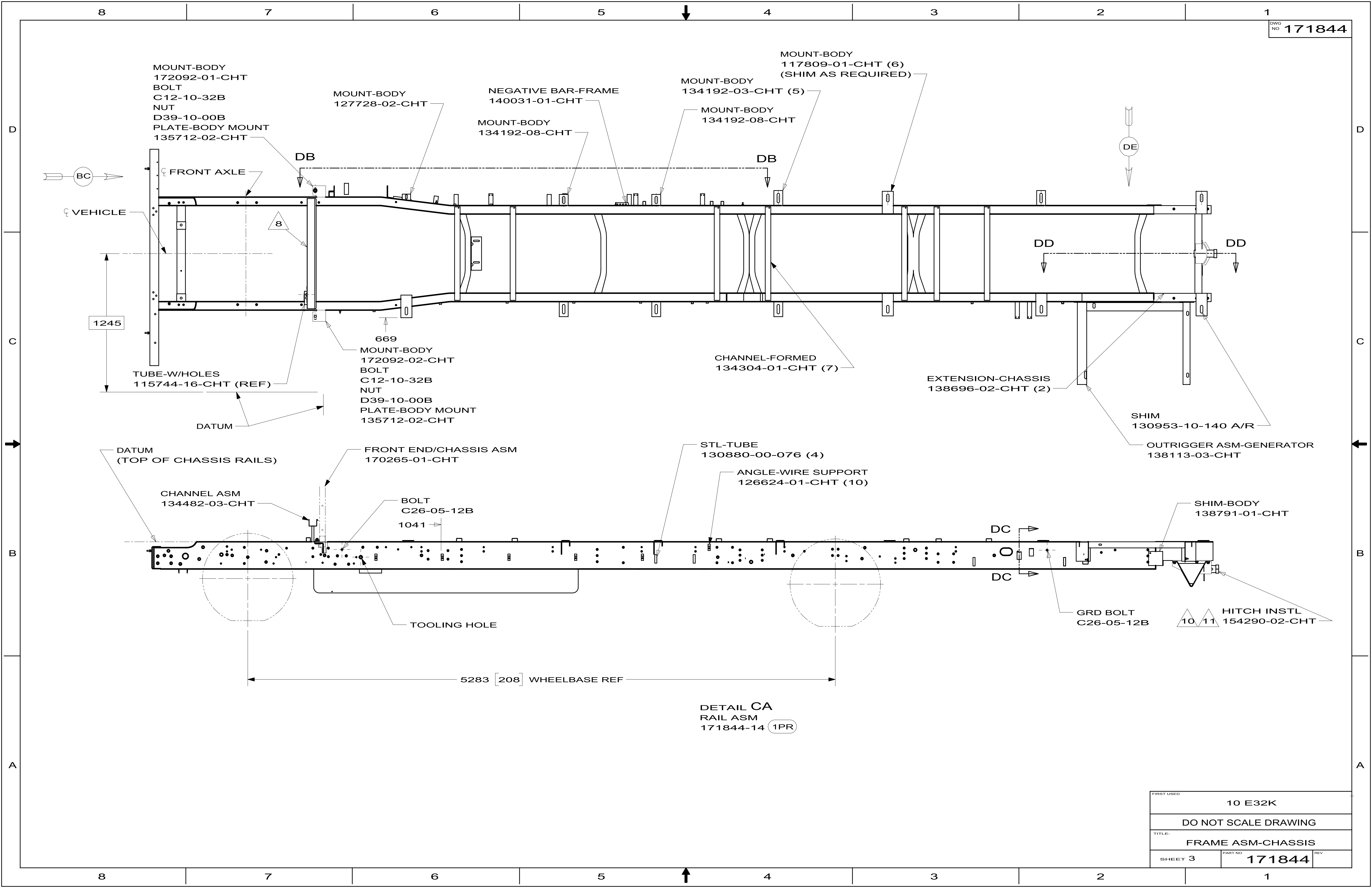
SECTION BD-BD

SECTION BE-BE

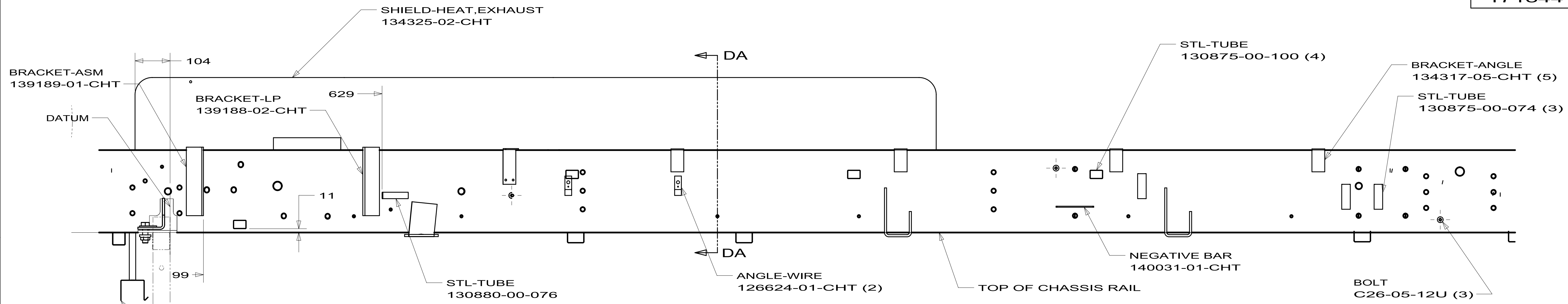


VIEW BF

FIRST USED			10 E32K
DO NOT SCALE DRAWING			
TITLE: FRAME ASM-CHASSIS			
SHEET 2	PART NO	171844	REV



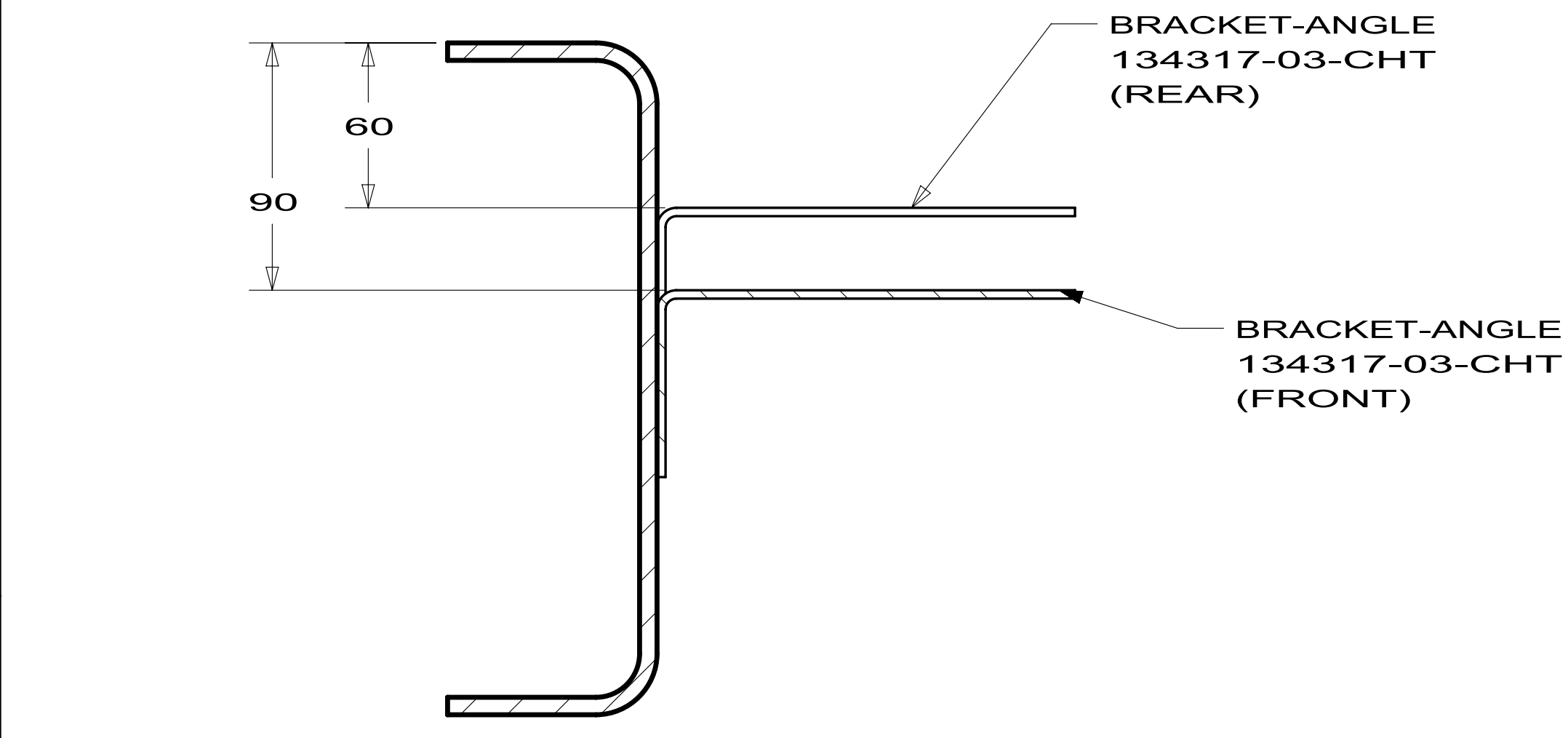
FIRST USED		
10 E32K		
DO NOT SCALE DRAWING		
TITLE:		
FRAME ASM-CHASSIS		
SHEET 3	PART NO	REV
	171844	



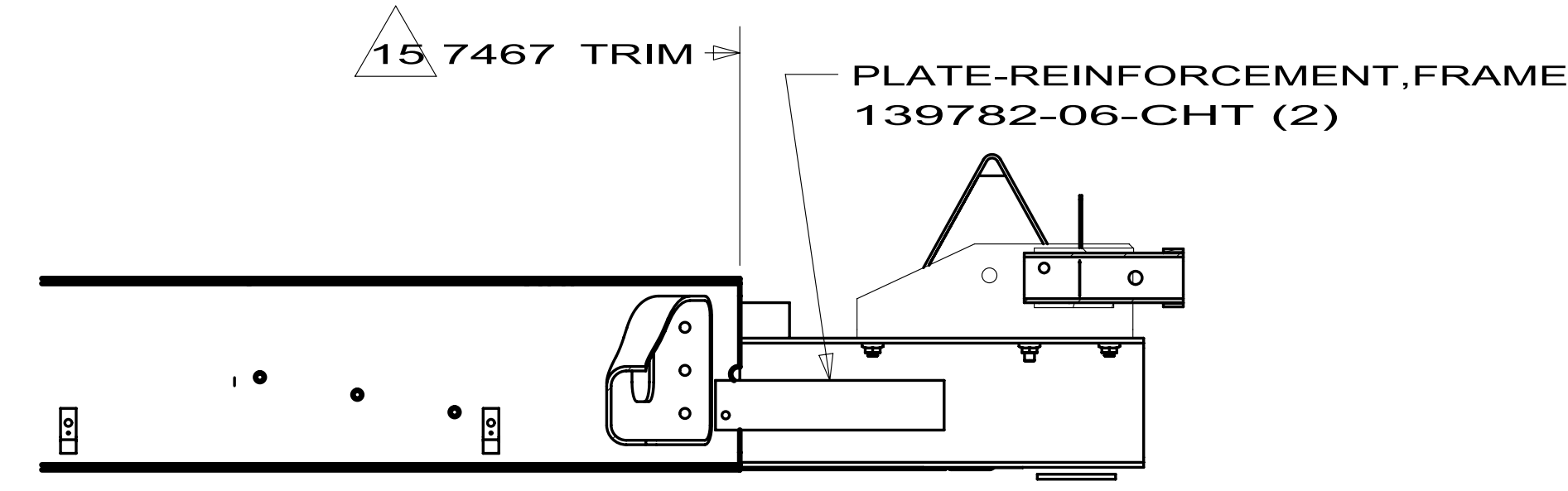
VIEW DB-DB



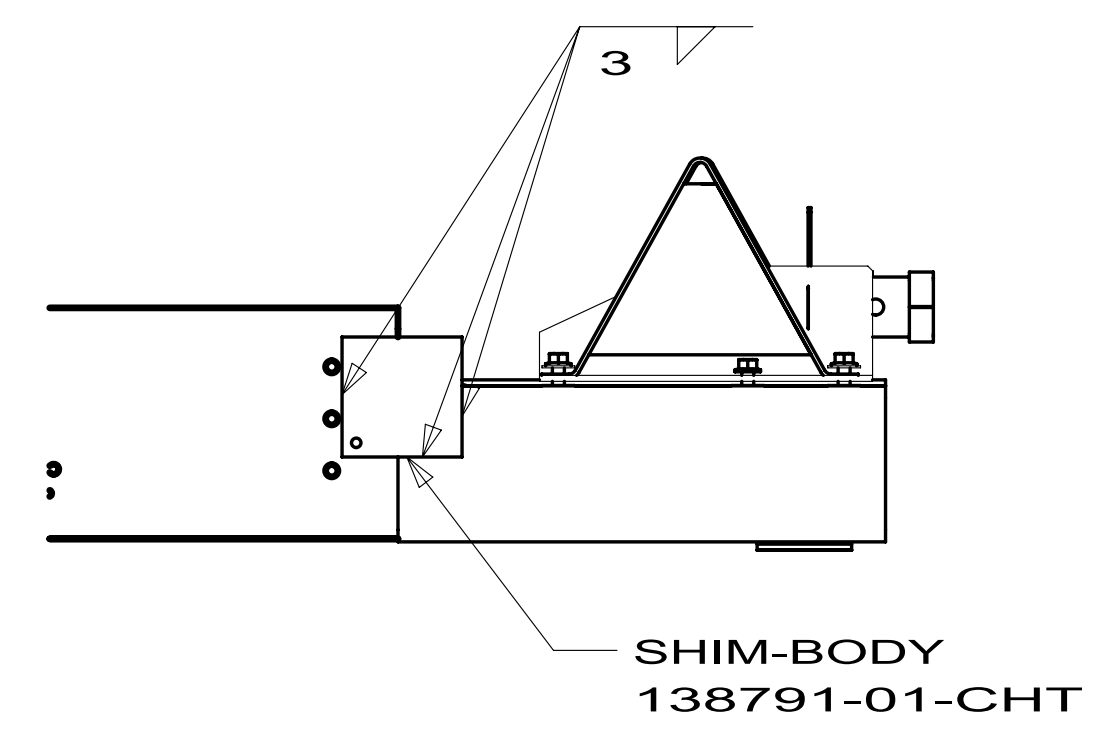
SECTION DA-DA



SECTION DC-DC

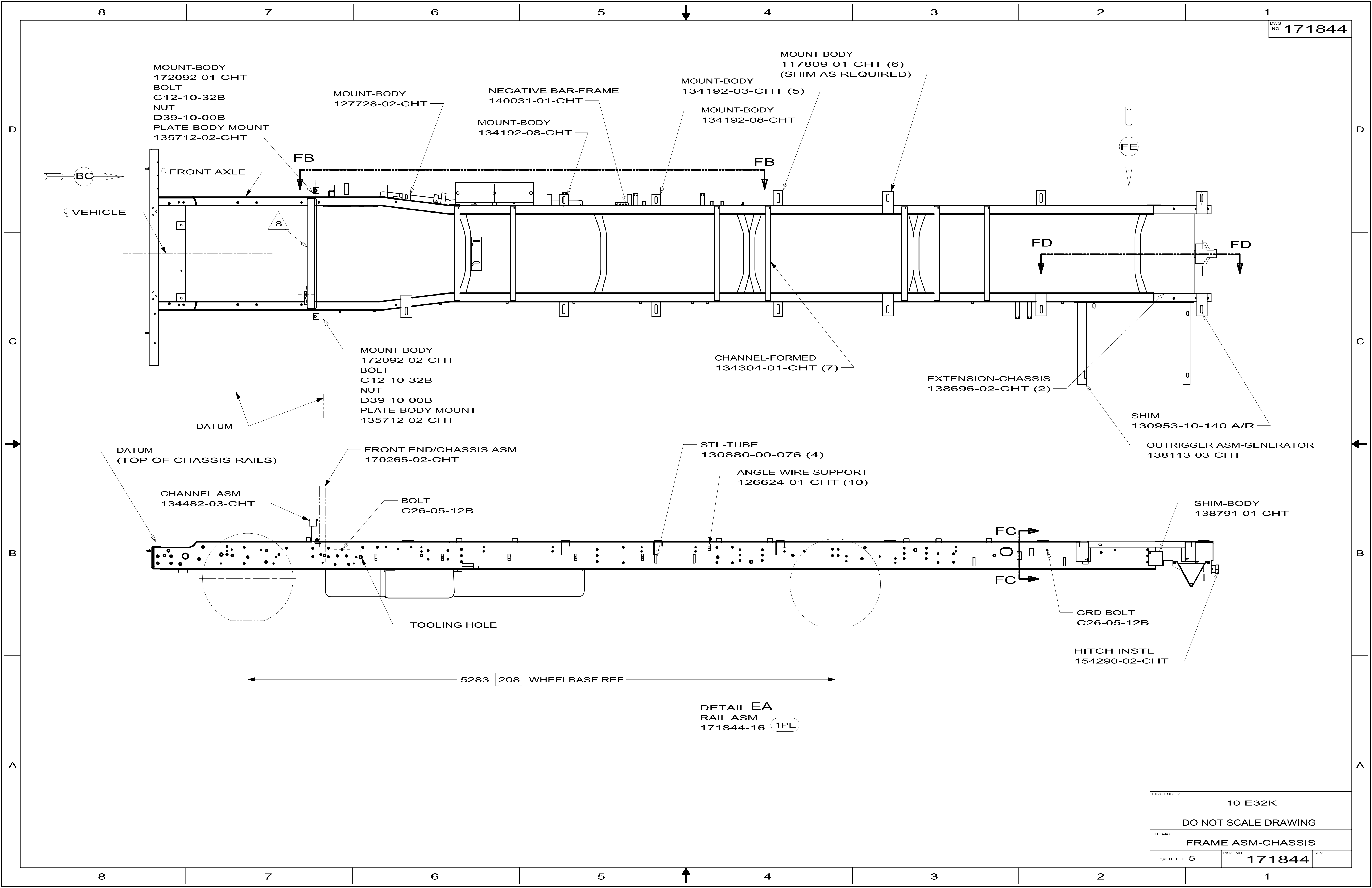


SECTION DD-DD

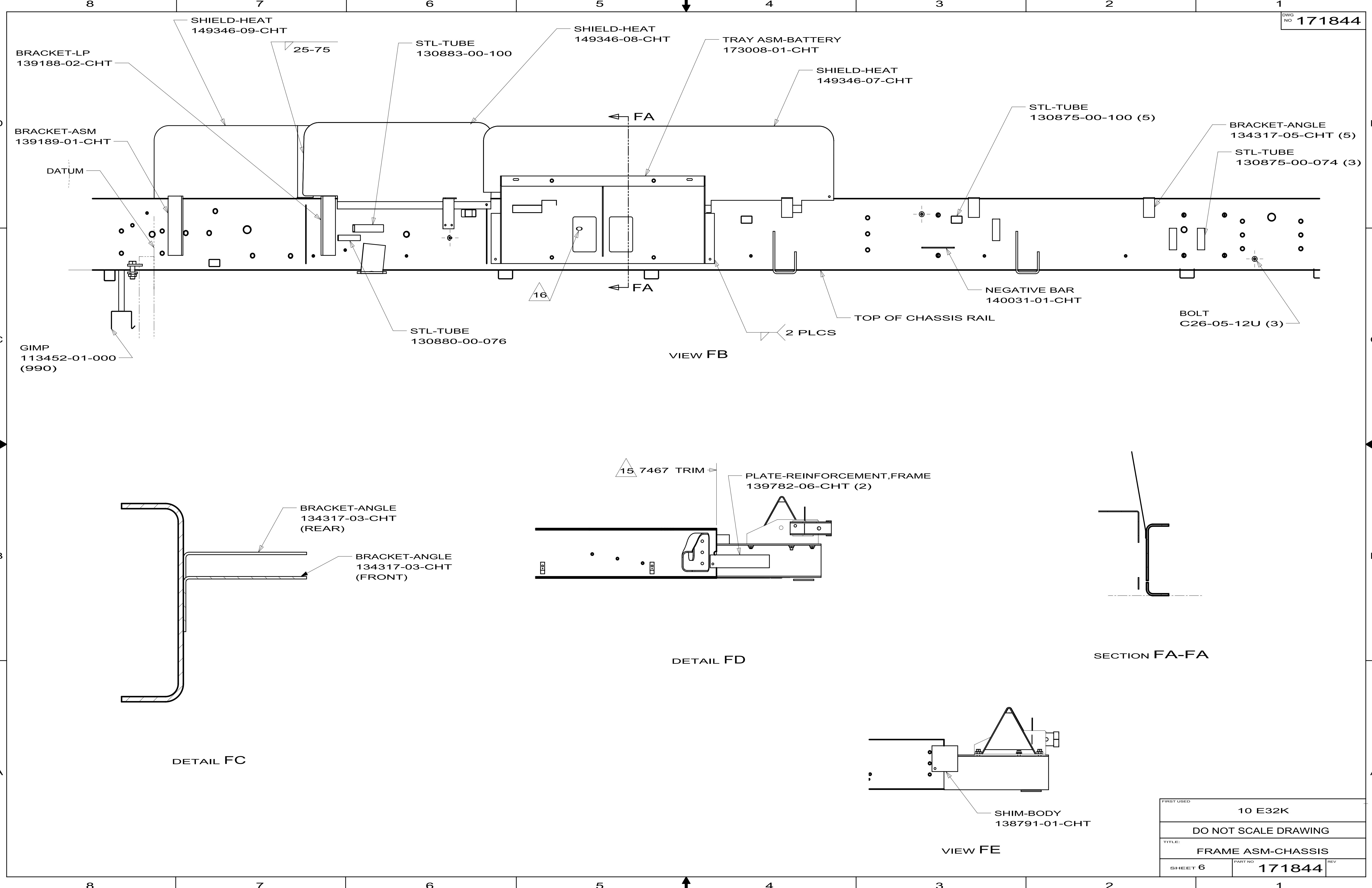


VIEW DE

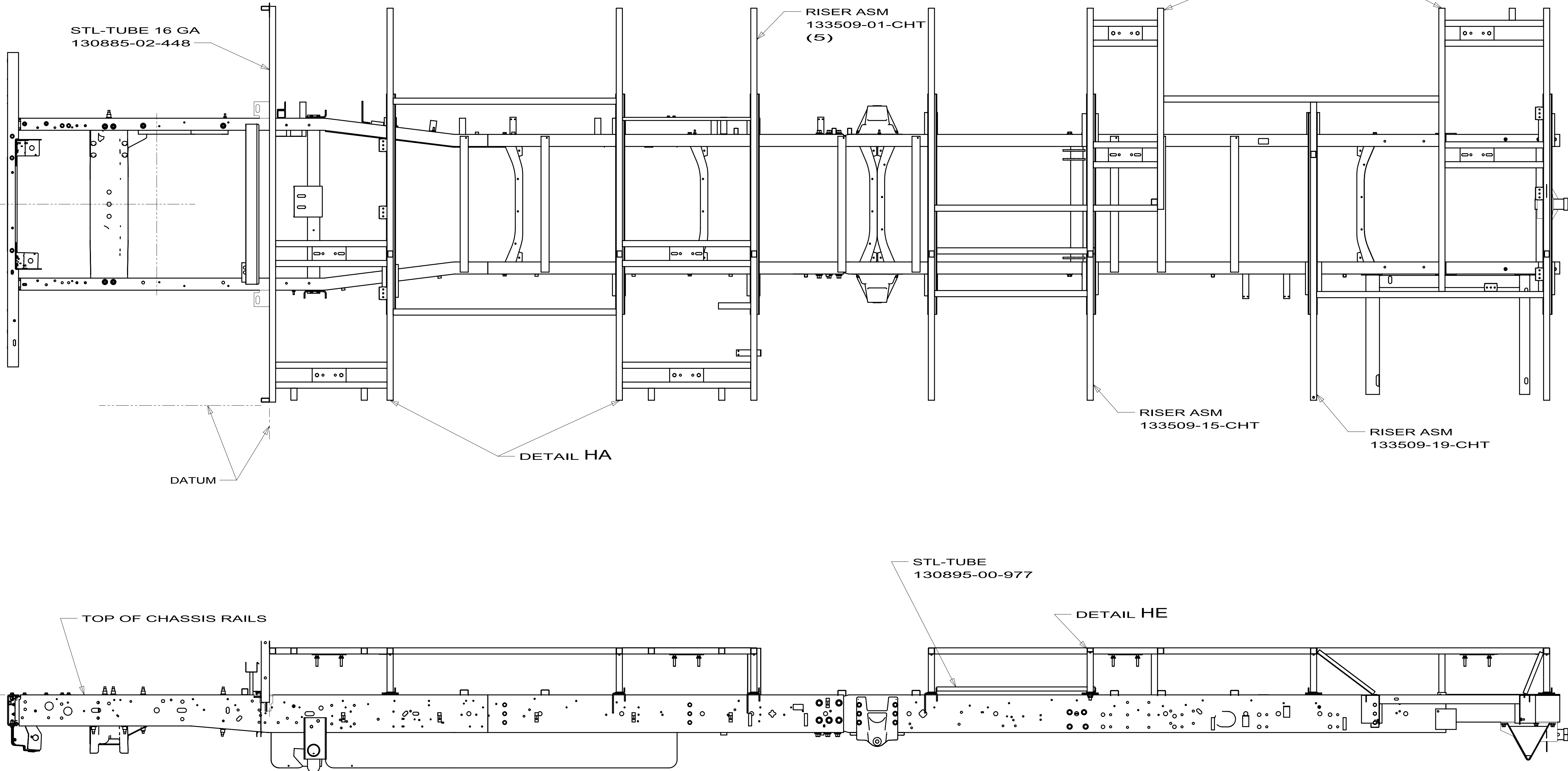
FIRST USED			10 E32K
DO NOT SCALE DRAWING			
TITLE: FRAME ASM-CHASSIS			
SHEET 4	PART NO	171844	REV



FIRST USED			10 E32K
DO NOT SCALE DRAWING			
TITLE:			FRAME ASM-CHASSIS
SHEET 5	PART NO	171844	REV

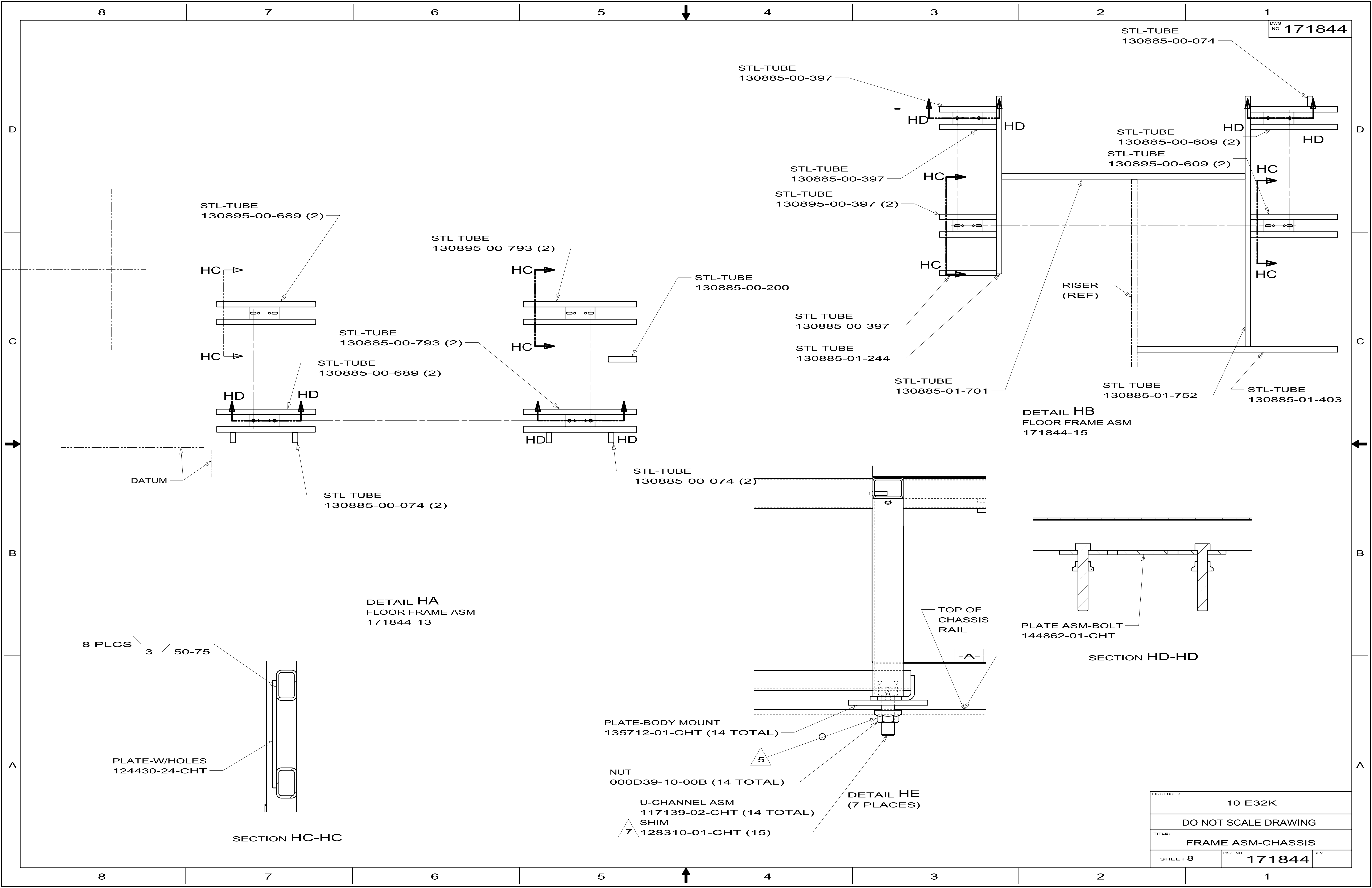


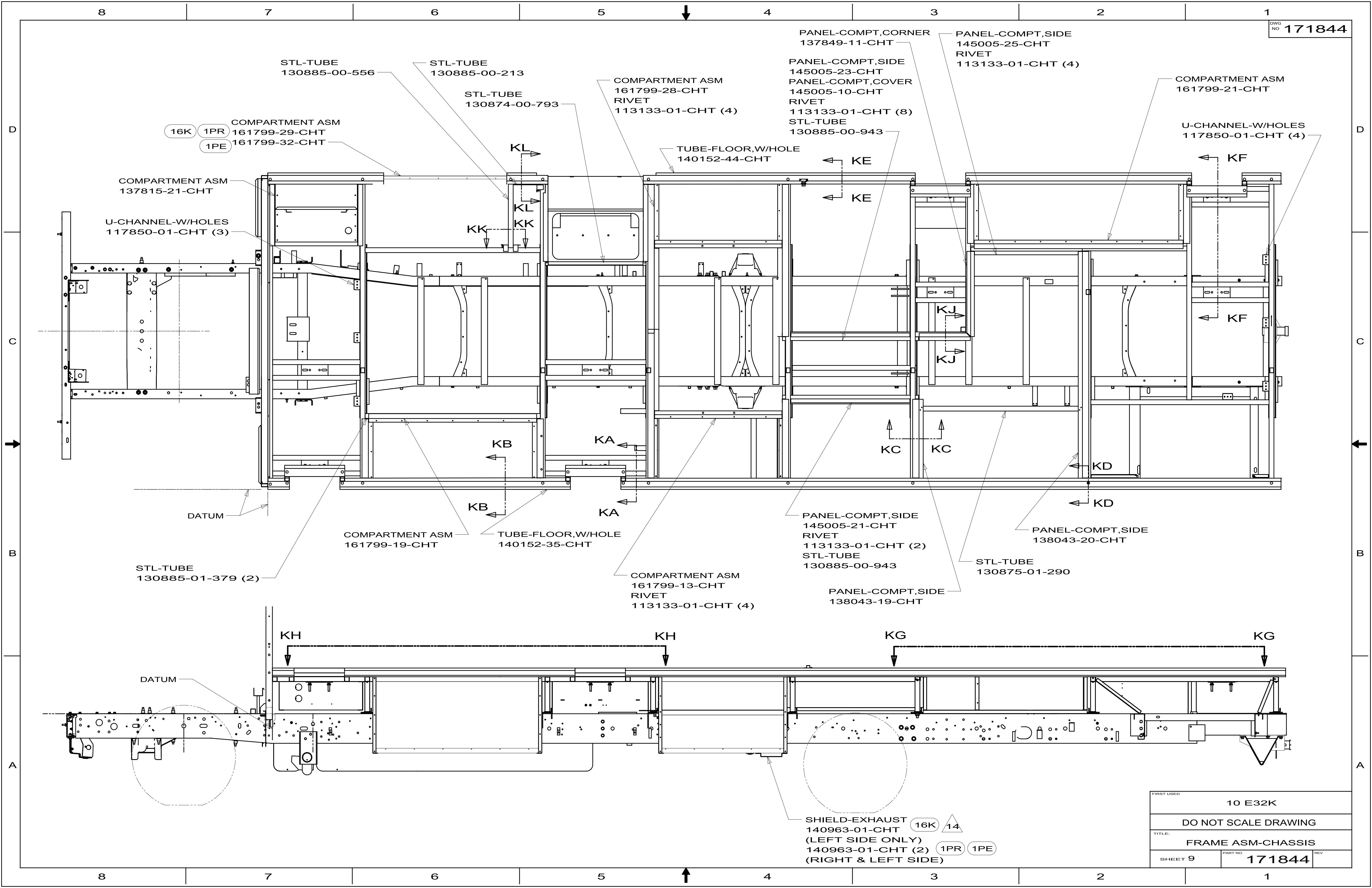
FIRST USED			10 E32K		
DO NOT SCALE DRAWING					
TITLE:					
FRAME ASM-CHASSIS					
SHEET 6		PART NO		REV	
		171844			



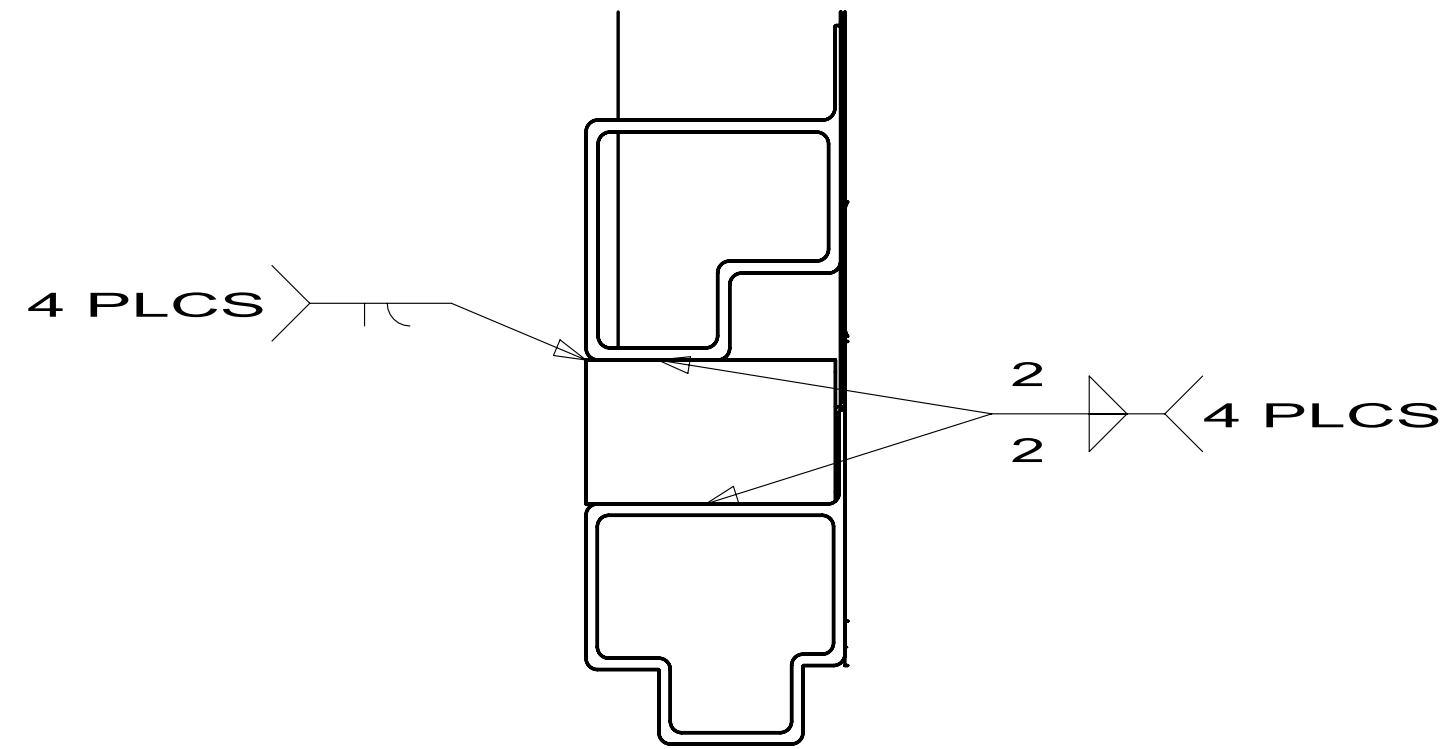
DETAIL GA
FLOOR FRAME ASM
171844-12

FIRST USED			10 E32K
DO NOT SCALE DRAWING			
TITLE:			
FRAME ASM-CHASSIS			
SHEET 7	PART NO	171844	REV

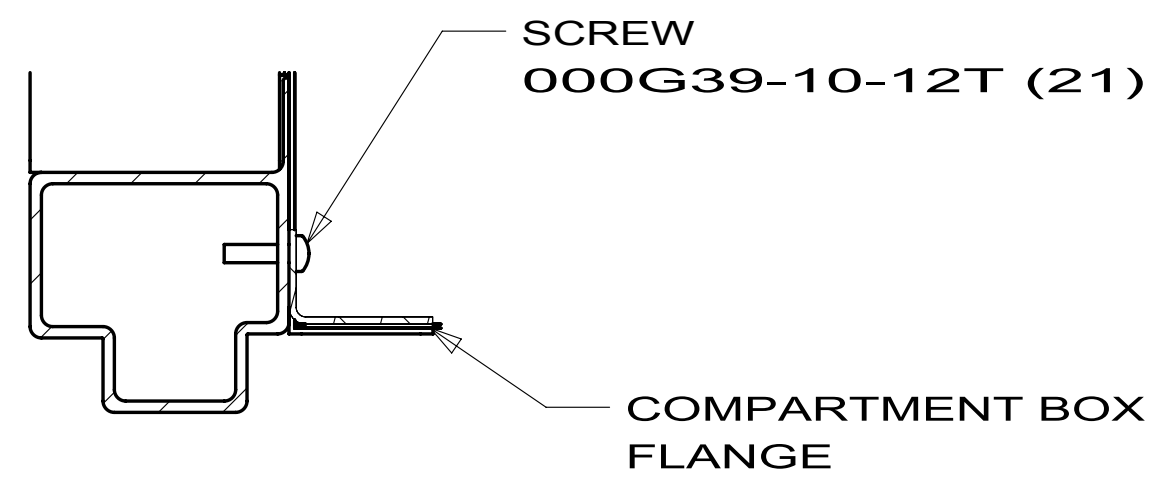




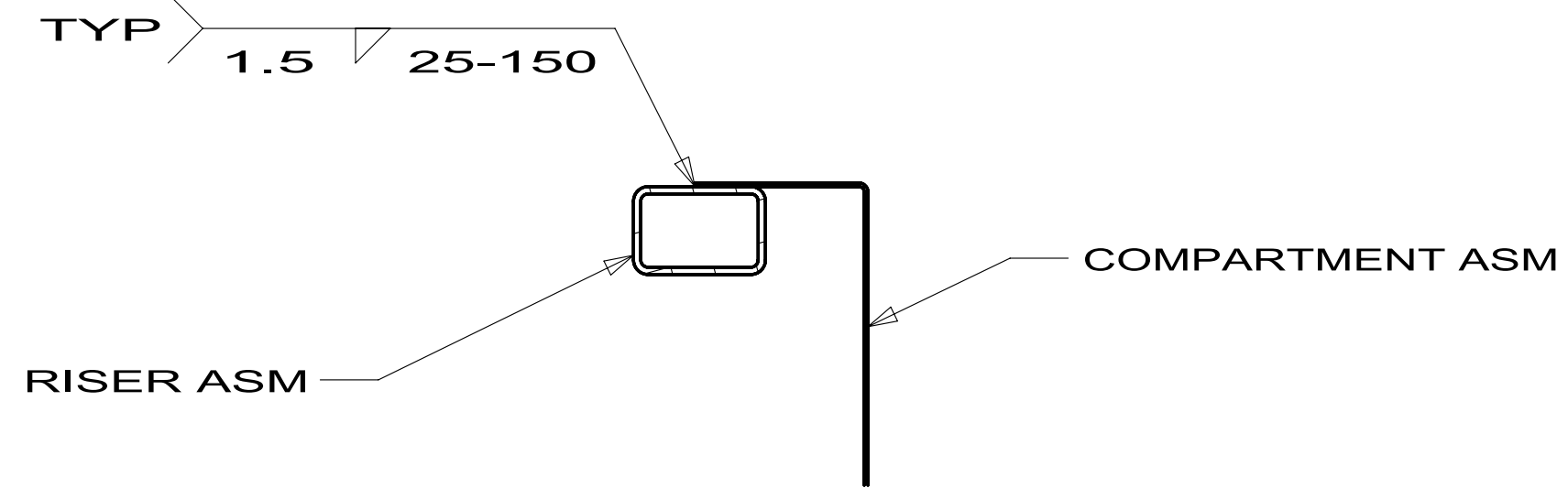
FIRST USED		10 E32K	
DO NOT SCALE DRAWING			
TITLE: FRAME ASM-CHASSIS			
SHEET 9		PART NO	171844
		REV	



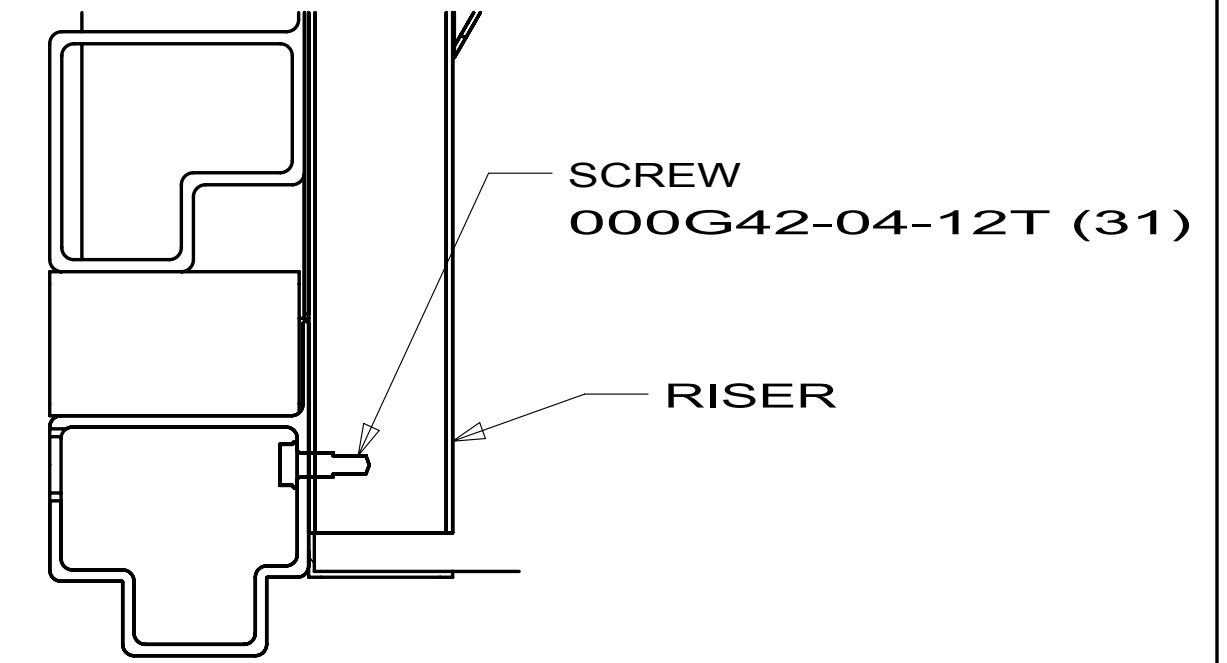
SECTION KA-KA



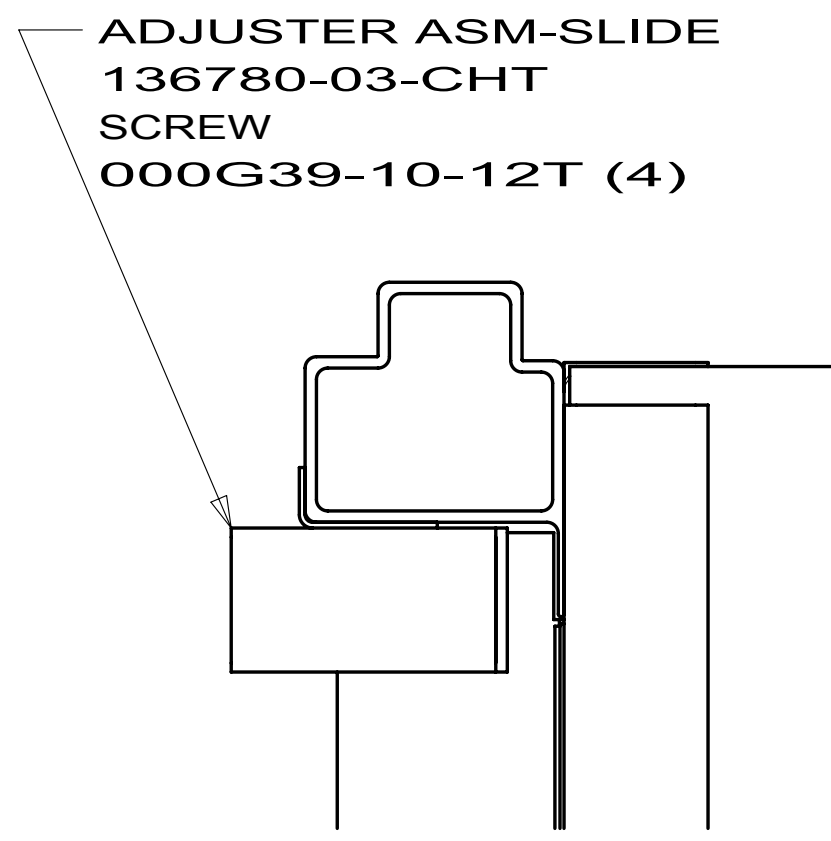
SECTION KB-KB



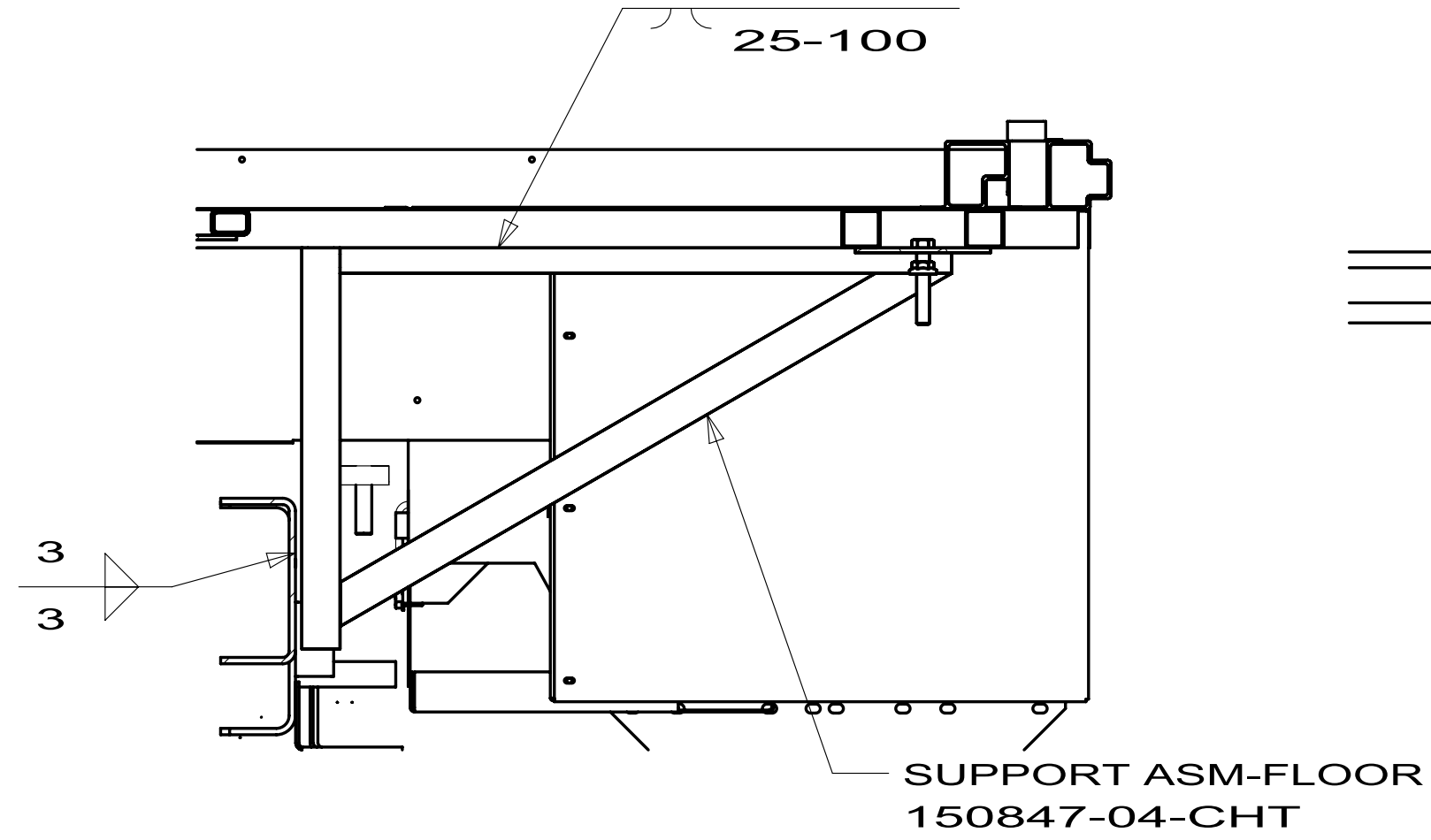
SECTION KC-KC



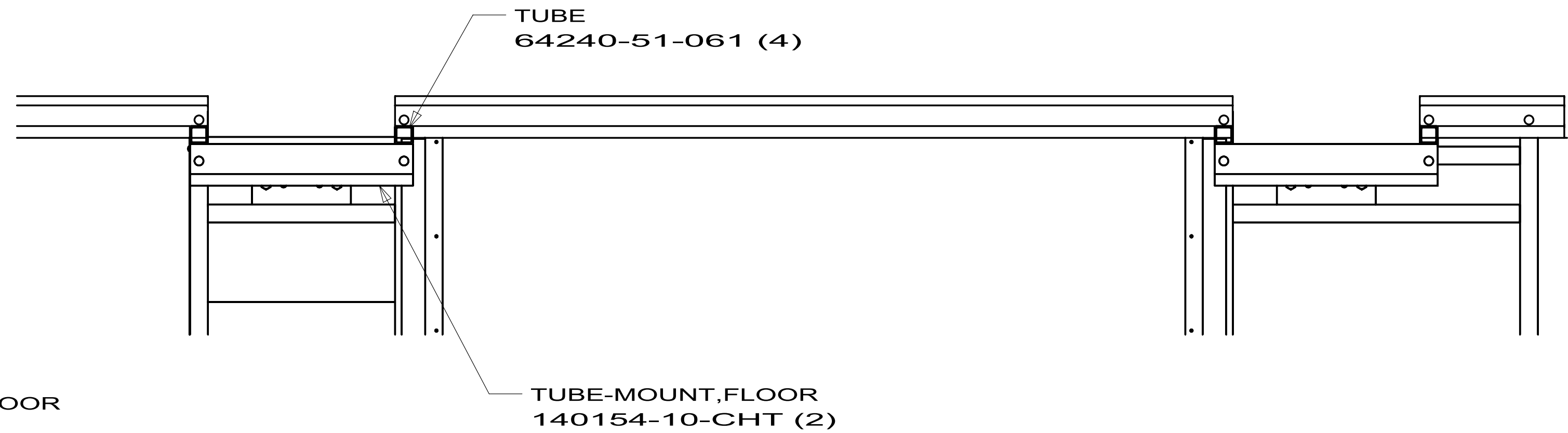
SECTION KD-KD



SECTION KE-KE



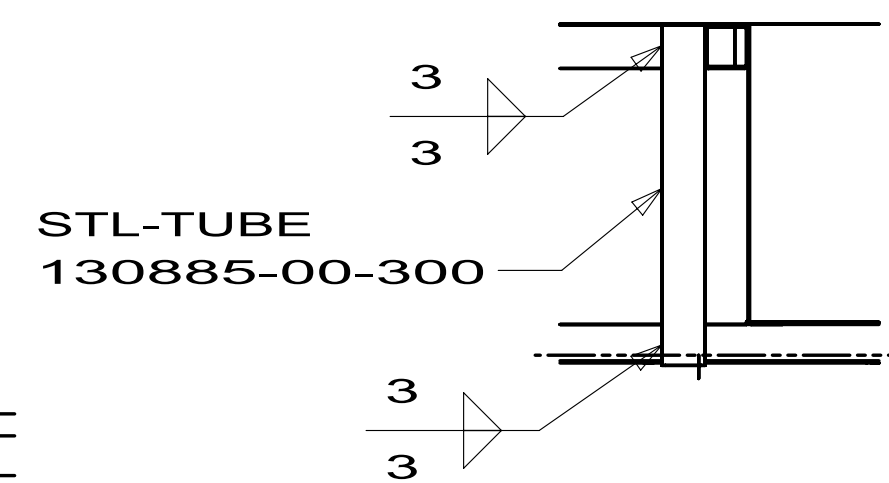
SECTION KF-KF



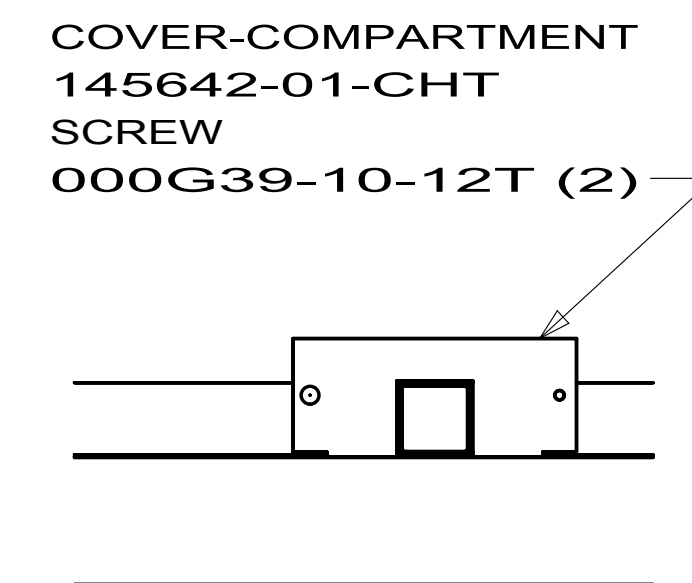
VIEW KG-KG



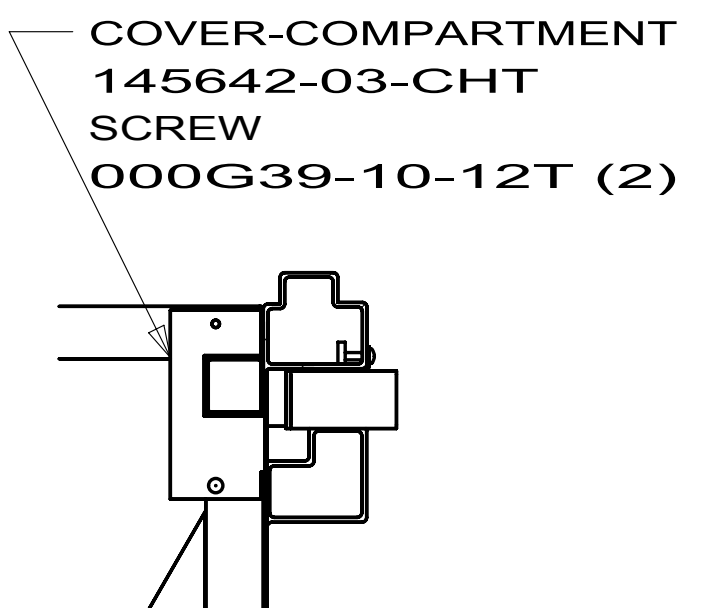
VIEW KH-KH



SECTION KJ-KJ

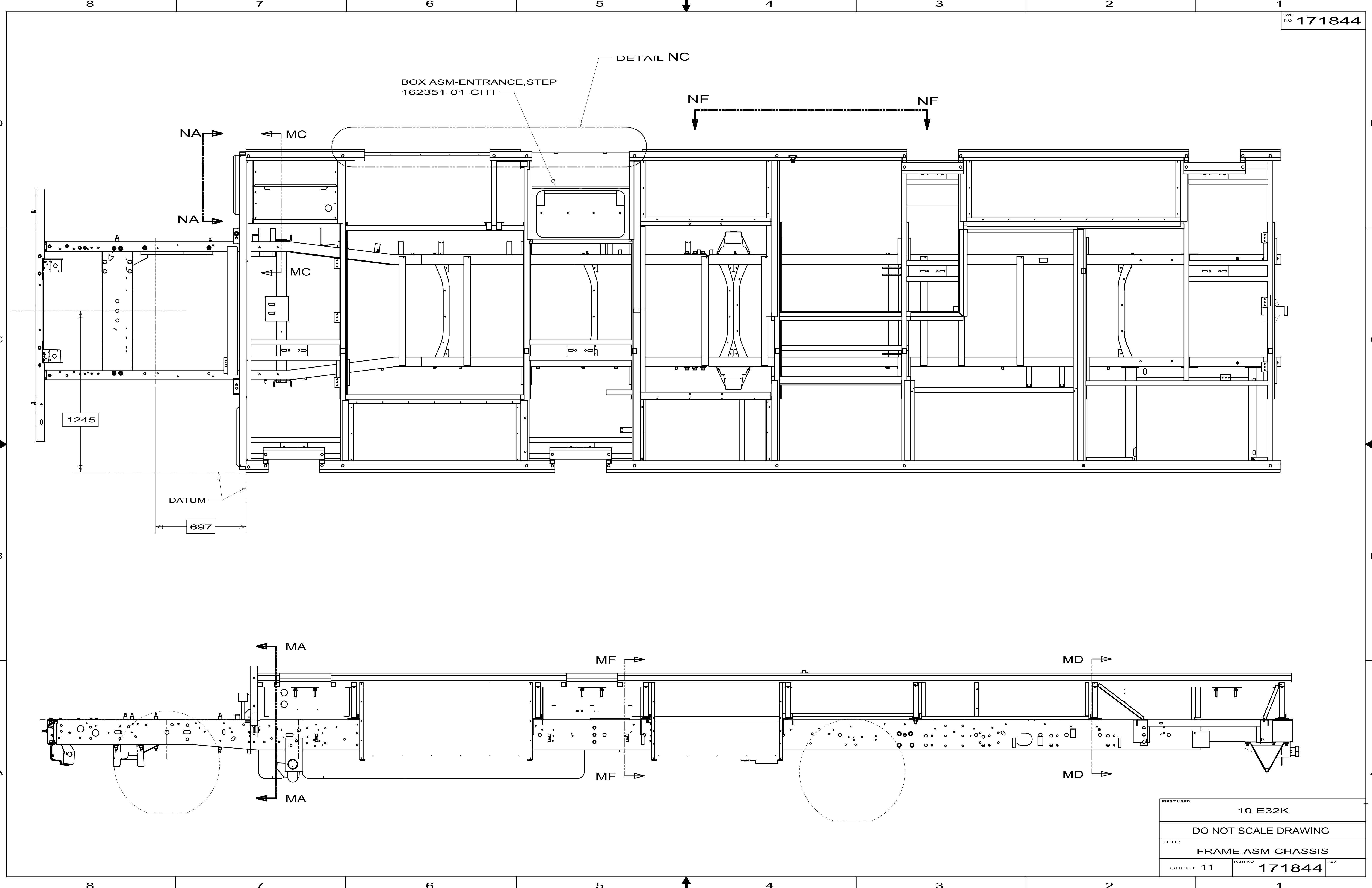


SECTION KK-KK

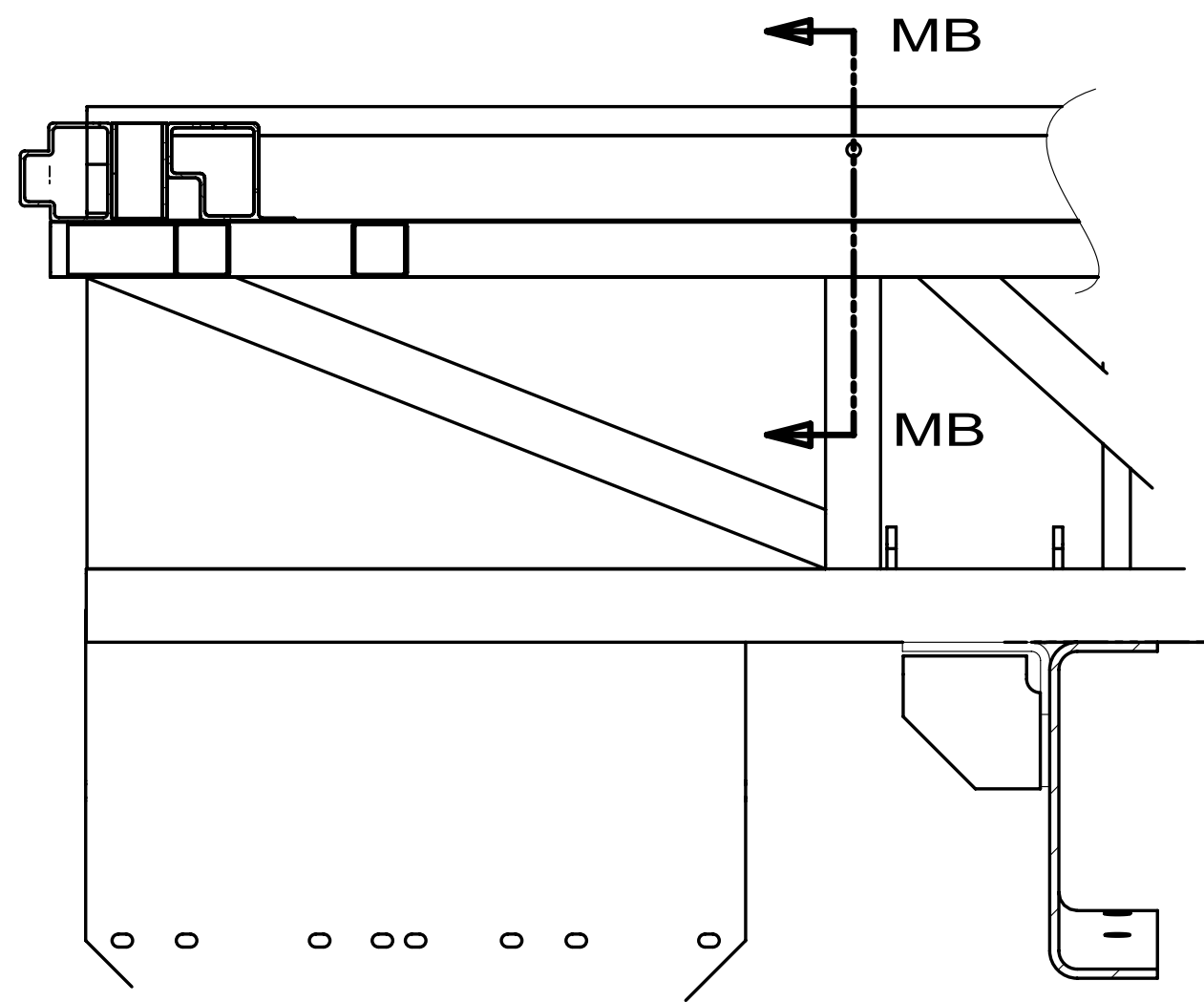


SECTION KL-KL

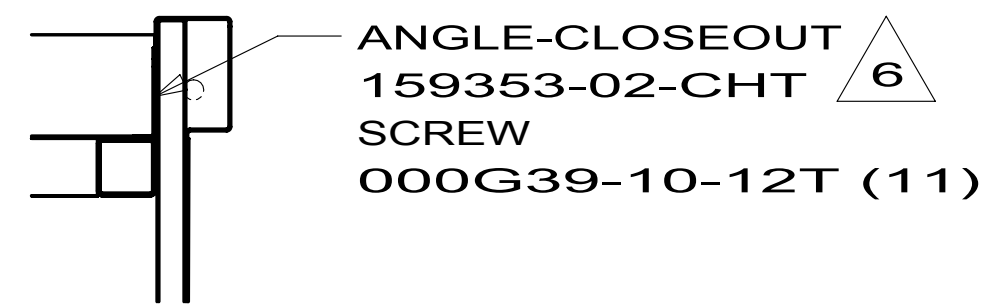
FIRST USED		
10 E32K		
DO NOT SCALE DRAWING		
TITLE:		
FRAME ASM-CHASSIS		
SHEET 10	PART NO	REV
	171844	



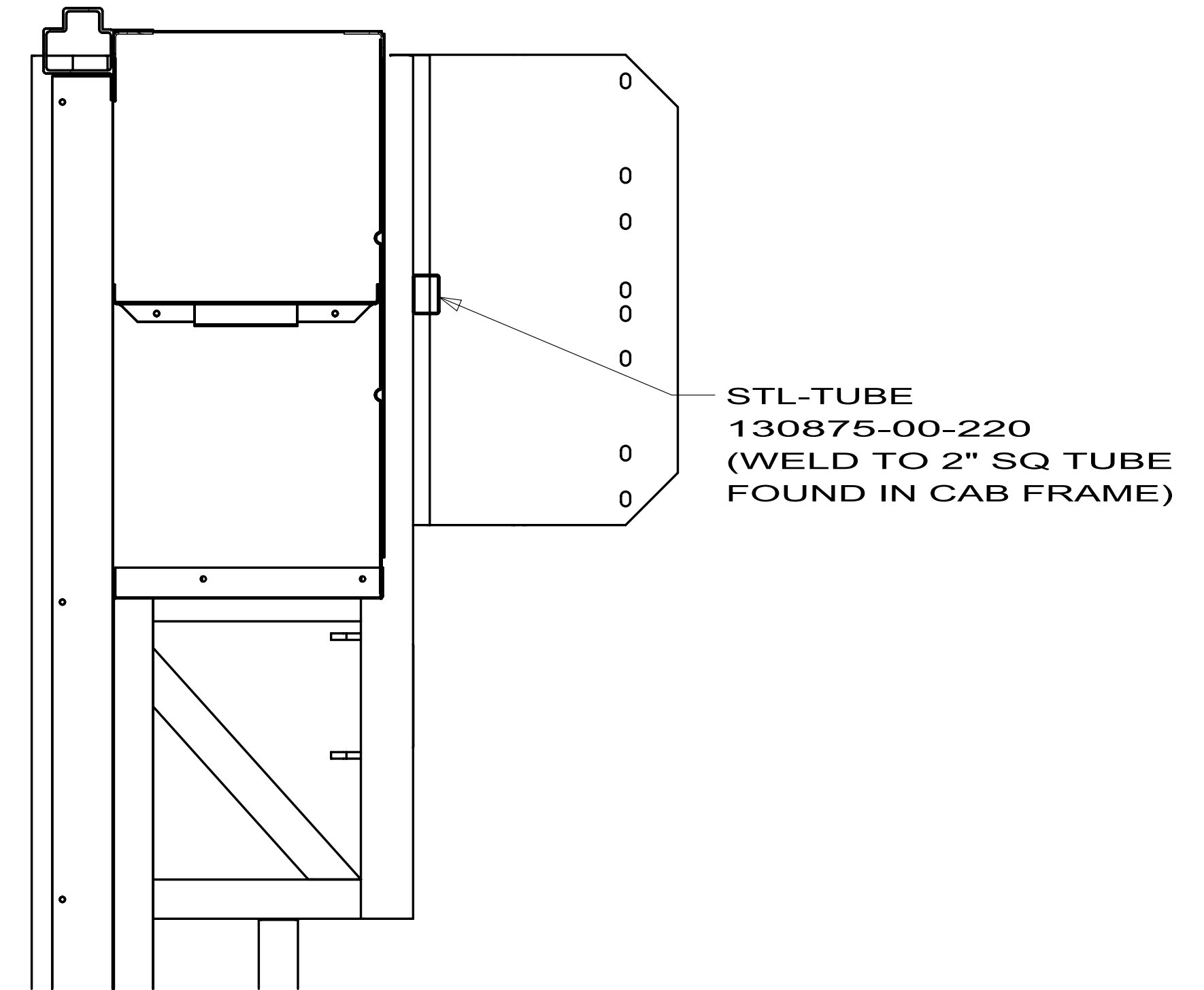
FIRST USED			10 E32K
DO NOT SCALE DRAWING			
TITLE: FRAME ASM-CHASSIS			
SHEET 11	PART NO	171844	REV



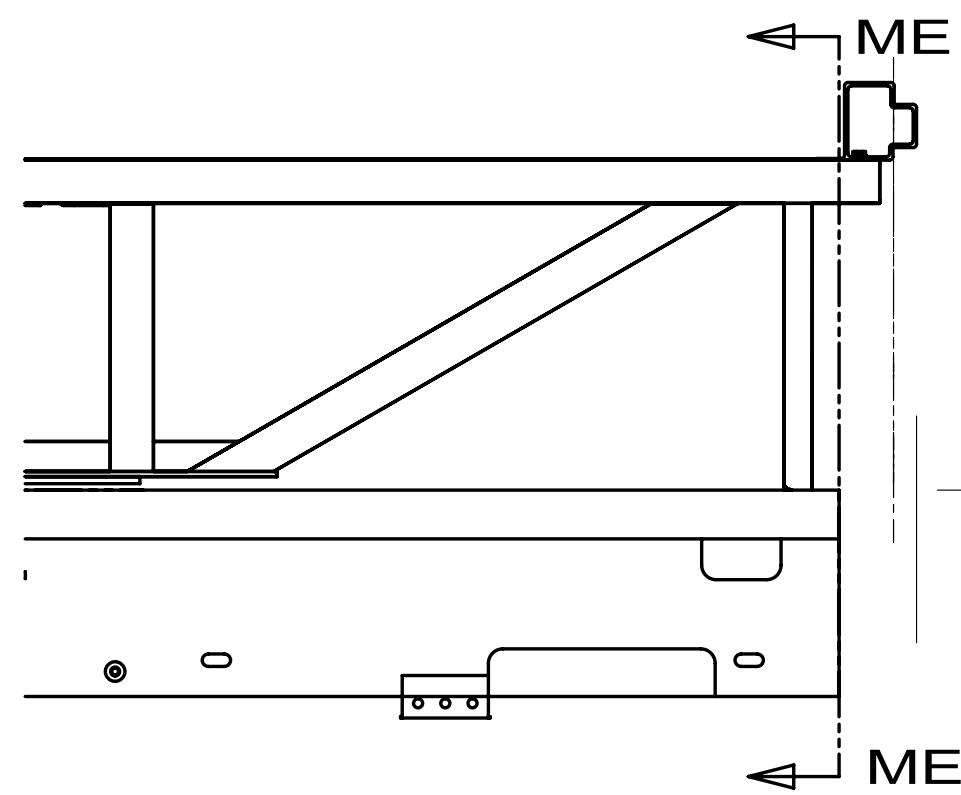
SECTION MA-MA



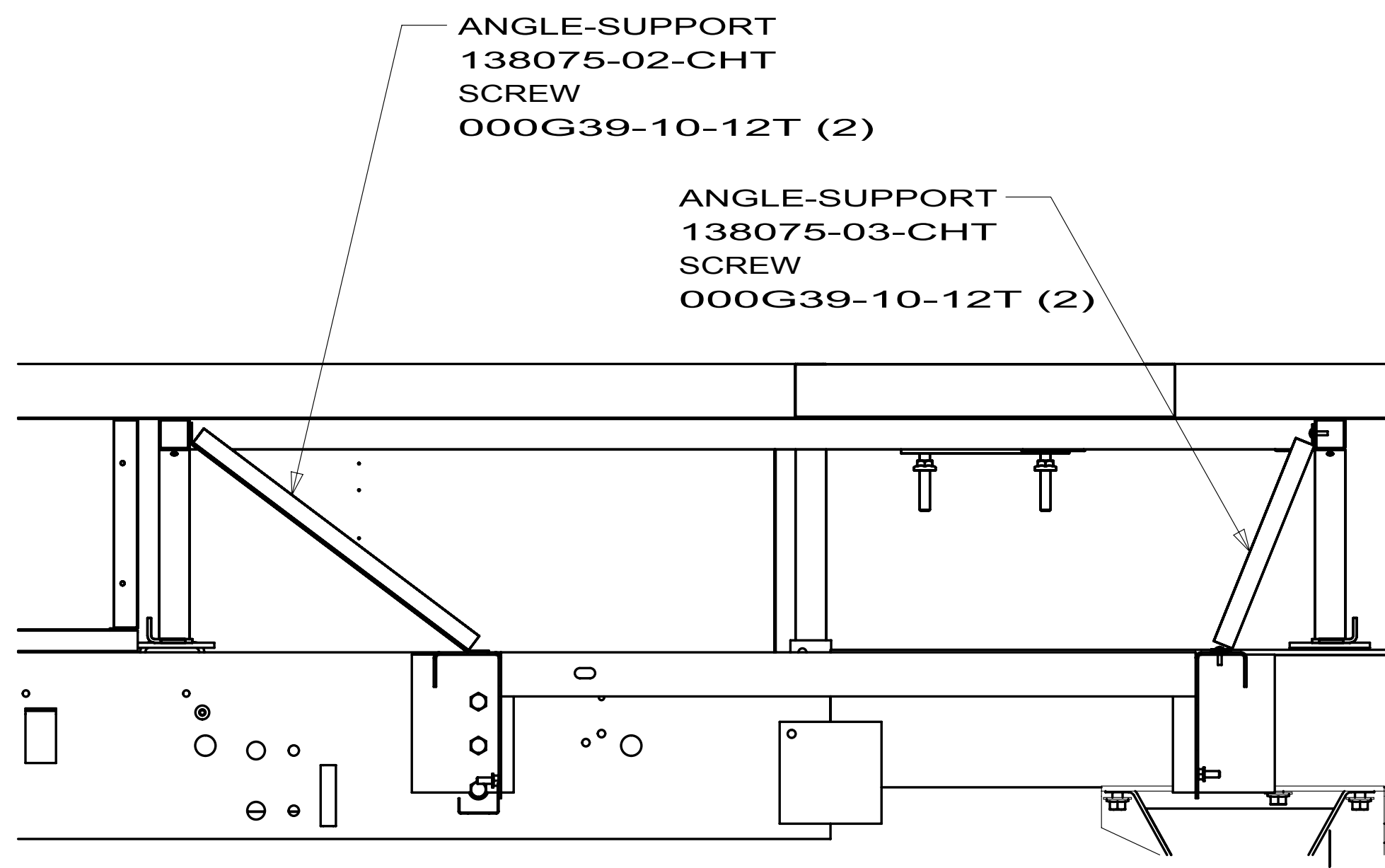
SECTION MB-MB



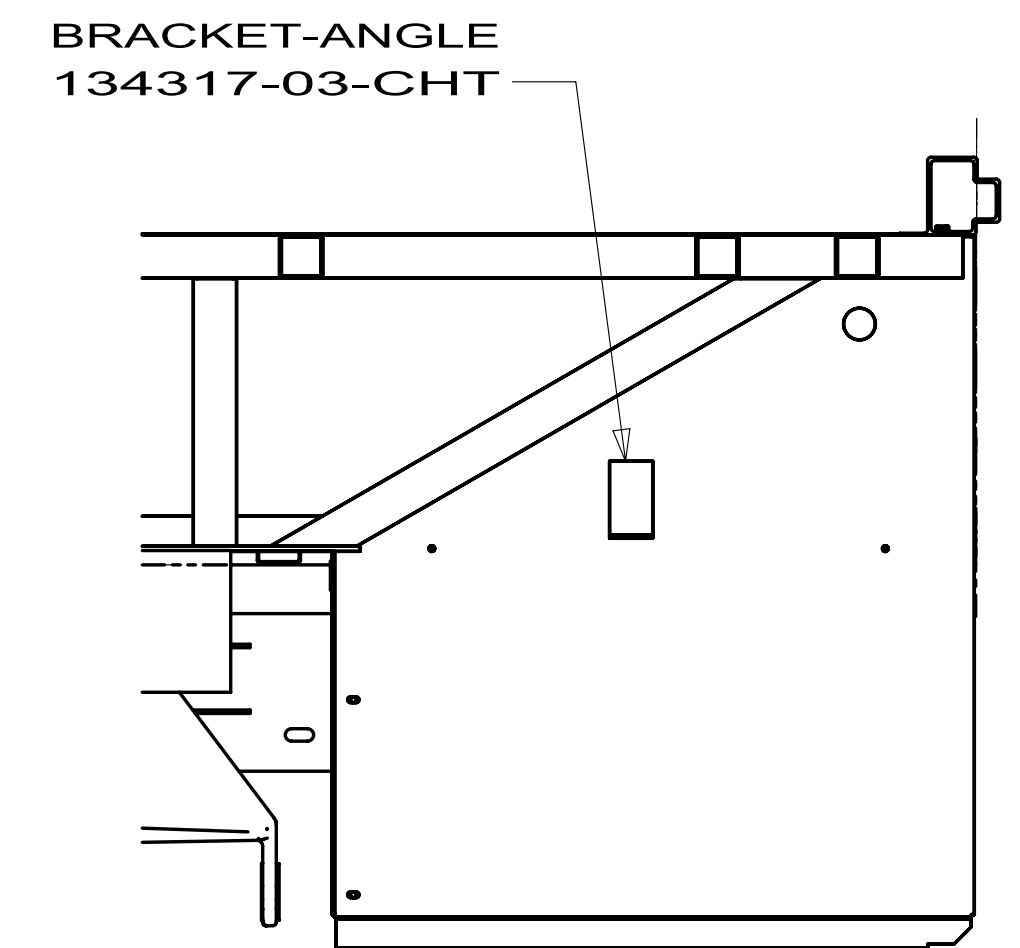
SECTION MC-MC



SECTION MD-MD



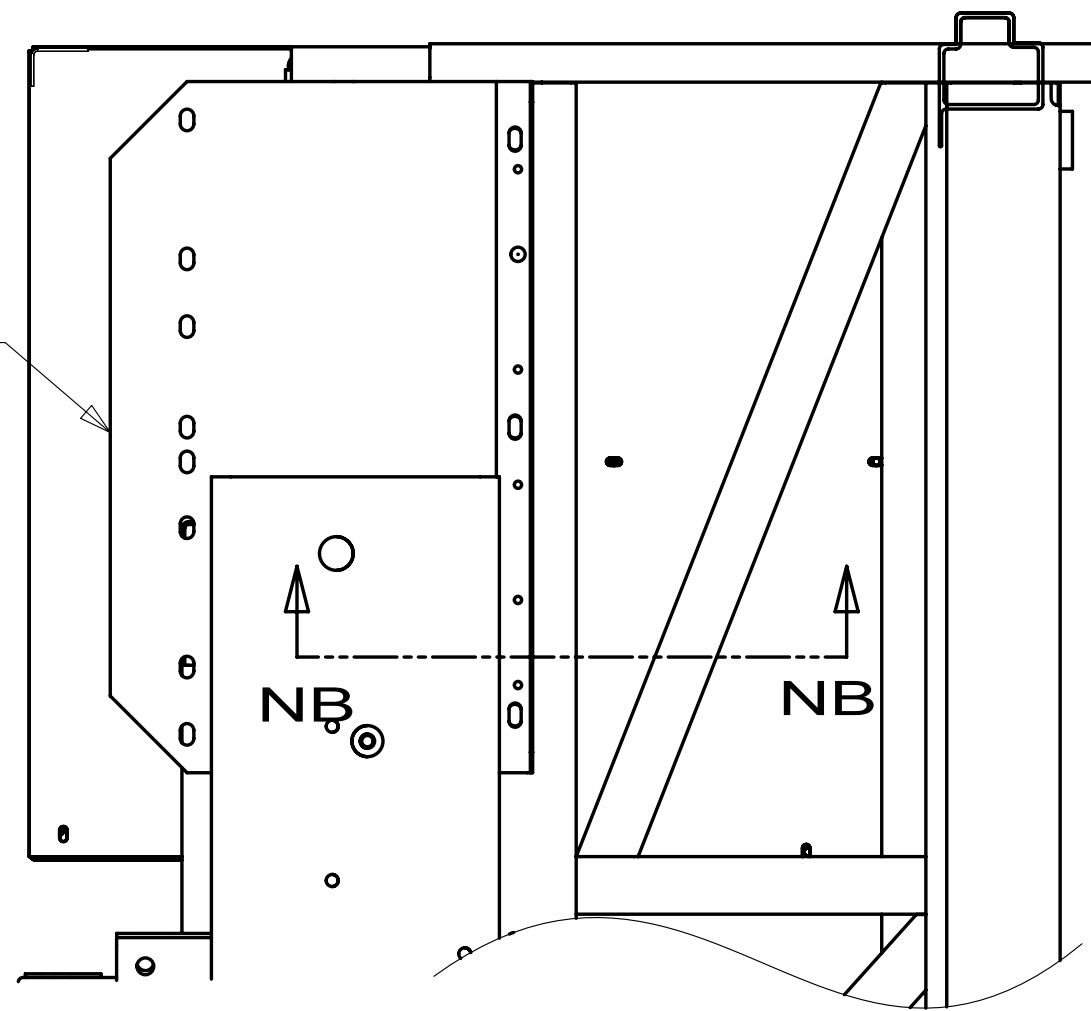
SECTION ME-ME



SECTION MF-MF

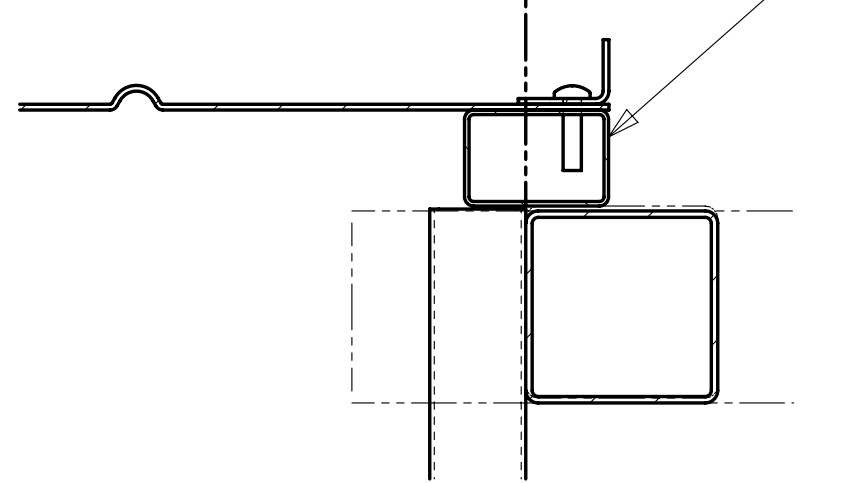
FIRST USED			10 E32K
DO NOT SCALE DRAWING			
TITLE:			FRAME ASM-CHASSIS
SHEET 12	PART NO	171844	REV

6 GUARD-ROCK
136391-01-CHT
SCREW
G39-10-12T (6)



VIEW NA-NA
(2 PLACES)

STL-TUBE
130875-00-457



SECTION NB-NB
(RIGHT SIDE ONLY)

CHANNEL-FILLER
139389-02-CHT (2)

SHIELD-EXHAUST
140963-01-CHT
(RIGHT SIDE WH ONLY)

COVER-MOTOR,SLIDEOUT
138777-04-CHT
SCREW
000G39-10-12T (7)
RIVET
113133-01-CHT (2)

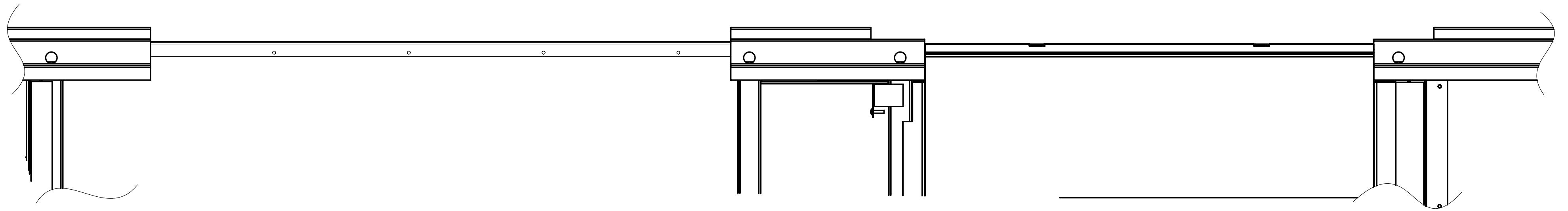
DATUM

NE

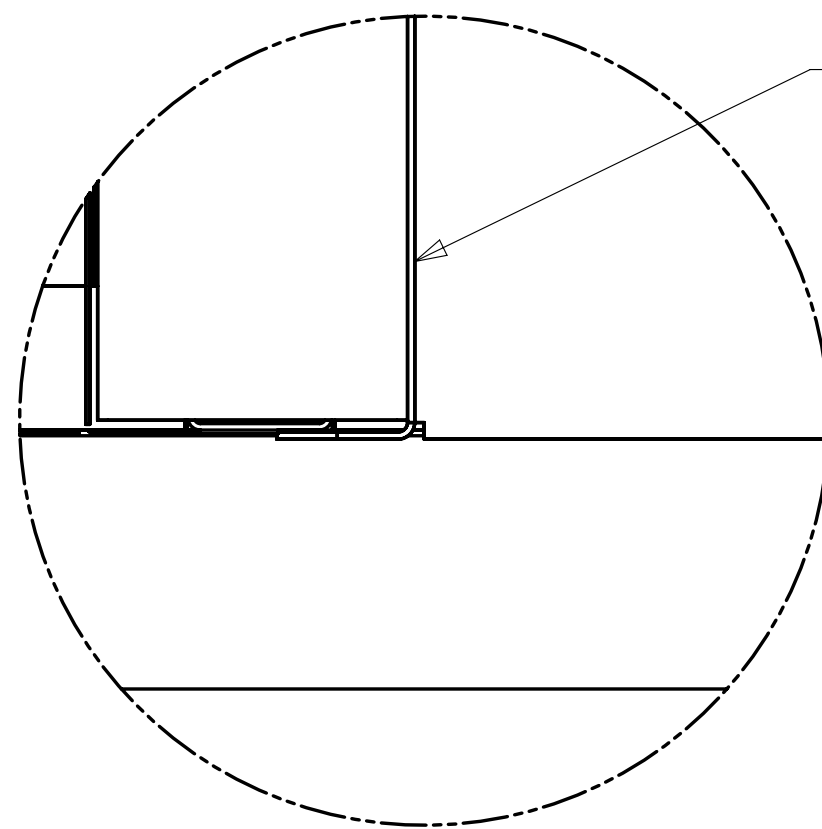
NE

DETAIL ND

VIEW NF-NF



DETAIL NC



DETAIL ND

INSIDE FACE
OF STEP BOX

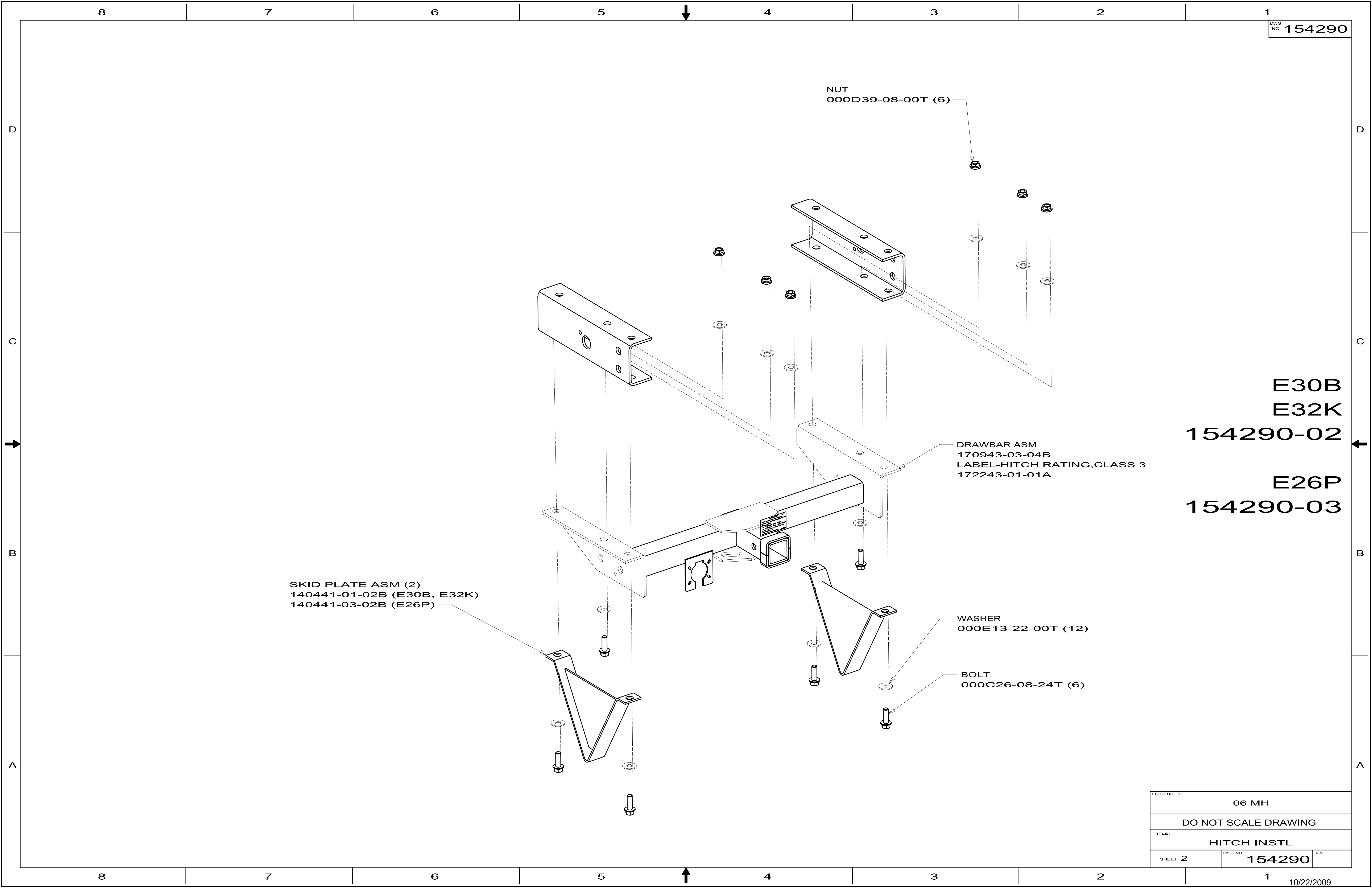
4 PLCS

CHANNEL/
COMPT FLANGE

STEP BOX

SECTION NE-NE

FIRST USED			10 E32K
DO NOT SCALE DRAWING			
TITLE: FRAME ASM-CHASSIS			
SHEET 13	PART NO	171844	REV



E30B
E32K
154290-02

E26P
154290-03

SKID PLATE ASM (2)
140441-01-02B (E30B, E32K)
140441-03-02B (E26P)

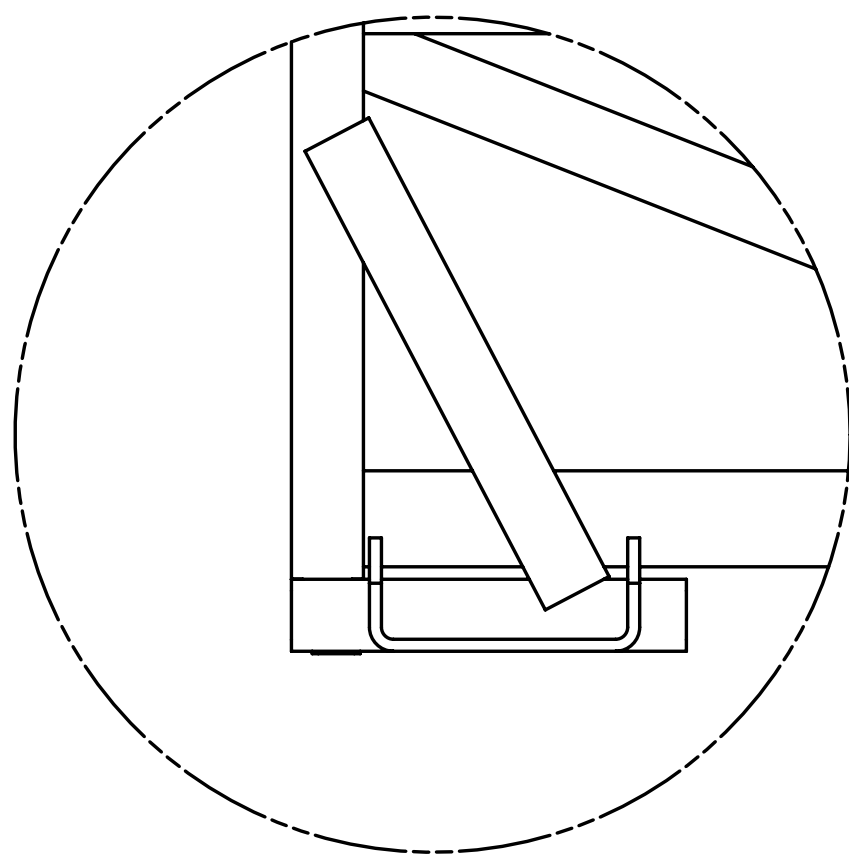
NUT
000D39-08-00T (6)

DRAWBAR ASM
170943-03-04B
LABEL-HITCH RATING, CLASS 3
172243-01-01A

WASHER
000E13-22-00T (12)

BOLT
000C26-08-24T (6)

FIRST USED			06 MH
DO NOT SCALE DRAWING			
TITLE:			HITCH INSTL
SHEET 2	PART NO	154290	REV



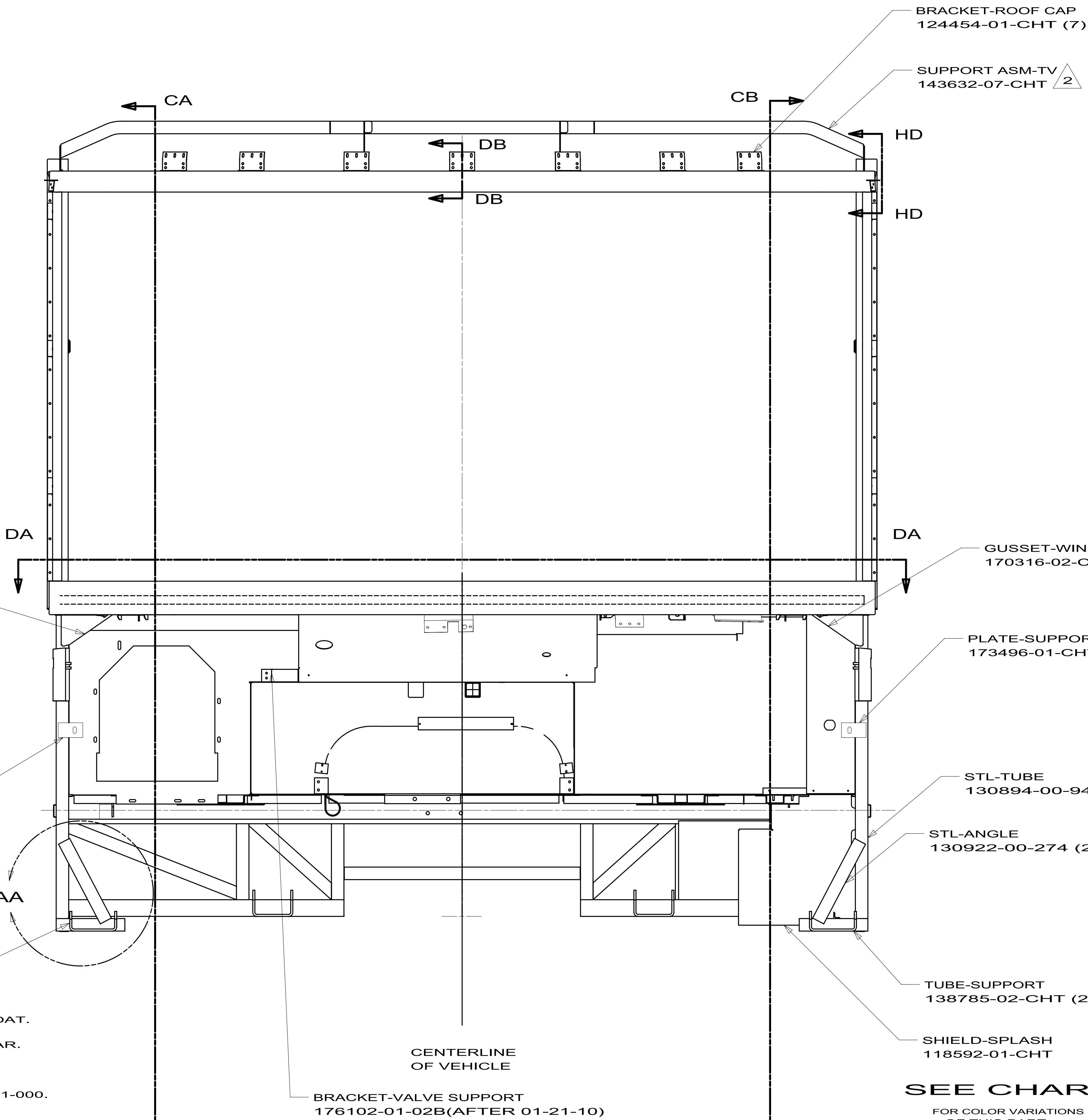
DETAIL AA

- 5 ALIGN SLOT OF ANGLE WITH SLOT IN FRAME-WINDSHIELD.
- 4 SEAL WITH SEALANT 110744-03-000 AFTER E-COAT.
- 3 DIA HOLE MUST LINE UP WITH HOLE IN B-PILLAR.
- 2 ATTACH AFTER E-COAT.

1. CLEAN, E-COAT, AND SEAL CAB WITH 143201-01-000.

NOTES:

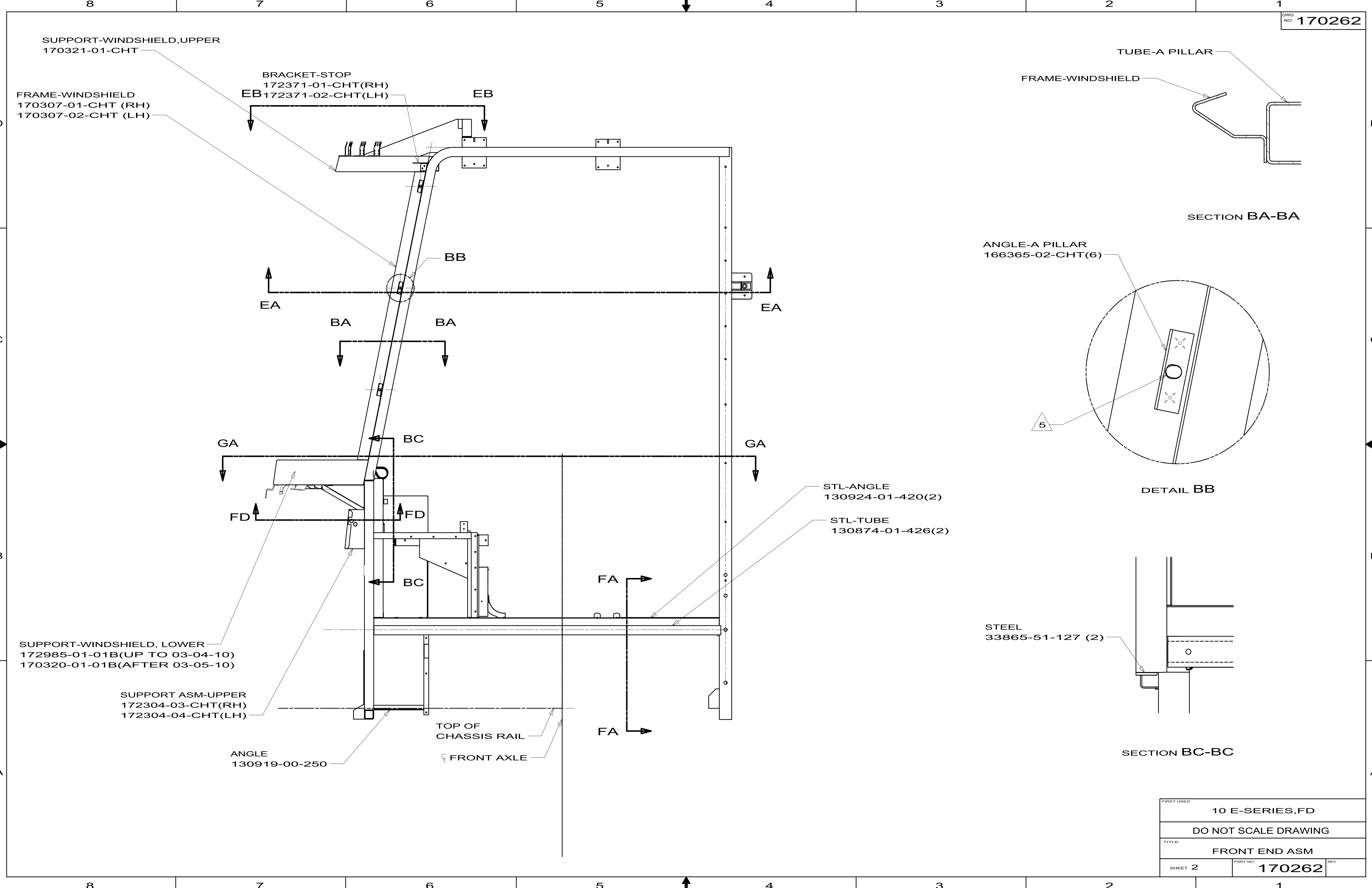
RELEASE		REV DATE	1	
A			DWG NO 170262	
REV	ZONE	REVISION RECORD		DATE DFT-ORIG



FORD

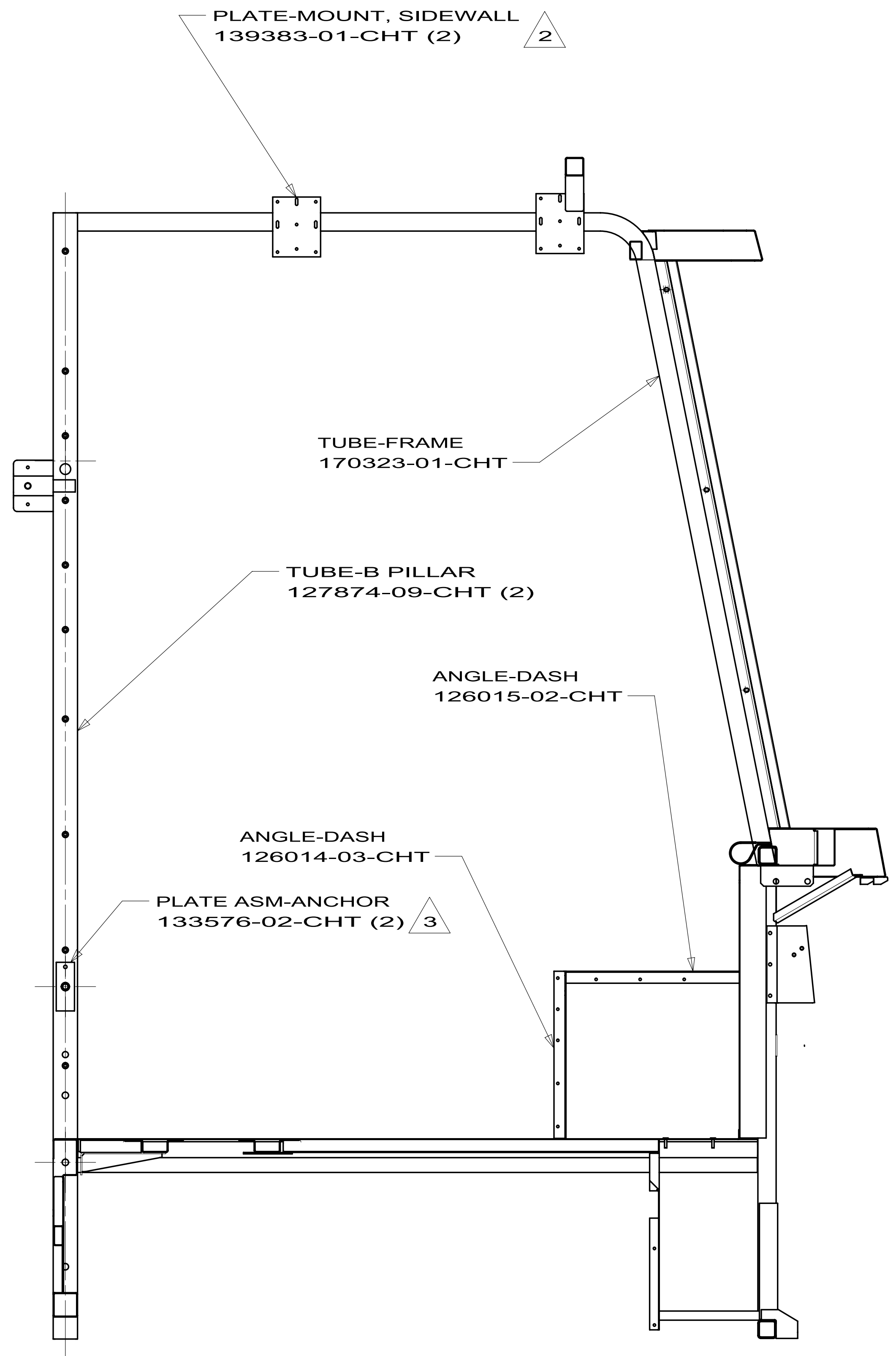
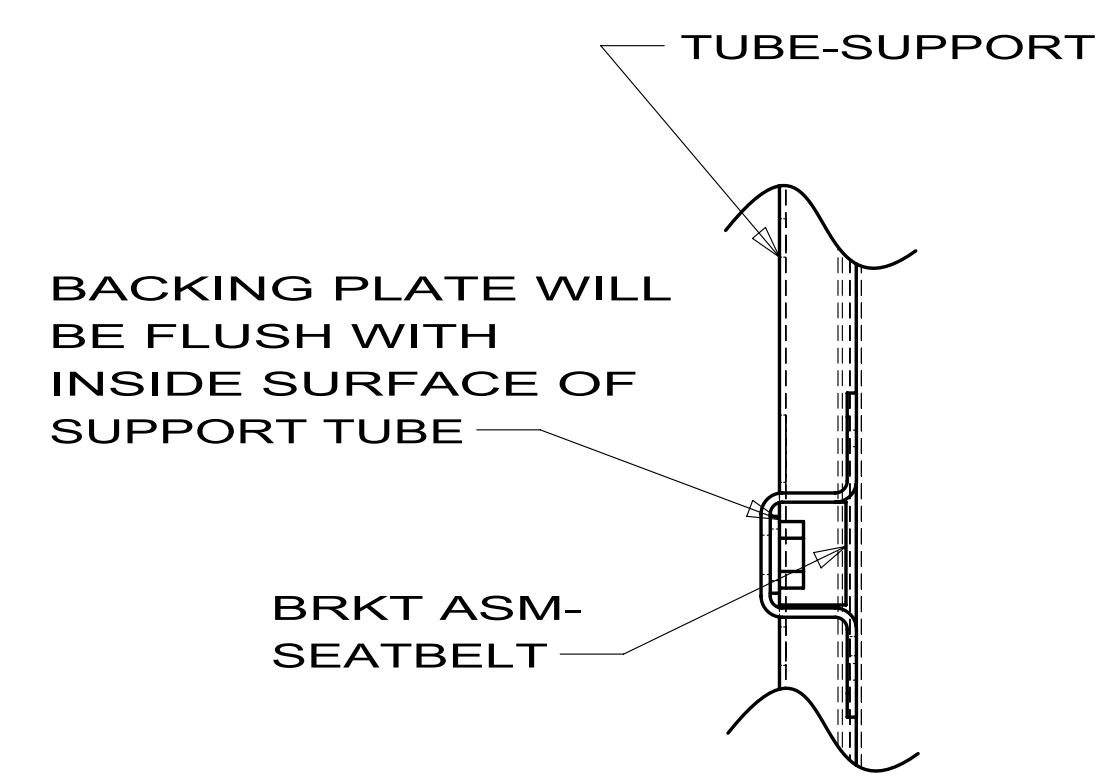
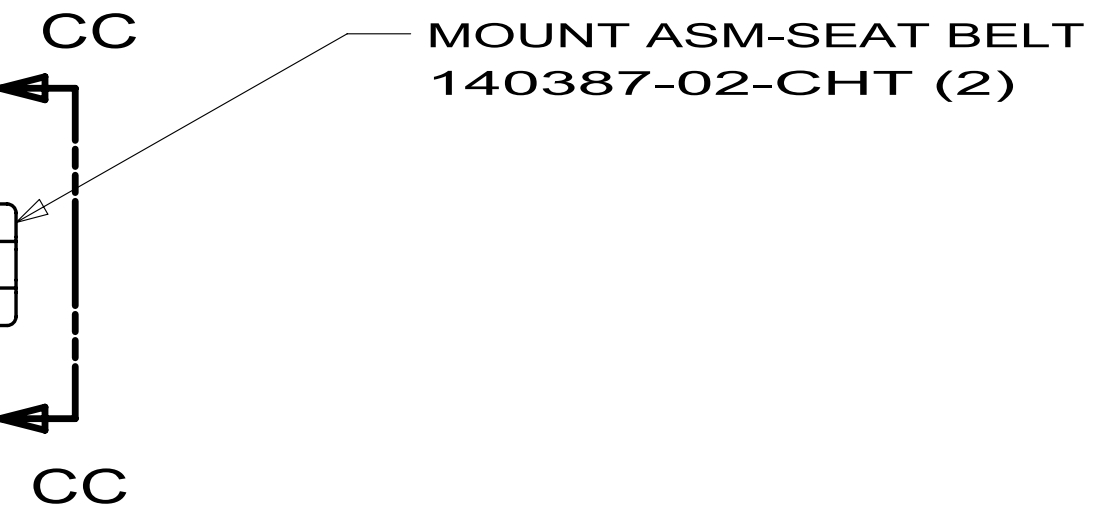
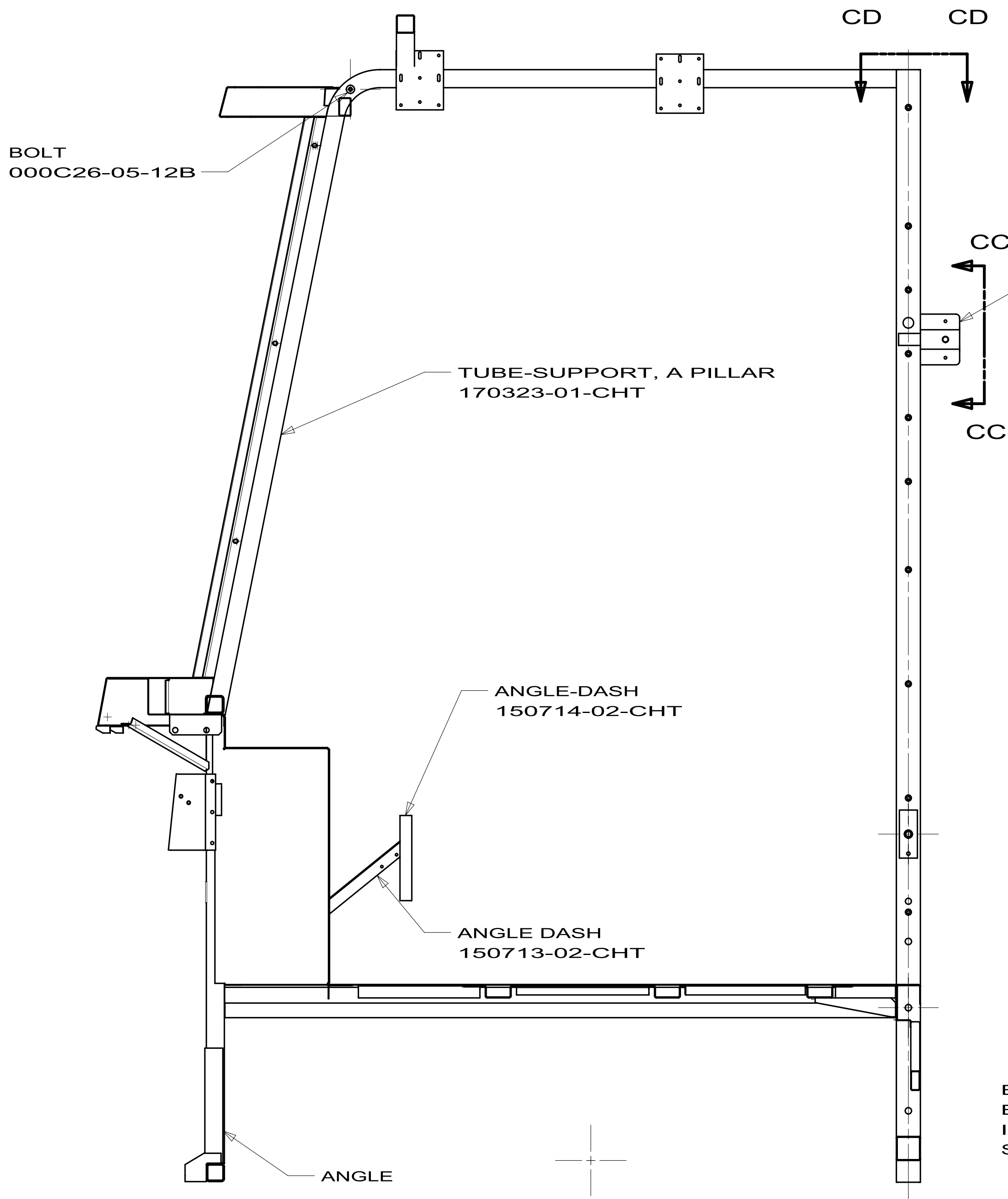
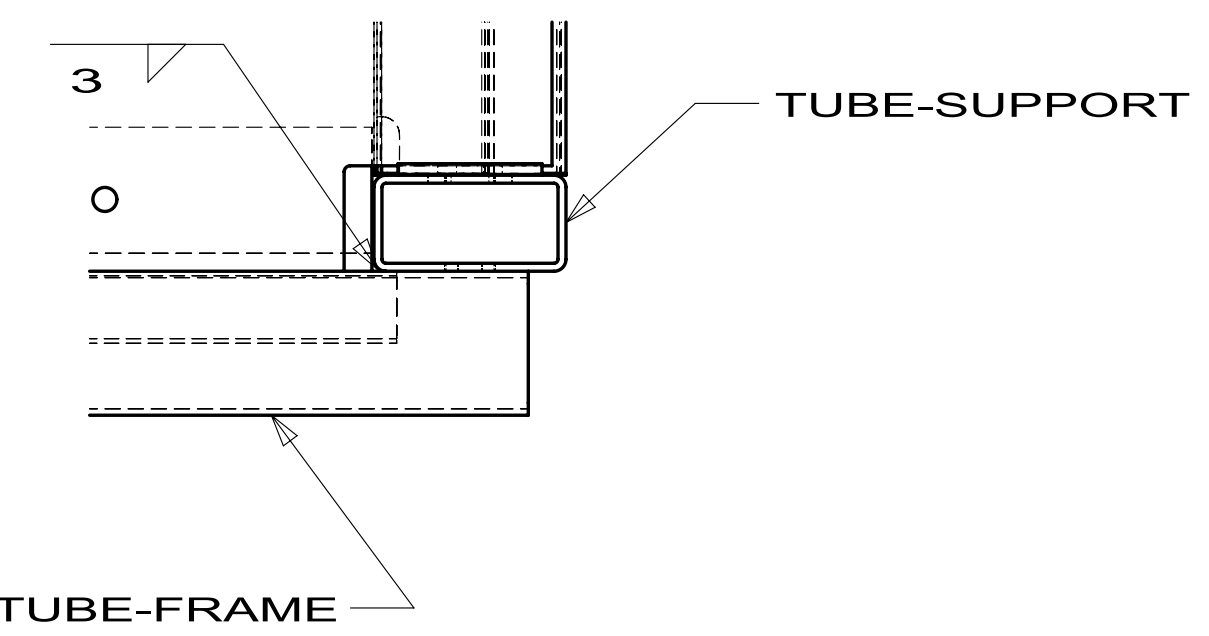
WINNEBAGO INDUSTRIES		COPYRIGHT 2010 WINNEBAGO INDUSTRIES, INC.	
DFT#		ORIG. DATE	
CHRR		ALL DIMENSIONS ARE IN MILLIMETERS	
P.E.			
M.E.		FIRST USED	
DSNR		10 E-SERIES,FD	
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X) ± 3			
ONE-PLACE (X.X) ± 1.5			
TWO-PLACE (X.XX) ± 0.50			
ANGLE ± 1°			
THIRD ANGLE PROJECTION 			
DO NOT SCALE DRAWING		WEIGHT: 350.0 LBS	
TITLE:		REFER TO ES0018 FOR FASTENER TIGHTENING GUIDELINES	
FRONT END ASM			
SHEET 1 OF 8		PART NO	REV
		170262	

SEE CHART
FOR COLOR VARIATIONS
OF THIS PART

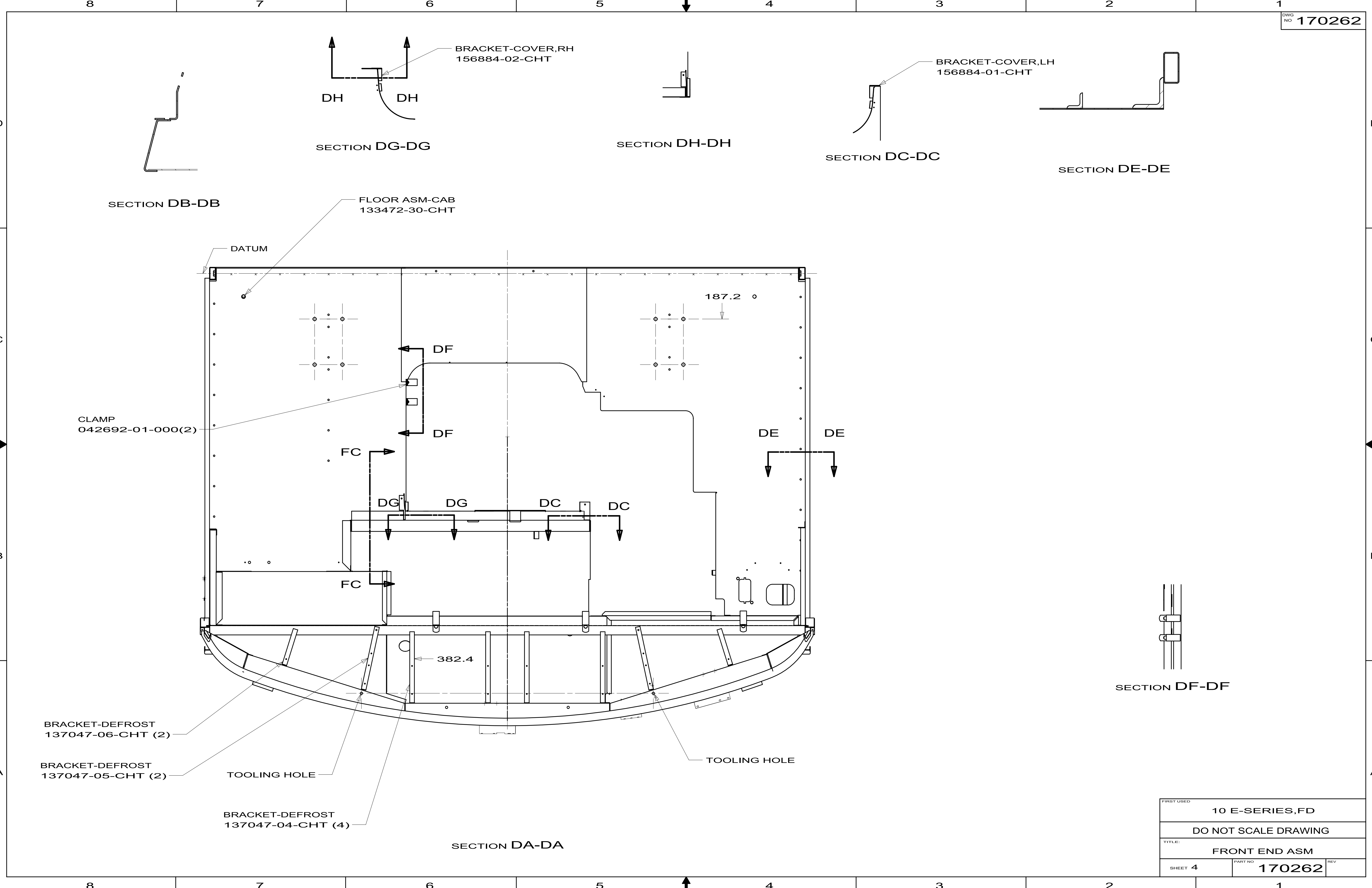


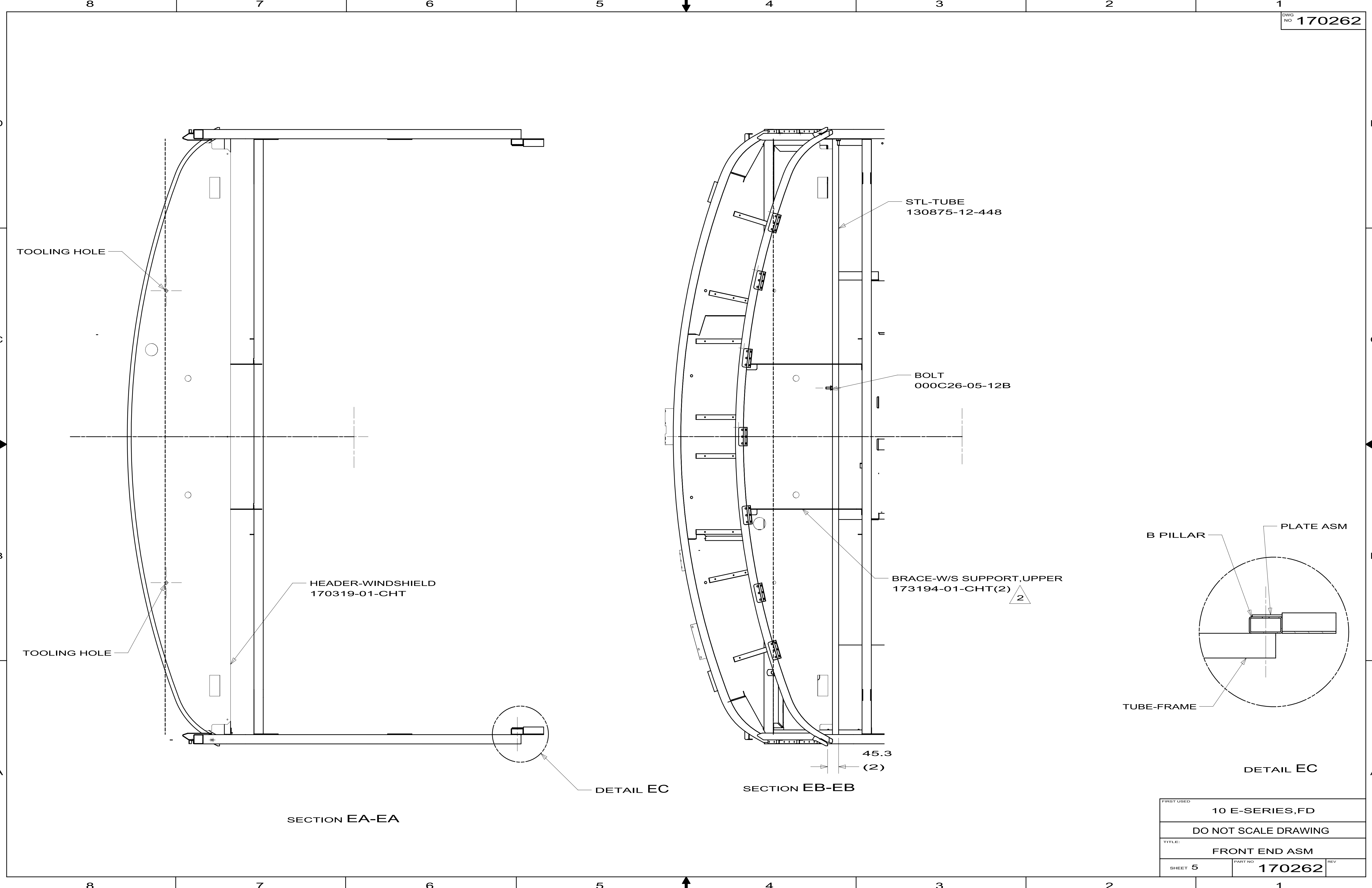
D
C
B
A

A



FIRST USED		10 E-SERIES,FD	
DO NOT SCALE DRAWING			
TITLE: FRONT END ASM			
SHEET 3	PART NO	170262	REV





TOOLING HOLE

TOOLING HOLE

HEADER-WINDSHIELD
170319-01-CHT

SECTION EA-EA

DETAIL EC

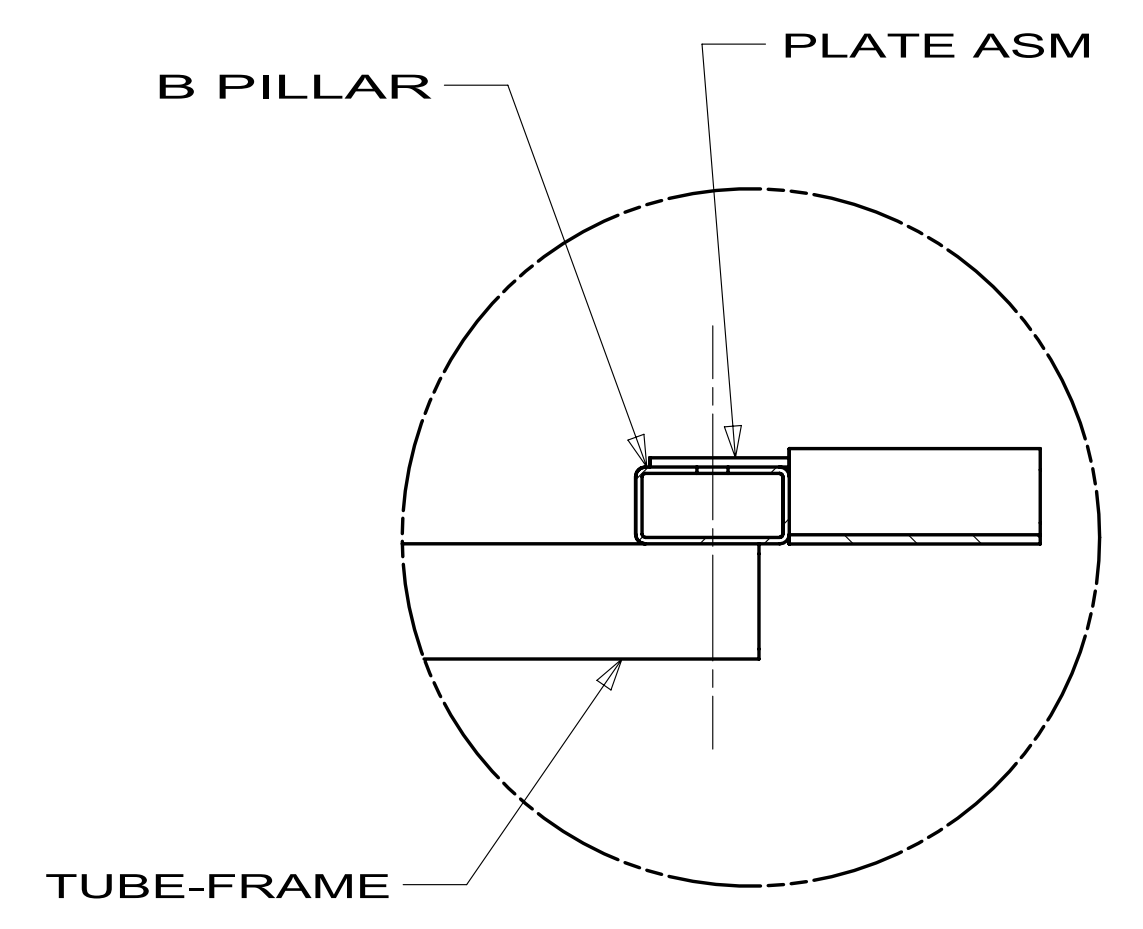
STL-TUBE
130875-12-448

BOLT
000C26-05-12B

BRACE-W/S SUPPORT,UPPER
173194-01-CHT(2)

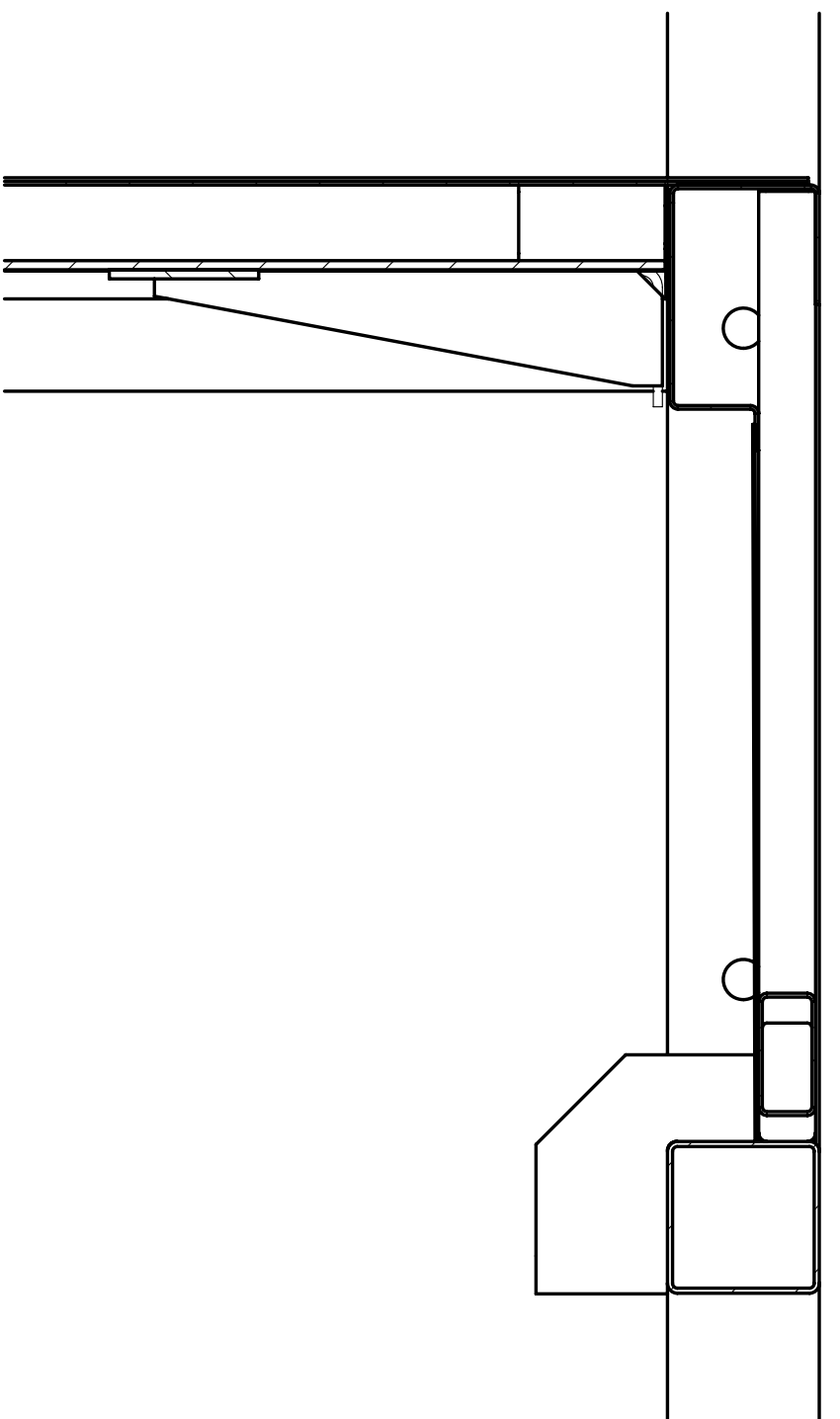
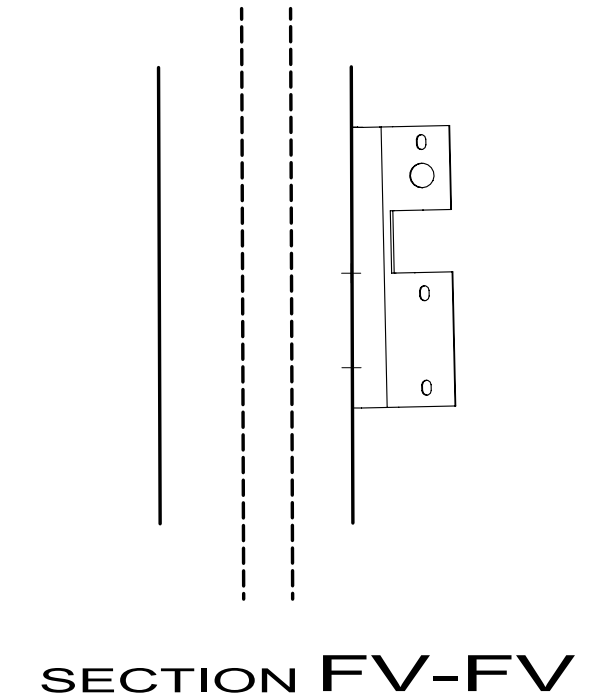
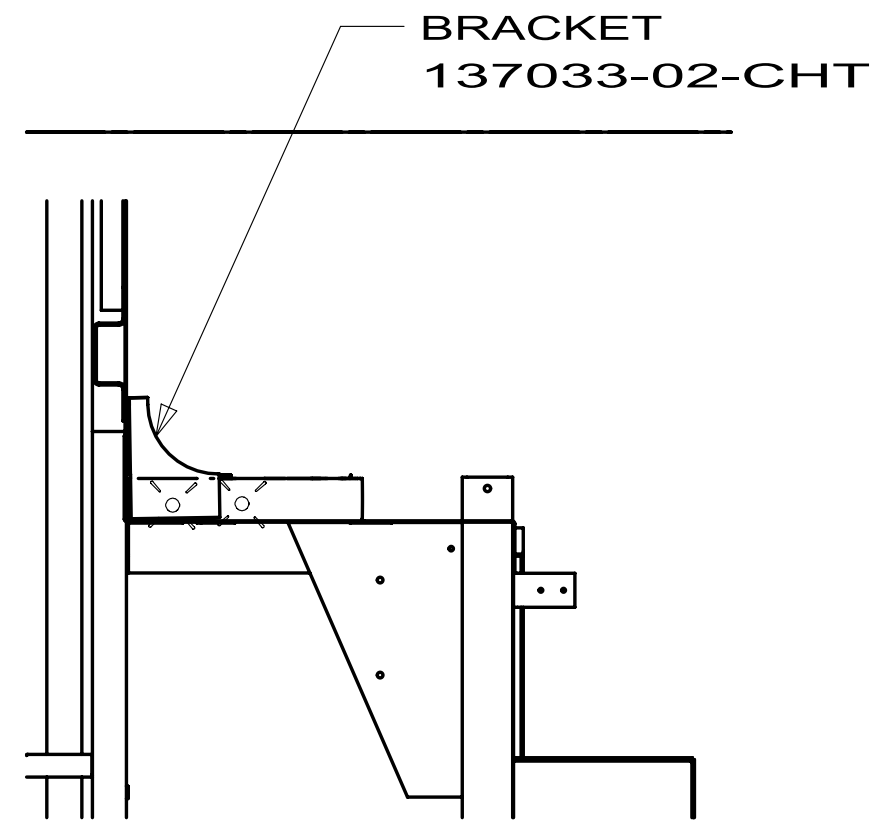
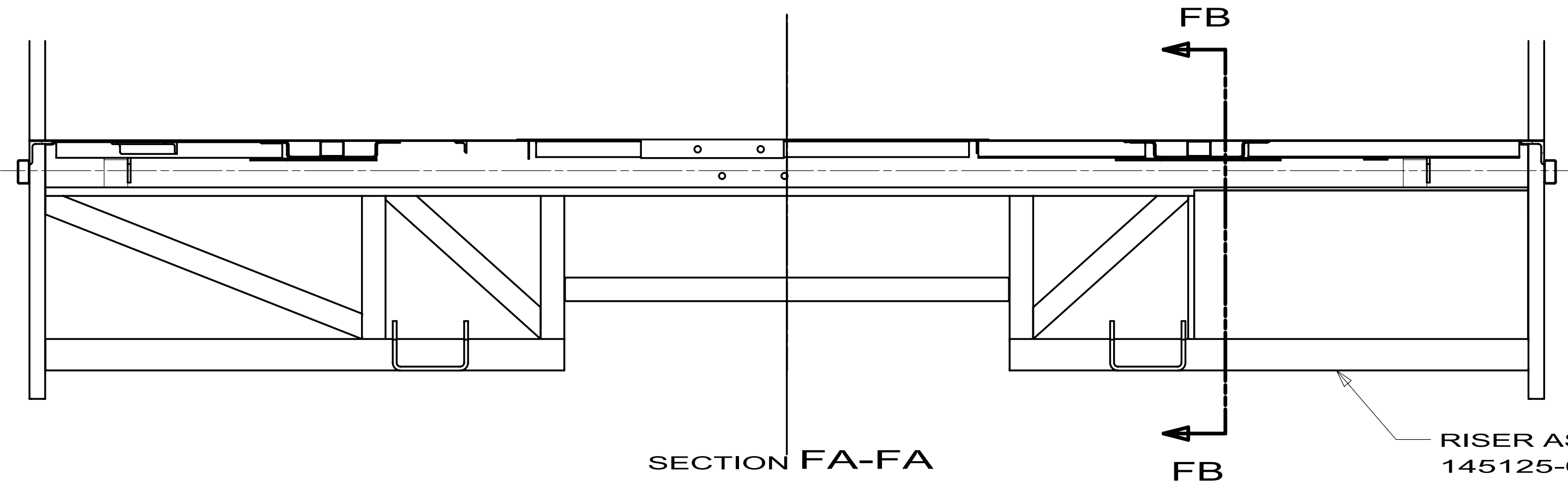
45.3
(2)

SECTION EB-EB

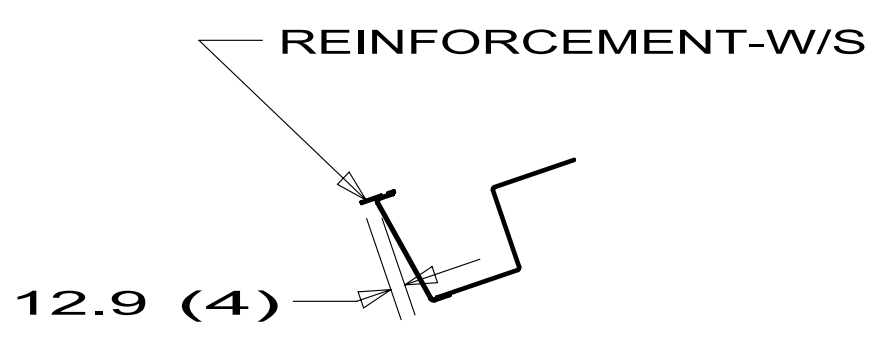
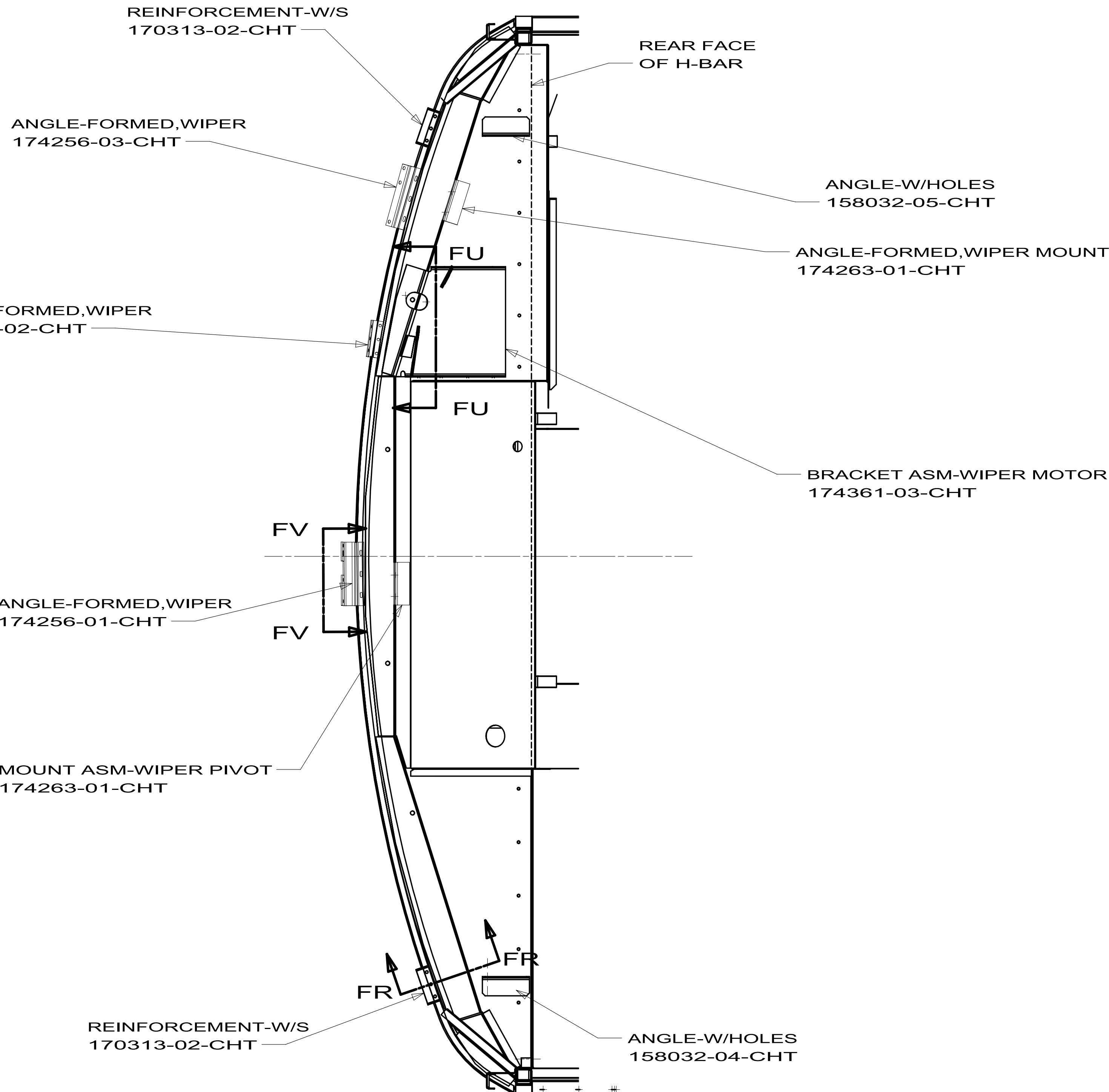


DETAIL EC

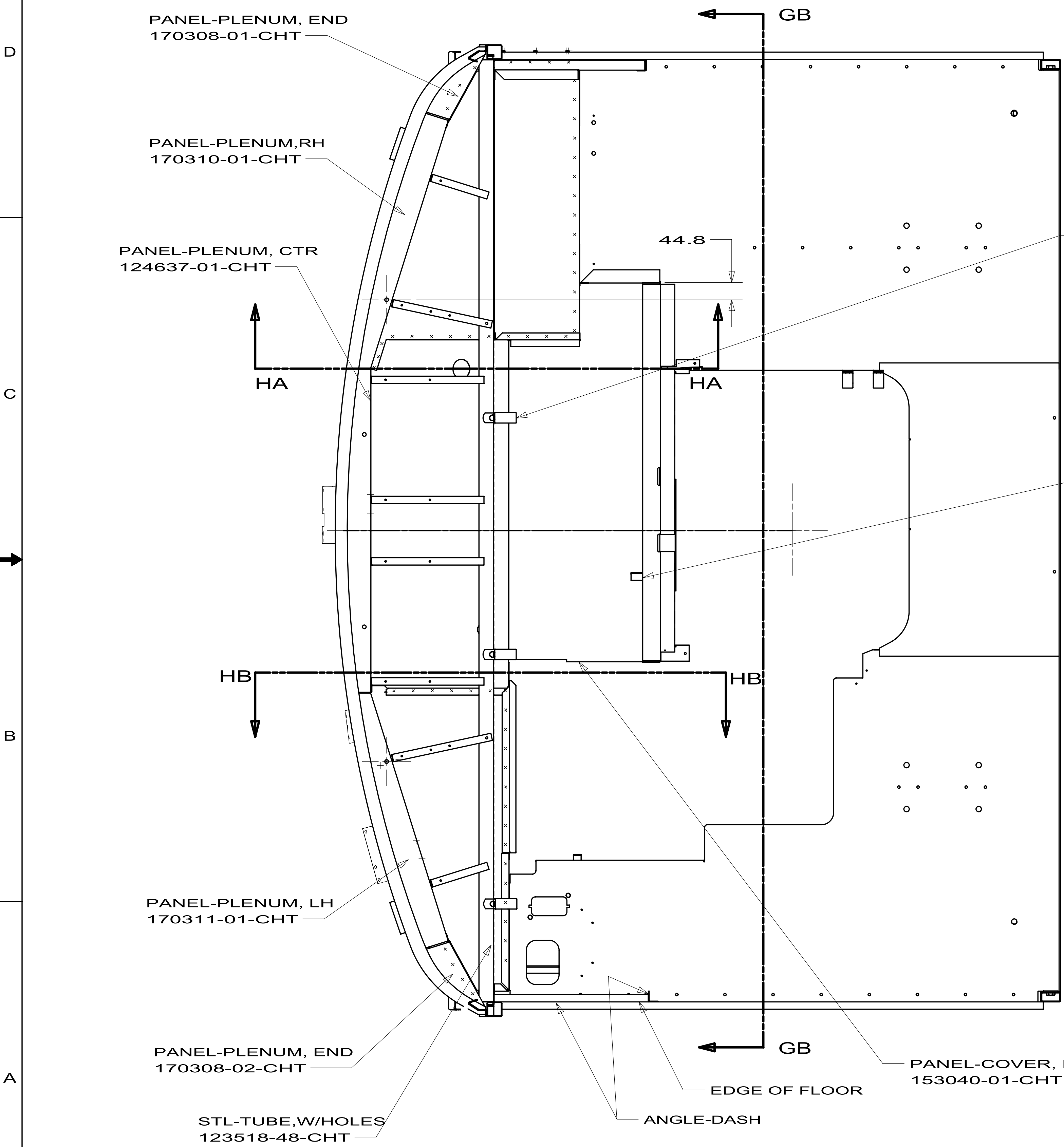
FIRST USED			10 E-SERIES,FD
DO NOT SCALE DRAWING			
TITLE:			FRONT END ASM
SHEET 5	PART NO	170262	REV



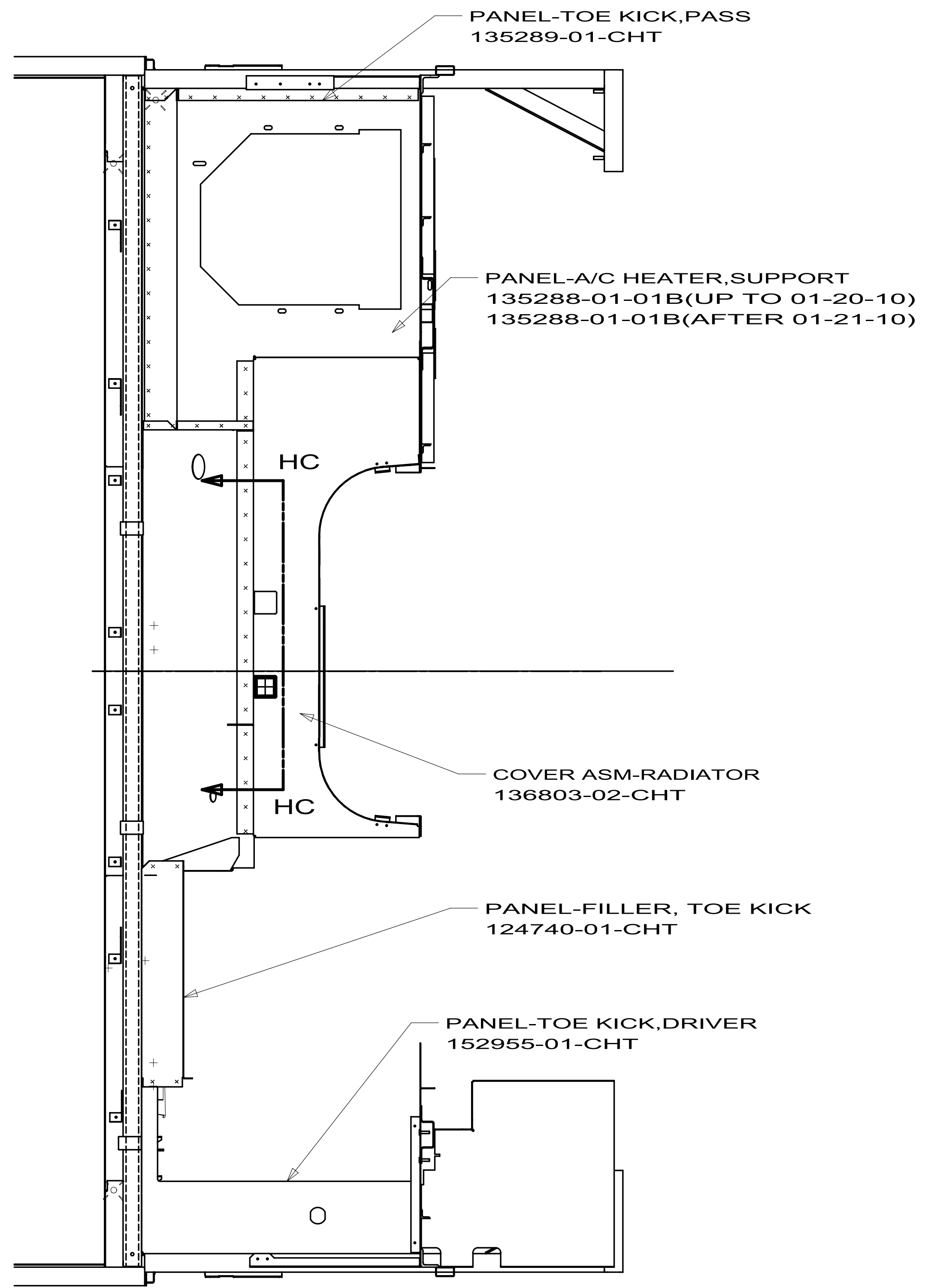
SECTION FU-FU



FIRST USED			10 E-SERIES,FD
DO NOT SCALE DRAWING			
TITLE:			FRONT END ASM
SHEET 6	PART NO	170262	REV

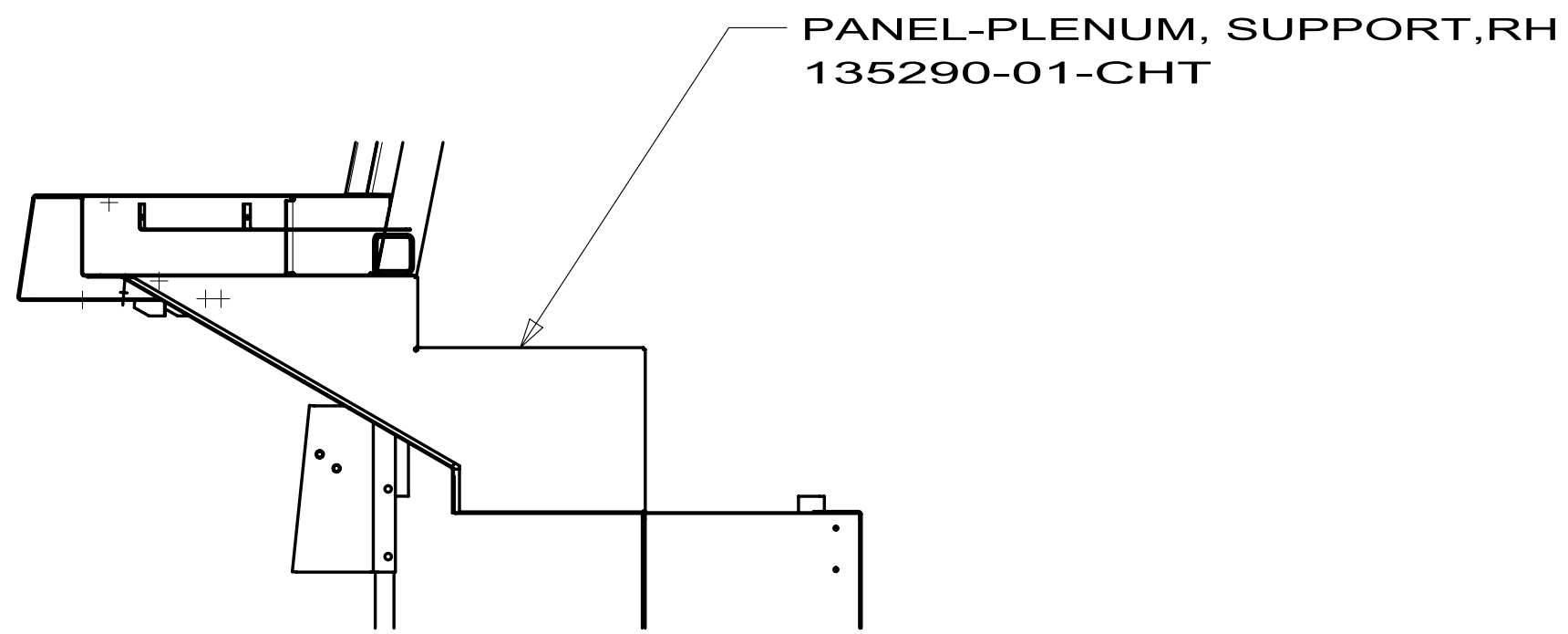


SECTION GA-GA

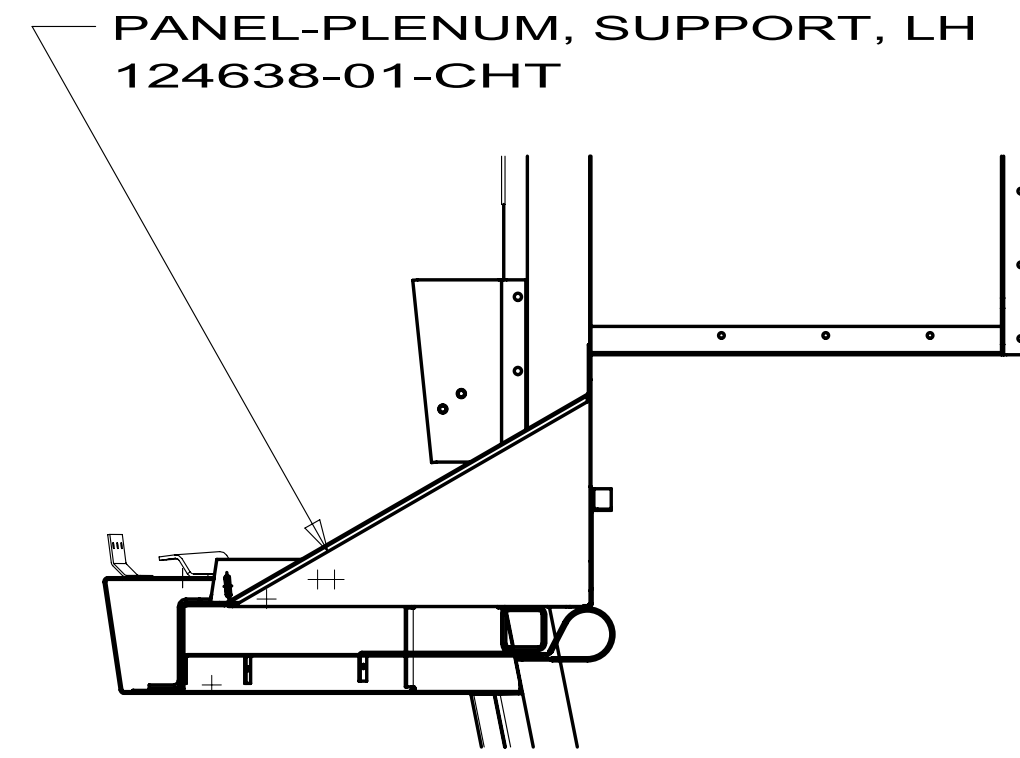


SECTION GB-GB

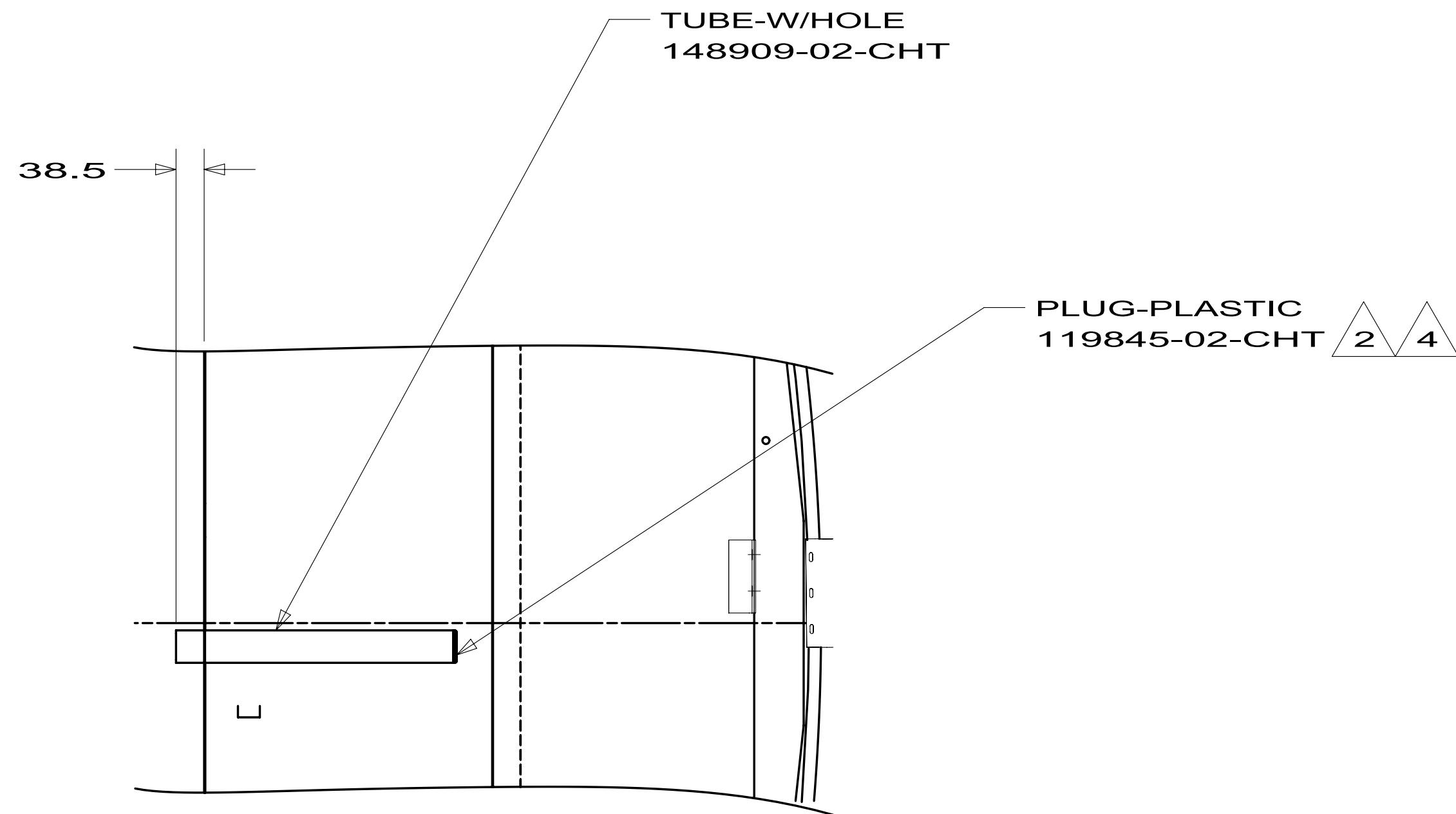
FIRST USED		10 E-SERIES,FD	
DO NOT SCALE DRAWING			
TITLE: FRONT END ASM			
SHEET 7	PART NO	170262	REV



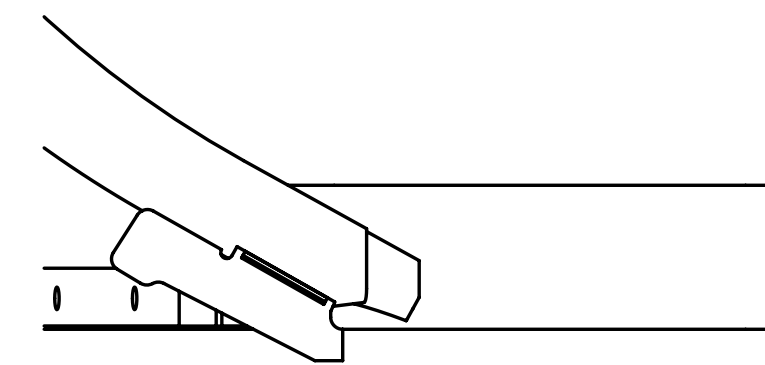
SECTION HA-HA



SECTION HB-HB

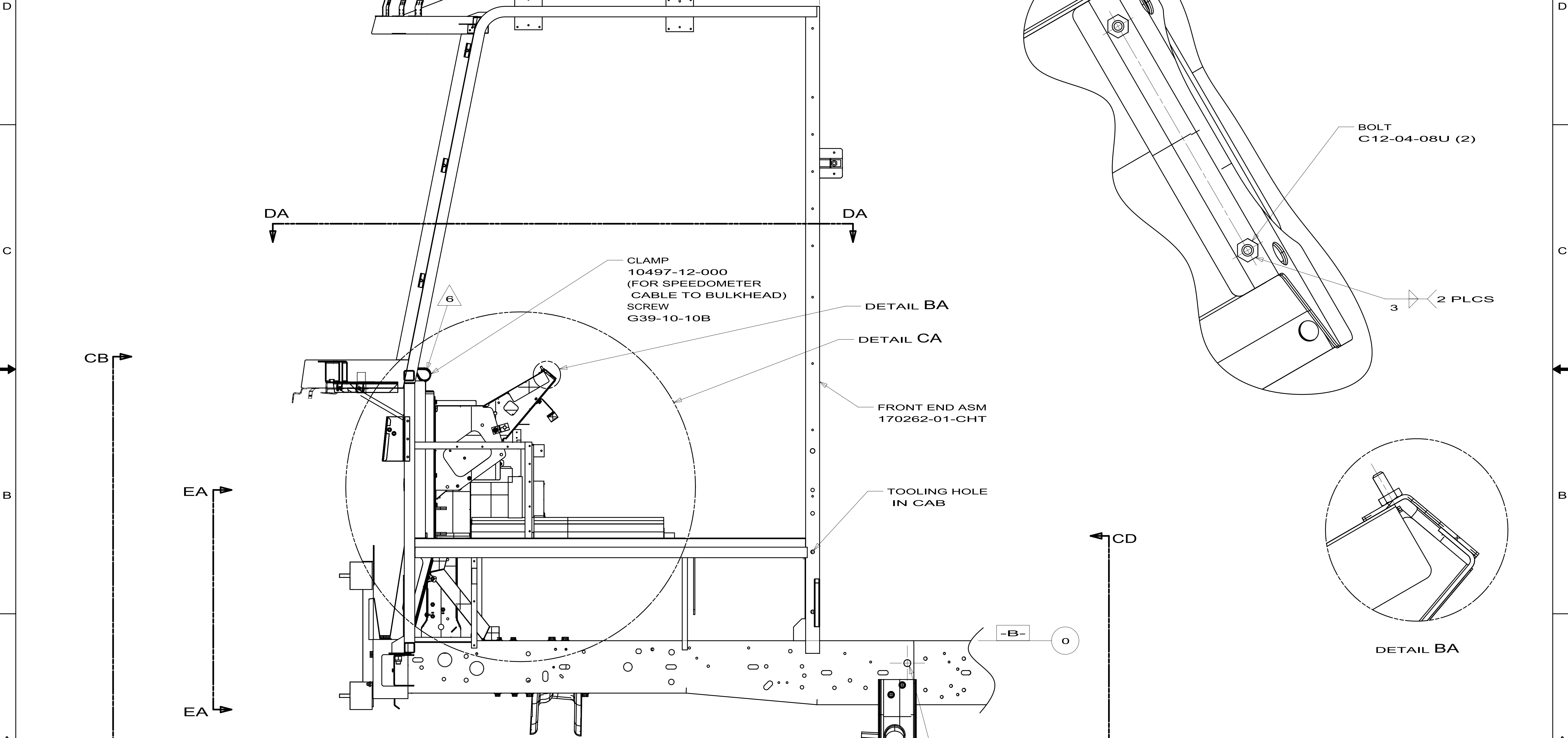


SECTION HC-HC



SECTION HD-HD

FIRST USED		
10 E-SERIES,FD		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END ASM		
SHEET 8	PART NO 170262	REV



FIRST USED			
10 E-SERIES,FD			
DO NOT SCALE DRAWING			
TITLE:			
FRONT END/CHASSIS ASM			
SHEET 2		PART NO	REV
		170263	

BAFFLE
(CHASSIS SUPPLIED)
SCREW
G39-10-12U (6)

POWER STEERING
RESERVOIR (REF)

OIL DIPSTICK

PANEL-FILLER
156027-01-000

STL-SHEET
33390-51-316

STL-SHEET
33390-51-316

ANGLE-FORMED
135620-01-CHT

TRIM FORD FLOOR
(SEE DRAWING 132337,
SHEET 8, SECTION HB-HB)

DETAIL CA

EE

EE

CC

CC

BRACKET ASM-BREAKER BOX
155399-01-CHT

VIEW CB-CB

2 SIDES

2

SECTION CC-CC

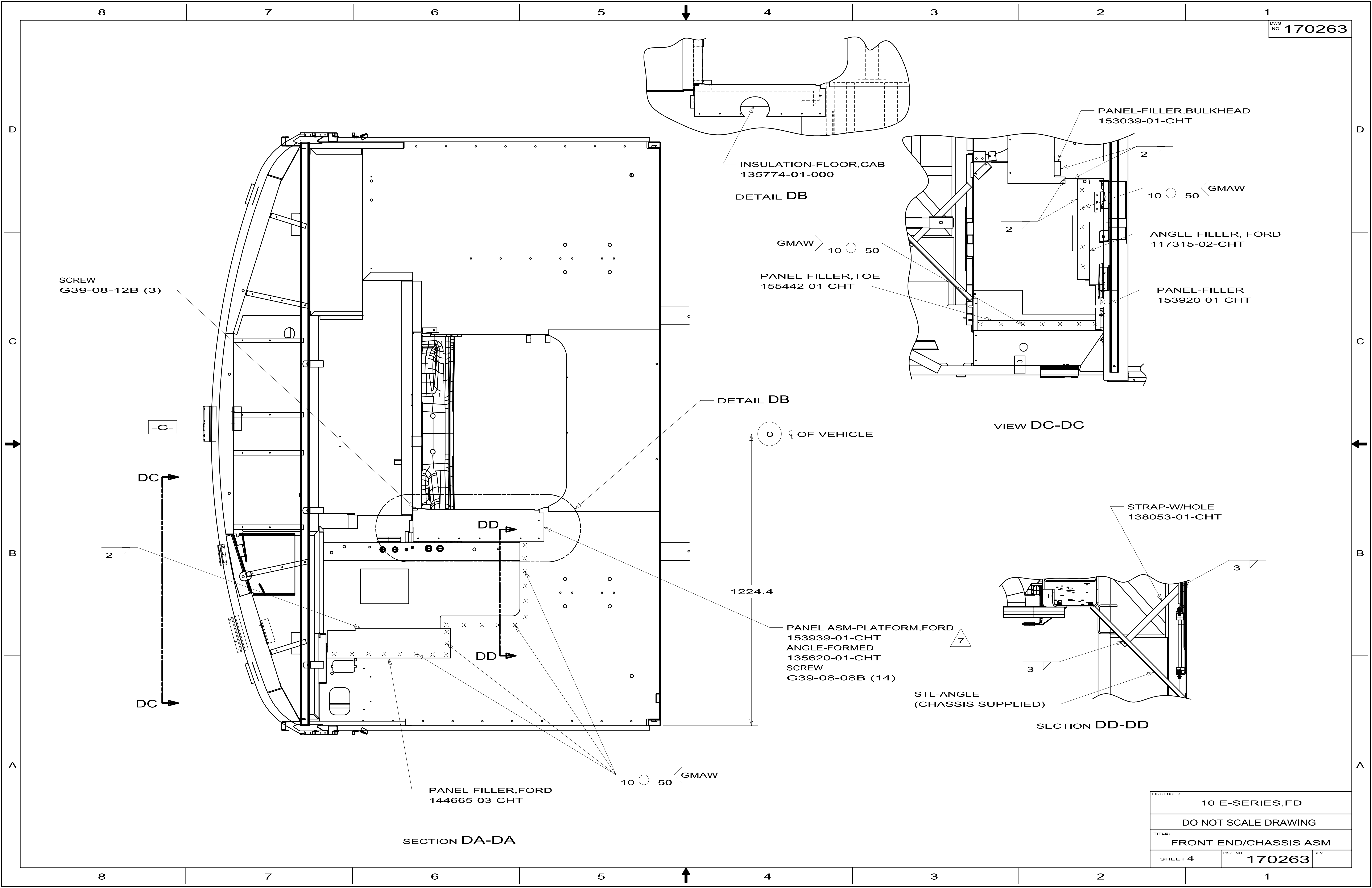
2 PLCS

3

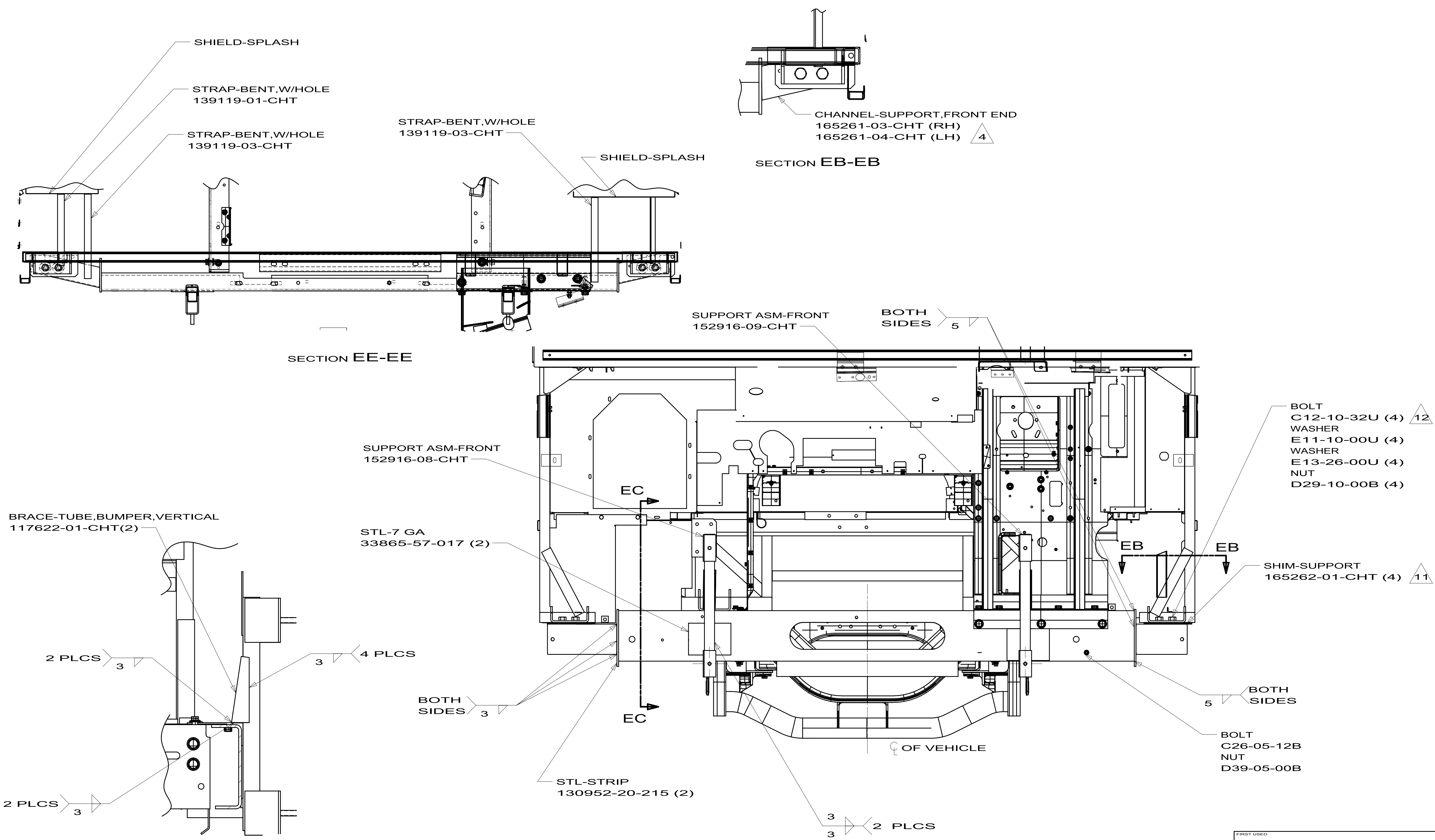
VIEW CD-CD

SHIELD ASM-SPLASH,HEADLIGHT
144679-02-CHT
NUT
D39-04-000 (2)
SCREW
G11-10-12B (2)
(ATTACH TO SIDEWALL)

FIRST USED	10 E-SERIES,FD		
TITLE:	DO NOT SCALE DRAWING		
	FRONT END/CHASSIS ASM		
SHEET 3	PART NO	170263	REV

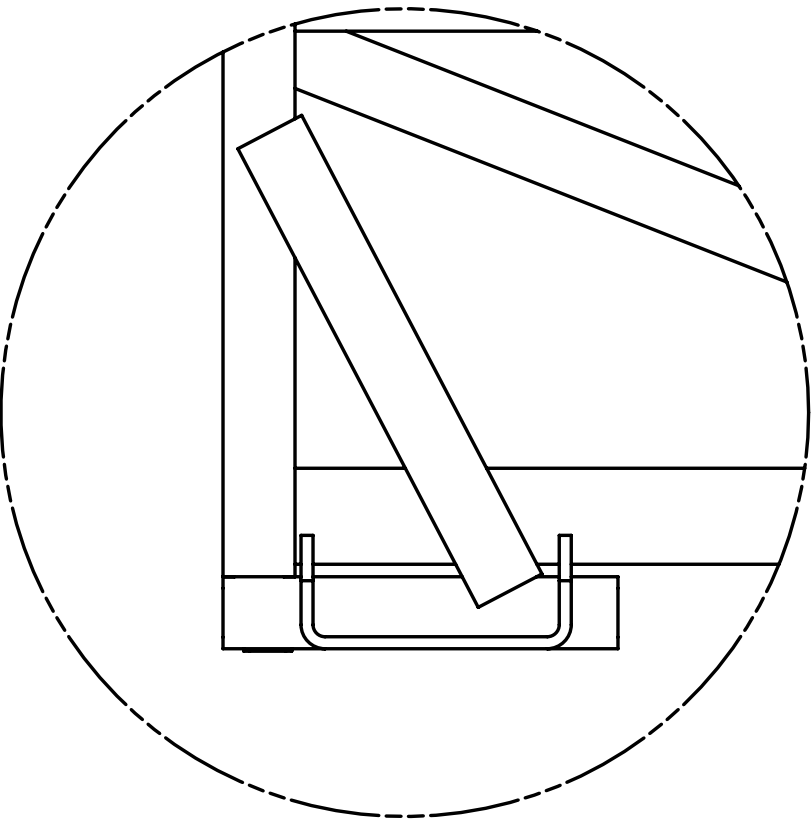


FIRST USED		
10 E-SERIES,FD		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END/CHASSIS ASM		
SHEET 4	PART NO	REV
	170263	

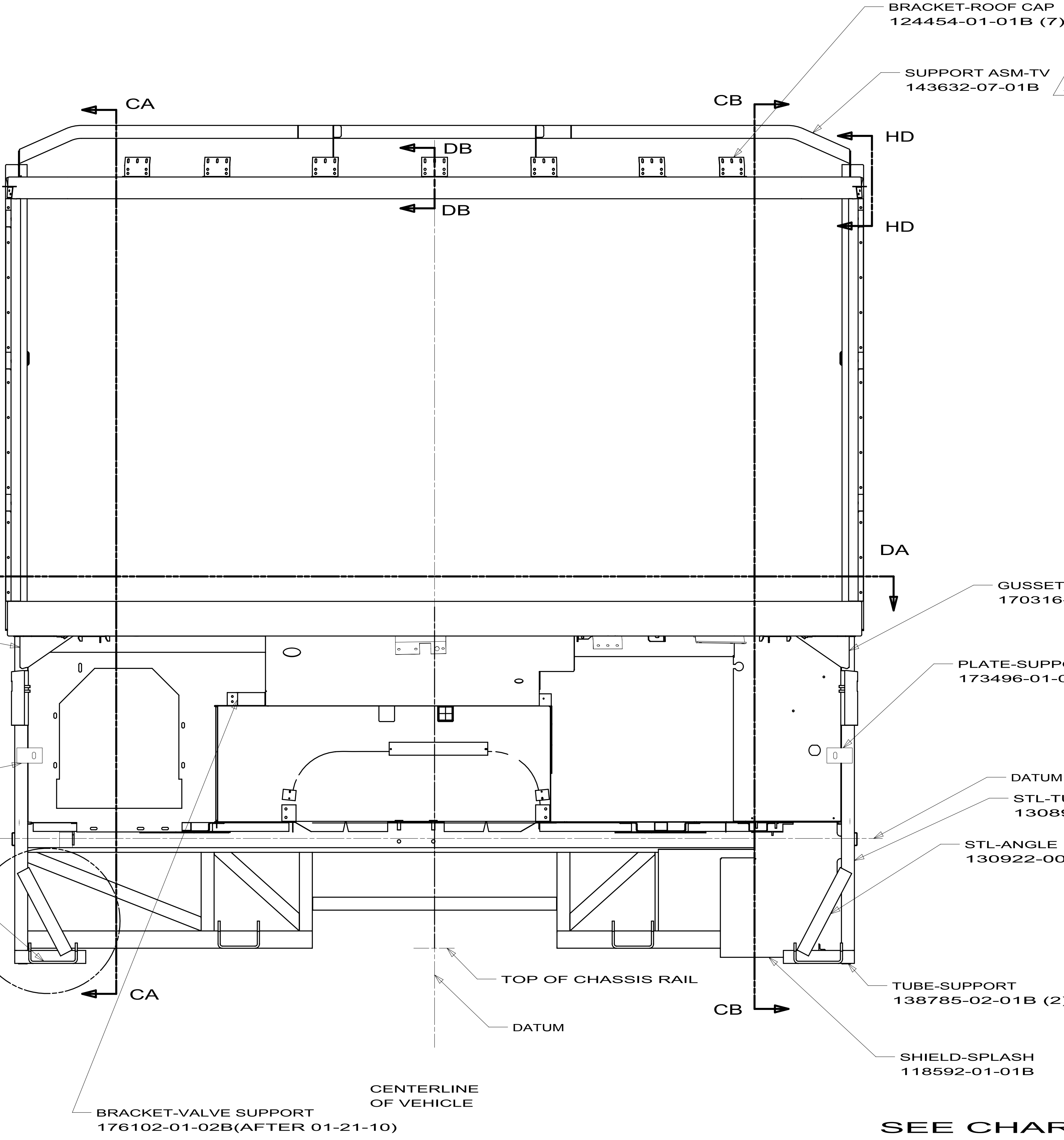


FIRST USED			10 E-SERIES, FD
DO NOT SCALE DRAWING			
TITLE:			FRONT END/CHASSIS ASM
SHEET 5	PART NO	170263	REV

		COPYRIGHT 2010 WINNEBAGO INDUSTRIES, INC.	
DFT:R		ORIG. DATE	
CHK:R		ALL DIMENSIONS ARE IN MILLIMETERS	
P.E.:		FIRST USED	
M.E.:		10 E-SERIES,WH	
DSNR:		WEIGHT: 370.8 LBS	
UNSPECIFIED TOLERANCES ARE:		REFER TO ES0018 FOR FASTENER TIGHTENING GUIDELINES	
WHOLE DIM (X) : 3			
ONE-PLACE (X.X) : 1.5			
TWO-PLACE (X.XX) : 0.50			
ANGLE : 1°			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE: FRONT END ASM			
SHEET 1 OF 8		PART NO 170264	
REF:		1	



DETAIL AA



- 5 ALIGN SLOT OF ANGLE WITH SLOT IN FRAME-WINDSHIELD.
- 4 SEAL WITH SEALANT 110744-03-000 AFTER E-COAT.
- 3 DIA HOLE MUST LINE UP WITH HOLE IN B-PILLAR.
- 2 ATTACH AFTER E-COAT.

1. CLEAN, E-COAT AND SEAL CAB WITH 143201-01-000.

NOTES:

SEE CHART
FOR COLOR VARIATIONS
OF THIS PART

SUPPORT-WINDSHIELD,UPPER
170321-01-01B

FRAME-WINDSHIELD
170307-01-01B (RH)
170307-02-01B (LH)

BRACKET-STOP
172371-01-01B(RH)(UP TO 04-26-10)
172371-02-01B(LH)(UP TO 04-26-10)

TUBE-A PILLAR

FRAME-WINDSHIELD

SECTION BA-BA

ANGLE-A PILLAR
166365-02-01B(6)

DETAIL BB

STL-ANGLE
130924-01-420 (2)

STL-TUBE
130874-01-426(2)

SUPPORT-WINDSHIELD, LOWER
172985-01-01B(UP TO 03-04-10)
170320-01-01B(AFTER 03-05-10)

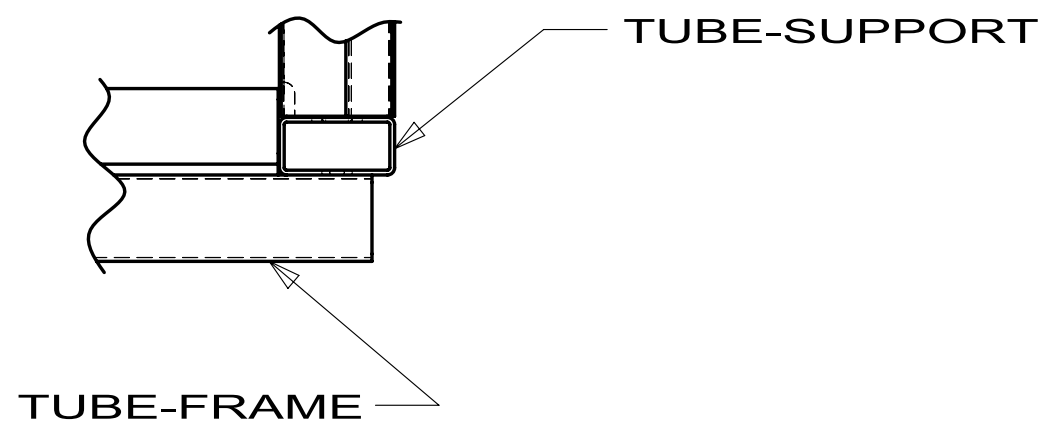
STEEL
33865-51-127 (2)

SUPPORT ASM,UPPER
172304-03-01B(RH)
172304-04-01B(LH)

ANGLE
130919-00-250

SECTION BC-BC

FIRST USED			10 E-SERIES,WH
TITLE:			DO NOT SCALE DRAWING
SHEET 2			FRONT END ASM
PART NO		170264	REV



VIEW CD-CD
2 PLCS

PLATE-MOUNT, SIDEWALL
139383-01-02B(2) 2

TUBE-SUPPORT
170323-01-01B

TUBE-B PILLAR
127874-09-01B(2)

ANGLE-DASH
126015-02-01B

ANGLE-DASH
126014-03-01B

PLATE ASM-ANCHOR
133576-02-01B (2) 3

ANGLE

SECTION CB-CB

CC
MOUNT ASM-SEAT BELT
140387-02-CHT (2)
CC

TUBE-SUPPORT

BRKT ASM-
SEATBELT

BACKING PLATE WILL
BE FLUSH WITH
INSIDE SURFACE OF
SUPPORT TUBE

VIEW CC-CC
2 PLCS

SECTION CA-CA

ANGLE

TUBE-SUPPORT
170323-01-01B

ANGLE-DASH
150714-02-01B

ANGLE DASH
150713-02-01B

BOLT
000C26-05-12B

FIRST USED		10 E-SERIES,WH	
DO NOT SCALE DRAWING			
TITLE:			
FRONT END ASM			
SHEET 3	PART NO	170264	REV

SECTION DB-DB

SECTION DG-DG

SECTION DH-DH

SECTION DC-DC

SECTION DE-DE

SECTION DA-DA

VIEW DF-DF

BRACKET-DEFROST
137047-06-01B (2)

BRACKET-DEFROST
137047-05-01B (2)

BRACKET-DEFROST
137047-04-01B (4)

TOOLING HOLE

TOOLING HOLE

CLAMP
042692-01-000(2)

FLOOR ASM-CAB
133472-29-01B

DATUM

BRACKET-COVER,RH
156884-02-01B

BRACKET-COVER,LH
156884-01-01B

FIRST USED		
10 E-SERIES,WH		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END ASM		
SHEET 4	PART NO 170264	REV

TOOLING HOLE

600.0 (2)

TOOLING HOLE

HEADER-WINDSHIELD
170319-01-01B

DETAIL EC

SECTION EA-EA

STL-TUBE
130875-12-448

BOLT
000C26-05-12B

BRACE-W/S SUPPORT,UPPER
173194-01-02B(2)

PLATE ASM

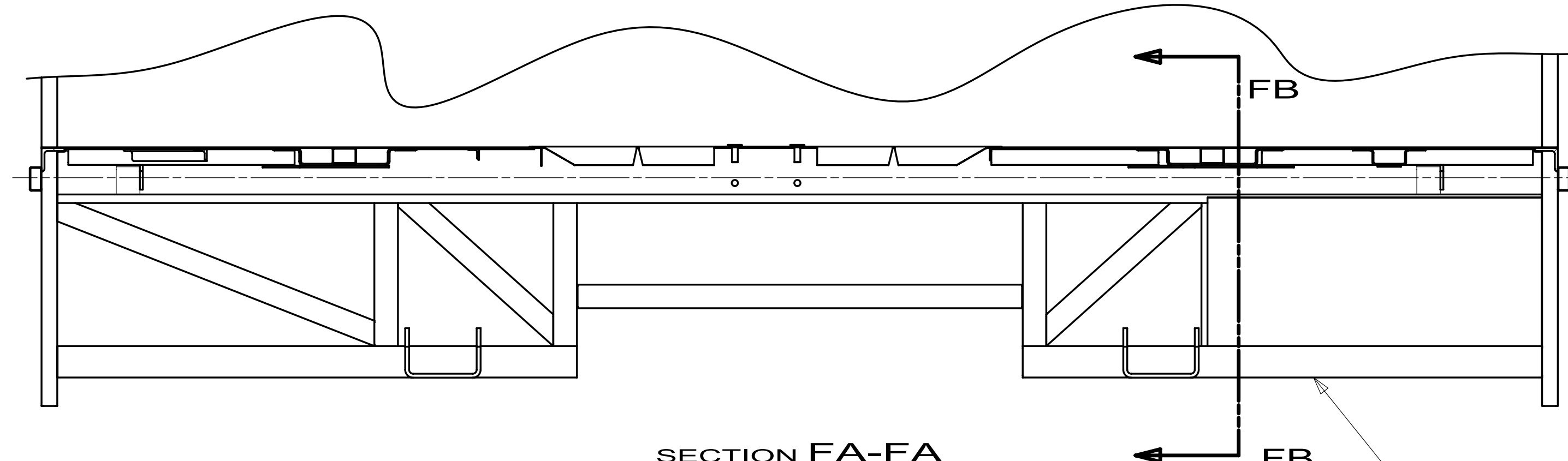
B PILLAR

TUBE-FRAME

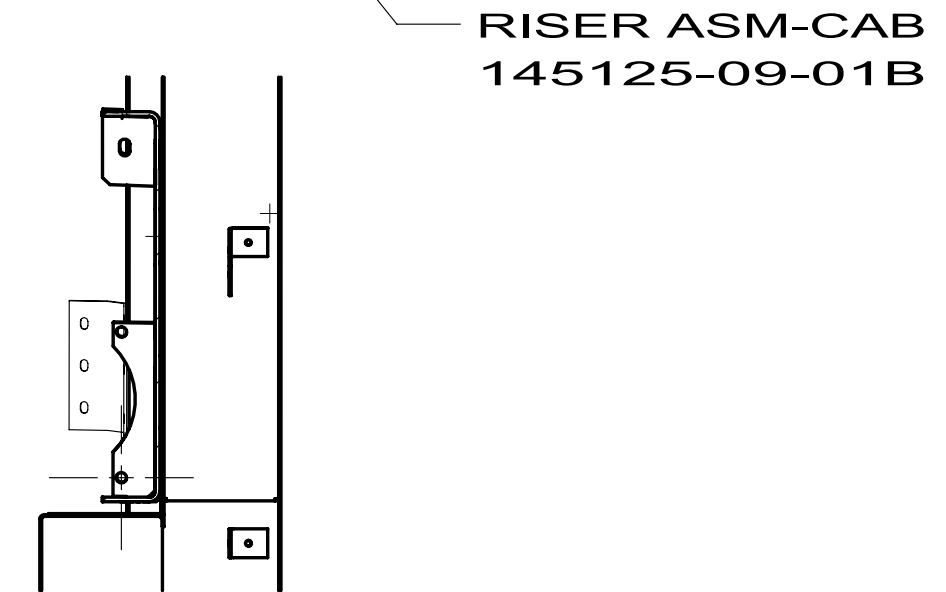
DETAIL EC

SECTION EB-EB

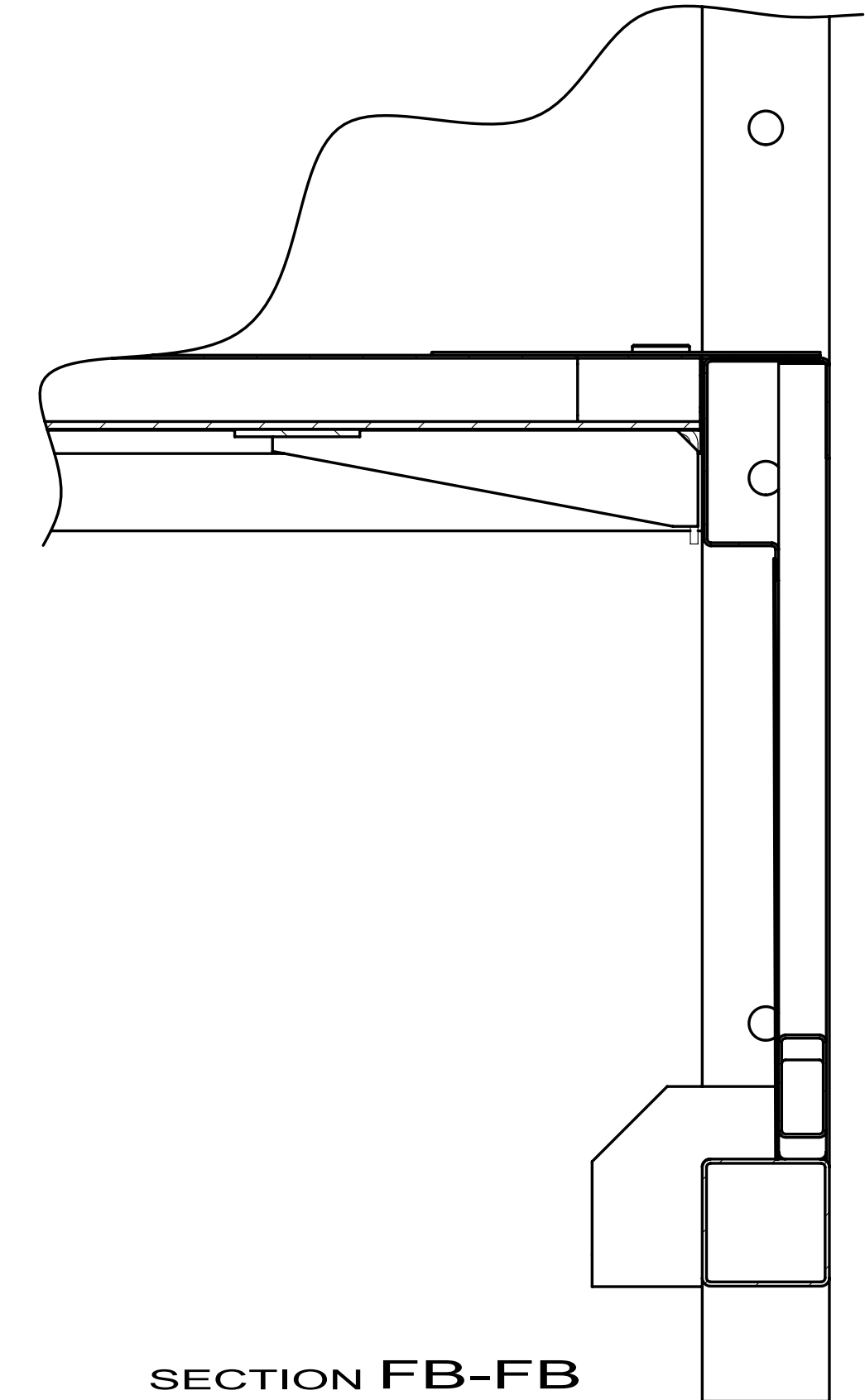
FIRST USED			10 E-SERIES,WH		
			DO NOT SCALE DRAWING		
TITLE:			FRONT END ASM		
SHEET 5	PART NO	170264	REV		



SECTION FA-FA

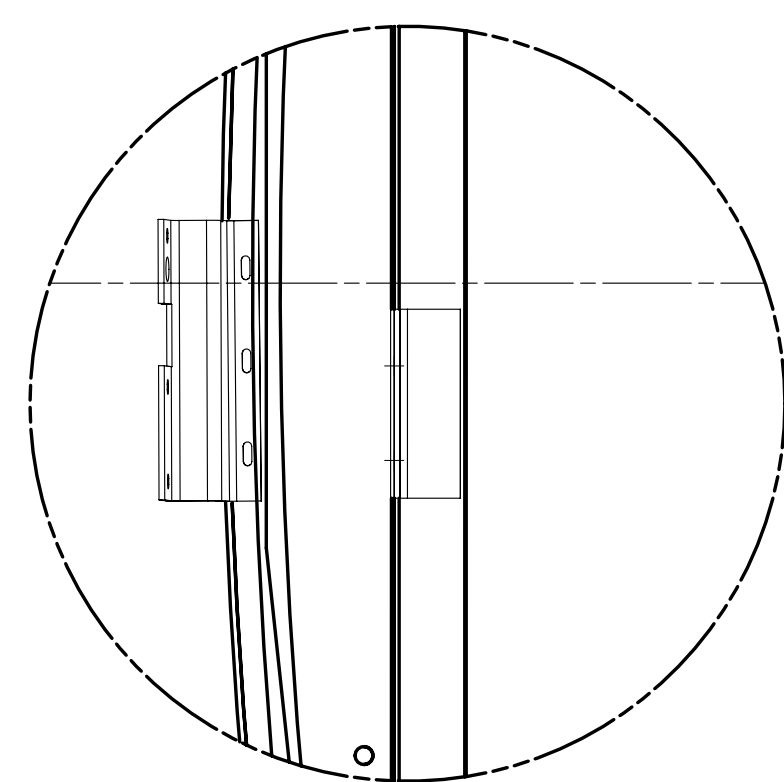


RISER ASM-CAB
145125-09-01B

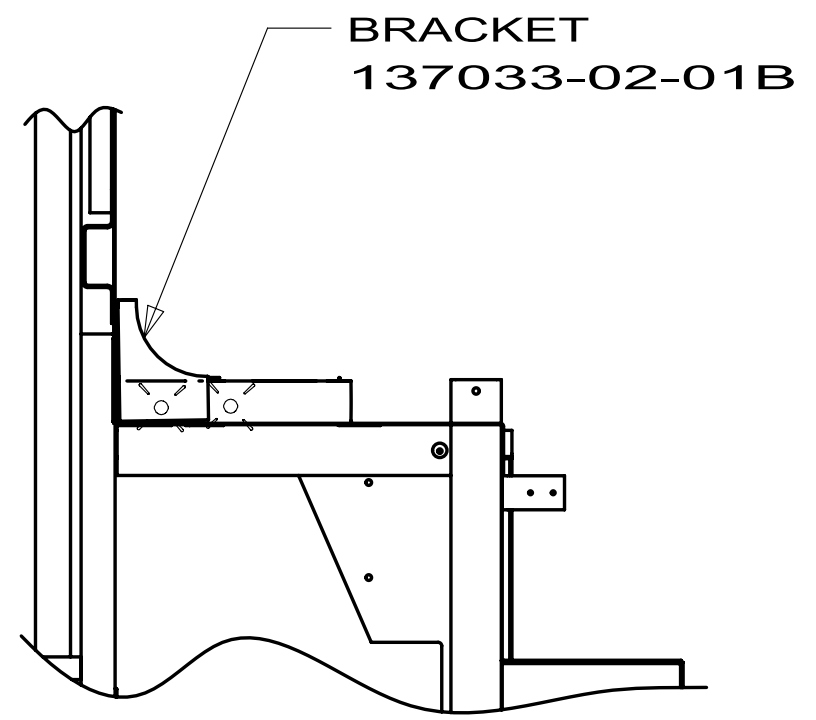


SECTION FB-FB

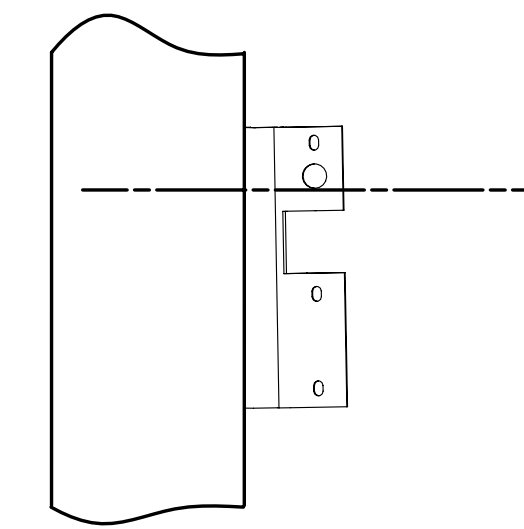
CL OF VEHICLE
SECTION FV-FV



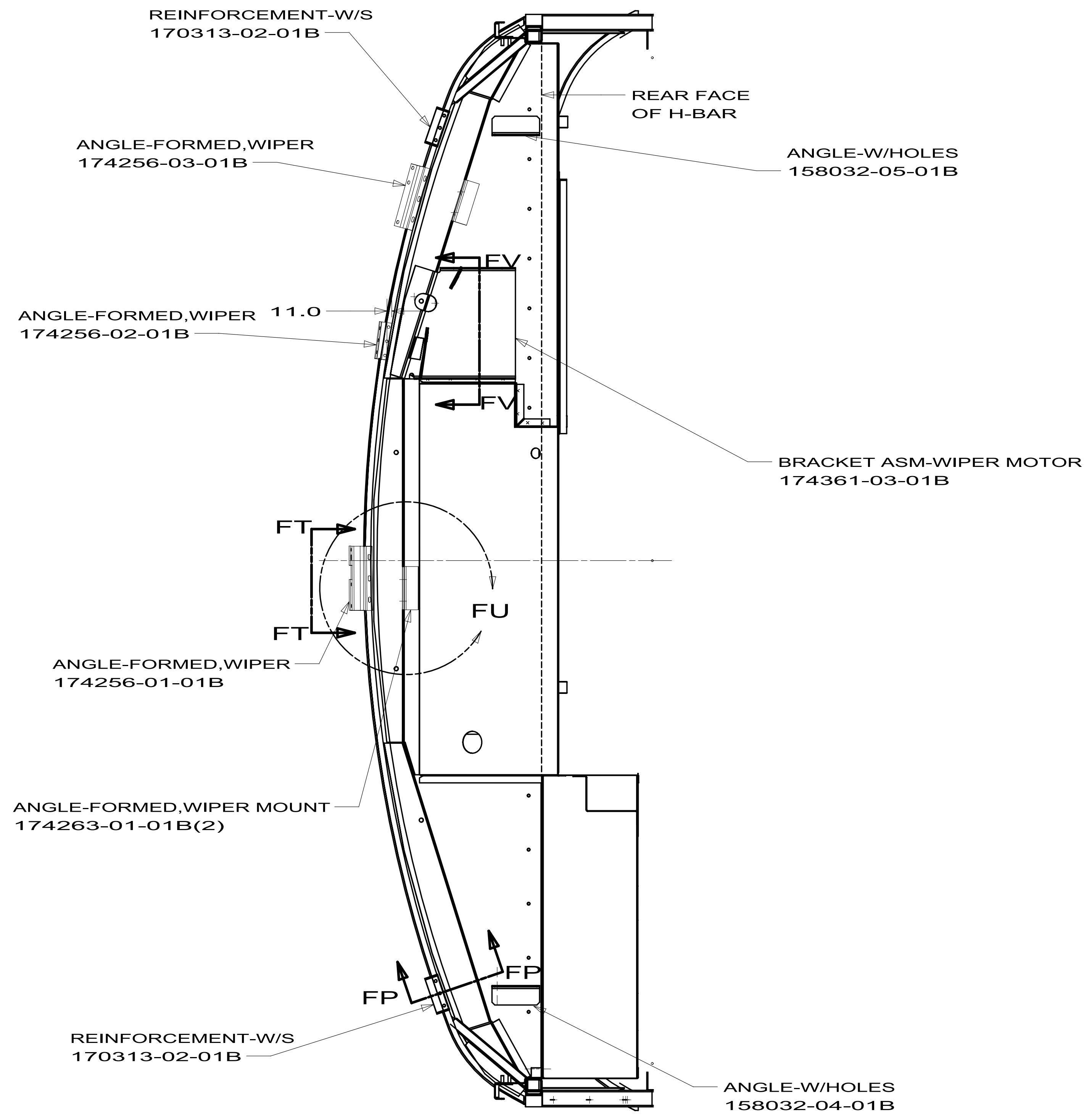
DETAIL FU



SECTION FC-FC



SECTION FT-FT

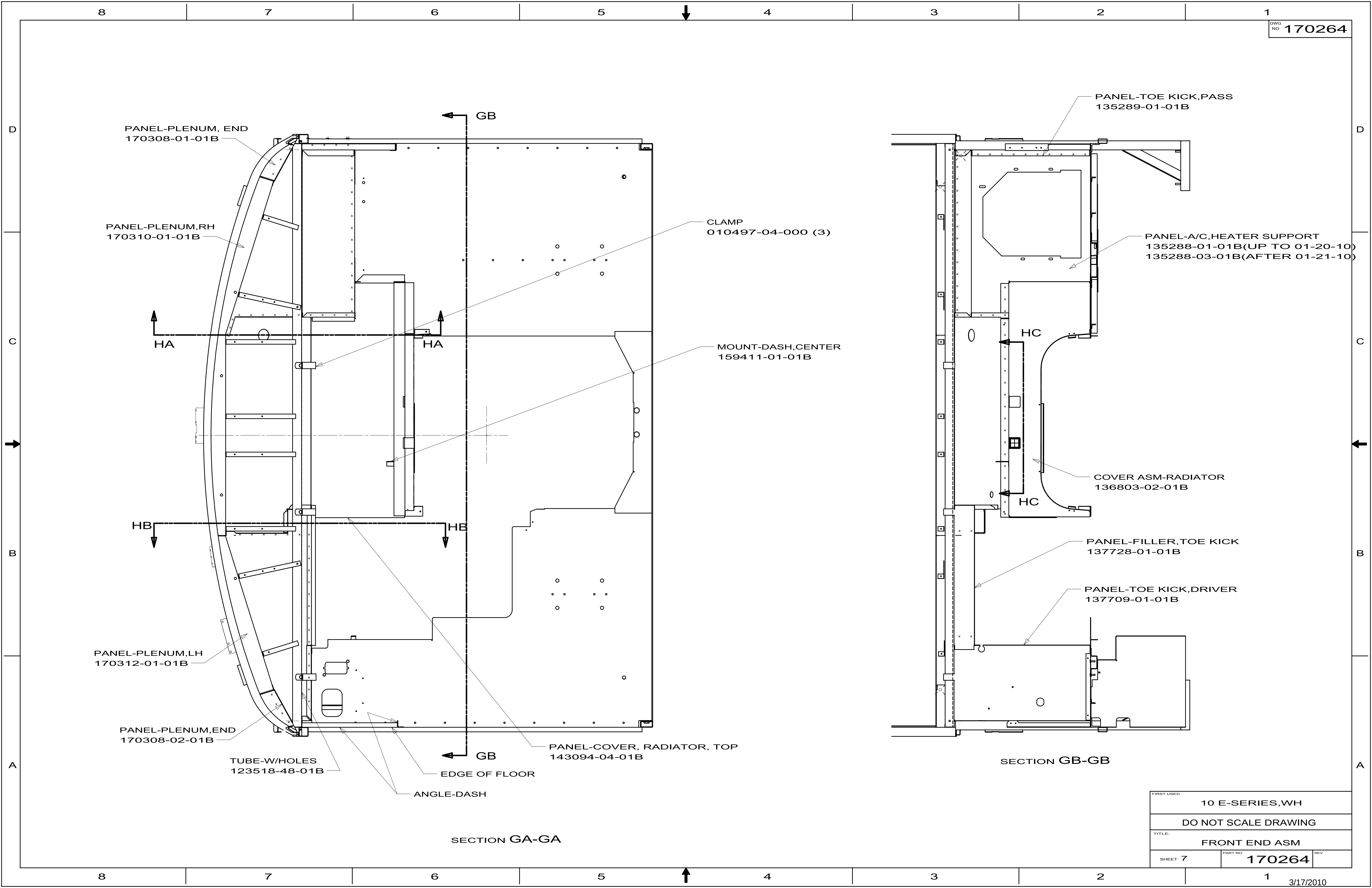


SECTION FG-FG

SECTION FP-FP



FIRST USED		
10 E-SERIES,WH		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END ASM		
SHEET 6	PART NO 170264	REV



FIRST USED		
10 E-SERIES,WH		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END ASM		
SHEET 7	PART NO	REV
	170264	

8

7

6

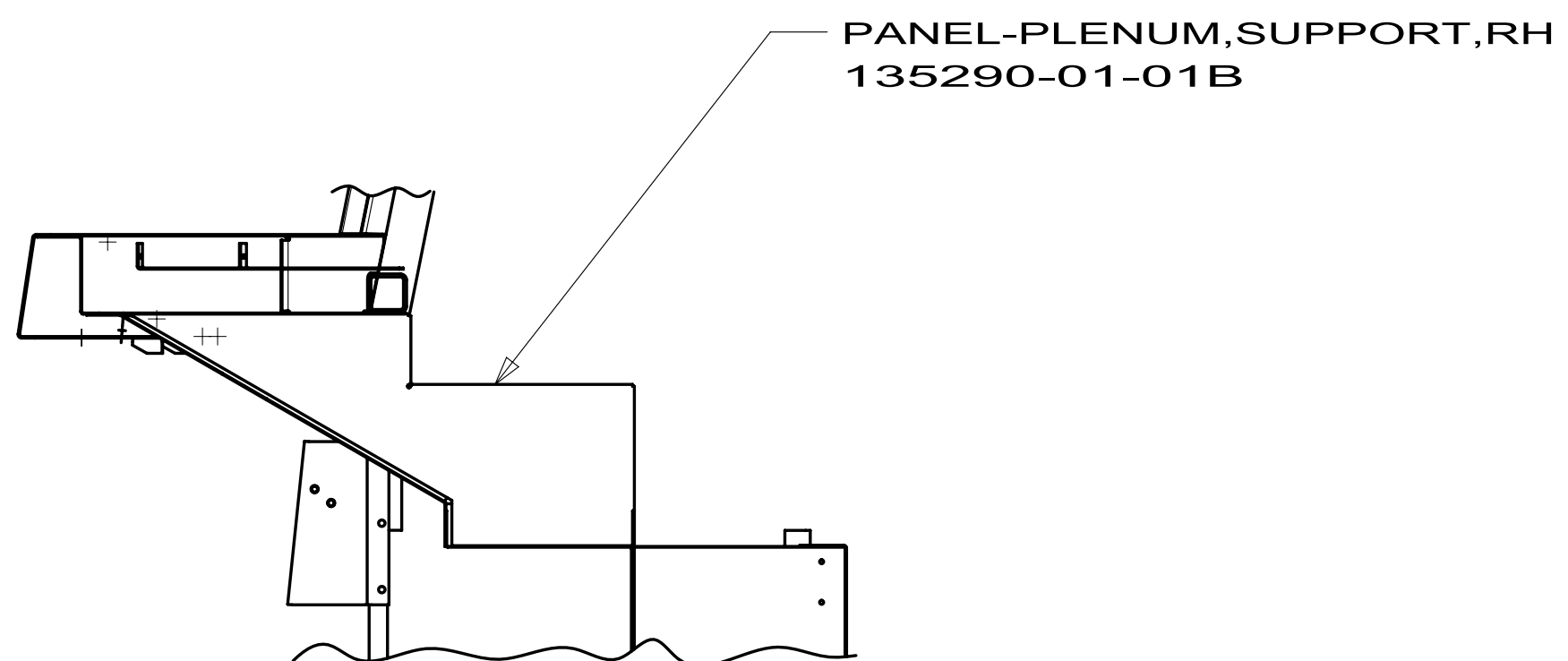
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4

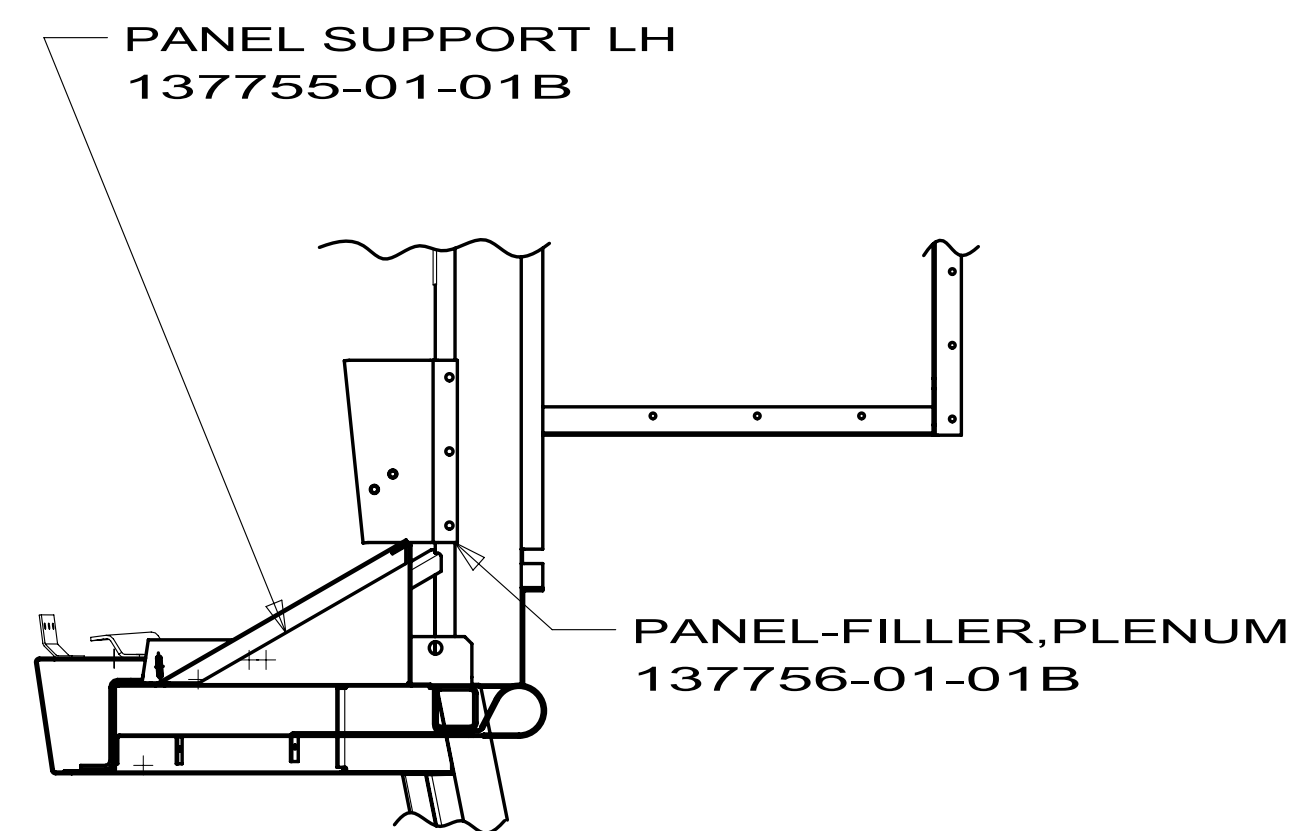
3

2

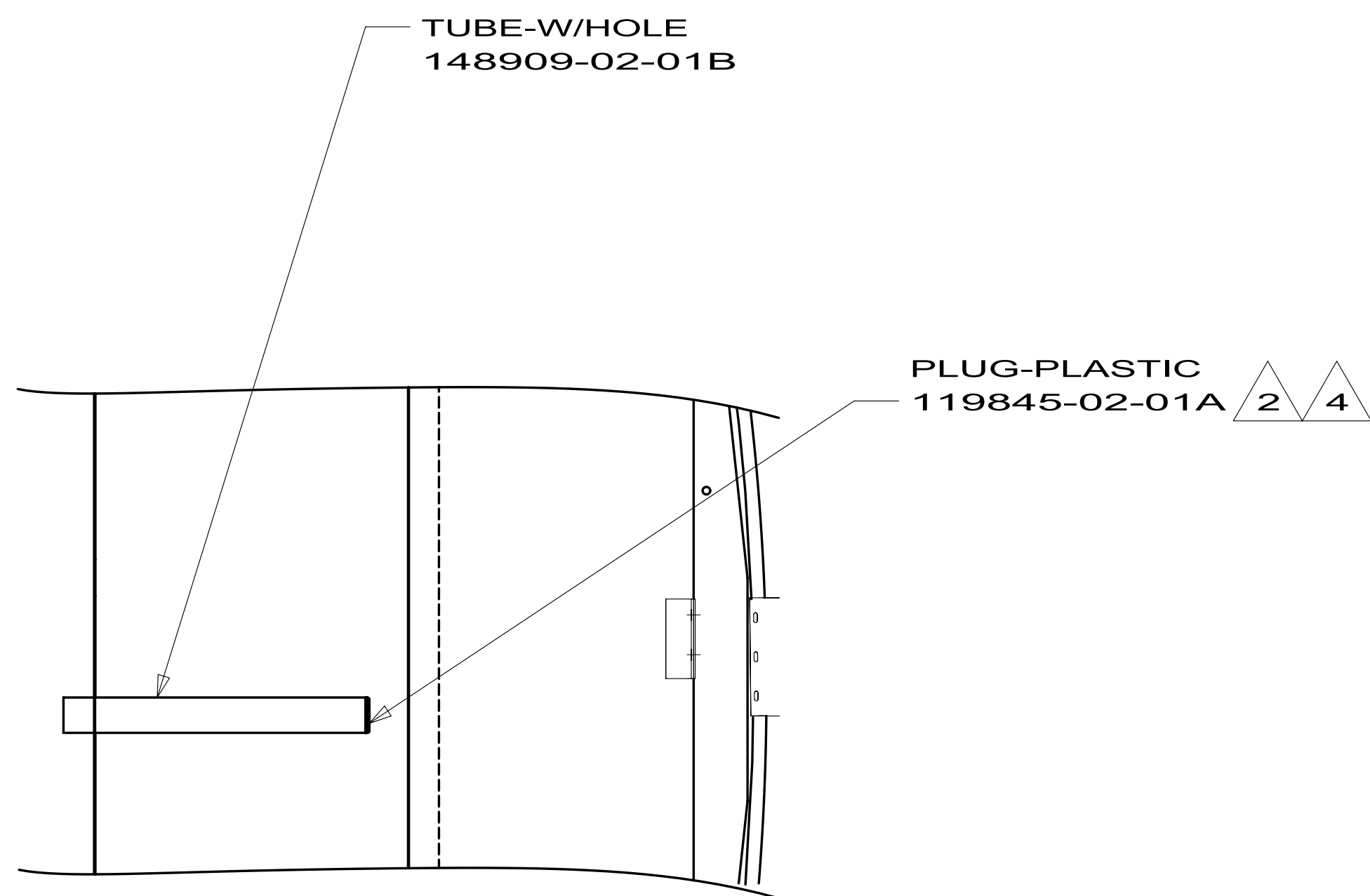
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DWG
NO **170264**

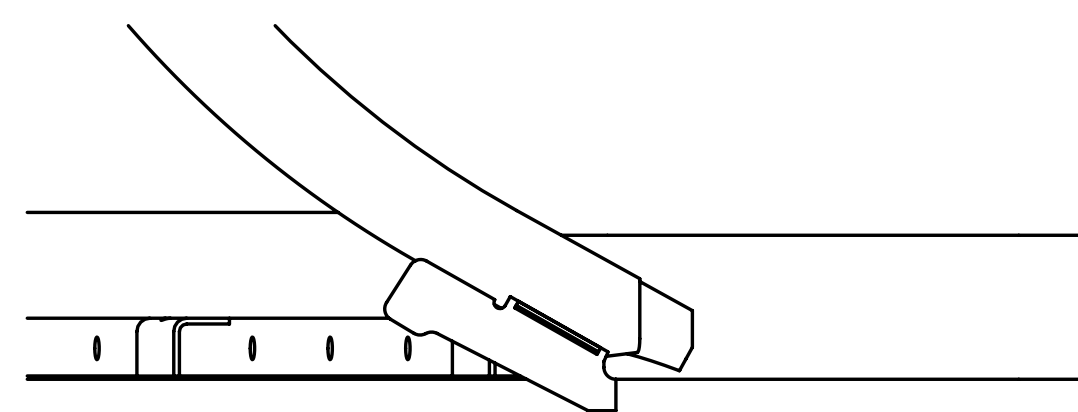
SECTION HA-HA



SECTION HB-HB



SECTION HC-HC



SECTION HD-HD

FIRST USED		
10 E-SERIES,WH		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END ASM		
SHEET 8	PART NO 170264	REV

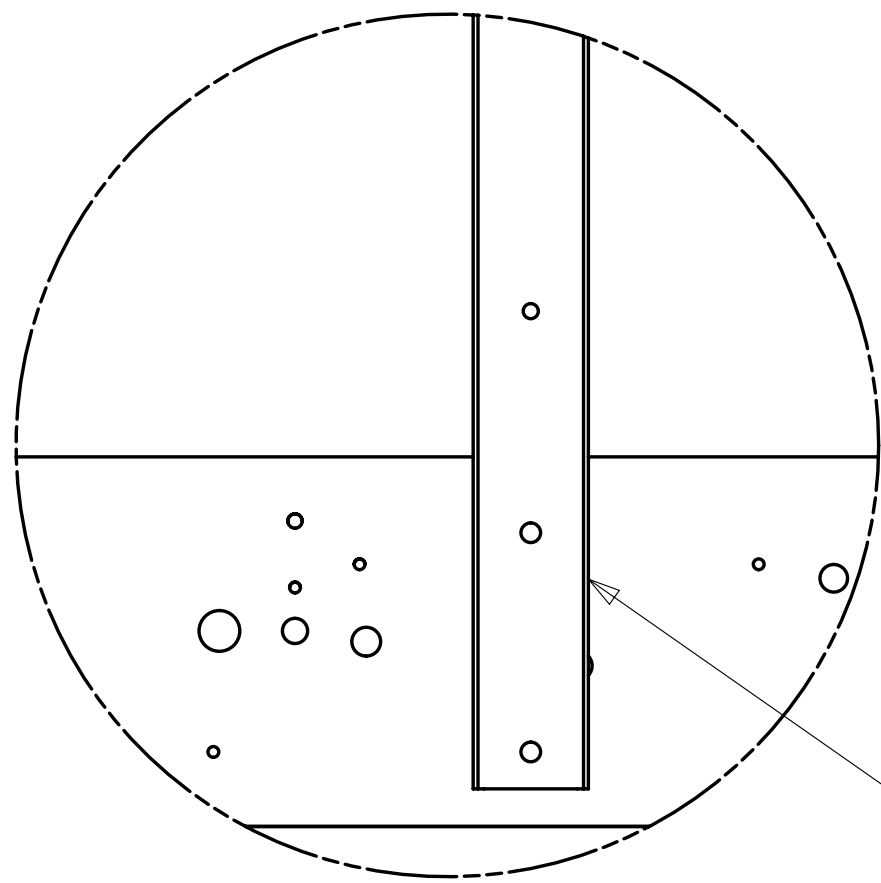
3/17/2010

8		7	
DWG NO	FRONT END ASM	SHEET	
170265-01	170264-01-CHT	1,2,3	
170265-02	172586-01-CHT	1,2,4,5	

1PR 1PL 1PJ

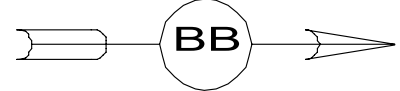
1PE

RELEASE		REV	DATE	1	
		A		DWG NO 170265	
REV	ZONE	REVISION RECORD		DATE	DFTR.Orig



DETAIL AA

3 19-75
3 19-75



BD

6

DETAIL AA

FRONT END ASM
(SEE TAB)



1PR 1PL 1PJ W/H GAS
1PE W/H DIESEL

10. TORQUE TO 191-209 Nm (143-157 FT LB).
9. ADD OR REMOVE SHIMS AS NEEDED TO LEVEL FRONT END ASM.
8. UNBOLT AND WELD AS NEEDED AFTER PLATFORM ADJUSTMENT.
7. APPLY PUTTY SEALER, 111940-02-000 TO ANY SEAMS OR HOLES THAT NEED A FLEXIBLE DUST AND AIR SEAL.
6. FOR BRAKE INSTL-EMERGENCY; SEE DWG #108080-01-000.
5. REMOVE RESERVOIR BRACKET (4 SCREWS) AND FASTEN TO WINNEBAGO BRACKET.
4. ADJUST HEIGHT OF SUPPORT TO LOCATE CAB PROPERLY.
3. WELD PANEL IN PLACE AND SEAL BEFORE CAB IS INSTALLED.

2. SEAL ALL JOINTS BETWEEN PANELS AND CAB.

1. REMOVE ALL BURRS AND SHARP EDGES.

NOTES:

WORKHORSE
TOOLING HOLE

WINNEBAGO INDUSTRIES		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
DFTR	ORIG. DATE		
CHGR	ALL DIMENSIONS ARE IN MILLIMETERS		
P.E.	FIRST USED		
M.E.	10 E-SERIES,WH		
DSNR			
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X)	± 3		
ONE-PLACE (X.X)	± 1.5		
TWO-PLACE (X.XX)	± 0.50		
ANGLE	± 1°		
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE: FRONT END/CHASSIS ASM			
SHEET 1 OF 5	PART NO 170265	REV	
REF:		1	

SEE CHART
FOR COLOR VARIATIONS
OF THIS PART

SHIELD ASM
121962-02-CHT
NUT
D39-04-00B (2)
STRAP
139119-01-CHT

ANGLE-FILLER
139131-01-CHT

ANGLE-FILLER
137037-01-CHT

GROMMET
071015-18-000

ANGLE-FILLER
137037-02-CHT

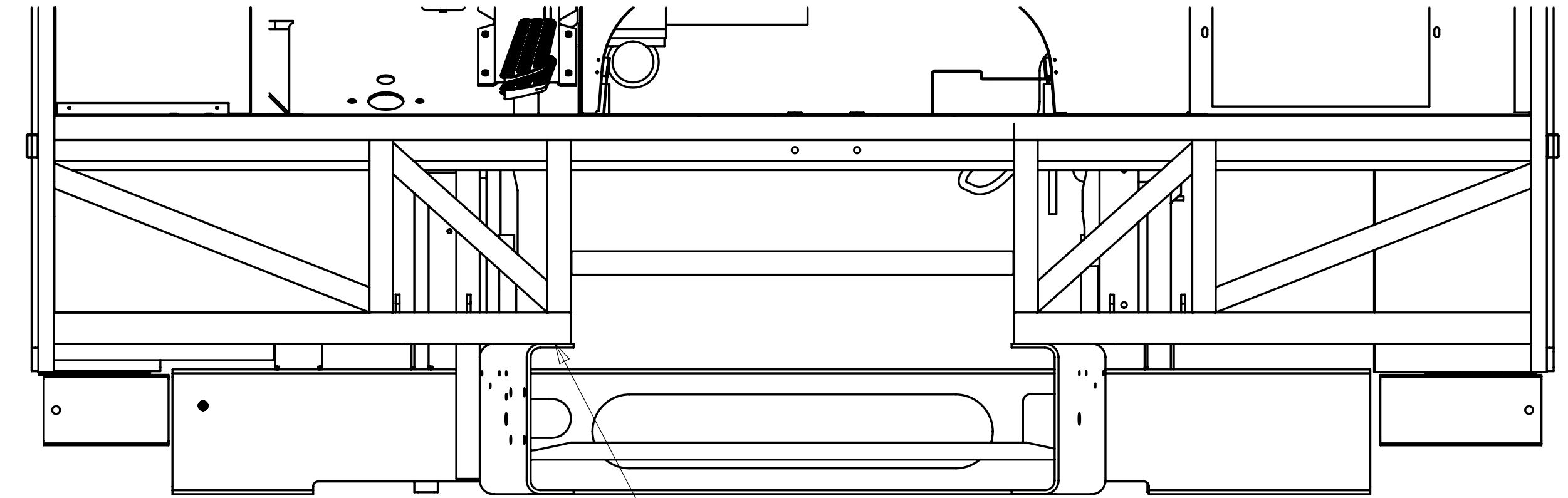
SUPPORT ASM-FRONT
134807-20-CHT

BE

SUPPORT ASM-FRONT
134807-19-CHT

BRKT-RESERVOIR
(CHASSIS SUPPLIED)

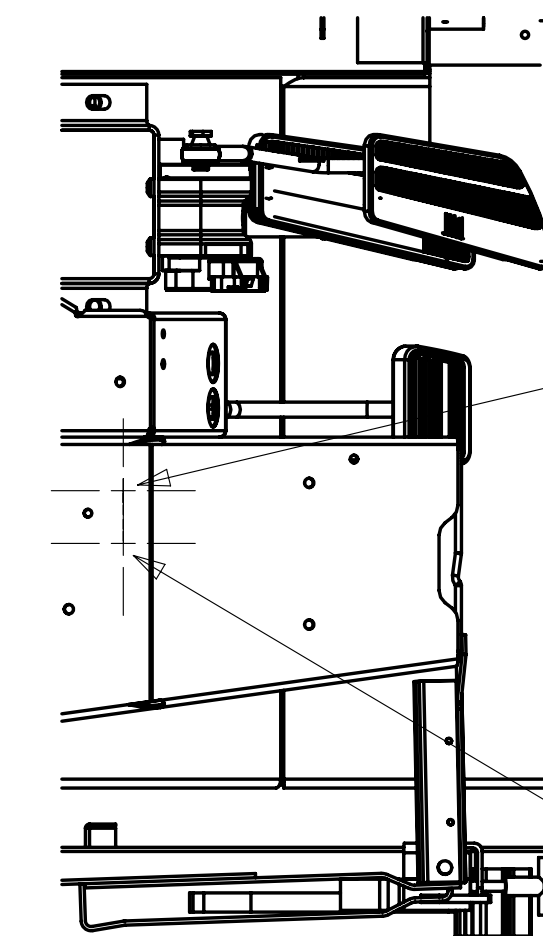
VIEW BA



3
3
WELD TO
FRAME RAILS

VIEW BC

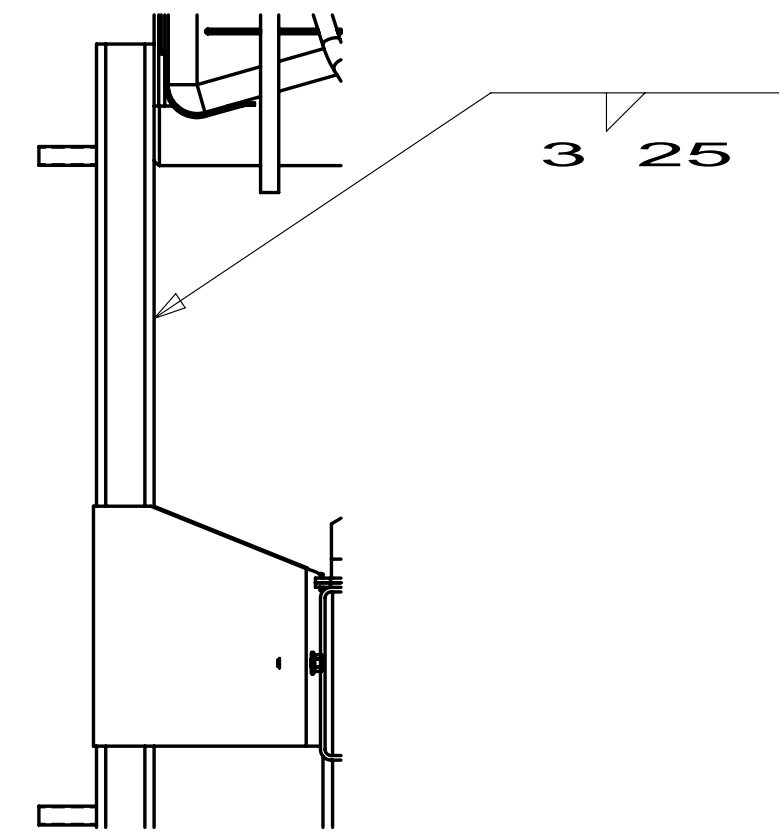
1PE



1.5
1.5
2 PLCS

BOLT
C26-06-16B(2)

VIEW BD



3 25

VIEW BE

STL-STRAP
130952-00-215(2)

BF

BF

BOLT
C26-04-14U(2)

CHANNEL

4

1.5

1.5

BOTH SIDES

5

VIEW BB

BOLT
C12-10-32U (4)
WASHER
E11-10-00U (4)
WASHER
E13-26-00U (4)
NUT
D29-10-00B (4)

10

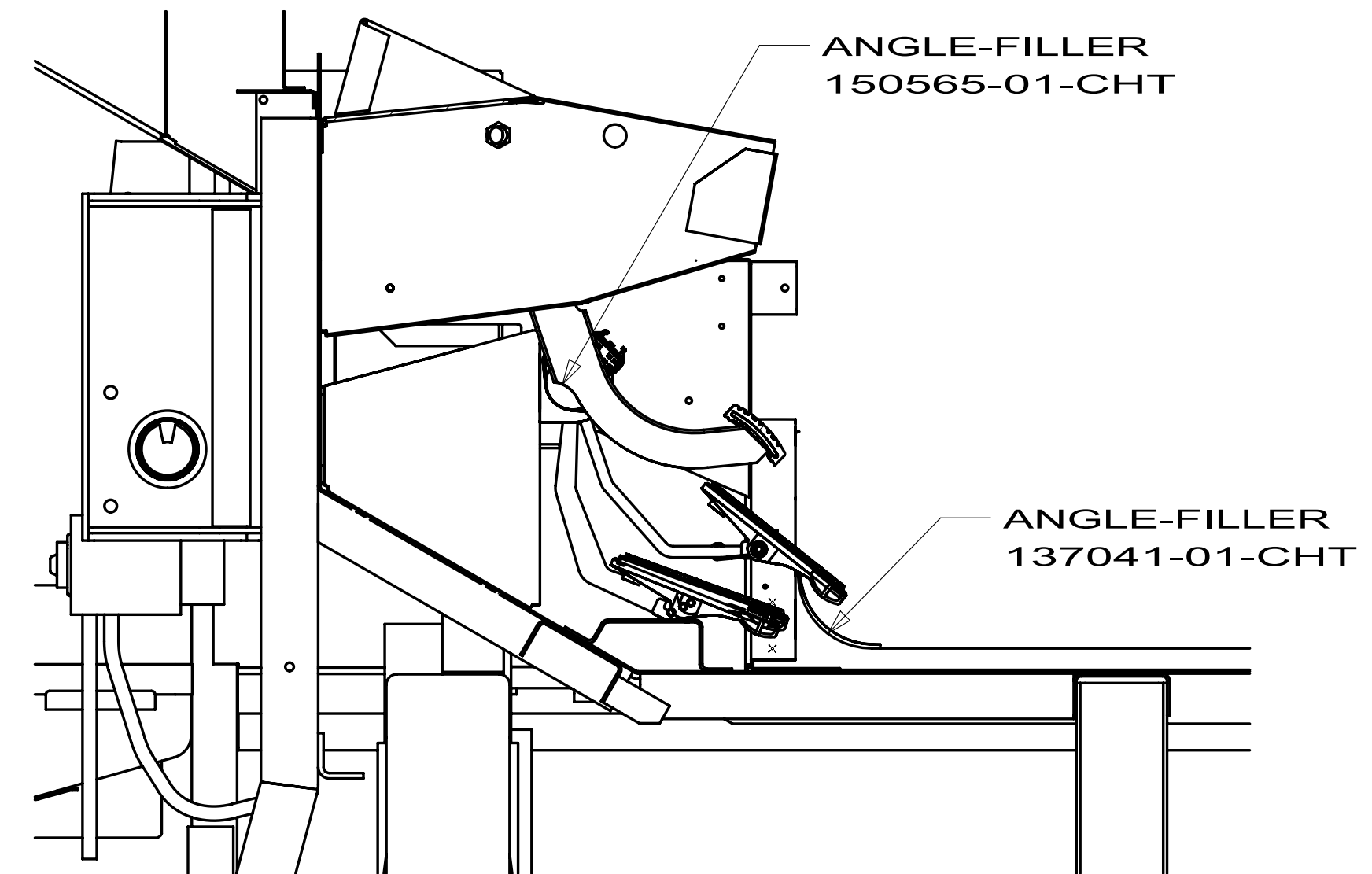
SHIM-SUPPORT,FRONT
165262-01-CHT (4)

9

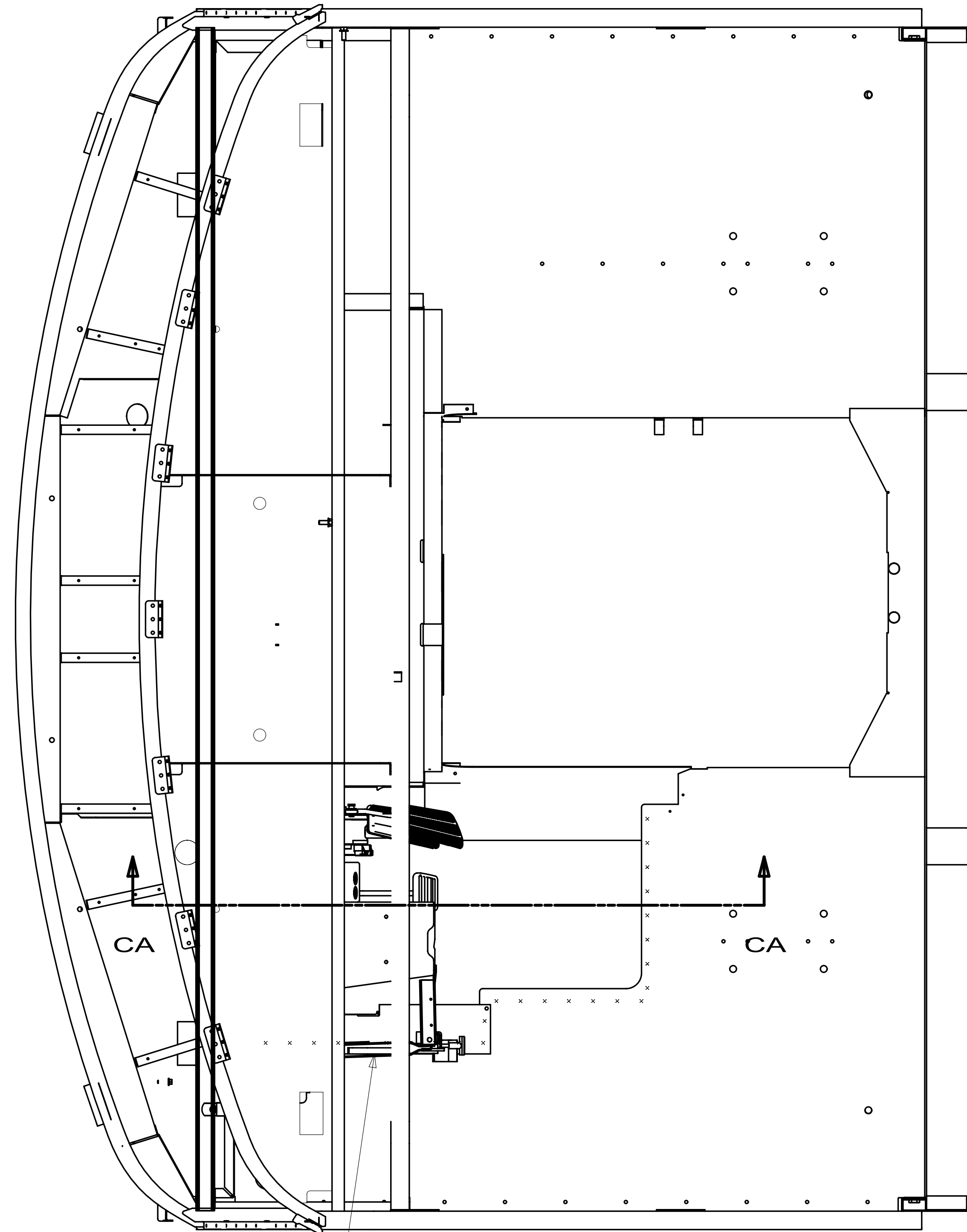
CHANNEL-SUPPORT,FRONTEND
165261-01-CHT (RH)
165261-02-CHT (LH)

SECTION BF-BF

FIRST USED		
10 E-SERIES,WH		
DO NOT SCALE DRAWING		
TITLE: FRONT END/CHASSIS ASM		
SHEET 2	PART NO 170265	REV

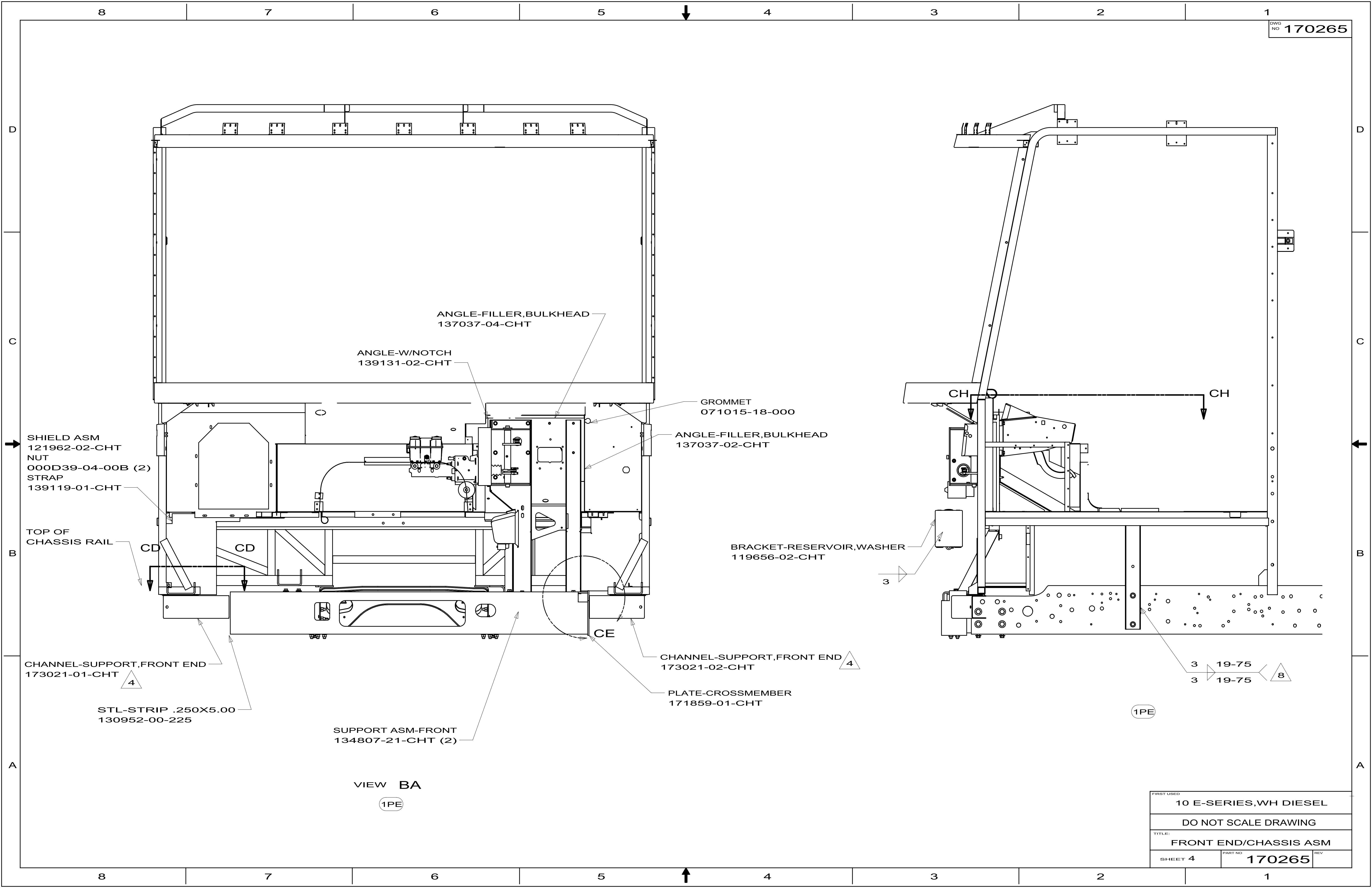


SECTION CA-CA



3 PANEL-FILLER
137045-01-CHT

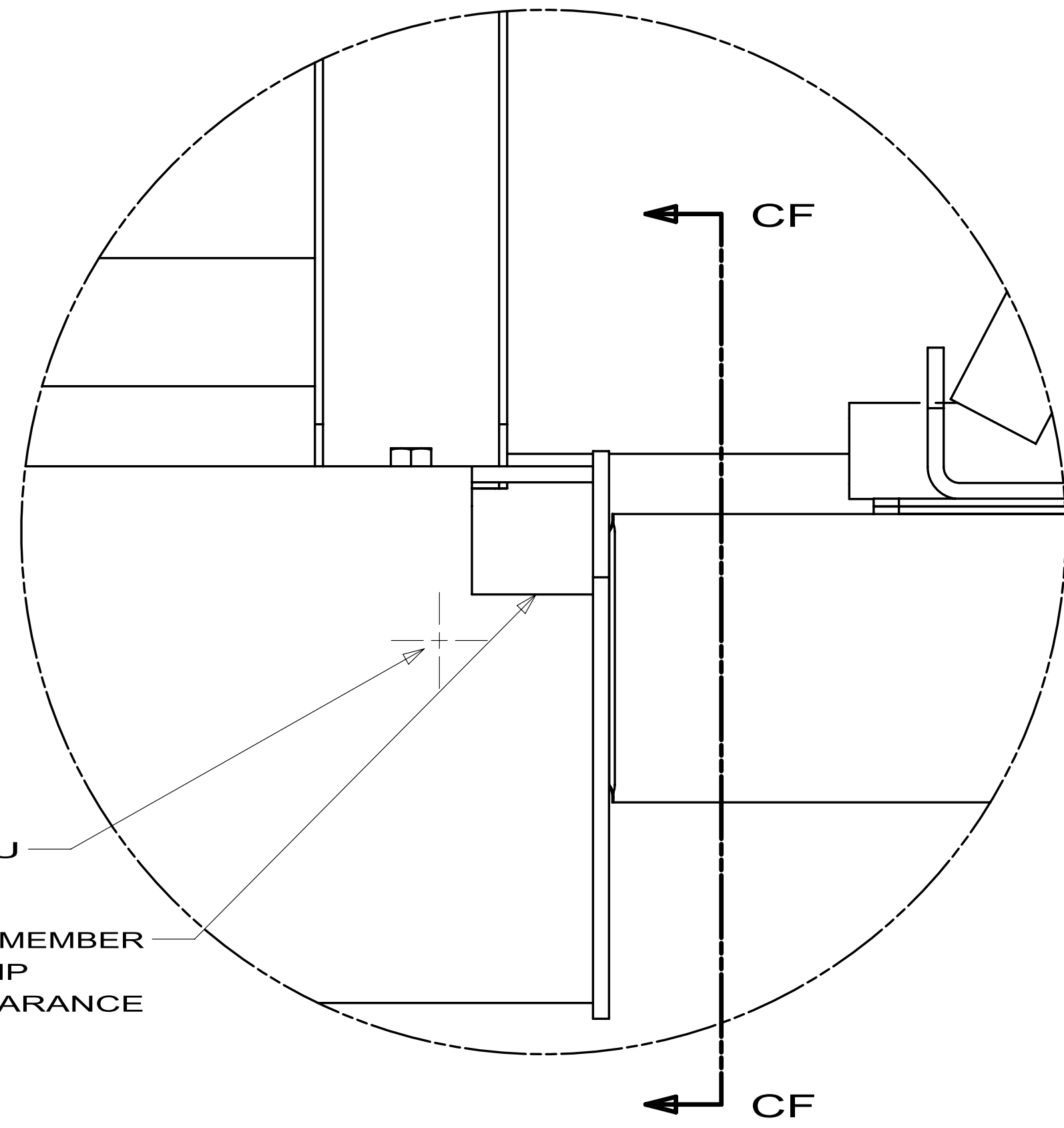
FIRST USED		10 E-SERIES,WH	
DO NOT SCALE DRAWING			
TITLE: FRONT END/CHASSIS ASM			
SHEET 3	PART NO	170265	REV



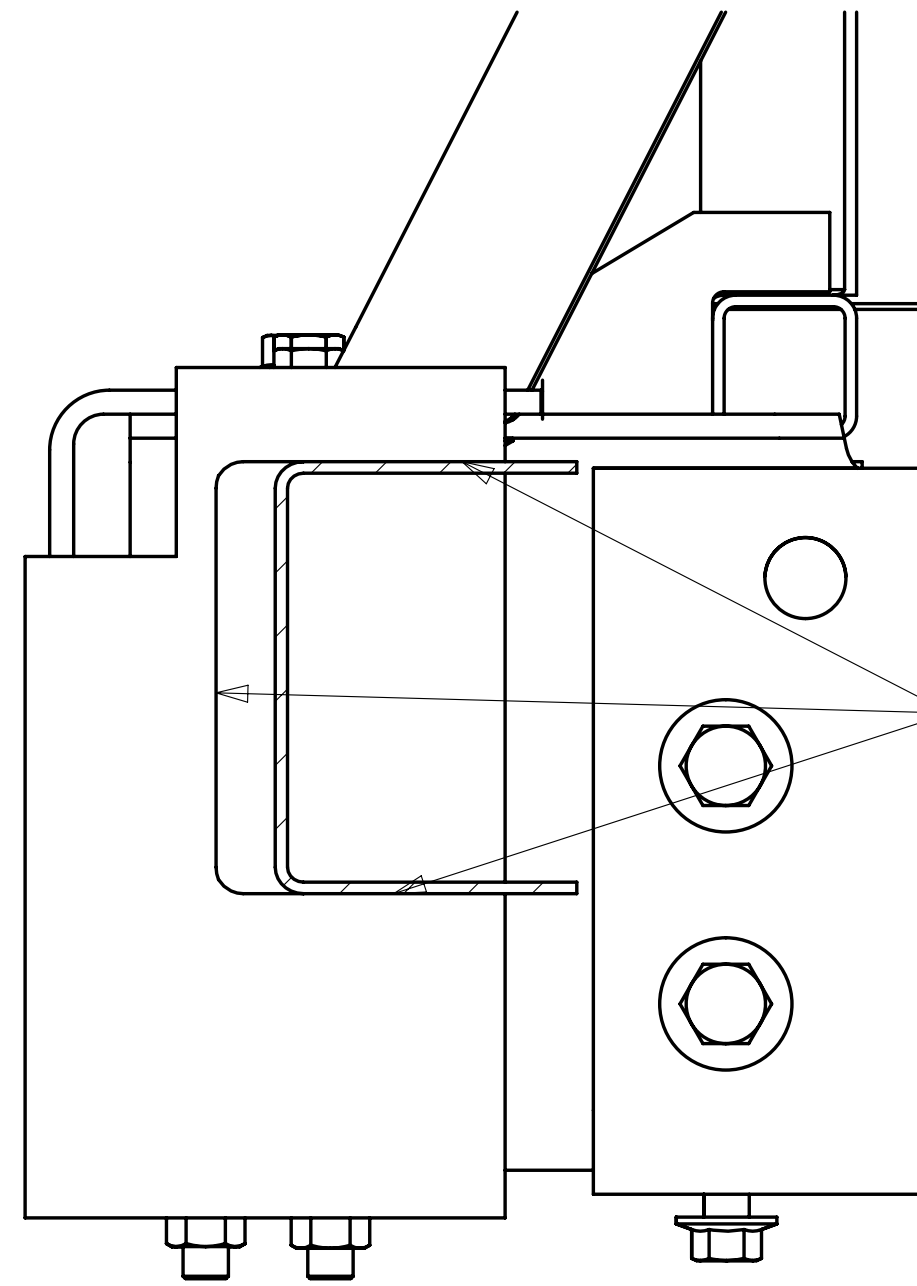
VIEW BA

1PE

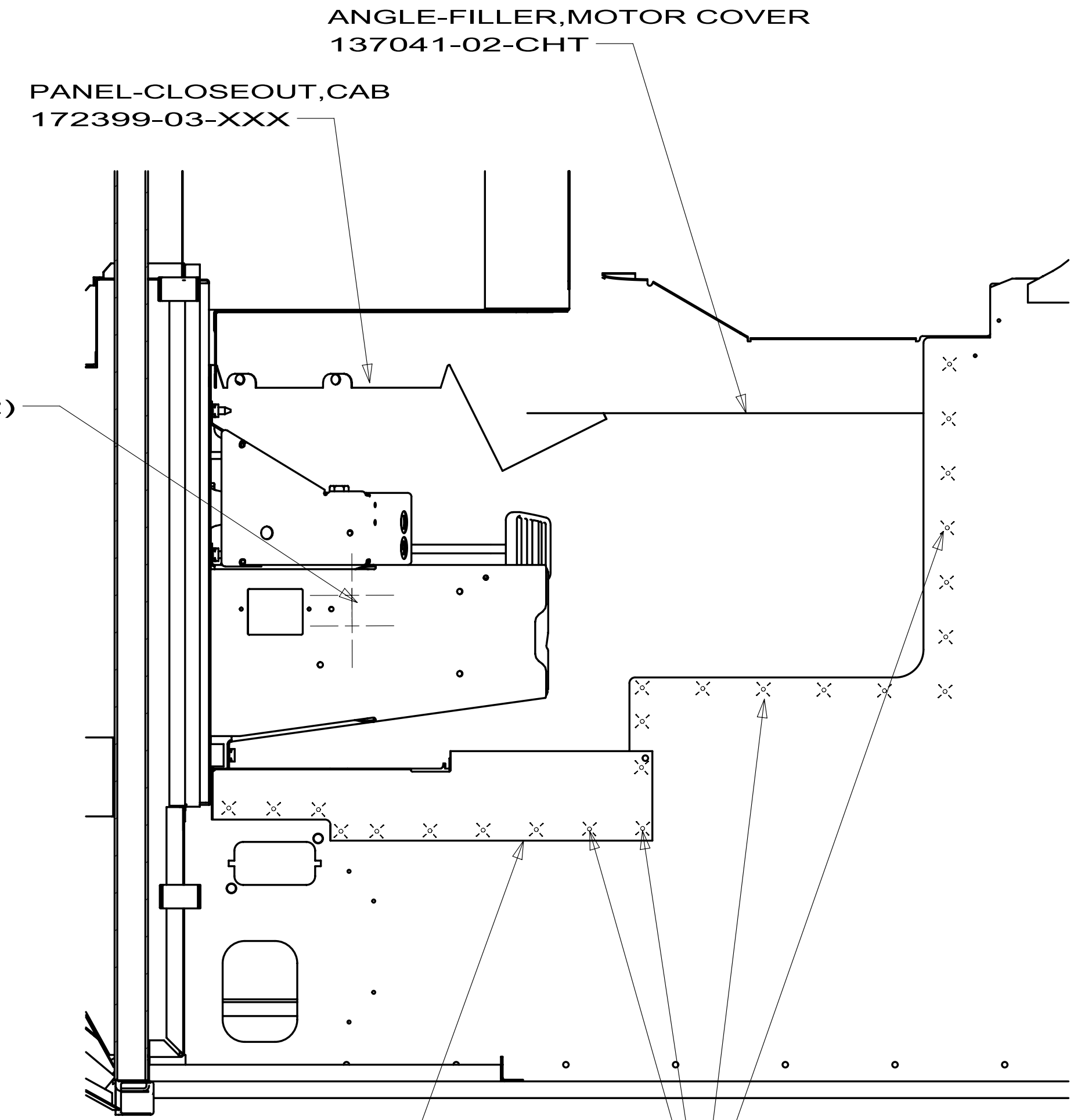
FIRST USED		
10 E-SERIES,WH DIESEL		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END/CHASSIS ASM		
SHEET 4	PART NO	REV
	170265	



DETAIL CE



SECTION CF-CF



SECTION CH-CH

BOLT
C12-10-32U (4)
WASHER
E11-10-00U (4)
WASHER
E13-26-00U (4)
NUT
D29-10-00B (4)

PANEL-FILLER,BULKHEAD
137045-01-CHT

PANEL-CLOSEOUT,CAB
172399-03-XXX

ANGLE-FILLER,MOTOR COVER
137041-02-CHT

BOLT
C26-06-16U(2)

6 2 PLCS

10 50 GMAW

SHIM-SUPPORT,FRONT
165262-01-CHT (4)

FIRST USED		
10 E-SERIES,WH DIESEL		
DO NOT SCALE DRAWING		
TITLE: FRONT END/CHASSIS ASM		
SHEET 5	PART NO 170265	REV

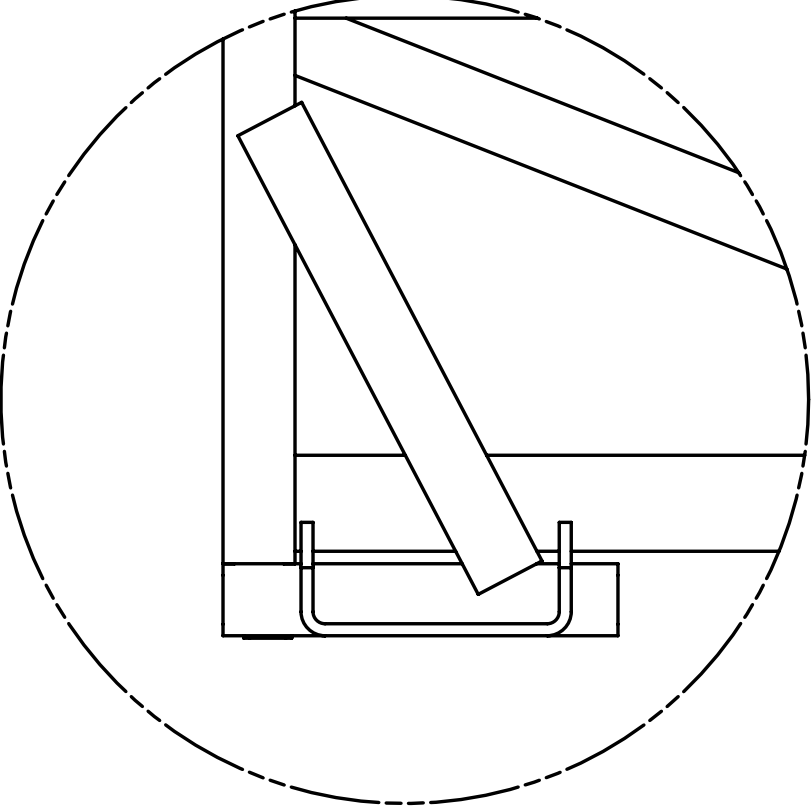
SECTION CG-CG

BOLT
C26-04-14U

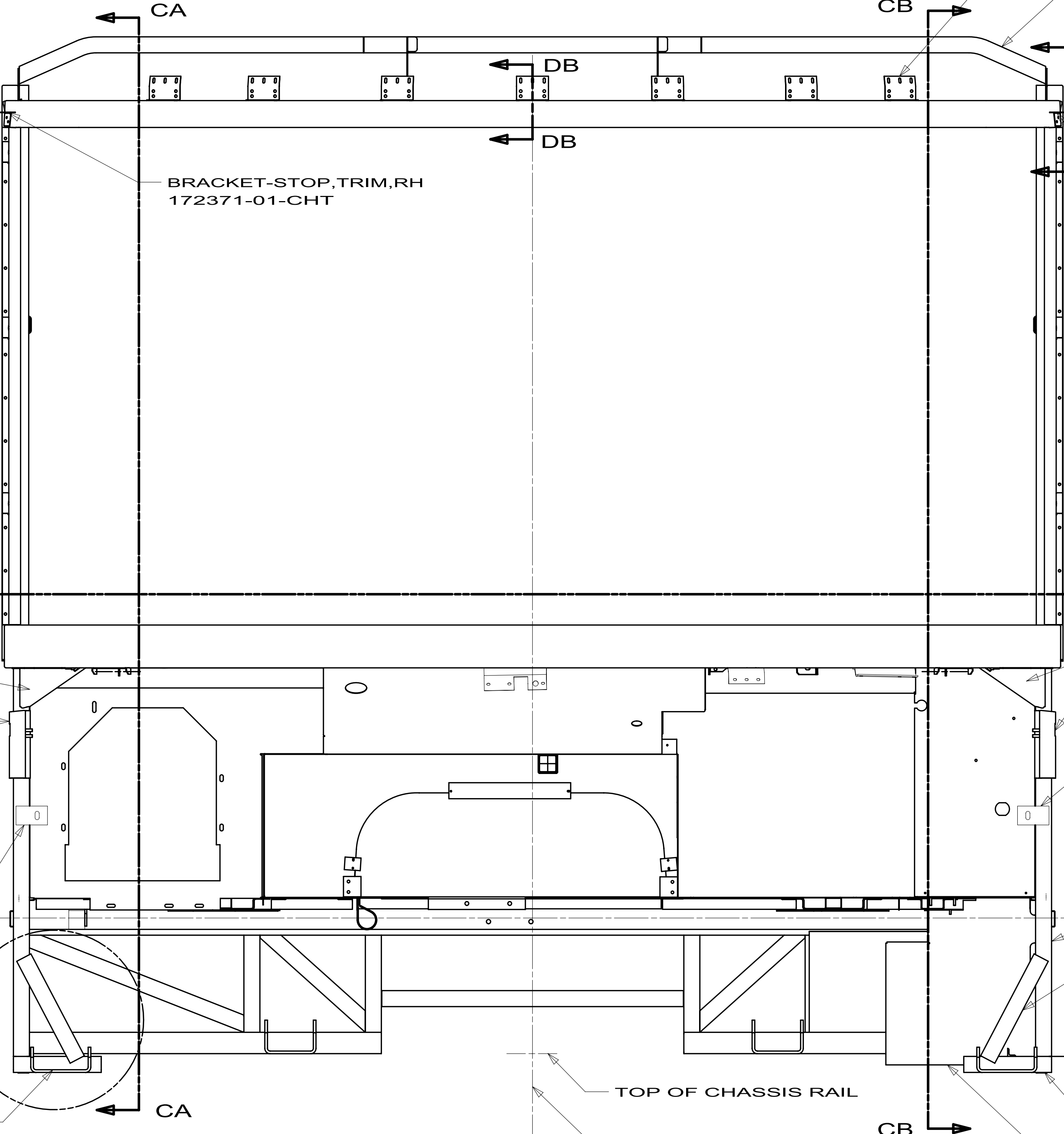
SECTION CD-CD

CG

CG



DETAIL AA

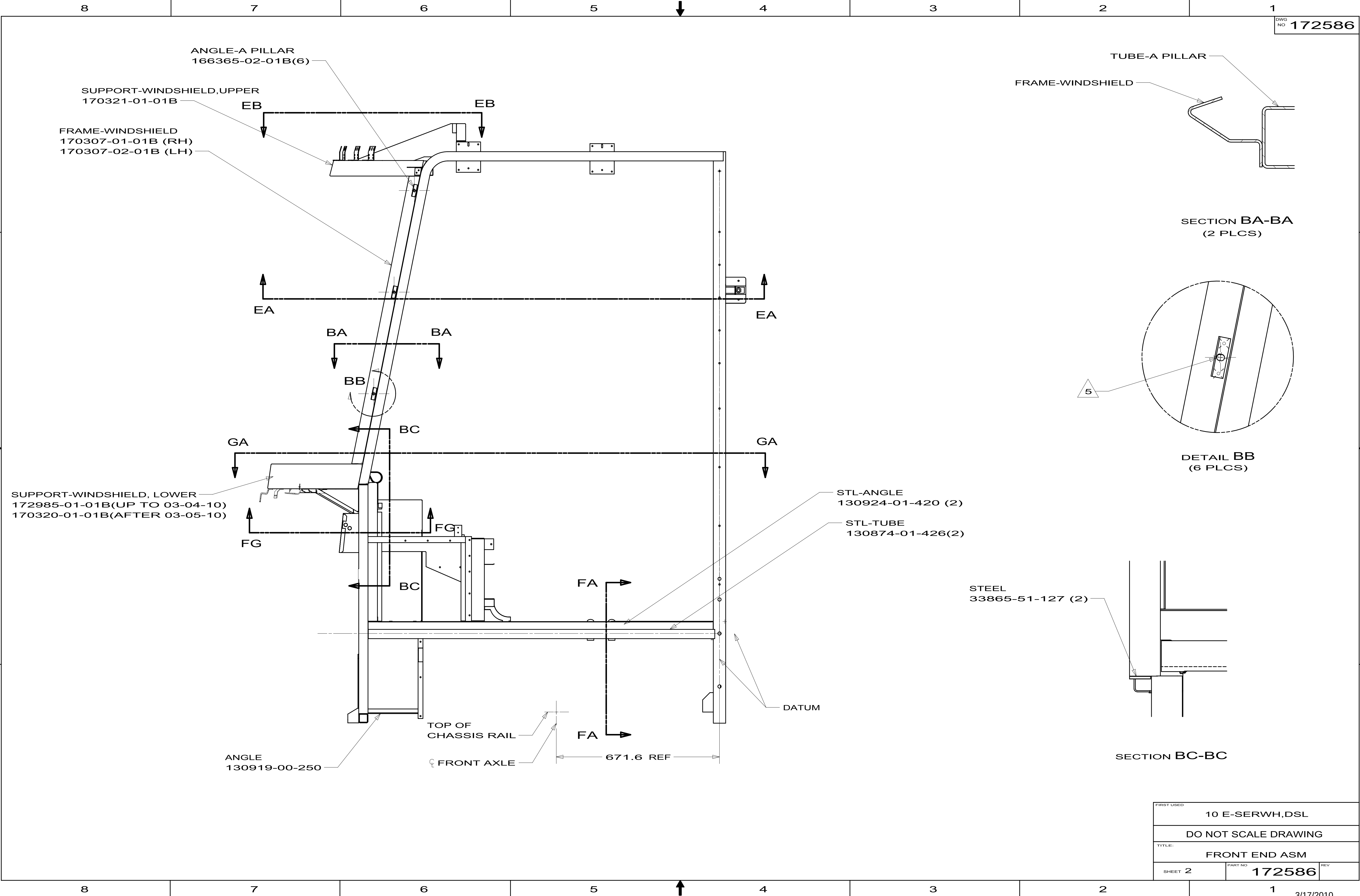


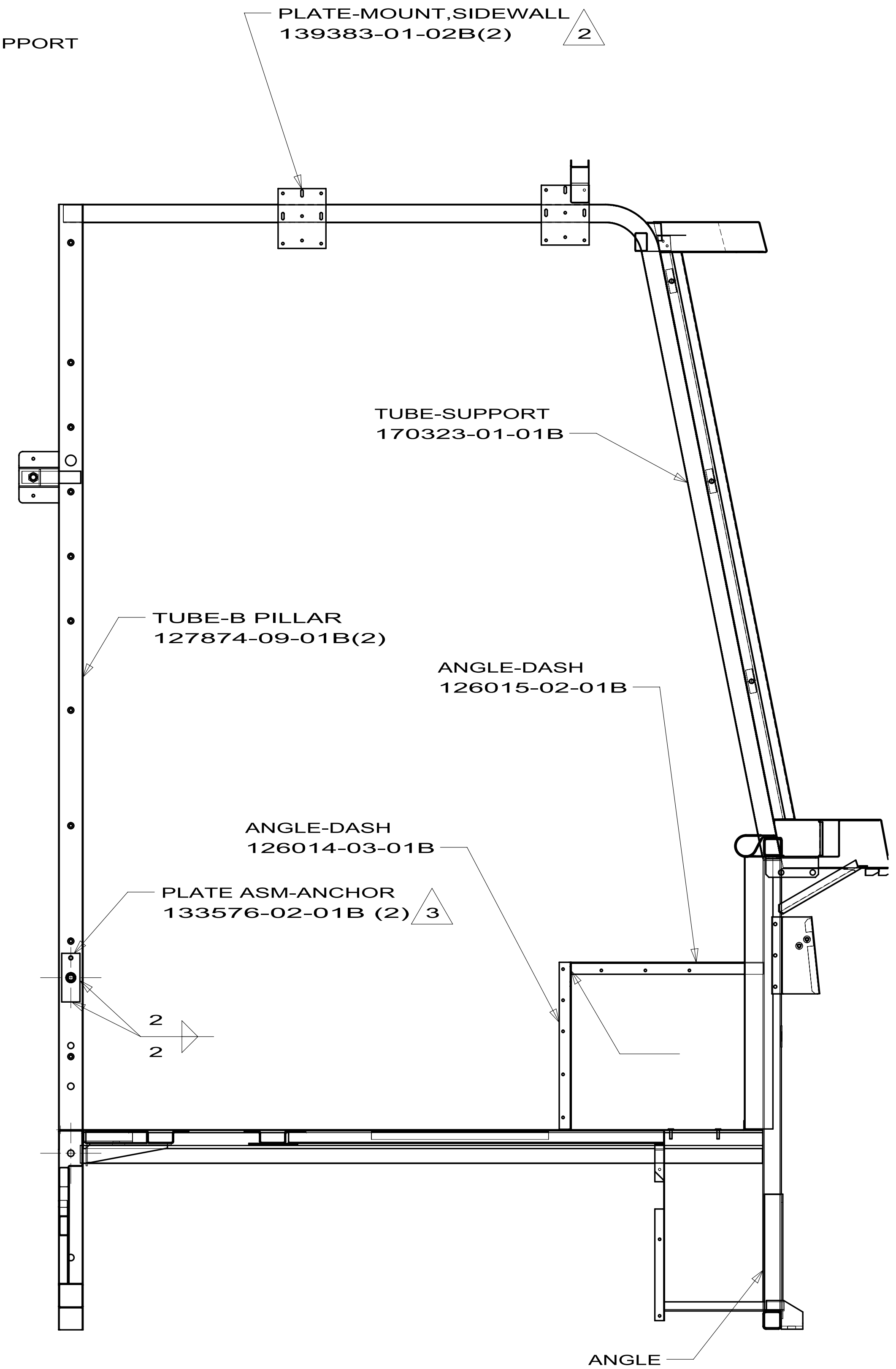
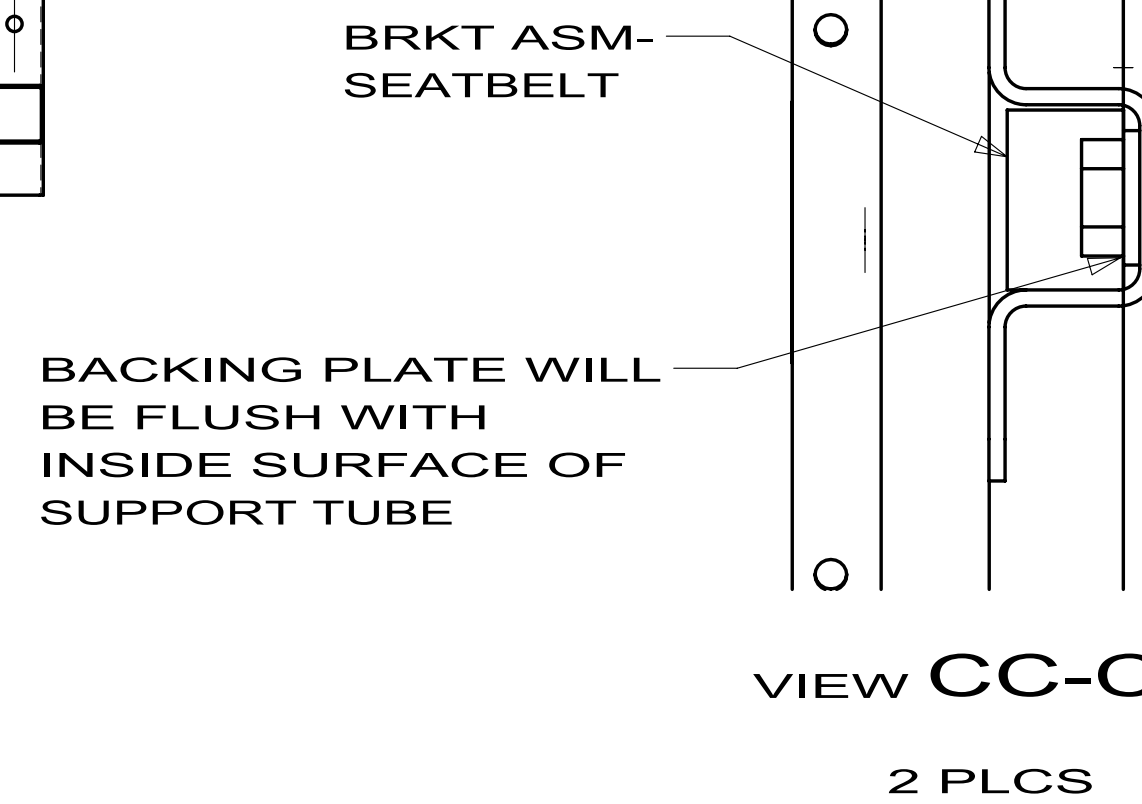
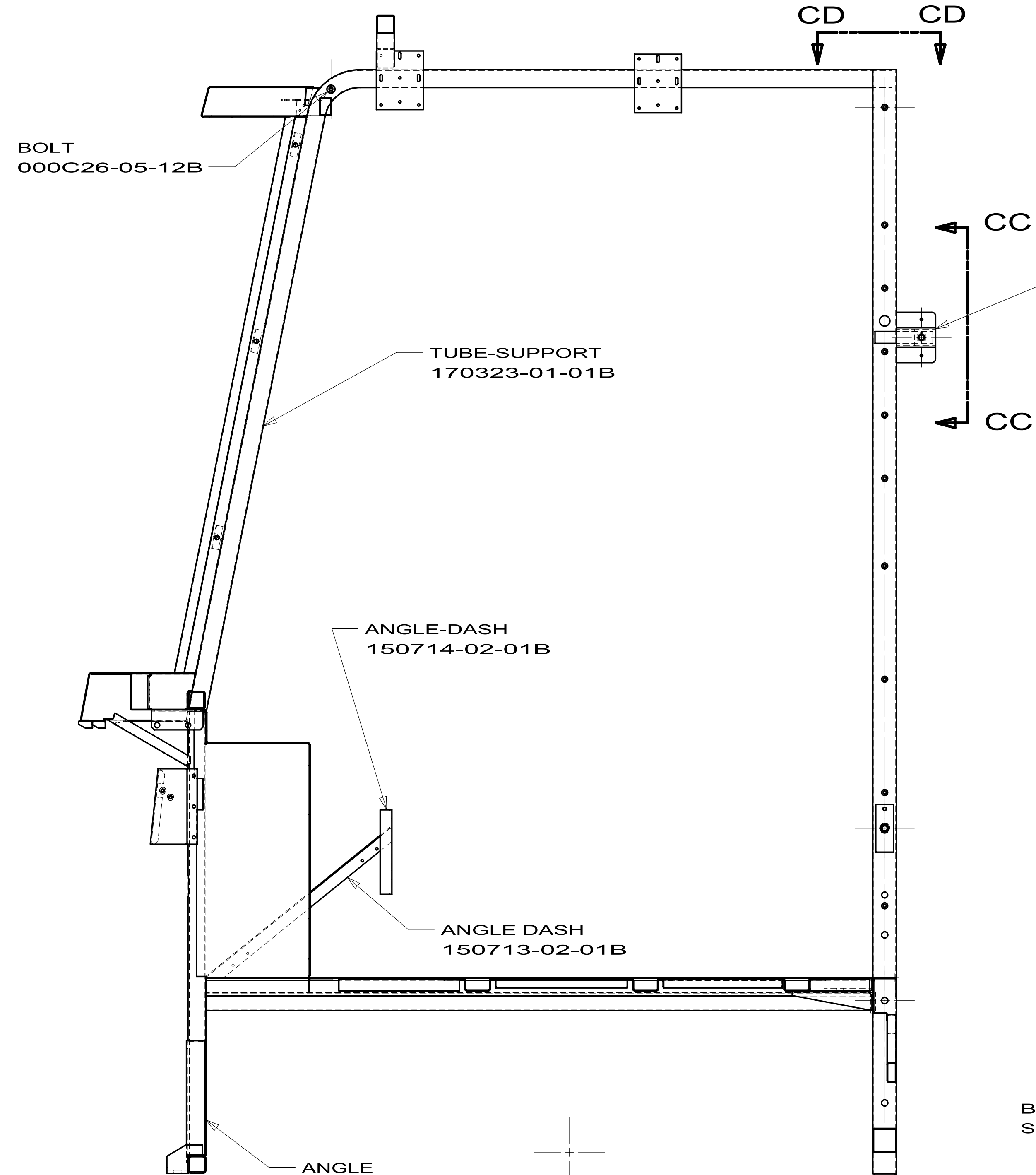
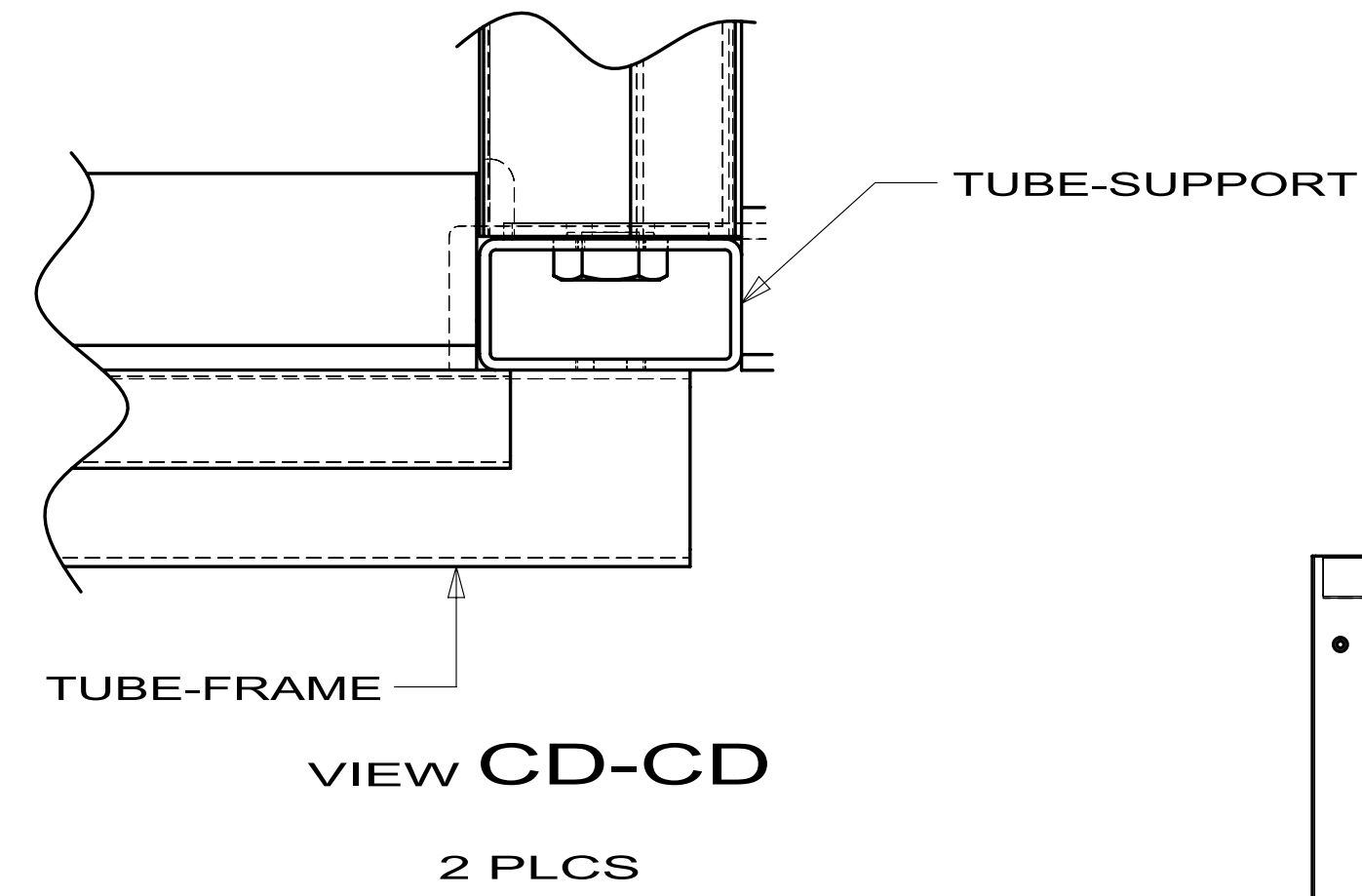
- 5. ALIGN SLOTS IN ANGLE WITH SLOTS IN W/S FRAME.
- 4. SEAL WITH SEALANT 110744-03-000 AFTER E-COAT.
- 3. DIA HOLE MUST LINE UP WITH HOLE IN B-PILLAR.
- 2. ATTACH AFTER E-COAT.

- 1. CLEAN, E-COAT AND SEAL CAB WITH 143201-01-000.

NOTES:

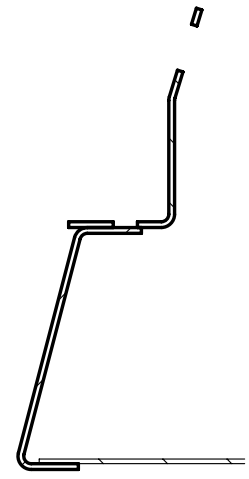
SEE CHART
FOR COLOR VARIATIONS
OF THIS PART



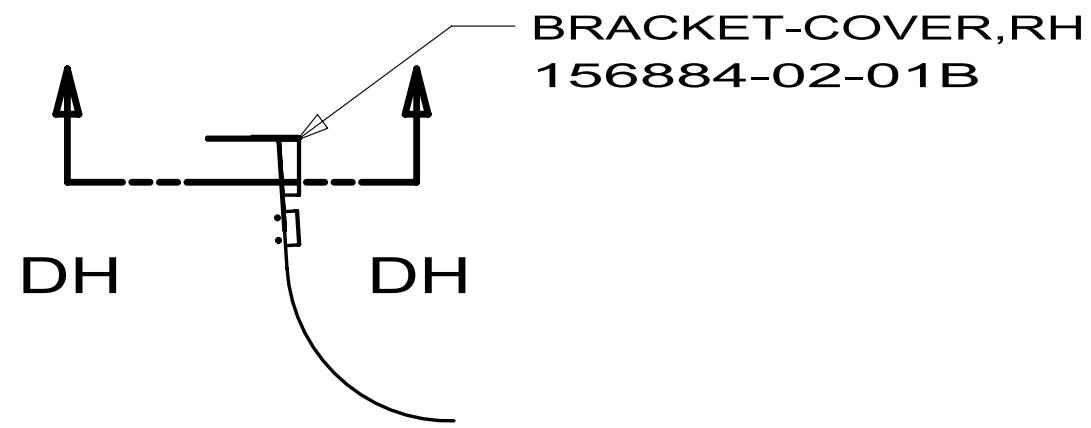


FIRST USED		10 E-SERWH,DSL	
DO NOT SCALE DRAWING			
TITLE: FRONT END ASM			
SHEET 3	PART NO	172586	REV

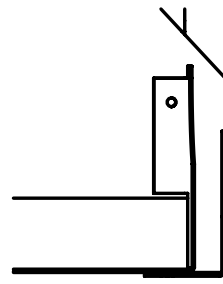
SECTION DB-DB



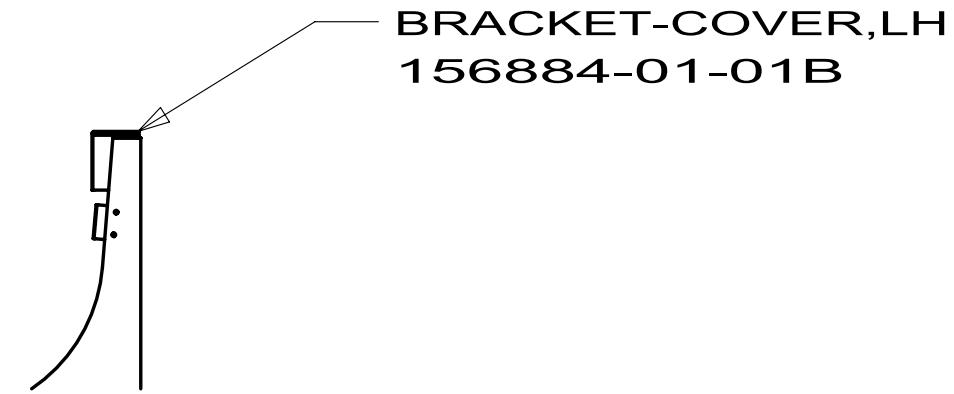
SECTION DG-DG



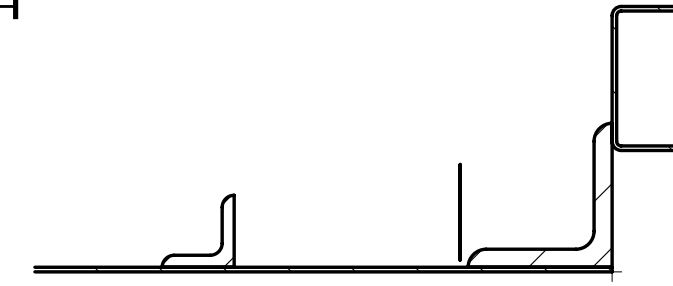
SECTION DH-DH



SECTION DC-DC



SECTION DE-DE



CLAMP
010497-04-000(2)

DATUM
FLOOR ASM-CAB
133472-34-01B

BRACKET-DEFROST
137047-06-01B (2)

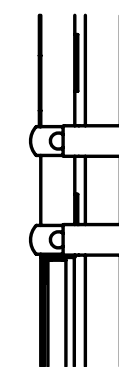
BRACKET-DEFROST
137047-05-01B (2)

BRACKET-DEFROST
137047-04-01b (4)

SECTION DA-DA

TOOLING HOLE

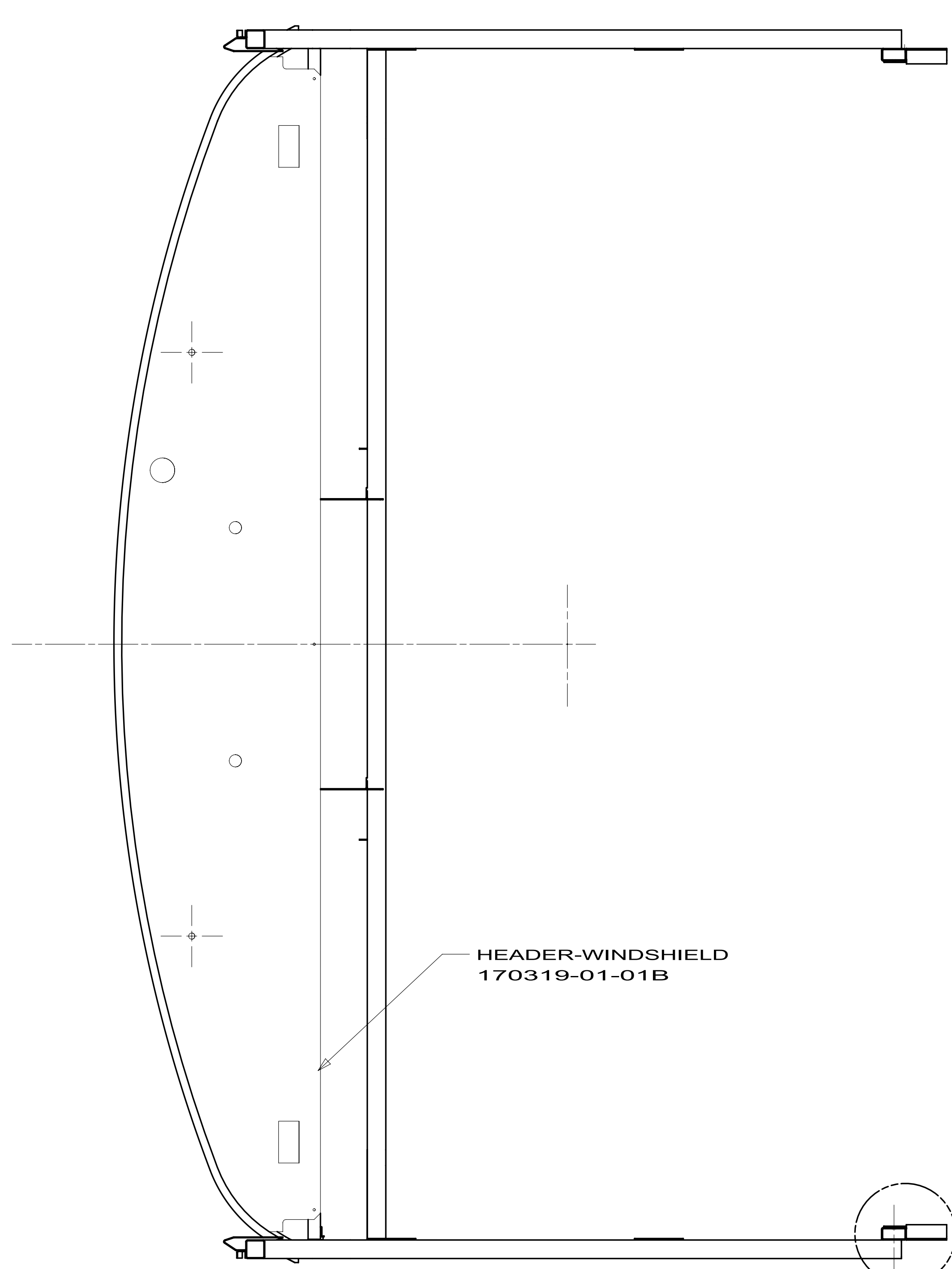
VIEW DF-DF



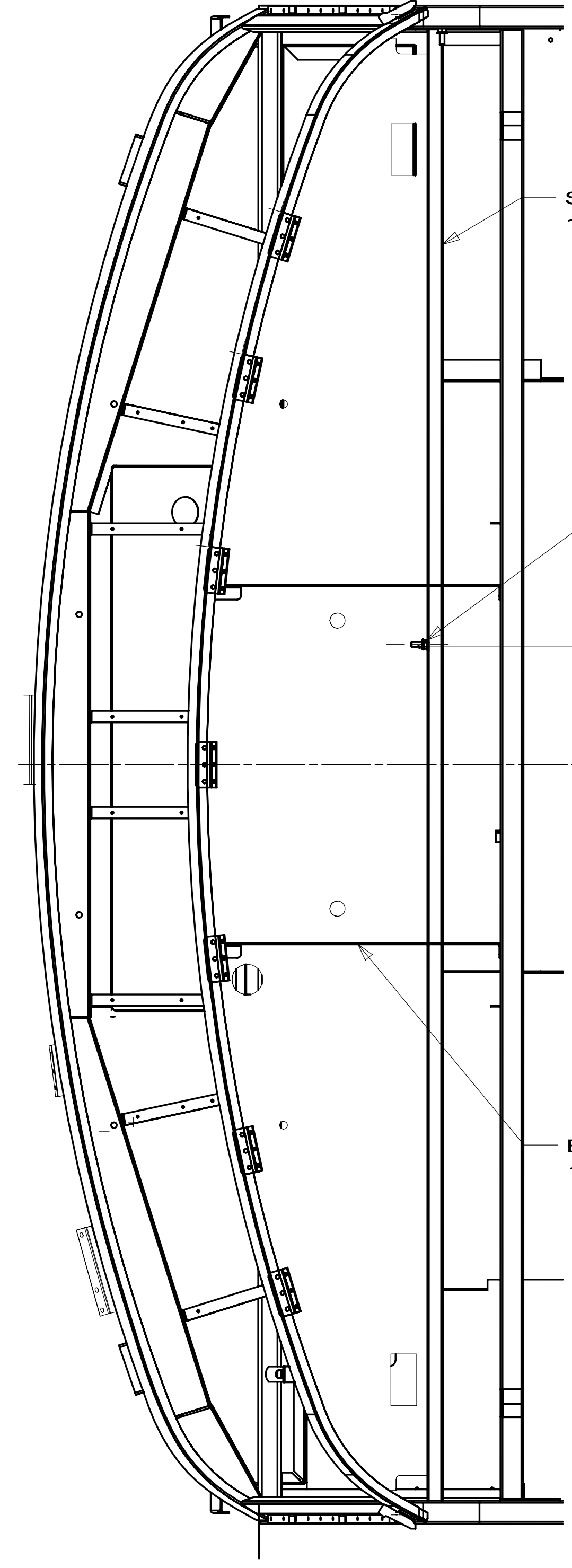
FIRST USED			10 E-SERWH,DSL
DO NOT SCALE DRAWING			
TITLE:			FRONT END ASM
SHEET 4	PART NO	172586	REV

D
C
B
A

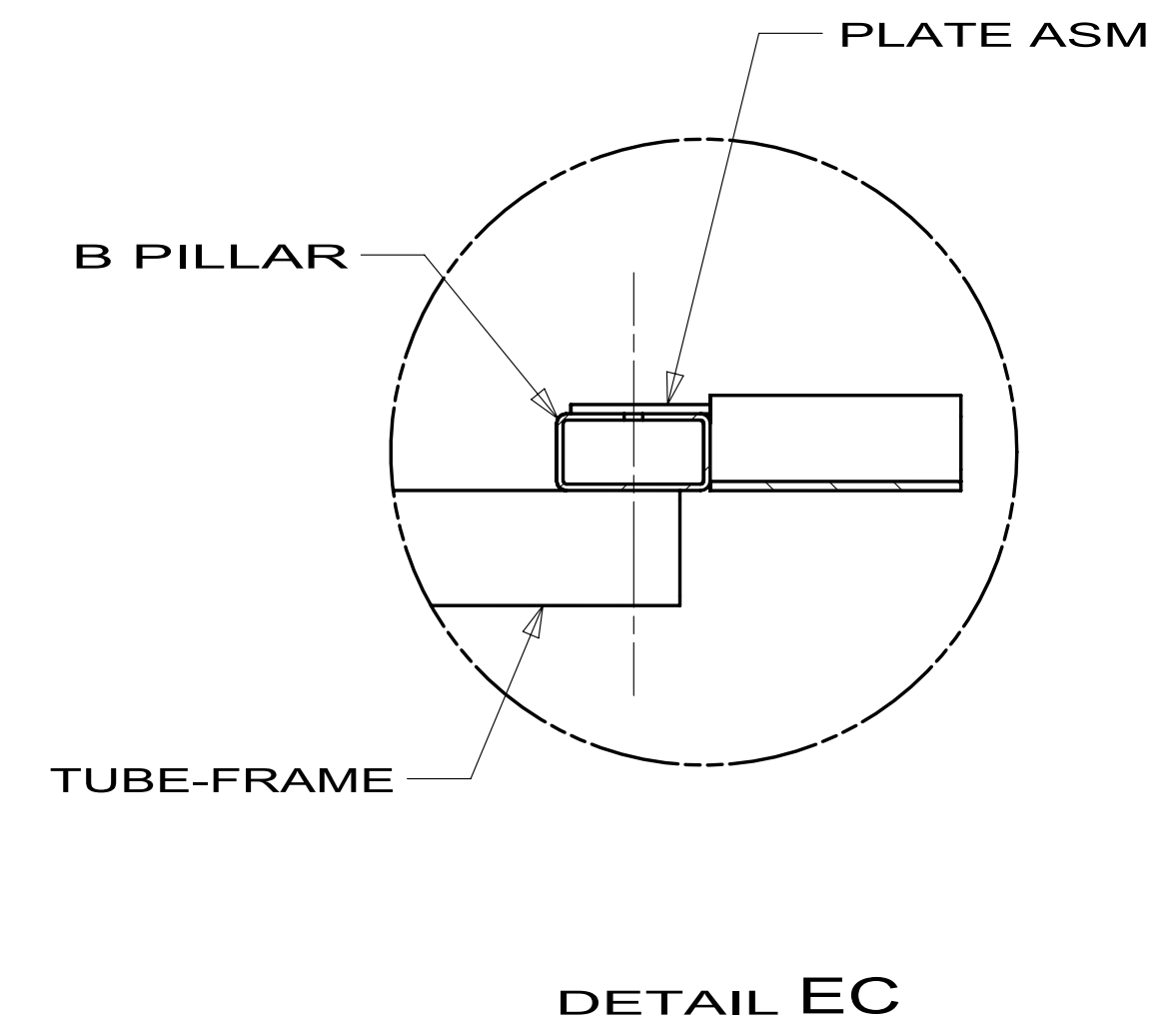
D
C
B
A



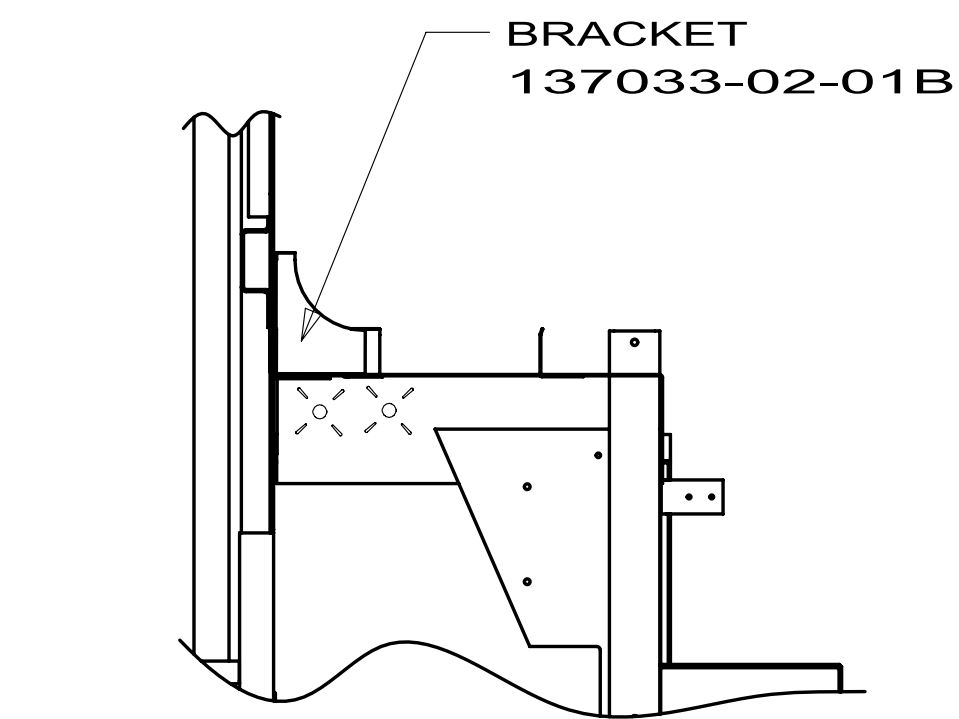
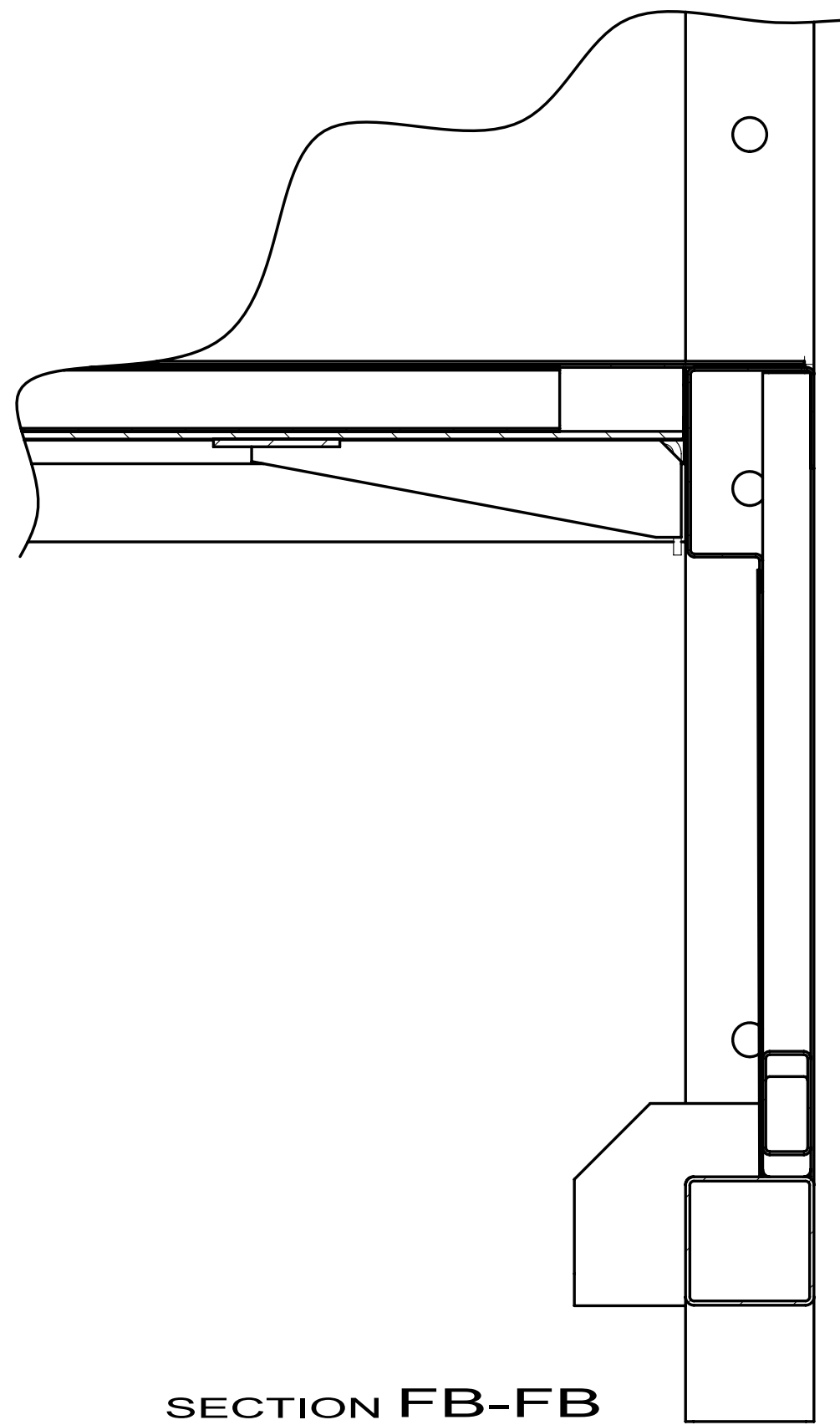
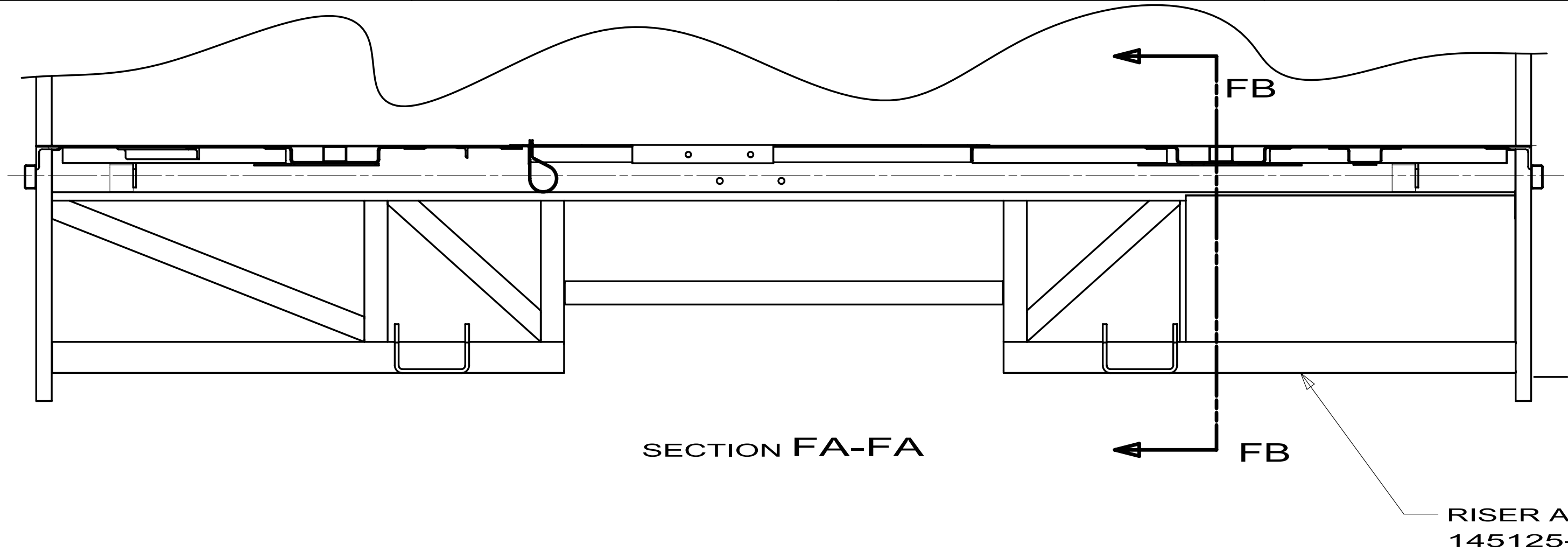
SECTION EA-EA



SECTION EB-EB



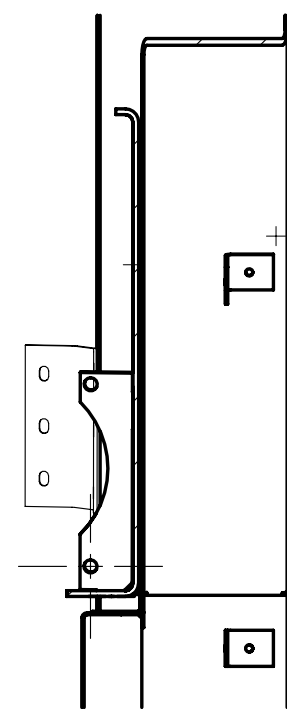
FIRST USED		10 E-SERWH,DSL	
DO NOT SCALE DRAWING			
TITLE: FRONT END ASM			
SHEET 5	PART NO	172586	REV



SECTION FC-FC

SECTION FR-FR

CL
OF VEHICLE
SECTION FS-FS



ANGLE-FORMED,WIPER
174256-03-01B

ANGLE-FORMED,WIPER
174256-02-01B

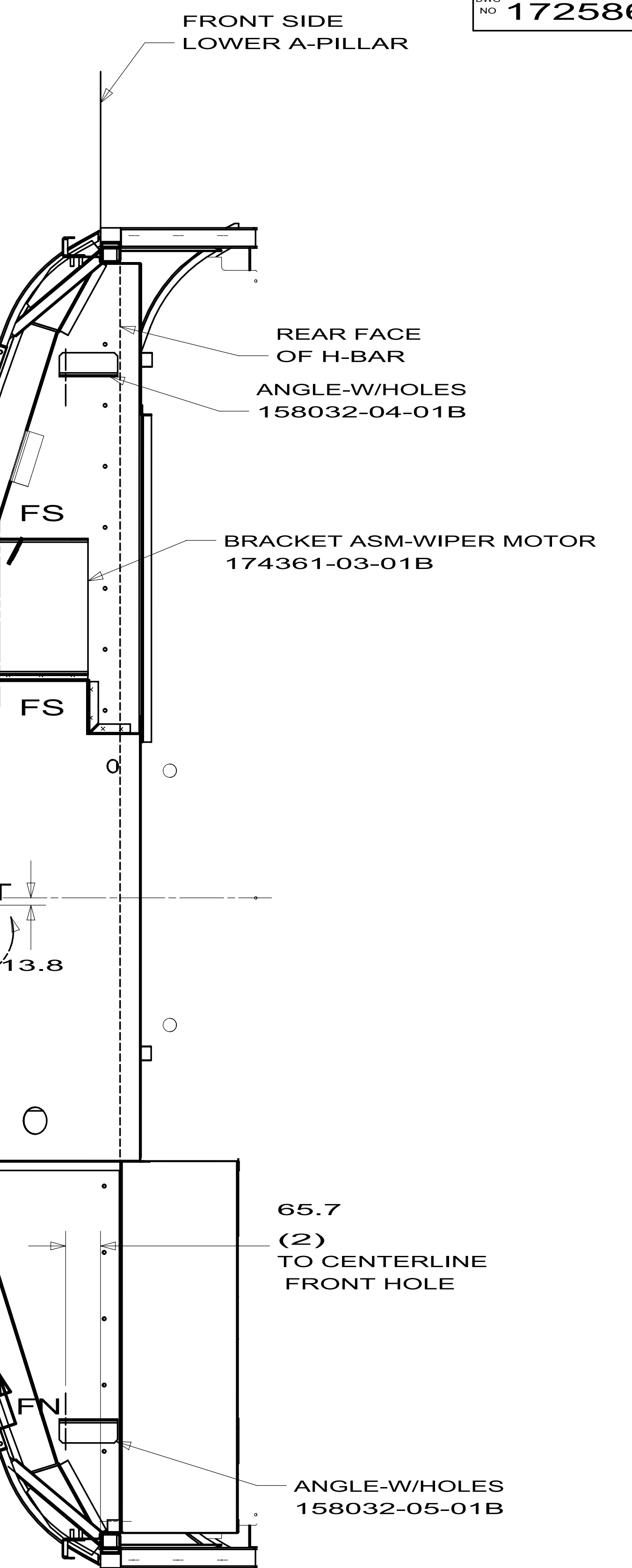
ANGLE-FORMED,WIPER
174256-01-01B

MOUNT ASM-WIPER PIVOT
174263-01-01B(2)

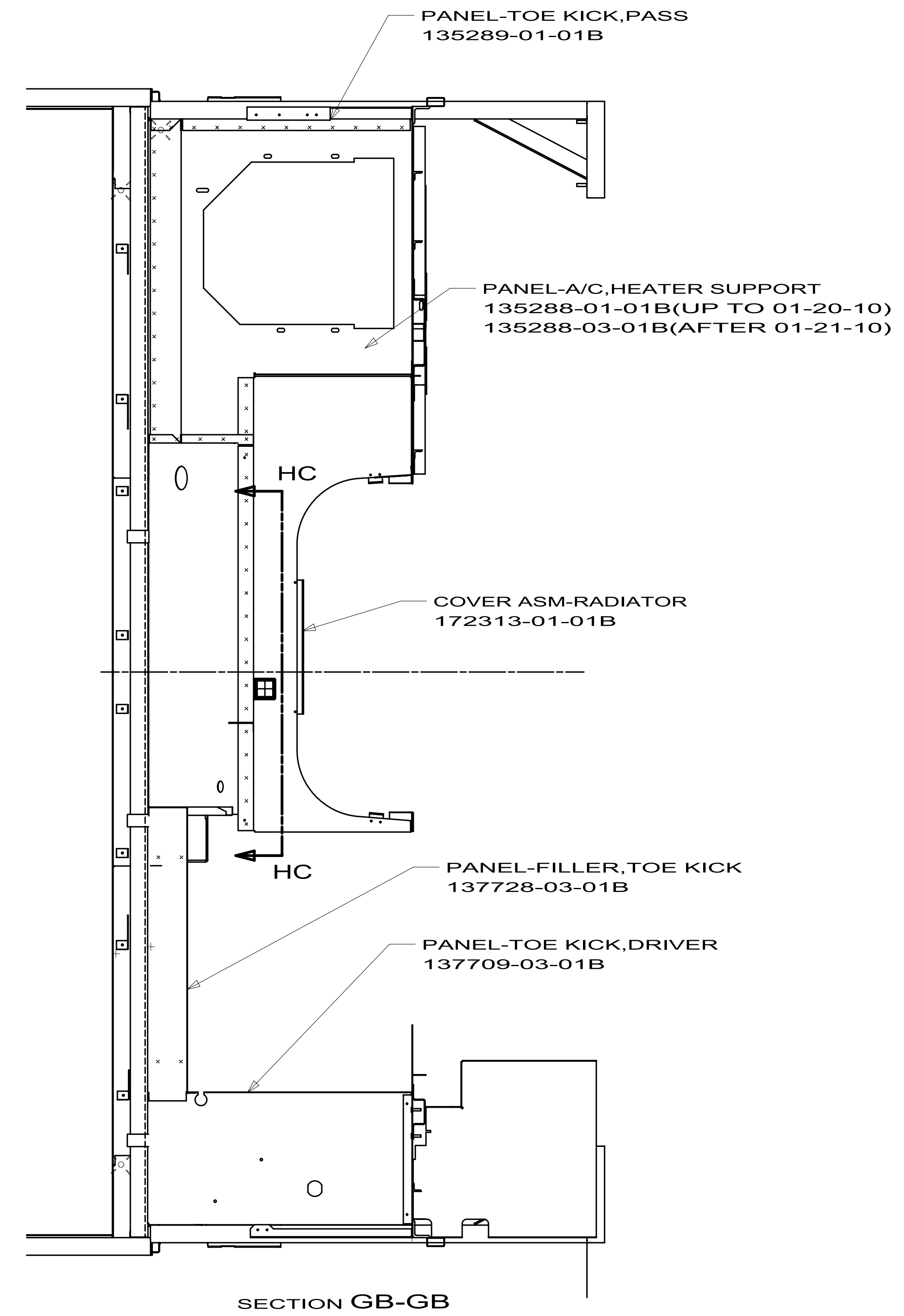
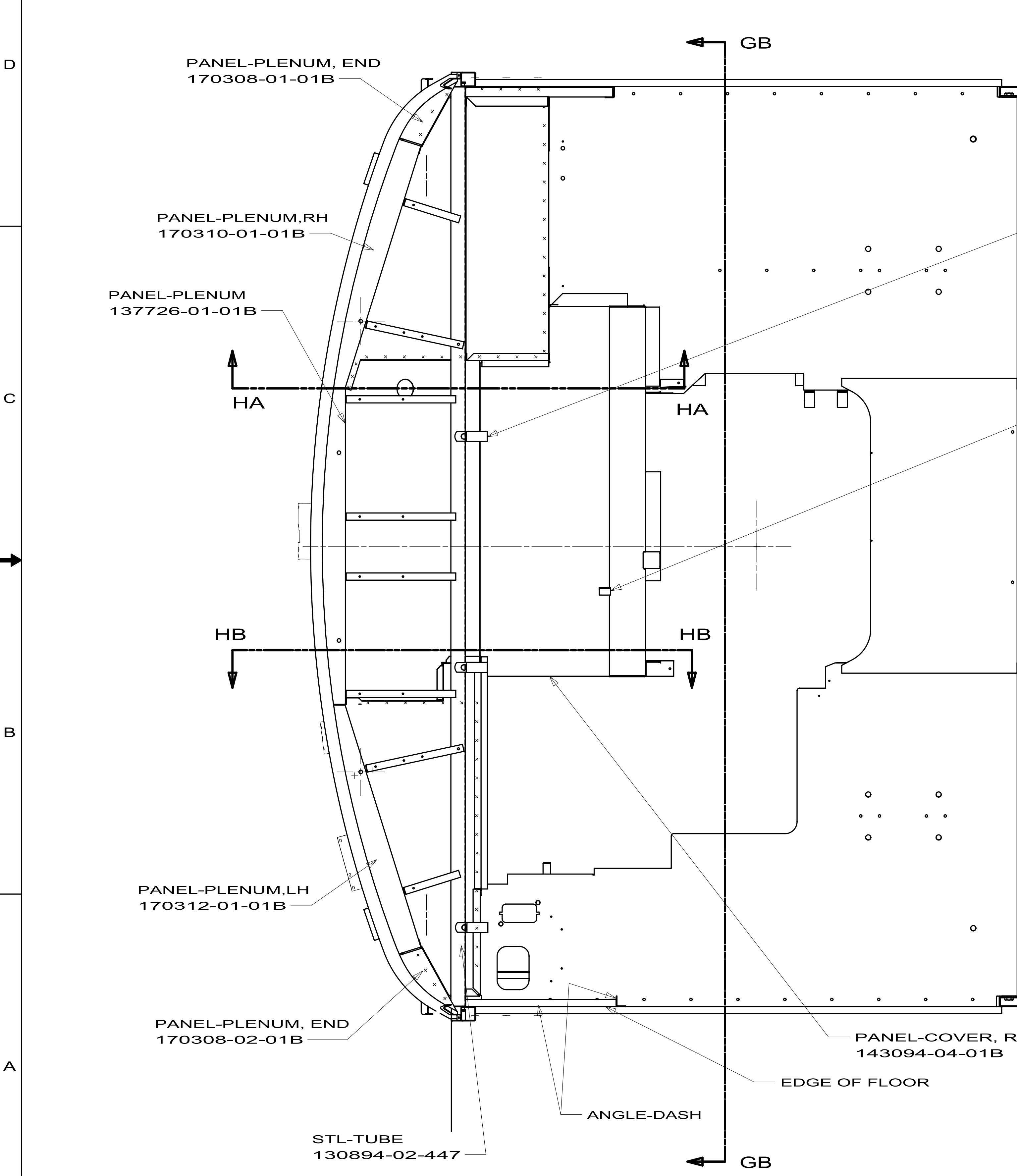
REINFORCEMENT-W/S SUPT
170313-02-01B (2)

SECTION FN-FN

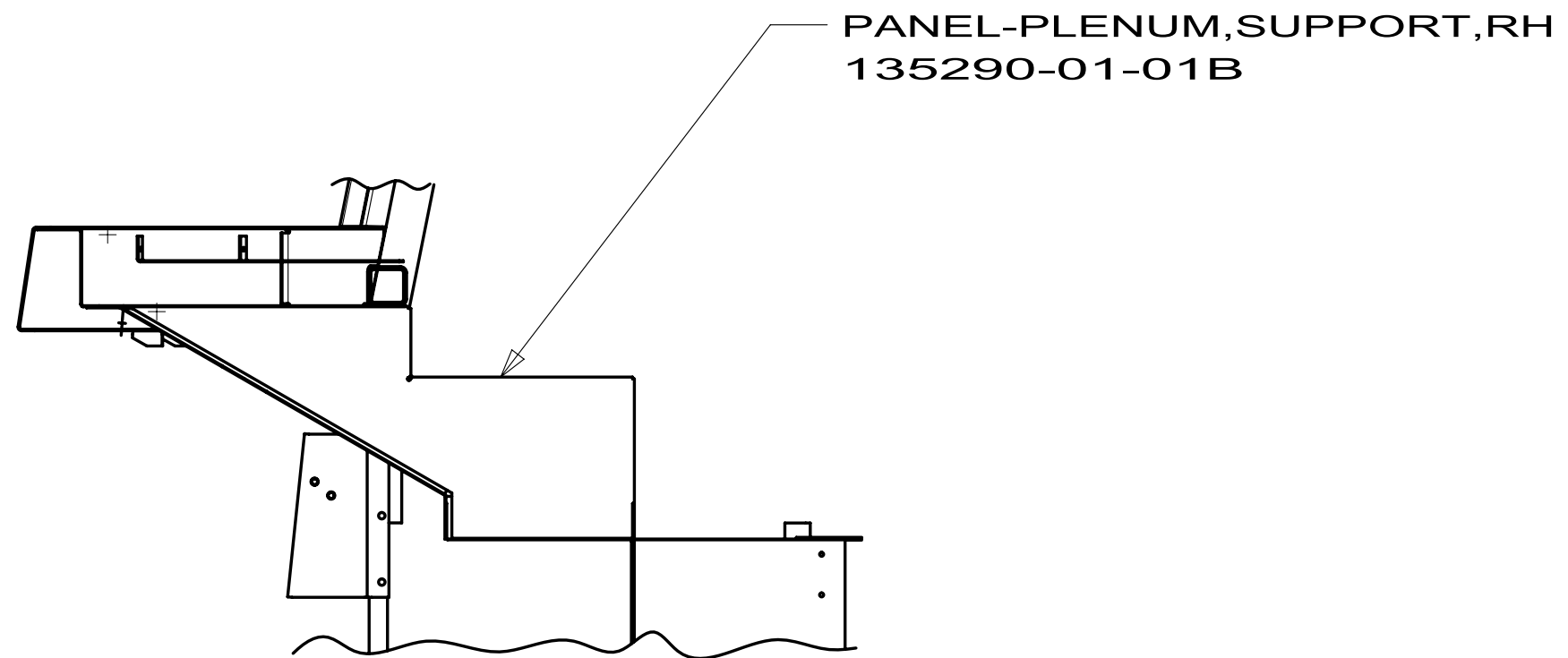
SECTION FG-FG



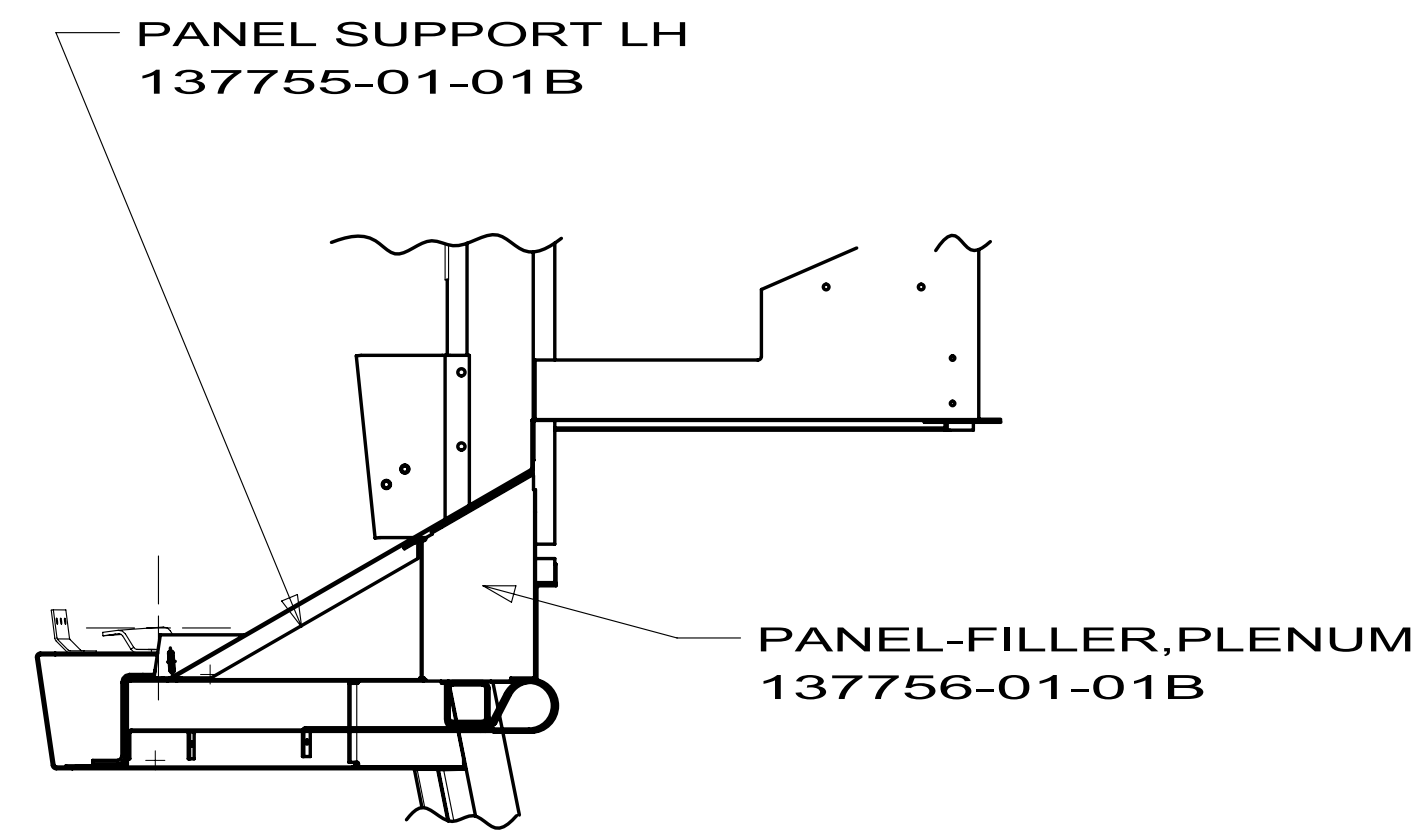
FIRST USED			10 E-SERWH,DSL
DO NOT SCALE DRAWING			
TITLE:			FRONT END ASM
SHEET 6	PART NO	172586	REV



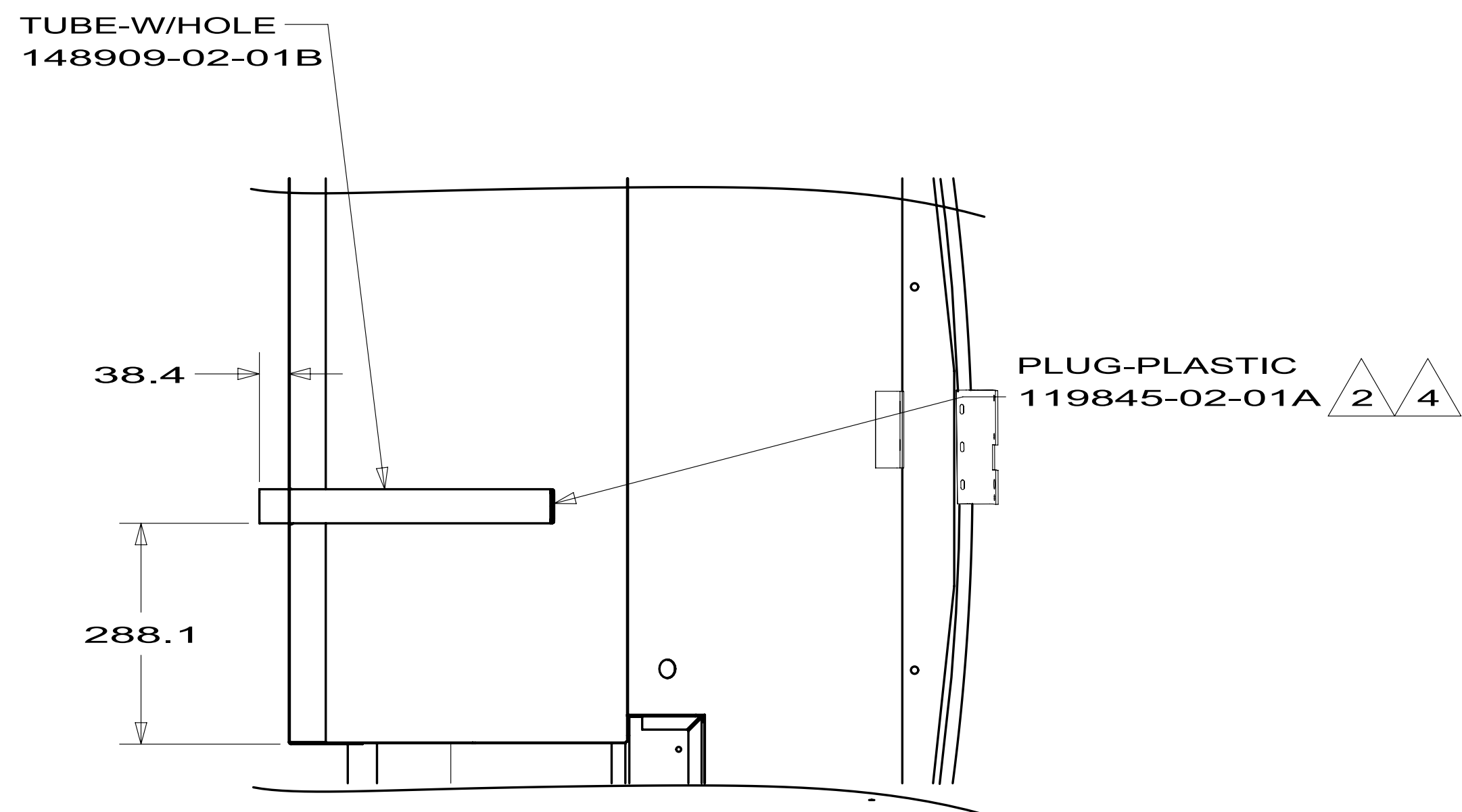
FIRST USED			10 E-SERWH,DSL
DO NOT SCALE DRAWING			
TITLE:			FRONT END ASM
SHEET 7	PART NO	172586	REV



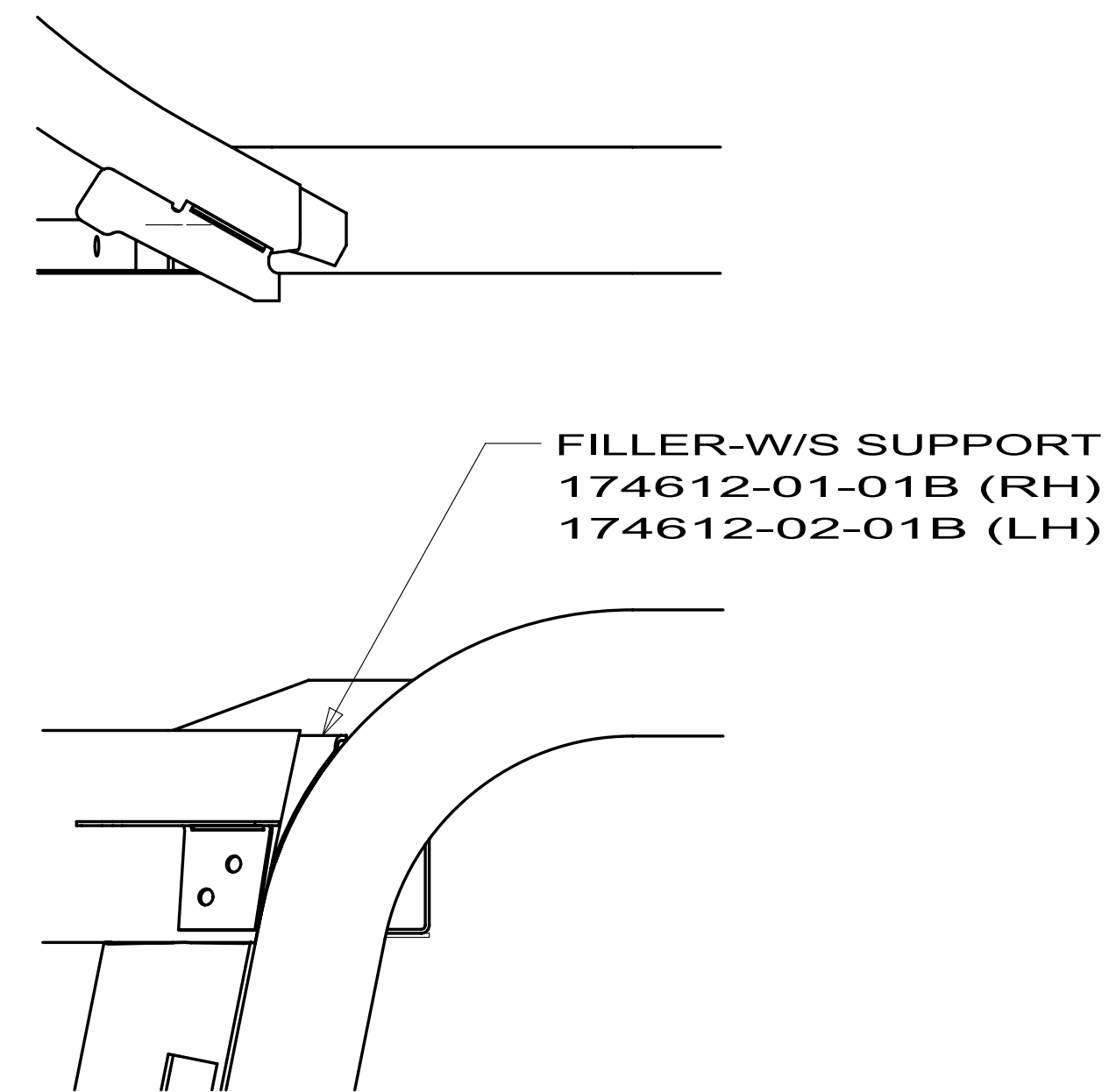
SECTION HA-HA



SECTION HB-HB

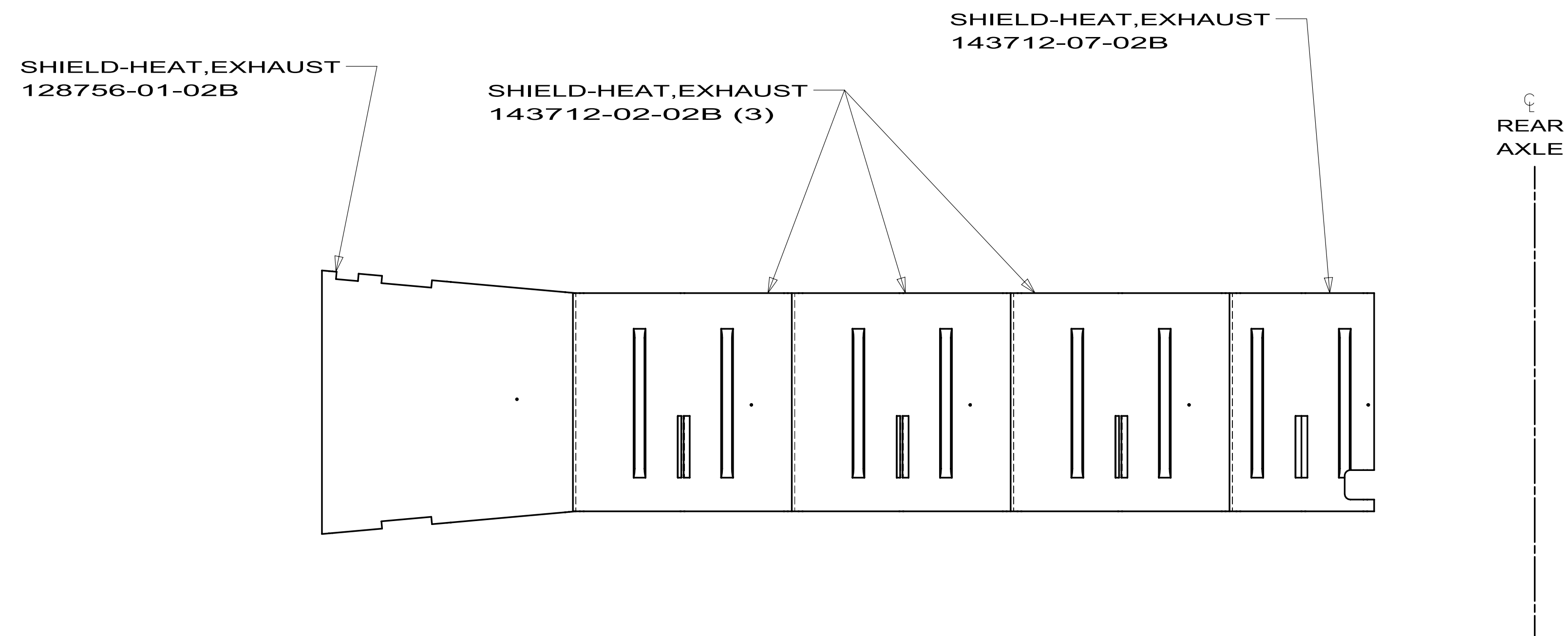
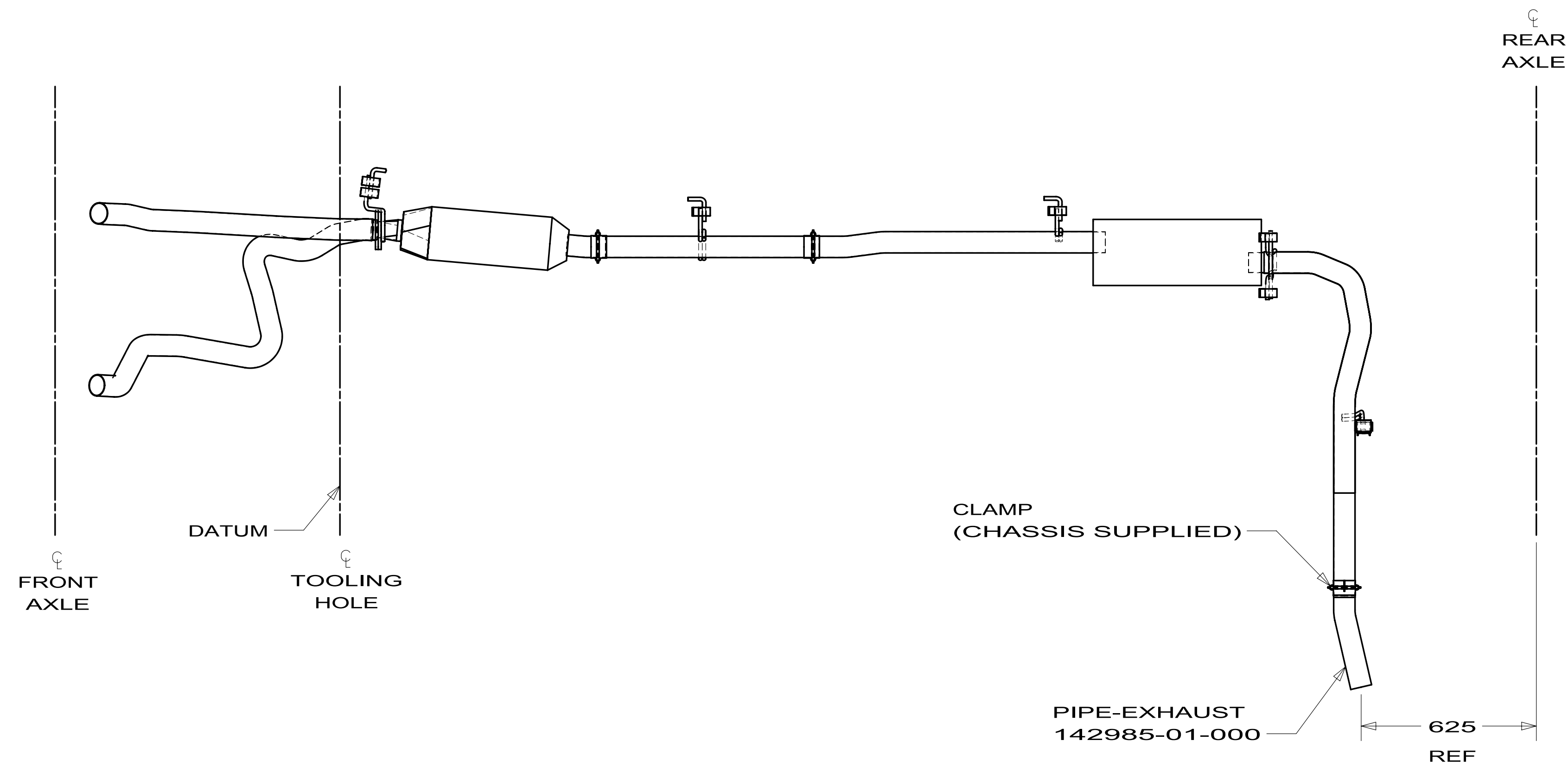


SECTION HC-HC



SECTION HD-HD

FIRST USED		
10 E-SERWH,DSL		
DO NOT SCALE DRAWING		
TITLE:		
FRONT END ASM		
SHEET 8	PART NO 172586	REV



E32K
167164-05

208" WHEELBASE

D

D

C

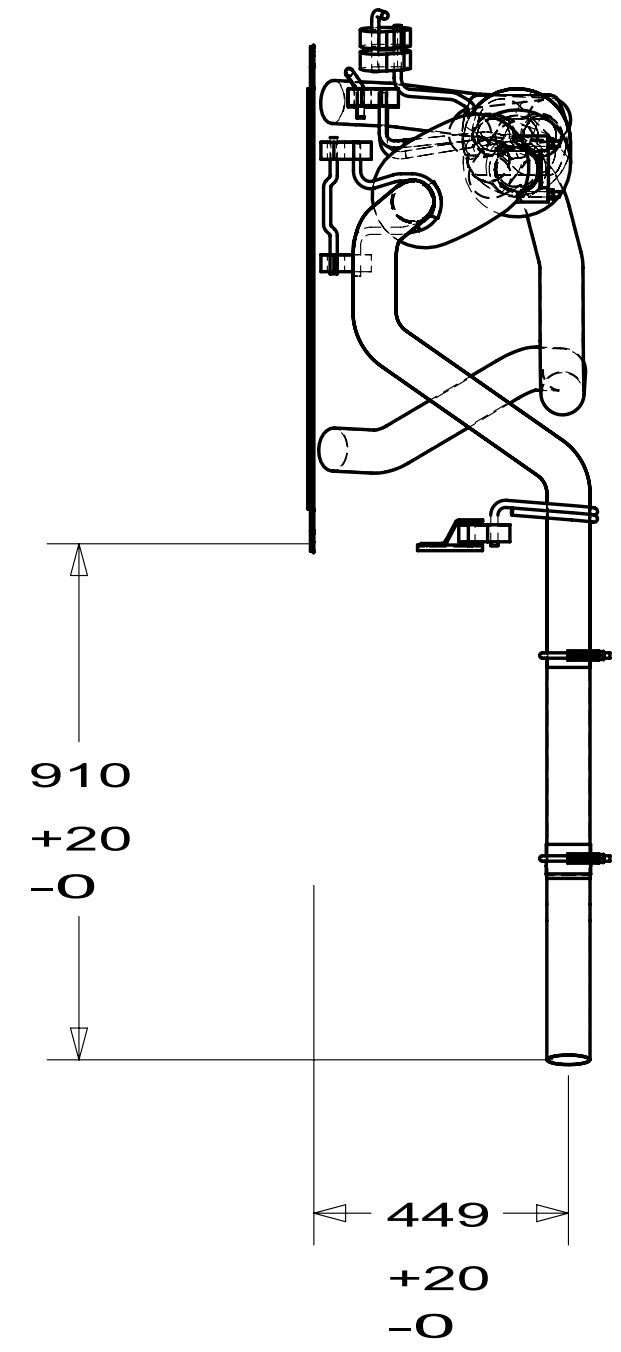
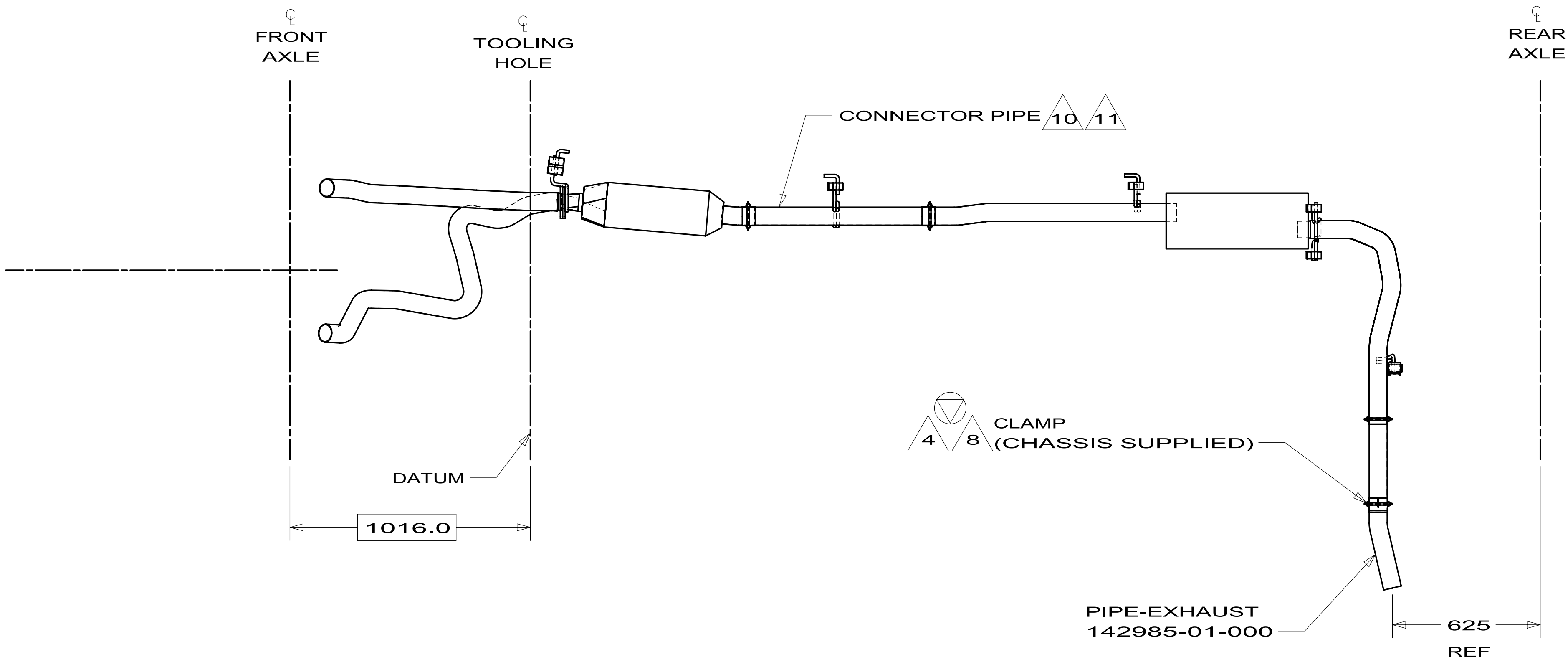
C

B

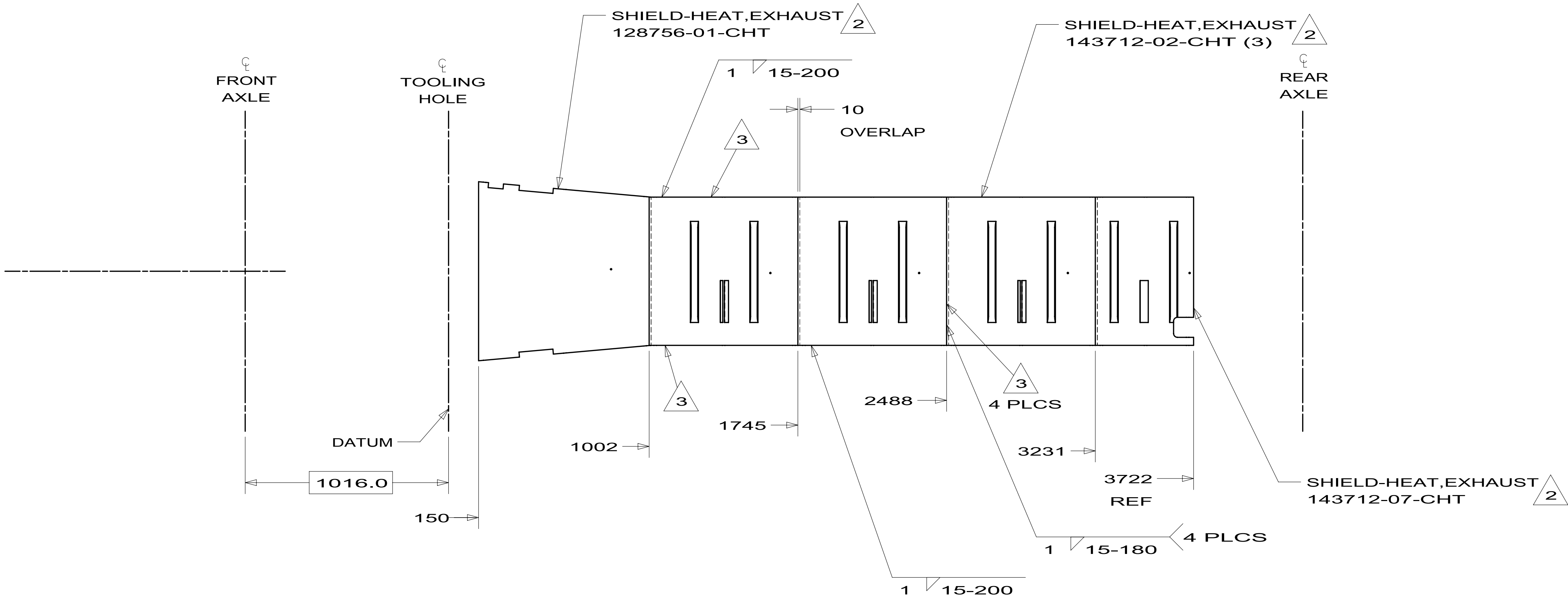
B

A

A

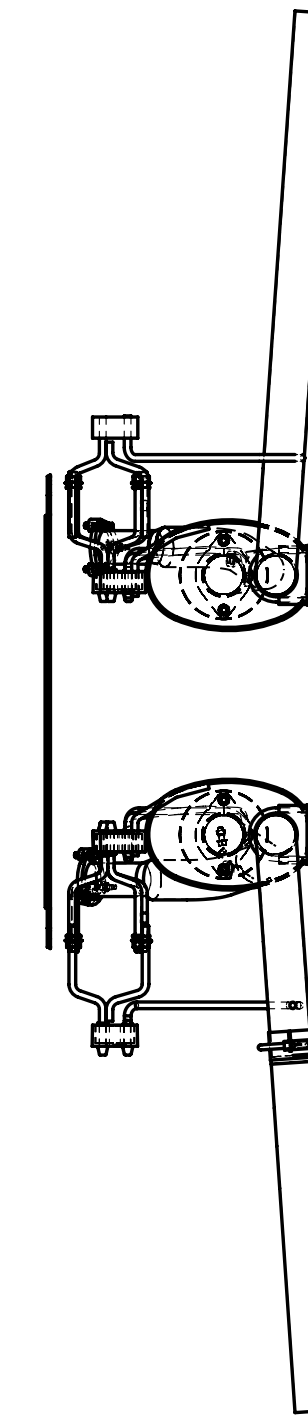
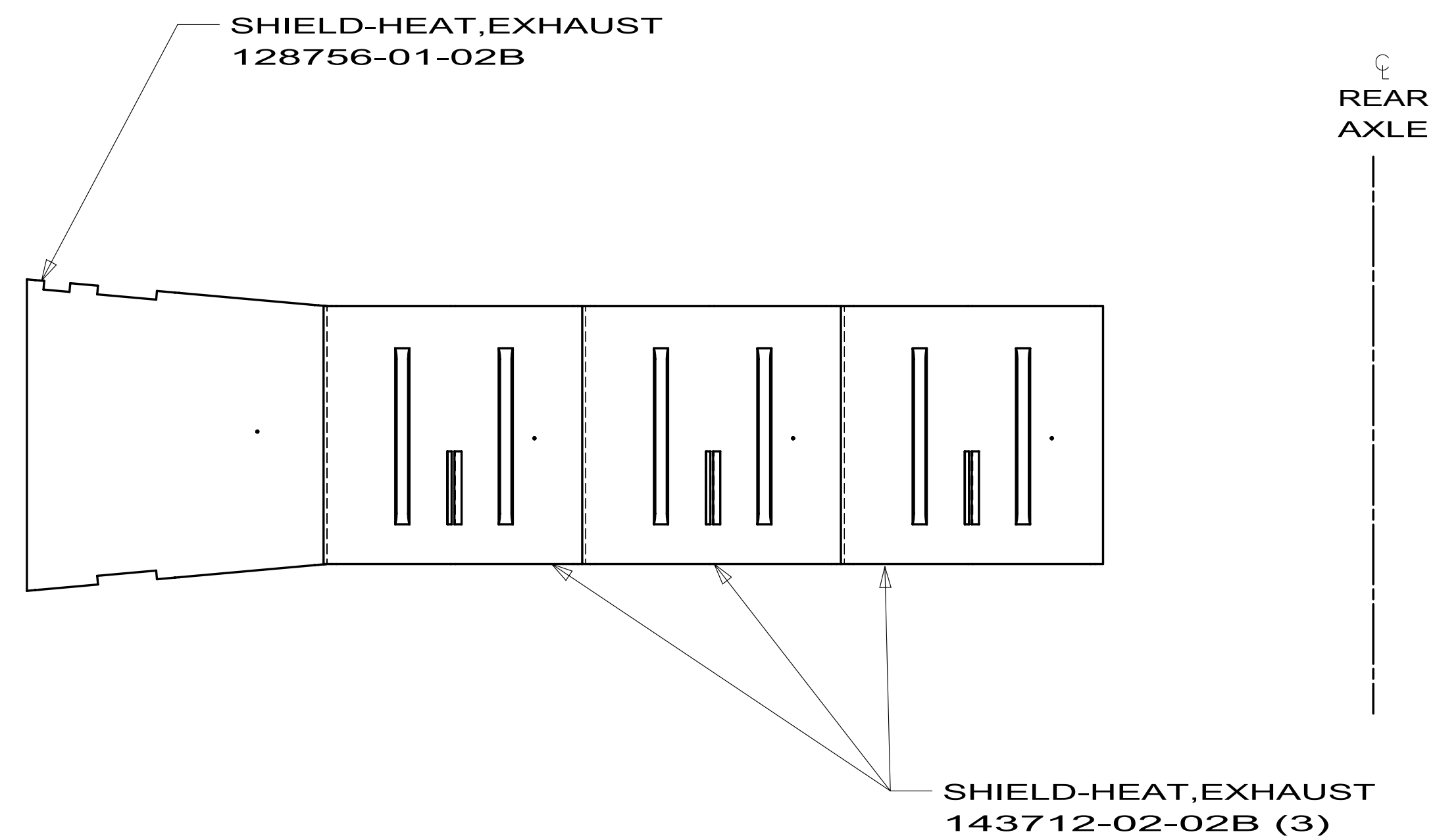
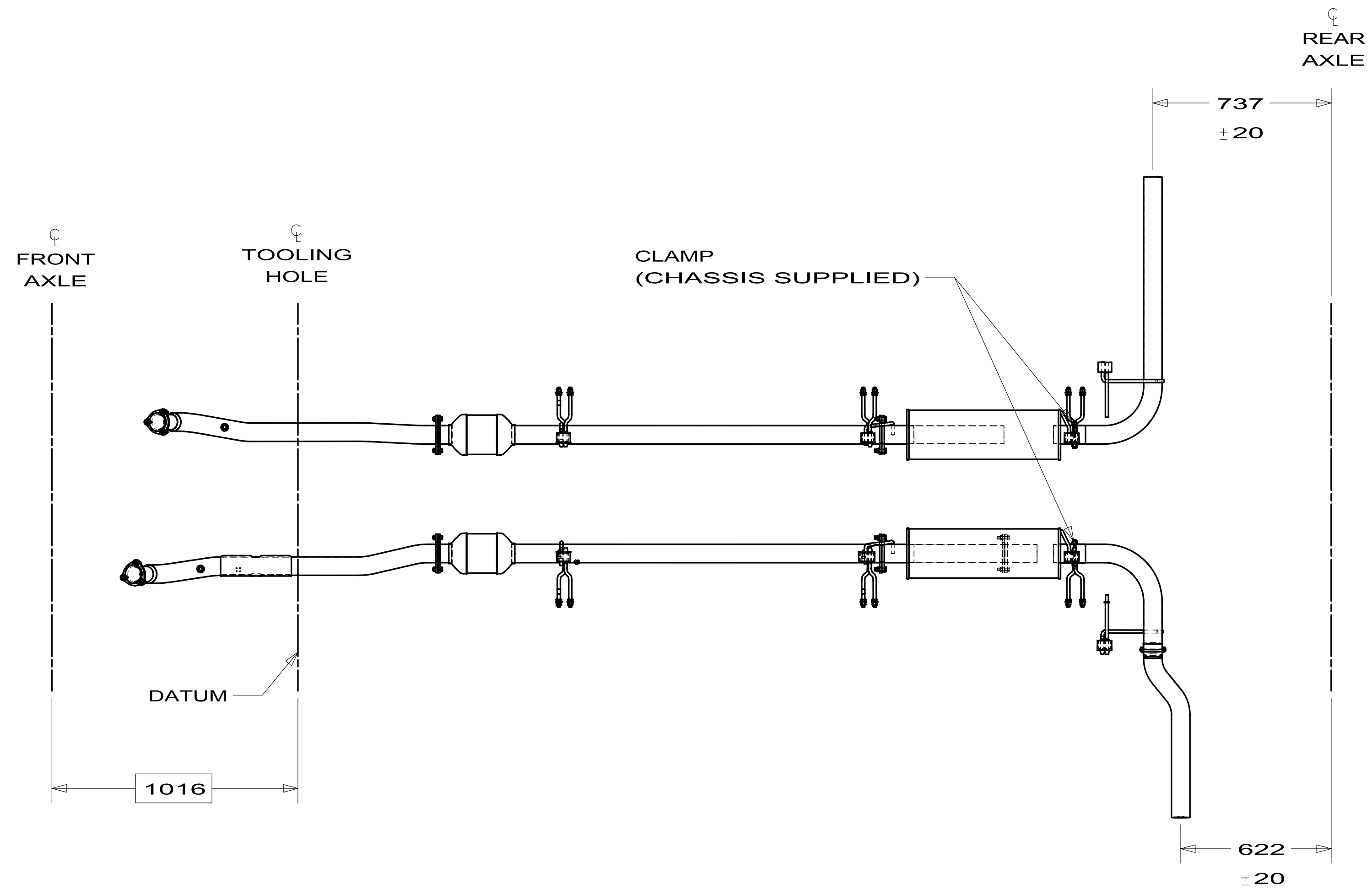


175444-04
E32K



175444-04
E32K
208" WHEELBASE

FIRST USED			11 FD MH
DO NOT SCALE DRAWING			
TITLE: EXHAUST SYSTEM INSTL-FD			
SHEET 5	PART NO	175444	REV

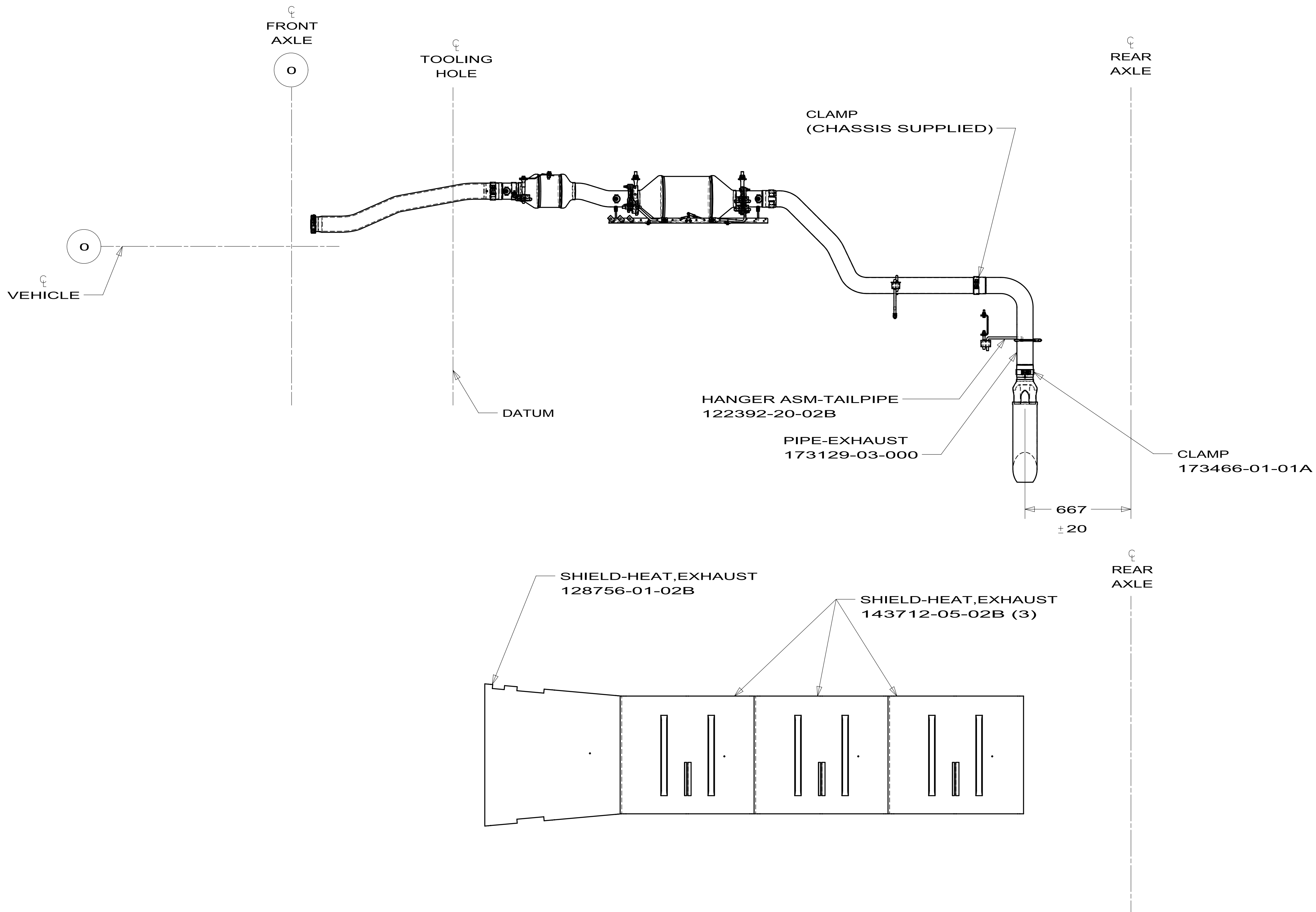


PIPE-EXHAUST
129726-02-000
CLAMP
(CHASSIS SUPPLIED)

E32K
167341-12

208" WHEELBASE

EXHAUST SYSTEM INSTL-WH
167341

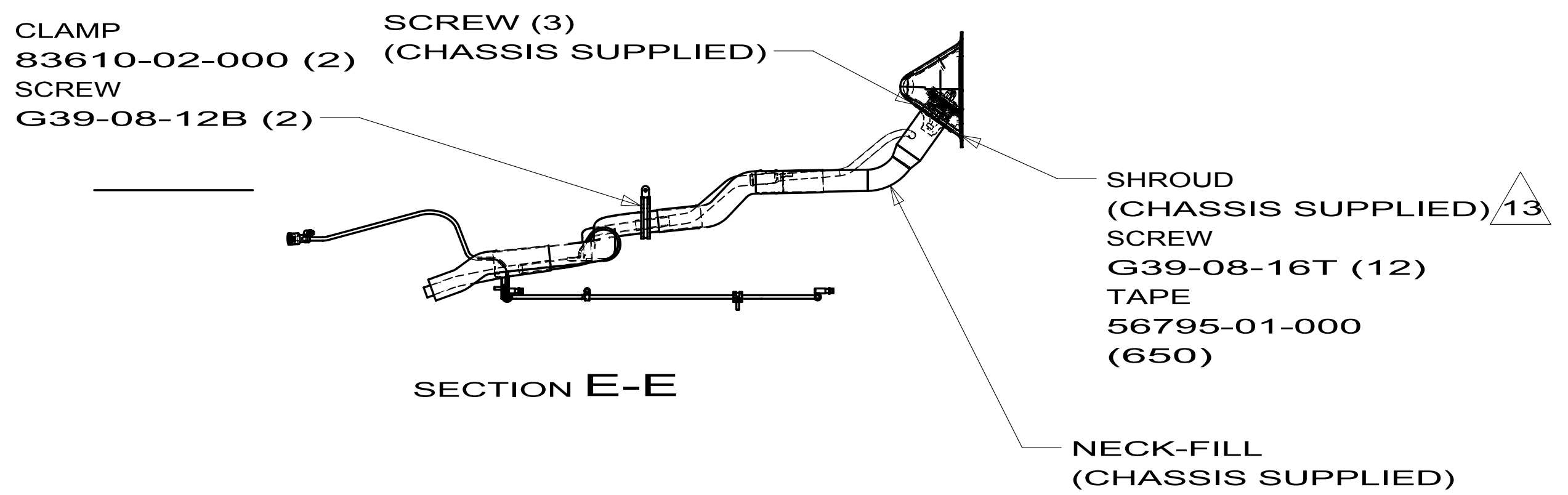
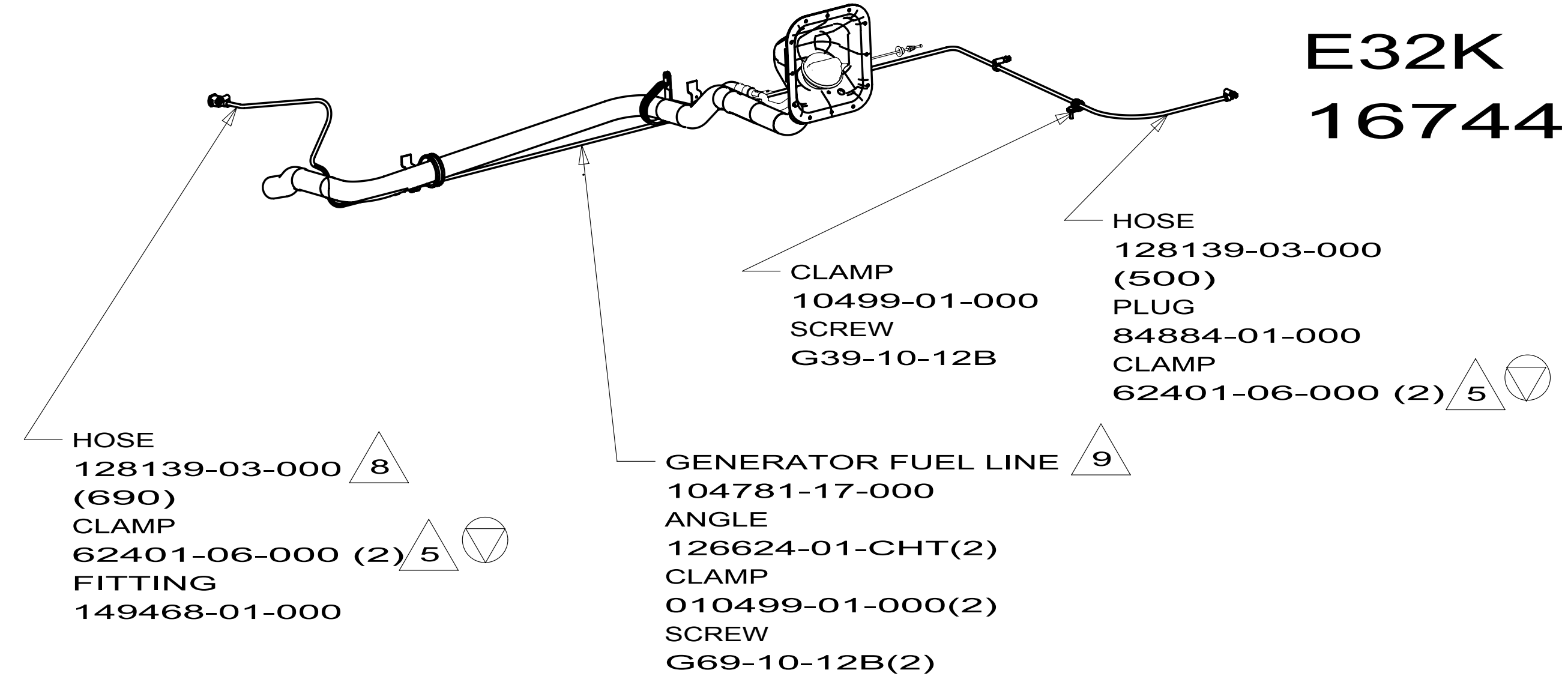
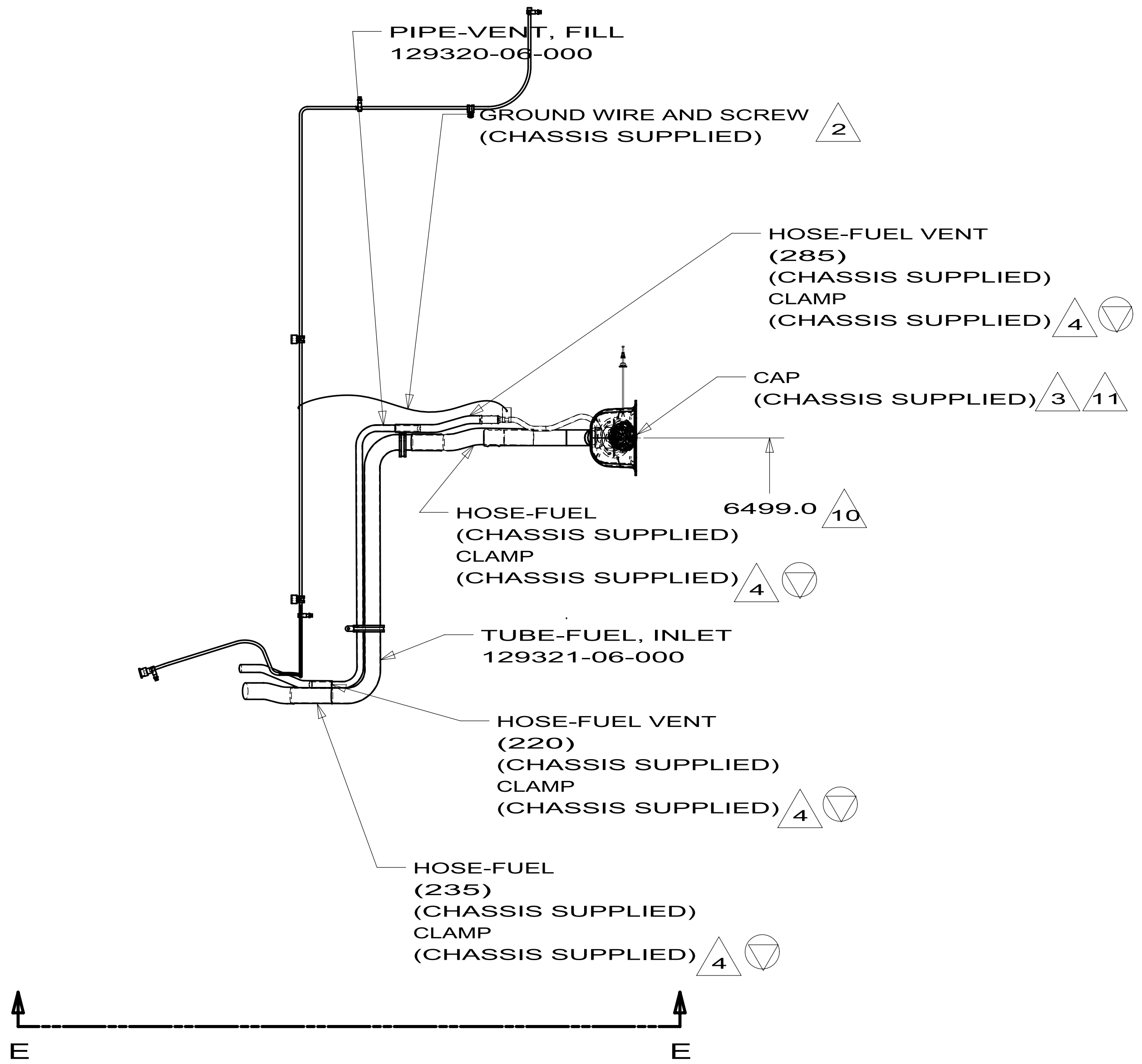


172550-02
E32K
208" WHEELBASE

E32K
167442-05

E32K
208" WHEELBASE
LH GENERATOR

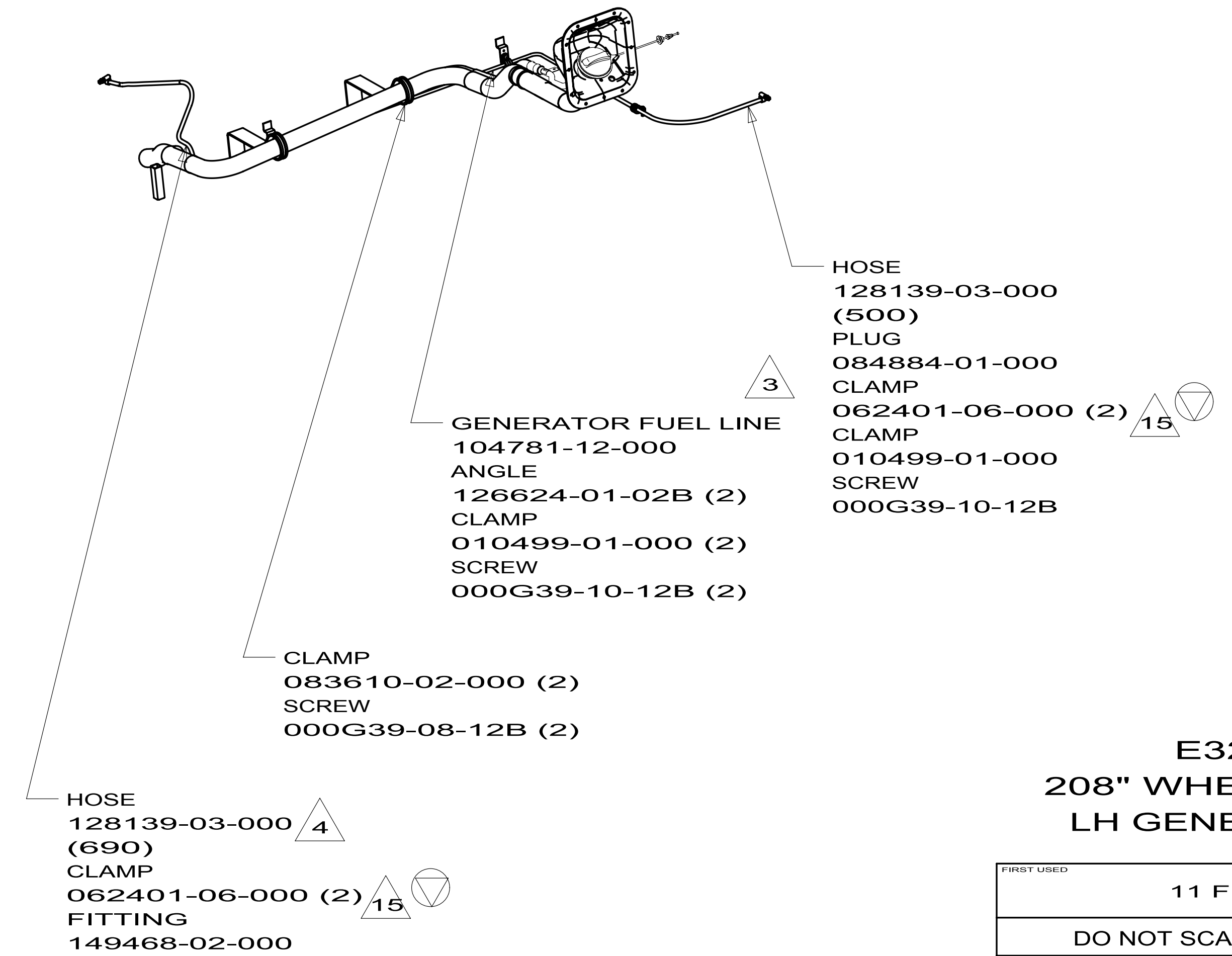
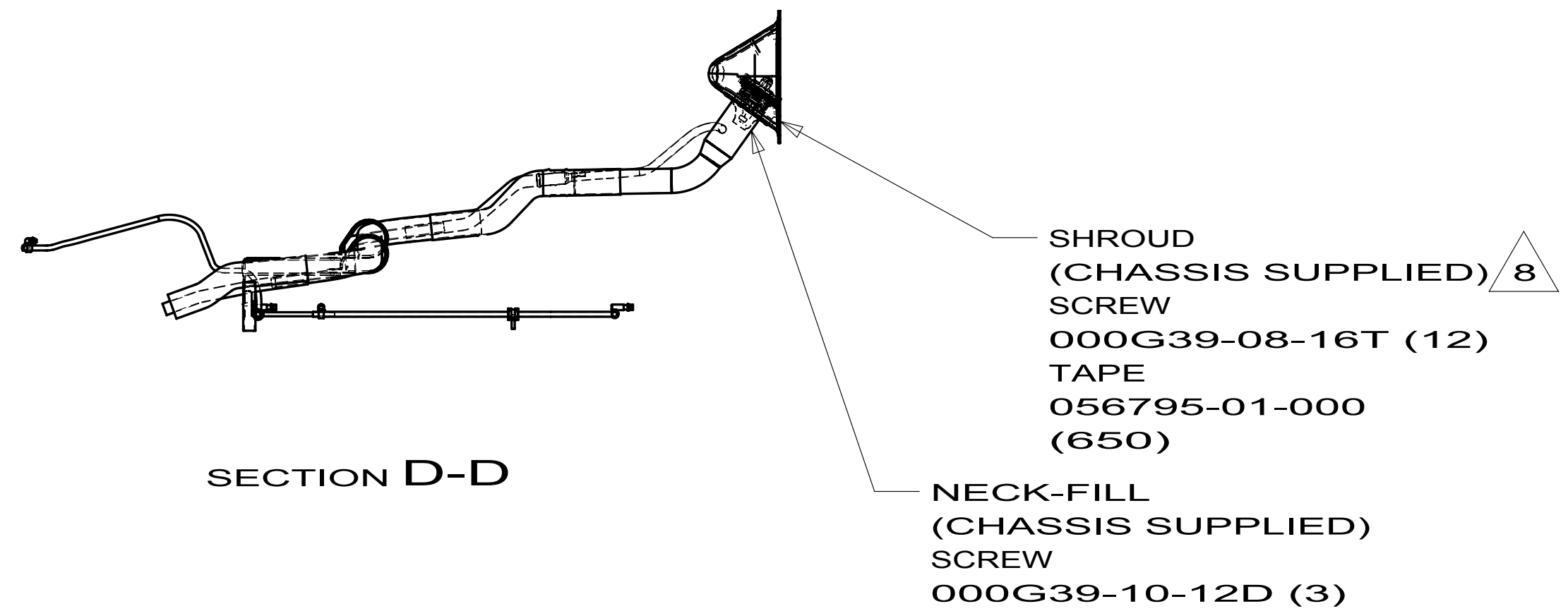
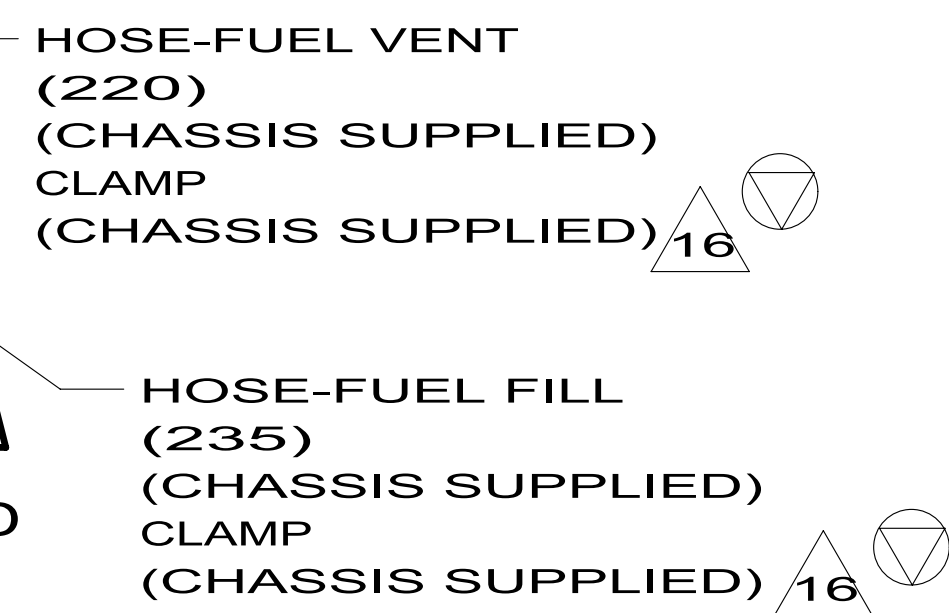
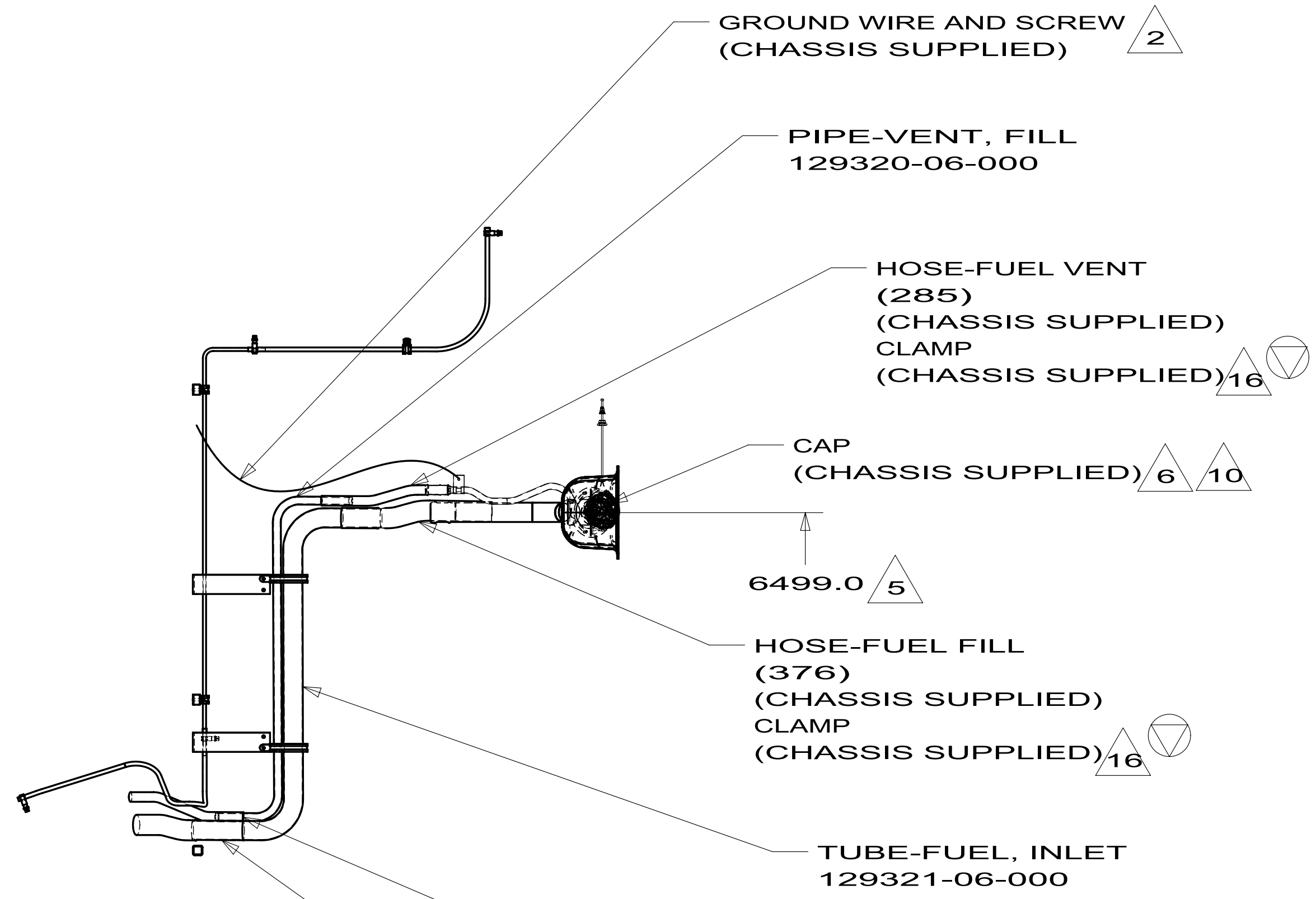
FIRST USED			09 FORD MH
DO NOT SCALE DRAWING			
TITLE:			FUEL SYSTEM INSTL-FUEL FILL
SHEET 4	PART NO	167442	REV



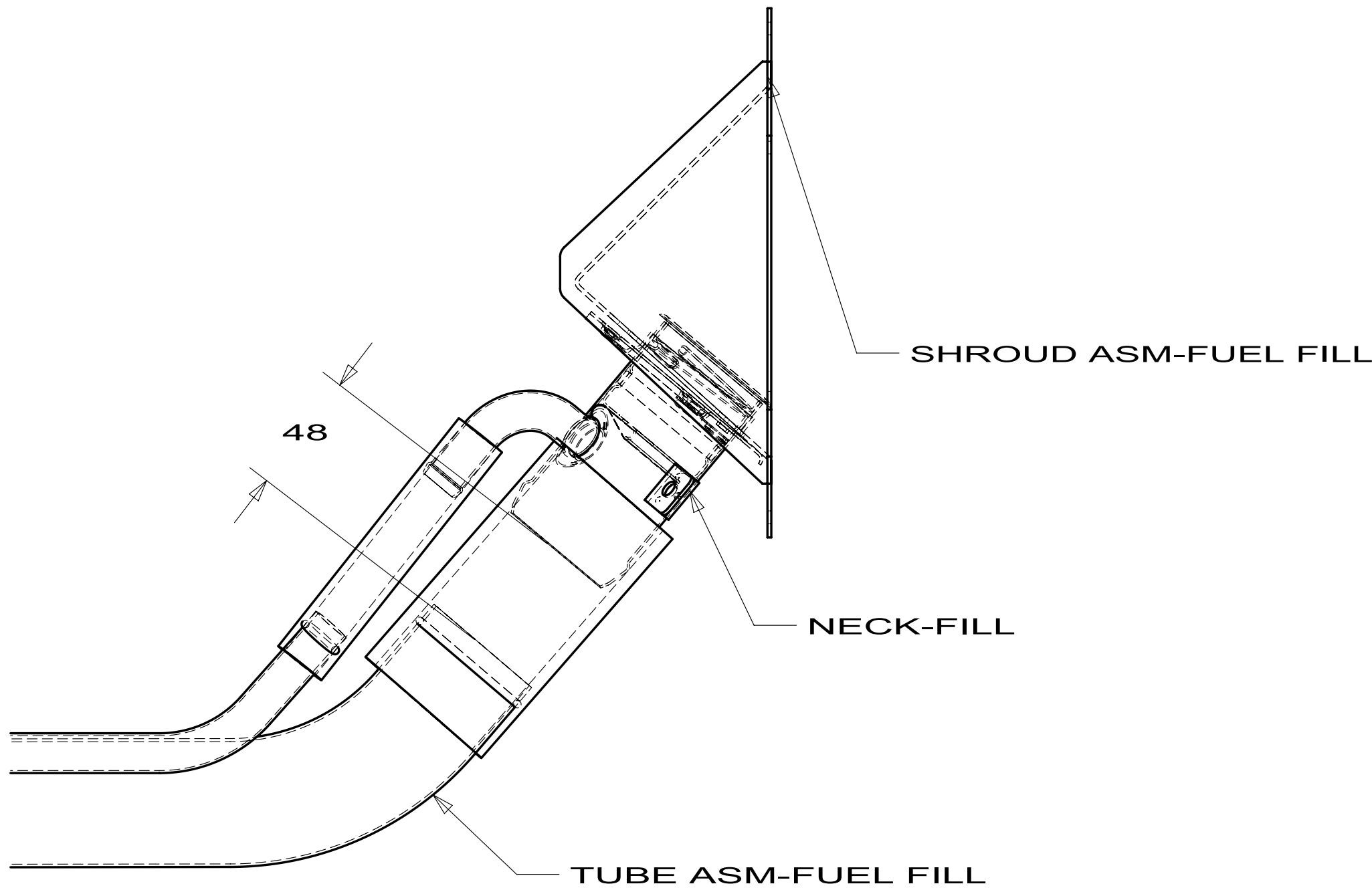
E32K
175441-04
2011 FORD CHASSIS

E32K
208" WHEELBASE
LH GENERATOR

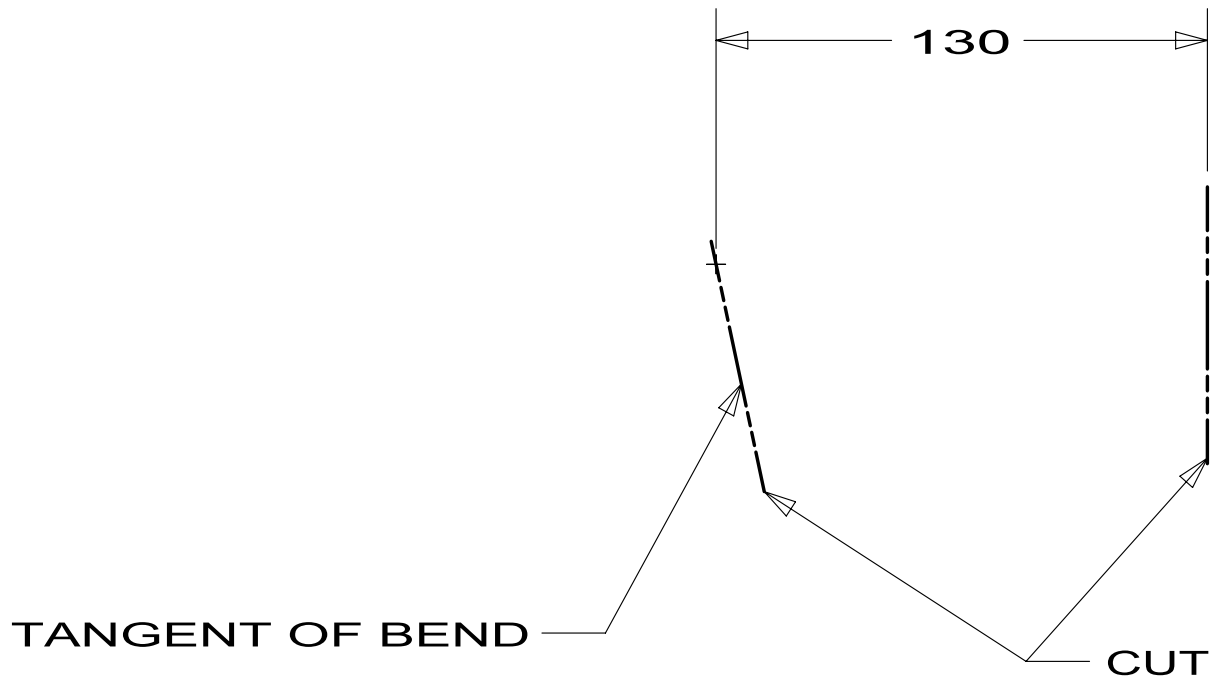
FIRST USED			11 FD MH
TITLE:			DO NOT SCALE DRAWING
FUEL SYSTEM INSTL-FUEL FILL			
SHEET	5	PART NO	175441
		REV	



8		7		6		5		4		3		2		1	
DWG NO		UNIT		WHEELBASE		SHEET									
167443-01		E26P		158.5"		2									
167443-02		NOT USED		190"											
167443-03		E30B		190"		3									
167443-04		D31E		208"		4									
167443-05		E32K		208"		5									
167443-06		J32H		STRETCH 208" TO 220"		6									
167443-07		D35J		228"		7									
167443-08		J35S,J35Z		228"		8									
167443-09		J38N,J38S		STRETCH 228" TO 248"		9									
167443-10		NOT USED		STRETCH 228" TO 266"											
167443-11		J35P		228"		10									
167443-12		D37L		STRETCH 228" TO 248"		11									
167443-13		NOT USED		190"											
167443-14		J37F		STRETCH 228" TO 248"		12									
167443-15		D33C		STRETCH 208" TO 220"		13									



DETAIL A



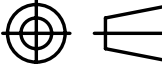
DETAIL B

- 18 LOCATE TOP OF BRACKET FLUSH WITH TOP OF CHASSIS RAIL.
- 17 FASTEN WIRE TO FRONT SIDE OF FUEL FILL ENCLOSURE.
- 16 ATTACH TO OUTER SURFACE OF SEAL PLANE.
- 15 ATTACH TO OUTER SURFACE OF SIDEWALL ASM.
- 14 FASTEN WIRE TO STUD ON REAR PANEL OF STORAGE COMPT.
- 13 TO PREVENT FUEL TRAPS, THE ENTIRE FUEL VENT SYSTEM MUST BE NO LOWER THEN WHEN THAT SYSTEM EXITS FRAME RAIL.
- 12 LOCATE CLAMPS SPACED EVENLY ALONG CHASSIS RAIL AND REAR CLIP.
- 11 ORIENT FITTINGS TO LINE UP WITH GENERATOR FUEL TUBES.
- 10 DIMENSION IS FROM DATUM LOCATED 697.0 BEHIND CENTERLINE FRONT AXLE.
- 9 COVER WITH CONDUIT TO AVOID METAL TO METAL CONTACT.
- 8 HOSE TO BE INSTALLED WITH ENOUGH SLACK TO DROP THE TANK FOR SERVICE.
7.  AUXILARY FUEL SUPPLY (DO NOT REMOVE IF NOT USED).
6.  TORQUE ALL FUEL LINE COUPLINGS 6.0-10.0 Nm (55-90 LB IN).
5.  TORQUE CLAMPS TO 2.0-2.5 Nm (18-22 LBS/IN).
4.  TORQUE CLAMPS TO 3.0-3.5 Nm (27-31 LBS/IN).
- 3 PLACE RETAINING RING OVER TOP OF NECK.
- 2 FASTEN WIRE TO FLOOR SUPPORT TUBE.
- 1 MINIMUM BEND RADII OF FUEL LINE HOSES 64 R.

NOTES:

RELEASE		REV	DATE	DWG NO	167443
REV	ZONE	REVISION RECORD		DATE	DFTG.ORG

- 1PL WORKHORSE 18,000# GVWR
- 1PE WORKHORSE 20,500 DSL 230HP

WINNEBAGO® INDUSTRIES		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
DFT#R		ORIG. DATE	
CH#R		ALL DIMENSIONS ARE IN MILLIMETERS	
P.E.			
M.E.		FIRST USED	
DSNR		09 WH	
UNSPECIFIED TOLERANCES ARE:			
WHOLE DIM (X) ± 3		MATERIAL:	
ONE-PLACE (X.X) ± 1.5			
TWO-PLACE (X.XX) ± 0.50			
ANGLE ± 1°			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE: FUEL SYSTEM INSTL-FUEL FILL			
SHEET 1 OF 13		PART NO	167443
		REV	

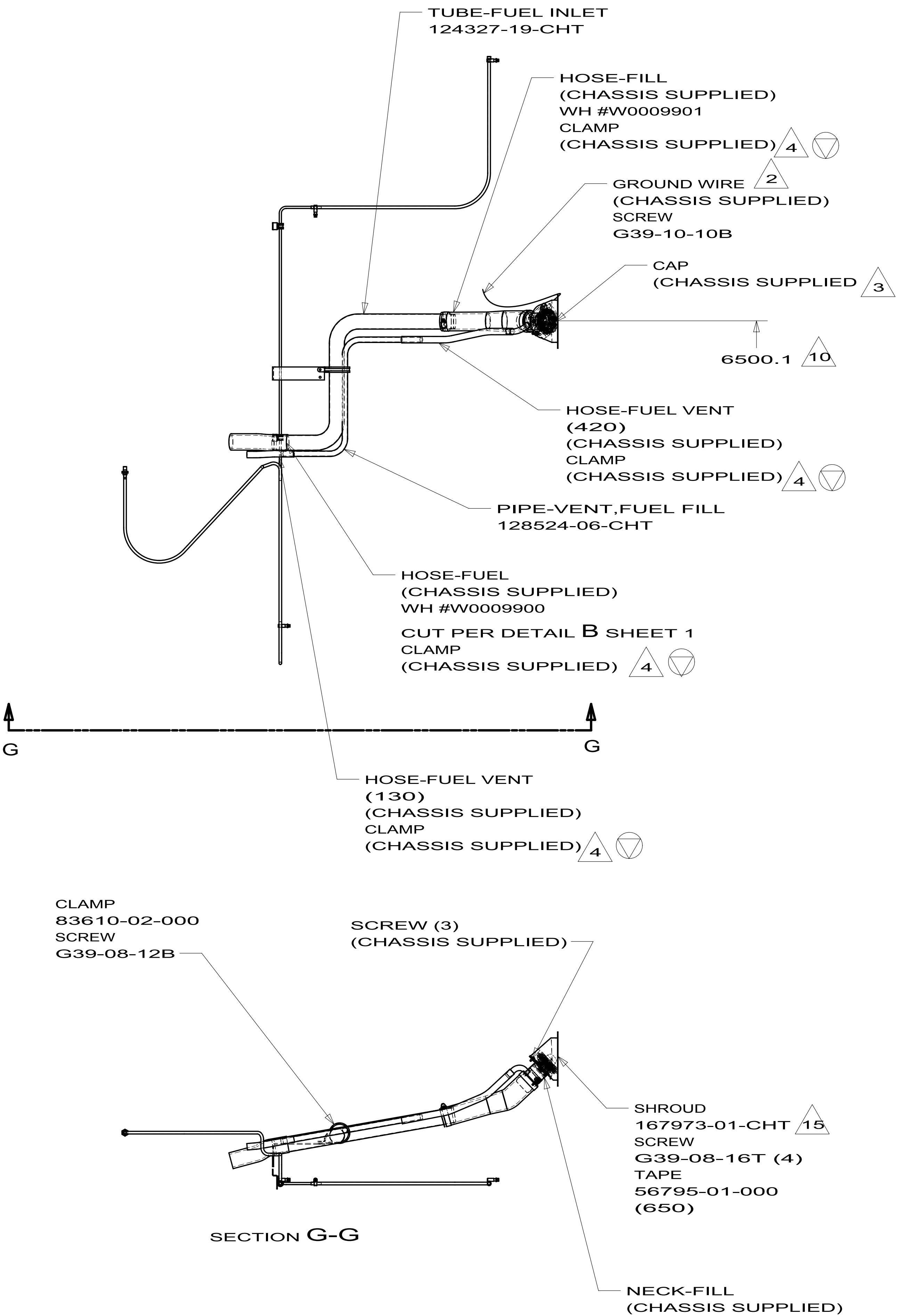
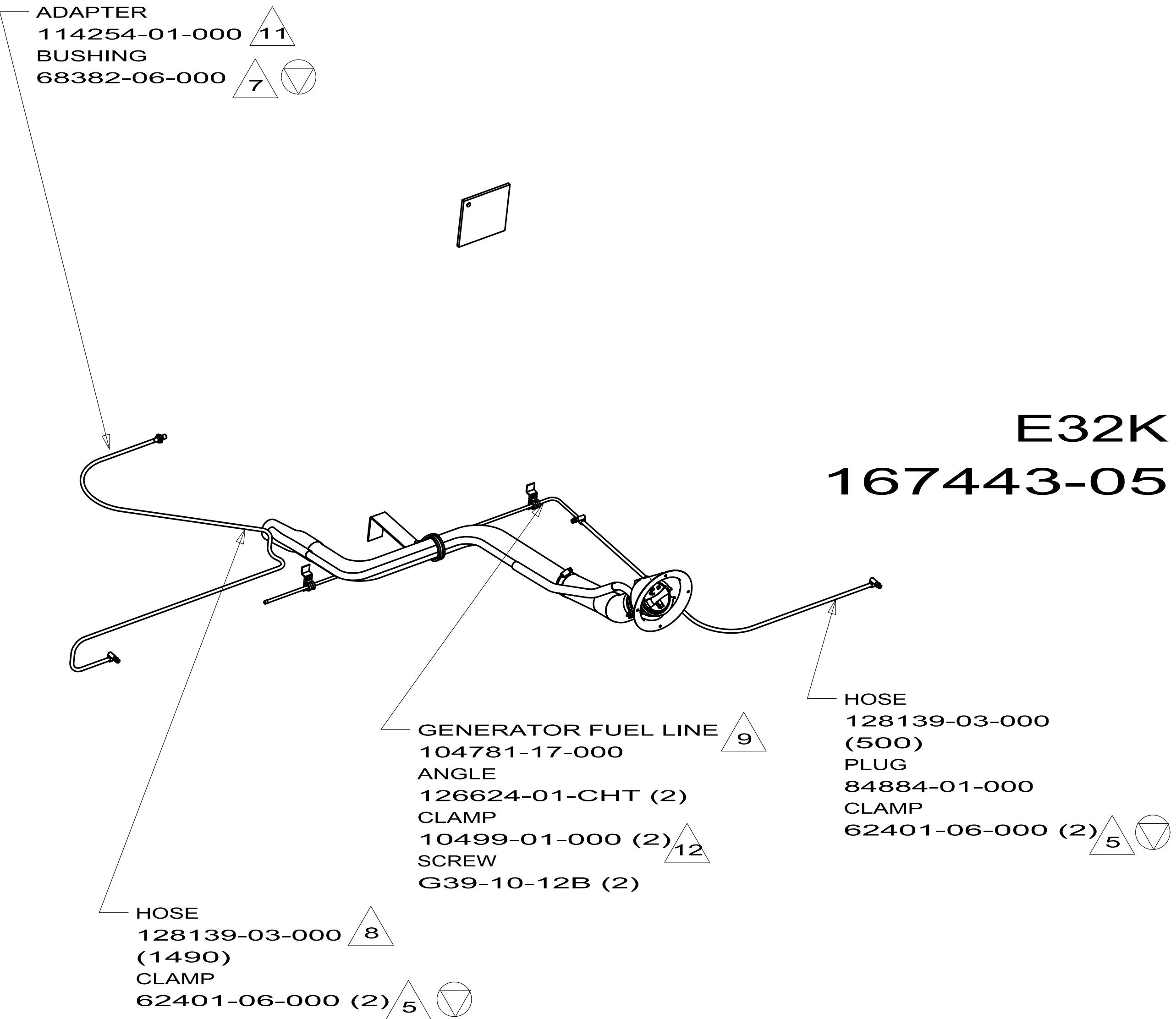


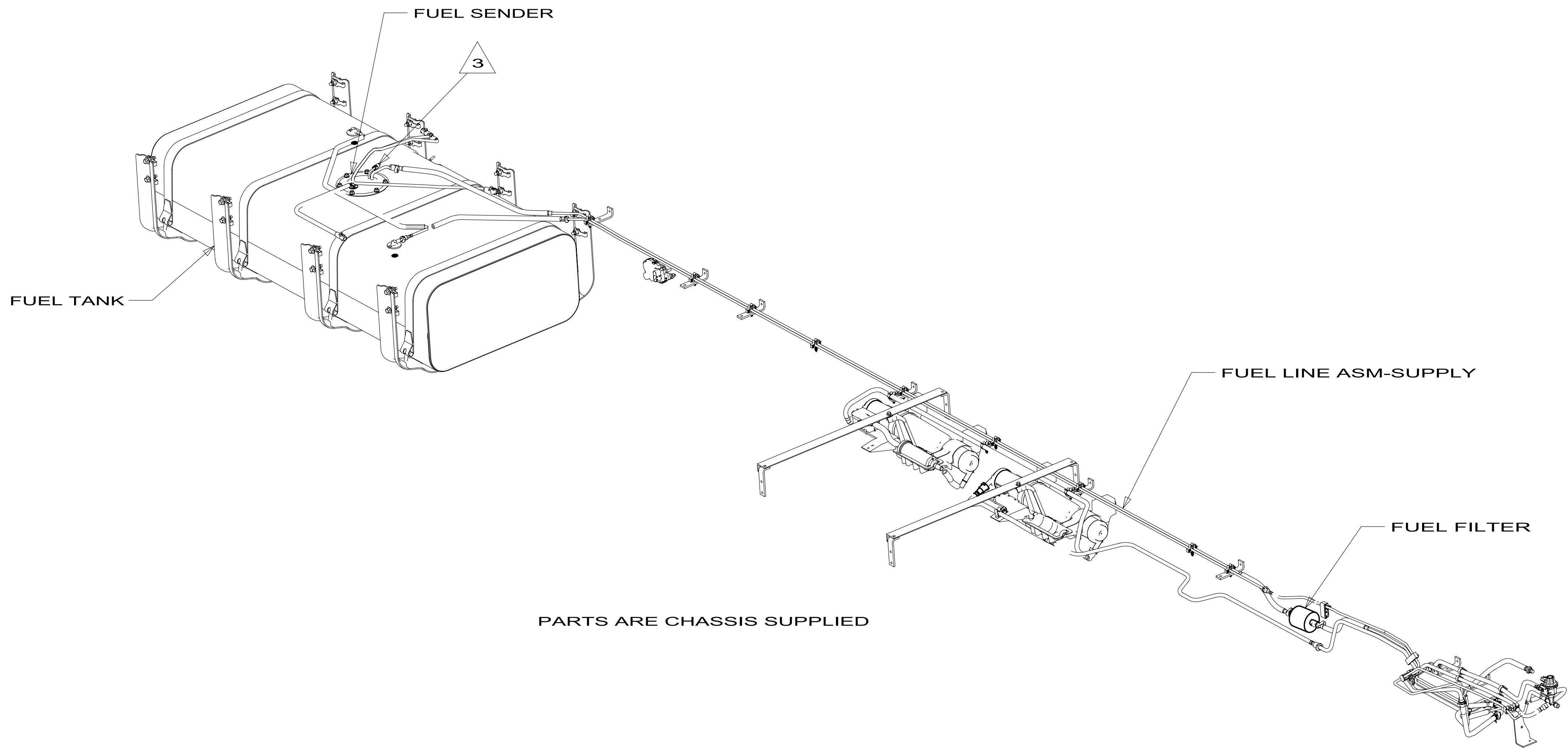
INDICATES CRITICAL SAFETY
PROCEDURE TO BE FOLLOWED

E32K
167443-05

E32K
208" WHEELBASE
LH GENERATOR

FIRST USED			09 WH
DO NOT SCALE DRAWING			
TITLE:			FUEL SYSTEM INSTL-FUEL FILL
SHEET 5	PART NO	167443	REV

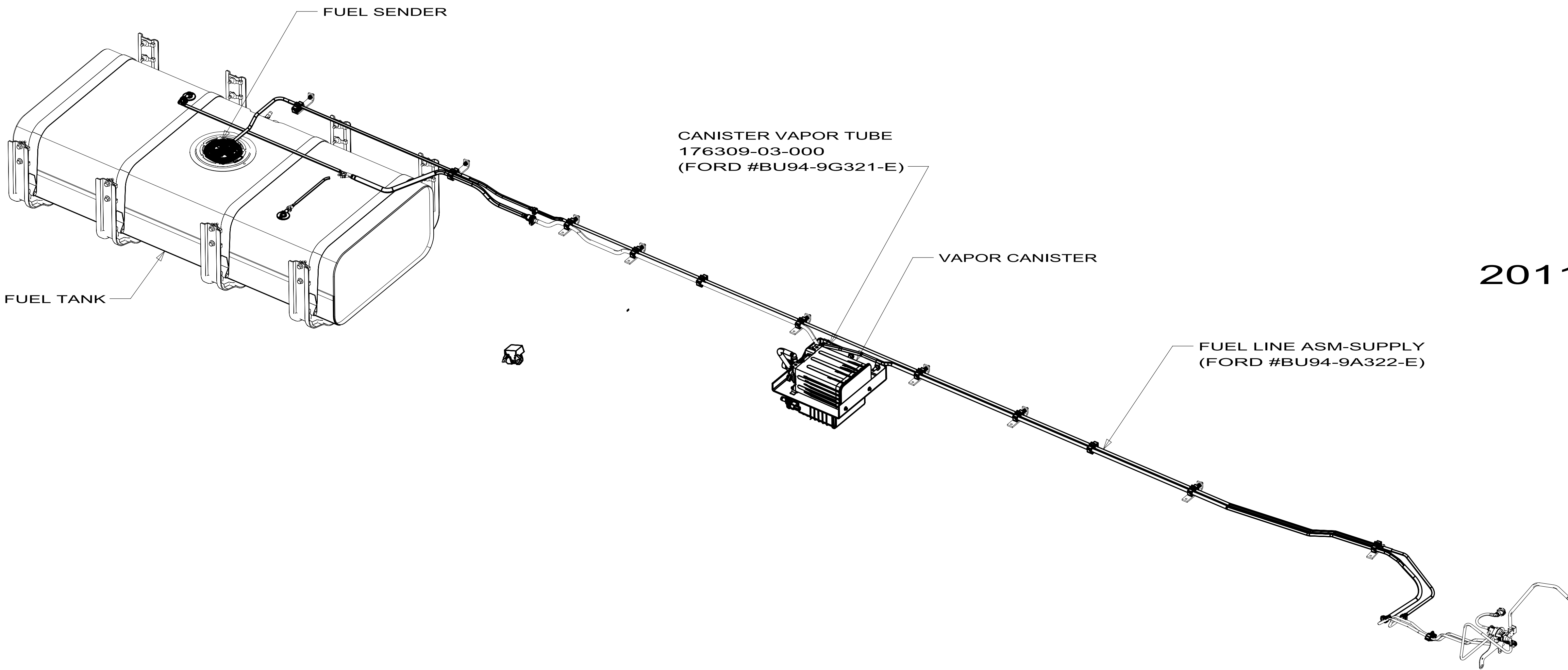




D31E
E32K
155029-02

208" WHEELBASE
208" BASE CHASSIS

FIRST USED		
2006 F53 FORD		
DO NOT SCALE DRAWING		
TITLE:		
FUEL SYSTEM INSTL-SUPPLY		
SHEET 2	PART NO 155029	REV



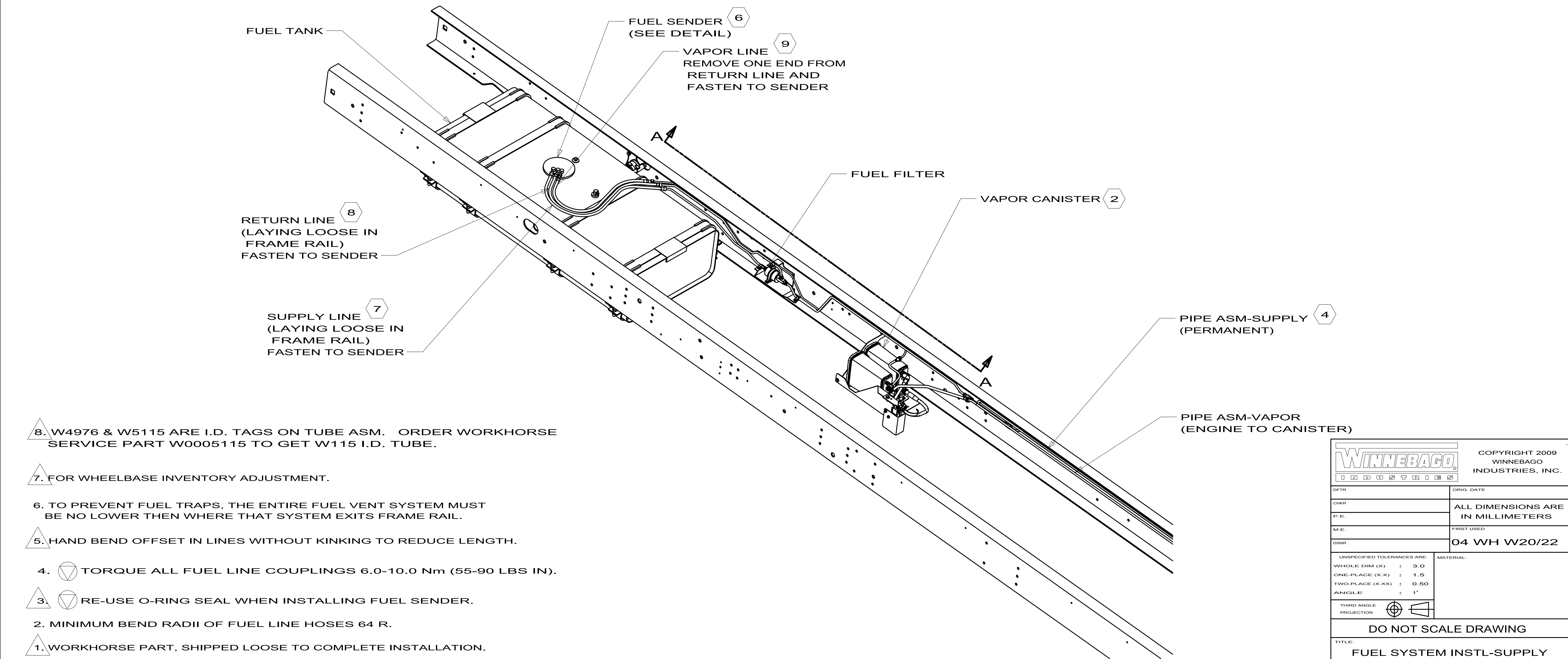
D31E
E32K
J35Z
175442-03
2011 FORD CHASSIS

208"WHEELBASE
208" BASE CHASSIS

FIRST USED		11 FD MH	
DO NOT SCALE DRAWING			
TITLE: FUEL SYSTEM INSTL-SUPPLY			
SHEET 3		PART NO 175442	REV

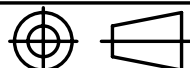
8		7		6	5	4	3	2	1	
DWG NO	WHEEL BASE	FUEL LINE ASM-SUPPLY		TUBE-EVAP EMIS, CANISTER						
149048-01	190"	-----		-----		E30W				
149048-02	208"	-----		-----		D31E D33C E32K				
149048-03	190" TO 220"	98759-05-000		148192-02-000		NOT USED				
149048-04	208" TO 220"	98759-01-000		148192-02-000		J32H				
149048-05	228"	-----		-----		D35J, J35P, J35Z				
149048-06	228" TO 248"	98759-02-000		148192-04-000		D37L J37F J38N				
149048-07	228" TO 266"	98759-09-000		148192-05-000		NOT USED				
149048-08	158.5"	-----		-----		E26P				
149048-09	190" TO 208"	98759-02-000 		148192-06-000		NOT USED				
149048-10	208" TO 228"	98759-02-000		148192-03-000		 J35Z,J35P STRETCH				
149048-11	228" TO 220"	REPLACE W4976 (228) WITH W5115(208) ADD 98759-01-000 		148192-02-000		 NOT USED				
149048-12	228" TO 208"	REPLACE W4976 (228) WITH W5115(208) ADD 98759-01-000 		148192-06-000		 NOT USED				

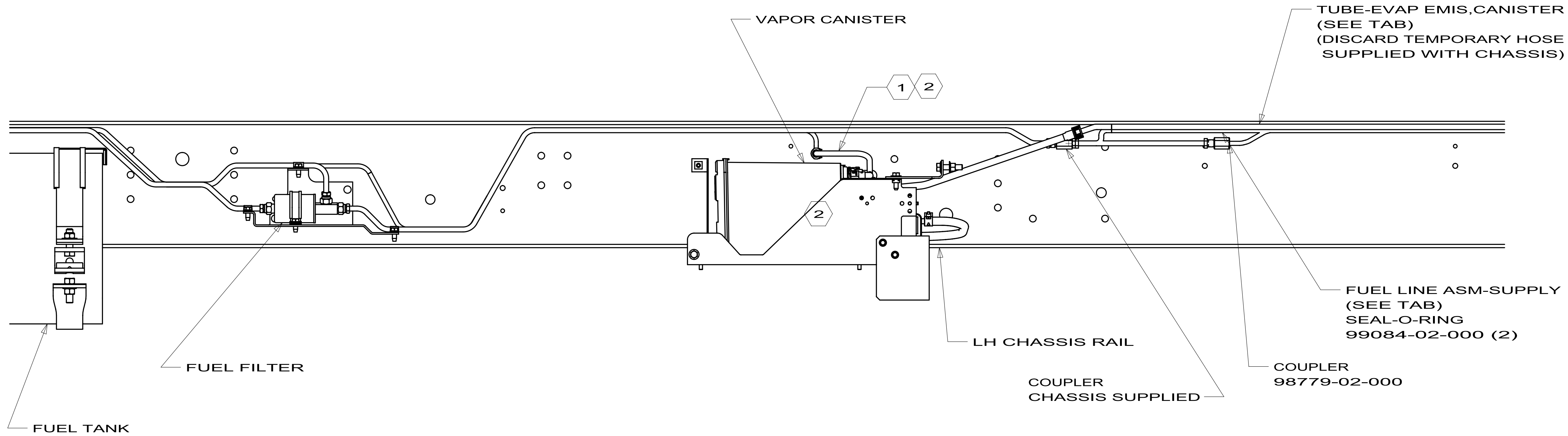
RELEASE		REV	DATE	DWG NO		149048	
REV	ZONE	REVISION RECORD			DATE	DFT-ORIG	



-  8. W4976 & W5115 ARE I.D. TAGS ON TUBE ASM. ORDER WORKHORSE SERVICE PART W0005115 TO GET W115 I.D. TUBE.
-  7. FOR WHEELBASE INVENTORY ADJUSTMENT.
6. TO PREVENT FUEL TRAPS, THE ENTIRE FUEL VENT SYSTEM MUST BE NO LOWER THEN WHERE THAT SYSTEM EXITS FRAME RAIL.
-  5. HAND BEND OFFSET IN LINES WITHOUT KINKING TO REDUCE LENGTH.
4.  TORQUE ALL FUEL LINE COUPLINGS 6.0-10.0 Nm (55-90 LBS IN).
-  3.  RE-USE O-RING SEAL WHEN INSTALLING FUEL SENDER.
2. MINIMUM BEND RADII OF FUEL LINE HOSES 64 R.
-  1. WORKHORSE PART, SHIPPED LOOSE TO COMPLETE INSTALLATION.

NOTES:

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DFT-OR		ORIG. DATE	
CHK-OR		ALL DIMENSIONS ARE IN MILLIMETERS	
P.E.			
M.E.		FIRST USED	
DSNR		04 WH W20/22	
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X) ± 3.0			
ONE-PLACE (X.X) ± 1.5			
TWO-PLACE (X.XX) ± 0.50			
ANGLE ± 1°			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE:			
FUEL SYSTEM INSTL-SUPPLY			
SHEET 1 OF 2		PART NO	149048
		REV	



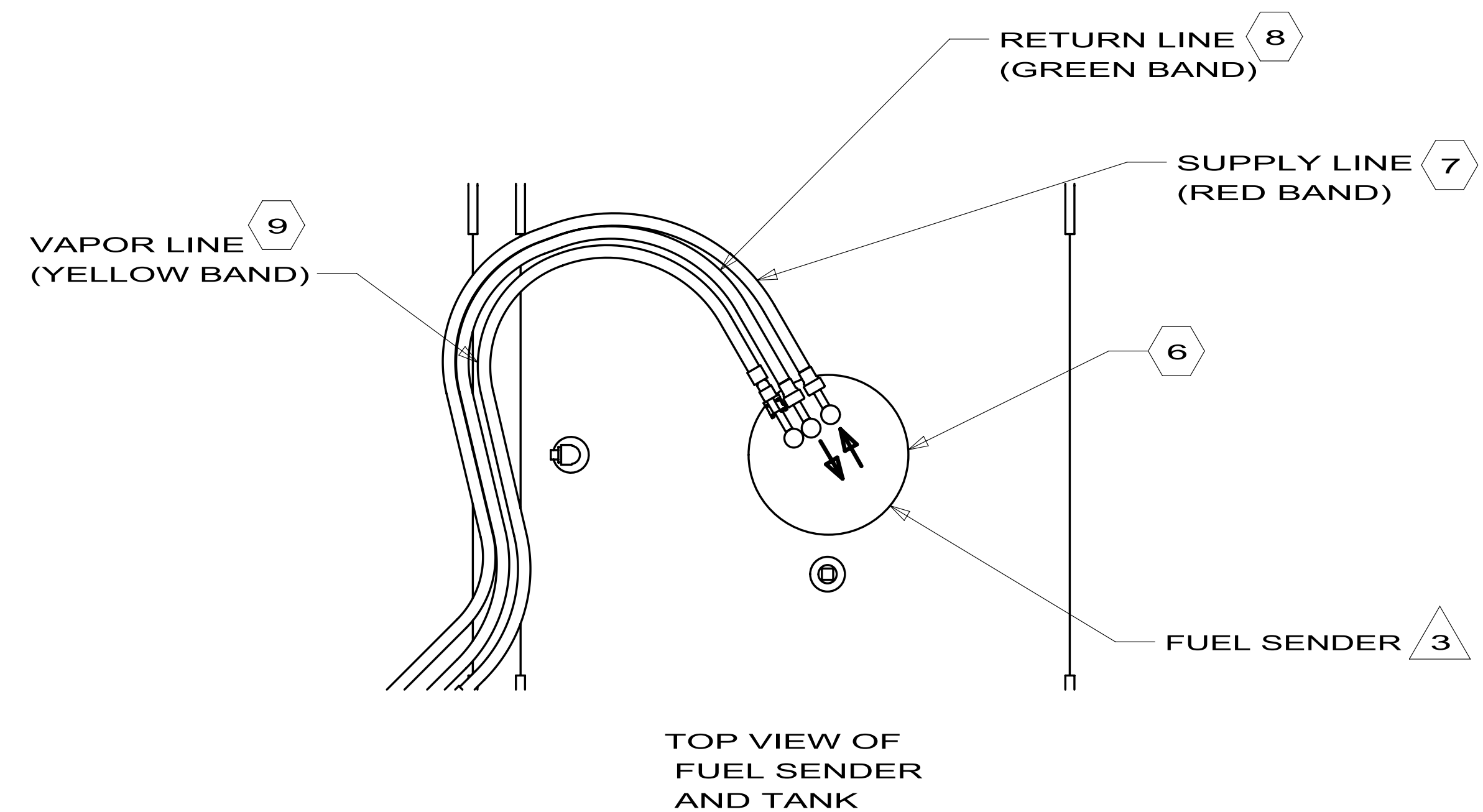
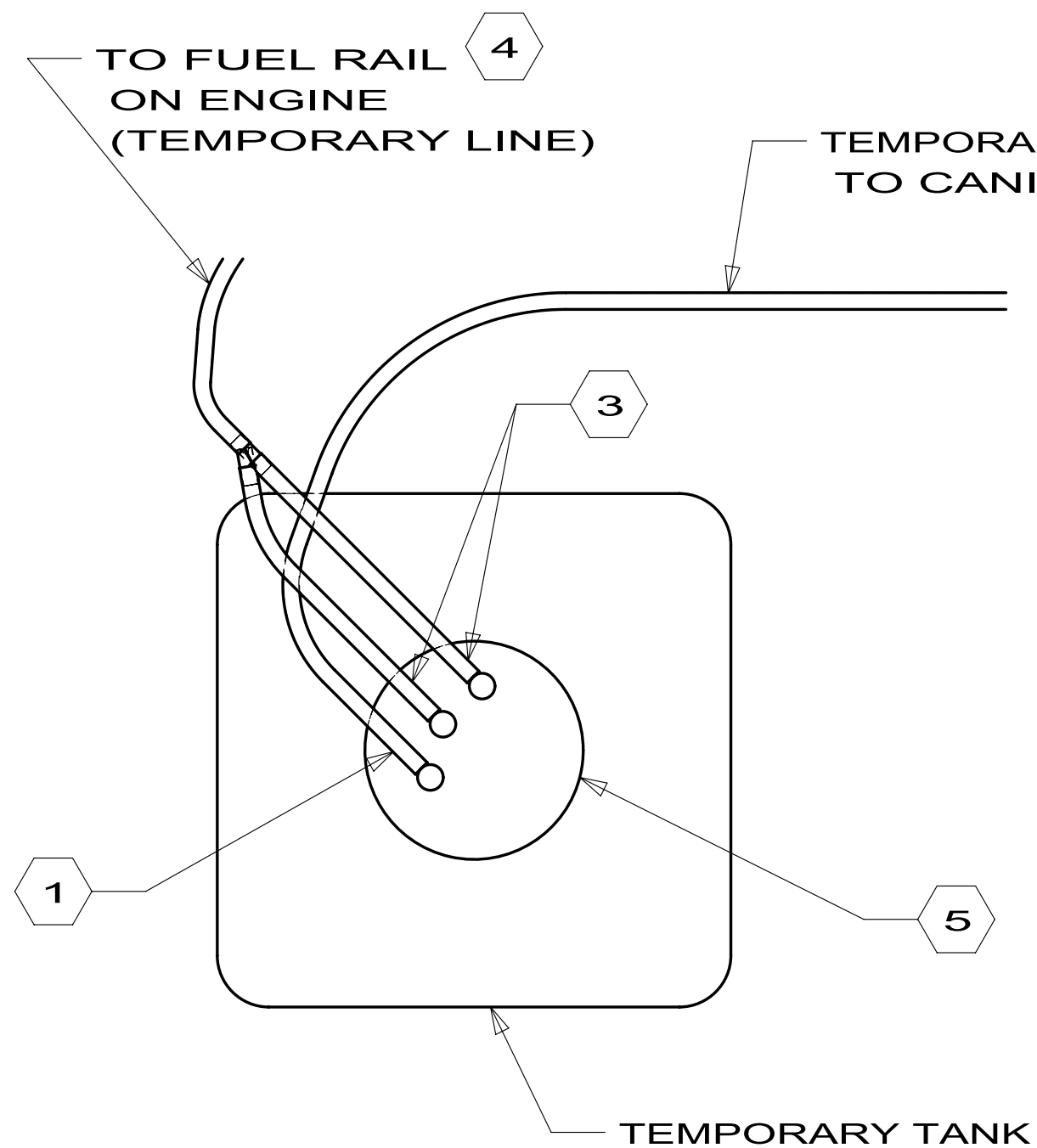
VIEW A-A
STRETCH DETAIL

Conversion Temporary to Final Fuel System

Relieve fuel pressure from system (service port on engine right fuel rail or run engine without electrical connection to pump/sender; see service manual @ Chassis Warranty)

- 1 Temporary hose from sender in temporary tank to vapor canister
Disconnect both ends; remove from chassis and discard
 - 2 Vapor Canister
Remove plastic bag from permanent vapor line fitting
Connect permanent fitting to canister port (temporary hose disconnected)
 - 3 Fuel Sender temporary feed/return hoses to wye with green retainer clips
Release clips and push thru opposite side of connector
Pull fittings loose
 - 4 Fuel rail on engine
Disconnect temporary line (from fuel sender/wye) and discard
Remove cap from permanent supply line; Connect line at rail
 - 5 Fuel Sender, temporary tank, hoses disconnected
Remove retaining ring; carefully remove sender
 - 6 Fuel tank, chassis mounted between frame rails, aft of axle
Remove retaining ring, discard temporary block off plate
Carefully install sender, index in notch, install retaining ring
- 1 Chassis Fuel Lines at tank

- 7 Black Braid hose, Red FEED tag; connect to sender port arrow out (to end)
- 8 Black Braid hose, Green RETURN tag; connect to sender port arrow in (to center)
- 9 Black Plastic tube; connect to remaining sender port



TOP VIEW OF
FUEL SENDER
AND TANK

FIRST USED		04 WH W20/22	
DO NOT SCALE DRAWING			
TITLE: FUEL SYSTEM INSTL-SUPPLY			
SHEET 2	PART NO	149048	REV

8		7		6		5		4		3		2		1	
DWG NO	UNIT	WHEELBASE	CHASSIS	GVWR	TIRE SIZE	FRONT JACK DETAIL	REAR JACK DETAIL	SHEET							
173520-01	E26P	158.5"	WH W16	16,000#	19.5"	C	D	2,3,6,7,9							
173520-02	E26P	158.5"	FORD F53	18.000#	19.5"	J	K	2,3,4,6,7,9							
173520-03	E30W	190"	WH W18/20	18,000#/20,500#	19.5"	C OR E	D OR F	2,3,4,6,7,9							
173520-04	E30W	190"	FORD F53	18,000#	19.5"	J	K	2,3,4,6,7,9							
173520-05	D31E/E32K	208"	WH W20/22	20,500#/22,000#	19.5"	E	F	2,3,4,6,7,9							
173520-06	D31E/E32K	208"	FORD F53	22,000#	19.5"	J	K	2,3,4,6,7,9							
173520-07	D33C	220"	WH W20/22	20,500#/22,000#	19.5"	E	F	2,3,4,6,7,9							
173520-08	D33C	220"	FORD F53	22,000#	19.5"	J	K	2,3,4,6,7,9							
173520-09	D35J	228"	WH W22	22,000#	22.5"	G	H	2,3,4,6,7,9							
173520-10	D35J	228"	FORD F53	22,000#	19.5"/22.5"	J OR L	K OR M	2,3,4,6,7,9							
173520-11	D37L	248"	WH W22	22,000#	22.5"	G	H	2,3,4,6,7,9							
173520-12	D37L	248"	FORD F53	22,000#	22.5"	L	M	2,3,4,6,7,9							

21

CLAMP OR WIRE TIE ALL HOSES AT 900 mm MAXIMUM INTERVALS AND WHERE NECESSARY TO PREVENT HOSES FROM CONTACTING MOVING PARTS OR HEAT PRODUCING ITEMS.

20

RUN RIGHT FRONT JACK HOSES AND BATTERY POWER CABLE IN CHANNEL ASSEMBLY. WRAP WIRE TIES 008343-04-000 AROUND CHANNEL APPROXIMATELY 200 mm APART TO SECURE HOSE AND WIRES.

19

USE PLUG 061420-15-000 WHEN LEVELING SYSTEM IS NOT INSTALLED.

18

HOSE MARKING: HOSES ARE LABELED AT EACH END WITH POWER GEAR PART NUMBER, LENGTH OF HOSE AND JACK LOCATION.

17

MOUNT CONTROL MODULE SO THAT ARROW IS POINTING TO FRONT OF VEHICLE.

16

TO SET LEVEL SENSOR IN THE CONTROL MODULE REFER TO THE POWER GEAR SET-UP AND CALIBRATION PROCEDURE.

15

TO FILL THE HYDRAULIC RESERVOIR REFER TO THE POWER GEAR OIL FILL AND PURGE PROCEDURE.

14

SEE WIRING INSTL-FRONT END FOR "JACK DOWN" LIGHT AND PARK BRAKE WIRING.

13

ROTATE RIGHT REAR JACK SPRING 90° ON D35J TO AVOID COMPARTMENT. TORQUE SPRING BOLT TO 30-33 FT LBS.

12

ROTATE LEFT REAR JACK SPRING 90° ON WORKHORSE CHASSIS TO AVOID FUEL FILL NECK. TORQUE SPRING BOLT TO 30-33 FT LBS.

11

TORQUE TO 13-17 FT LBS.

10

TORQUE TO 20-25 FT LBS.

9

TORQUE HOSE FITTINGS TO 15-18 FT LBS. FITTINGS TO BE SNUGGED UP THEN BACKED OFF 1/4 TURN THEN TIGHTENED TO TORQUE VALUE.

8

TORQUE FITTINGSA TO JACK TO 13-15 FT LBS.

7

TORQUE TO 100-120 FT LBS.

6

HOSES TO BE BENT NO LESS THAN 1.5 INCH RADIUS TO AVOID KINKS OF FLOW RESTRICTIONS.

5

COIL EXCESS HOSE AND LAY ON TOP OF FUEL TANK. TIE HOSES TOGETHER WITH TIE 008343-04-000.

4

COVER ALL HOSES FULL LENGTH WITH CONDUIT 041953-09-000.

3

FOR INFORMATION ON REMOTE SWITCHES SEE BODY WIRING INSTL-12V.

2

SEE BATTERY INSTALLATION FOR ADDITIONAL INFORMATION.

1

PARTS INCLUDED WITH LEVELING KIT.

NOTES:

INDICATES CRITICAL SAFETY PROCEDURE TO BE FOLLOWED.

Winnebago Industries

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DFT:R

CHRR

P.E.

M.E.

DSNR

ORIG. DATE

ALL DIMENSIONS ARE
IN MILLIMETERS

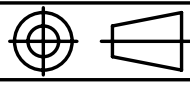
FIRST USED

10 D/E-SERIES

UNSPECIFIED TOLERANCES ARE:
WHOLE DIM (X) : 3
ONE-PLACE (X.X) : 1.5
TWO-PLACE (X.XX) : 0.50
ANGLE : 1°

MATERIAL:

THIRD ANGLE
PROJECTION



DO NOT SCALE DRAWING

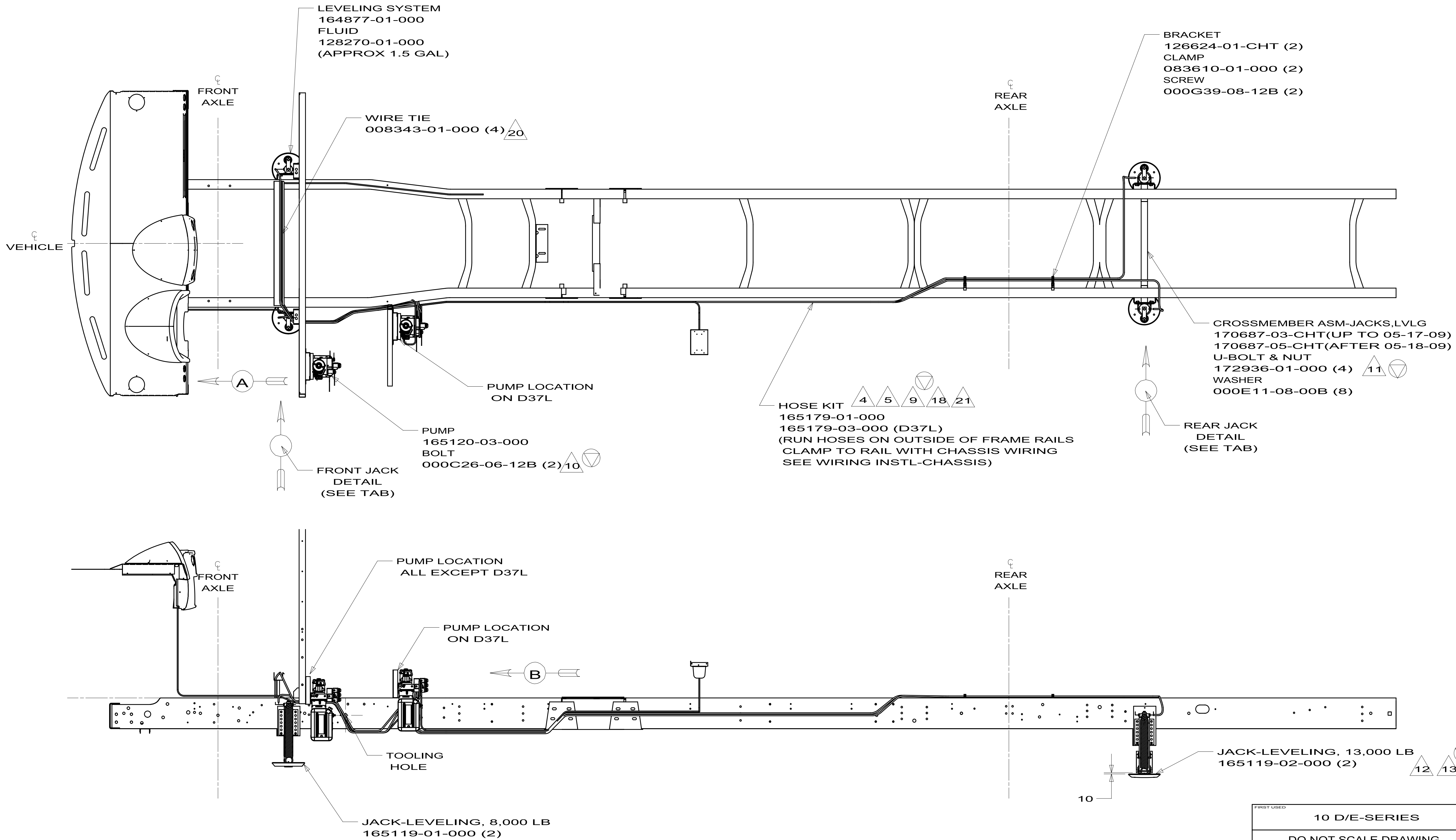
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LEVELING SYSTEM INSTL-P/G

SHEET 1 OF 9PART NO173520REV

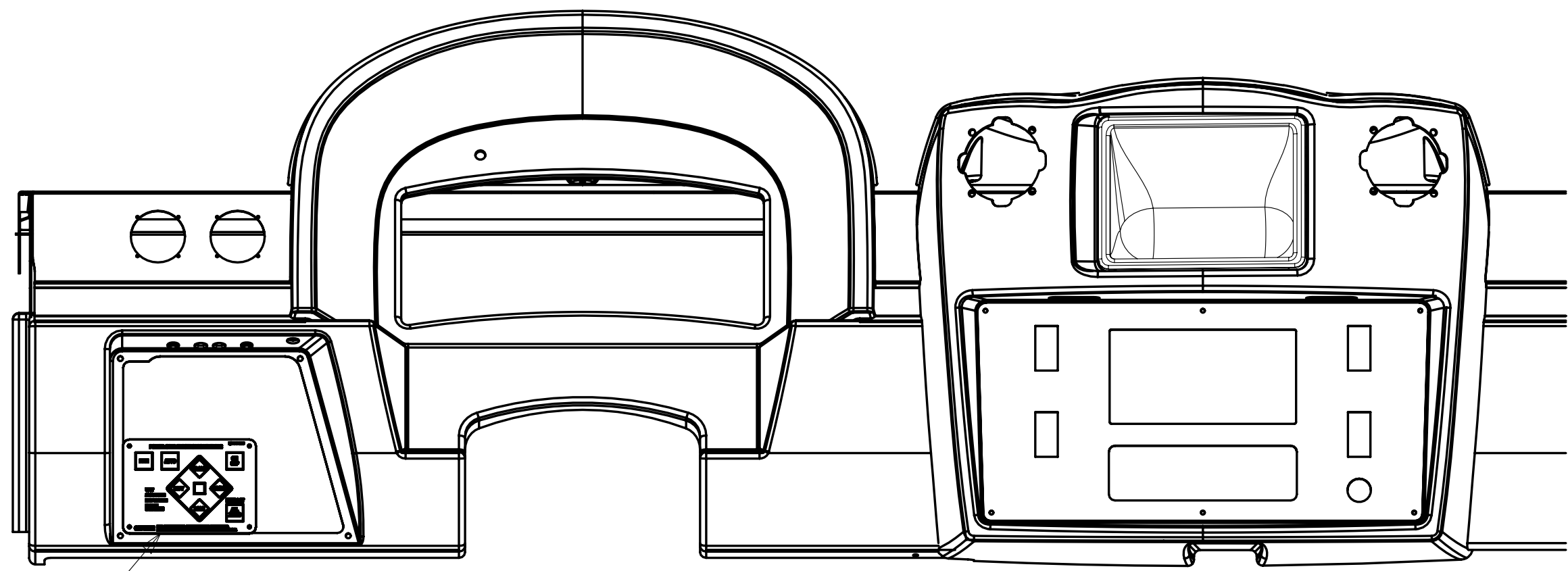
REF:

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10/13/2009

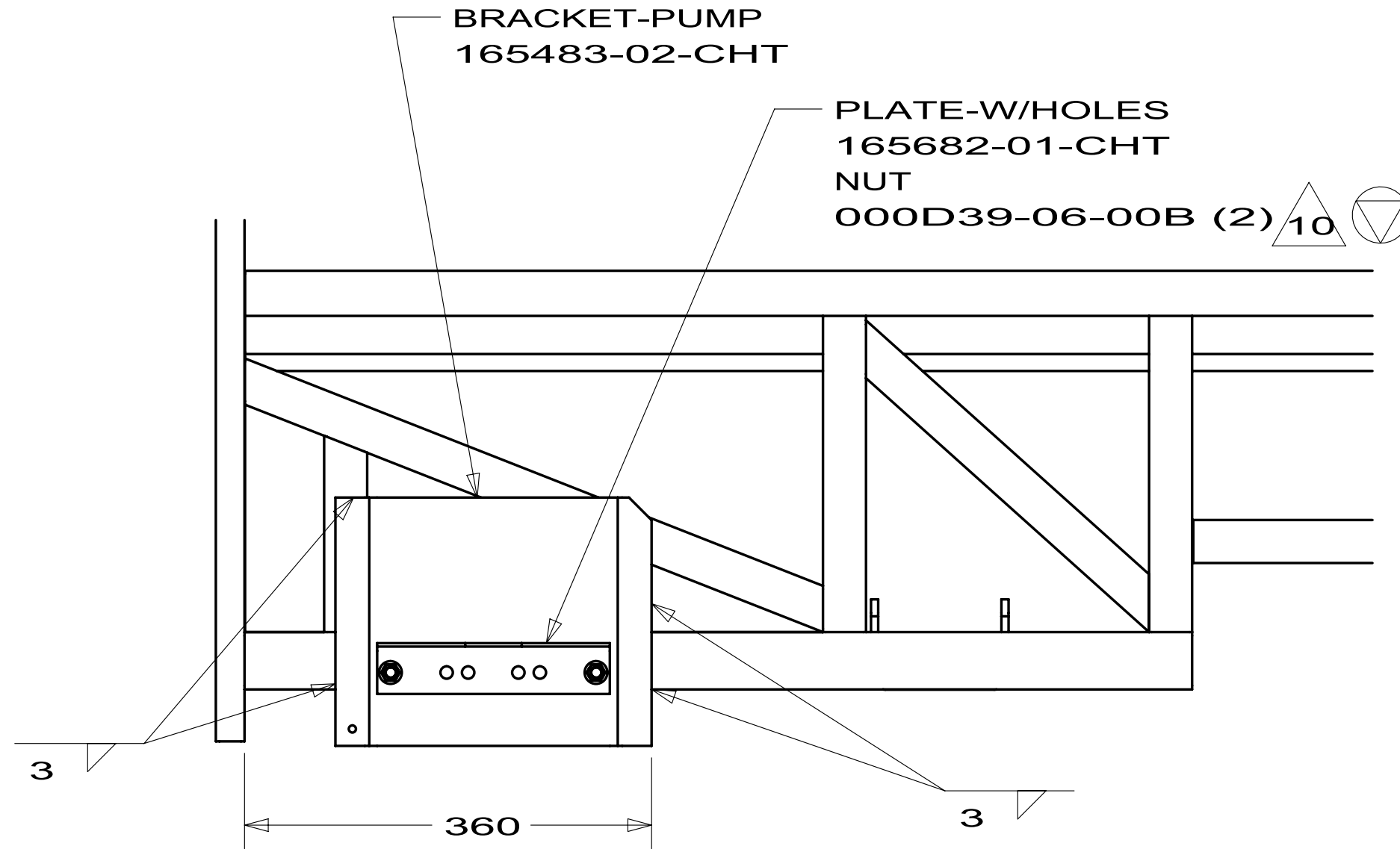


FIRST USED		
10 D/E-SERIES		
DO NOT SCALE DRAWING		
TITLE: LEVELING SYSTEM INSTL-P/G		
SHEET 2	PART NO 173520	REV

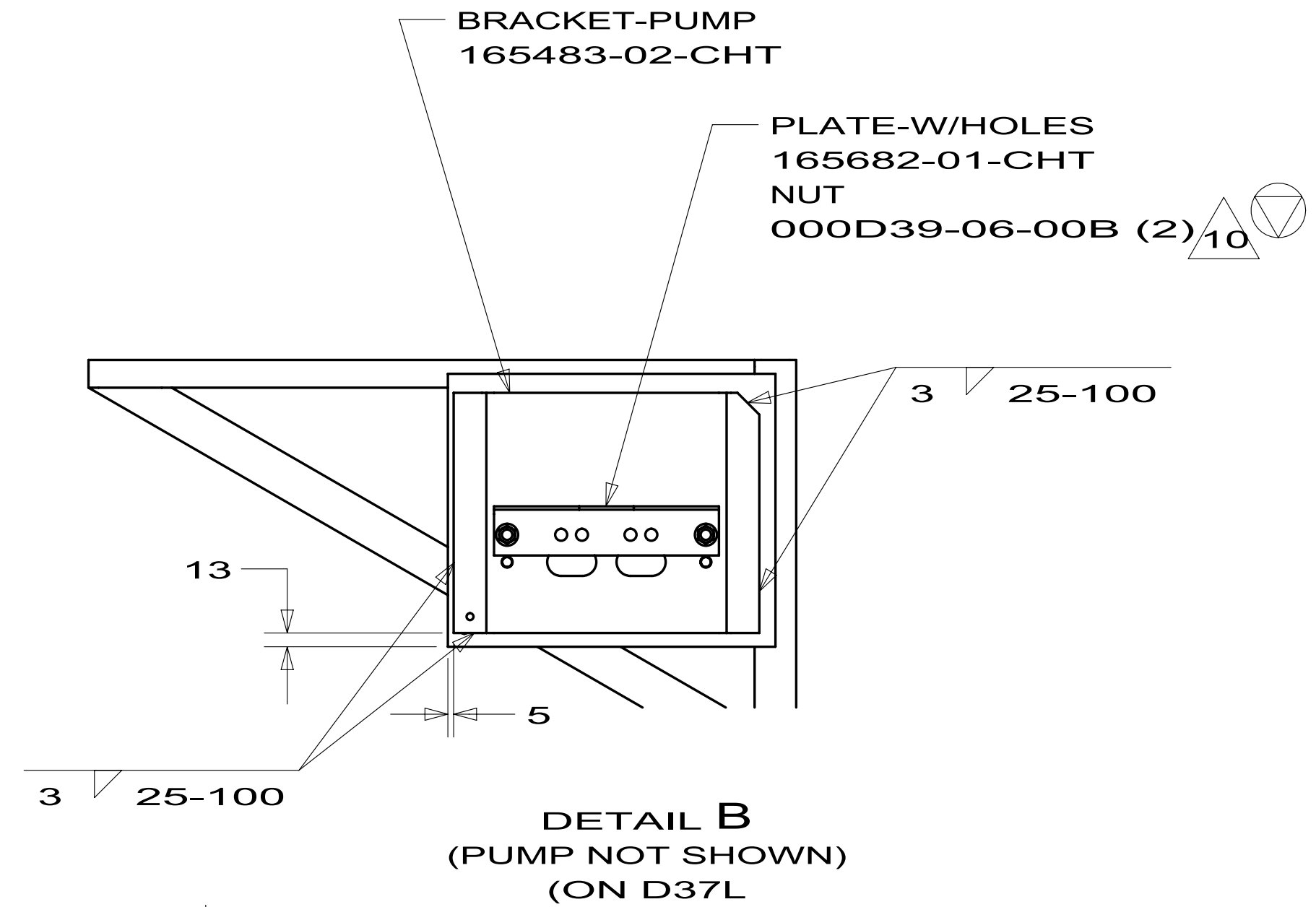


TOUCH PAD-LEVELING SYSTEM
164881-01-000
SCREW
000G11-08-08T (4) 3

DETAIL A

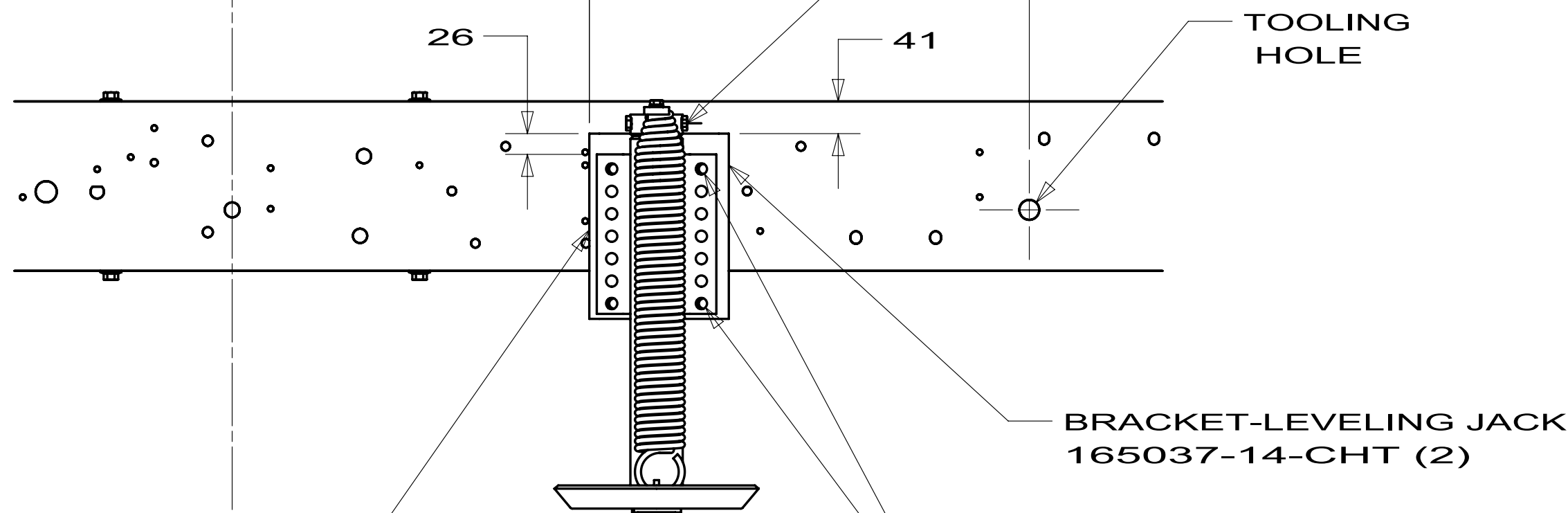


DETAIL B
(PUMP NOT SHOWN)
(ALL UNITS EXCEPT D37L)



DETAIL B
(PUMP NOT SHOWN)
(ON D37L)

FRONT AXLE
455 REF
561
ELBOW HOSE FITTING (1)
(BOTH FRONT JACKS)
(LEFT FACING REAR AND DOWN,
RIGHT FACING FRONT AND UP)

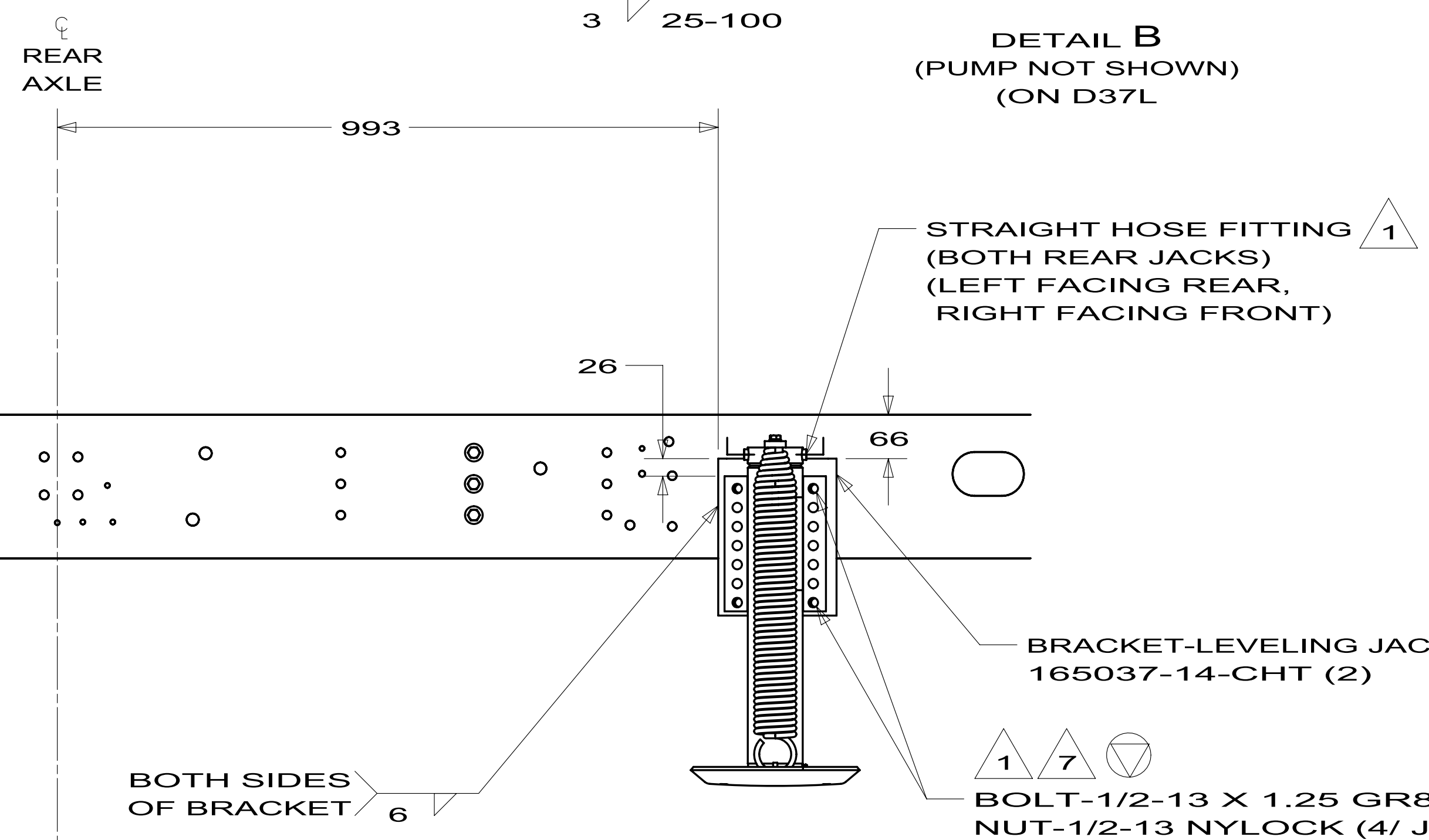


BRACKET-LEVELING JACK
165037-14-CHT (2)

BOLT-1/2-13 X 1.25 GR8 (4/ JACK)
NUT-1/2-13 NYLOCK (4/ JACK)

DETAIL C
(WH W16/18)
(W/ 19.5 TIRES)

BOTH SIDES
OF BRACKET 6



STRAIGHT HOSE FITTING (1)
(BOTH REAR JACKS)
(LEFT FACING REAR,
RIGHT FACING FRONT)

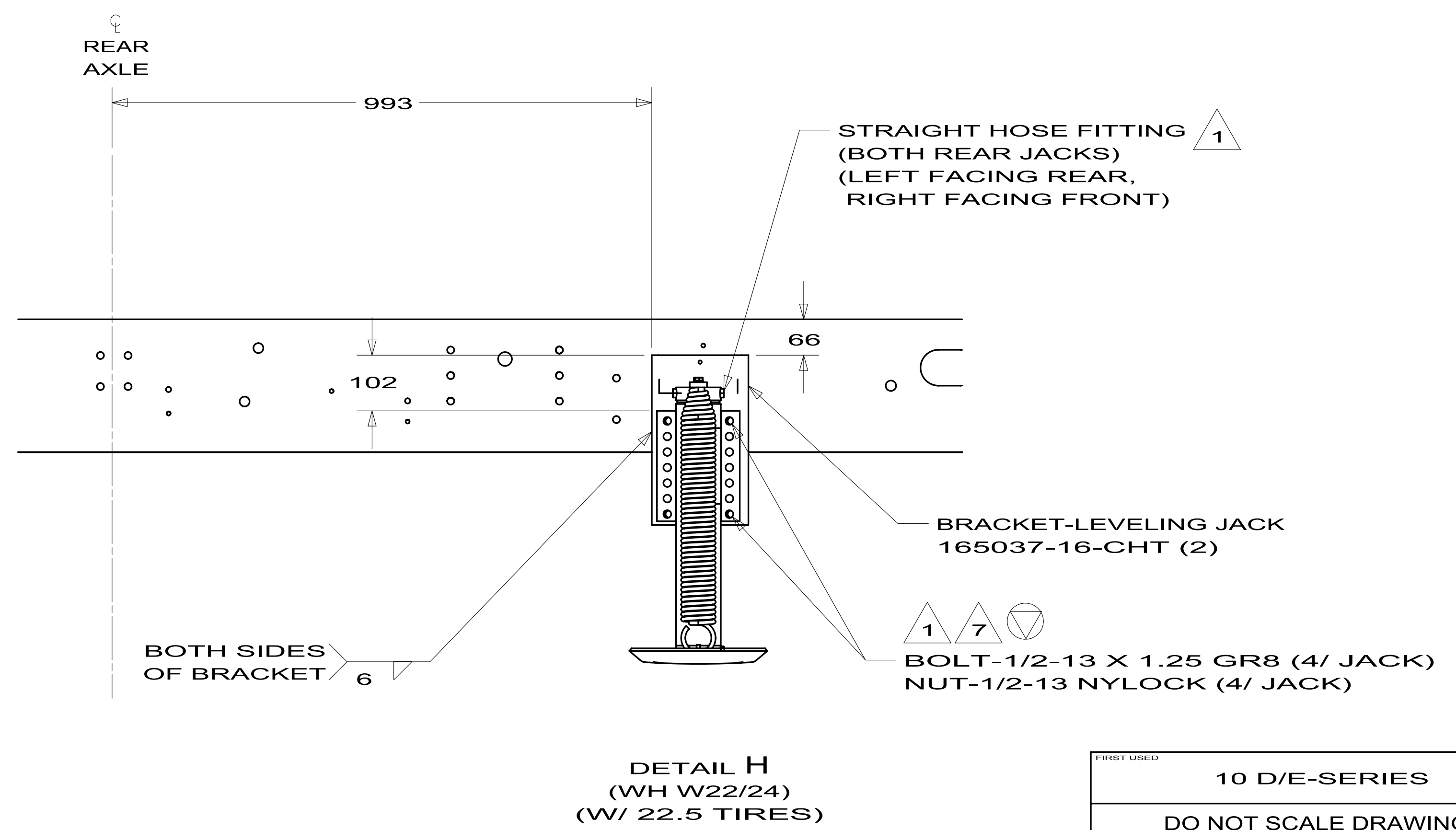
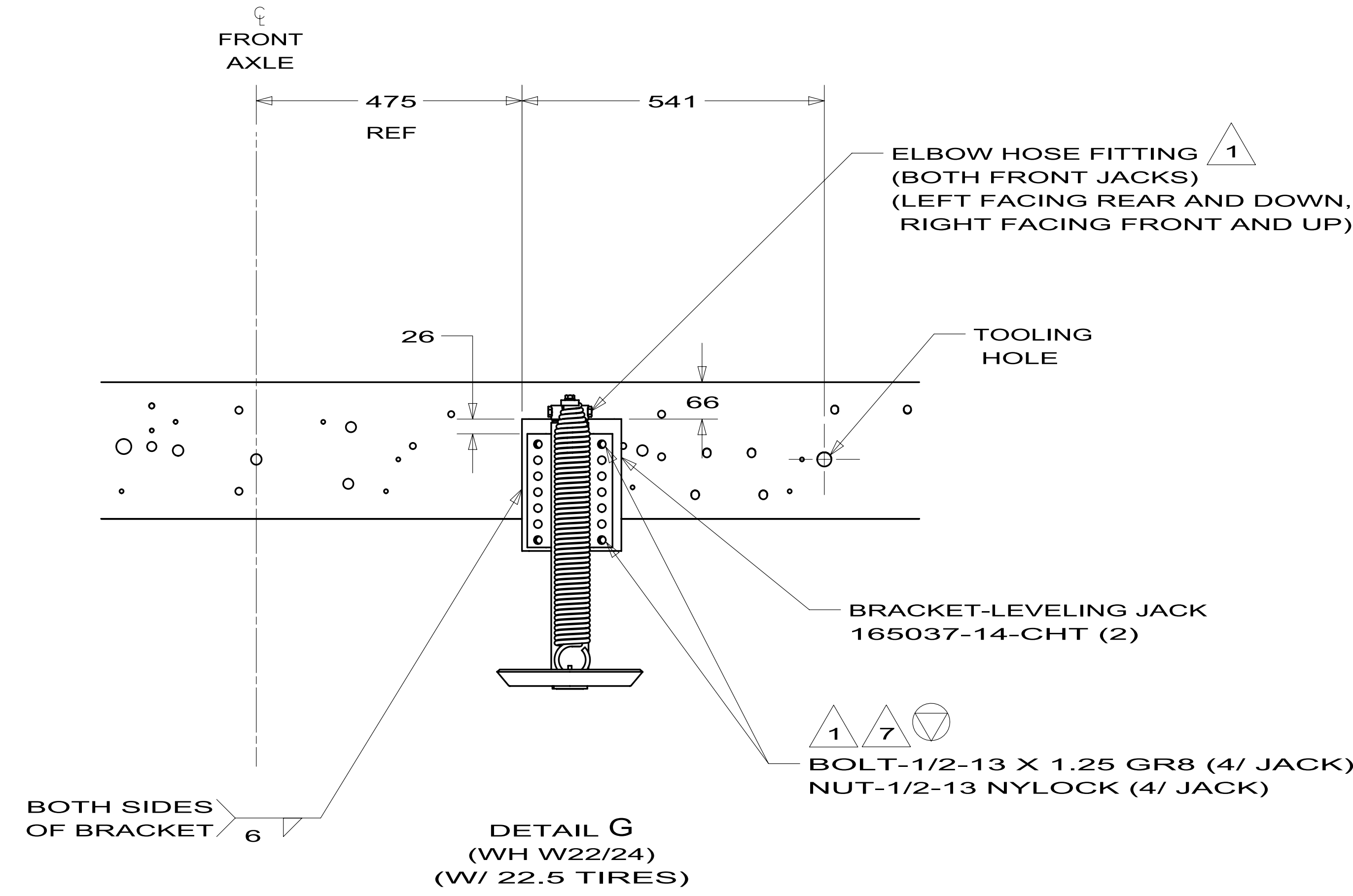
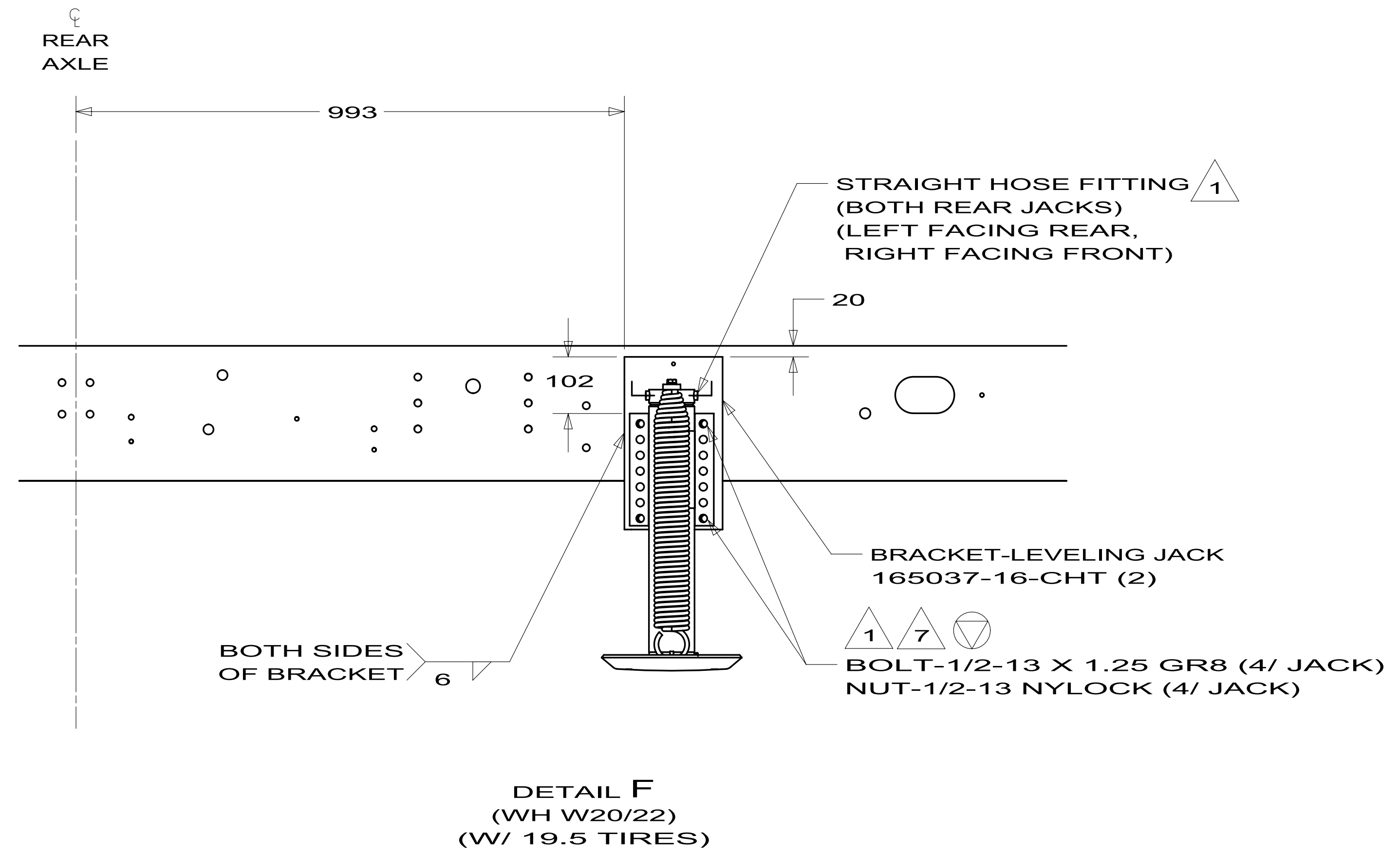
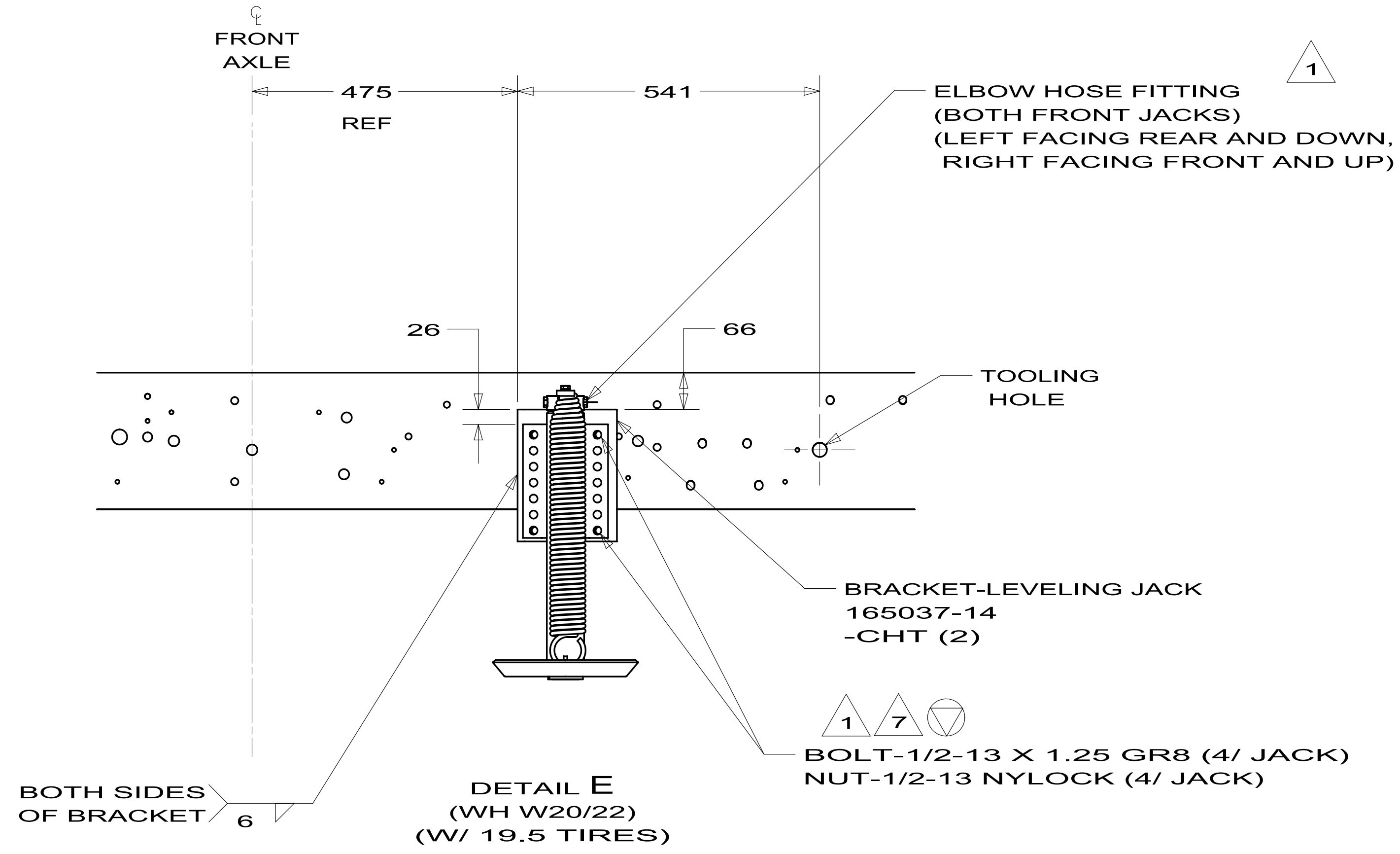
BRACKET-LEVELING JACK
165037-14-CHT (2)

BOLT-1/2-13 X 1.25 GR8 (4/ JACK)
NUT-1/2-13 NYLOCK (4/ JACK)

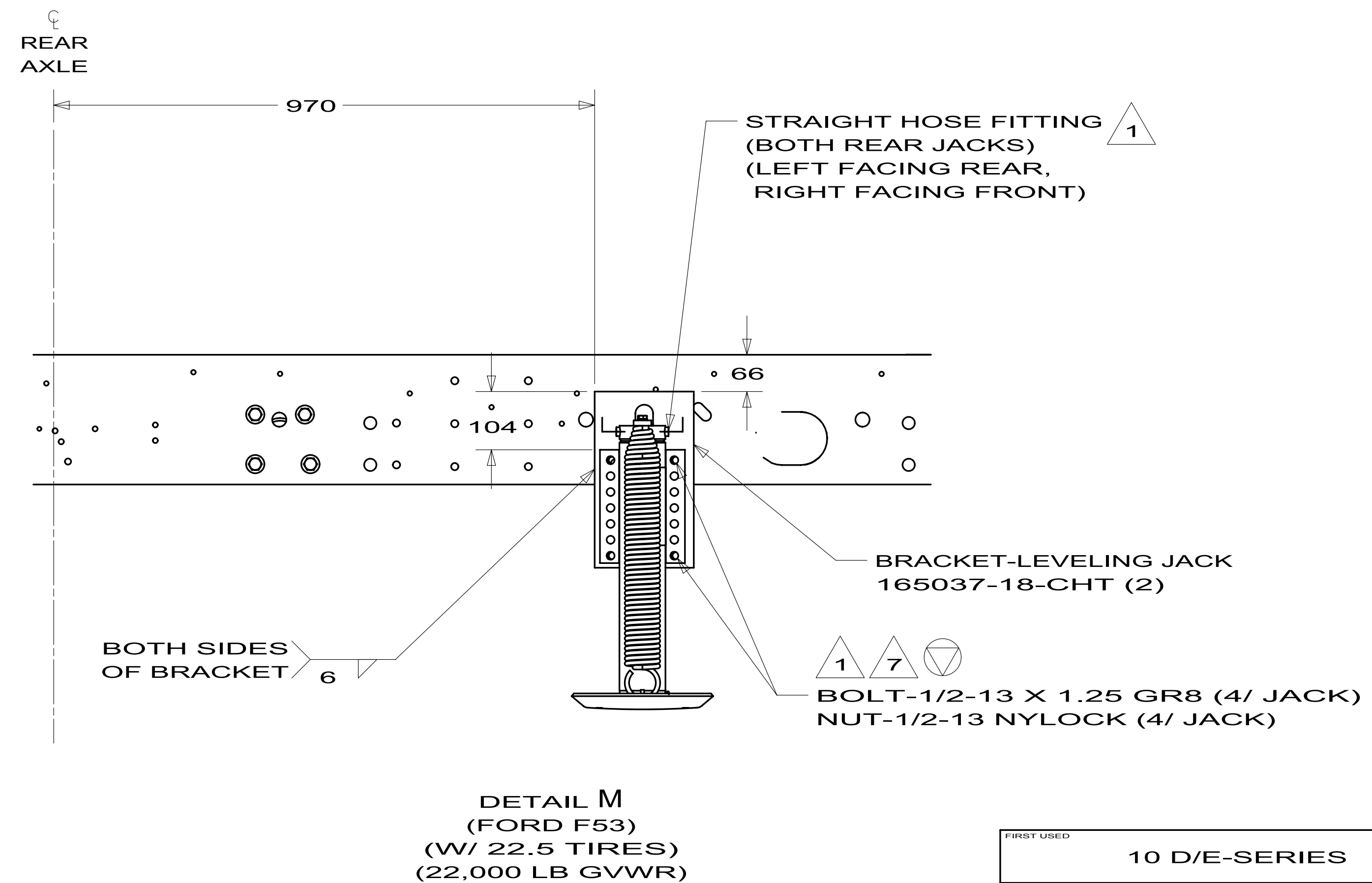
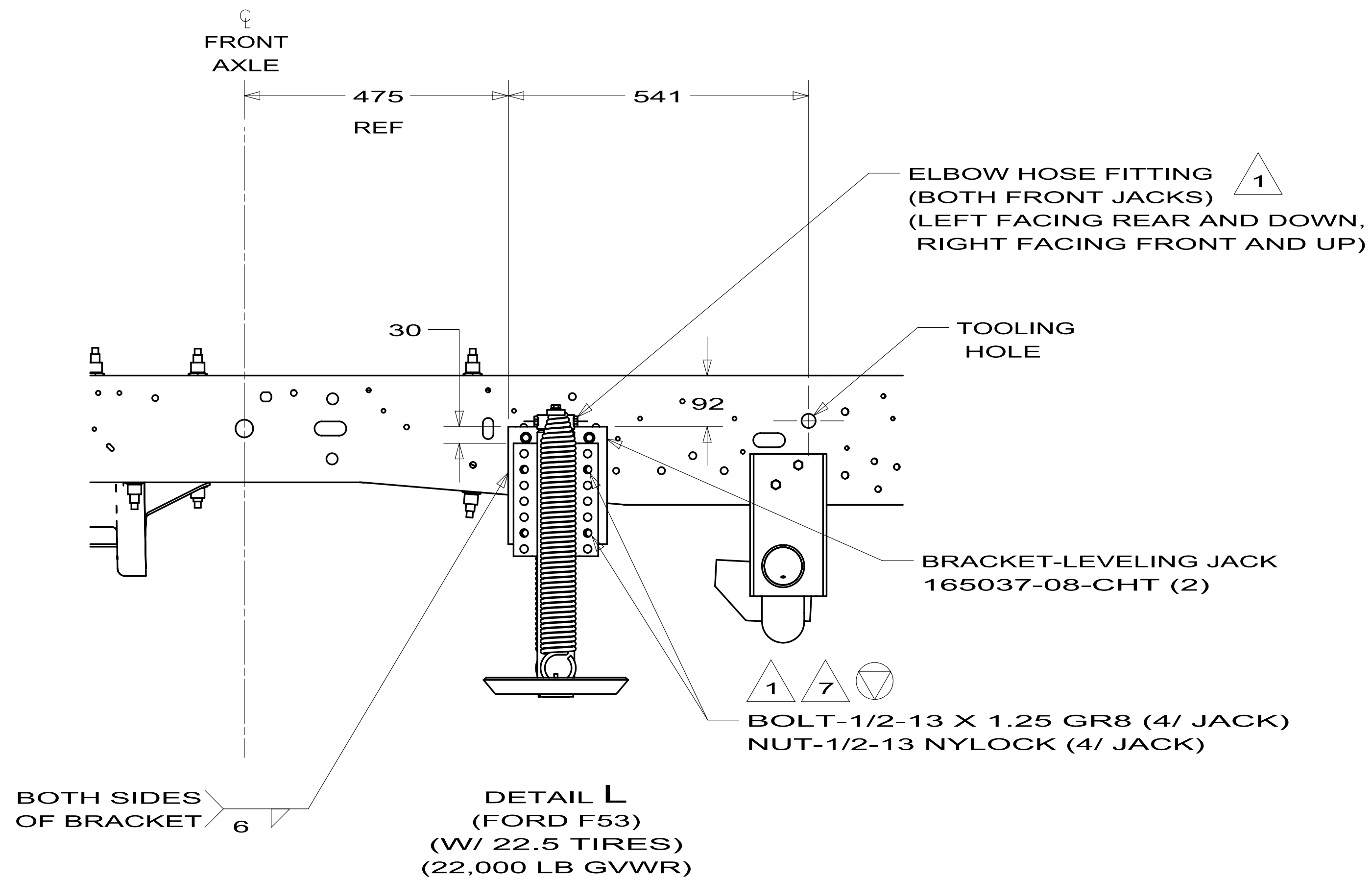
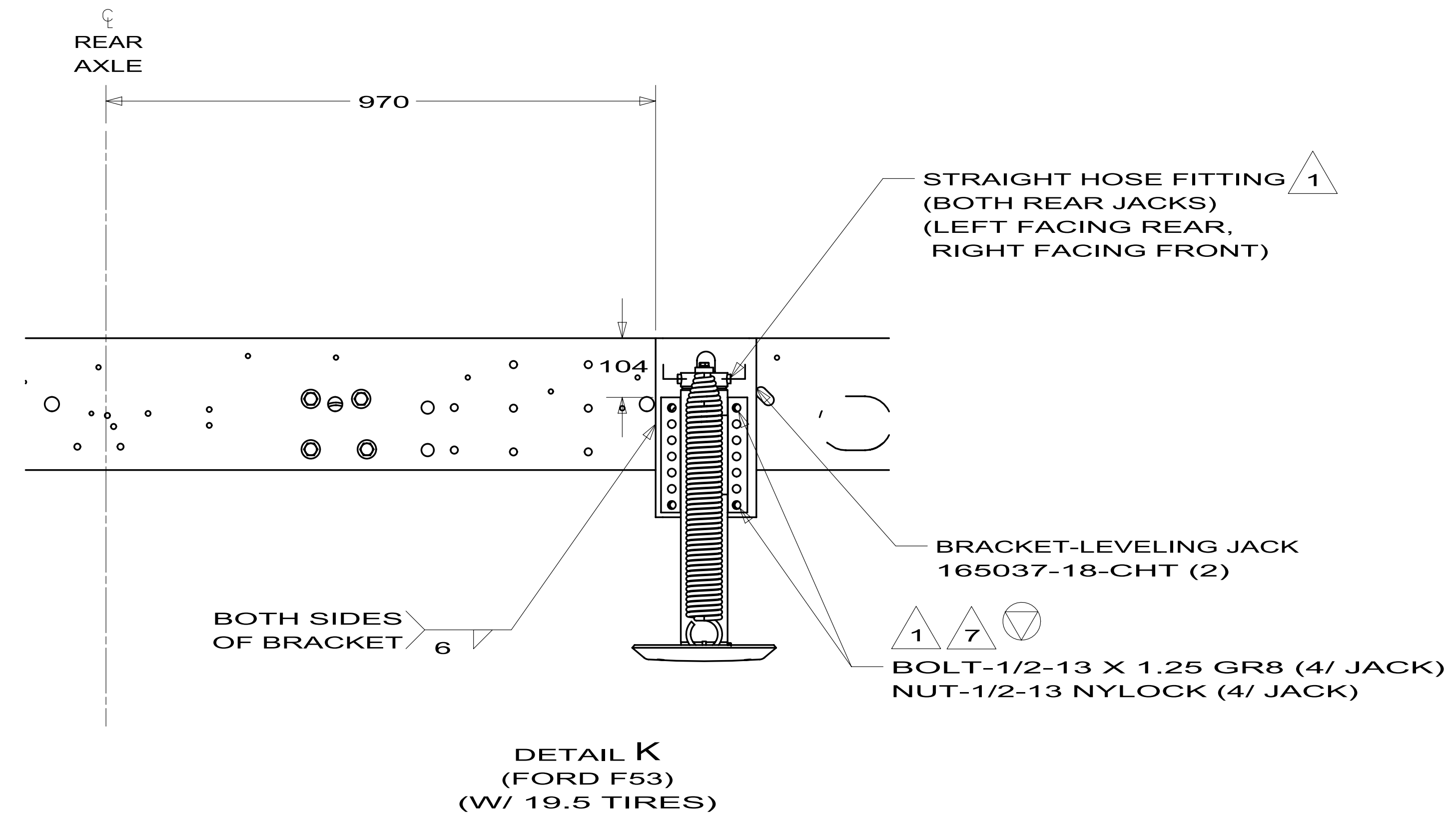
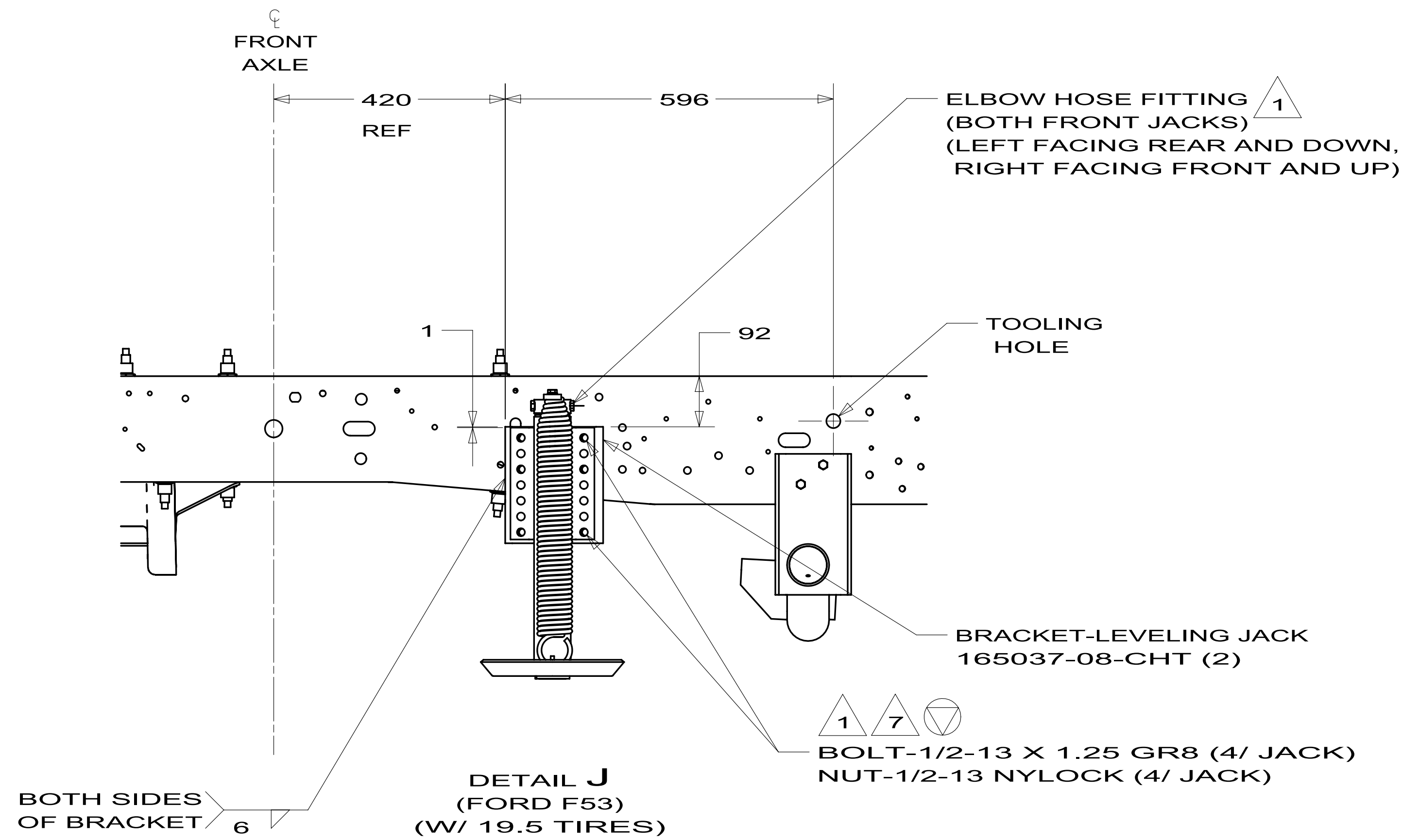
BOTH SIDES
OF BRACKET 6

DETAIL D
(WH W16/18)
(W/ 19.5 TIRES)

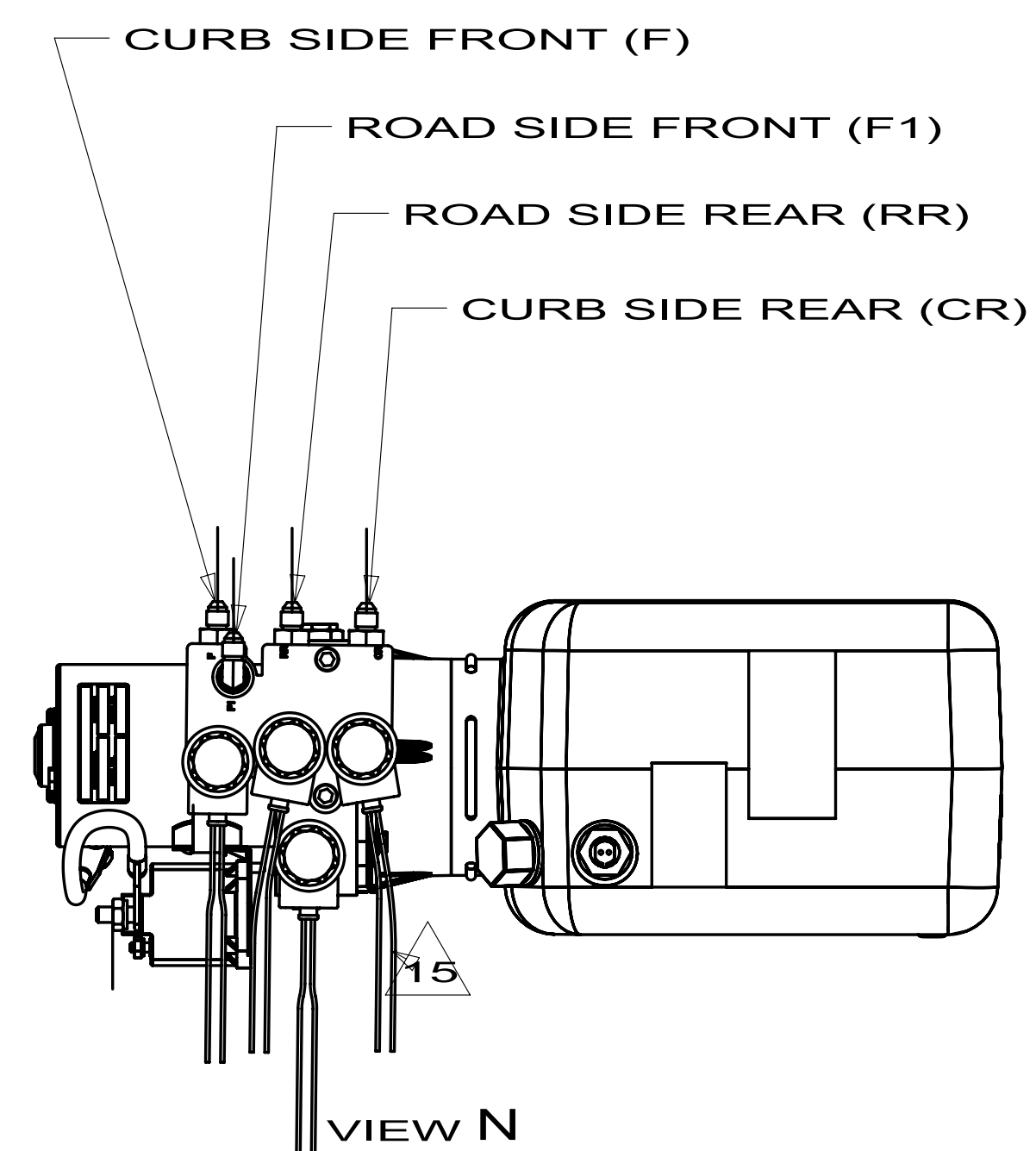
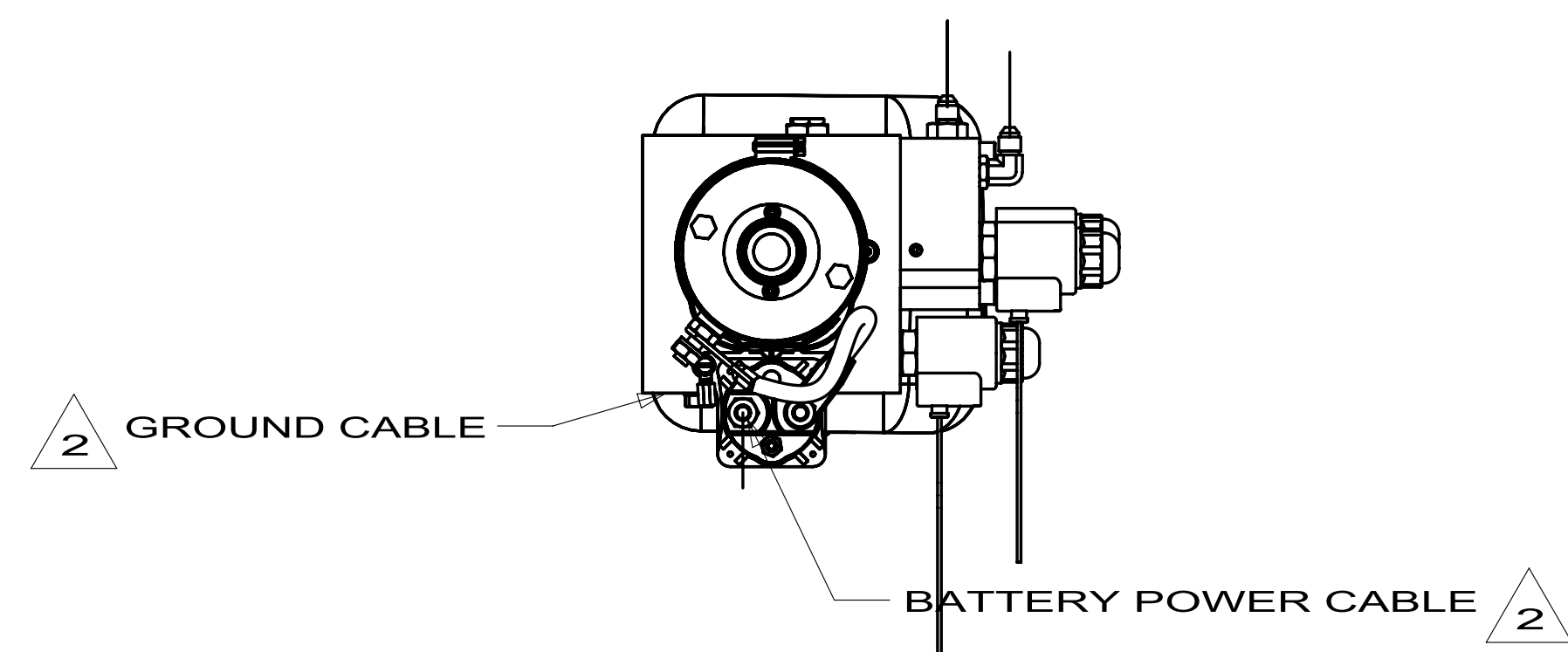
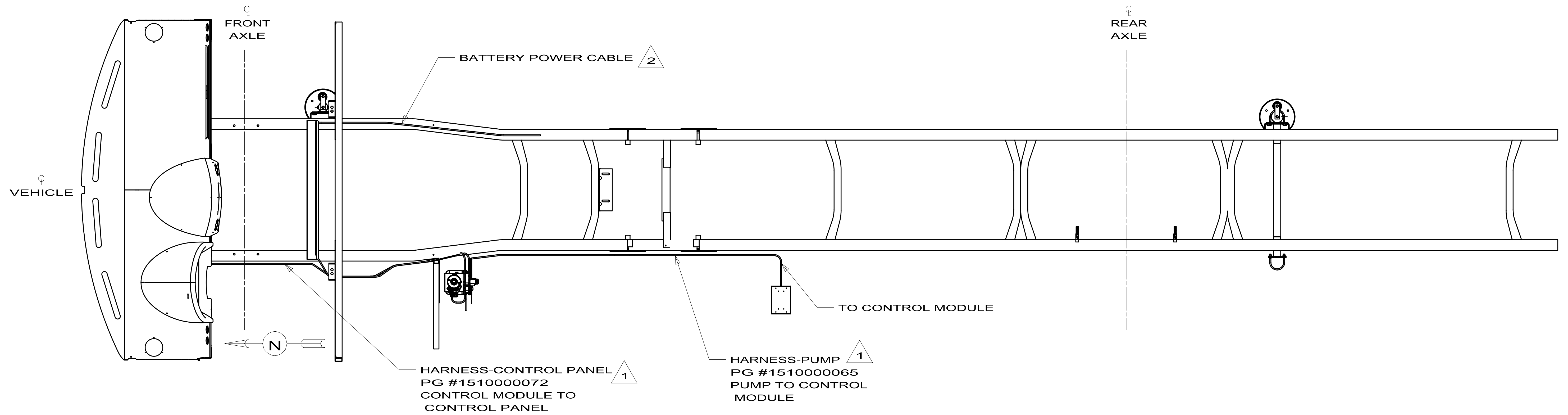
FIRST USED		
10 D/E-SERIES		
DO NOT SCALE DRAWING		
TITLE: LEVELING SYSTEM INSTL-P/G		
SHEET 3	PART NO 173520	REV



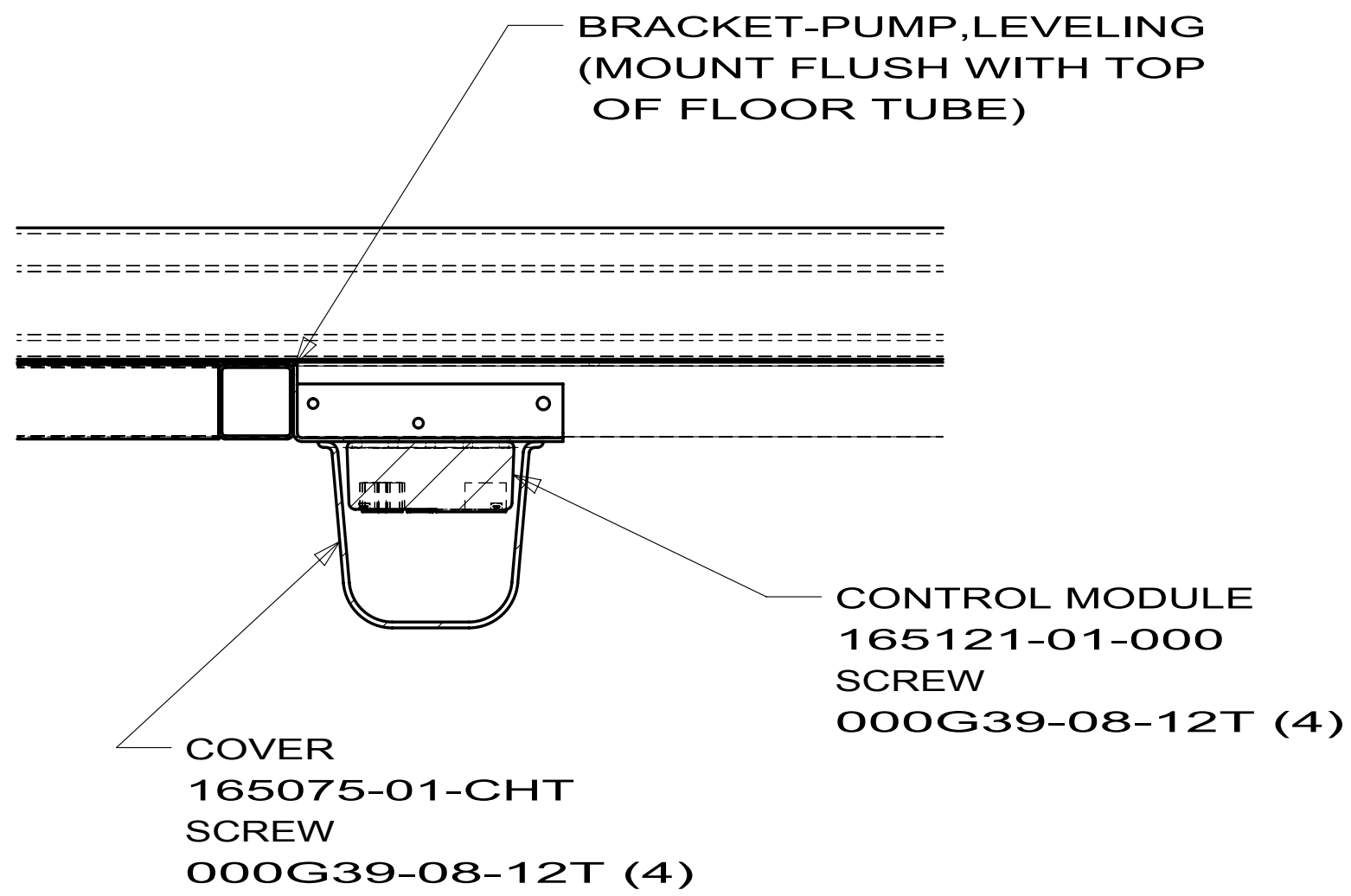
FIRST USED		
10 D/E-SERIES		
DO NOT SCALE DRAWING		
TITLE: LEVELING SYSTEM INSTL-P/G		
SHEET 4	PART NO 173520	REV



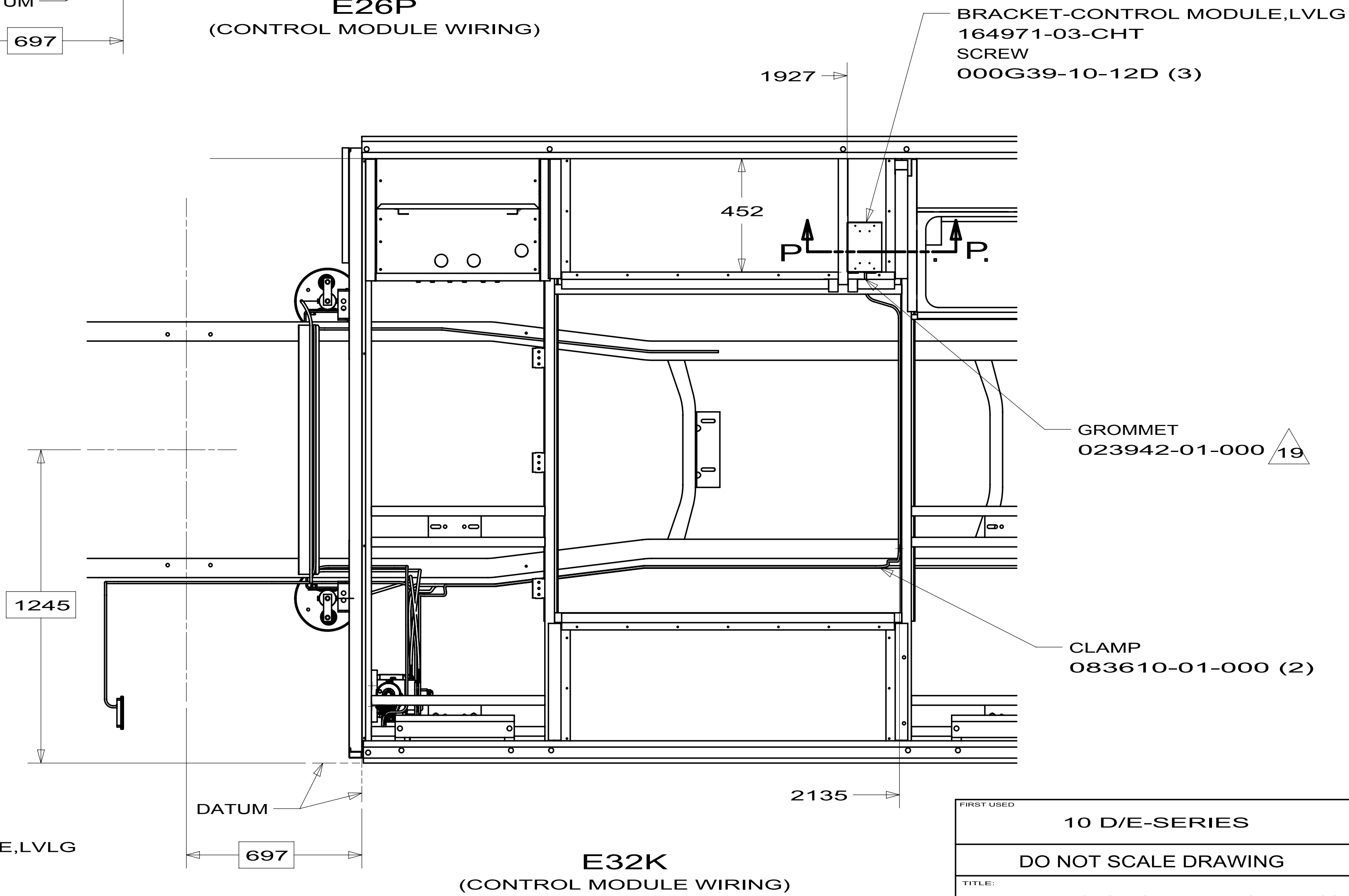
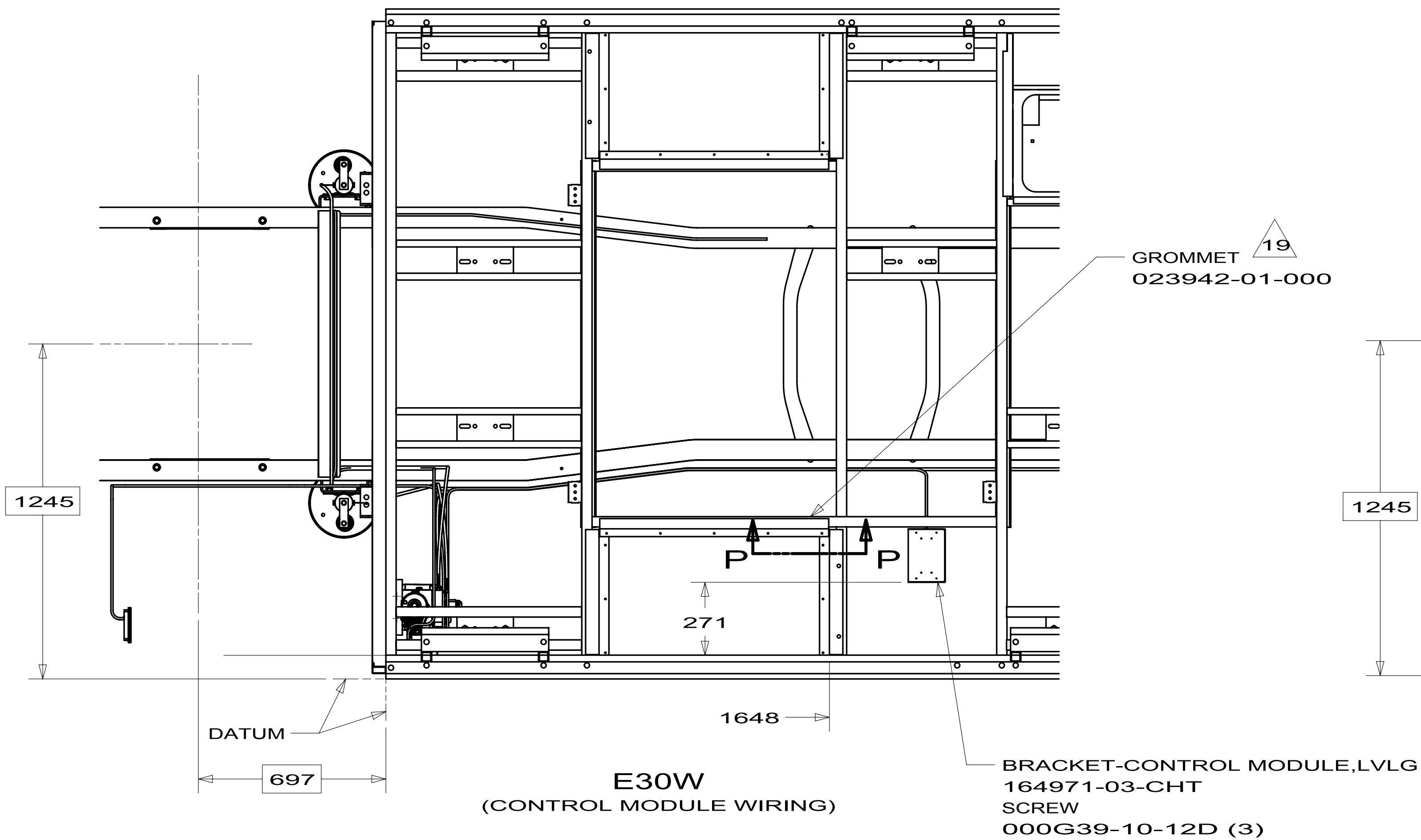
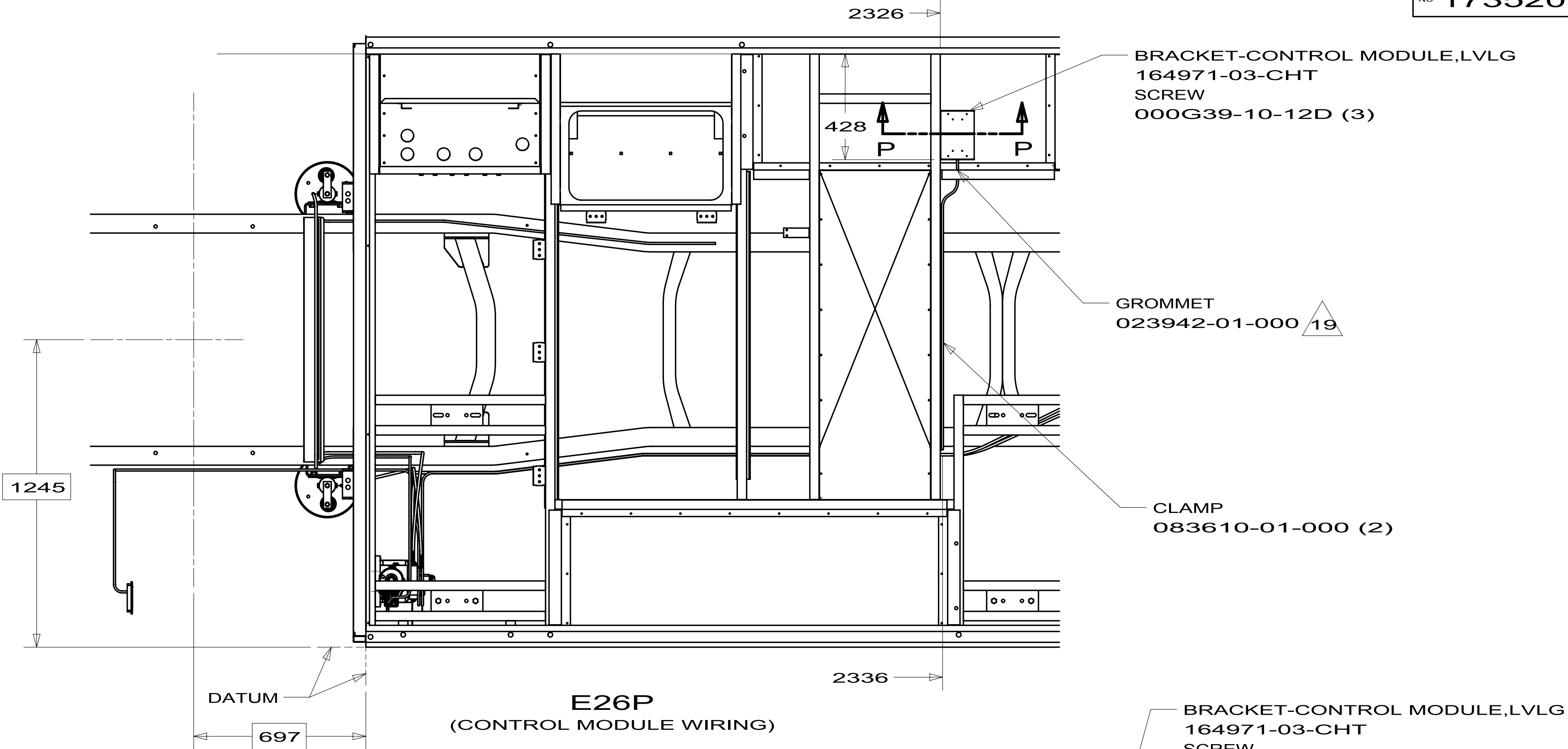
FIRST USED		
10 D/E-SERIES		
DO NOT SCALE DRAWING		
TITLE:		
LEVELING SYSTEM INSTL-P/G		
SHEET 5	PART NO	REV
	173520	



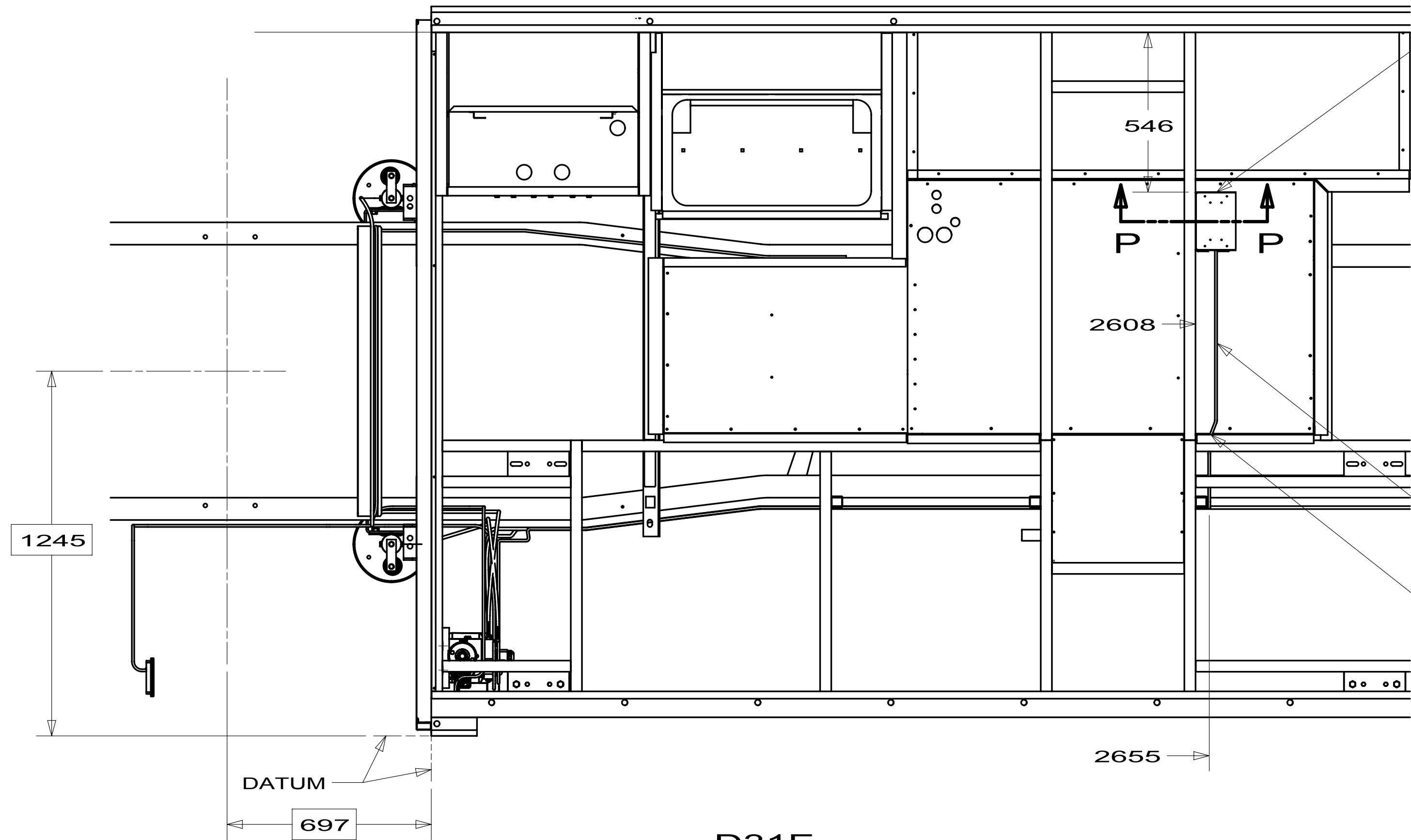
FIRST USED		
10 D/E-SERIES		
DO NOT SCALE DRAWING		
TITLE: LEVELING SYSTEM INSTL-P/G		
SHEET 6	PART NO 173520	REV



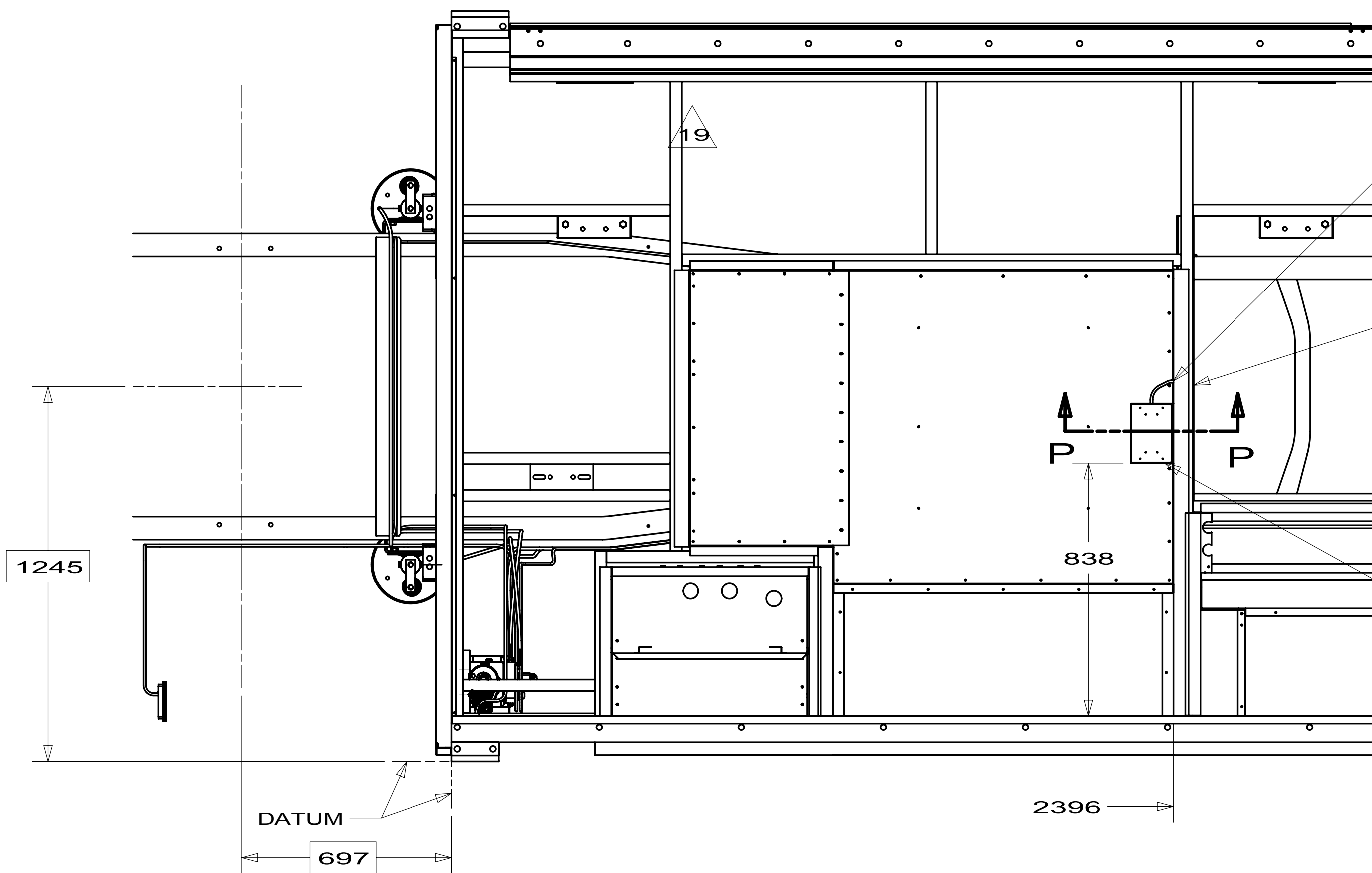
SECTION P-P



FIRST USED		
10 D/E-SERIES		
DO NOT SCALE DRAWING		
TITLE: LEVELING SYSTEM INSTL-P/G		
SHEET 7	PART NO 173520	REV

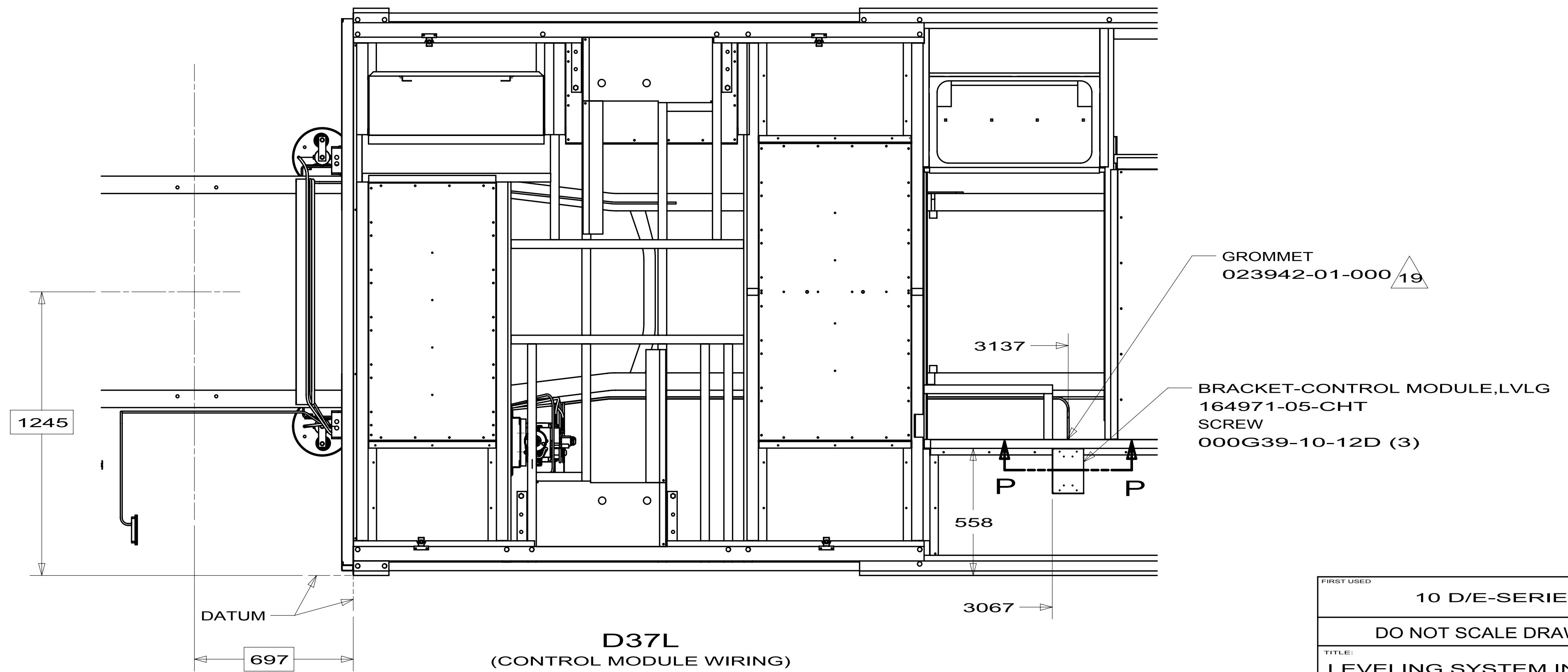
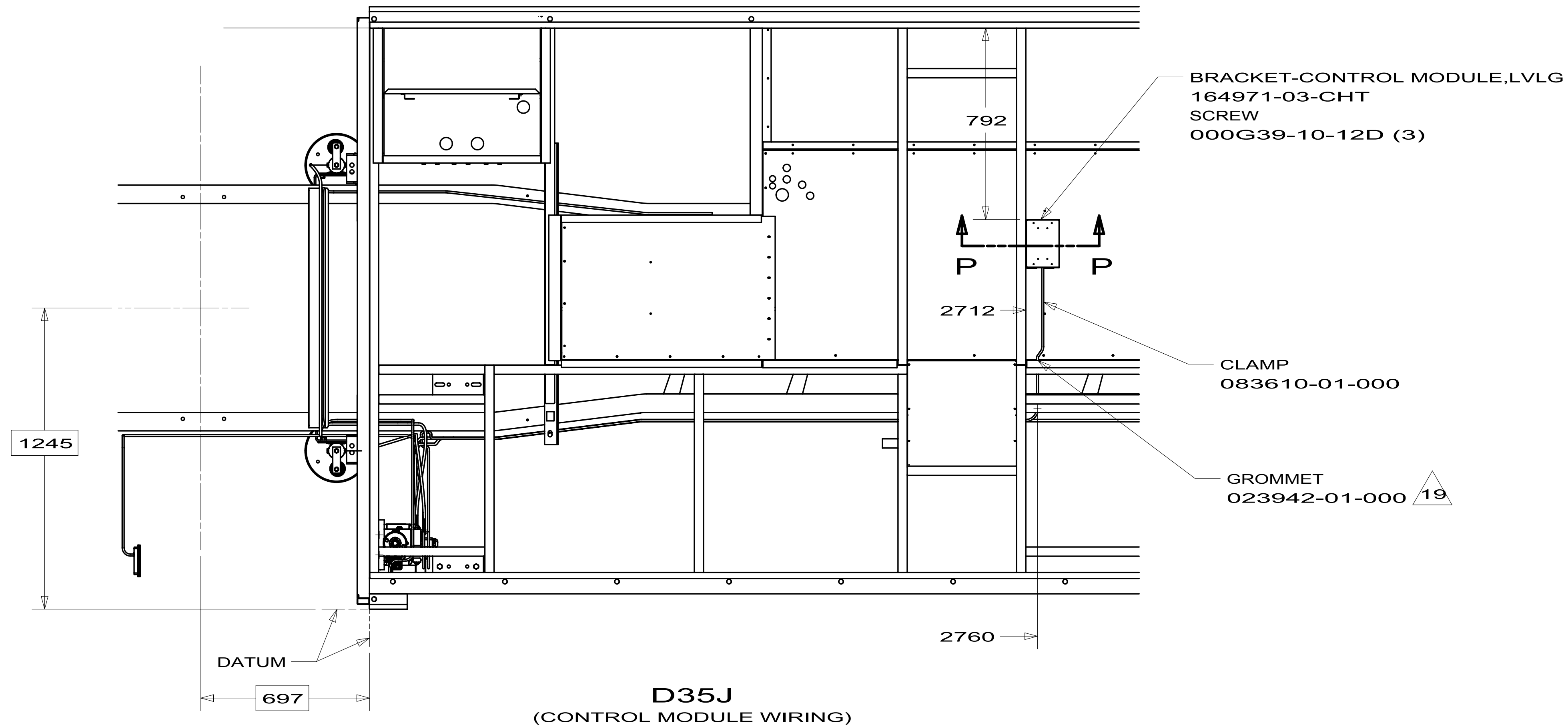


D31E
(CONTROL MODULE WIRING)



D33C
(CONTROL MODULE WIRING)

FIRST USED		
10 D/E-SERIES		
DO NOT SCALE DRAWING		
TITLE:		
LEVELING SYSTEM INSTL-P/G		
SHEET 8	PART NO	REV
	173520	



FIRST USED		10 D/E-SERIES	
DO NOT SCALE DRAWING			
TITLE: LEVELING SYSTEM INSTL-P/G			
SHEET 9		PART NO 173520	REV

164877-01-000			
KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
	164877-01-700	EA PUMP HARNESS - 252"	1510000065
	164877-01-701	EA INTERCONNECT HARNESS - 30"	1510000072
	164877-01-702	EA SOLENOID	09-1141

164877-02-000			
KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
	164877-01-700	EA PUMP HARNESS - 252"	1510000065
	164877-02-700	EA INTERCONNECT HARNESS - 21'	1510000073

165119-01-000			
KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
	165119-01-700	EA SPRING KIT - 2.5" X 17"	500094
	165119-01-701	EA CONE/THREADED - F/SPRING	500085
	165119-01-702	EA REBUILD KIT (SEALS)	800138S

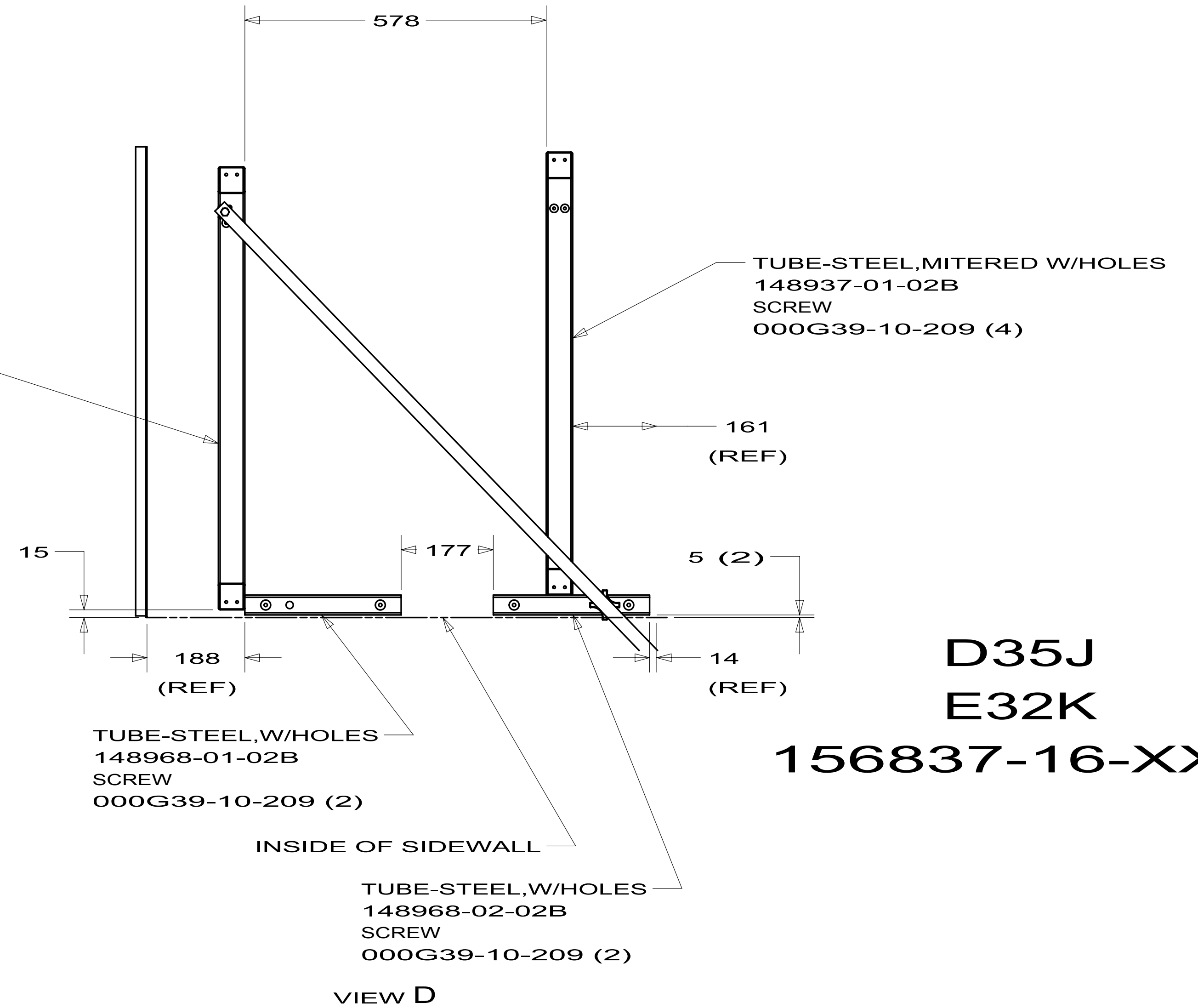
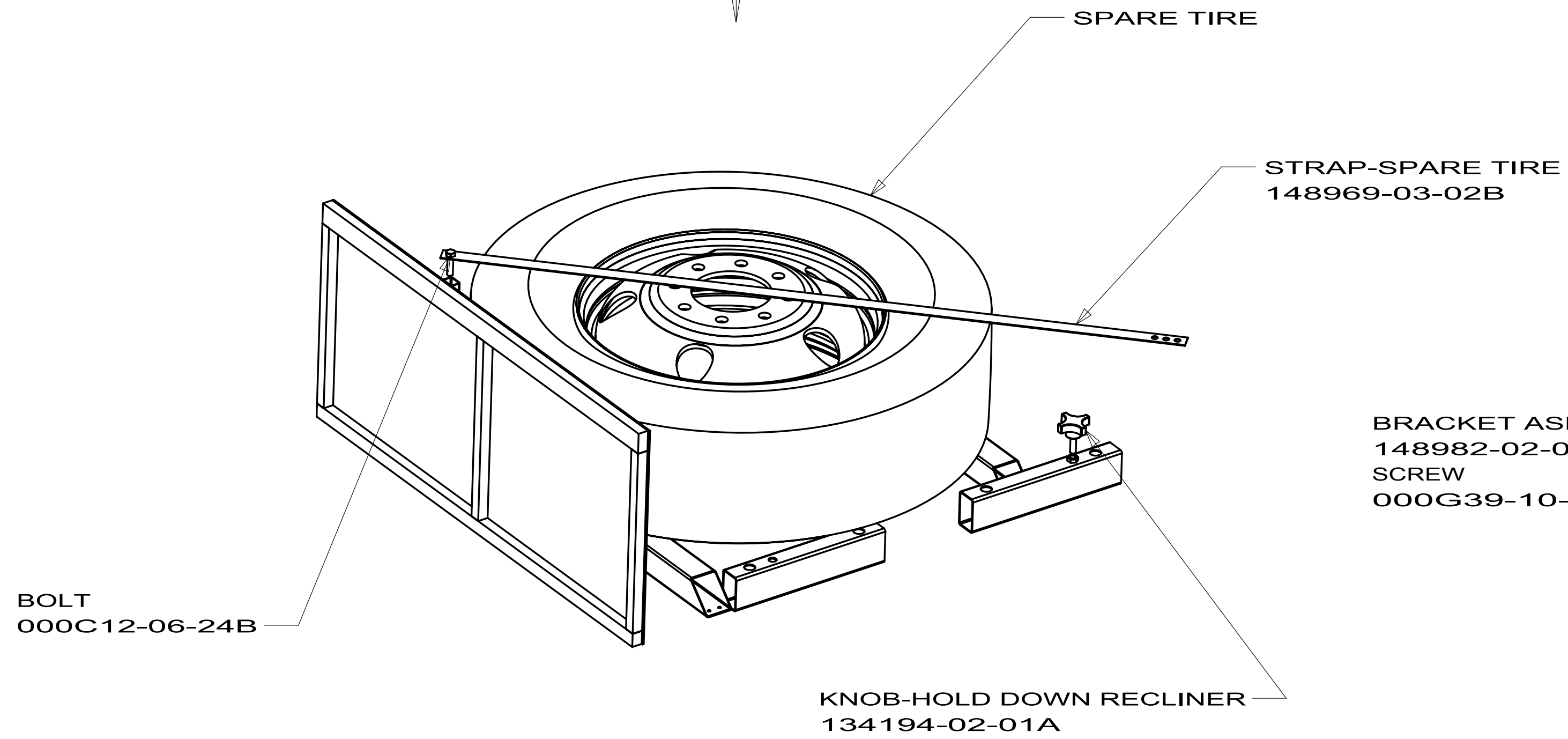
165119-02-000			
KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
	165119-01-700	EA SPRING KIT - 2.5" X 17"	500094
	165119-01-701	EA CONE/THREADED - F/SPRING	500085
	165119-02-700	EA REBUILD KIT (SEALS)	800199S

165179-01-000			
KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
	165179-01-700	EA HOSE - 288" - ROADSIDE REAR	080-AA288WSTRR
	165179-01-701	EA HOSE - 288" - CURBSIDE REAR	080-AA228WSTCR
	165179-01-702	EA HOSE - 88" - CURBSIDE FRONT	080-AA088WSTCF
	165179-01-703	EA HOSE - 32" - ROADSIDE FRONT	080-AA032WSTRF

165179-02-000			
KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
	165179-02-700	EA HOSE - 432" - ROADSIDE REAR	080-AA432WSTRR
	165179-02-701	EA HOSE - 384" - CURBSIDE REAR	080-AA432WSTCR
	165179-02-702	EA HOSE - 168" - ROADSIDE FRONT	080-AA168WSTRF
	165179-02-703	EA HOSE - 120" - CURBSIDE FRONT	A080-AA120WSTCF

Spare Wheel and Tire Matrix
Chassis Model Year 2008 - Current
March 17, 2009

	Chassis	Wheel		Wheel Part Number	Wheel Rating	Weight (lbs.)	Tire	Maximum Tire Rating	Brand	Tire Part Number	Weight (lbs.)
Dodge	3500 Sprinter 500 Series	Magnetto (Mercedes Benz) A 001 401 70 02 16 X 5.5, 6 bolt	CHASSIS SUPPLIED		Wheel not marked	27	LT215/85R16E	2680/2470 @ 80	Continental		27.1
	E350/E450 Super Duty 200,300 & 700 Series	Arvin Meritor 16 X 6, 8 bolt @ 6.5 8C2Z-1015-G	CHASSIS SUPPLIED		Wheel not marked	---	LT225/75R16E	2680/2470 @ 80	Michelin LTX M/S	083425-14-000	71
Ford	F53 16K GVWR E26P	Hayes/Lemmerz (Boriem) 19.5 X 6.0 10 bolt 8U94-1015-BA	CHASSIS SUPPLIED		3750 @ 110	51.5	225/70R19.5G	3970/3750 @ 110	Continental HSR		60.8
	F53 18, 20.5, & 22K GVWR E30W,E32K D31E,D33C, D35J W/19.5 TIRE ONLY	Accuride 29875 19.5 X 6.75, 10 bolt 5U94-1015-AA	CHASSIS SUPPLIED		4000 @ 115	59	245/70R19.5F	4080/3970 @ 85	Goodyear G670		66
Workhorse	W16/W18 E30W	Maxion W0007492 19.5 X 6, 10 bolt	Steel	156482-02-000 Black	3750 @ 110	58.5	225/70R19.5F	3640/3415 @ 95	Michelin XRV	091673-07-000	52
	W20-22 7,500 GAWR-F D33C, E32K	Maxion W0002404 19.5 X 6.75, 8 bolt	Steel	118814-05-000	5000 @ 115	61	245/70R19.5F	4080/3970 @ 95	Goodyear G670RV	102340-08-000	70
	W21/W22 8,000/8,500 GAWR-F D31E	Maxion W0002404 19.5 X 6.75, 8 bolt	Steel	118814-05-000	5000 @ 115	61	245/70R19.5G	4540/4410 @ 110	Goodyear G670RV	102340-09-000	70



D35J
E32K
156837-16-XXX

TAB-16,PG-17

FIRST USED		
08 E32K & 08 D35J		
DO NOT SCALE DRAWING		
TITLE:		
SPARE TIRE COMPL		
SHEET 8	PART NO 156837	REV

8		7		6		5		4		3		2		1	
2010 AND UP WHEEL TRIM MATRIX															DWG NO 159483
D <															

87654321

159483

DWG NO

FOR WINNEBAGO MODEL YEAR 2007, WINNEBAGO WILL SUPPLY LUG WRENCHES WHICH ARE SUPPLIED TO WINNEBAGO WITH THE CHASSIS. (CURRENTLY, FORD E350/E450 CUTAWAY, DODGE SPRINTER, AND FORD F53 19.5" RAIL) IN ADDITION, C-BODY CUTAWAY CHASSIS WITH ALUMINUM WHEEL OPTION, FORD CHASSIS SUPPLIED LUG WRENCH WHICH NO LONGER FITS ALUMINUM WHEEL FASTENERS WILL BE STORED UNDER PART NUMBER 112358-02-000. WINNEBAGO WILL PROVIDE LUG WRENCH AND LEVERAGE BAR TO FIT ALUMINUM WHEEL HARDWARE. WINNEBAGO WILL PROVIDE 112358-02-000 WITH STANDARD CHEVY STEEL WHEEL CHASSIS.

2007 AND UP

OTHER APPLICATIONS LISTED FOR WRENCH FIT REFERENCE

LUG WRENCH APPLICATION MATRIX

	CHASSIS	LUG WRENCH	LEVERAGE BAR	TORQUE FT/LBS
* NOT USED	CHEVY CUTAWAY G3500 8 BOLT GMT610 8 BOLT	112358-02	---	110-140
* NOT USED	CHEVY CUTAWAY ALUMINUM WHEELS G3500/GMT610 8 BOLT	80208-06	80208-02	140
* 100/500/H SERIES (1KB) (1KD) (1KM)	DODGE SPRINTER 16" 6-BOLT	CHASSIS SUPPLIED (FLOOR COMPT. @ PASS. FEET)	CHASSIS SUPPLIED	140 (130-150)
* 200/300/700 SERIES (16C) (16Y)	FORD CUTAWAY E350SD/E450SD 8 BOLT	CHASSIS SUPPLIED 112358-02	---	140
* 200/300/700 SERIES (16C) (16Y)	FORD CUTAWAY ALUMINUM WHEELS E350SD/E450SD 8 BOLT	80208-06	80208-02	140
* E/D SERIES (16H) (16K)	FORD RAIL F53 10 BOLT 19.5"	CHASSIS SUPPLIED 112358-01	---	140
D/J SERIES (16L) (16Z)	FORD RAIL F53 8 BOLT 22.5" ALUMINUM	80208-04	80208-05	450-500
	FREIGHTLINER 10 BOLT NOT USED	80208-04	80208-05	450-500
E26P/E30W (1PJ) (1PL)	WORKHORSE W16/18 10 BOLT 19.5"	80208-06	80208-02	150 (145-155)
E/D/J SERIES (1PE) (1PR) (1PS) (1PU) (1PV)	WORKHORSE W20-25 SERIES AND UFO 8 BOLT	80208-04	80208-05	450-500

87654321

07 MOTORHOMES

DO NOT SCALE DRAWING

TITLE:

WHEEL INSTL

SHEET 3

PART NO 159483

REV

12/17/2010

KEY	PART NUMBER	U/M DESCRIPTION
	110435-04-705	EA DECAL-CTR HUB 2 3/4" DIAMOND
	110435-05-700	EA CAP-CENTER 4.50"D W/O DECAL
	110435-12-700	EA LINER - WHEEL - FRONT
	110435-12-701	EA LINER - WHEEL - REAR
	145580-01-702	EA COVER-LUG NUT/JAM NUT 22M
	145580-01-703	EA TOOL-INSTALLATION

145580-03-000
VENDOR NO.
2 3/4 DECAL DIAMOND
V22510-POC
V19580-FWC
V19580-RWC
V19582-EJN
V22501-TOL

KEY	PART NUMBER	U/M DESCRIPTION
	110435-04-705	EA DECAL-CTR HUB 2 3/4" DIAMOND
	110435-05-700	EA CAP-CENTER 4.50"D W/O DECAL
	145580-01-702	EA COVER-LUG NUT/JAM NUT 22M
	145580-01-703	EA TOOL-INSTALLATION
	145580-05-700	EA LINER - WHEEL/FRONT - 1EA=1
	145580-05-701	EA LINER - WHEEL/REAR - 1EA=1

145580-05-000
VENDOR NO.
2 3/4 DECAL DIAMOND
V22510-POC
V19582-EJN
V22501-TOL
V22587-FWC
V22587-RWC

KEY	PART NUMBER	U/M DESCRIPTION
	110435-04-705	EA DECAL-CTR HUB 2 3/4" DIAMOND
	110435-10-702	EA JAMB NUT W/JAMB NUT COVER
	110435-10-705	EA TOOL/JAMB NUT INSTALLATION
	145580-06-700	EA LINER - WHEEL/FRONT - 1EA=1
	145580-06-701	EA LINER - WHEEL/REAR - 1EA=1

145580-06-000
VENDOR NO.
2 3/4 DECAL DIAMOND
V195P7-EJN
V195P7-TOL
V195W18-FWC
V195W18-RWC

KEY	PART NUMBER	U/M	DESCRIPTION
	110435-04-705	EA	DECAL-CTR HUB 2 3/4" DIAMOND
	110435-10-705	EA	TOOL/JAMB NUT INSTALLATION
	110435-20-700	EA	JAMB NUT W/COVER - METRIC
	154672-01-700	EA	LINER - WHEEL - FRONT
	154672-01-701	EA	LINER - WHEEL - REAR

154672-01-000
VENDOR NO.
 2 3/4 DECAL DIAMOND
 V195P7-TOL
 V195F9-EJN-MF
 V195F6-FWC
 V195F6-RWC

KEY	PART NUMBER	U/M	DESCRIPTION
	110435-04-705	EA	DECAL-CTR HUB 2 3/4" DIAMOND
	110435-10-705	EA	TOOL/JAMB NUT INSTALLATION
	110435-20-700	EA	JAMB NUT W/COVER - METRIC
	154672-02-700	EA	LINER - WHEEL - FRONT
	154672-02-701	EA	LINER - WHEEL - REAR

154672-02-000
VENDOR NO.
 2 3/4 DECAL DIAMOND
 V195P7-TOL
 V195F9-EJN-MF
 V195F66M-FWC
 V195F66M-RWC