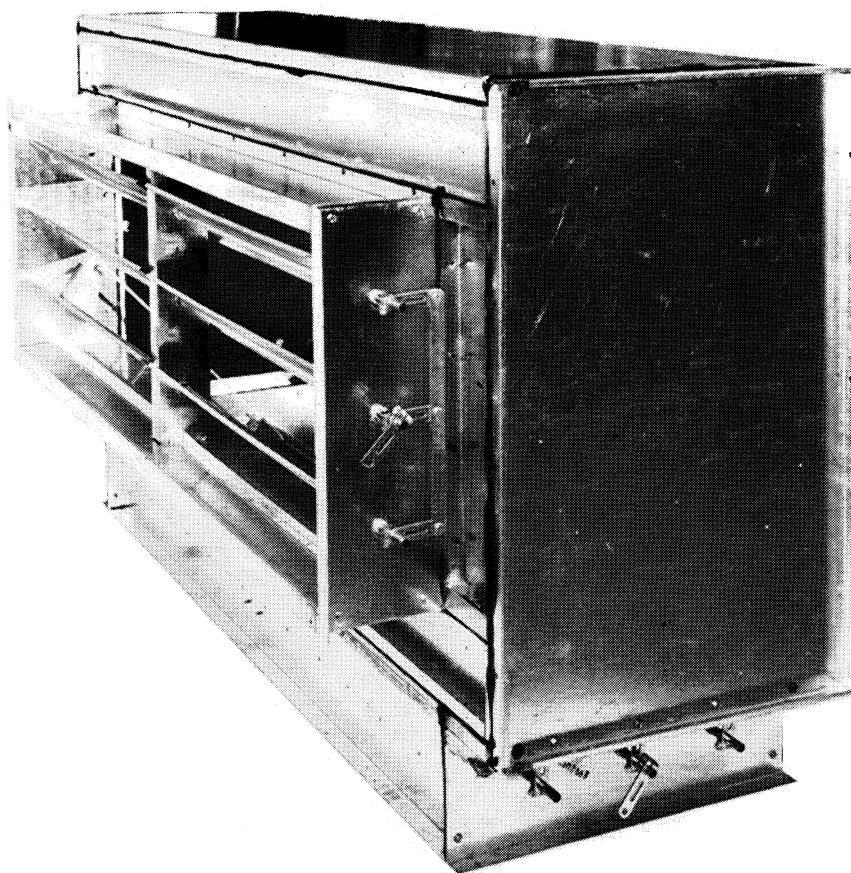




MIXING BOX SECTION



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

INDEX

<u>TITLE</u>	<u>PAGE</u>
HOW TO USE THIS CATALOG AND IDENTIFICATION ABBREVIATIONS	3
ORDERING INSTRUCTIONS AND UNIT NAMEPLATE DATA	4
UNIT SIZE COMPARISION CHART	5
<u>39EA INDOOR UNITS</u>	
39EA M.X.B. GROUP AND DAMPER BOX ASSEMBLY (DESIGN #1)	6 - 11
39EA M.X.B. GROUP AND DAMPER BOX ASSEMBLY (DESIGN #2)	12 - 19
39EA F.M.B. GROUP AND DAMPER BOX ASSEMBLY (DESIGN #3)	20 - 23
<u>39ER ROOFTOP UNITS</u>	
39ER MXB-4 GROUP AND DAMPER BOX ASSEMBLY (DESIGN #1)	23 - 27
39ER MXB-4 GROUP AND DAMPER BOX ASSEMBLY (DESIGN #2)	28 - 32
39ER MXB-4 GROUP AND DAMPER BOX ASSEMBLY (DESIGN #3)	33 - 37
39ER MXB-5 GROUP AND DAMPER BOX ASSEMBLY (DESIGN #1,2,3)	38 - 40
39ER MXB-6 GROUP AND DAMPER BOX ASSEMBLY WITHOUT SEALS (DESIGN #1)	41 - 45
39ER MXB-6 DAMPER BOX (OUTSIDE OR EXHAUST AIR) (DESIGN #1)	43, 46, 47
39ER MXB-6 GROUP AND DAMPER BOX ASSEMBLY WITHOUT SEALS (DESIGN #2)	48 - 52
39ER MXB-6 DAMPER BOX (OUTSIDE OR EXHAUST AIR) (DESIGN #2)	53 - 55
39ER MXB-6 GROUP AND DAMPER BOX ASSEMBLY WITHOUT SEALS (DESIGN #3)	56 - 62
39ER MXB-6 DAMPER BOX (OUTSIDE OR EXHAUST AIR) (DESIGN #3)	59
39ER E.X.B. DAMPER BOX GROUP (DESIGN #1)	63 - 66
39ER E.X.B. DAMPER BOX GROUP (DESIGN #2)	67 - 70
39ER E.X.B. DAMPER BOX GROUP (DESIGN #3)	68
<u>39EB BLOW-THRU UNITS</u>	
39EA Z.D.S. DAMPER GROUP (DESIGN #1)	71 - 73
39EA Z.D.S. DAMPER GROUP (DESIGN #2)	74 - 77
39EA Z.D.S. DAMPER GROUP (DESIGN #3)	75
<u>39E- /ER INDOOR AND ROOFTOP UNITS</u>	
39EA F.B.P. DAMPER GROUP (DESIGN #1)	78 - 85
39EA F.B.P. DAMPER GROUP (DESIGN #2)	86 - 96
39EA F.B.P. DAMPER GROUP (DESIGN #3)	97 - 102
FILTER SECTION	103
ACCESSORY GROUP	104



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

HOW TO USE THIS CATALOG:

1. THIS CATALOG PRESENTS THE MOST COMMONLY USED SPECIFIED PARTS FOR THE STANDARD 39E MISCELLANEOUS SECTION ONLY AND IS NOT APPLICABLE TO ANY SPECIAL MACHINES.
2. FOR OTHER 39E COMPONENTS, REFER TO THEIR RESPECTIVE CATALOGS.
EXAMPLE:

<u>CATALOG</u>	<u>COMPONENTS</u>
39E_ FAN SECTION CATALOG	F.C. AND A.F. INTERNAL FAN SECTION FLEXIBLE CONNECTIONS SNUBBER ARRANGEMENTS VARIABLE INLET VANE (V.I.V.) F.C. AND A.F. FAN SECTION PANEL
39E_ COIL SECTION CATALOG	COIL PANEL SECTION COIL SECTION EXPANSION VALVES DISTRIBUTOR NOZZLES
39EM MODUDRIVE CATALOG	MODUDRIVE UNIT MODUDRIVE CONTROL BOX

3. CASING PARTS AND PANELS ARE NOT NORMALLY STOCKED, BUT ARE AVAILABLE UPON REQUEST WHILE IN PRODUCTION. REQUESTS FOR CASING PARTS AND PANELS FOR UNITS NO LONGER IN PRODUCTION; MUST BE CLEARED THROUGH THE CAC PARTS CENTER FOR AVAILABILITY PRIOR TO SUBMITTING AN ORDER.
4. THE REPLACEMENT PARTS LISTED IN THIS CATALOG ARE "CARRIER SPECIFIED PARTS" AND AS A RESULT OF "STANDARDIZATION" MAY NOT BE IDENTICAL TO THE ORIGINAL PART FURNISHED ON THE EQUIPMENT.
5. THE LETTERS "NI" IN THE ITEM COLUMN INDICATE THAT THE ITEM IS NOT ILLUSTRATED.
6. MISCELLANEOUS SECTION COMPONENT IDENTIFICATION ABBREVIATIONS:

M.X.B.	MIXING BOX SECTION
E.X.B.	EXHAUST AIR DAMPER BOX SECTION
Z.D.S.	ZONING DAMPER SECTION
F.B.P.	FACE AND BY-PASS DAMPER SECTION
B.F.E	BAG FILTER EXTENSION
F.M.B.	FILTER MIXING BOX SECTION

NOTE: SOME OF THE ABOVE ABBREVIATIONS ARE NOT PUBLISHED IN THIS CATALOG, BUT WERE ADDED FOR CLARITY.



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ORDERING INSTRUCTIONS

A. IMPORTANT:

ALL PARTS AND INQUIRIES SHOULD INCLUDE THE FOLLOWING INFORMATION FROM THE UNIT NAMEPLATE.

EXAMPLE:

MODEL NUMBER: 39E_08
JOB NUMBER: XXXXXXXXXX
SERIAL NUMBER: 1684XXXXXX
COMPONENT ASSEMBLY SEQUENCE: MXB-1; MXB-6; FBP-1; ZDS-1; ETC.

PRIOR TO 1/81, TYPICAL SERIAL NUMBER: 80 25 XXXXX
YEAR WEEK SEQUENCE NO.

AS OF 1/81, TYPICAL SERIAL NUMBER: 25 81 D/T XXXXX
WEEK YEAR MANU. SEQUENCE NO.

Carrier Air Conditioning Company Division of Carrier Corporation		
MODEL		
⊕	SERIAL	⊕
COMPONENT ASSEMBLY SEQUENCE		
MADE IN UNITED STATES OF AMERICA		

UNIT NAMEPLATE

- B. NOTE: WHEN ORDERING REPLACEMENT ELECTRIC HEATERS, THE ENTIRE HEATER NUMBER FROM THE HEATER NAMEPLATE IS REQUIRED!



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

UNIT SIZE COMPARISON CHART

PRIOR TO S/N 1684XXXXX SERVICE UNIT SIZE

39E _ 08
39E _ 10
39E _ 12
39E _ 15
39E _ 18
39E _ 21
39E _ 26
39E _ 32
39E _ 39
39E _ 48
39E _ 57
39E _ 75
39E _ 90

REFERENCE ONLY FACTORY UNIT SIZE

39E _ 20
39E _ 25
39E _ 30
39E _ 35
39E _ 40
39E _ 45
39E _ 50
39E _ 55
39E _ 60
39E _ 65
39E _ 70
39E _ 75
39E _ 80

AFTER S/N 1684XXXXX SERVICE UNIT SIZE

39E _ 08
39E _ 11
39E _ 13
39E _ 17
39E _ 19
39E _ 23
39E _ 29
39E _ 36
39E _ 39
39E _ 48
39E _ 57
39E _ 75
39E _ 90



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

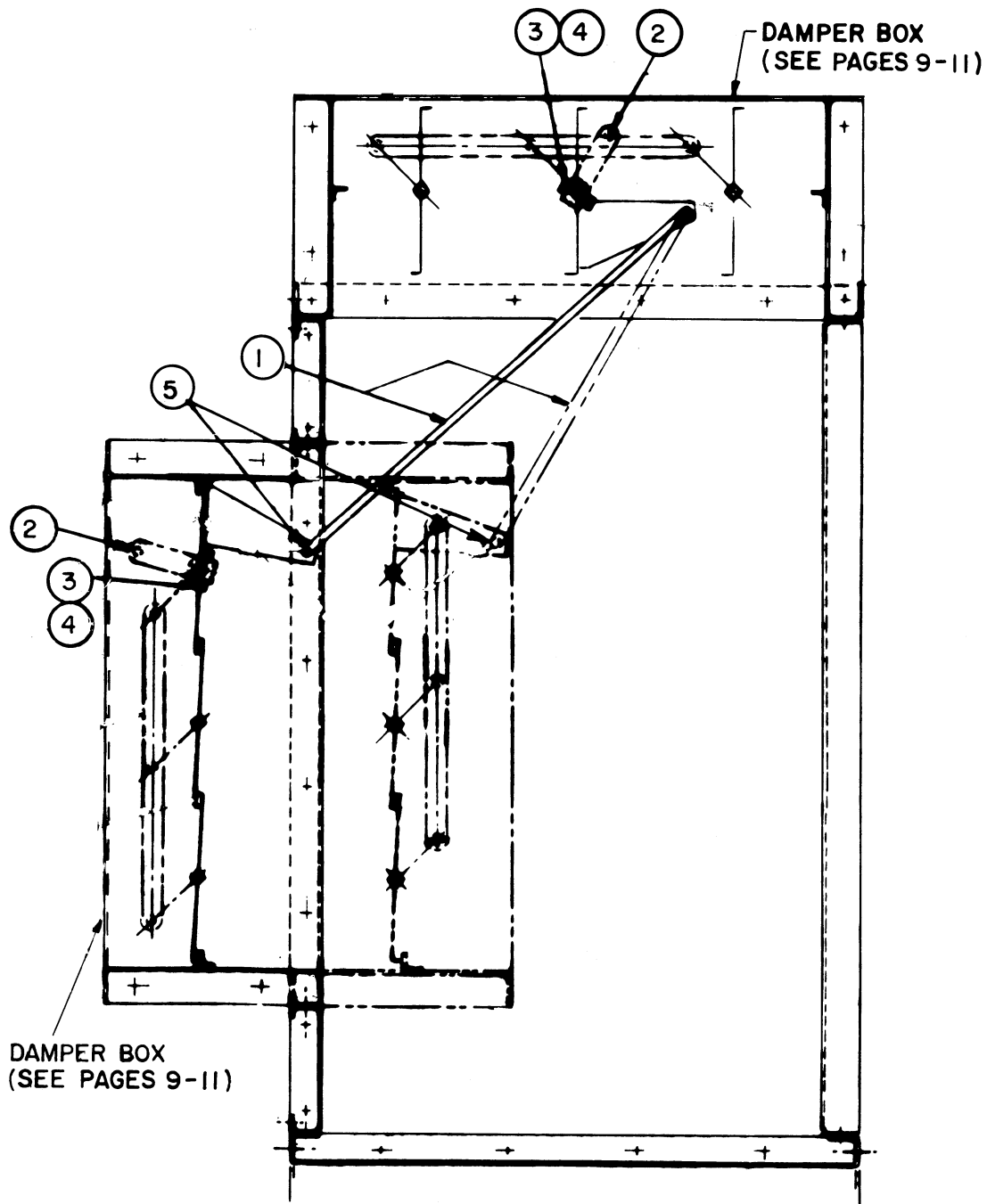
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E													
			08	10	12	15	18	21	26	32	39	48	57	75	90	

MIXING BOX (M.X.B.) GROUP TOP AND REAR ARRANGEMENTS (DESIGN #1) (S/N 7727XXXXX AND LOWER)

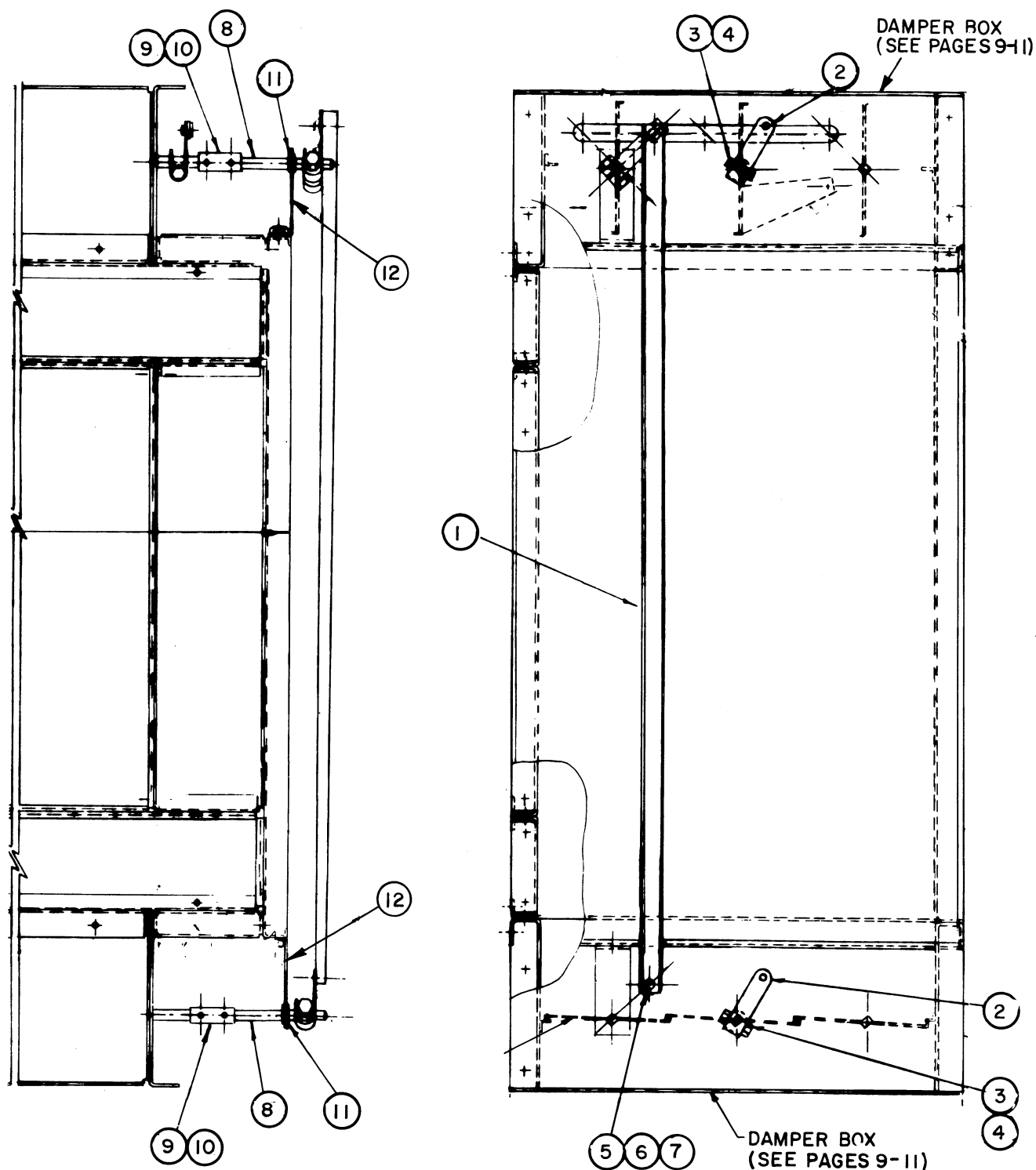
1	CONNECTING ROD	39EA--30--3143-- 39EA--40--3143-- 39EA--50--3143-- 39EA--55--3143-- 39EA--60--3143-- 39EA--70--3143-- 39EA--80--3143--	1	1	1		1	1	1		1					
2	DAMPER LEVER	39EA--20--1952--	1	1	1	1	1	1	1	2	2	2	2	2	2	2
3	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	1	1	1	1	1	1	1	2	2	2	2	2	2	2
4	NUT 5/16"-18	--AT--39AB-201012	1	1	1	1	1	1	1	2	2	2	2	2	2	2
5	BALL JOINT ASSEMBLY	--KS--70MK-101--	2	2	2	2	2	2	2	2	2	2	2	2	2	2

MIXING BOX (M.X.B.) GROUP (CONT'D.) TOP AND BOTTOM ARRANGEMENTS (DESIGN #1) (S/N 7727XXXXX AND LOWER)

1	CONNECTING ROD	39EA--30--2012-- 39EA--40--2012-- 39EA--50--2012-- 39EA--60--2012-- 39EA--70--2012-- 39EA--80--2012--	1	1	1		1	1	1		1	1				
2	DAMPER LEVER	39EA--20--1952--	3	3	3	3	3	3	3	4	4	4	4	4	4	4
3	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	3	3	3	3	3	3	3	4	4	4	4	4	4	4
4	NUT 5/16"-18	--AT--39AB-201012	3	3	3	3	3	3	3	4	4	4	4	4	4	4
5	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	WASHER	--AU--02AA-081--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	CONNECTION ROD	39EA--45--3143--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	SLEEVE	39EA--20--1942--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	SET SCREW #5-40 X 1/8" LG.	--AE--11AR-056--	8	8	8	8	8	8	8	8	8	8	8	8	8	8
11	FLANGE TYPE BUSHING	--KT--50NZ-008--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	BRACKET	39EA--20--2002--	2	2	2	2	2	2	2	2	2	2	2	2	2	2



MIXING BOX (MXB) GROUP
TOP AND REAR ARRANGEMENT
(DESIGN #1, S/N 7727XXXXX AND LOWER)



MIXING BOX (MXB) GROUP
TOP AND BOTTOM ARRANGEMENT
(DESIGN #1, S/N 7727XXXXX AND LOWER)



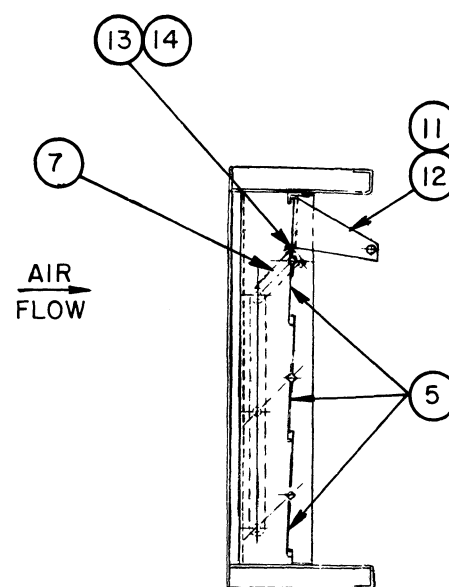
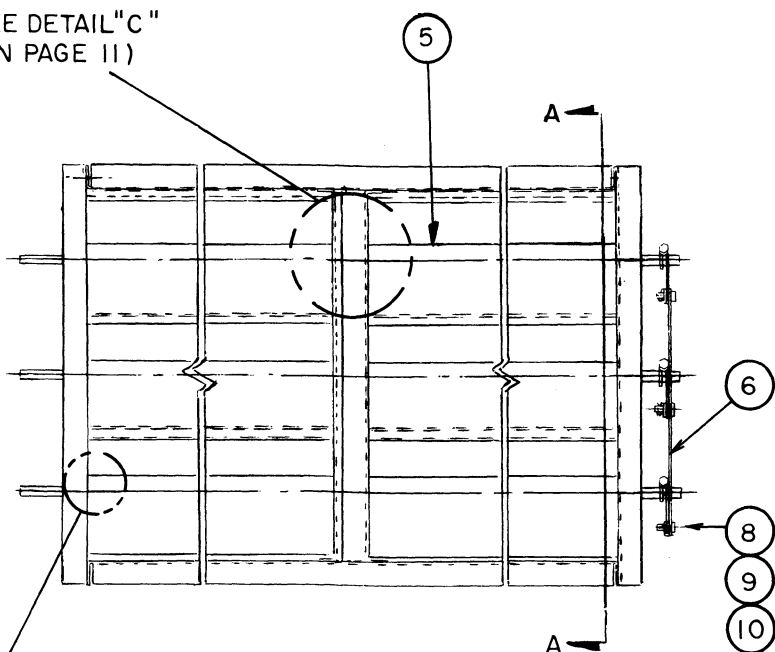
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

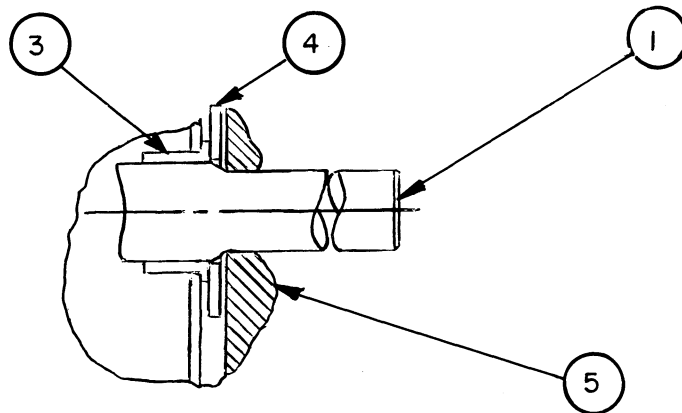
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
DAMPER BOX ASSEMBLY ALL ARRANGEMENTS (DESIGN #1) (S/N 7727XXXX AND LOWER)																
1	END SHAFT	39EA--20--1902--	4	4	4	6	6	6	6	8	8	10	10	14	14	
2	CENTER SHAFT	39EA--30--1902--	2	2	2	3	3	3	3	4	4	10	10	14	14	
3	FLANGE TYPE BUSHING	--KT--50NZ-008--	6	6	6	9	9	9	9	12	12	20	20	28	28	
4	WASHER	39EA--20--2042--	AS REQUIRED													
5	BLADE ASSEMBLY	39EA--20-A 163--	3													
		39EA--30-A-163--		3	3											
		39EA--55-A-163--				5	5									
		39EA--40-A-163--						5	5				14	14		
		39EA--80-A-163--								7	7					
		39EA--45-A-163--													20	20
6	LINKAGE BAR	39EA--20--1692--	1	1	1											
		39EA--30--1692--					1	1	1	1						
		39EA--40--1692--									1	1				
		39EA--45--1692--											1	1		
		39EA--55--1692--													1	1
7	DAMPER LEVER	39EA--20--1952--	2	2	2	3	3	3	3	4	4	5	5	7	7	
8	WASHER	--AU--02AB-271--	2	2	2	3	3	3	3	4	4	5	5	7	7	
9	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	2	2	2	3	3	3	3	4	4	5	5	7	7	
10	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	3	3	3	3	4	4	5	5	7	7	
11	DAMPER BLADE	39EA--20--3273--	2													
		39EA--30--3273--		2	2											
		39EA--55--3273--				2	2									
		39EA--40--3273--						2	2				2	2		
		39EA--45--3273--													2	
		39EA--80--3273--									2	2				
12	DAMPER BLADE BRACKET	39EA--20--1912--	1	1	1	1	1	1	1	1	1	1	1	1	1	
13	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	2	2	2	3	3	3	3	4	4	5	5	7	7	
14	NUT 5/16"-18	--AT--39AB-201012	2	2	2	3	3	3	3	4	4	5	5	7	7	

SEE DETAIL "C"
(ON PAGE 11)

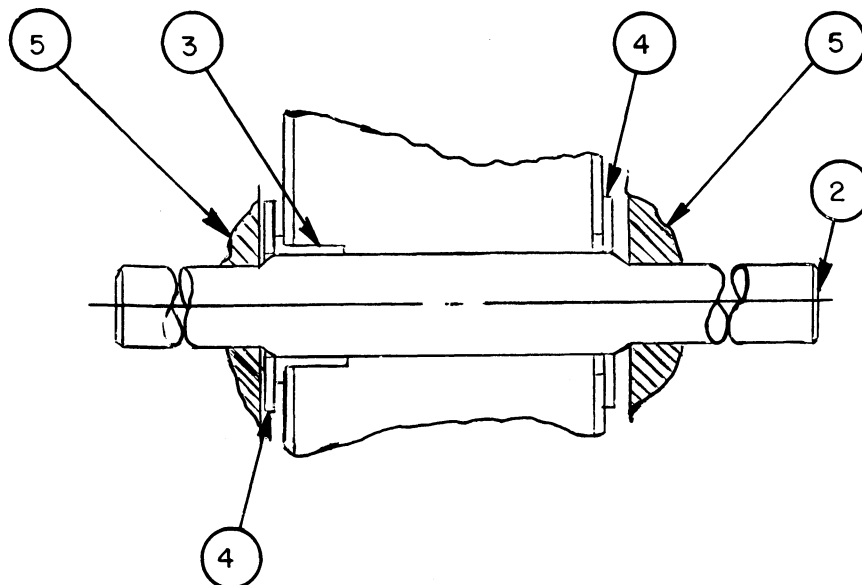
SEE DETAIL "B"
(ON PAGE 11)



**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



DETAIL "B"



DETAIL "C"

**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

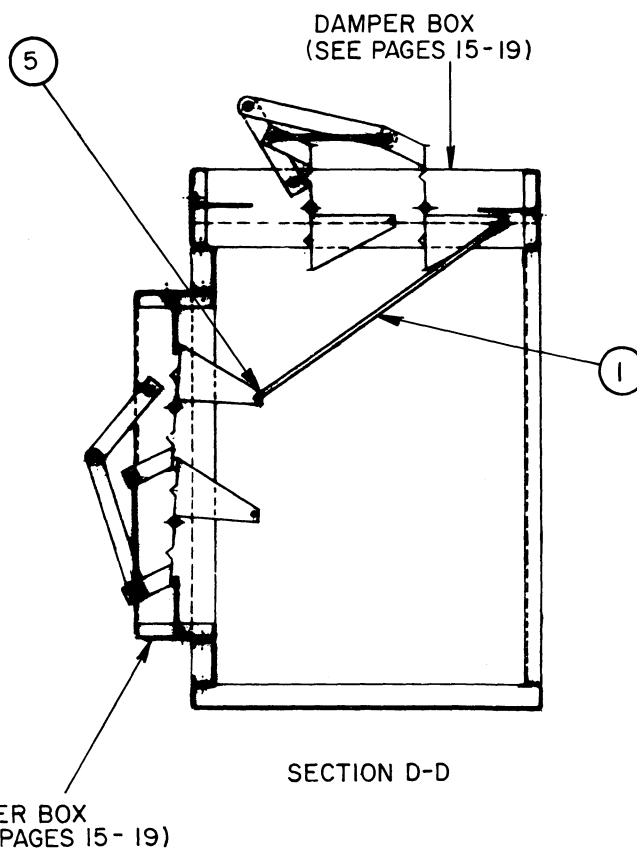
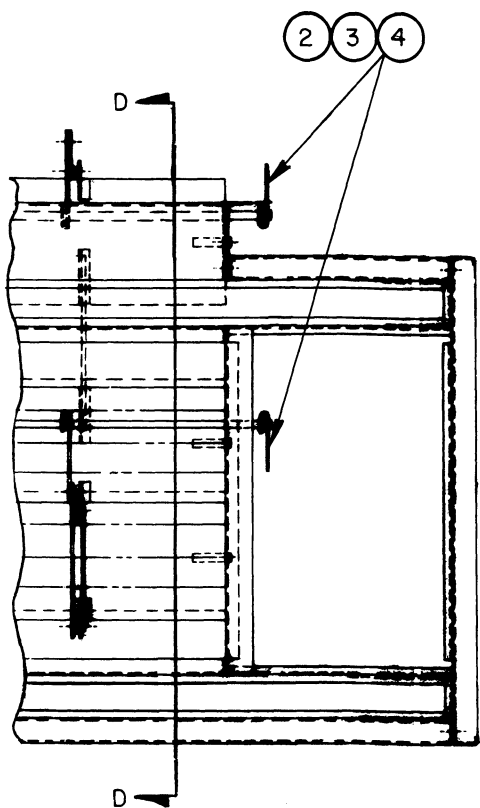
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E													
			08	10	12	15	18	21	26	32	39	48	57	75	90	

MIXING BOX (M.X.B.) GROUP TOP AND REAR ARRANGEMENTS (DESIGN #2) (S/N 7728XXXXX AND HIGHER)

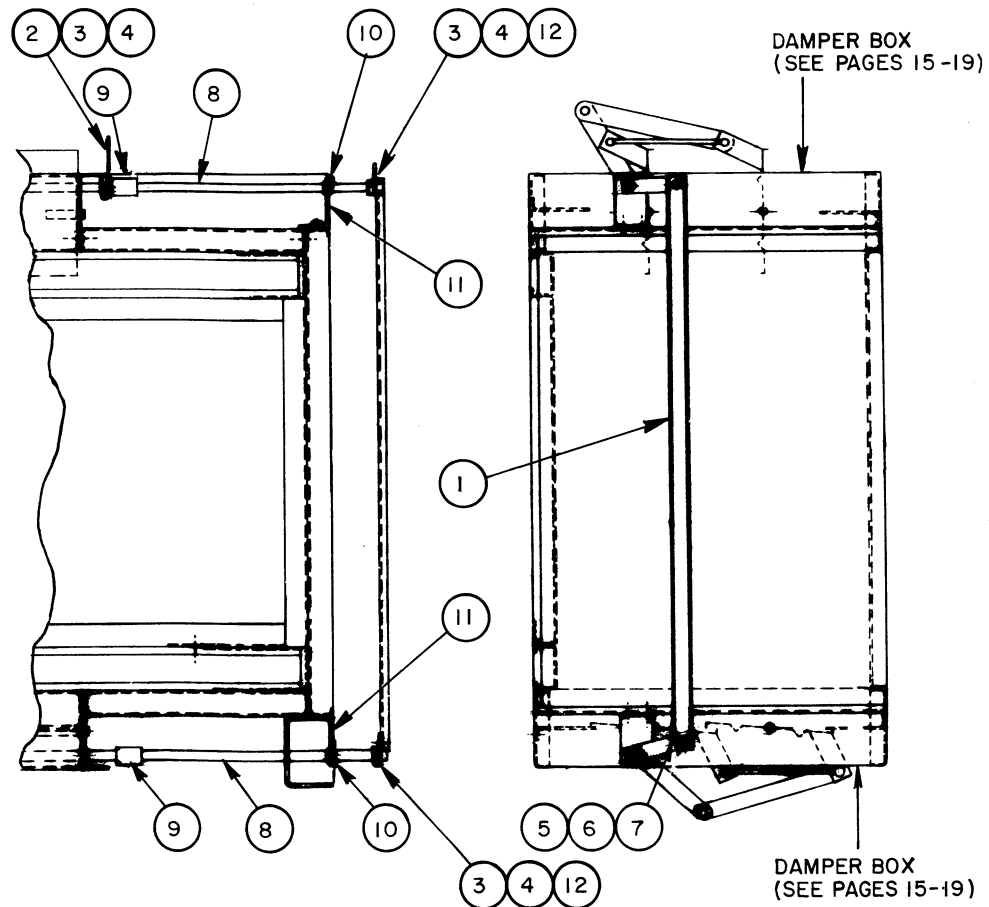
1	CONNECTING ROD	39EA--20--9762-- 39EA--50--9762-- 39EA--55--9762-- 39EA--60--9762-- 39EA--70--9762-- 39EA--80--9762--	2	2	2	2	2	2		2	2					
2	DAMPER LEVER	39EA--70--2762--	4	4	4	4	4	4	4	4	4	4	4	4	4	4
3	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4	NUT 5/16"-18	--AT--39AB-201012	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	LINKAGE CONNECTOR	--HF--91BB-115--	4	4	4	4	4	4	4	4	4	6	6	6	6	6

MIXING BOX (M.X.B.) GROUP (CONT'D.) TOP AND BOTTOM ARRANGEMENTS (DESIGN #2) (S/N 7728XXXXX AND HIGHER)

1	CONNECTING ROD	39EA--30--9422-- 39EA--40--9422-- 39EA--50--9422-- 39EA--60--9422-- 39EA--70--9422-- 39EA--80--9422--	1	1	1		1	1	1		1	1				
2	DAMPER LEVER	39EA--70--2762--	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4	NUT 5/16"-18	--AT--39AB-201012	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	WASHER 7/16" O.D.	--AU--02AA-101--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	JACK SHAFT	39EA--35--6332--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	SHAFT COUPLING	39EA--20--9542--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	SNAP-IN BUSHING 1/2"	--KT--58BZ-045--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	BRACKET	39EA--20--9412--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	DAMPER LEVER	39EA--40--2762--	2	2	2	2	2	2	2	2	2	2	2	2	2	2



**MIXING BOX (MXB) GROUP
TOP AND REAR ARRANGEMENT
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



**MIXING BOX (MXB) GROUP
TOP AND BOTTOM ARRANGEMENT
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

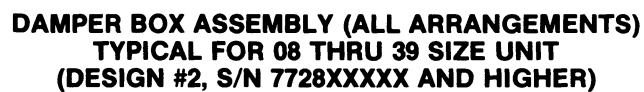
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E															
			08	10	12	15	18	21	26	32	39	48	57	75	90			
DAMPER BOX ASSEMBLY ALL ARRANGEMENTS (DESIGN #2) (S/N 7728XXXX AND HIGHER)																		
1	JACK SHAFT	39EA--55--6332-- 39EA--70--6332-- 39EA--20--6332-- 39EA--30--6332-- 39EA--45--6332--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED															
3	PUSH ON CLIP	--AS--01YK-200--	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
4	BLADE AND BRACKET ASSEMBLY	39EA--40-C-914-- 39EA--45-C-914-- 39EA--50-C-914-- 39EA--55-C-914--				2	2		2	2			6	6		6	6	
5	BLADE AND BRACKET ASSEMBLY	39EA--20-C-924-- 39EA--30-C-924-- 39EA--40-C-924-- 39EA--45-C-924-- 39EA--50-C-924-- 39EA--55-C-924--	4	4	4		4	4		4	4			9	9	12	12	
6	SHAFT 1/2" O.D.; 51.76" LG. 1/2" O.D.; 60.38" LG.	39EA--70--6332-- 39EA--20--6332--											1	1		1	1	
7	CENTER DAMPER SUPPORT PLATE	39EA--20--8002--											2	2	2	2		
8	BUSHING 1/2"	--KT--50NZ-045--	AS REQUIRED															
9	WASHER 1/2"	39EA--20--6672--	AS REQUIRED															
10	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED															
11	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED															
12	NUT 1/4"-20	--AT--60AG-171--	AS REQUIRED															
13	BLADE STOP	39EA--20--3677-- 39EA--30--3677-- 39EA--40--3677-- 39EA--45--3677-- 39EA--55--3677-- 39EA--70--3677-- 39EA--80--3677--	2	2	2		2	2		2	2		2	2		2	2	
14	SHAFT	39EA--20--6342-- 39EA--40--6342-- 39EA--55--6342-- 39EA--70--6342-- 39EA--50--6342--	2	2	2		2	2	2	2		2	2		3	3	3	
15	DAMPER PIN	39EA--20--6182--	2	2	2	4	4	4	4	6	6	12	12	15	15			
16	DAMPER PIN	39EA--20--6282--	2	2	2	2	2	2	2	2	2	3	3	3	3			

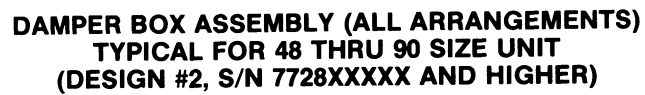


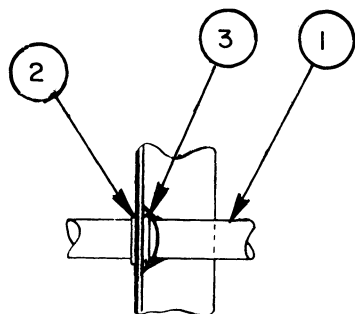
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

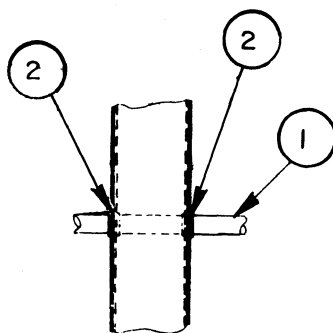
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
DAMPER BOX ASSEMBLY (CONT'D.) ALL ARRANGEMENTS (DESIGN #2) (S/N 7728XXXXX AND HIGHER)																
17	LINKAGE BAR	39EA--20--6352--	2	2	2	2	2	2	2	2	2	3	3	3	3	
18	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-257--	2	2	2	2	2	2	2	2	2	3	3	3	3	
19	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	2	2	3	3	3	3	
20	BUSHING 7/16"	--KT--58BZ-035--	2	2	2	2	2	2	2	2	2	3	3	3	3	
21	LINKAGE BAR	39EA--30--2762--	2	2	2	2	2	2	2	2	2	3	3	3	3	
22	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	4	4	4	6	6	6	6	8	8	15	15	18	18	
23	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	2	2	2	2	2	2	2	2	2	3	3	3	3	
24	NUT 5/16"-18	--AT--39AB-201012	2	2	2	2	2	2	2	2	2	3	3	3	3	
25	SHAFT COUPLING 1/2"	39EA--20--9542--											1	1	1	1



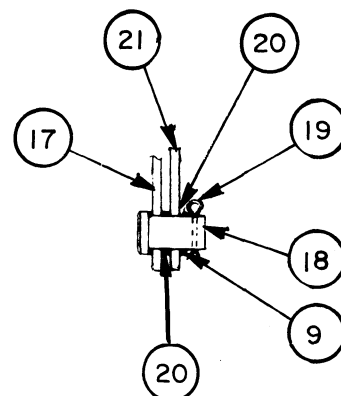




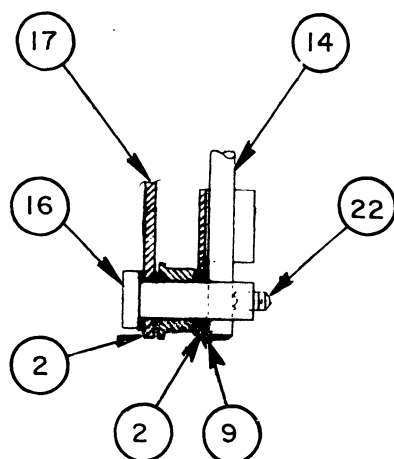
DETAIL "F"
(TYPICAL BOTH ENDS)



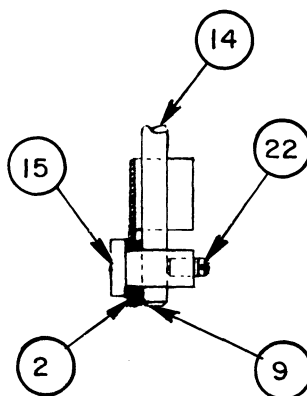
DETAIL "G"



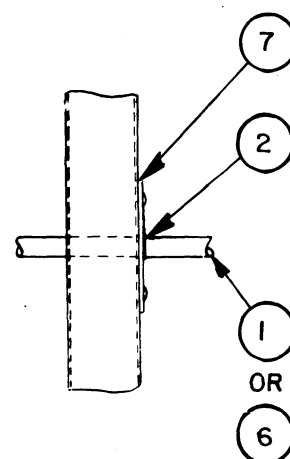
DETAIL "H"



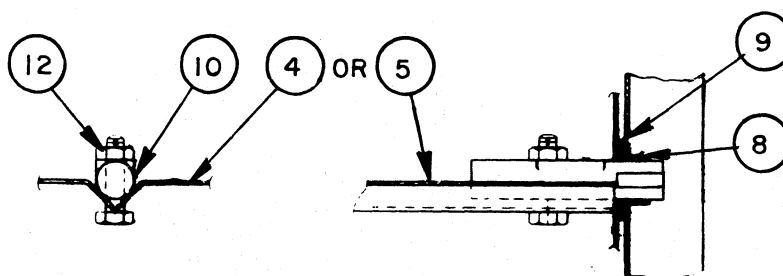
DETAIL "J"



DETAIL "K"



DETAIL "L"



DETAIL "M"

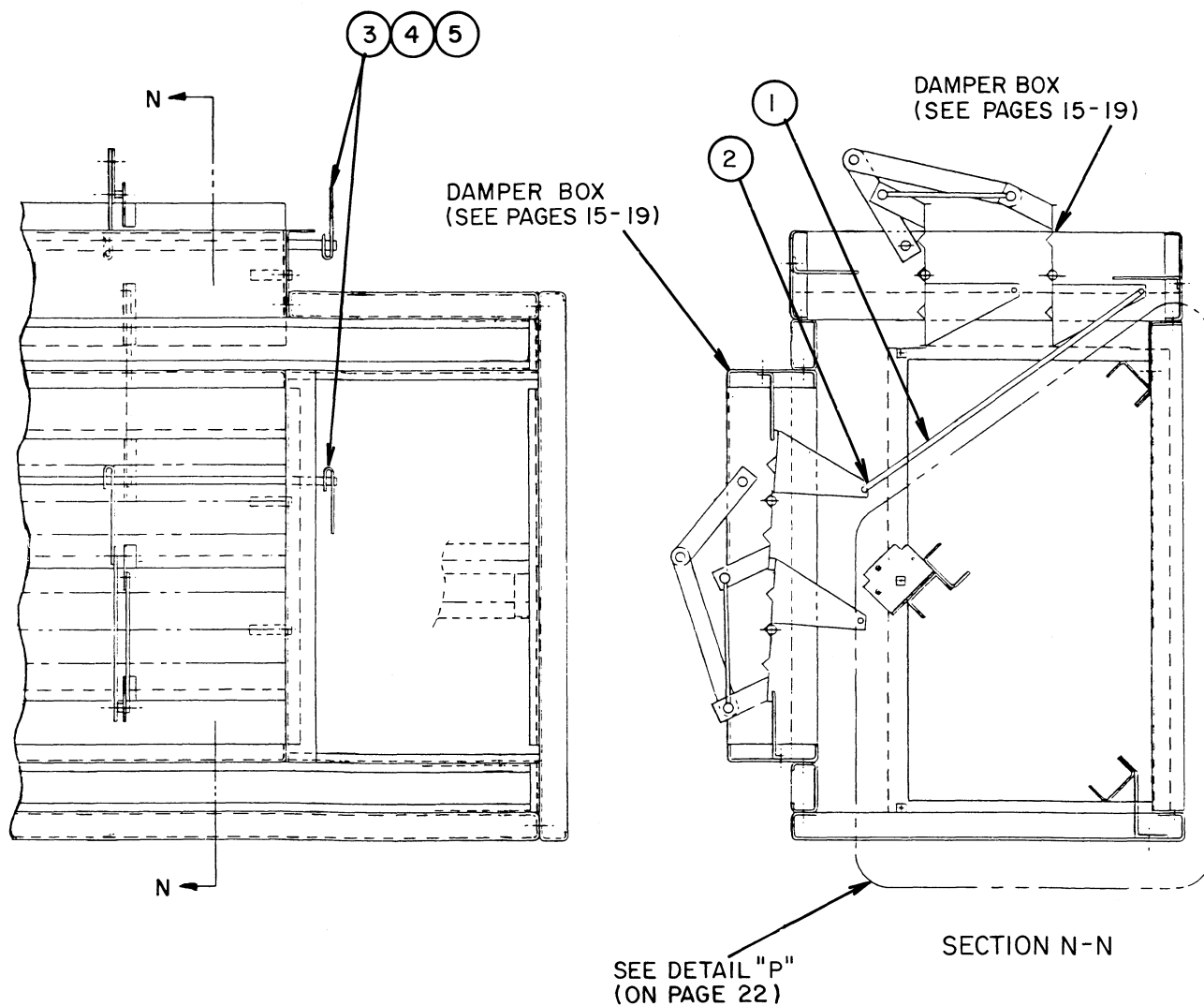
**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



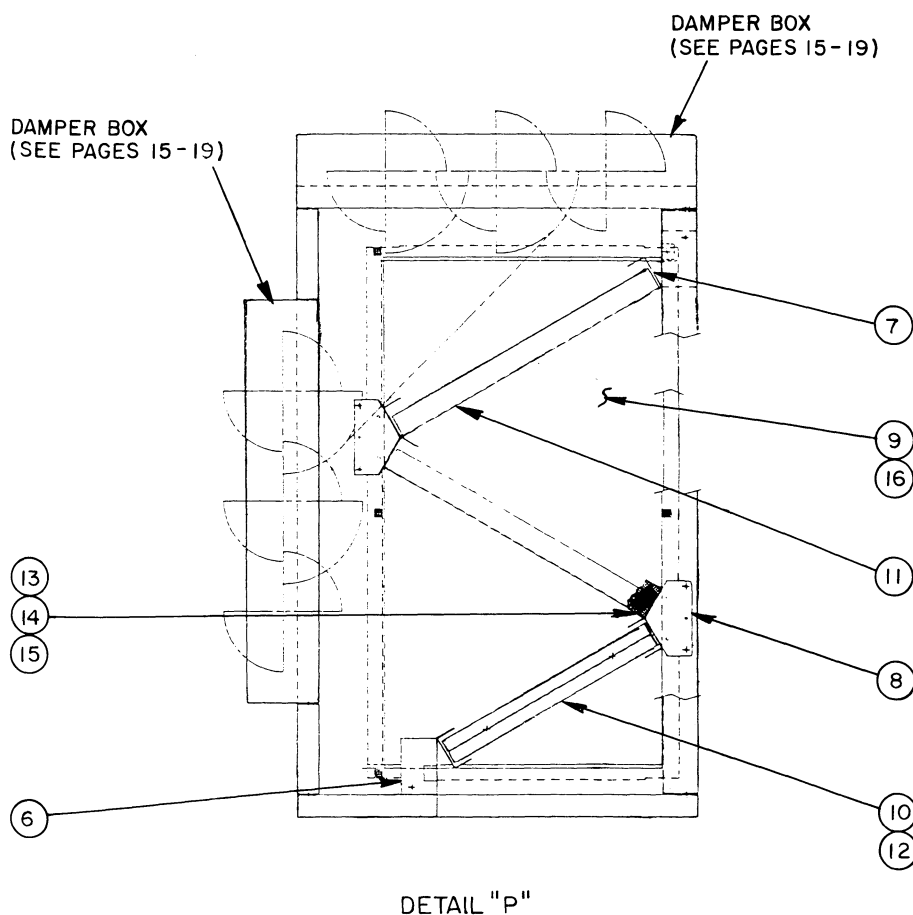
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E									
			08	11	13	17	19	23	29	36	39	
FILTER MIXING BOX (F.M.B.) GROUP TOP AND REAR ARRANGEMENTS BOTTOM AND REAR ARRANGEMENTS (DESIGN #3) (S/N 0186XXXXX AND HIGHER)												
1	CONNECTING ROD	39EA--20--9762-- 39EA--50--9762-- 39EA--55--9762-- 39EA--60--9762--	2	2	2	2	2	2		2		2
2	LINKAGE CONNECTOR	--HF--91BB-115--	4	4	4	4	4	4	4	4	4	4
3	DAMPER LEVER	39EA--70--2762--	4	4	4	4	4	4	4	4	4	4
4	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	4	4	4	4	4	4	4	4	4	4
5	NUT 5/16"-18	--AT--39AB-201012	4	4	4	4	4	4	4	4	4	4
6	BOTTOM FILTER TRACK AND BAFFLE ASSEMBLY	39EA--20-E-584-- 39EA--30-E-584-- 39EA--40-E-584-- 39EA--45-E-584-- 39EA--50-E-584-- 39EA--55-E-584-- 39EA--60-E-584--	1		1		1		1		1	1
7	TOP FILTER TRACK AND BAFFLE ASSEMBLY	39EA--20-E-584-- 39EA--30-E-584-- 39EA--40-E-584-- 39EA--45-E-584-- 39EA--50-E-594-- 39EA--55-E-594-- 39EA--60-E-584--	1		1		1		1		1	1
8	FILTER TRACK ASSEMBLY	39EA--20-G-783-- 39EA--30-G-783-- 39EA--40-G-783-- 39EA--45-G-783-- 39EA--55-G-783--	1		1		2	2		2	3	3
9	COVER	39EA--20--4174-- 39EA--40--4174-- 39EA--50--4174-- 39EA--60--4174--	2	2	2		2	2		2	2	2
10	SPACER	39EA--40--1552-- 39EA--55--1062--	4						2		4	
11	SPACER	39EA--50--3997--							2		2	4
12	SPEED CLIP	--AS--86NB-005--	8						2		4	
13	HEX HEAD SCREW 3/8"-16 X 3/4" LG.	--AC--73AB-228--	10	10	10	10	10	10	10	10	10	10
14	NUT 3/8"-16	--AT--39AB-241--	10	10	10	10	10	10	10	10	10	10
15	TYPE "D" SCREW 1/4"-20 X 3/4" LG.	--AK--92AB-168012	16	16	16	16	16	16	16	16	16	16
16	SEAL 1/4" X 1" X 150' POLYURETHANE FOAM (SPEC. #QR 10-2)	PAGE #1740	14'	14'	14'	19'	19'	19'	23'	23'	23'	27'



**FILTER MIXING BOX (FMB) GROUP
TYPICAL FOR TOP AND REAR ARRANGEMENT
(DESIGN #3, S/N 0186XXXXX AND HIGHER)**



**FILTER MIXING BOX (FMB) GROUP
TOP AND REAR ARRANGEMENT
23 SIZE UNIT
(DESIGN #3, S/N 0186XXXX AND HIGHER)**



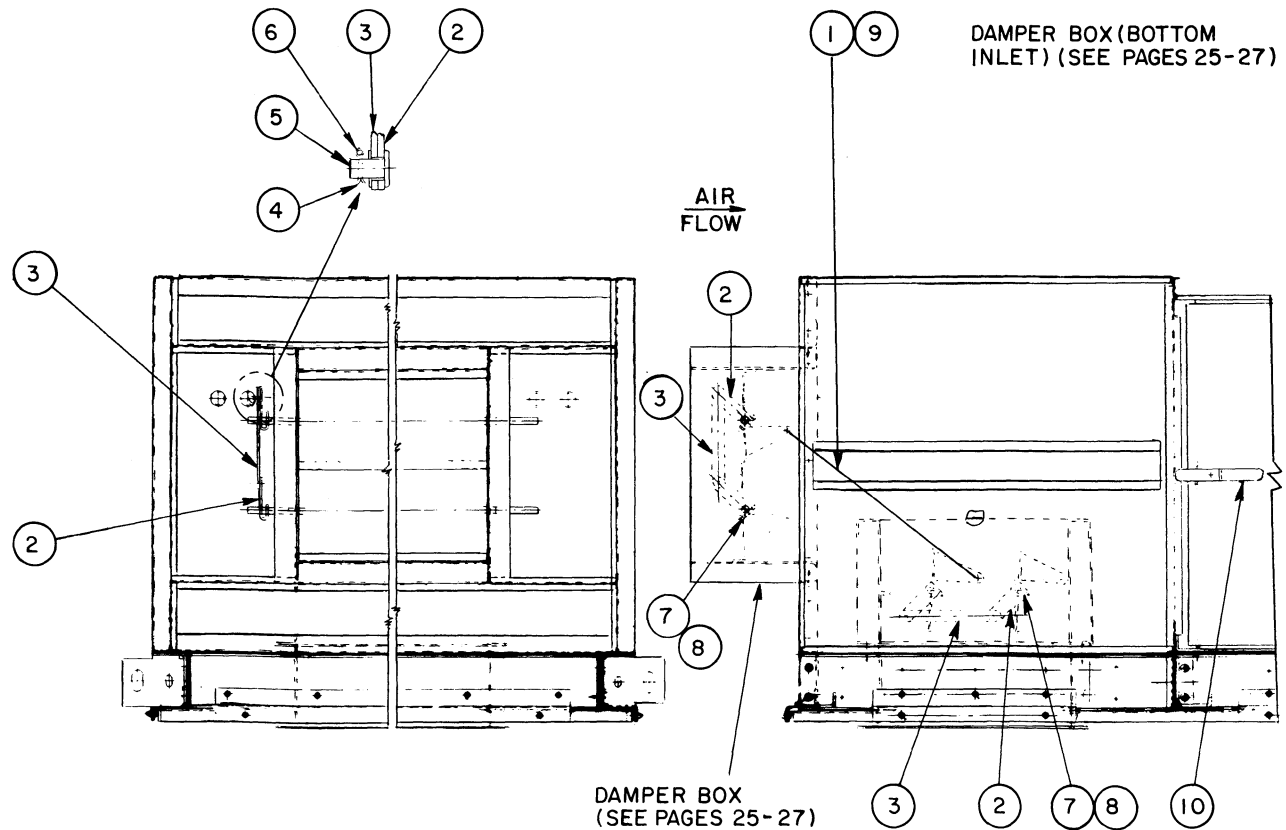
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E								
			08	11	13	17	19	23	29	36	39
DAMPER BOX ASSEMBLY ALL ARRANGEMENTS (DESIGN #3) (S/N 0186XXXXX AND HIGHER)											

NOTE: REFER TO DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS) (DESIGN #2) (S/N 7728XXXXX AND HIGHER),
ON PAGES 15 THROUGH 19 FOR REPLACEMENT PARTS.

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
39ER STANDARD MIXING BOX (MXB- 4) GROUP BOTTOM INLET (DESIGN #1) (S/N 7727XXXX AND LOWER)																
1	CONNECTING ROD	39ER--20--1623-- 39EA--50--3143-- 39EA--55--3143-- 39EA--60--3143-- 39EA--70--3143--	1	1	1					1						
2	DAMPER LEVER	39EA--20--1952--	4	4	4	6	6	6	6	8	8	10	10	12	12	
3	LINKAGE BAR	39EA--20--1692-- 39EA--30--1692-- 39EA--40--1692-- 39EA--45--1692-- 39ER--50--1182--	2	2	2		2	2	2							
4	WASHER	--AU--02AB-271--	4	4	4	6	6	6	6	8	8	10	10	12	12	
5	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	4	4	4	6	6	6	6	8	8	10	10	12	12	
6	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	4	4	4	6	6	6	6	8	8	10	10	12	12	
7	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	4	4	4	6	6	6	6	8	8	10	10	12	12	
8	NUT 5/16"-18	--AT--39AB-201012	4	4	4	6	6	6	6	8	8	10	10	12	12	
9	LINKAGE CONNECTOR	--HF--91BB-115--	2	2	2	2	2	2	2	2	2	2	2	2	2	
10	LATCH HANDLE	39EA--20--4962--	1	1	1	1	1	1	1	1	1	1	1	1	1	
NI/11	RAINHOOD ASSEMBLY	39EA--20-B-784-- 39EA--30-B-784-- 39EA--40-B-784-- 39EA--45-B-784-- 39EA--50-B-784-- 39EA--55-B-784--	1		1											



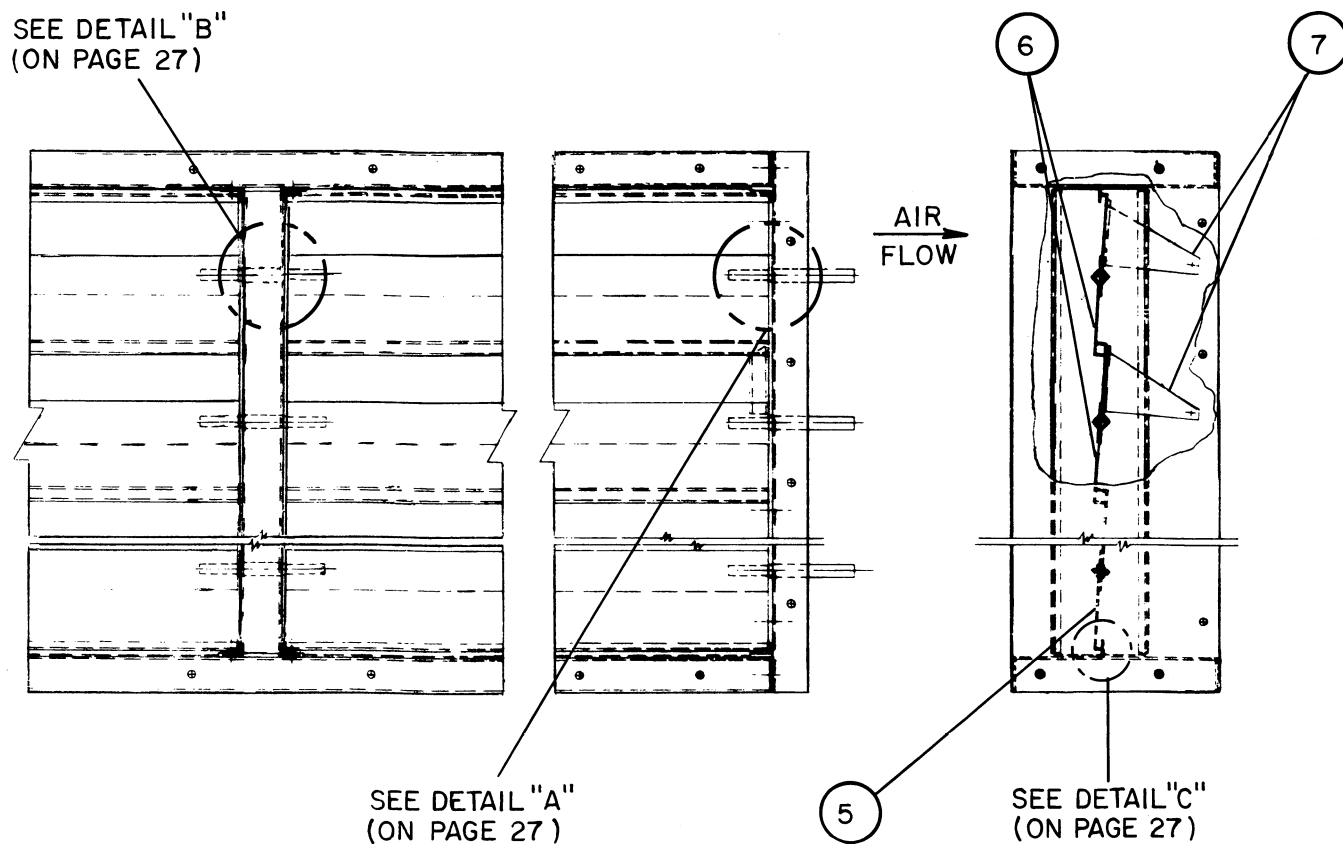
**39ER STANDARD MIXING BOX (MXB-4) GROUP
BOTTOM INLET
08 THRU 90 SIZE UNIT
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



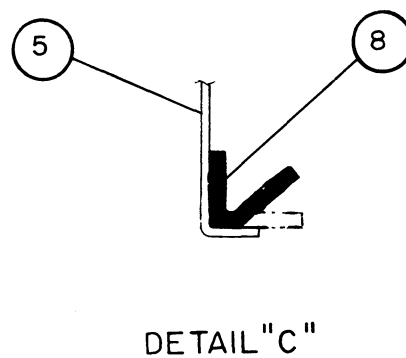
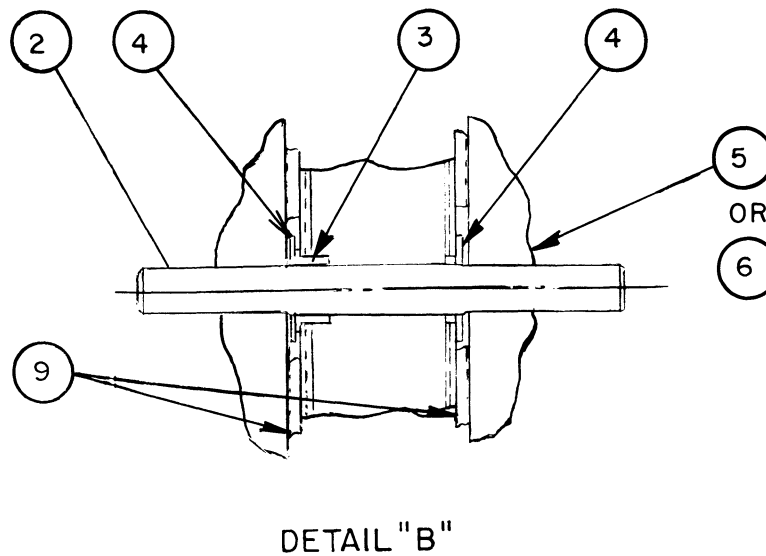
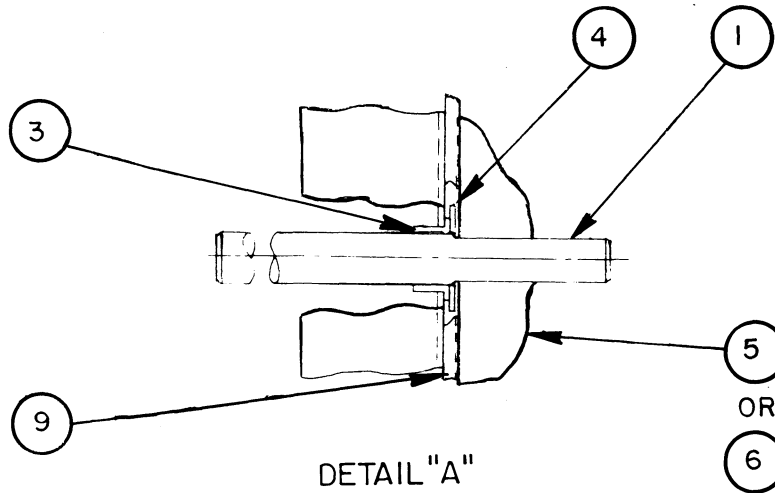
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
DAMPER BOX ASSEMBLY ALL ARRANGEMENTS (DESIGN #1) (S/N 7727XXXXX AND LOWER)																
1	END SHAFT	39EA--20--1902--	4	4	4	6	6	6	6	8	8	10	10	12	12	
2	CENTER SHAFT	39EA--30--1902--	2	2	2	3	3	3	3	4	4	10	10	12	12	
3	FLANGE TYPE BUSHING	--KT--50NZ-008--	6	6	6	9	9	9	9	12	12	20	20	24	24	
4	WASHER	39EA--20--2042--	AS REQUIRED													
5	BLADE ASSEMBLY	39EA--60---813--	2													
		39EA--70---813--		2	2											
		39EA--20-A-163--				4	4									
		39EA--30-A-163--						4	4							
		39EA--40-A-163--								6	6			16	16	
		39EA--55-A-163--										13	13			
6	DAMPER BLADE	39EA--60--2723--	4													
		39EA--70--2723--		4	4											
		39EA--20--3273--				4	4									
		39EA--30--3273--						4	4							
		39EA--40--3273--								4	4			4	4	
		39EA--55--3273--										4	4			
7	DAMPER BLADE BRACKET	39EA--20--1912--	2	2	2	2	2	2	2	2	2	2	2	2	2	
8	DAMPER SEAL	39ER--20--1452--	AS REQUIRED													
9	DAMPER BLADE SEAL	39ER--20--1572--	4	4	4											
		39ER--40--1572--				4	4	4	4							
		39ER--55--1572--								4	4					
		39ER--70--1572--										6	6			
		39ER--80--1572--												6	6	



**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	

39ER STANDARD MIXING BOX (MXB-4) GROUP BOTTOM INLET (DESIGN #2) (S/N 7728XXXXX AND HIGHER)

1	CONNECTING ROD	39ER--20--1623-- 39EA--50--3143-- 39EA--55--3143-- 39EA--60--3143-- 39EA--70--3143--	2	2	2					2						
2	DAMPER LEVER	39EA--70--2762--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	LINKAGE CONNECTOR	--HF--91BB-115--	4	4	4	4	4	4	4	4	4	6	6	6	6	
4	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	NUT 5/16"-18	--AT--39AB-201012	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	LATCH HANDLE	39EA--20--4962--	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NI/7	RAINFOOD ASSEMBLY	39EA--20-B-784-- 39EA--30-B-784-- 39EA--40-B-784-- 39EA--45-B-784-- 39EA--40-B-784-- 39EA--55-B-784--	1		1		1	1		1						

DAMPER BOX ASSEMBLY ALL ARRANGEMENTS (DESIGN #2) (S/N 7728XXXXX AND HIGHER)

1	JACK SHAFT (NOT USED FOR BOTTOM INLET DAMPER BOX)	39EA--55--6332-- 39EA--70--6332-- 39EA--20--6332-- 39EA--30--6332-- 39EA--45--6332--	1		1											
2	BUSHING 1/2"	--KT--58BZ-045--														
3	BLADE AND BRACKET ASSEMBLY	39EA--40-C-914-- 39EA--45-C-914-- 39EA--50-C-914-- 39EA--55-C-914--				2	2		2	2				9	9	12 12
4	BLADE AND BRACKET ASSEMBLY	39EA--20-D-104-- 39EA--40-D-104-- 39EA--45-D-104-- 39EA--55-D-104-- 39EA--70-D-104-- 39EA--80-D-104--	1		1		1	1		1	1		1	1		1

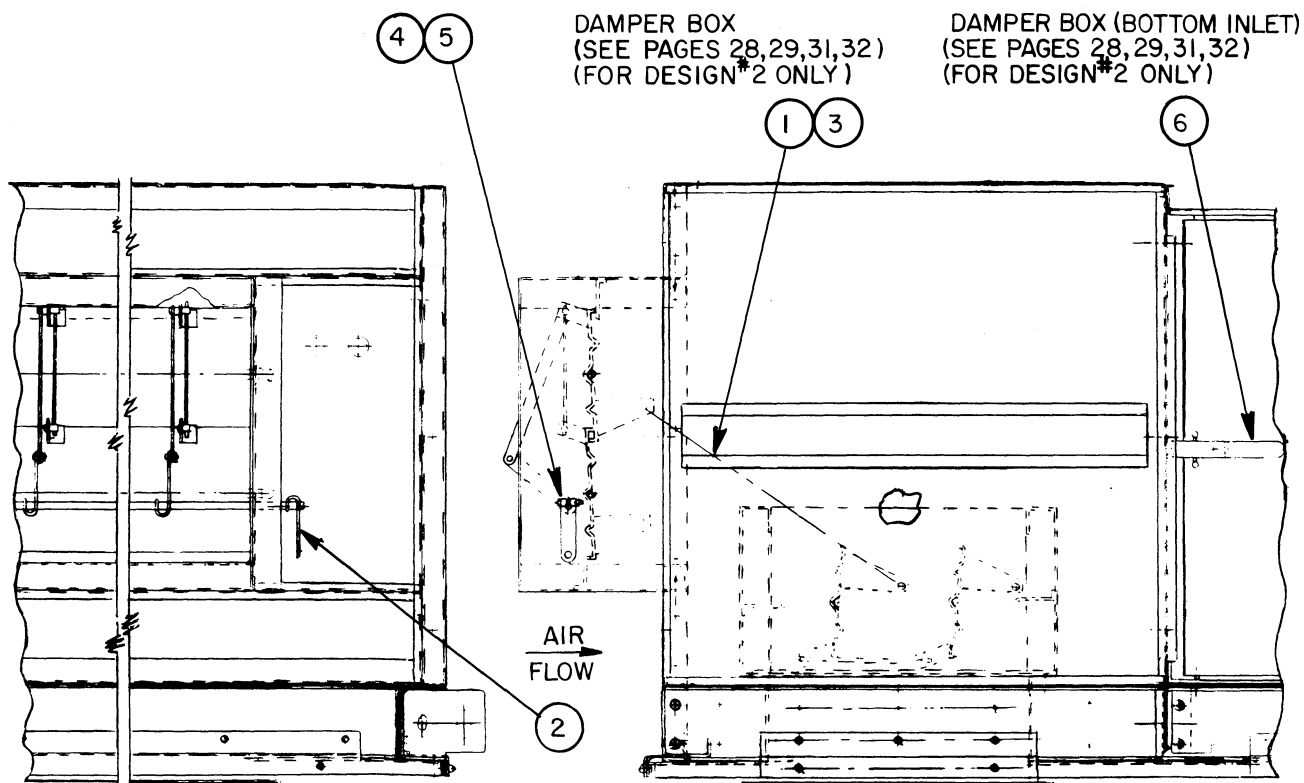
AS REQUIRED



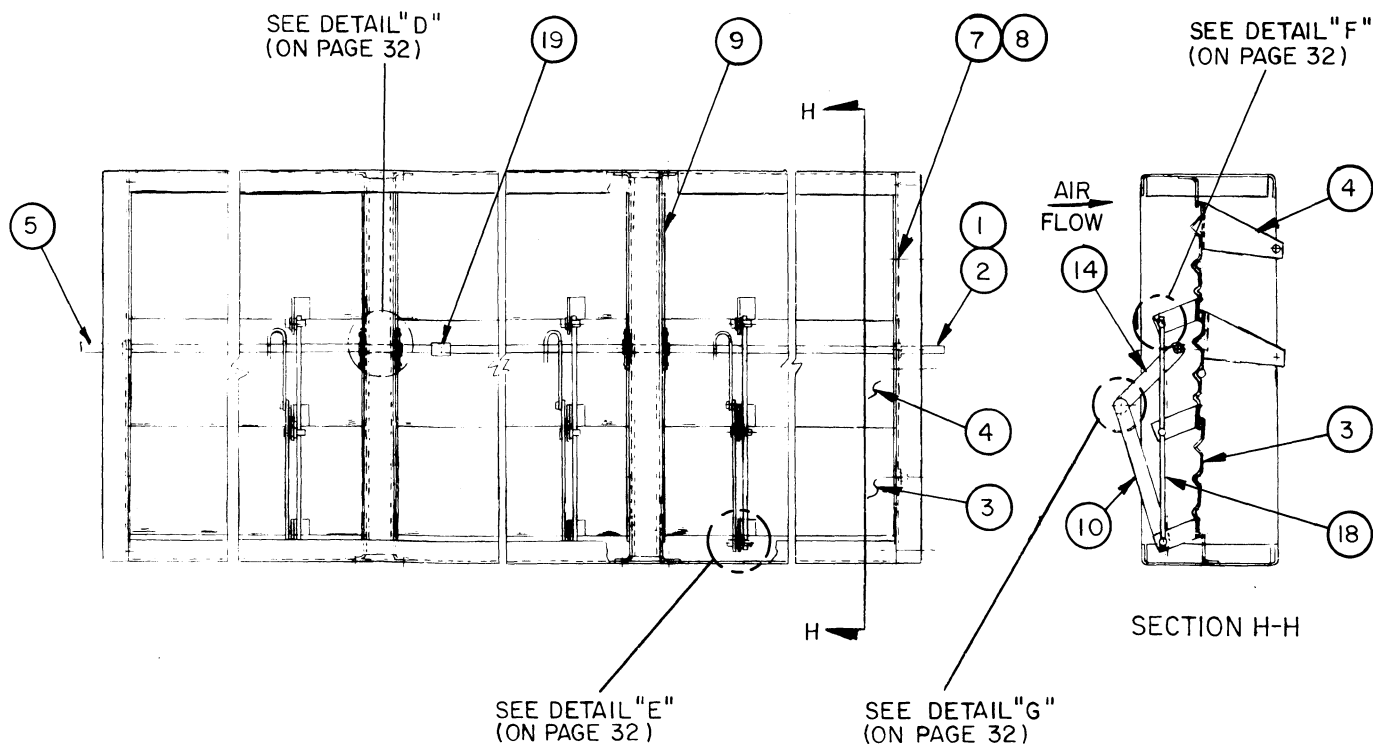
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

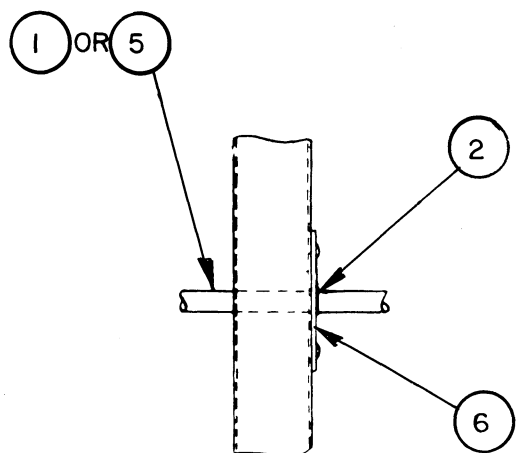
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER															
			08	10	12	15	18	21	26	32	39	48	57	75	90			
DAMPER BOX ASSEMBLY (CONT'D.) ALL ARRANGEMENTS (DESIGN #2) (S/N 7728XXXX AND HIGHER)																		
5	SHAFT 1/2" O.D.; 51.76" LG. 1/2" O.D.; 60.38" LG.	39EA--70--6332-- 39EA--20--6332--											1	1		1	1	
6	CENTER DAMPER SUPPORT PLATE	39EA--20--8002--											2	2	2	2		
7	BUSHING 1/2"	--KT--50NZ-045--	AS REQUIRED															
8	WASHER 1/2" (ONLY USED FOR BOTTOM INLET DAMPER BOX)	39EA--20--6672--	AS REQUIRED															
9	DAMPER SEAL (NOT USED FOR BOTTOM INLET DAMPER BOX)	39ER--20--1572-- 39ER--40--1572-- 39ER--55--1572-- 39ER--70--1572-- 39ER--80--1572--	4	4	4		4	4	4	4		4	4		6	6	6	
10	LINKAGE BAR (NOT USED FOR BOTTOM INLET DAMPER BOX)	39EA--20--6352--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
11	COTTER PIN 1/8" DIA. X 1" LG. (NOT USED FOR BOTTOM INLET DAMPER BOX)	--AX--01AB-042--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
12	CLEVIS PIN 7/16" DIA. X 15/16" LG. (NOT USED FOR BOTTOM INLET DAMPER BOX)	--AX--16AU-257--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
13	BUSHING 7/16"	--KT--58BZ-035--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
14	LINKAGE BAR (NOT USED ON BOTTOM INLET DAMPER BOX)	39EA--30--2762--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
15	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED															
16	DAMPER PIN	39EA--20--6182--	AS REQUIRED															
17	DAMPER PIN (NOT USED ON BOTTOM INLET DAMPER BOX)	39EA--20--6282--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
18	SHAFT	39EA--20--6342-- 39EA--40--6342-- 39EA--55--6342-- 39EA--70--6342-- 39EA--50--6342--	2	2	2		2	2	2	2		2	2		3	3	3	
19	COUPLING SHAFT (NOT USED ON BOTTOM INLET DAMPER BOX)	39EA--20--6472--													1	1	1	
20	SPACER	39EA--20--6652--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		



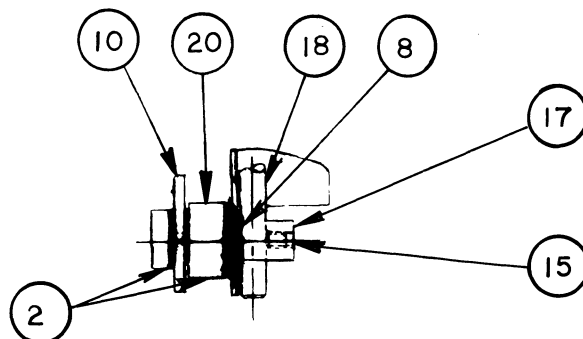
**39ER STANDARD MIXING BOX (MXB-4) GROUP
BOTTOM INLET
08 THRU 90 SIZE UNIT
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



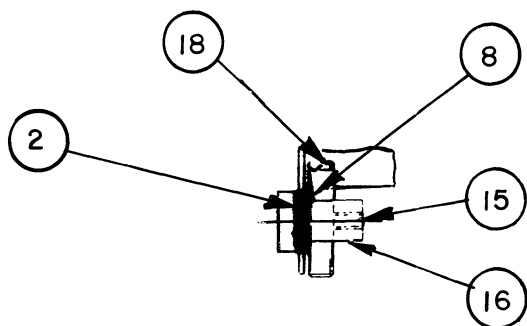
**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



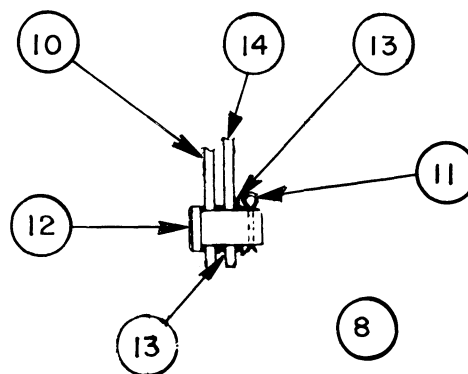
DETAIL "D"



DETAIL "E"



DETAIL "F"



DETAIL "G"

**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER															
				11	13	17	19	23	29	36								
			08	10	12	15	18	21	26	32	39	48	57	75	90			

39ER STANDARD MIXING BOX (MXB-4) GROUP
BOTTOM INLET
(DESIGN #3) (S/N 1483XXXXX AND HIGHER)

NOTE: THE 39ER (MXB-4) BOTTOM INLET DESIGN #3 IS THE SAME AS THE 39ER (MXB-4)
BOTTOM INLET DESIGN #2 ON PAGES 28 AND 30, EXCEPT FOR THE FOLLOWING CHANGES:

1	CONNECTING ROD	39EA--20--9762-- 39EA--40--1992-- 39EA--60--9762-- 39EA--80--1992--	2	2	2		2	2	2		2	2	3	3		3	3
---	----------------	--	---	---	---	--	---	---	---	--	---	---	---	---	--	---	---

IMPORTANT: FOR THE DAMPER BOX ASSEMBLY DESIGN #3, SEE PAGES 33 THROUGH 37.

DAMPER BOX ASSEMBLY ALL ARRANGEMENTS (DESIGN #3) (S/N 1483XXXXX AND HIGHER)

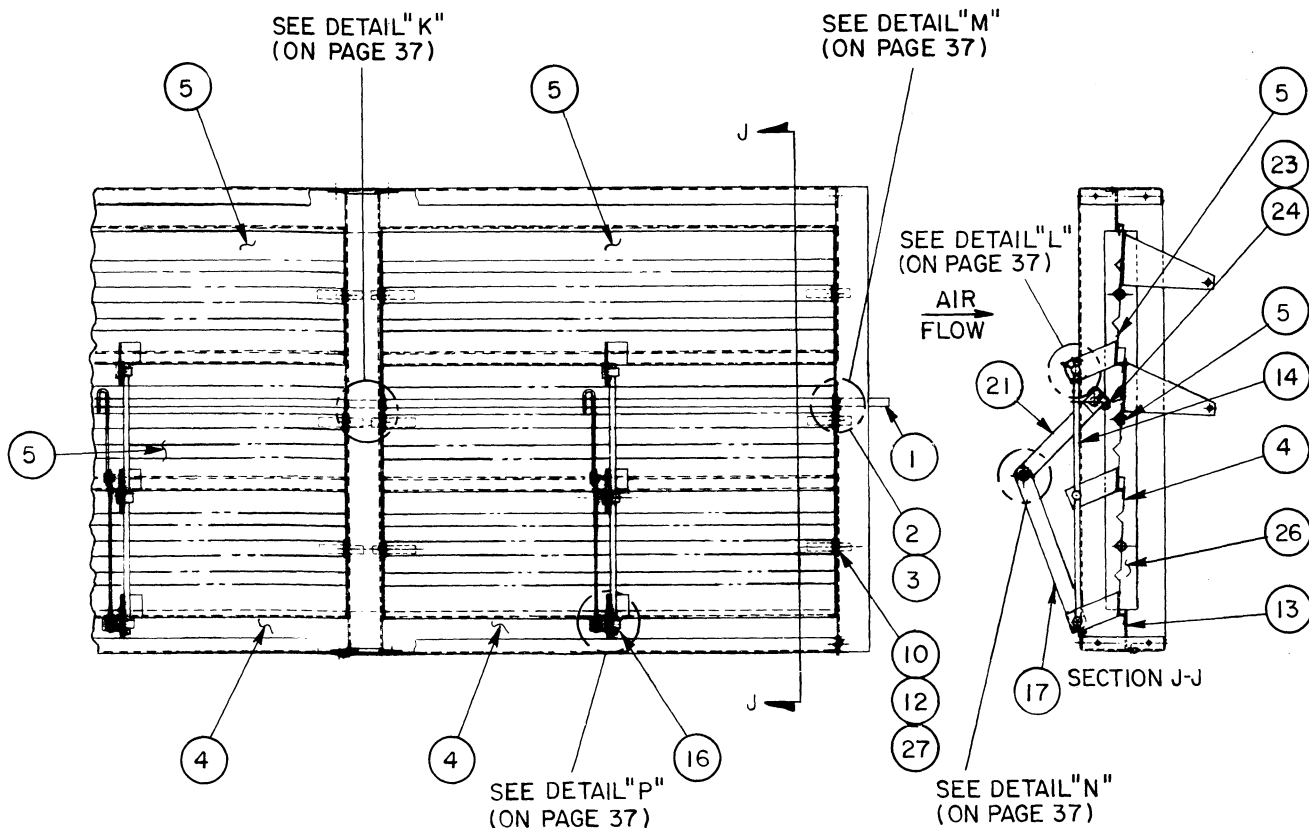
1	JACK SHAFT	39EA--55--6332-- 39EA--70--6332-- 39EA--20--6332-- 39EA--30--6332-- 39EA--45--6332--	1	1	1		1	1		1	1		1	1	1	1
2	BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED													
3	PUSH ON CLIP	--AS--01YK-200--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	BLADE AND BRACKET ASSEMBLY	39EA--40-C-914-- 39EA--45-C-914-- 39EA--55-C-914-- 39EA--50-C-914--				2	2		2	2		2	2		6	6
5	BLADE AND BRACKET ASSEMBLY	39EA--20-C-924-- 39EA--30-C-924-- 39EA--40-C-924-- 39EA--45-C-924-- 39EA--55-C-924-- 39EA--50-C-924--	4	4	4		4	4		4	4		6	6		12
6	SHAFT 1/2" O.D.; 51.76" LG. 1/2" O.D.; 60.38" LG.	39EA--70--6332-- 39EA--20--6332--											9	9		12
7	CENTER DAMPER SUPPORT PLATE	39EA--20--8002--											2	2	2	2
8	BUSHING 1/2"	--KT--50NZ-045--	AS REQUIRED													
9	WASHER 1/2"	39EA--20--6672--	AS REQUIRED													
10	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED													



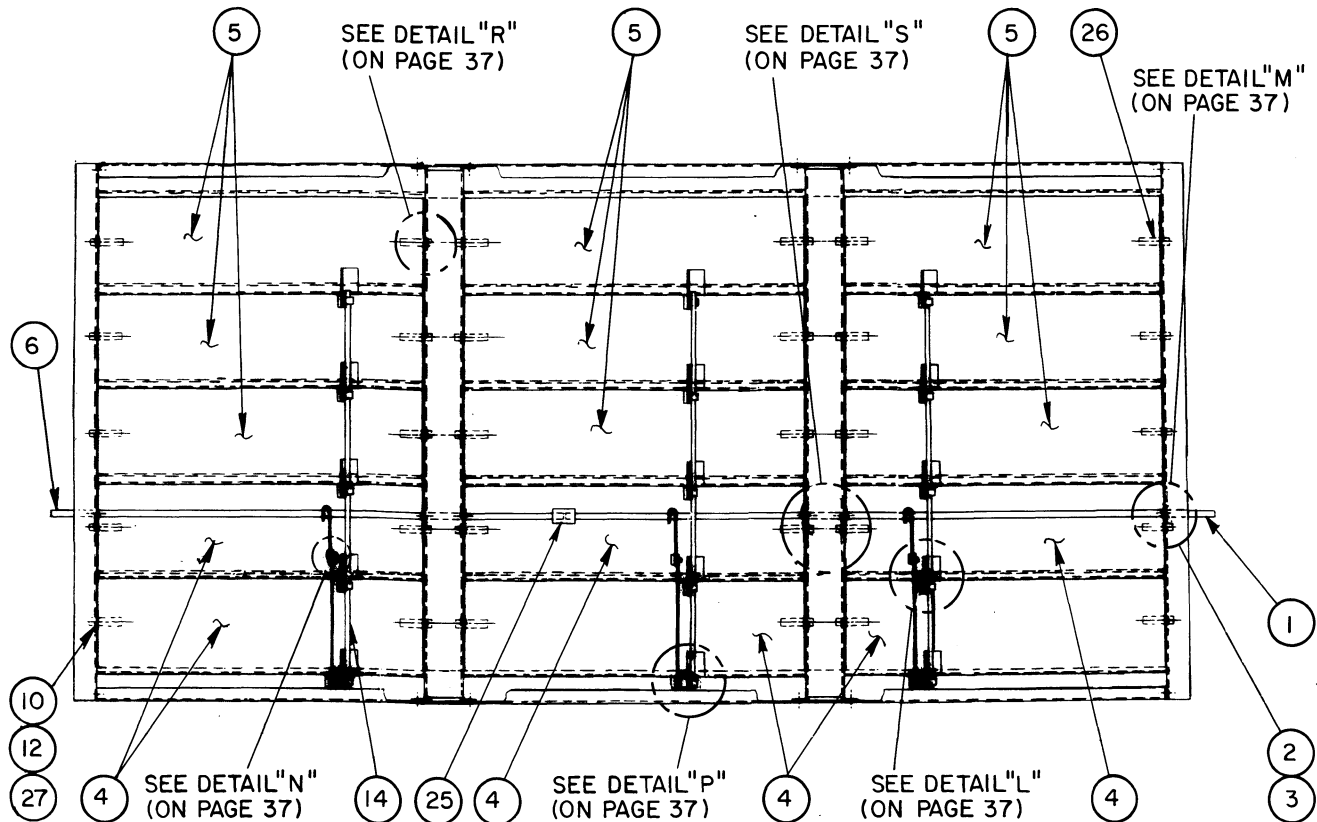
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

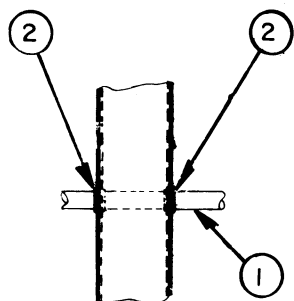
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER															
			11	13	17	19	23	29	36									
			08	10	12	15	18	21	26	32	39	48	57	75	90			
DAMPER BOX ASSEMBLY (CONT'D.) ALL ARRANGEMENTS (DESIGN #3) (S/N 1483XXXXX AND HIGHER)																		
11	NYLON WASHER 1/2" (NOT USED FOR BOTTOM INLET DAMPER BOX)	39EA--20--6702--	8	8	8	12	12	12	12	16	16	30	30	36	36			
12	NUT 1/4"-20	--AT--60AG-171--	AS REQUIRED															
13	BLADE STOP	39EA--20--3677-- 39EA--30--3677-- 39EA--40--3677-- 39EA--45--3677-- 39EA--55--3677-- 39EA--70--3677-- 39EA--80--3677--	2															
				2	2													
						2	2											
								2	2									
										2	2							
												2	2					
														2	2			
																2	2	
14	SHAFT	39EA--20--6342-- 39EA--40--6342-- 39EA--55--6342-- 39EA--70--6342-- 39EA--50--6342--	2	2	2			2	2	2	2							
												2	2					
														3	3			
																3	3	
15	DAMPER PIN	39EA--20--6182--	AS REQUIRED															
16	DAMPER PIN	39EA--20--6282--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
17	LINKAGE BAR	39EA--20--6352--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
18	CLEVIS PIN 7/16" DIA X 15/16" LG.	--AX--16AU-257--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
19	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
20	BUSHING 7/16"	--KT--58BZ-035--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
21	LINKAGE BAR	39EA--30--2762--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
22	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED															
23	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
24	NUT 5/16"-18	--AT--39AB-201--	2	2	2	2	2	2	2	2	2	2	3	3	3	3		
25	COUPLING SHAFT 1/2"	39EA--20--9542--												1	1	1	1	
26	DAMPER SEAL (NOT USED FOR BOTTOM INLET DAMPER BOX)	39ER--20--1982-- 39ER--40--1982-- 39ER--55--1982-- 39ER--70--1982-- 39ER--80--1982--	4	4	4			4	4	4	4			4	4			
																6	6	
																		6
27	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED															



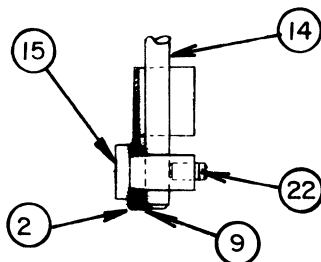
**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
TYPICAL FOR 08 THRU 39 SIZE UNIT
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**



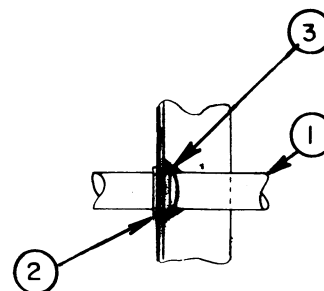
**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
TYPICAL FOR 48 THRU 90 SIZE UNIT
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**



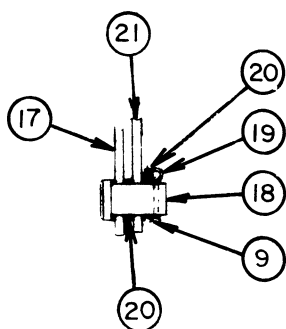
DETAIL "K"



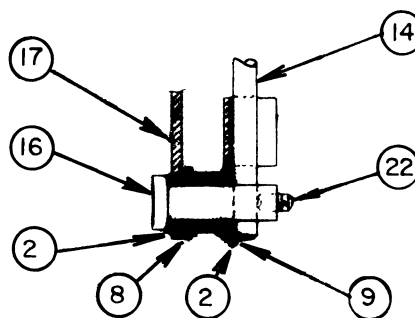
DETAIL "L"



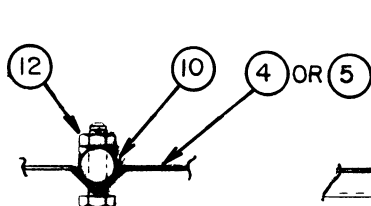
DETAIL "M"



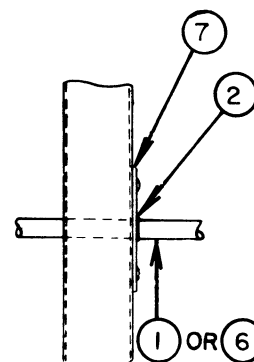
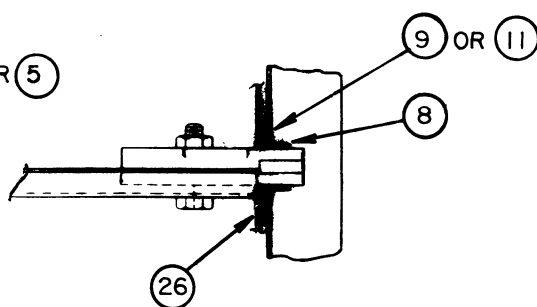
DETAIL "R"



DETAIL "P"



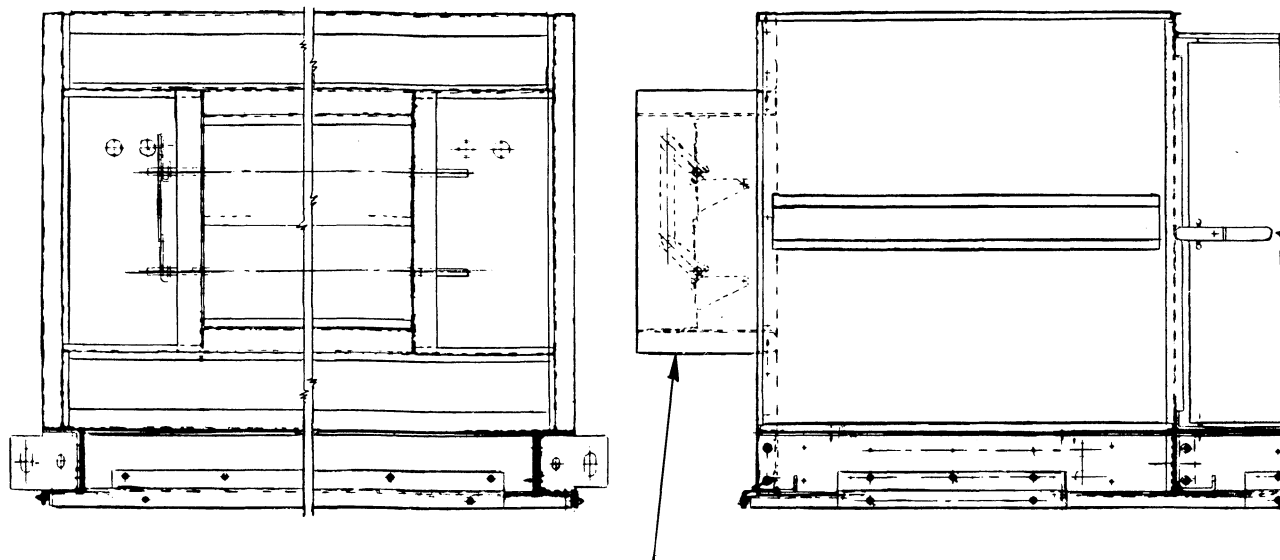
DETAIL "R"



DETAIL "S"

**DAMPER BOX ASSEMBLY (ALL ARRANGEMENTS)
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**

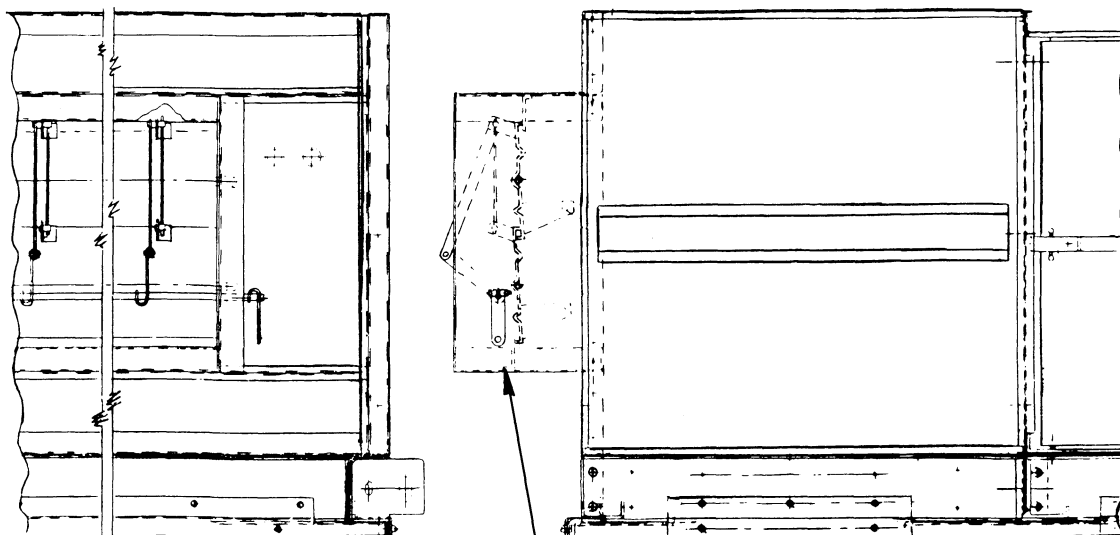
**39ER 100% OUTSIDE AIR MIXING BOX (MXB-5) ASSEMBLY
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



**DAMPER BOX
(SEE PAGES 25 - 27)**

**NOTE: 39ER MXB-5 DESIGN #1 IS THE SAME AS
39ER MXB-4 DESIGN #1 ON PAGES 23-24
EXCEPT OMIT: ITEMS #1 AND 9.**

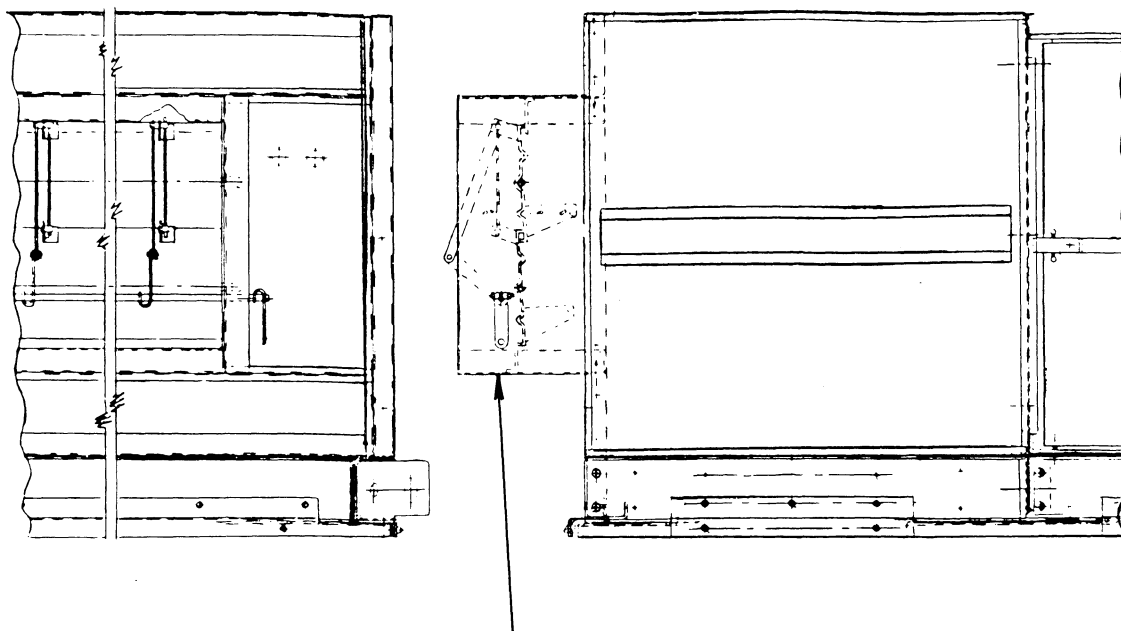
**39ER 100% OUTSIDE AIR MIXING BOX (MXB-5) ASSEMBLY
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



**DAMPER BOX
(SEE PAGES 28 - 32)**

**NOTE: 39ER MXB-5 DESIGN #2 IS THE SAME AS 39ER MXB-4
DESIGN #2 ON PAGES 28 AND 30 EXCEPT OMIT:
ITEMS #1 AND 3.**

**39ER 100% OUTSIDE AIR MIXING BOX (MXB-5) ASSEMBLY
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**



DAMPER BOX
(SEE PAGES 33-37)

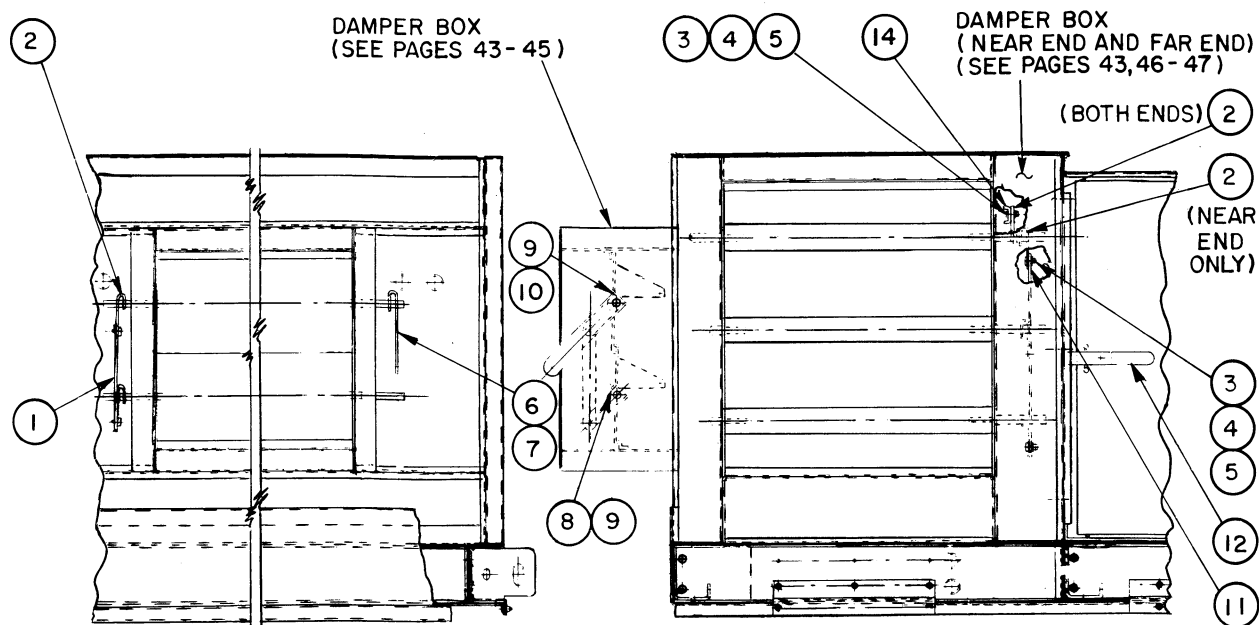
**NOTE: 39ER MXB-5 DESIGN #3 IS THE SAME AS
39ER MXB-4 DESIGN #3 ON PAGES 28, 30 AND 33
EXCEPT OMIT: ITEM #1 AND IS THE SAME AS
DESIGN #2 ON PAGES 28 AND 30 EXCEPT OMIT:
ITEMS #1 AND 3.**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
39ER MIXING BOX (MXB-6) GROUP WITH OUTSIDE OR EXHAUST AIR DAMPER BOXES (DESIGN #1) (S/N 7727XXXX AND LOWER)																
1	LINKAGE BAR	39EA--20--1692-- 39EA--30--1692-- 39EA--40--1692-- 39EA--45--1692-- 39EA--50--1182--	1	1	1		1	1	1	1		1	1		1	1
2	DAMPER LEVER	39EA--20--1952--	AS REQUIRED													
3	WASHER	--AU--02AB-271--	AS REQUIRED													
4	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	AS REQUIRED													
5	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	AS REQUIRED													
6	LEVER	39ER--20--1202--	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	LINKAGE CONNECTOR	--HF--91BB-115--	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	AS REQUIRED													
9	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED													
10	SCREW 5/16"-18 X 1-1/2" LG.	--AA--06BS-203--	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	LINKAGE BAR	39EA--30--1592-- 39EA--45--1692-- 39ER--50--1182-- 39ER--60--1182-- 39ER--70--1182-- 39ER--80--1182--	1	1	1		1	1	1		1	1			1	1
12	LATCH HANDLE	39EA--20--4962--	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NI/13	RAINHOOD ASSEMBLY	39ER--20--204-- 39ER--40--204-- 39ER--50--204-- 39ER--55--204-- 39ER--60--204-- 39ER--70--204-- 39ER--80--204--	2	2	2		2	2	2		2		2			
14	CONNECTING ROD	39ER--20--1192-- 39ER--30--1192-- 39ER--40--1192-- 39ER--45--1192-- 39ER--55--1192-- 39ER--70--1192-- 39ER--80--1192--	1		1	1		1	1		1	1		1	1	1



**39ER MIXING BOX (MXB-6) GROUP
WITH OUTSIDE OR EXHAUST AIR DAMPER BOXES
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

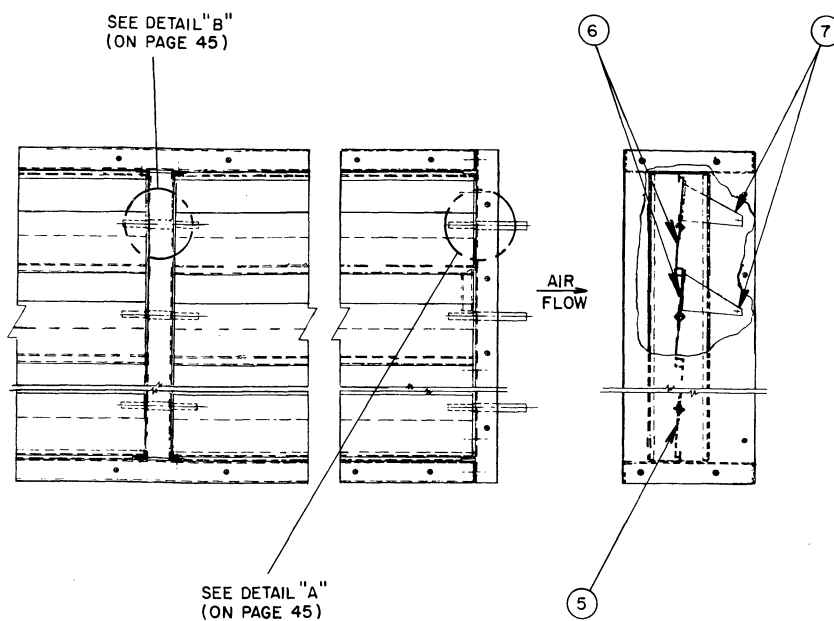
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	

DAMPER BOX (WITHOUT SEALS) ASSEMBLY (DESIGN #1) (S/N 7727XXXX AND LOWER)

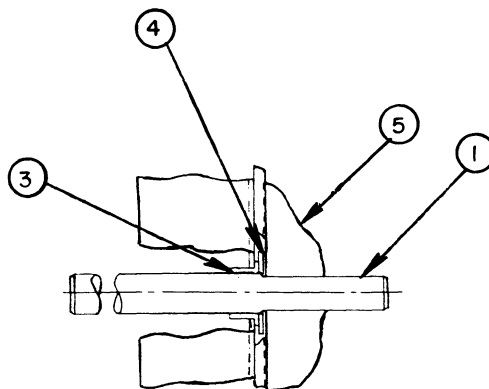
1	END SHAFT	39EA--20--1902--	4	4	4	6	6	6	6	8	8	10	10	12	12
2	CENTER SHAFT	39EA--30--1902--	2	2	2	3	3	3	3	4	4	10	10	12	12
3	FLANGE TYPE BUSHING	--KT--50NZ-008--	6	6	6	9	9	9	9	12	12	20	20	24	24
4	WASHER	39EA--20--2042--	AS REQUIRED												
5	BLADE ASSEMBLY	39EA--60---813--	2												
		39EA--70---813--		2	2										
		39EA--20-A-163--				4	4								
		39EA--30-A-163--						4	4						
		39EA--40-A-163--								6	6			6	6
		39EA--55-A-163--										13	13		
6	DAMPER BLADE	39EA--60--2723--	4												
		39EA--70--2723--		4	4										
		39EA--20--3273--				4	4								
		39EA--30--3273--						4	4						
		39EA--40--3273--								4	4			4	4
		39EA--50--3273--										4	4		
7	DAMPER BLADE BRACKET	39EA--20--1912--	2	2	2	2	2	2	2	2	2	2	2	2	2

DAMPER BOX (OUTSIDE OR EXHAUST AIR) ASSEMBLY (DESIGN #1) (S/N 7727XXXX AND LOWER)

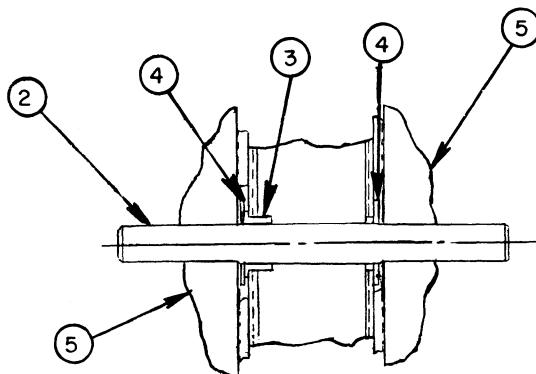
1	END SHAFT	39EA--20--1902--	4	4	4	6	6	6	7	7	9	10	10	13	13
2	END SHAFT	39EA--20--1082--	2	2	2	4	4	4	5	5	7	8	8	11	11
3	FLANGE TYPE BUSHING	--KT--50NZ-008--	6	6	6	10	10	10	12	12	16	18	18	24	24
4	WASHER	39EA--20--2042--	AS REQUIRED												
5	BLADE ASSEMBLY	39EA--70---813--	3	3	3										
		39EA--20-A-163--				5	5	5	6						
		39EA--30-A-163--								6	8				
		39EA--40-A-163--										9	9		
		39EA--45-A-163--												12	12
6	DAMPER SEAL	39ER--20--1452--	AS REQUIRED												
7	DAMPER BLADE SEAL	39ER--40--1572--	2	2	2										
		39ER--70--1572--				2	2	2							
		39ER--80--1572--							2	2					
		39ER--60--1602--									2				
		39ER--70--1602--										2	2		
		39ER--80--1602--												2	2



**DAMPER BOX (WITHOUT SEALS) ASSEMBLY
(DESIGN #1, S/N 7727XXXXX AND LOWER)**

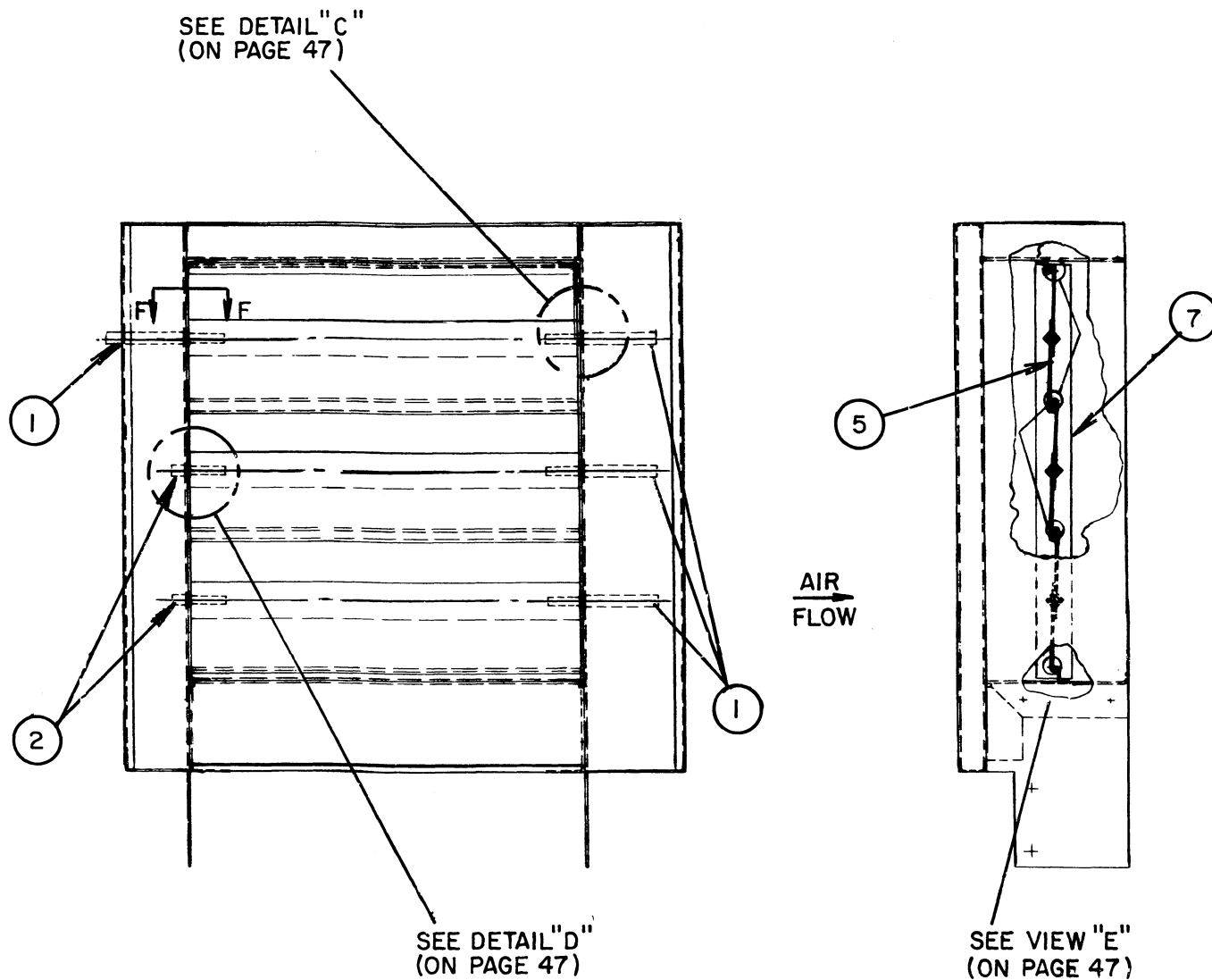


DETAIL "A"

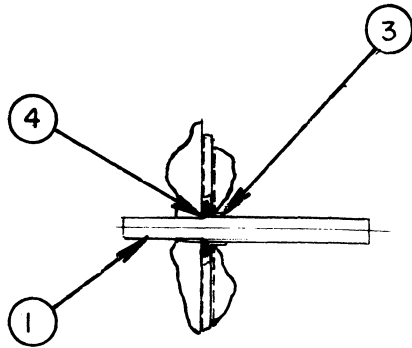


DETAIL "B"

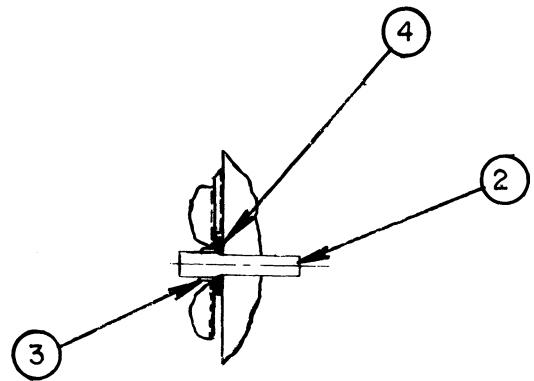
**DAMPER BOX (WITHOUT SEALS) ASSEMBLY
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



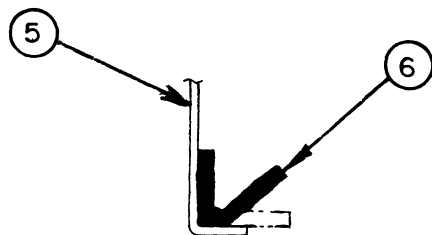
**DAMPER BOX (OUTSIDE OR EXHAUST AIR) ASSEMBLY
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



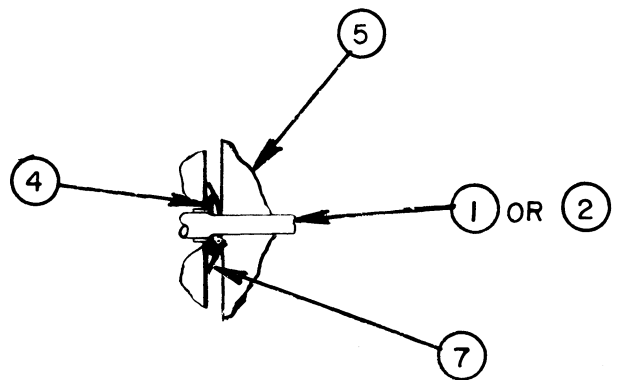
DETAIL "C"



DETAIL "D"



VIEW "E"



SECTION F-F

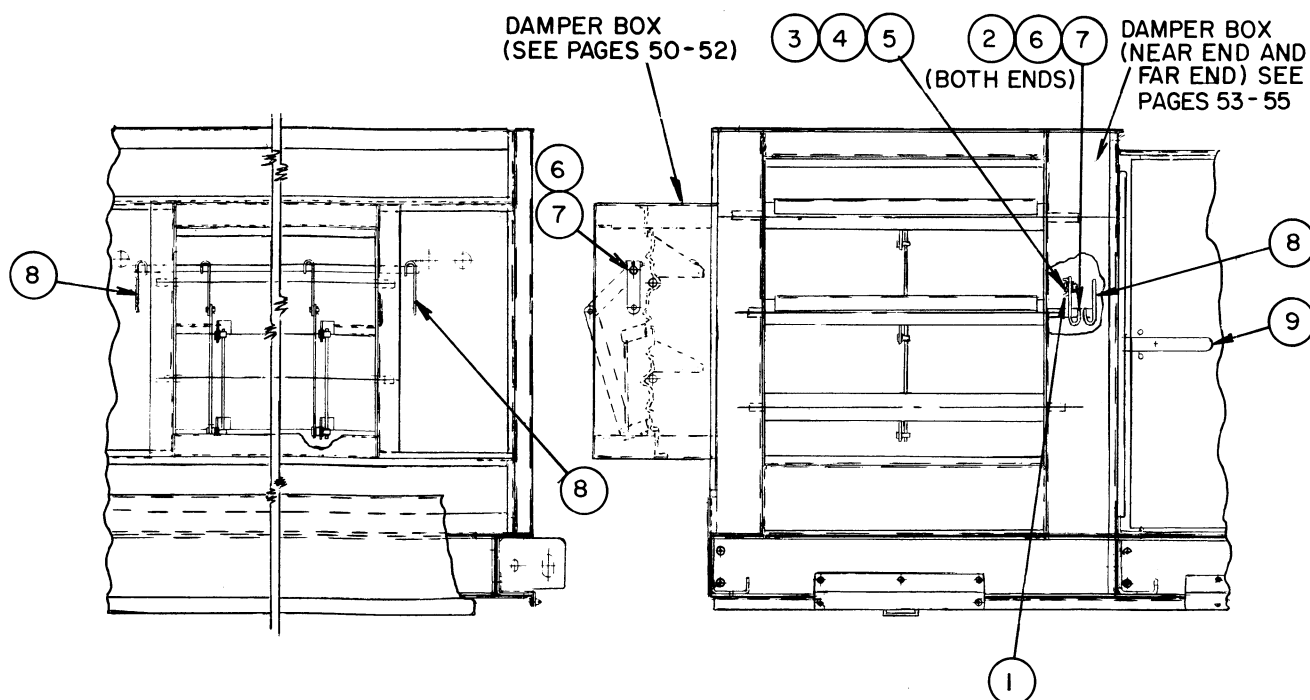
**DAMPER BOX (OUTSIDE OR EXHAUST AIR) ASSEMBLY
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
39ER MIXING BOX (MXB-6) GROUP WITH OUTSIDE OR EXHAUST AIR DAMPER BOXES (DESIGN #2) (S/N 7728XXXXX AND HIGHER)																
1	CONNECTING ROD	39ER--20--1192-- 39ER--30--1192-- 39ER--40--1192-- 39ER--45--1192-- 39ER--55--1192-- 39ER--70--1192-- 39ER--80--1192--	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	DAMPER LEVER	39EA--40--2762--	2	2	2	2	2	2	2	2	2	2	2	2	2	
3	WASHER	--AU--02AB-271--	AS REQUIRED													
4	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	AS REQUIRED													
5	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	AS REQUIRED													
6	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	AS REQUIRED													
7	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED													
8	DAMPER LEVER	39EA--70--2762--	3	3	3	3	3	3	3	3	3	3	3	3	3	
9	LATCH HANDLE	39EA--20--4962--	1	1	1	1	1	1	1	1	1	1	1	1	1	
NI/10	RAINHOOD ASSEMBLY	39ER--20---204-- 39ER--40---204-- 39ER--50---204-- 39ER--55---204-- 39ER--60---204-- 39ER--70---204-- 39ER--80---204--	2	2	2	2	2	2	2	2	2	2	2	2	2	



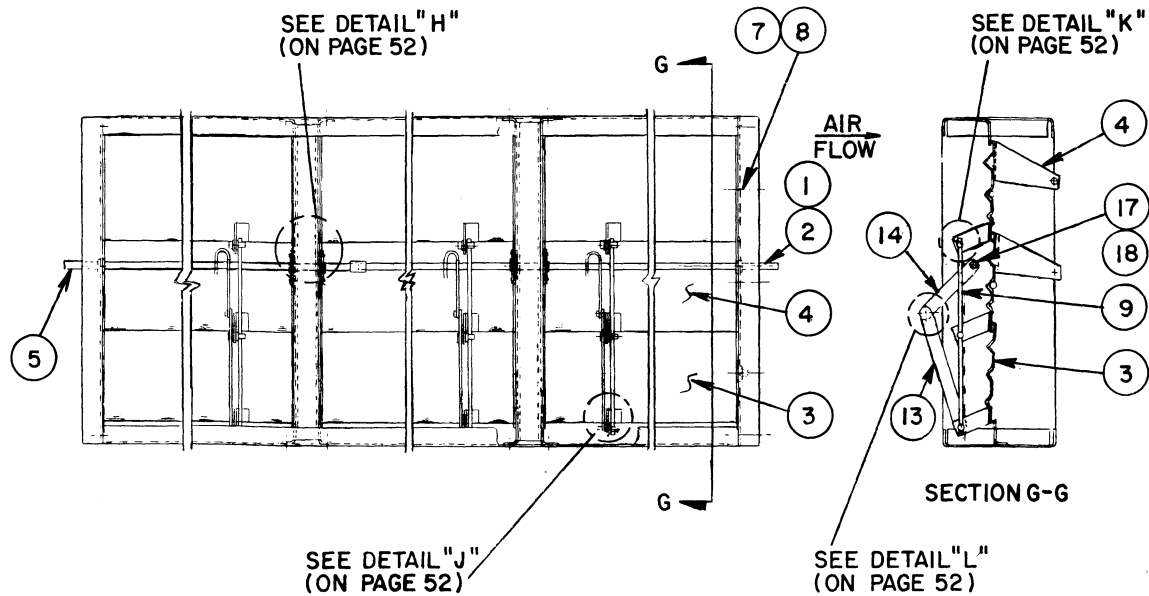
**39ER MIXING BOX (MXB-6) GROUP
WITH OUTSIDE OR EXHAUST AIR DAMPER BOXES
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



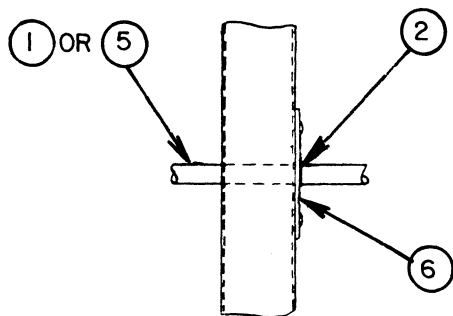
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

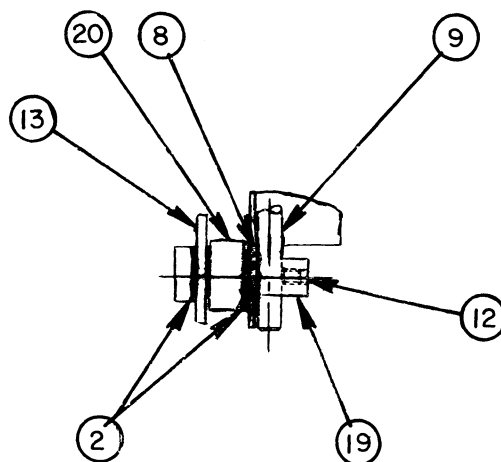
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
DAMPER BOX (WITHOUT SEALS) ASSEMBLY (DESIGN #2) (S/N 7728XXXXX AND HIGHER)																
1	JACK SHAFT	39EA--55--6332-- 39EA--70--6332-- 39EA--20--6332-- 39EA--30--6332-- 39EA--40--6332--	1	1	1		1	1		1	1		1	1	1	1
2	BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED													
3	BLADE AND BRACKET ASSEMBLY	39EA--40-C-914-- 39EA--45-C-914-- 39EA--55-C-914-- 39EA--50-C-914--				2	2		2	2		4	4		9	12 12
4	BLADE AND BRACKET ASSEMBLY	39EA--20-C-924-- 39EA--30-C-924-- 39EA--40-C-924-- 39EA--45-C-924-- 39EA--55-C-924-- 39EA--50-C-924--	4	4	4		4	4		4	4		4	4	6 6	6 6
5	SHAFT 1/2" O.D.; 51.76" LG. 1/2" O.D.; 60.38" LG.	39EA--70--6332-- 39EA--20--6332--											1	1		1 1
6	CENTER DAMPER SUPPORT PLATE	39EA--20--8002--											4	4	4	4
7	BUSHING 1/2"	--KT--50NZ-045--	AS REQUIRED													
8	WASHER 1/2"	39EA--20--6672--	AS REQUIRED													
9	SHAFT	39EA--20--6342-- 39EA--40--6342-- 39EA--55--6342-- 39EA--70--6342-- 39EA--50--6342--	2	2	2		2	2	2	2		2	2		3 3	3 3
10	DAMPER PIN	39EA--20--6182--	AS REQUIRED													
11	BUSHING 7/16"	--KT--58BZ-035--	2	2	2	2	2	2	2	2	2	2	3	3	3	3
12	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED													
13	LINKAGE BAR	39EA--20--6352--	2	2	2	2	2	2	2	2	2	2	3	3	3	3
14	LINKAGE BAR	39EA--30--2762--	2	2	2	2	2	2	2	2	2	2	3	3	3	3
15	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-257--	2	2	2	2	2	2	2	2	2	2	3	3	3	3
16	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	2	2	2	3	3	3	3
17	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	2	2	2	2	2	2	2	2	2	2	3	3	3	3
18	NUT 5/16"-18	--AT--39AB-201012	2	2	2	2	2	2	2	2	2	2	3	3	3	3
19	DAMPER PIN	39EA--20--6282--	2	2	2	2	2	2	2	2	2	2	3	3	3	3
20	SPACER	39EA--20--6652--	2	2	2	2	2	2	2	2	2	2	3	3	3	3



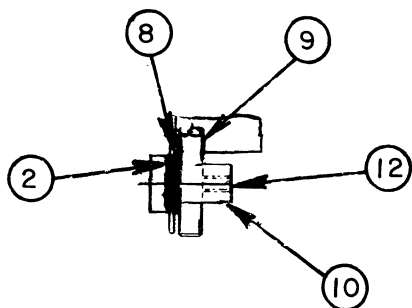
**DAMPER BOX (WITHOUT SEALS) ASSEMBLY
(DESIGN #2, S/N 7728XXXX AND HIGHER)**



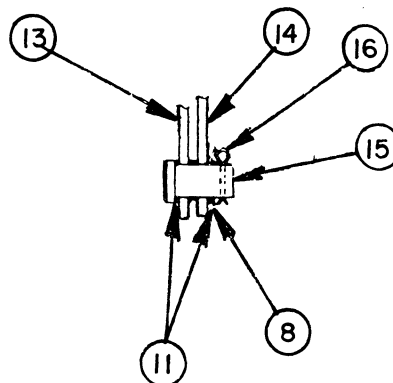
DETAIL "H"



DETAIL "J"



DETAIL "K"



DETAIL "L"

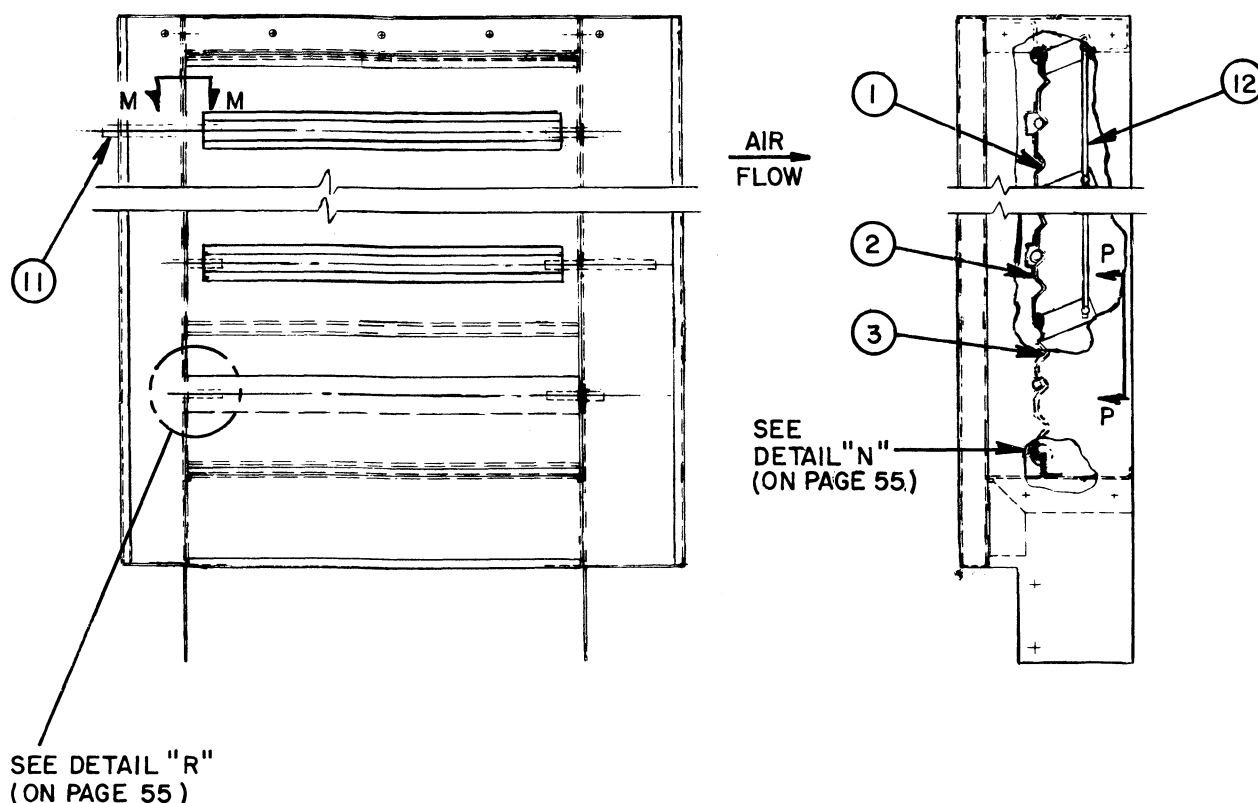
**DAMPER BOX (WITHOUT SEALS) ASSEMBLY
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



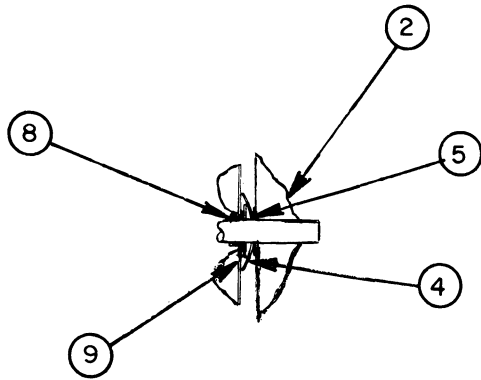
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

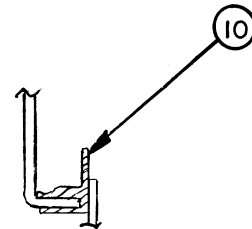
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER															
			08	10	12	15	18	21	26	32	39	48	57	75	90			
DAMPER BOX (OUTSIDE OR EXHAUST AIR) ASSEMBLY (DESIGN #2) (S/N 7728XXXX AND HIGHER)																		
1	BLADE ASSEMBLY	39EA--20-D-114-- 39EA--40-D-114-- 39EA--45-D-114-- 39EA--55-D-114-- 39EA--70-D-114--	1	1	1			1	1	1	1		1	1			1	1
2	BLADE ASSEMBLY	39EA--20-D-124-- 39EA--40-D-124-- 39EA--45-D-124-- 39EA--55-D-124-- 39EA--70-D-124--	1	1	1			1	1	1	1		1	1		1	1	1
3	BLADE ASSEMBLY	39EA--20-C-914-- 39EA--40-C-914-- 39EA--45-C-914-- 39EA--55-C-914-- 39EA--80-C-914--	1	1	1			3	3	3	4		4	6		7	7	10 10
4	DAMPER BLADE SEAL	39ER--40--1572-- 39ER--70--1572-- 39ER--80--1572-- 39ER--60--1602-- 39ER--70--1602-- 39ER--80--1602--	2	2	2			2	2	2		2	2		2	2	2	2
5	NYLON WASHER	39EA--20--6702--	AS REQUIRED															
6	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED															
7	NUT 1/4-20"	--AT--31AG-171--	AS REQUIRED															
8	FLANGE TYPE BUSHING	--KT--50NZ-045--	AS REQUIRED															
9	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED															
10	DAMPER SEAL (LINEAR FEET)	39EA--20--8402--	AS REQUIRED															
11	DAMPER BLADE SHAFT	39EA--20--9362--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	SHAFT	39EA--40--6342-- 39EA--55--6342-- 39EA--50--6342-- 39EA--60--6342-- 39EA--45--6342-- 39EA--35--6342--	1	1	1		1	1	1		1	1		1	1		1	1
13	DAMPER PIN	39EA--20--6182--	AS REQUIRED															
14	BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED															
15	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED															



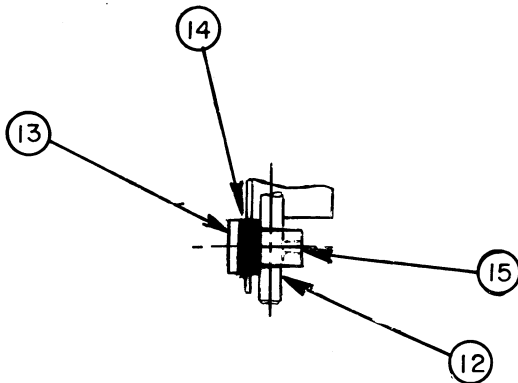
**DAMPER BOX (OUTSIDE OR EXHAUST AIR) ASSEMBLY
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



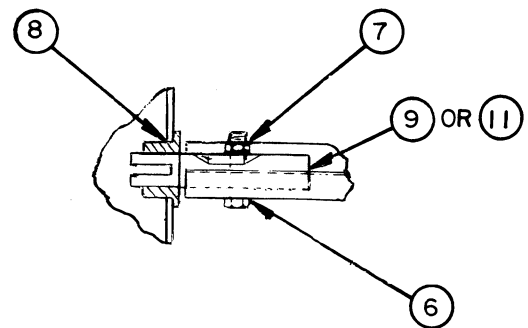
SECTION M-M



DETAIL " N "



VIEW P-P



DETAIL " R "

**DAMPER BOX (OUTSIDE OR EXHAUST AIR) ASSEMBLY
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**

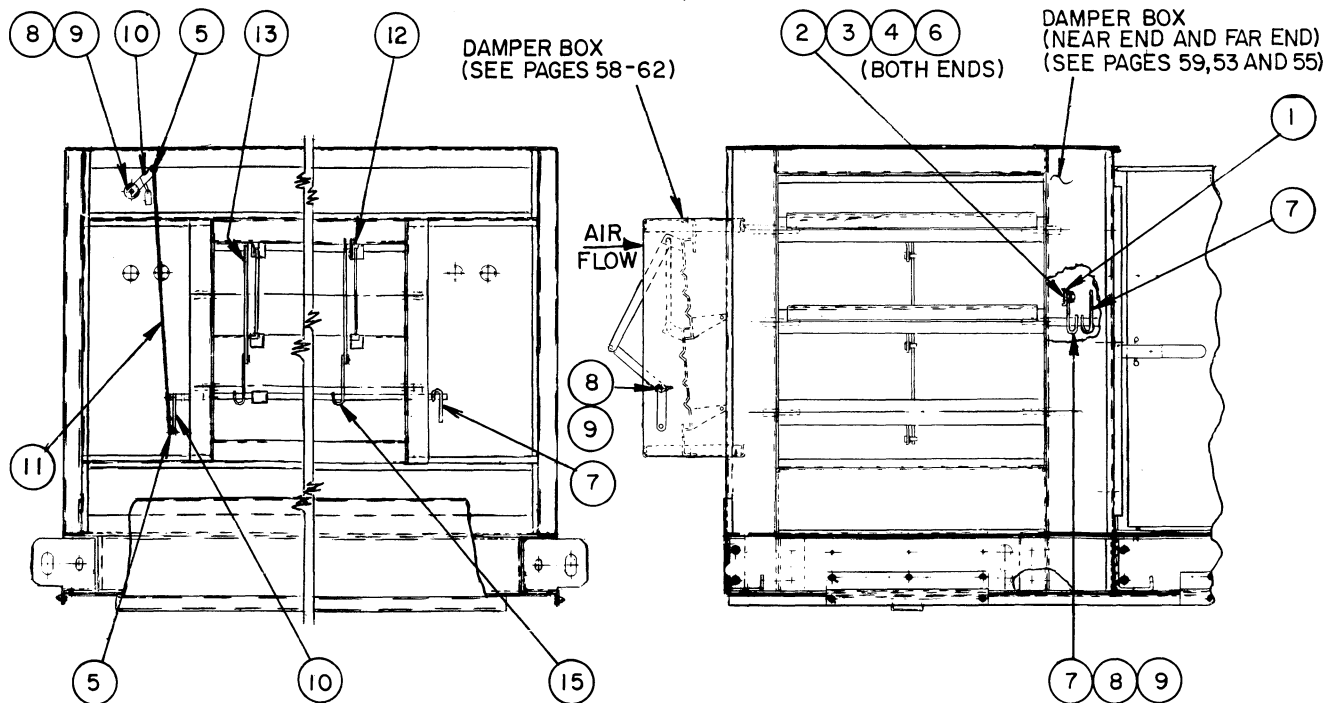


MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER															
			11	13	17	19	23	29	36									
			08	10	12	15	18	21	26	32	39	48	57	75	90			
39ER MIXING BOX (MXB- 6) GROUP WITH OUTSIDE OR EXHAUST AIR DAMPER BOXES (DESIGN #3) (S/N 1483XXXXX AND HIGHER)																		
1	CONNECTING ROD	39ER--20--1192-- 39ER--30--1192-- 39ER--40--1192-- 39ER--45--1192-- 39ER--55--1192-- 39ER--70--1192-- 39ER--80--1192--	1	1	1		1	1		1	1					1	1	
2	WASHER	--AU--02AB-271--	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-257--	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5
4	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	4	4	4	4	4		4	4	4	4	5	5	5	5	5	5
5	LINKAGE CONNECTOR	--HF--91BB-115--	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	BUSHING 7/16"	--KT--58BZ-035--	6	6	6	6	6	6	6	6	6	6	8	8	8	8	8	8
7	DAMPER LEVER	39EA--70--2762--	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5
8	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	AS REQUIRED															
9	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED															
10	DAMPER LEVER	39ER--20--1202--	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	CONNECTING ROD	39EA--30--3143-- 39ER--20--1623-- 39EA--40--3143-- 39EA--50--3143--	1	1	1		1	1	1		1	1	1			1	1	1
12	DAMPER PIN	39EA--20--6282--	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
13	LINKAGE BAR	39EA--20--6352--	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
14	BUSHING 1/2"	--KT--50NZ-045--	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
15	LINKAGE BAR	39EA--30--2762--	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
16	WASHER 1/2"	39EA--20--6672--	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
17	BUSHING 1/2"	--KT--58BZ-045--	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6
18	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
19	LATCH HANDLE	39EA--20--4962--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

NOTE: FOR RAINHOOD ASSEMBLY SEE:
39ER EXHAUST AIR DAMPER BOX (E.X.B.) GROUP
(DESIGN #3) (S/N 1483XXXXX AND HIGHER) ON PAGE 68.



**39ER MIXING BOX (MXB-6) GROUP
WITH OUTSIDE OR EXHAUST AIR DAMPER BOXES
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER															
			11	13	17	19	23	29	36									
			08	10	12	15	18	21	26	32	39	48	57	75	90			
DAMPER BOX (WITHOUT SEALS) ASSEMBLY (DESIGN #3) (S/N 1483XXXXX AND HIGHER)																		
1	JACK SHAFT	39EA--55--6332-- 39EA--70--6332-- 39EA--20--6332-- 39EA--30--6332-- 39EA--45--6332--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED															
3	PUSH ON CLIP	--AS--01YK-200--	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	BLADE AND BRACKET ASSEMBLY	39EA--40-C-914-- 39EA--45-C-914-- 39EA--50-C-914-- 39EA--55-C-914--				2	2		2	2				6	6		6	6
5	BLADE AND BRACKET ASSEMBLY	39EA--20-C-924-- 39EA--30-C-924-- 39EA--40-C-924-- 39EA--45-C-924-- 39EA--50-C-924-- 39EA--55-C-924--	4	4	4		4	4		4	4							
6	SHAFT 1/2" O.D.; 51.76" LG. 1/2" O.D.; 60.38" LG.	39EA--70--6332-- 39EA--20--6332--												9	9		12	12
7	CENTER DAMPER SUPPORT PLATE	39EA--20--8002--												2	2	2	2	2
8	BUSHING 1/2"	--KT--50NZ-045--	AS REQUIRED															
9	WASHER 1/2"	39EA--20--6672--	AS REQUIRED															
10	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED															
11	NUT 1/4"-20	--AT--60AG-171--	AS REQUIRED															
12	BLADE STOP	39EA--20--3677-- 39EA--30--3677-- 39EA--40--3677-- 39EA--45--3677-- 39EA--55--3677-- 39EA--70--3677-- 39EA--80--3677--	2	2	2		2	2		2	2			2	2		2	2
13	SHAFT	39EA--20--6342-- 39EA--40--6342-- 39EA--55--6342-- 39EA--70--6342-- 39EA--80--6342--	2	2	2		2	2	2	2		2	2		3	3	3	3
14	DAMPER PIN	39EA--20--6182--	AS REQUIRED															
15	DAMPER PIN	39EA--20--6282--	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
16	LINKAGE BAR	39EA--20--6352--	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

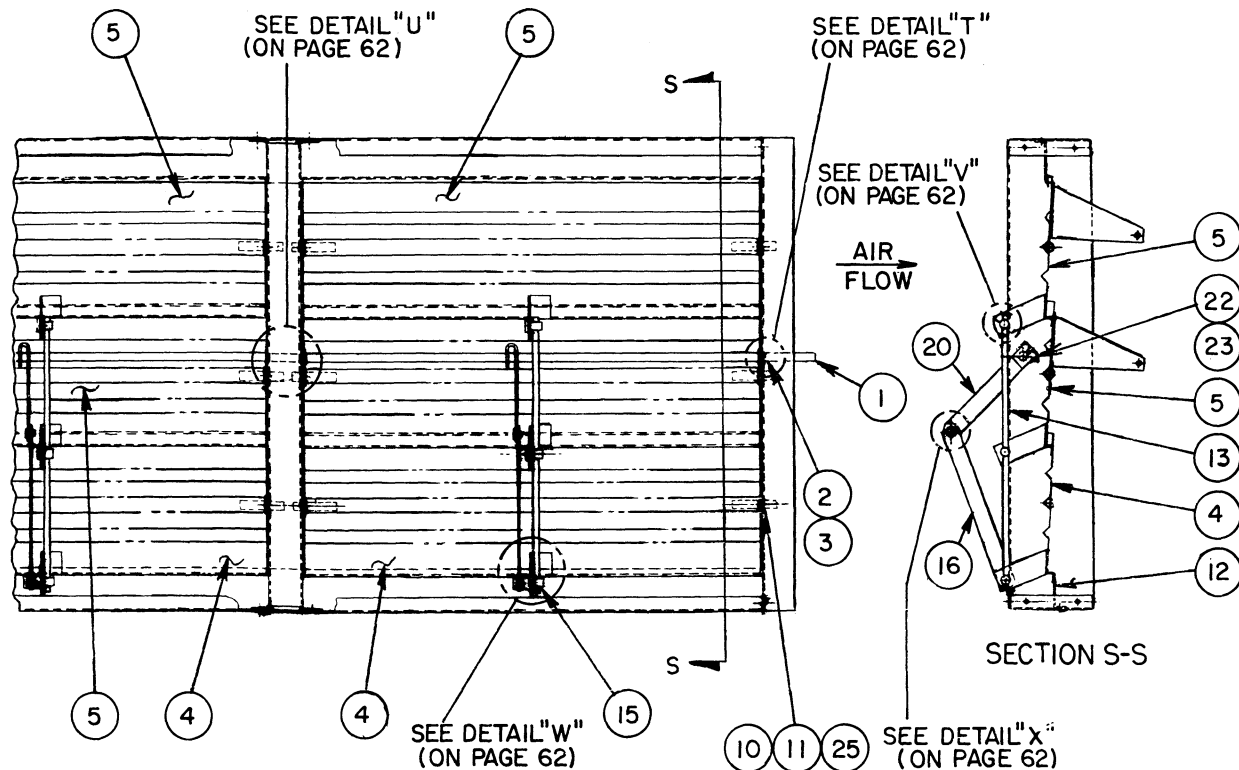
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			11	13	17	19	23	29	36	08	10	12	15	18	21	26

DAMPER BOX (WITHOUT SEALS) ASSEMBLY (CONT'D.) (DESIGN #3) (S/N 1483XXXXX AND HIGHER)

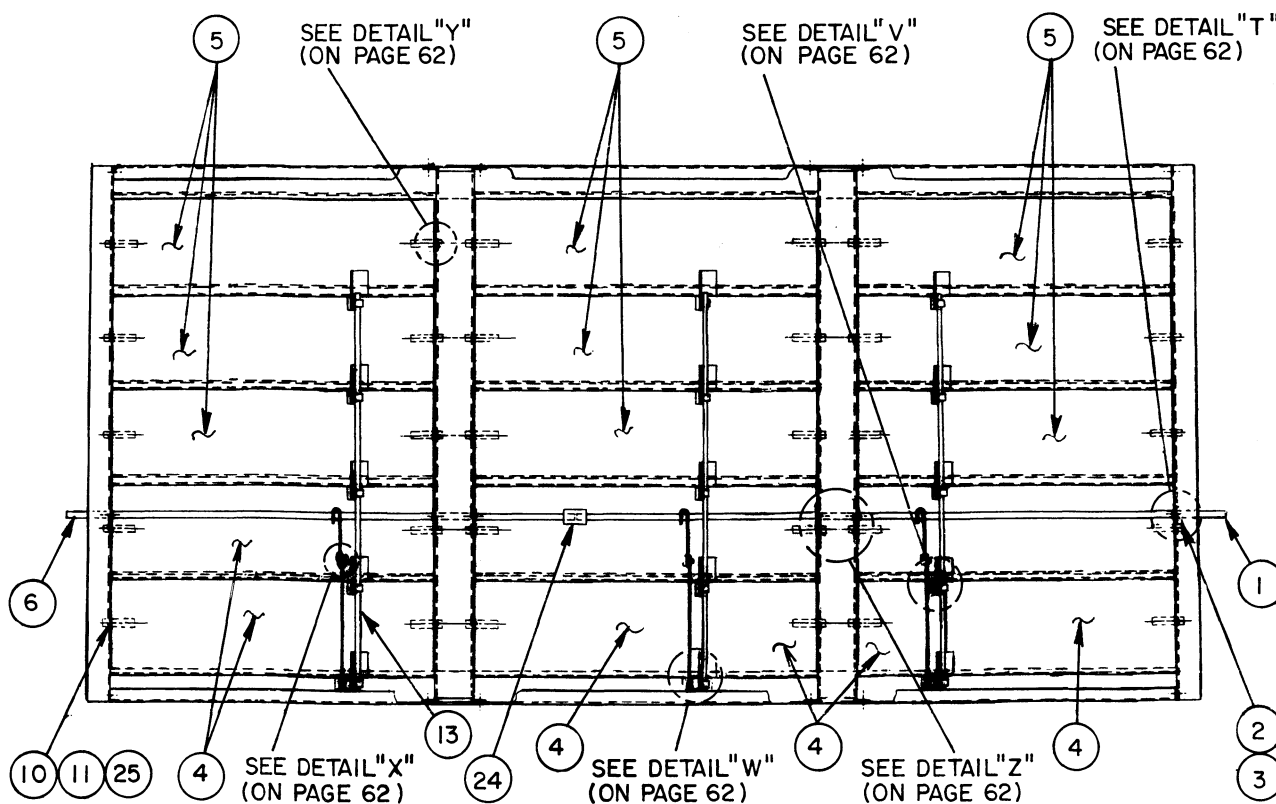
17	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-257--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	BUSHING 7/16"	--KT--58BZ-035--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	LINKAGE BAR	39EA--30--2762--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED													
22	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	NUT 5/16"-18	--AT--39AB-201012	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	COUPLING SHAFT 1/2"	39EA--20--9542--														
25	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED													

DAMPER BOX (OUTSIDE OR EXHAUST AIR) ASSEMBLY (DESIGN #3) (S/N 1483XXXXX AND HIGHER)

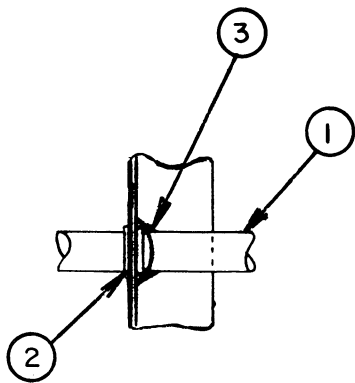
NOTE: THE DAMPER BOX (OUTSIDE OR EXHAUST AIR) DESIGN #3, IS THE SAME AS THE DAMPER BOX (OUTSIDE OR EXHAUST AIR) DESIGN #2, ON PAGES 53 THROUGH 55 EXCEPT FOR THE FOLLOWING CHANGES:		
10	DAMPER SEAL	39EA--20--9782-- AS REQUIRED



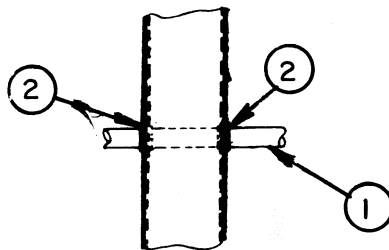
**DAMPER BOX (WITHOUT SEALS) ASSEMBLY
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**



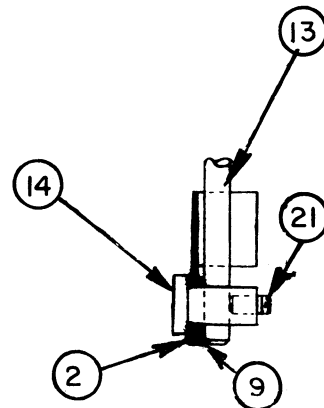
**DAMPER BOX (WITHOUT SEALS) ASSEMBLY
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**



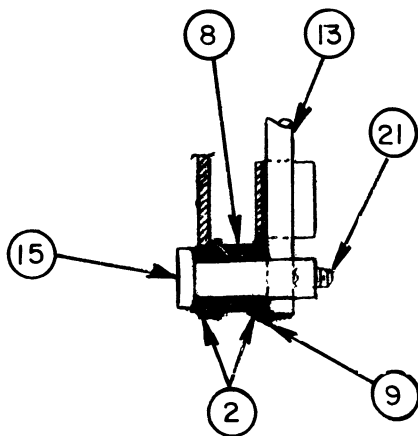
DETAIL "T"



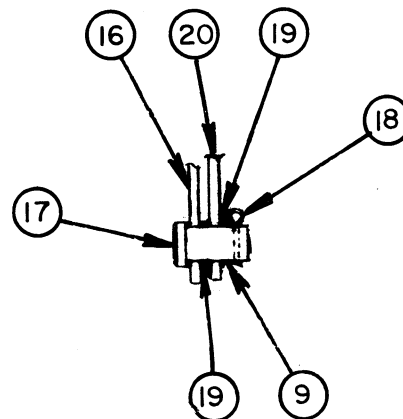
DETAIL "U"



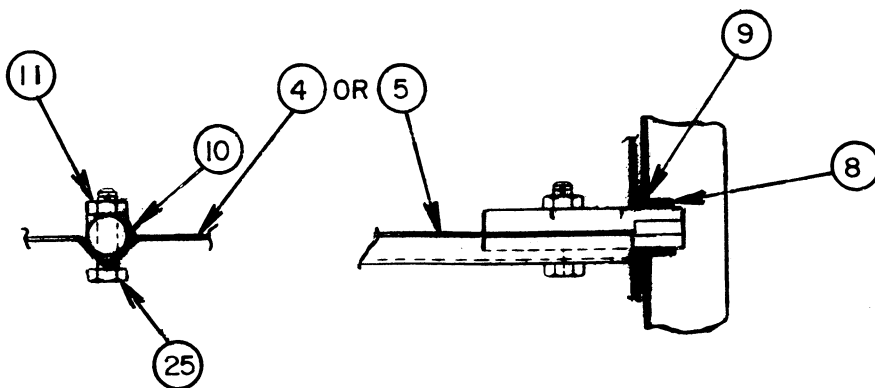
DETAIL "V"



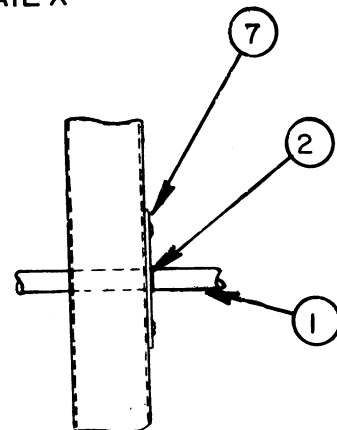
DETAIL "W"



DETAIL "X"



DETAIL "Y"



DETAIL "Z"

**DAMPER BOX (WITHOUT SEALS) ASSEMBLY
(DESIGN #3, S/N 1483XXXXX AND HIGHER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

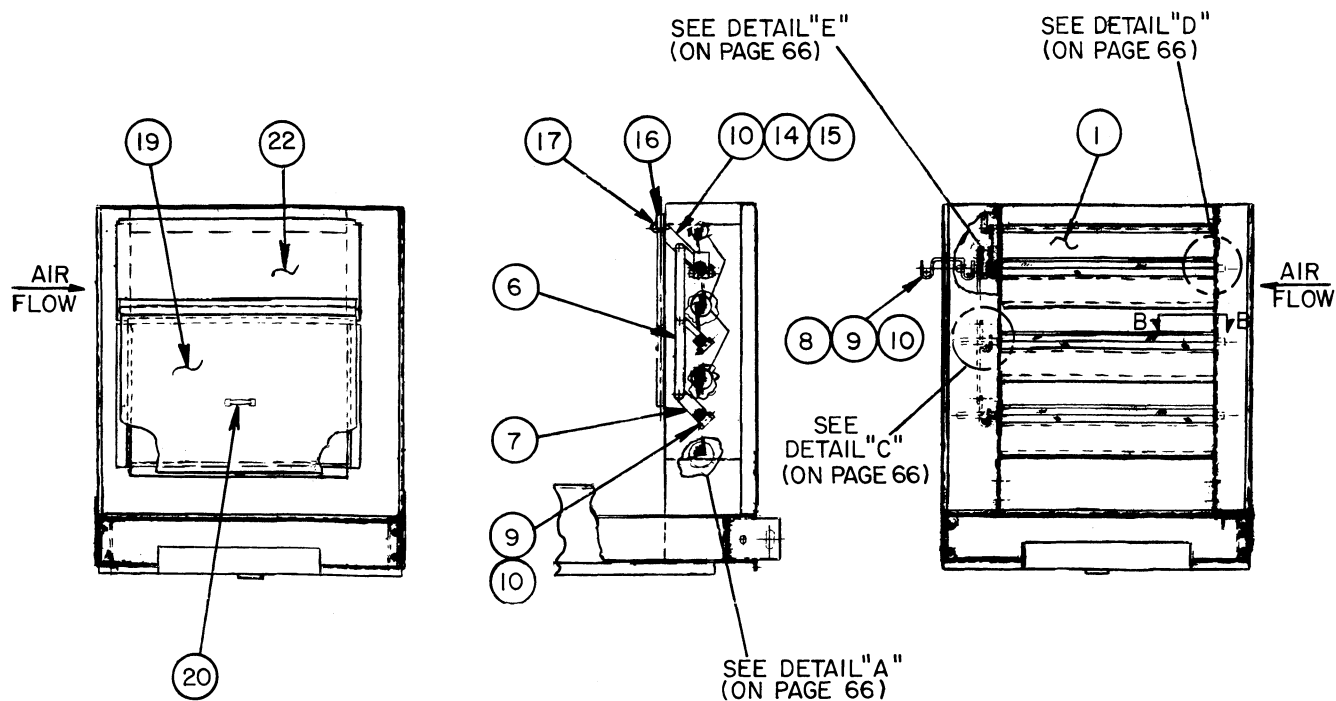
ITEM. NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER																
			08	10	12	15	18	21	26	32	39	48	57	75	90				
39ER EXHAUST AIR DAMPER BOX (E.X.B.) GROUP (DESIGN #1) (S/N 7727XXXXX AND LOWER)																			
1	BLADE ASSEMBLY	39EA--70---813-- 39EA--20-A-163-- 39EA--30-A-163-- 39EA--40-A-163-- 39EA--45-A-163--	3	3	3		5	5	5	6		6	8		9	9		12 12	
2	END SHAFT	39ER--20--1082--	3	3	3	5	5	5	6	6	8	9	9	12	12				
3	END SHAFT	39EA--20--1902--	3	3	3	5	5	5	6	6	8	9	9	12	12				
4	FLANGE TYPE BUSHING	--KT--50NZ-008--	AS REQUIRED																
5	WASHER	39EA--20--2042--	AS REQUIRED																
6	LINKAGE BAR	39EA--30--1692-- 39EA--45--1692-- 39ER--50--1182-- 39ER--60--1182-- 39ER--70--1182-- 39ER--80--1182--	1	1	1		1	1	1		1	1			1	1		1 1	
7	DAMPER LEVER	39EA--20--1952--	3	3	3	5	5	5	6	6	8	9	9	12	12				
8	COUPLING	39ER--20--1212--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	AS REQUIRED																
10	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED																
11	WASHER	--AU--02AB-271--	AS REQUIRED																
12	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	AS REQUIRED																
13	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	AS REQUIRED																
14	DAMPER LEVER	39ER--20--1202--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	SCREW 5/16"-18 X 1-1/2" LG.	--AA--06BS-203--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	CONNECTING ROD	39EA--30--3143-- 39ER--20--1623-- 39EA--40--3143-- 39EA--50--3143--	1	1	1		1	1	1		1	1	1		1	1	1	1	
17	BALL JOINT ASSEMBLY	--KS--70MK-101--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
18	DAMPER SEAL (LINEAR FEET)	39ER--20--1452--	AS REQUIRED																
19	ACCESS DOOR ASSEMBLY	39ER--20---183-- 39ER--40---183-- 39ER--50---183-- 39ER--55---183-- 39ER--60---183-- 39ER--70---183-- 39ER--80---183--	1	1	1		1	1	1		1							1 1	



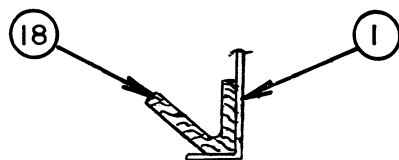
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

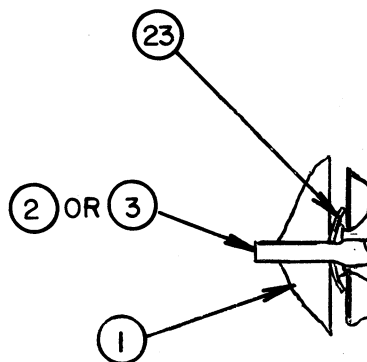
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
39ER EXHAUST AIR DAMPER BOX (E.X.B.) GROUP (CONT'D.) (DESIGN #1) (S/N 7727XXXX AND LOWER)																
20	PULL HANDLE (INCLUDED IN ITEM #19)	--KA--26NL-119--	AS REQUIRED													
NI/21	EXHAUST HOOD ASSEMBLY	39ER--20---894--	1	1	1											
		39ER--40---894--				1	1	1								
		39ER--50---894--							1							
		39ER--55---894--								1						
		39ER--60---894--									1					
		39ER--70---894--										1	1			
		39ER--80---894--													1	1
22	ACCESS COVER ASSEMBLY	39ER--70---503-- 39ER--80---503--										1	1		1	1
23	DAMPER BLADE SEAL	39ER--40--1572--	2	2	2											
		39ER--70--1572--				2	2	2								
		39ER--80--1572--							2	2						
		39ER--60--1602--									2					
		39ER--70--1602--										2	2			
		39ER--80--1602--												2	2	



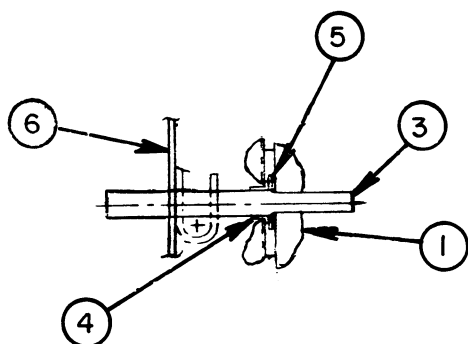
**39ER EXHAUST AIR DAMPER BOX (EXB) GROUP
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



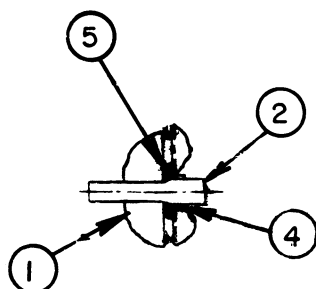
DETAIL "A"



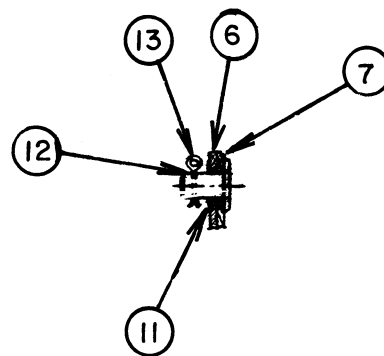
SECTION B-B



DETAIL "C"



DETAIL "D"



DETAIL "E"

**39ER EXHAUST AIR DAMPER BOX (EXB) GROUP
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER															
			08	10	12	15	18	21	26	32	39	48	57	75	90			
39ER EXHAUST AIR DAMPER (E.X.B.) GROUP (DESIGN #2) (S/N 7728XXXXX AND HIGHER)																		
1	BLADE ASSEMBLY	39EA--20-D-124-- 39EA--40-D-124-- 39EA--45-D-124-- 39EA--55-D-124-- 39EA--70-D-124--	1	1	1		1	1	1	1		1	1			1	1	
2	BLADE ASSEMBLY	39EA--20-C-914-- 39EA--40-C-914-- 39EA--45-C-914-- 39EA--55-C-914-- 39EA--80-C-914--	2	2	2		4	4	4	5		5	7		8	8	11 11	
3	DAMPER BLADE SHAFT	39EA--20--9362--	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
4	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED															
5	NYLON WASHER	39EA--20--6702--	AS REQUIRED															
6	FLANGE TYPE BUSHING	--KT--50NZ-045--	AS REQUIRED															
7	WASHER 1/2"	39EA--20--6672--	AS REQUIRED															
8	SHAFT	39EA--40--6342-- 39EA--55--6342-- 39EA--50--6342-- 39EA--60--6342-- 39EA--45--6342-- 39EA--35--6342--	1	1	1		1	1	1		1	1			1	1	1	
9	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	NUT 5/16"-18	--AT--39AB-201012	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED															
12	NUT 1/4"-20	--AT--31AG-171--	AS REQUIRED															
13	LINKAGE CONNECTOR	--HF--91BB-115--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	LEVER	39ER--20--1202--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	DAMPER SEAL (LINEAR FEET)	39EA--20--8402--	AS REQUIRED															
16	DAMPER BLADE SEAL	39ER--40--1572-- 39ER--70--1572-- 39ER--80--1572-- 39ER--60--1602-- 39ER--70--1602-- 39ER--80--1602--	2	2	2		2	2	2		2	2		2	2		2	
17	BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED															
18	DAMPER PIN	39EA--20--6182--	AS REQUIRED															
19	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED															



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			08	10	12	15	18	21	26	32	39	48	57	75	90	

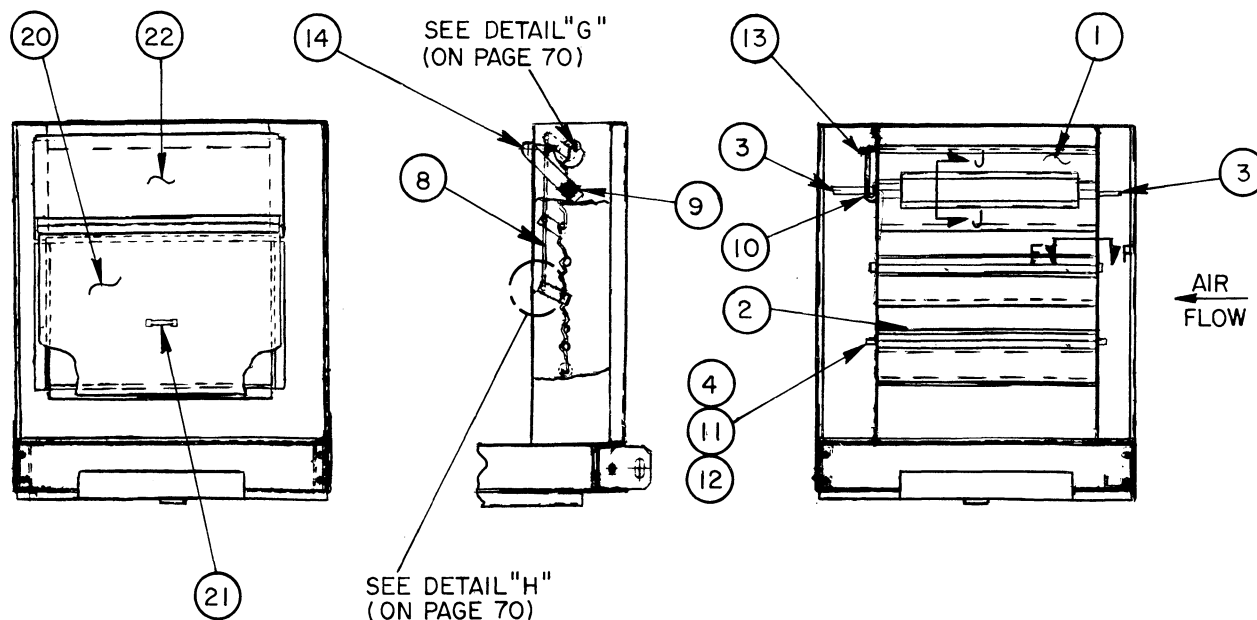
39ER EXHAUST AIR DAMPER BOX (E.X.B.) GROUP (CONT'D.) (DESIGN #2) (S/N 7728XXXXX AND HIGHER)

20	ACCESS DOOR ASSEMBLY	39ER--20---183-- 39ER--40---183-- 39ER--50---183-- 39ER--55---183-- 39ER--60---183-- 39ER--70---183-- 39ER--80---183--	1	1	1											
21	PULL HANDLE (INCLUDED IN ITEM #20)	--KA--26NL-119--	AS REQUIRED													
22	ACCESS COVER ASSEMBLY	39ER--70---503-- 39ER--80---503--										1	1			
NI/23	EXHAUST HOOD ASSEMBLY	39ER--20---894-- 39ER--40---894-- 39ER--50---894-- 39ER--55---894-- 39ER--60---894-- 39ER--70---894-- 39ER--80---894--	1	1	1		1	1		1					1	1

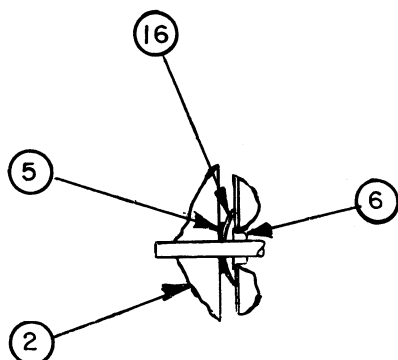
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39ER													
			11	13	17	19	23	29	36							
			08	10	12	15	18	21	26	32	39	48	57	75	90	

39ER EXHAUST AIR DAMPER BOX (E.X.B.) GROUP (DESIGN #3) (S/N 1483XXXXX AND HIGHER)

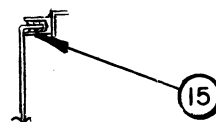
NOTE: THE 39ER (E.X.B.) DESIGN #3, IS THE SAME AS THE 39ER (E.X.B.) DESIGN #2 ON PAGES 67 THROUGH 70 EXCEPT FOR THE FOLLOWING CHANGES:																
15	DAMPER SEAL (LINEAR FEET)	39EA--20--9782--	AS REQUIRED													
NI/23	RAINHOOD ASSEMBLY	39ER--20---204-- 39ER--40---204-- 39ER--50---204-- 39ER--55---204-- 39ER--60---204-- 39ER--70---204-- 39ER--80---204--	2	2	2		2	2	2		2					



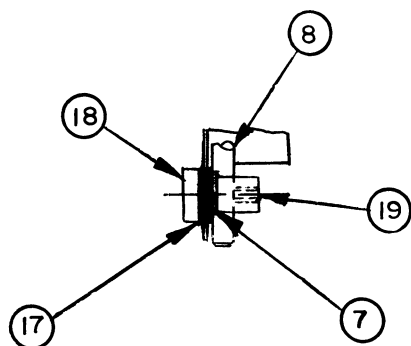
**39ER EXHAUST AIR DAMPER BOX (EXB) GROUP
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



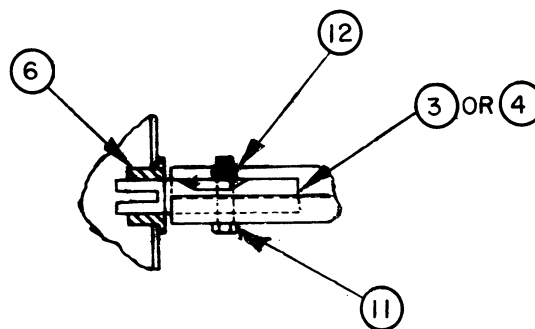
SECTION F-F



DETAIL "G"



DETAIL "H"



SECTION J-J

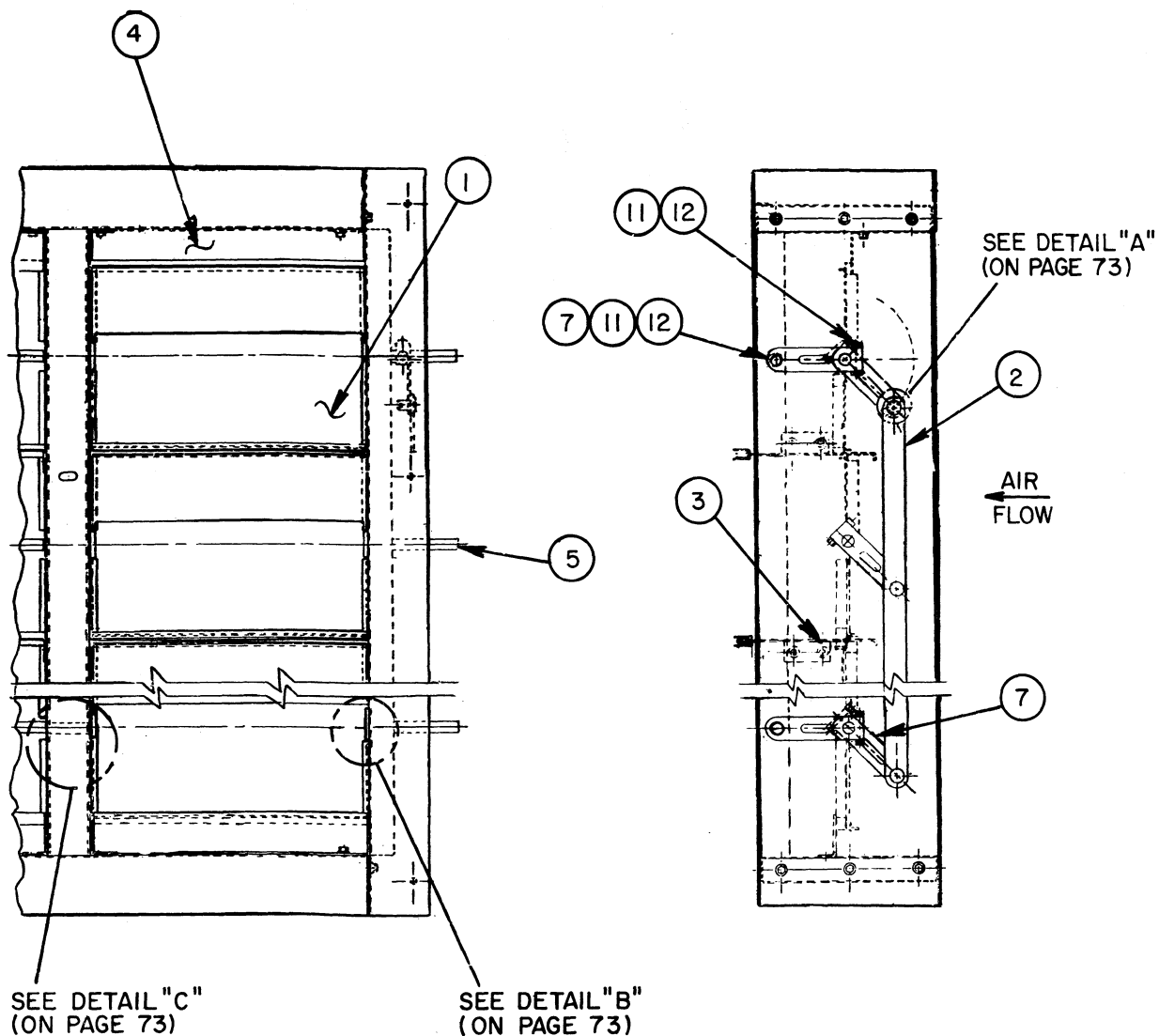
**39ER EXHAUST AIR DAMPER BOX (EXB) GROUP
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



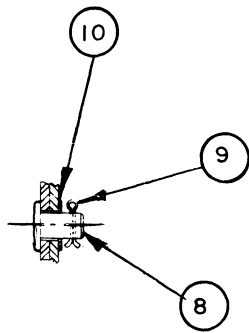
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

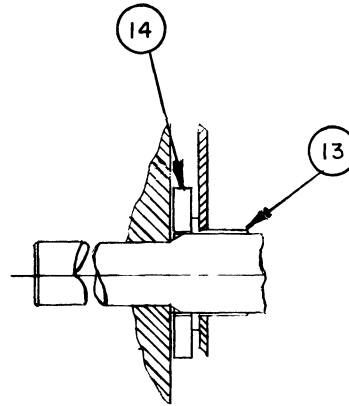
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39EB															
			08	10	12	15	18	21	26	32	39	48	57	75	90			
39EA ZONING DAMPER (Z.D.S.) GROUP (DESIGN #1) (S/N 7727XXXX AND LOWER)																		
1	BLADE ASSEMBLY	39EA--20---813-- 39EA--40---813-- 39EA--50---813-- 39EA--60---813-- 39EA--70---813-- 39EA--30-A-163--	14	18	18		20	20	22		22	26		26	32	32	36	36
2	LINKAGE BAR	39EA--20--1682-- 39EA--30--1682-- 39EA--40--1682-- 39EA--45--1682-- 39EA--55--1682-- 39EA--70--1682-- 39EA--80--1682--	1		1	1		1	1		1	1		1	1		1	1
3	BLADE STOP	39EA--20--1842-- 39EA--40--1842-- 39EA--50--1842-- 39EA--60--1842-- 39EA--70--1842-- 39EA--80--1842--	12	16	16		18	18	20		20	24		24	30	30	34	34
4	BLADE STOP	39EA--20--2653-- 39EA--30--2653-- 39EA--40--2653-- 39EA--45--2653-- 39EA--50--2653-- 39EA--55--2653-- 39EA--60--2653-- 39EA--70--2653-- 39EA--80--2653--	4		4		4	4		4		4		4		4	4	4
5	UPPER AND LOWER END SHAFT	39EA--20--1902--	14	18	18	20	20	22	22	26	26	32	32	36	36			
6	CENTER SHAFT	39EA--30--1902--	7	9	9	10	10	11	11	13	13	16	16	18	18			
7	DAMPER LEVER	39EA--20--1952--	11	14	14	16	16	17	17	20	20	25	25	28	28			
8	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	AS REQUIRED															
9	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	AS REQUIRED															
10	WASHER 7/16"	--AU--02AB-271--	AS REQUIRED															
11	HEX HEAD CAPSCREW 5/16"-18 X 1-1/2" LG.	--AA--06BS-203--	AS REQUIRED															
12	NUT 5/16"-18	--AT--31AB-201012	AS REQUIRED															
13	NYLON BEARING 7/8"	--KT--50NZ-008--	AS REQUIRED															
14	THRUST WASHER	39EA--20--2042--	AS REQUIRED															



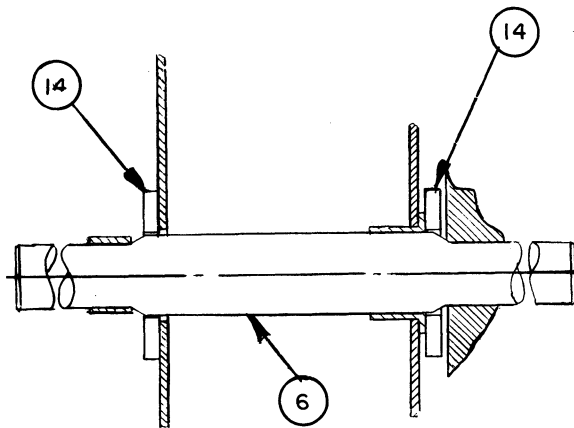
**39EA ZONING DAMPER (ZDS) GROUP
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



DETAIL "A"



DETAIL "B"



DETAIL "C"

**39EA ZONING DAMPER (ZDS) GROUP
(DESIGN #1, S/N 7727XXXXX AND LOWER)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39EB													
			08	10	12	15	18	21	26	32	39	48	57	75	90	
39EA ZONING DAMPER (Z.D.S.) GROUP (DESIGN #2) (S/N 7728XXXX AND HIGHER)																
1	BLADE ASSEMBLY	39EA--20-C-944-- 39EA--40-C-944-- 39EA--45-C-944-- 39EA--55-C-944-- 39EA--70-C-944-- 39EA--80-C-944--	7	9	9	10	10	11	11	13	13	16	16	18	18	
2	LINKAGE BAR	39EA--20--1682-- 39EA--30--1682-- 39EA--40--1682-- 39EA--45--1682-- 39EA--55--1682-- 39EA--70--1682-- 39EA--80--1682--	1		1	1	1	1	1	1	1	1	1	1	1	1
3	BLADE STOP	39EA--20--1842-- 39EA--40--1842-- 39EA--50--1842-- 39EA--60--1842-- 39EA--70--1842-- 39EA--80--1842--	12	16	16	18	18	20	20	24	24	30	30	34	34	
4	BLADE STOP	39EA--20--2653-- 39EA--30--2653-- 39EA--40--2653-- 39EA--45--2653-- 39EA--50--2653-- 39EA--55--2653-- 39EA--60--2653-- 39EA--70--2653-- 39EA--80--2653--	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	DAMPER LEVER	39EA--20--2762--	11	14	14	16	16	17	17	20	20	25	25	28	28	
6	CLEVIS PIN 7/16" DIA. X 3/4" LG.	--AX--16AU-254--	AS REQUIRED													
7	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	AS REQUIRED													
8	WASHER 7/16"	--AU--02AB-271--	AS REQUIRED													
9	HEX HEAD CAPSCREW 5/16"-18 X 1-1/2" LG.	--AA--06BS-203--	AS REQUIRED													
10	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED													
11	NYLON BEARING 1/2"	--KT--50NZ-045--	AS REQUIRED													
12	THRUST WASHER	39EA--20--2042--	AS REQUIRED													
13	NYLON BEARING 7/8"	--KT--50NZ-008--	AS REQUIRED													
14	DAMPER SEAL	39EA--20--6662--	AS REQUIRED													
15	DAMPER SEAL	39EA--20--6692--	AS REQUIRED													
16	THRUST WASHER 1/2"	--AU--02AB-301--	AS REQUIRED													



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39EB															
			08	10	12	15	18	21	26	32	39	48	57	75	90			

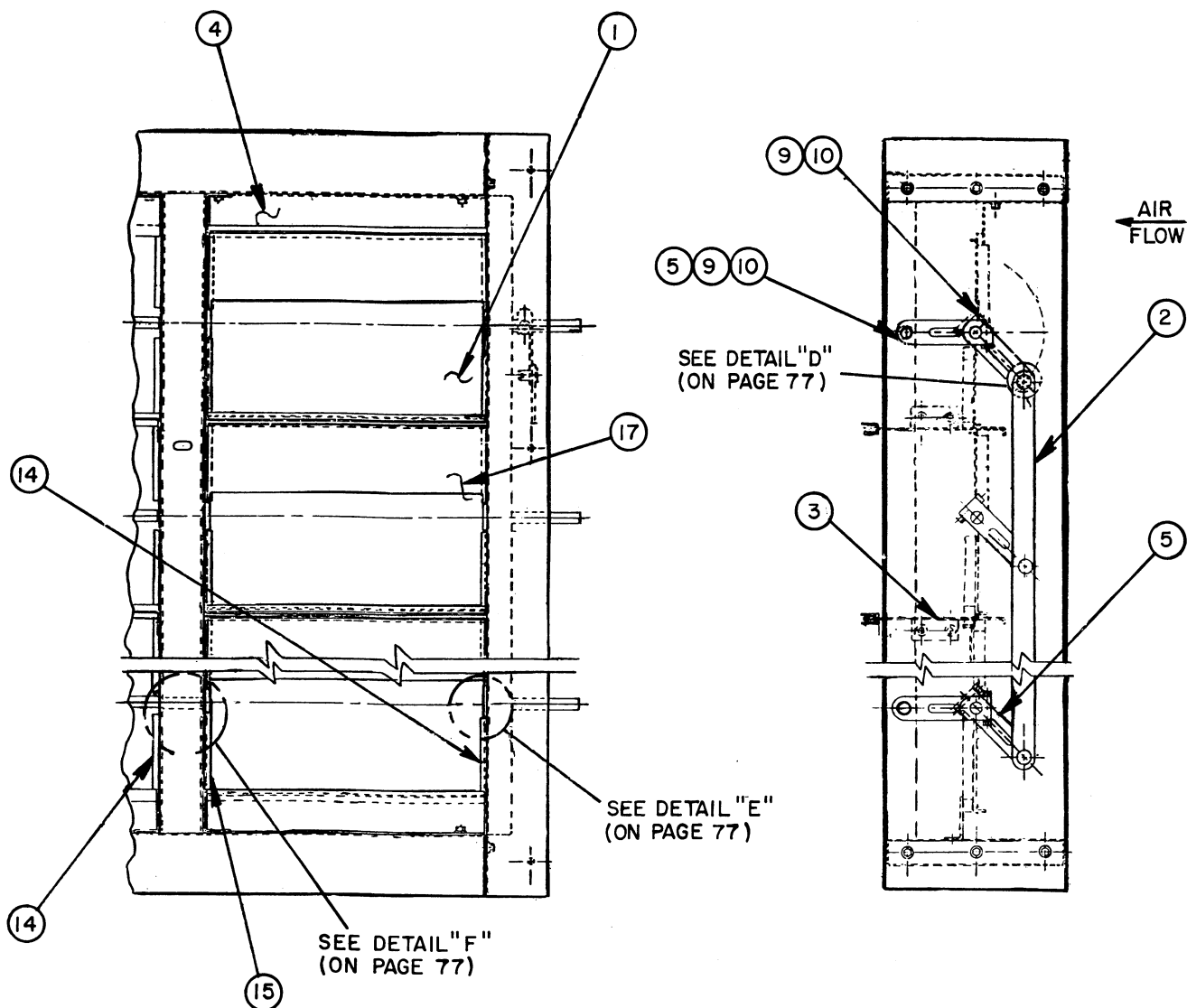
39EA ZONING DAMPER (Z.D.S.) GROUP (CONT'D.)
(DESIGN #2) (S/N 7728XXXXX AND HIGHER)

17	BLADE ASSEMBLY	39EA--20-C-934-- 39EA--40-C-934-- 39EA--45-C-934-- 39EA--55-C-934-- 39EA--70-C-934-- 39EA--80-C-934--	7	9	9		10	10	11		11	13		13		16	16		18	18
----	----------------	--	---	---	---	--	----	----	----	--	----	----	--	----	--	----	----	--	----	----

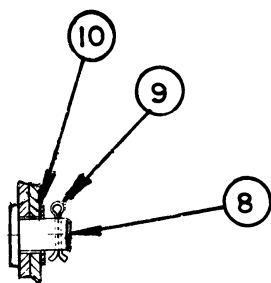
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39EB															
				11	13	17	19	23	29	36								
			08	10	12	15	18	21	26	32	39	48	57	75	90			

39EA ZONING DAMPER (Z.D.S.) GROUP
(DESIGN #3) (S/N 1483XXXXX AND HIGHER)

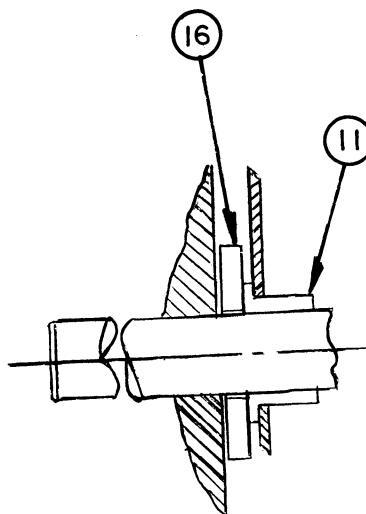
NOTE: THE 39EA (Z.D.S.) DESIGN #3, IS THE SAME AS THE 39EA (Z.D.S.) DESIGN #2 ON PAGES 74 THROUGH 77 EXCEPT FOR THE FOLLOWING CHANGES:																		
9	HEX HEAD CAPSCREW 3/8"-16 X 1-1/2" LG.	--AA--06BS-233--	AS REQUIRED															
10	NUT 3/8"-16	--AT--39AB-241--	AS REQUIRED															



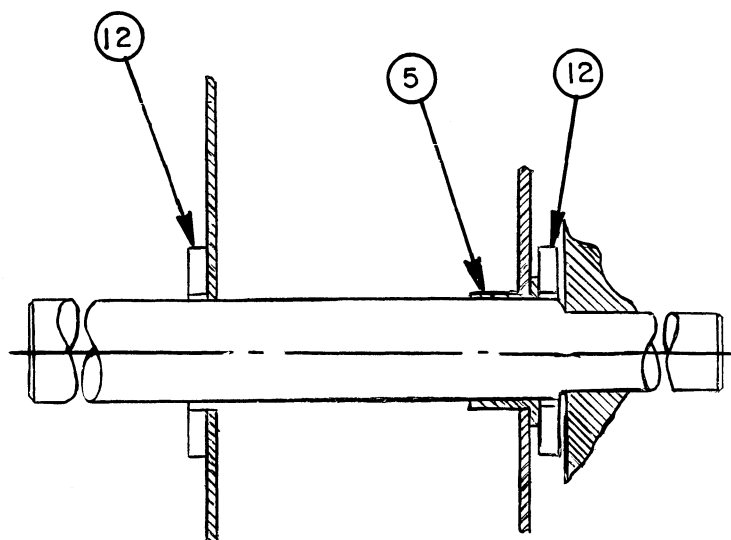
**39EA ZONING DAMPER (ZDS) GROUP
(DESIGN #2, S/N 7728XXXX AND HIGHER)**



DETAIL "D "



DETAIL "E "



DETAIL "F "

**39EA ZONING DAMPER (ZDS) GROUP
(DESIGN #2, S/N 7728XXXXX AND HIGHER)**



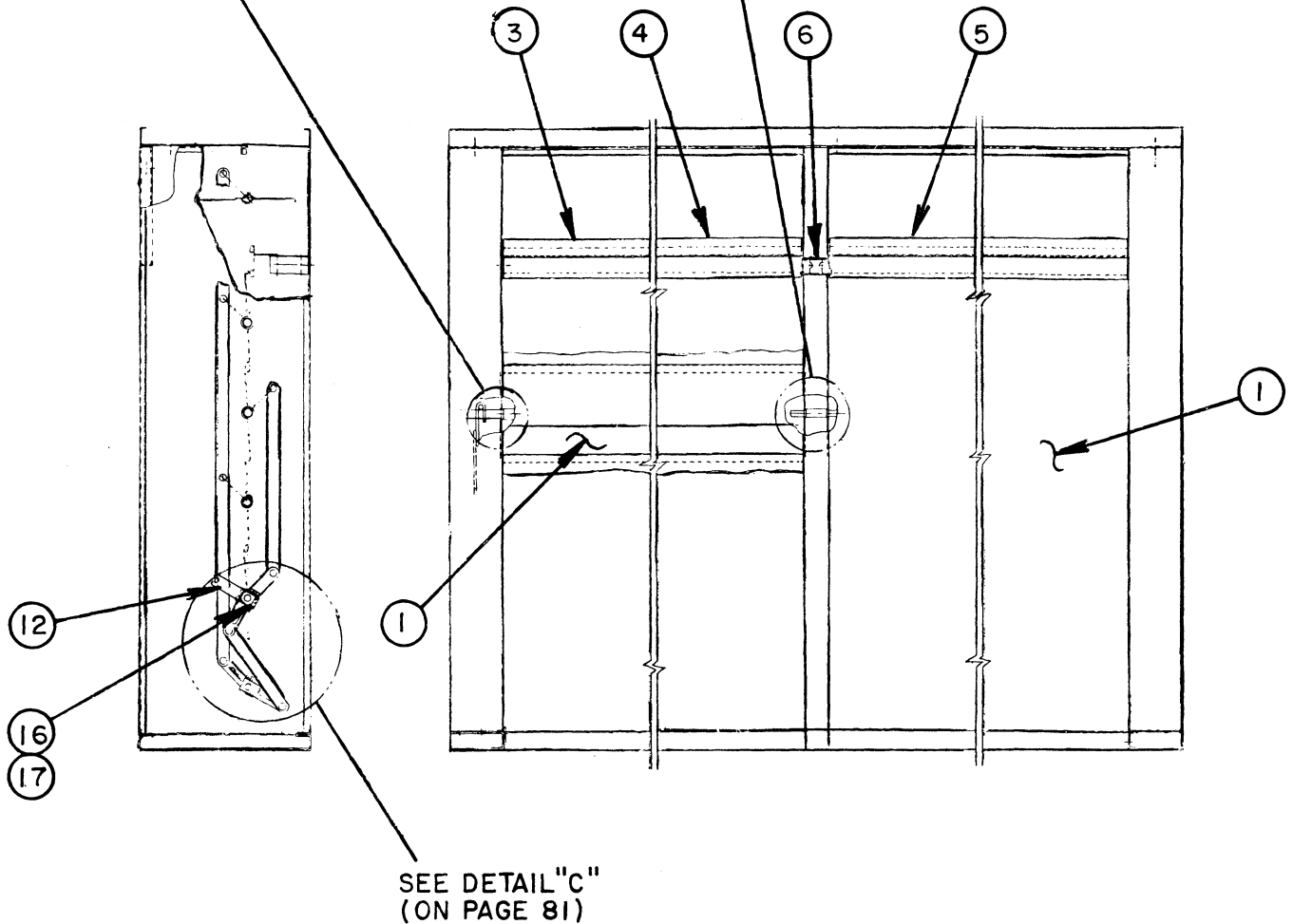
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

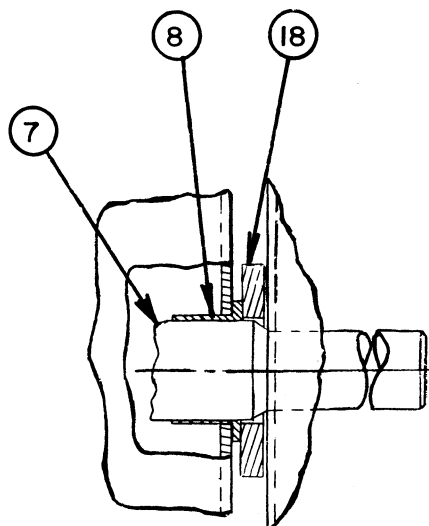
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER															
			08	10	12	15	18	21	26	32	39	48	57					
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP (DESIGN #1)																		
1	BLADE ASSEMBLY	39EA--20-A-163-- 39EA--30-A-163-- 39EA--40-A-163-- 39EA--45-A-163-- 39EA--55-A-163--	8		8	8		12	12		12	16		16	20	22	22	
NI/2	BLADE ASSEMBLY	39EA--55-A-163-- 39EA--40-A-163--												16	20		11	11
3	BLADE STOP	39EA--20---983-- 39EA--30---983-- 39EA--45---983-- 39EA--50---983-- 39EA--60---983--	1		1	1	1	1			1					1	1	
4	BLADE STOP	39EA--60---983-- 39EA--40---983--												1	1		1	1
5	BLADE STOP	39EA--30---983-- 39EA--40---983-- 39EA--45---983-- 39EA--50---983-- 39EA--55---983-- 39EA--70---983--	1				1	1			1			1			1	1
6	BRACKET	39EA--20--1852--	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
7	SHAFT	39EA--20--1902--	AS REQUIRED															
8	FLANGE TYPE BEARING	--KT--50NZ-008--	AS REQUIRED															
9	LINKAGE BAR	39EA--20--1672-- 39EA--40--1672-- 39EA--50--3782-- 39EA--60--3782-- 39EA--70--1672--	1	1	1			1	1	1			1	1			1	1
NI/10	LINKAGE BAR	39EA--75--1692-- 39EA--50--3782-- 39EA--60--3782-- 39EA--60--1692--					1	1	1			1	1			1		1
11	LINKAGE BAR	39EA--70--1692--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	DAMPER LEVER	39EA--20--1952--	AS REQUIRED															
13	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-254--	AS REQUIRED															
14	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	AS REQUIRED															
15	WASHER 7/16"	--AU--02AB-271--	AS REQUIRED															
16	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	AS REQUIRED															
17	NUT 5/6"-18	--AT--39AB-201012	AS REQUIRED															
18	WASHER	39EA--20--2042--	AS REQUIRED															
19	SHAFT	39EA--30--1902--	AS REQUIRED															

SEE DETAIL "A"
(ON PAGE 80)

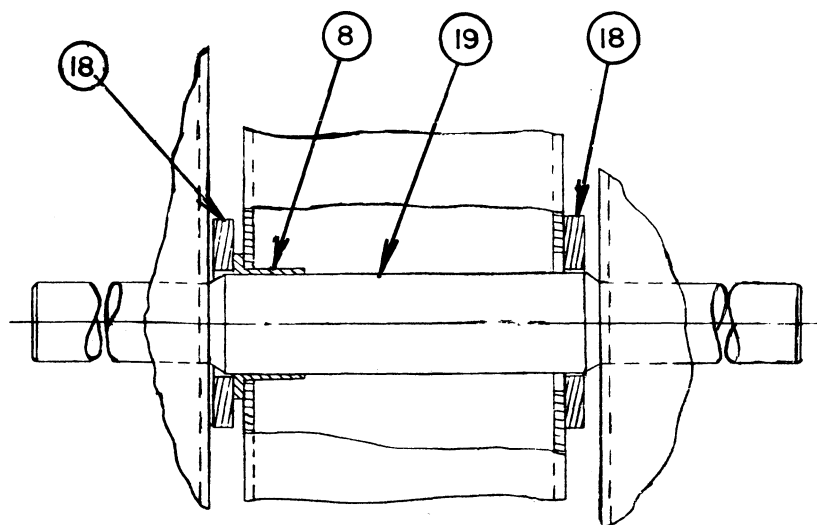
SEE DETAIL "B"
(ON PAGE 80)



**39EA FACE AND BY-PASS DAMPER (FBP) GROUP
08 THRU 57 SIZE UNIT
DESIGN #1**

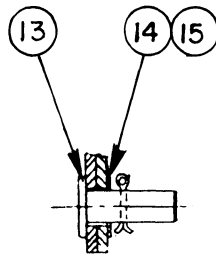


DETAIL "A"

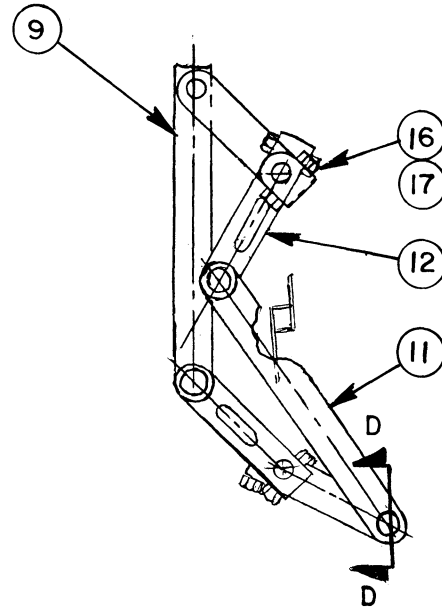


DETAIL "B"

39EA FACE AND BY-PASS DAMPER (FBP) GROUP
08 THRU 57 SIZE UNIT
DESIGN #1



SECTION D-D



DETAIL "C"

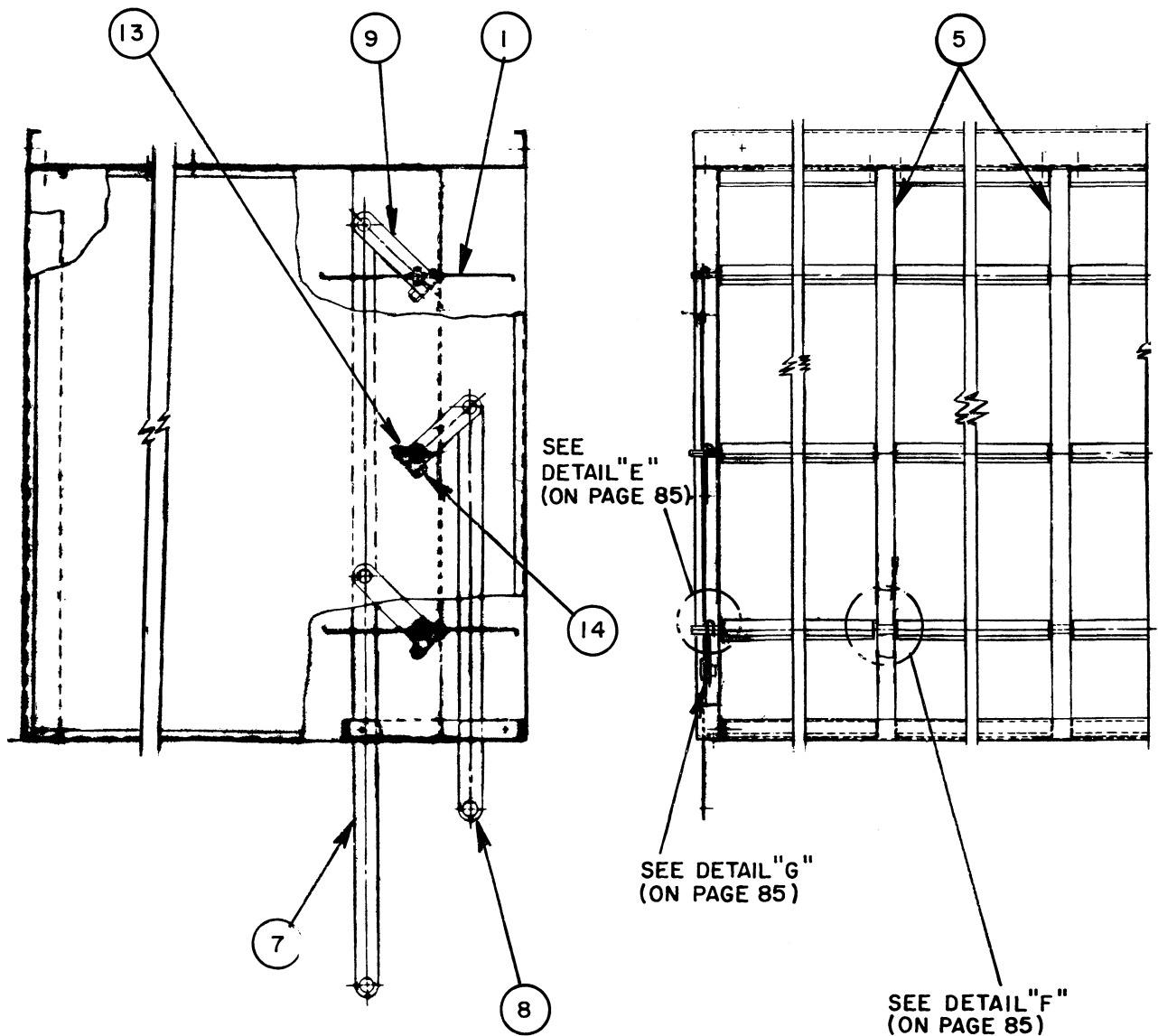
39EA FACE AND BY-PASS DAMPER (FBP) GROUP
08 THRU 57 SIZE UNIT
DESIGN #1



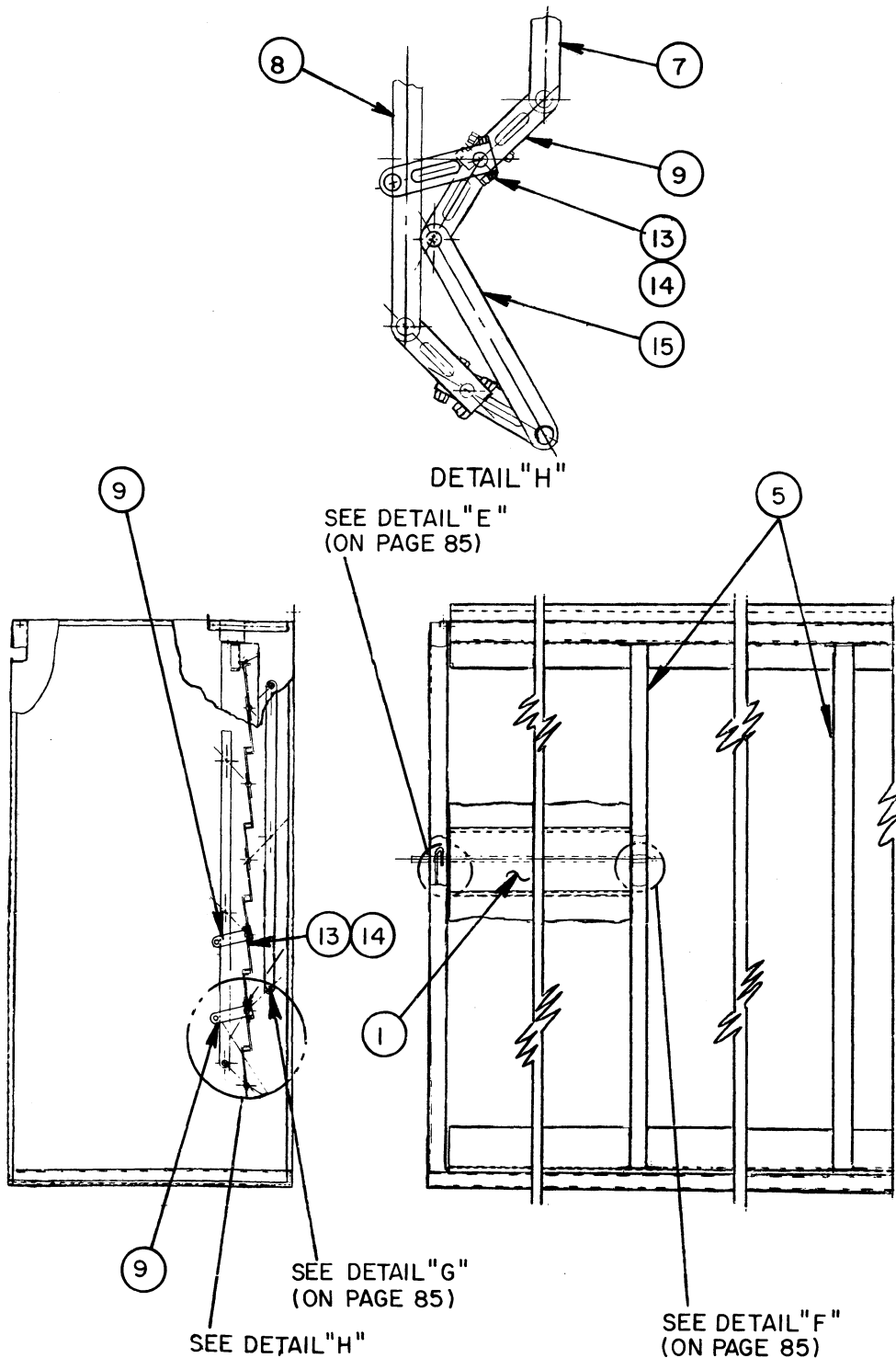
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

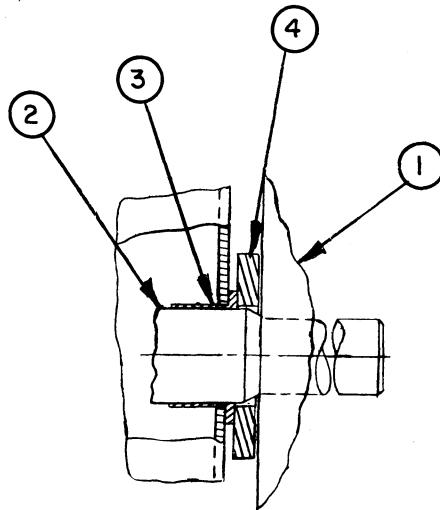
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER	
			75	90
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP UPPER AND LOWER SECTION (DESIGN #1)				
1	BLADE ASSEMBLY	39EA--80-A-163--	AS REQUIRED	
2	SHAFT	39EA--20--1902--	AS REQUIRED	
3	FLANGE TYPE BEARING	--KT--50NZ-008--	AS REQUIRED	
4	WASHER	39EA--20--2042--	AS REQUIRED	
5	CENTER SUPPORT (FOR UPPER SECTION) (FOR LOWER SECTION)	39EA--80-B-173-- 39EA--80-B-183--	2 2	2 2
6	SHAFT	39EA--30--1902--	AS REQUIRED	
7	LINKAGE BAR (FOR UPPER SECTION) (FOR LOWER SECTION)	39EA--80--1672-- 39EA--80--1692--	1 1	1 1
8	LINKAGE BAR (FOR UPPER SECTION) (FOR LOWER SECTION)	39EA--75--1692-- 39EA--80--3782--	1 1	1 1
9	DAMPER LEVER	39EA--20--1952--	AS REQUIRED	
10	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-254--	AS REQUIRED	
11	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	AS REQUIRED	
12	WASHER 7/16"	--AU--02AB-271--	AS REQUIRED	
13	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG	--AA--06BS-202--	AS REQUIRED	
14	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED	
15	LINKAGE BAR (FOR LOWER SECTION)	39EA--70--1692--	1	1



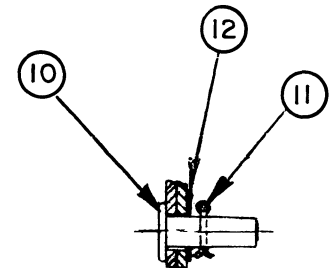
39EA FACE AND BY-PASS DAMPER (FBP) GROUP
UPPER SECTION
75 AND 90 SIZE UNIT
DESIGN #1



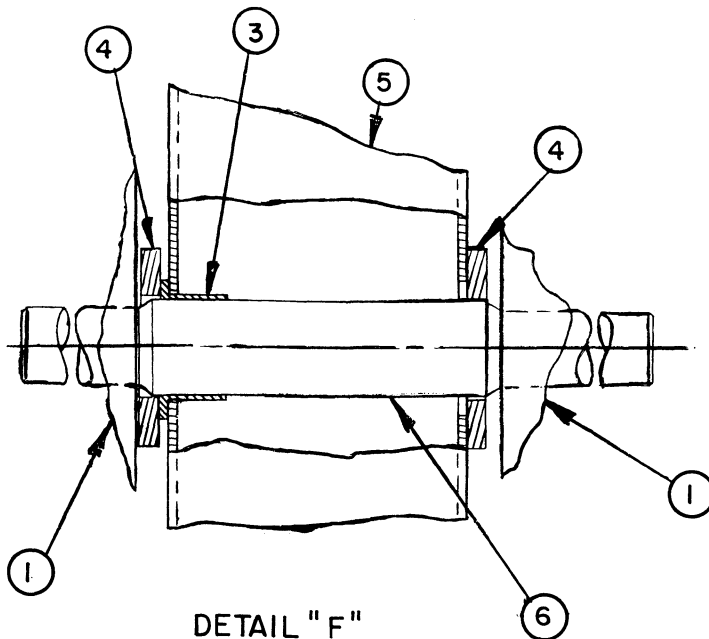
**39EA FACE AND BY-PASS DAMPER (FBP) GROUP
LOWER SECTION
75 AND 90 SIZE UNIT
DESIGN #1**



DETAIL "E"



DETAIL "G"



DETAIL "F"

39EA FACE AND BY-PASS DAMPER (FBP) GROUP
UPPER AND LOWER SECTION
75 AND 90 SIZE UNIT
DESIGN #1



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

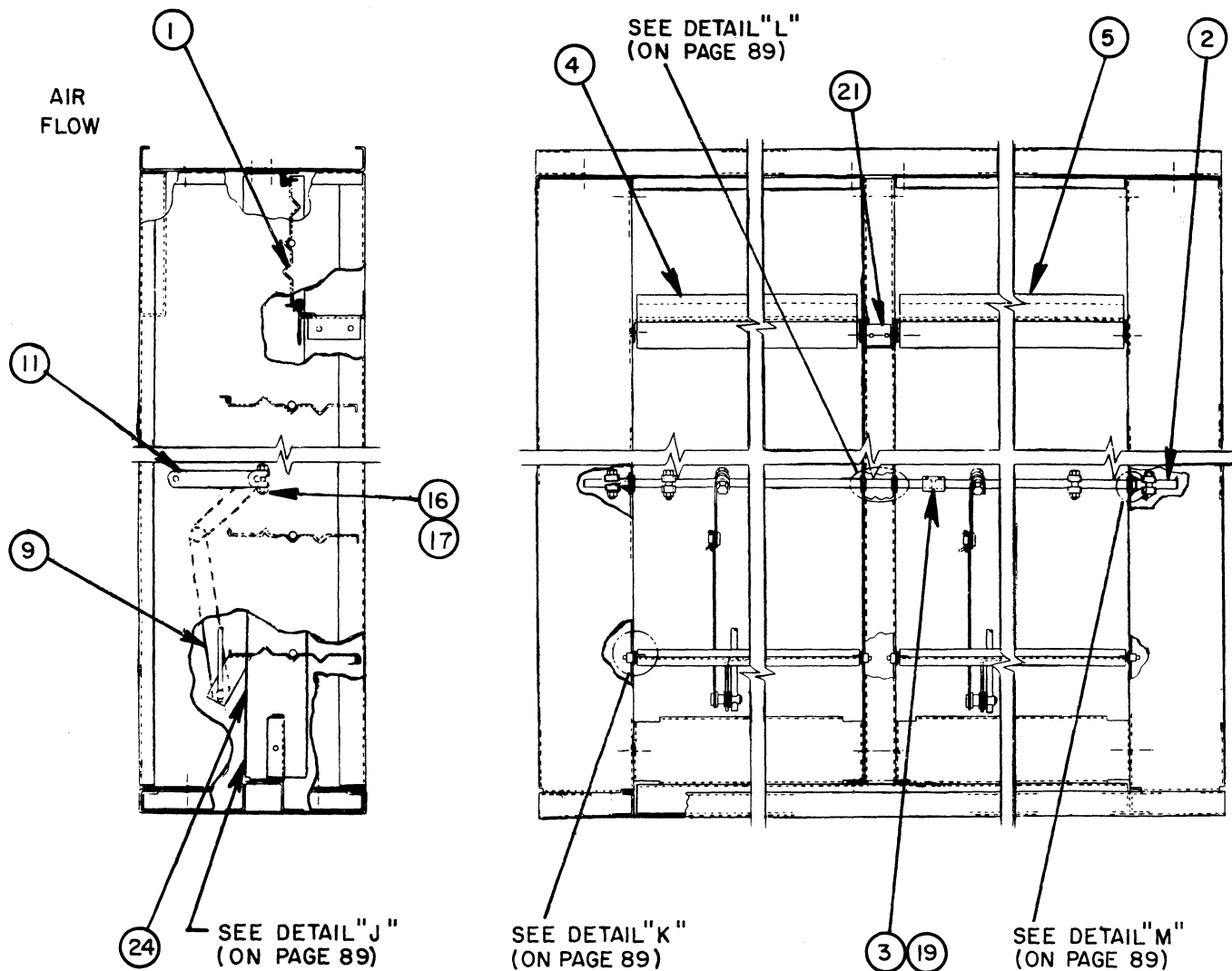
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER													
			08	10	12	15	18	21	26	32	39	48	57			
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP (DESIGN #2) (PRODUCTION PRIOR TO SEPTEMBER 1983)																
1	BLADE AND BRACKET ASSEMBLY	39EA--40-C-914-- 39EA--45-C-914-- 39EA--50-C-914-- 39EA--55-C-914-- 39EA--80-C-914-- 39EA--40-C-954-- 39EA--45-C-954-- 39EA--55-C-954-- 39EA--60-C-954-- 39EA--50-C-964-- 39EA--60-C-964-- 39EA--70-C-964-- 39EA--20-C-974-- 39EA--30-C-974-- 39EA--40-C-974-- 39EA--45-C-974-- 39EA--55-C-974-- 39EA--20-C-984-- 39EA--30-C-984-- 39EA--40-C-984-- 39EA--45-C-984-- 39EA--70-C-984-- 39EA--65-D-284-- 39EA--50-D-284-- 39EA--55-D-284-- 39EA--60-D-284--	1 1 2 2 1 1 <													



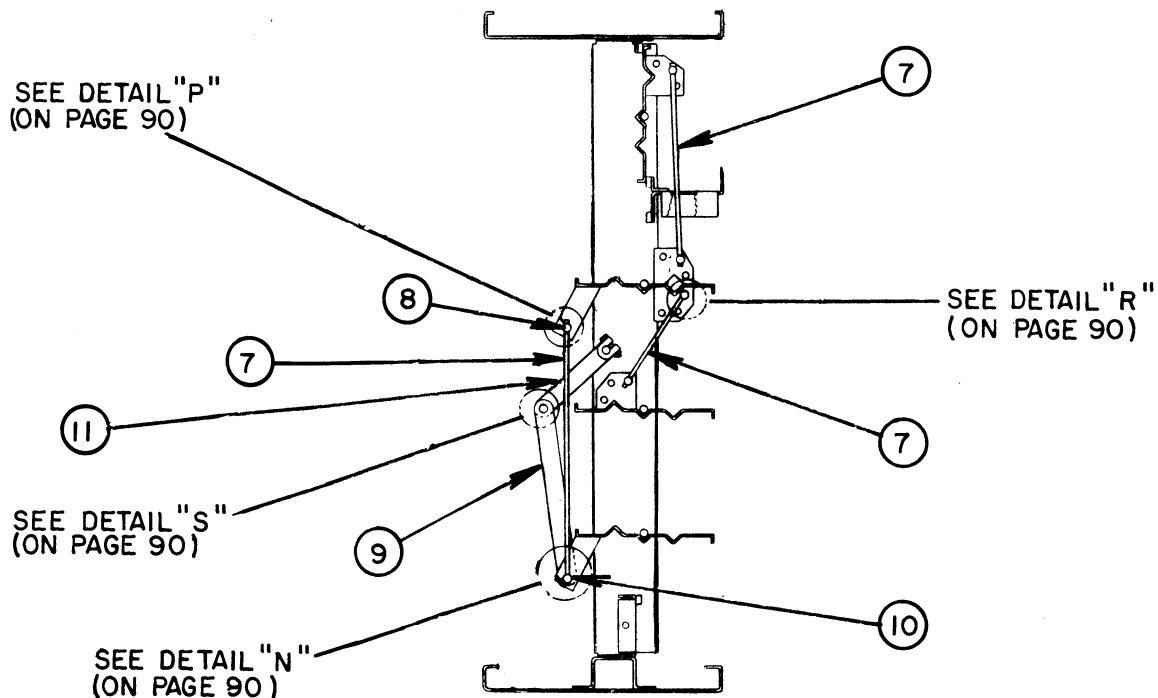
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

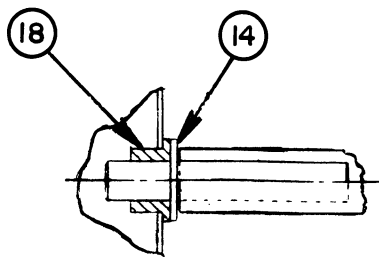
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER											
			08	10	12	15	18	21	26	32	39	48	57	
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP (CONT'D.) (DESIGN #2) (PRODUCTION PRIOR TO SEPTEMBER 1983)														
8	DAMPER PIN	39EA--20--6182--	AS REQUIRED											
9	LINKAGE BAR	39EA--20--6402--	2	2	2	2	2	2	2	3	3	3	3	
10	DAMPER PIN	39EA--20--6282--	2	2	2	2	2	2	2	3	3	3	3	
11	LEVER	39EA--70--2762--	6	6	6	6	6	6	6	8	8	8	8	
12	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-257--	2	2	2	2	2	2	2	3	3	3	3	
13	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	3	3	3	3	
14	WASHER 1/2"	39EA--20--6672--	AS REQUIRED											
15	SNAP IN PLASTIC BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED											
16	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	AS REQUIRED											
17	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED											
18	NYLON BUSHING	--KT--50NZ-045--	AS REQUIRED											
19	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED											
20	SPACER	39EA--20--6652--	2	2	2	2	2	2	2	3	3	3	3	
21	BRACKET	39EA--20--1852--	1	1	1	1	1	1	1	2	2	2	2	
22	SNAP IN BUSHING 7/16"	--KT--58BZ-035--	2	2	2	2	2	2	2	3	3	3	3	
23	WASHER 7/16"	--AU--02AB-271--	2	2	2	2	2	2	2	3	3	3	3	
24	CENTER SUPPORT	39EA--30-B-173-- 39EA--45-B-173-- 39EA--55-B-173-- 39EA--60-B-173-- 39EA--70-B-173--	1	1	1		1	1	1		2		2	2



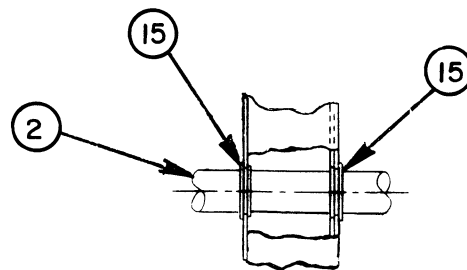
39EA FACE AND BY-PASS DAMPER (FBP) GROUP
UPPER AND LOWER SECTION
TYPICAL FOR 08 THRU 26 SIZE UNIT
(DESIGN #2, PRODUCTION PRIOR TO SEPTEMBER 1983)



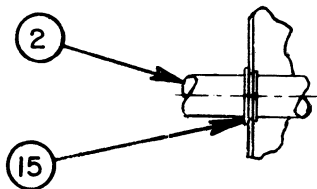
DETAIL "J"



DETAIL "K"

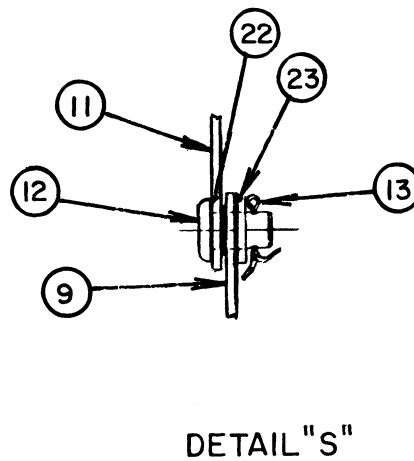
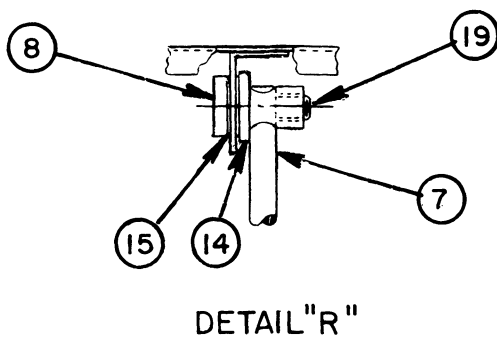
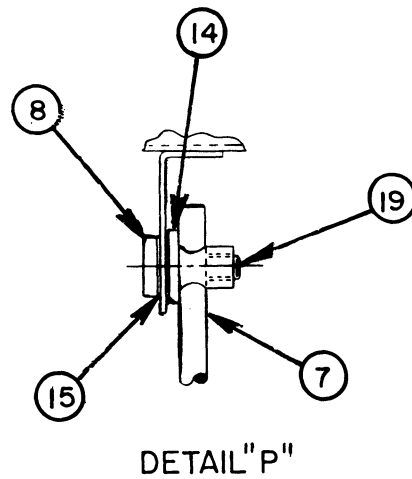
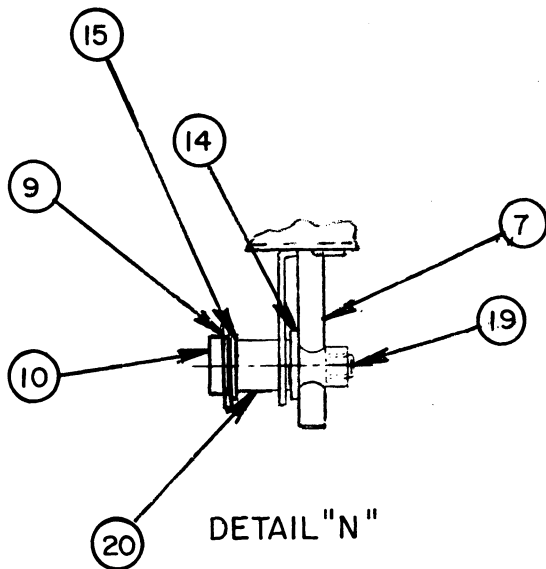


DETAIL "L"



DETAIL "M"

39EA FACE AND BY-PASS DAMPER (FBP) GROUP
(DESIGN #2, PRODUCTION PRIOR TO SEPTEMBER 1983)



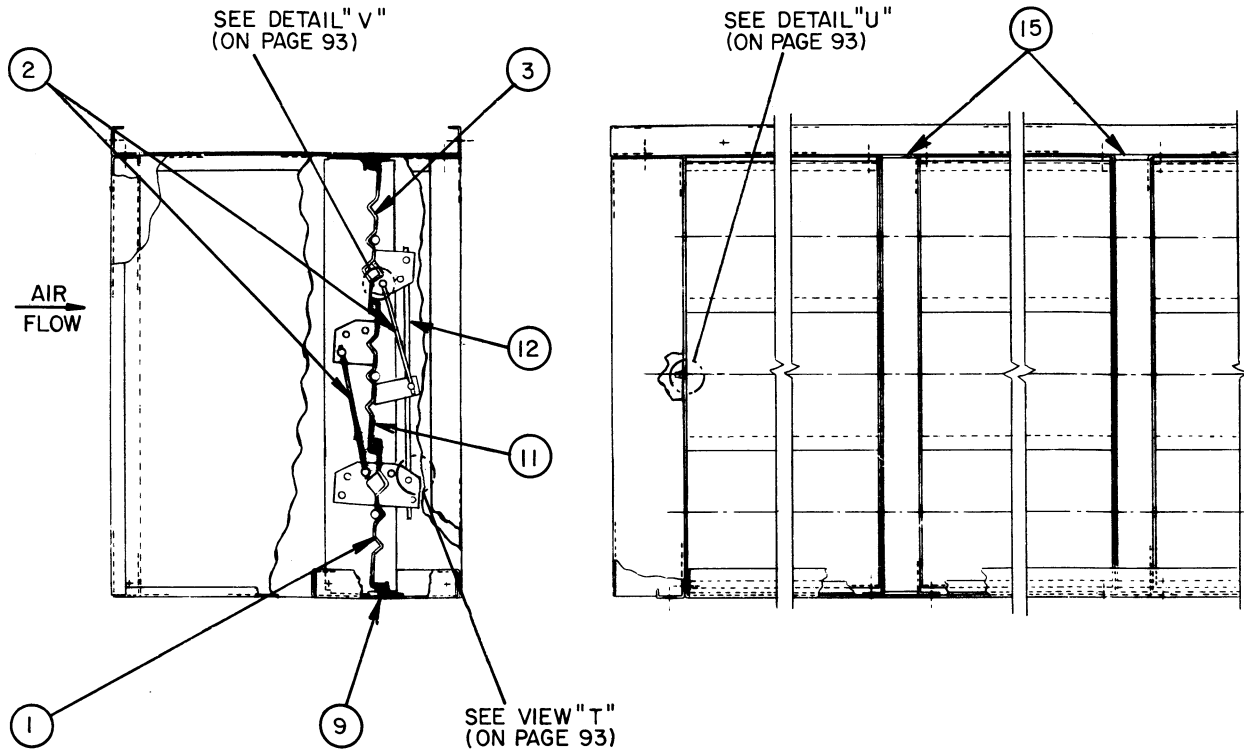
39EA FACE AND BY-PASS DAMPER (FBP) GROUP
(DESIGN #2, PRODUCTION PRIOR TO SEPTEMBER 1983)



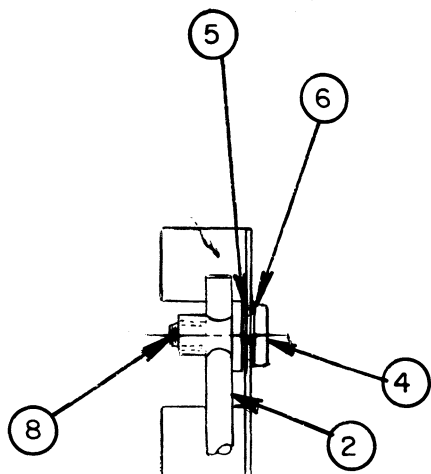
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

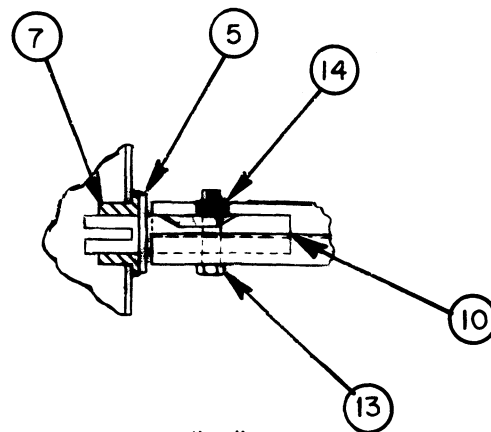
ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER	
			75	90
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP UPPER SECTION (DESIGN #2) (PRODUCTION PRIOR TO SEPTEMBER 1983)				
1	BLADE AND BRACKET ASSEMBLY	39EA--80-D-284--	3	3
2	CONNECTING SHAFT	39EA--30--6342--	6	6
3	BLADE AND BRACKET ASSEMBLY	39EA--80-C-974--	3	3
4	DAMPER PIN	39EA--20--6182--	AS REQUIRED	
5	WASHER 1/2"	39EA--20--6672--	AS REQUIRED	
6	SNAP IN PLASTIC BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED	
7	NYLON BUSHING	--KT--50NZ-045--	AS REQUIRED	
8	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AS-166--	AS REQUIRED	
9	DAMPER SEAL	39EA--20--9782--	AS REQUIRED	
10	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED	
11	BLADE AND BRACKET ASSEMBLY	39EA--80-D-334--	3	3
12	CONNECTING ROD	39EA--30--3143--	3	3
13	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED	
14	NUT 1/4"-20	--AT--31AG-171--	AS REQUIRED	
15	CENTER SUPPORT	39EA--80-B-173--	2	2



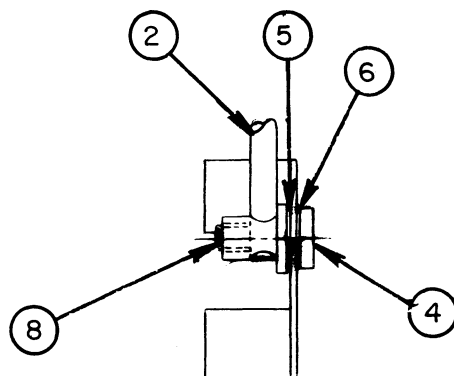
39EA FACE AND BY-PASS DAMPER (FBP) GROUP
UPPER SECTION
75 AND 90 SIZE UNIT
(DESIGN #2, PRODUCTION PRIOR TO SEPTEMBER 1983)



DETAIL "T"



DETAIL "U"



DETAIL "V"

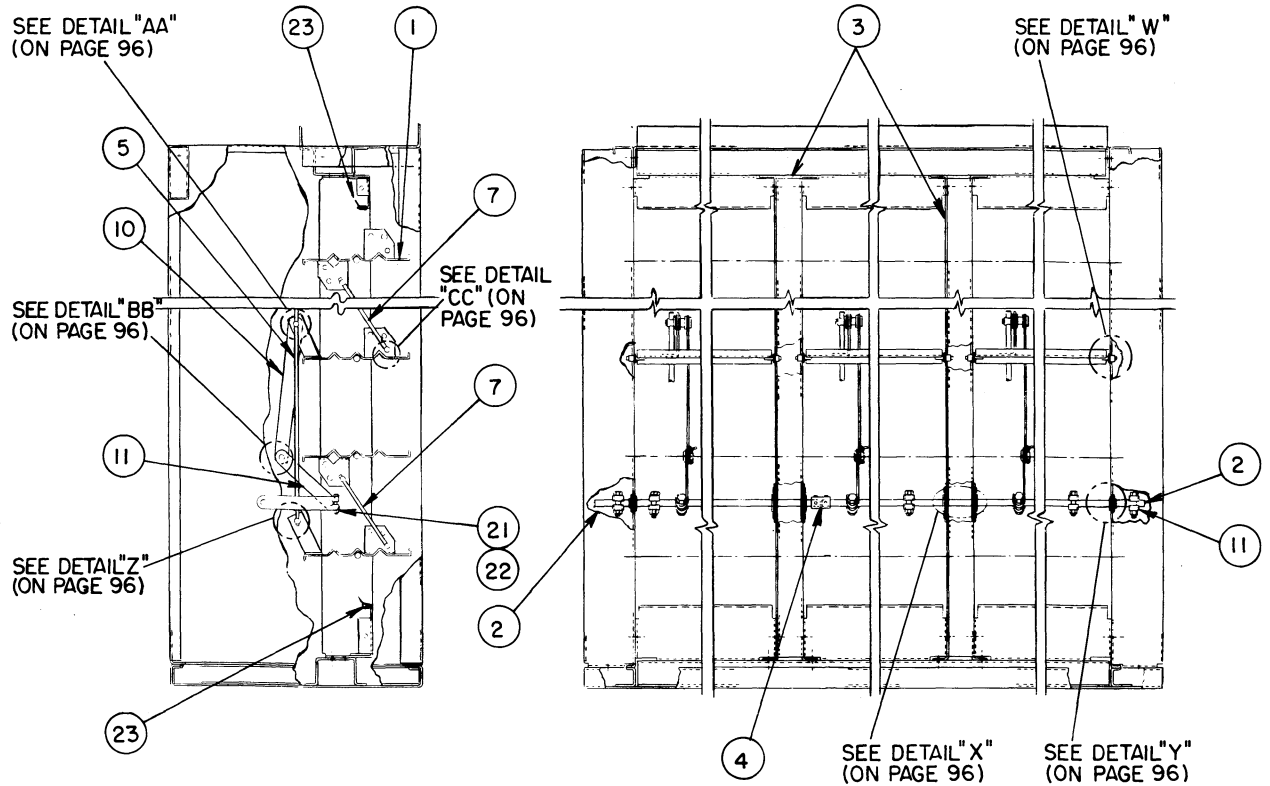
**39EA FACE AND BY-PASS DAMPER (FBP) GROUP
UPPER SECTION
75 AND 90 SIZE UNIT
(DESIGN #2, PRODUCTION PRIOR TO SEPTEMBER 1983)**



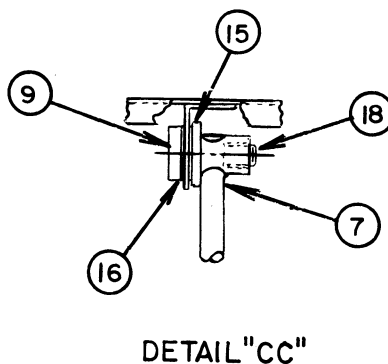
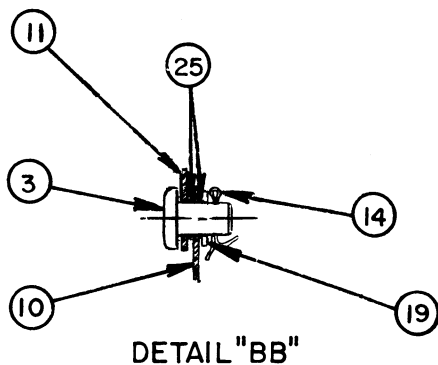
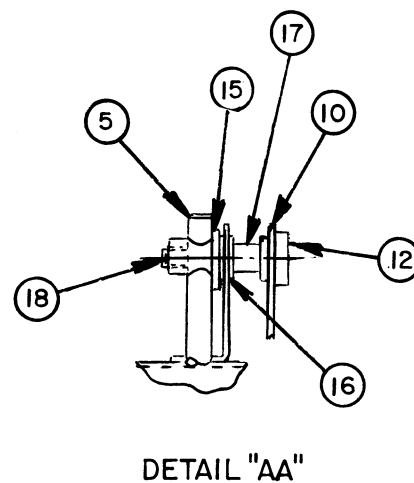
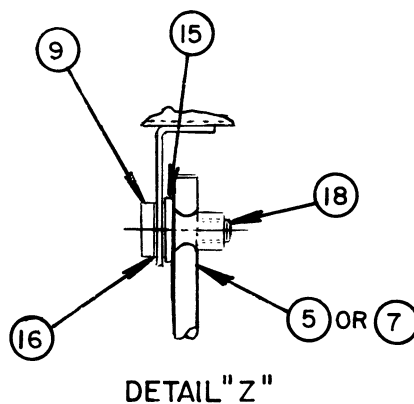
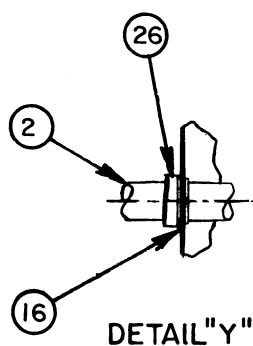
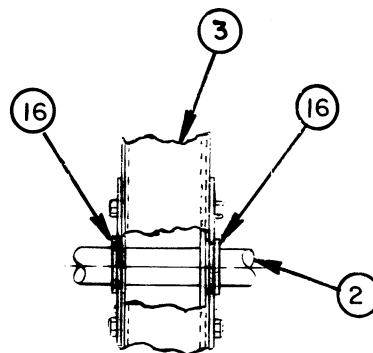
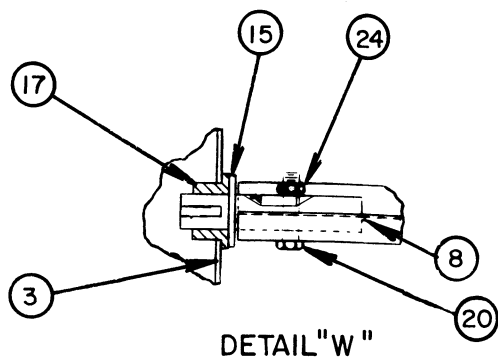
MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER	
			75	90
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP LOWER SECTION (DESIGN #2) (PRODUCTION PRIOR TO SEPTEMBER 1983)				
1	BLADE AND BRACKET ASSEMBLY	39EA--80-C-954-- 39EA--80-C-964-- 39EA--80-C-974--	18 3 15	18 3 15
2	JACK SHAFT 1/2" DIA. X 80.38" LG. 1/2" DIA. X 75.24" LG.	39EA--40-6332-- 39EA--60-6332--	1 1	1 1
3	CENTER SUPPORT	39EA--80-B-183--	2	2
4	JACK SHAFT COUPLING 1/2" I.D.	39EA--20--9542--	1	1
5	CONNECTING SHAFT	39EA--75--6342--	6	6
NI/6	DAMPER CONTROL SUPPORT PLATE	39EA--20--8002--	4	4
7	CONNECTING SHAFT	39EA--30--6342--	18	18
8	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED	
9	DAMPER PIN	39EA--20--6182--	AS REQUIRED	
10	LINKAGE BAR	39EA--20--6402--	3	3
11	LEVER	39EA--70--2762--	8	8
12	DAMPER PIN	39EA--20--6282--	3	3
13	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-257--	3	3
14	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	3	3
15	WASHER 1/2"	39EA--20--6672--	AS REQUIRED	
16	SNAP IN PLASTIC BUSHING 1/2"	--KT--58BZ-045--	AS REQUIRED	
17	NYLON BUSHING	--KT--50NZ-045--	AS REQUIRED	
18	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED	
19	WASHER 7/16"	--AU--02AB-271--	3	3
20	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED	
21	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	8	8
22	NUT 5/16"-18	--AT--39AB-201012	8	8
23	DAMPER SEAL	39EA--20--8402--	AS REQUIRED	
24	NUT 1/4"-20	--AT--31AG-171--	AS REQUIRED	
25	SNAP IN BUSHING 7/16"	--KT--58BZ-035--	6	6
26	SHAFT COLLAR 1/2"	--KT--51DC-001--	2	2



**39EA FACE AND BY-PASS DAMPER (FBP) GROUP
LOWER SECTION
75 AND 90 SIZE UNIT
(DESIGN #2, PRODUCTION PRIOR TO SEPTEMBER 1983)**



**39EA FACE AND BY-PASS DAMPER (FBP) GROUP
LOWER SECTION
75 AND 90 SIZE UNIT
(DESIGN #2, PRODUCTION PRIOR TO SEPTEMBER 1983)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER															
			11	13	17	19	23	29	36									
			08	10	12	15	18	21	26	32	39	48	57					
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP (DESIGN #3) (PRODUCTION AFTER SEPTEMBER 1983)																		
1	BLADE AND BRACKET ASSEMBLY	39EA--40-C-914-- 39EA--45-C-914-- 39EA--50-C-914-- 39EA--55-C-914-- 39EA--80-C-914-- 39EA--40-C-954-- 39EA--45-C-954-- 39EA--55-C-954-- 39EA--60-C-954-- 39EA--50-C-964-- 39EA--60-C-964-- 39EA--70-C-964-- 39EA--20-C-974-- 39EA--30-C-974-- 39EA--40-C-974-- 39EA--45-C-974-- 39EA--55-C-974-- 39EA--20-C-984-- 39EA--30-C-984-- 39EA--40-C-984-- 39EA--45-C-984-- 39EA--70-C-984-- 39EA--65-D-284-- 39EA--50-D-284-- 39EA--55-D-284-- 39EA--60-D-284--	1 1 2 2 1 1 															

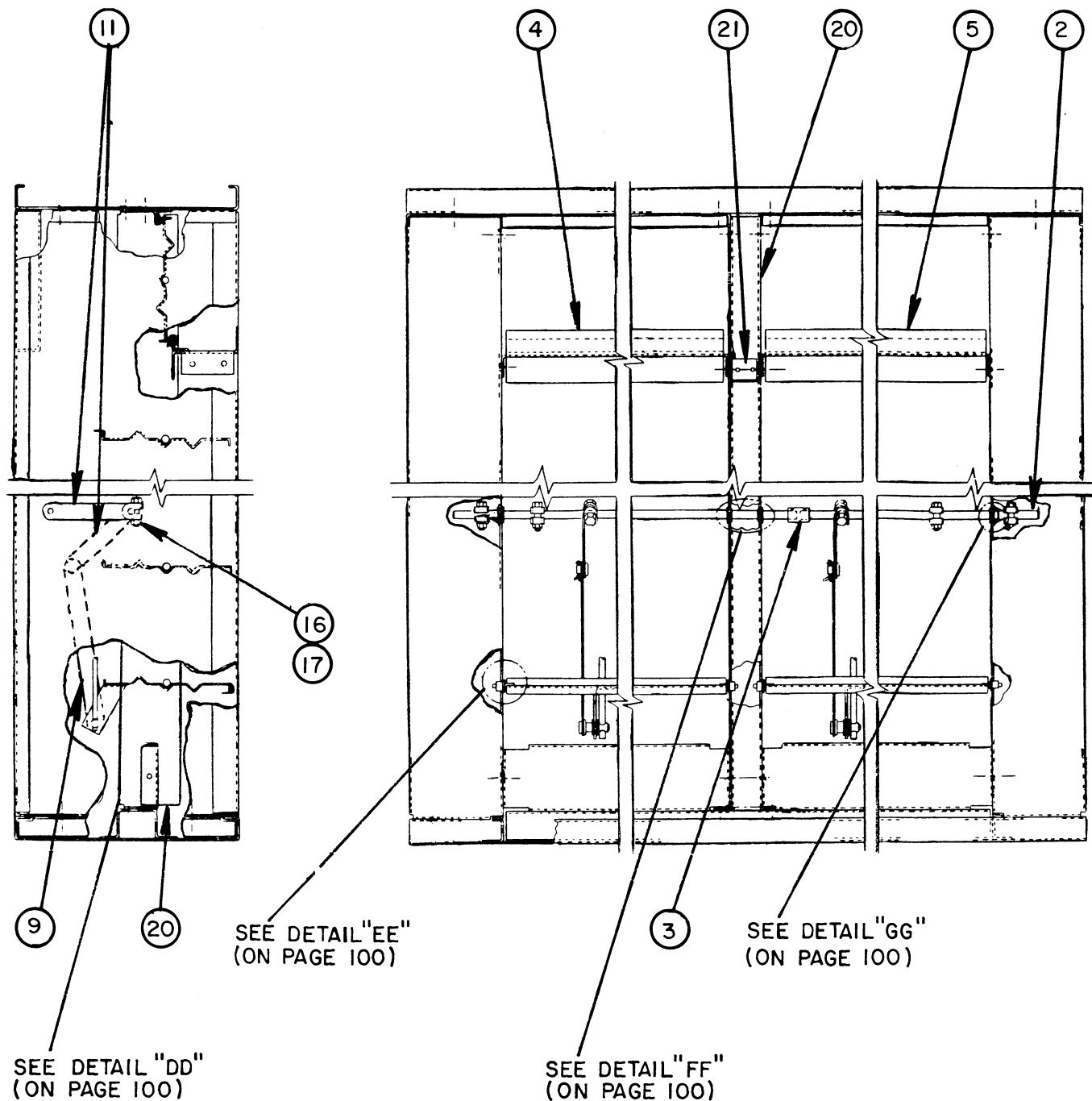


MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

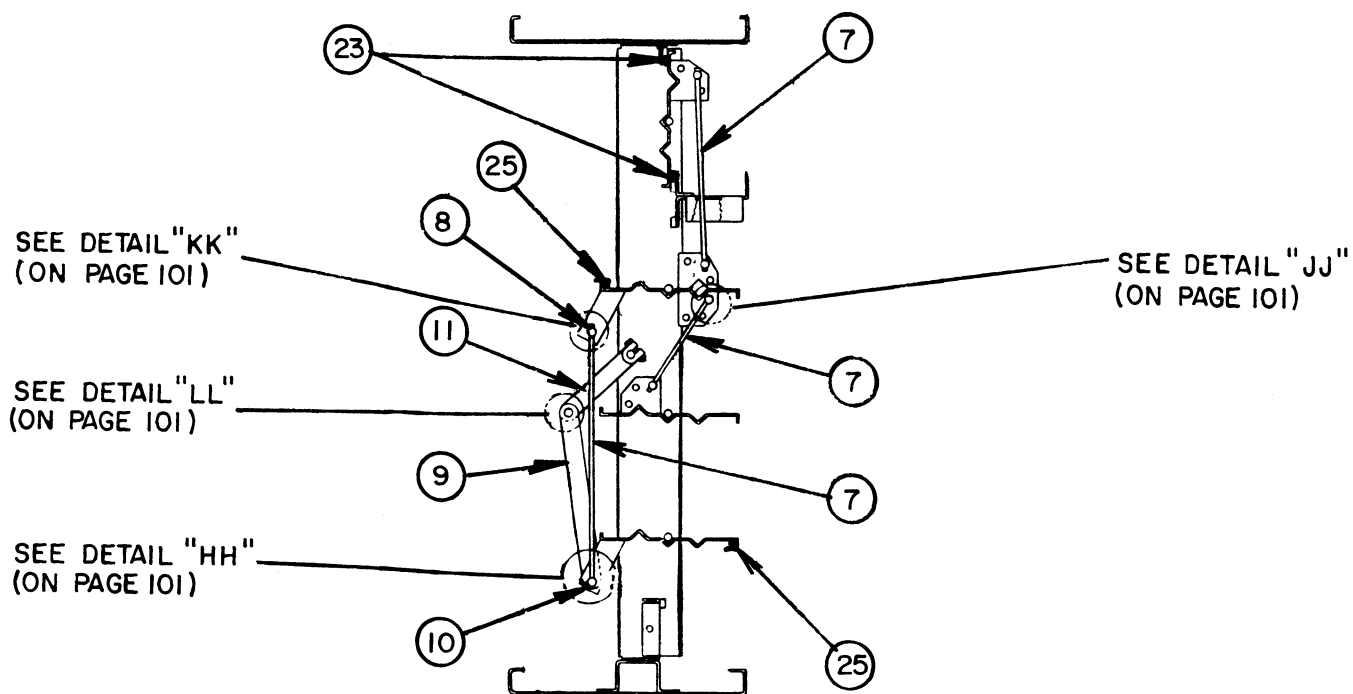
39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER													
			11	13	17	19	23	29	36							
			08	10	12	15	18	21	26	32	39	48	57			

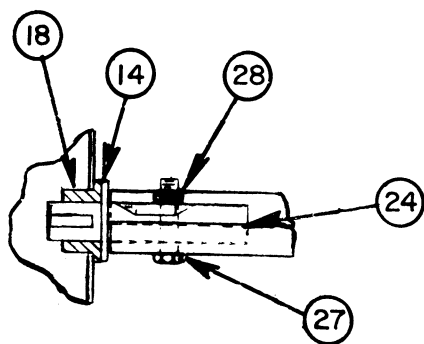
39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP (CONT'D.) (DESIGN #3) (PRODUCTION AFTER SEPTEMBER 1983)																
8	DAMPER PIN	39EA--20--6182--	AS REQUIRED													
9	LINKAGE BAR	39EA--20--6402--	2	2	2	2	2	2	2	3	3	3	3			
10	DAMPER PIN	39EA--20--6282--	2	2	2	2	2	2	2	3	3	3	3			
11	LEVER	39EA--70--2762--	6	6	6	6	6	6	6	8	8	8	8			
12	CLEVIS PIN 7/16" DIA. X 15/16" LG.	--AX--16AU-257--	2	2	2	2	2	2	2	3	3	3	3			
13	COTTER PIN 1/8" DIA. X 1" LG.	--AX--01AB-042--	2	2	2	2	2	2	2	3	3	3	3			
14	WASHER 1/2"	39EA--20--6672--	AS REQUIRED													
15	SNAP IN PLASTIC BUSHING 1/2"	--KT--58NZ-045--	AS REQUIRED													
16	HEX HEAD CAPSCREW 5/16"-18 X 1-1/4" LG.	--AA--06BS-202--	AS REQUIRED													
17	NUT 5/16"-18	--AT--39AB-201012	AS REQUIRED													
18	NYLON BUSHING	--KT--50NZ-045--	AS REQUIRED													
19	SET SCREW 1/4"-20 X 1/2" LG.	--AE--19AR-166--	AS REQUIRED													
20	CENTER SUPPORT	39EA--30-B-173-- 39EA--45-B-173-- 39EA--55-B-173-- 39EA--60-B-173-- 39EA--70-B-173--	1	1	1				1	1	1					
												1	2			
														2		
															2	2
21	BRACKET	39EA--20--1852--	1	1	1	1	1	1	1	2	2	2	2			
22	CENTER DAMPER SUPPORT PLATE	39EA--20--8002--								2	4	4	4	4		
23	PLASTIC SEAL (LINEAR FEET)	39EA--20--8632--	AS REQUIRED													
24	SLIDE PIN 2-1/2" LG.	--AX--23AB-059--	AS REQUIRED													
25	DAMPER SEAL (LINEAR FEET)	39EA--20--9782--	AS REQUIRED													
26	WASHER 7/16"	--AU--02AB-271--	2	2	2	2	2	2	2	3	3	3	3			
27	SCREW 1/4"-20 X 1" LG.	--AA--06BS-170--	AS REQUIRED													
28	NUT 1/4"-20	--AT--60AG-171--	AS REQUIRED													
29	SNAP IN BUSHING 7/16"	--KT--58BZ-035--	2	2	2	2	2	2	2	3	3	3	3			
30	PUSH ON CLIP	--AS--01YK-200--	2	2	2	2	2	2	2	2	2	2	2			



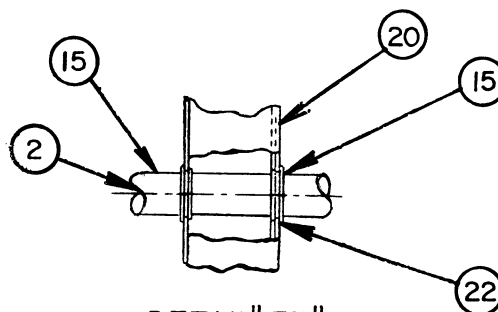
39EA FACE AND BY-PASS DAMPER (FBP) GROUP
TYPICAL FOR 08 THRU 26 AND 08 THRU 29 SIZE UNIT
(DESIGN #3, PRODUCTION AFTER SEPTEMBER 1983)



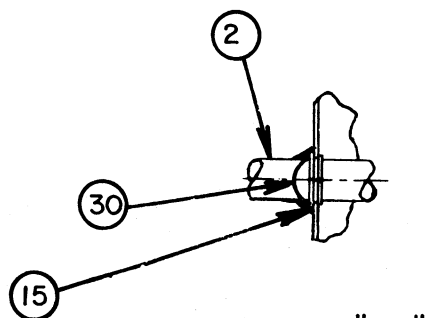
DETAIL "DD"



DETAIL "EE"

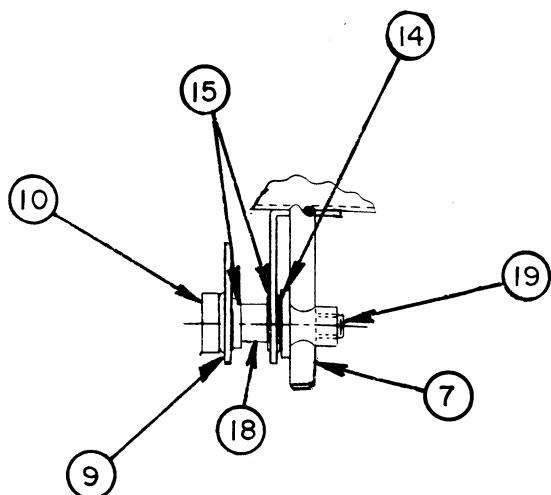


DETAIL "FF"

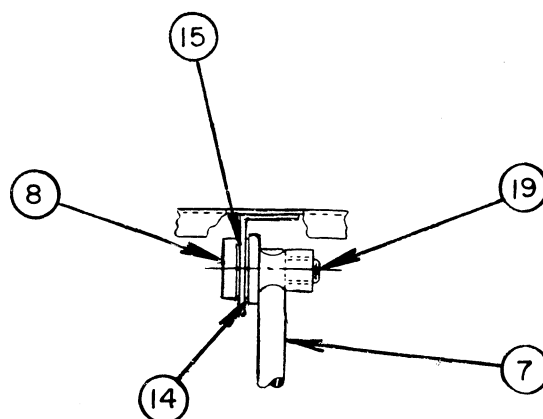


DETAIL "GG"

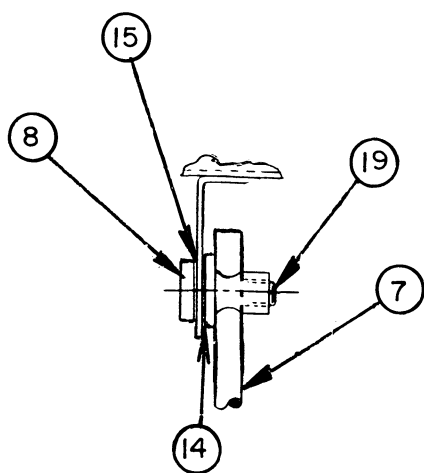
**39EA FACE AND BY-PASS DAMPER (FBP) GROUP
(DESIGN #3, PRODUCTION AFTER SEPTEMBER 1983)**



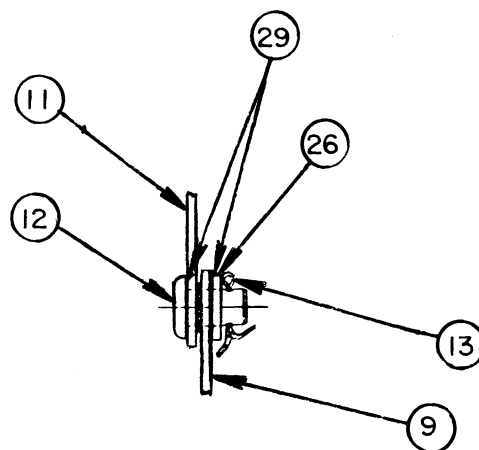
DETAIL "HH"



DETAIL "JJ"



DETAIL "KK"



DETAIL "LL"

**39EA FACE AND BY-PASS DAMPER (FBP) GROUP
(DESIGN #3, PRODUCTION AFTER SEPTEMBER 1983)**



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E /ER	
			75	90

39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP
UPPER SECTION
(DESIGN #3) (PRODUCTION AFTER SEPTEMBER 1983)

NOTE: SEE 39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP, UPPER SECTION
(DESIGN #2) (PRODUCTION PRIOR TO SEPTEMBER 1983) ON PAGES 91 THROUGH 93
FOR REPLACEMENT PARTS.

39EA FACE AND BY-PASS DAMPER (F.B.P.) GROUP
LOWER SECTION
(DESIGN #3) (PRODUCTION AFTER SEPTEMBER 1983)

NOTE: THE 39EA (F.B.P) LOWER SECTION (DESIGN #3), IS THE SAME AS THE
39EA (F.B.P) LOWER SECTION (DESIGN #2) ON PAGES 94 THROUGH 96
EXCEPT FOR THE FOLLOWING CHANGES:

23	DAMPER SEAL	(LINEAR FEET)	39EA--20--9782--	AS REQUIRED	
26	PUSH ON CLIP		--AS--01YK-200--	2	2



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E													
			11	13	17	19	23	29	36							
			08	10	12	15	18	21	26	32	39	48	57	75	90	

FILTER SECTION

NOTE: FOR ROLL FILTER SECTION REPLACEMENT PARTS REFER TO THE 31NA OR 31NC SPECIFIED PARTS CATALOG. SELECT PARTS IN ACCORDANCE WITH THE SERIAL NUMBERS LISTED BELOW.

S/N 7827XXXXX AND LOWER, SEE 31NA SPECIFIED PARTS CATALOG.

S/N 7828XXXXX AND HIGHER, SEE 31NC SPECIFIED PARTS CATALOG.

LOW VELOCITY FILTER 15-1/2" X 24-1/2" X 2"	PROCURE LOCALLY	8	8	19	19	15	15	24	28	28	48	48	80	80		
HIGH VELOCITY FILTER 15-1/2" X 24-1/2" X 2"	PROCURE LOCALLY	4	4	6	6	8	9	12	14	16	24	24	38	38		
BAG FILTER 12" X 24"	PROCURE LOCALLY	1			4	4	4		2	6	3	3	4	4		
24" X 24"	PROCURE LOCALLY	2	3	3	3	3	4	8	8	8	15	15	24	24		
FILTER (LOCATED IN RAINHOOD) 16" X 20" X 1"	--KH--03DU-320--							10	4	2	2	21	21	9		
16" X 25" X 1"	--KH--03DU-330--					3			6	3	3					
20" X 20" X 1"	--KH--03DU-340--	1	1	4	4					2	2			9		
20" X 25" X 1"	--KH--03DU-350--	2	2			2	5			3	3					



MISCELLANEOUS SECTION CENTRAL-STATION AIR-HANDLING UNITS

39E

ITEM NO.	PART NAME AND DESCRIPTION	REPLACEMENT PART NUMBER	USED ON 39E													
			08	10	11	12	13	15	17	18	19	21	23	26	29	36
ACCESSORY GROUP																
	STROBE LIGHT	--TL--01---680001														
	PAINT (HORIZON) (SEA SPRAY GREEN)															
	(16 OZ. SPRAY CAN)	--PH--23GL-012--														
	(5 GALLON CAN)	10-P--47---005--														
	PLUG BUTTON KIT	39EA-660---002--														
	INCLUDES:															
	1/4" DIA.; QUANTITY 15															
	3/8" DIA.; QUANTITY 35															
	3/8" X 3/4" SLOT; QUANTITY 30															
	5/16" DIA.; QUANTITY 20															
	J-TUBE (DRAIN TUBE)	39ER--20---202--														
	(FOR 39ER UNITS ONLY)	AND														
		(SPEED NUT)														
		--AS--31YF-002--														
	COIL NOZZLE GROMMET	-9-H--9---4002--														
	GRAY FOAM GASKET (MXB)															
	1/8" X 1-1/2" X 50' (SPEC. #QR09-30)	PAGE #1568														
	GRAY FOAM															
	1/4" X 1-1/2" X 50' (SPEC. #QR09-30)	PAGE #1663														
	BLACK FOAM (LVF; ACC; BFS DOORS)															
	7/16" X 1-1/4" X 50' (SPEC. #QR09-14)	PAGE #2170														
	BLACK FOAM (CURB GASKET)															
	1/2" X 2" X 25' (SPEC. #QR09-14)	PAGE #1991														
	BLACK FOAM (FAN DOOR)															
	1/8" X 3/4" X 50' (SPEC. #QR09-14)	PAGE #2260														
	BLACK CAULKING (39ER UNITS)															
	1/8" X 1-1/2" X 25' (SPEC. #PF03-1)	PAGE #1998														
	OPEN CELL FOAM															
	7/16" X 1" X 50' (SPEC. #QR10-2)	PAGE #2020														
	(FITS INSIDE TRACK INSIDE FILTER SECTION)															
	EXTENDED STRAIGHT GREASE FITTING	--CW--08CA-027--														
	COMPRESSION CONNECTOR	--DD--09DA-028--														
	PLAIN WASHER 3/8"	--AU--02AB-242--														