

ENGINEERING NOTES

- 51. UNASSIGNED.
- 52. UNASSIGNED.
- 53. ALL PARTS CALLED OUT ON THIS DRAWING ARE ORDERED ON ED5D772-70.
- 54. NCT ADAPTERS MUST BE USED IN THE CROSS AISLE CABLE TROUGH ON THE BRIDGE, AND AT THE END OF LINE UP WHEN NCT CABLES ARE RUN.
- 55. NCT BRIDGE IS REQUIRED TO BRIDGE NCT CABLES ACROSS LINEUP CABLE RACKS.
- 56. UNASSIGNED.
- 57. LINE ENGINEER SHALL ORDER CROSS AISLE CABLE TROUGHS IDENTIFICATION LABELS COMCODES, AS SHOWN IN FIGURES 10,11 AND 12 ORDER AS REQUIRED; COMCODE 846697985 SWITCHBOARD CABLE LABEL, COMCODE 846697993 POWER CABLE LABEL AND COMCODE 846843126 FIBER OPTIC LABEL. INSTALLER TO APPLY LABELS APPROXIMATELY WHERE SHOWN, ONE PER EACH TROUGH.
- 58. WHEN GROUPS 20 TO 23 AND 71 TO 74 ARE SPECIFIED AND CAN NOT BE MOUNTED AT THE CABINET JUNCTIONS INSTALL THE SUPPORTING BRACKETS IN THE MIDDLE OF FRAME WHERE LIGHTING BRACKETS NORMALLY SUPPORT THE "ELCIN" GRID; ONLY ONE BRACKET IS PERMITTED TO BE REMOVED OUT OF A LINEUP FOR THE FLEX-SM TROUGHS.
- 59. WHEN CROSS AISLE TROUGHS AND THE ASSOCIATED MOUNTING BRACKETS ARE INSTALLED TO A PHASE II TYPE CABINET ORDER METRIC HEX BOLTS M10X40 COMCODE 901342758 AS REQUIRED PER ED5D772-70.
- 60. FOR GROUNDING PURPOSES, THE INSTALLER MUST TIGHTEN THE BUTTON HEAD CAP SCREWS TO ENSURE A POSITIVE GROUND PATH (REF ED5D805-10) ONE SCREW ON EACH SIDE OF THE TROUGH AND TWO SCREWS ON THE BOTTOM OF THE TROUGH. SEE SECTION B-B, SH B13. APPLIES TO FLEX-SM (PIDB/PICB) CROSS AISLE CABLE TROUGHS (ED5D772-70 GROUPS 19 THROUGH 23 AND 70 THROUGH 74).
- 61. DURING SM TO SM2K CONVERSION APPLICATIONS, REPLACE THE EXISTING 4 BOLTS (901349654) AND LOCKWASHERS (996295333) WITH THE NEW HARDWARE CONTAINED IN THE FLEX-SM (PIDB/PICB) CROSS AISLE TROUGH KITS (ED5D772-70 G19 THRU G23 AND G70 THRU G74). REF SH B22, FIG 25.
- 62. THE PREFERRED CONFIGURATION OF GROUPS 19 THRU 23 AND 70 THRU 74 IS MOUNTING AT THE CABINET JUNCTIONS. IN ORDER TO HAVE ENOUGH EQUIPMENT FOR THIS CONFIGURATION THE GROUPS MUST BE ORDERED IN MULTIPLES OF TWO. IF ONE OF THE CABINET JUNCTIONS TO BE USED IS OCCUPIED THEN USE THE CENTRALLY MOUNTED CONFIGURATION.

ISSUE NOTES (CONTINUED)

ADDED SHEET B25 TO SHOW GRAPHICS OF EXISTING HARDWARE. ON SHEET B8, COMCODE 901349605 READ 802102236 AND 901349654 READ 801472853. UPDATED EN 58 AND CREATED EN 62 TO REFERENCE A NEW CONFIGURATION. ADDED TEXT TO SHEET B22. ADDED SHEETS B23 AND B24 TO SHOW THE NEW CONFIGURATION.

ORIG ISS: 05/17/93 NDD NBR: H09270 CHANGE CLASS: ME

DRAFT: SMD ENGR: EMR SUPV: EJZ CERTIFIED: 02/09/01 ISSUE: 8

ISSUE NOTES

ORIG ISS: 05/17/93 CHANGE CLASS:

DRAFT: BWW ENGR: GSC SUPV: EJB CERTIFIED: 05/17/93 ISSUE: 1

IN SHEET B2, B3 AND B4 TROUGH OVERALL LENGTH OF 685.8 MM (27.00) READ 508 MM (20.00). IN SHEET B3 94.8 (3.731) DIM. READ 44.2 MM (1.741). SHEETS B11, B12 AND B13 ADDED. IN GRAPHICS SHEETS B8 AND B9 COMCODE 847112471 READ 847112398; ALSO G13, G15, G24, G25, G26 AND G27 ADDED.

ORIG ISS: 05/17/93 CHANGE CLASS: ME

DRAFT: BWW ENGR: GSC SUPV: CERTIFIED: 10/04/93 ISSUE: 2

IN SHEETS B1,B2,B4 AND B7 GRAPHICS CHANGED TO SHOW CROSS AISLE TROUGH MOUNTING BRACKETS AND FASTENERS COMCODES: 847401510, 847401528, 801085119 AND 803690171; THE SUPERSEDED BRACKET READ 847112174, IN SHEET B3 BRACKET COMCODE 847401528 READ 847112174. IN SHEET B5 152.7 {6.010} REF DIM'N ADDED, IN SHEET B6 48.8 {1.920} REF DIM'N ADDED, IN SHEET B8 48.8 {1.920} REF DIM'N ADDED, IN SHEET B11 133.6 {5.26} REF DIM'N ADDED, IN SHEET B12 43.2 {1.70} REF DIM'N ADDED, SHEET B14 AND ENGINEERING NOTES 58 AND 59 ADDED.

ORIG ISS: 05/17/93 CHANGE CLASS: ME

DRAFT: GES ENGR: GSC SUPV: CERTIFIED: 10/04/94 ISSUE: 3

SHEETS B15, B16, B17, B18, B19, B20 & B21 ADDED. "AT&T" REMOVED FROM ALL SHEETS.

ORIG ISS: 05/17/93 NDD NBR: NDD5D772IX-1 CHANGE CLASS: ME

DRAFT: GES ENGR: GSC SUPV: EJZ CERTIFIED: 12/16/98 ISSUE: 4

C1037 - ON GRAPHIC SHEETS B11, B12 & B13, UPDATED CROSS AISLE DRAWINGS TO INCLUDE APPROPRIATE MASKING, ADDED WELDNUTS FOR GROUNDING (ED4C686-70, GROUP 30), AND INSTALLATION LABEL FOR GROUNDING PURPOSES. ON SHEET A1, ADDED ENG NOTE 60.

ORIG ISS: 05/17/93 NDD NBR: NDD5D772IX-2 CHANGE CLASS: ME

DRAFT: ED ENGR: ED SUPV: EJZ CERTIFIED: 05/19/99 ISSUE: 5

ADDED "(REF ED5D805-10)" AND "(PIDB/PICB)" TO EN 60; ADDED EN 61. ON EN 59, CC READ 847116852. SECURITY CODE READ "RT13". ON SH B11 AND B12, ADDED CALLOUT TO DETAIL F. ON SH B12, ADDED DETAIL F. ON SH B13, DETAIL E, ADDED "PART OF 5ESS..." ADDED SH B22.

ORIG ISS: 05/17/93 NDD NBR: C00001 CHANGE CLASS: ME

DRAFT: ED ENGR: ED SUPV: EJZ CERTIFIED: 01/07/00 ISSUE: 6

IN SHEETS B11, B12, AND B22 ADDED NEW COMCODES RESULTING FROM COLOR CHANGE TO WHITE. MODIFIED EN 60 AND 61 TO INCLUDE GROUPS 70 THRU 74. MODIFIED EN 58 TO INCLUDE GROUPS 71 THRU 74.

ORIG ISS: 05/17/93 NDD NBR: C00015 CHANGE CLASS: ME

DRAFT: SMD ENGR: EMR SUPV: EJZ CERTIFIED: 10/25/00 ISSUE: 7

SHEET INDEX

SHT NBR	A1 THRU A1 ISSUE 8										
ISSUE											
SHT NBR	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
ISSUE	4	4	4	4	4	4	4	8	4	4	7
SHT NBR	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22
ISSUE	7	6	4	4	4	4	4	4	4	4	8
SHT NBR	B23	B24	B25								
ISSUE	8	8	8								
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BT99

5ESS-2000 SWITCHING EQUIPMENT
METHOD OF INSTALLATION
CROSS AISLE CABLE TROUGHS

DWG SIZE C2 ISSUE 8

LUCENT TECHNOLOGIES INC ED5D772-10

SHEET A1 OF 26

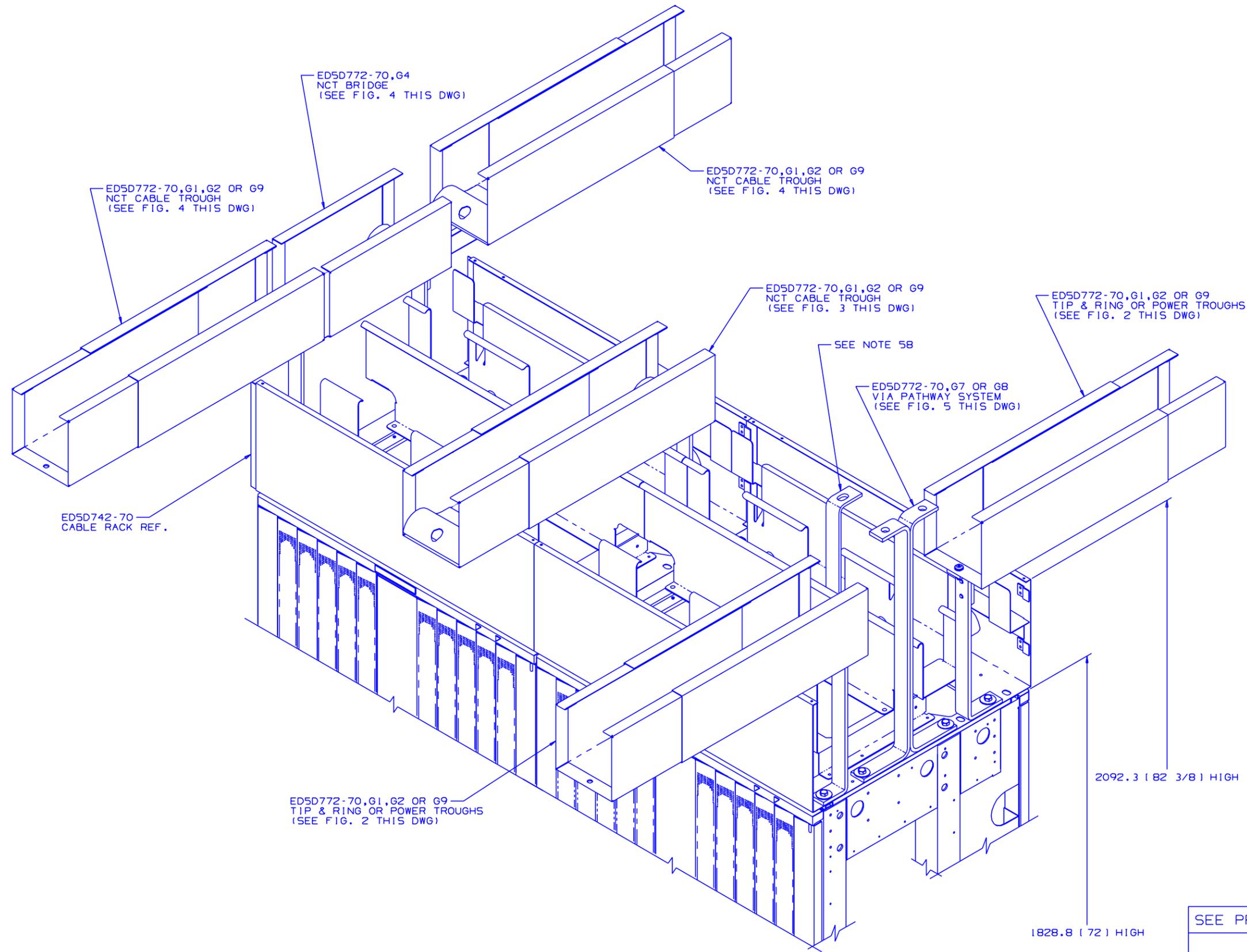


FIG. 1
CROSS AISLE CABLE TROUGHS

SEE PROPRIETARY NOTICE ON SHEET ONE		
5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		DWG SIZE C2
LUCENT TECHNOLOGIES INC		ISSUE 4
ED5D772-10		SHEET B1
PRINTED IN U.S.A.		

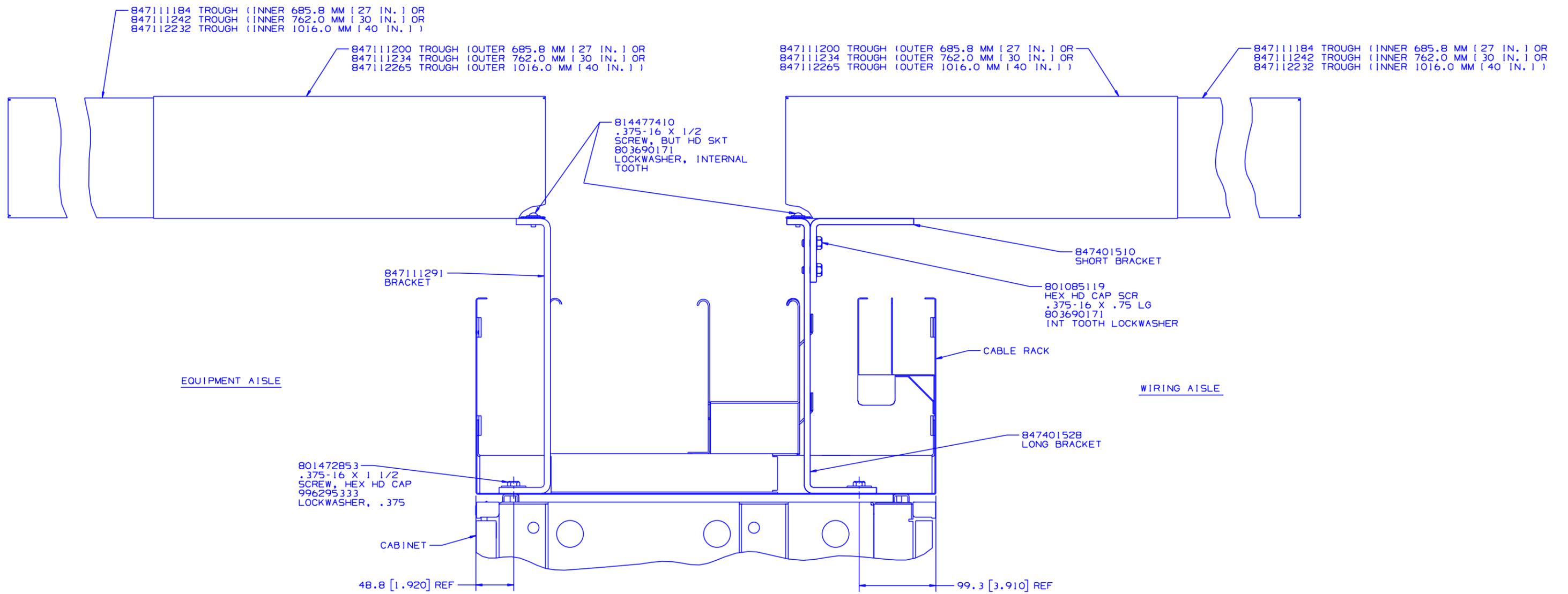


FIG. 2
ED5D772-70, G1, G2 OR G9
TIP & RING OR POWER TROUGHS

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		DWG SIZE C2
		ISSUE 4
LUCENT TECHNOLOGIES INC	ED5D772-10 <small>PRINTED IN U.S.A.</small>	SHEET B2

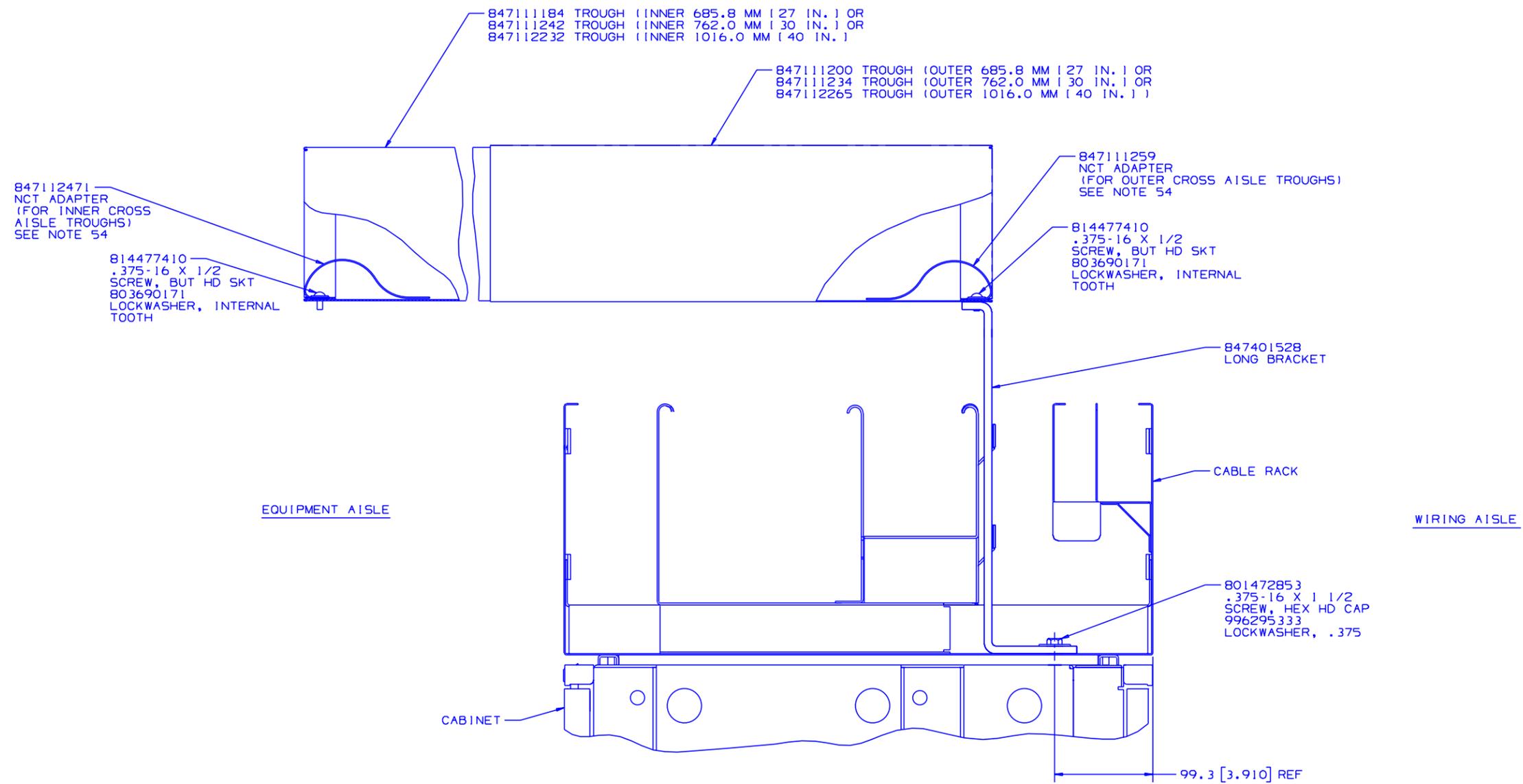


FIG. 3
 ED5D772-70, G1, G2 OR G9
 NCT CABLE TROUGH

SEE PROPRIETARY NOTICE ON SHEET ONE

SESS-2000 SWITCHING EQUIPMENT
 METHOD OF INSTALLATION
 CROSS AISLE CABLE TROUGHS

DWG SIZE C2	ISSUE 4
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LUCENT TECHNOLOGIES INC

ED5D772-10

SHEET
B3

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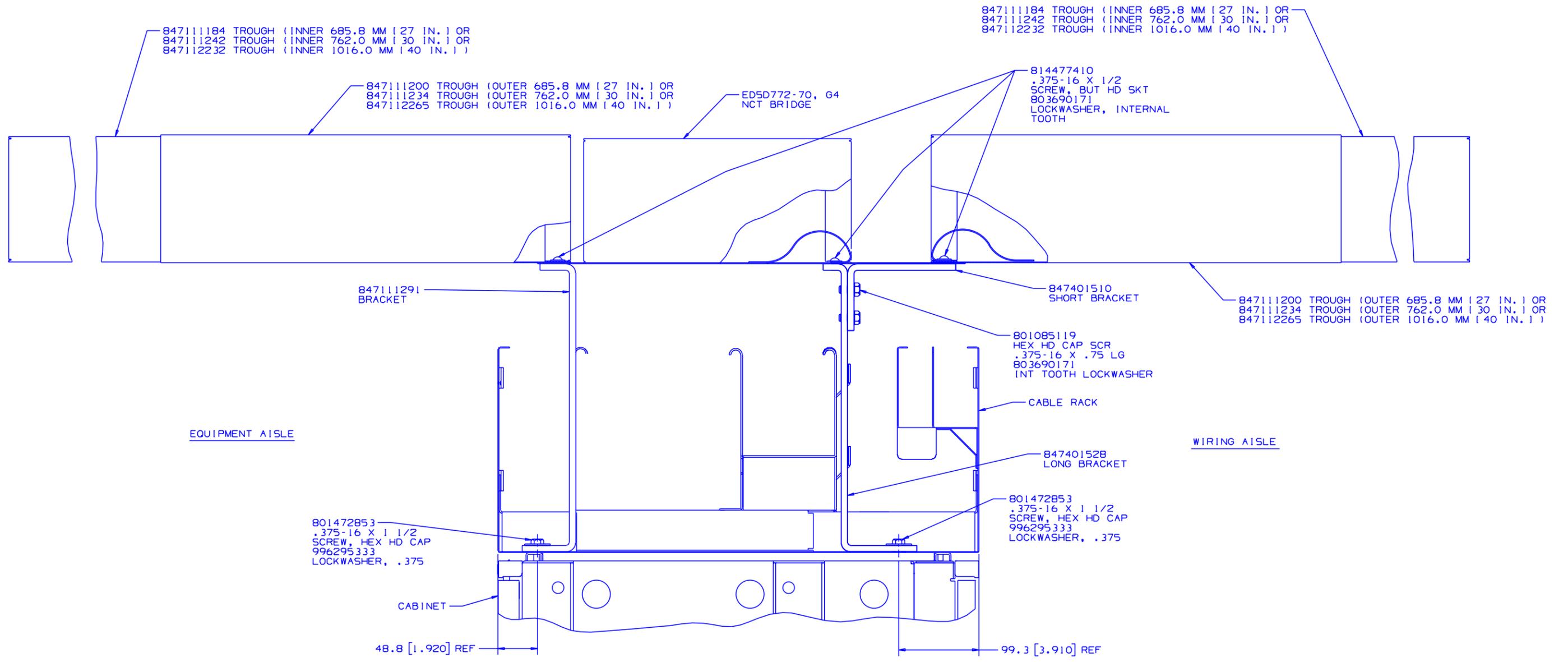
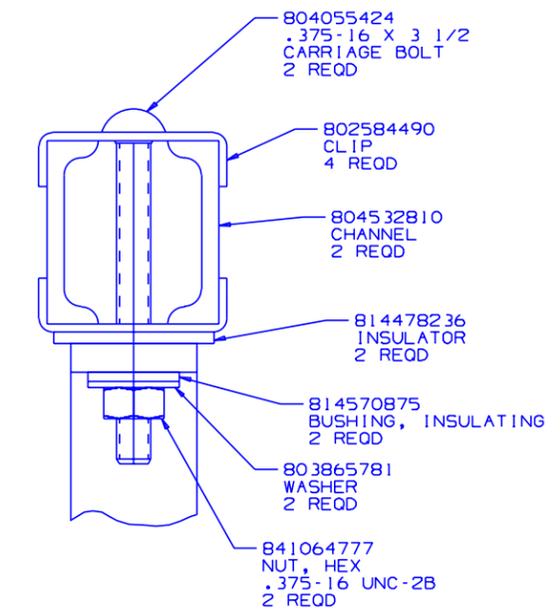
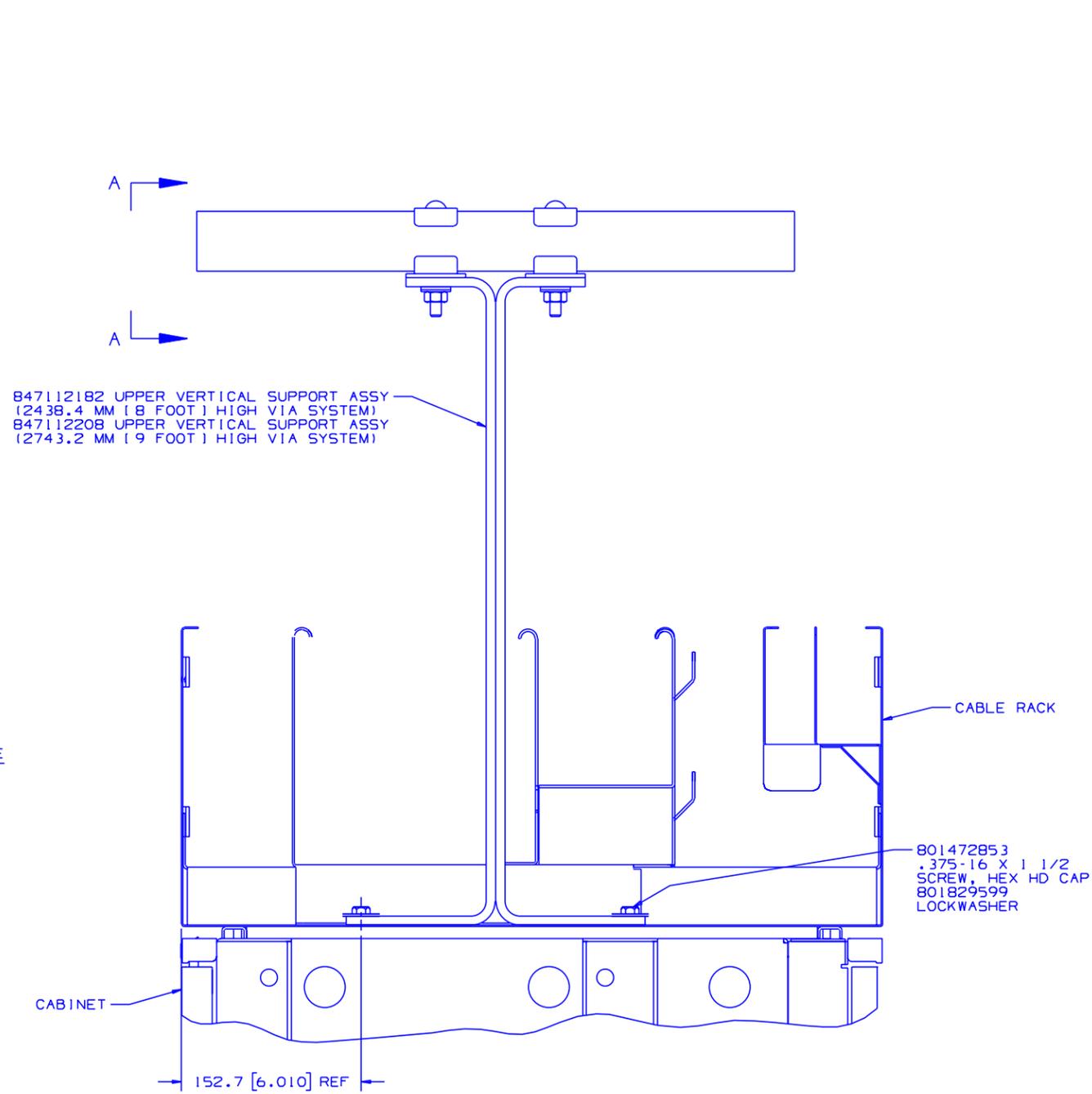


FIG. 4
ED5D772-70, G3
NCT CABLE TROUGH WITH NCT BRIDGE
SEE NOTE 55

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		DWG SIZE C2
		ISSUE 4
LUCENT TECHNOLOGIES INC	ED5D772-10 <small>PRINTED IN U.S.A.</small>	SHEET B4



VIEW A-A

FIG. 5
ED5D772-70, G7 OR G8
VIA PATHWAY SYSTEM

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		DWG SIZE C2
		ISSUE 4
LUCENT TECHNOLOGIES INC	ED5D772-10	SHEET B5

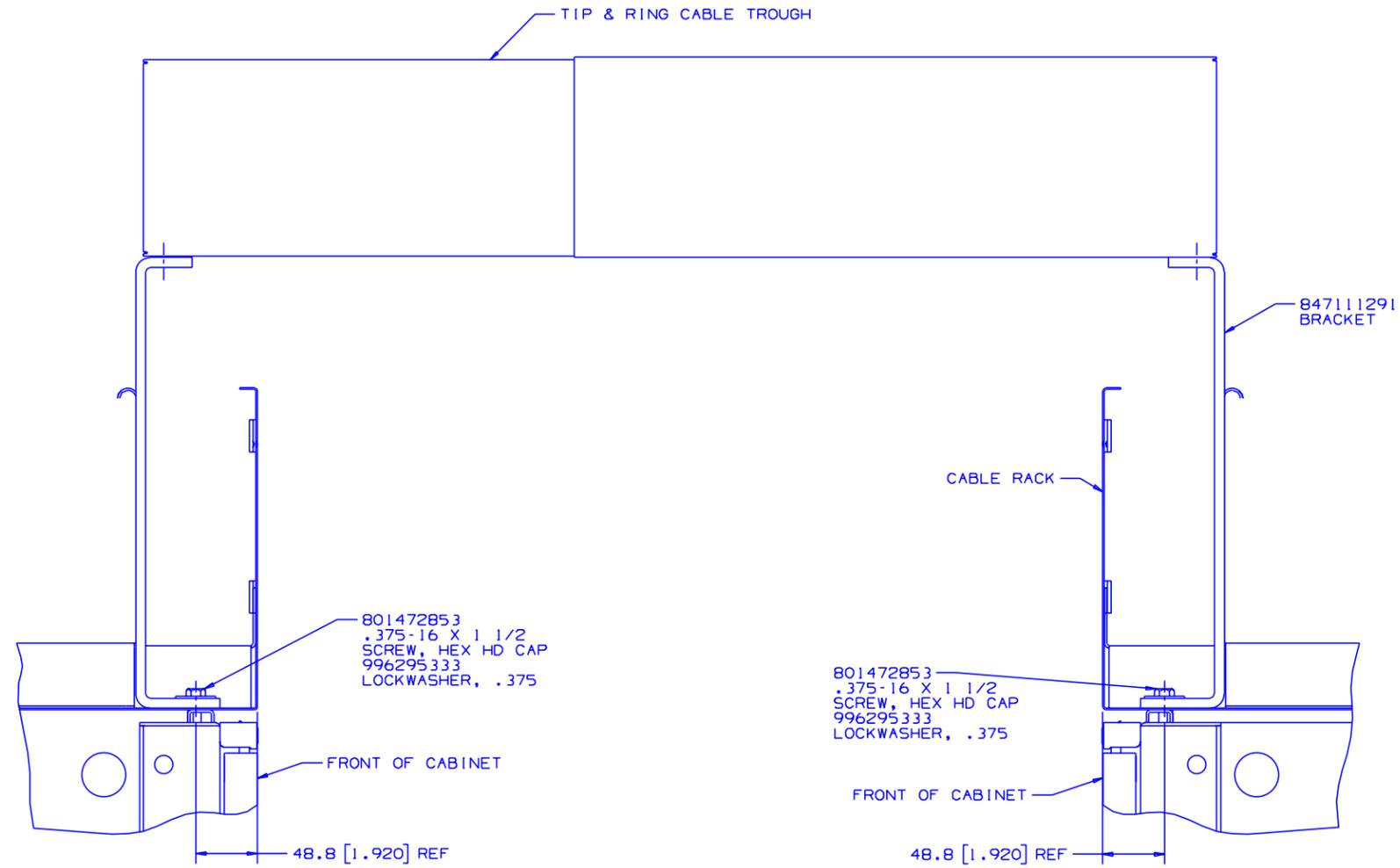


FIG. 6
 ED5D772-70, G5
 EQUIPMENT AISLE CROSS OVER TROUGH
 (SEE FIGS. 2, 3 & 4 FOR PARTS NOT INDICATED)

SEE PROPRIETARY NOTICE ON SHEET ONE

SESS-2000 SWITCHING EQUIPMENT
 METHOD OF INSTALLATION
 CROSS AISLE CABLE TROUGHS

DWG SIZE C2	ISSUE 4
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LUCENT TECHNOLOGIES INC

ED5D772-10

SHEET
B6

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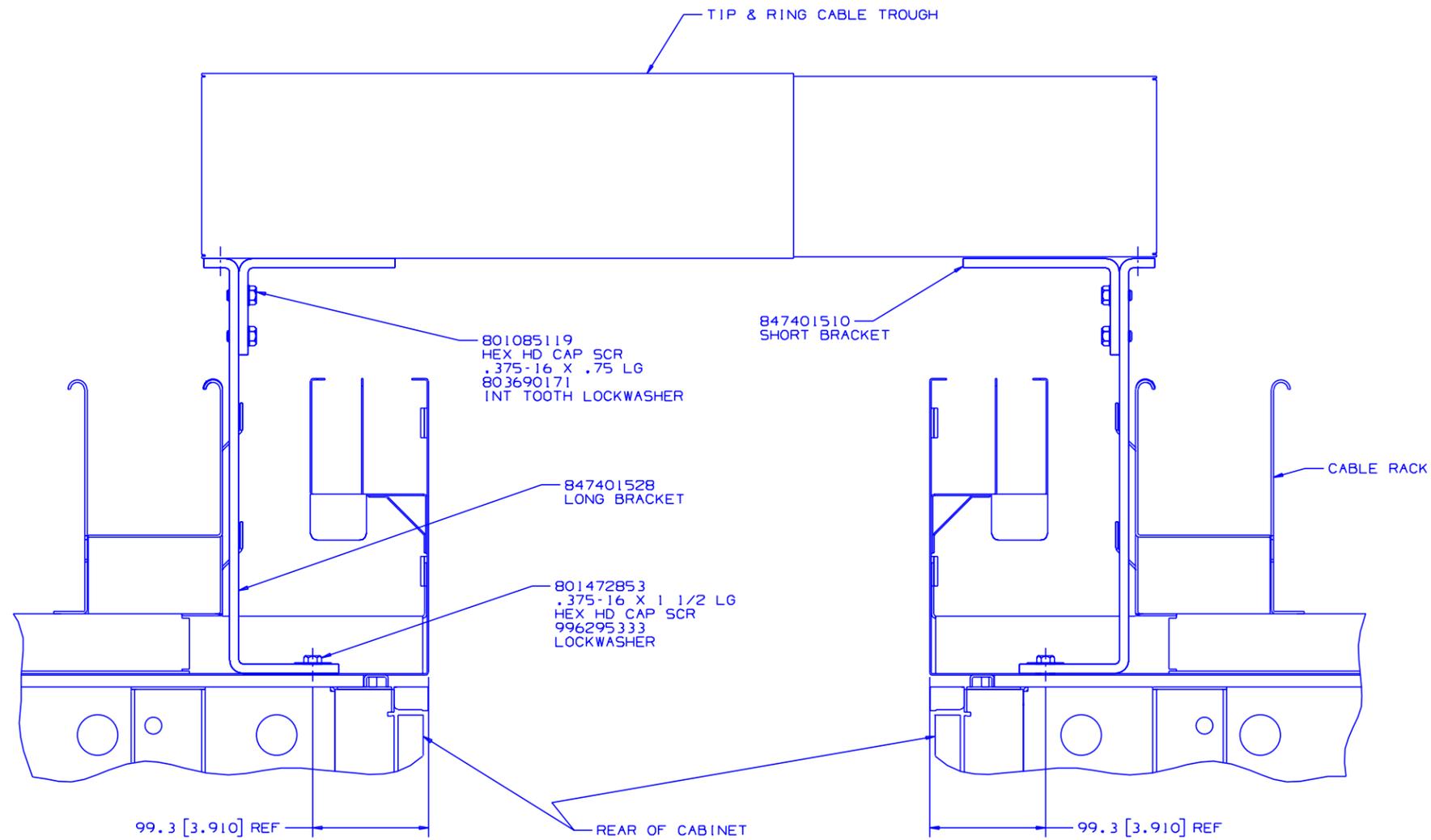


FIG. 7
 ED5D772-70, G6
 WIRING AISLE CROSS OVER TROUGH
 (SEE FIGS. 2, 3 & 4 FOR PARTS NOT INDICATED)

SEE PROPRIETARY NOTICE ON SHEET ONE

SESS-2000 SWITCHING EQUIPMENT
 METHOD OF INSTALLATION
 CROSS AISLE CABLE TROUGHS

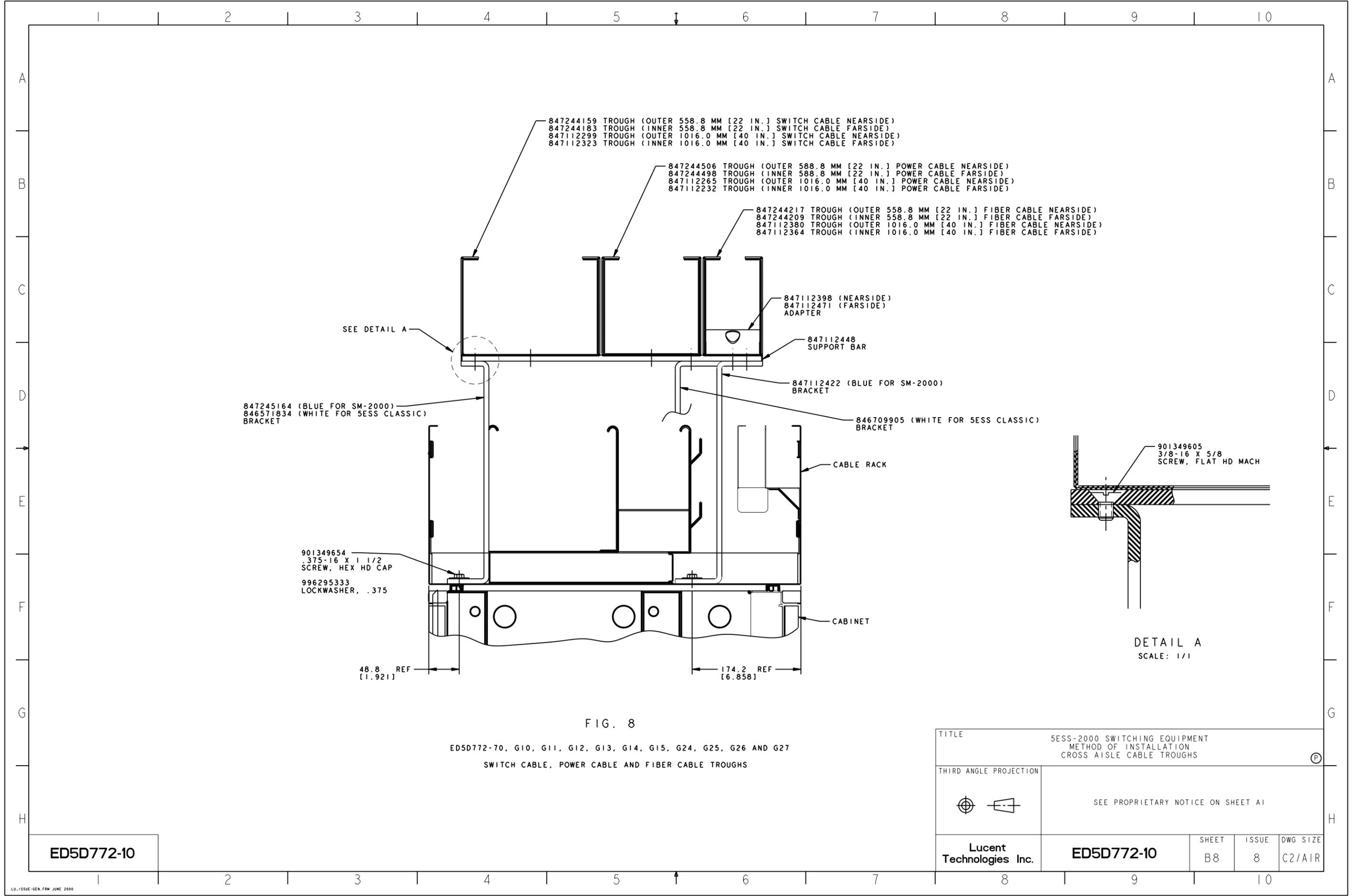
DWG SIZE C2	ISSUE 4
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ED5D772-10

SHEET B7

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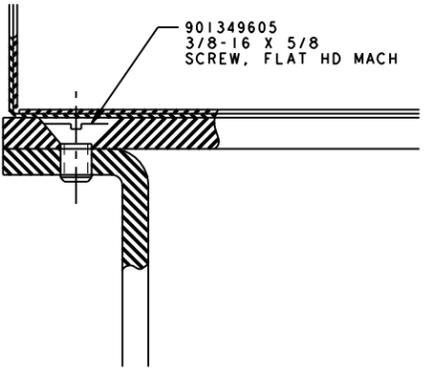


847245164 (BLUE FOR SM-2000)
846571834 (WHITE FOR 5ESS CLASSIC)
BRACKET

901349654
.375-16 X 1 1/2
SCREW, HEX HD CAP
996295333
LOCKWASHER, .375

48.8 REF
[1.921]

174.2 REF
[6.858]



DETAIL A
SCALE: 1/1

FIG. 8

ED5D772-70, G10, G11, G12, G13, G14, G15, G24, G25, G26 AND G27
SWITCH CABLE, POWER CABLE AND FIBER CABLE TROUGHS

TITLE		5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		
THIRD ANGLE PROJECTION		SEE PROPRIETARY NOTICE ON SHEET A1		
Lucent Technologies Inc.	ED5D772-10	SHEET B8	ISSUE 8	DWG SIZE C2/AIR

ED5D772-10

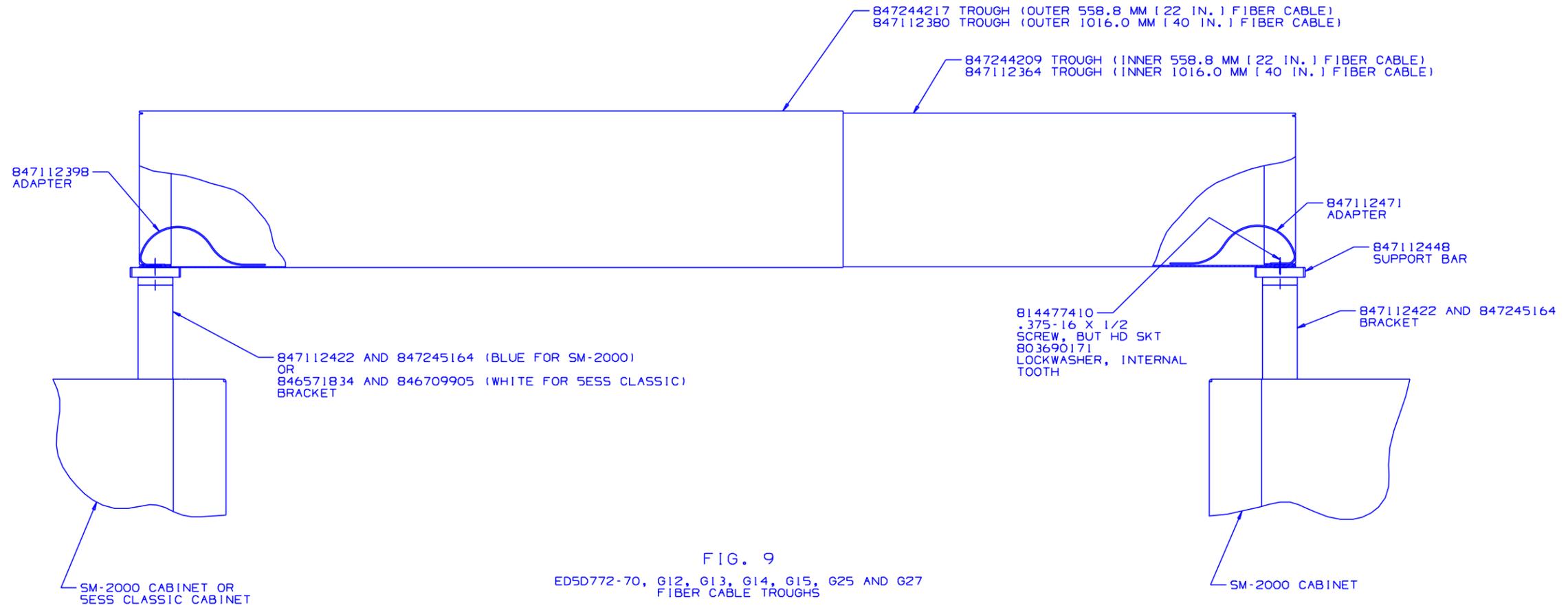
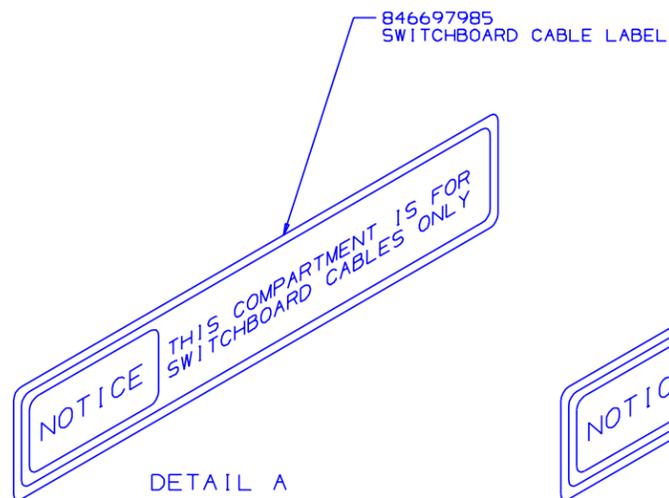
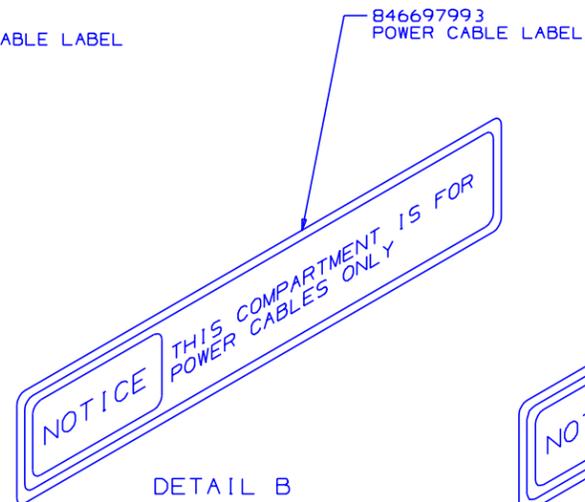


FIG. 9
ED5D772-70, G12, G13, G14, G15, G25 AND G27
FIBER CABLE TROUGHS

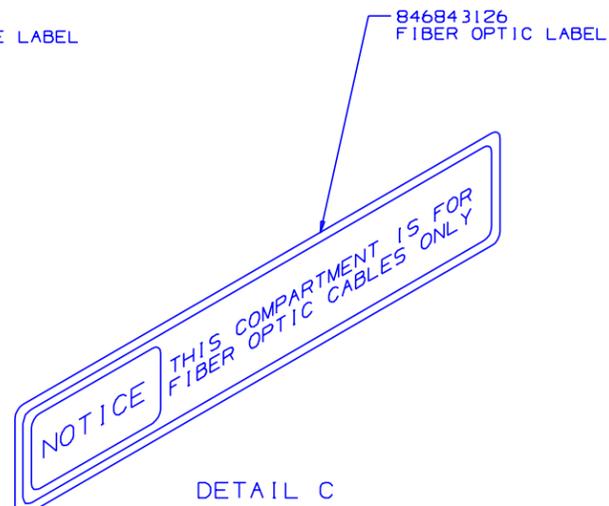
SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		DWG SIZE C2
LUCENT TECHNOLOGIES INC		ISSUE 4
ED5D772-10		SHEET B9



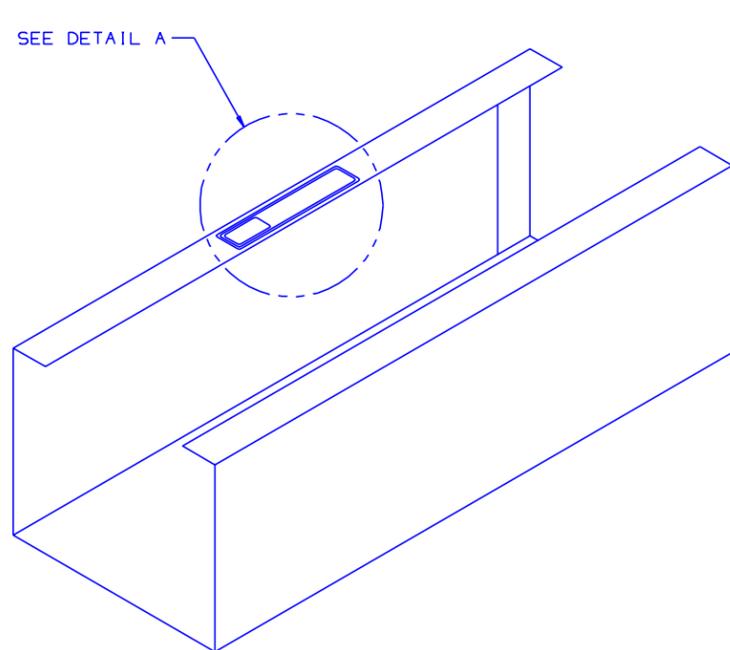
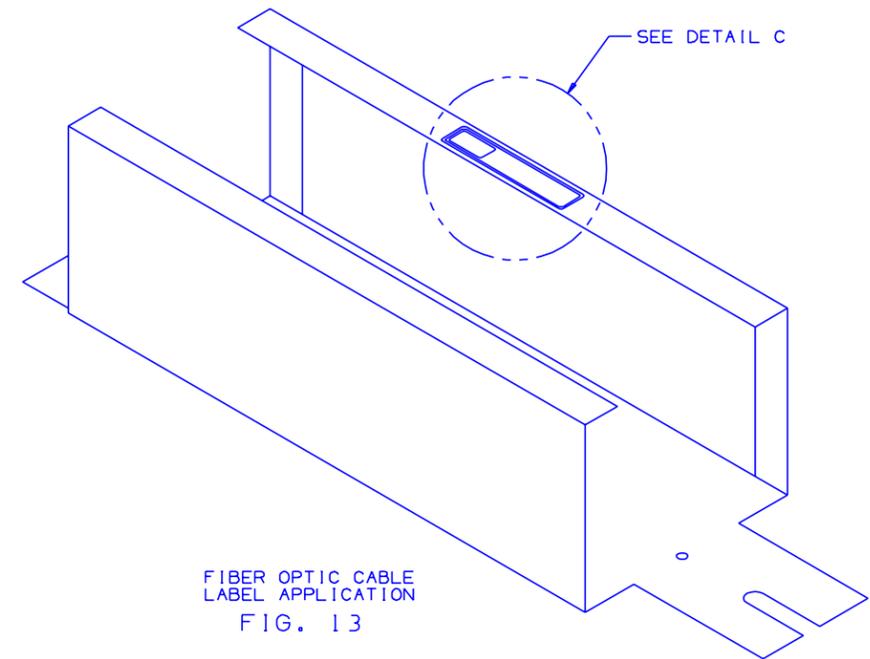
DETAIL A
SCALE 2 X 1
SEE NOTE 57



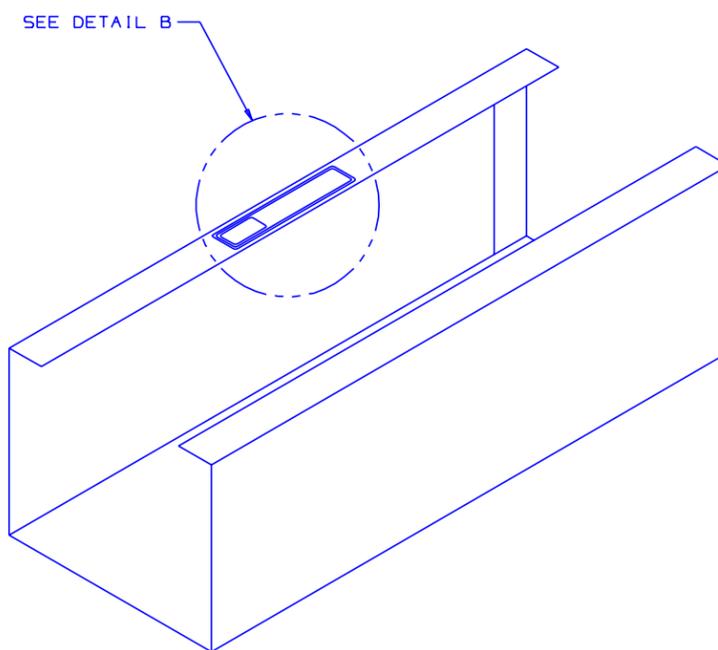
DETAIL B
SCALE 2 X 1
SEE NOTE 57



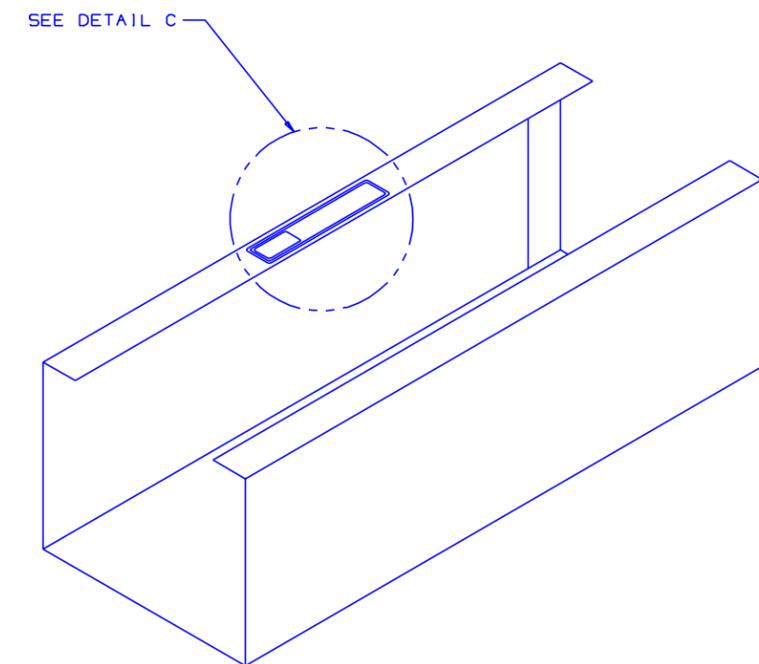
DETAIL C
SCALE 2 X 1
SEE NOTE 57



SWITCHBOARD CABLE LABEL APPLICATION
FIG. 10

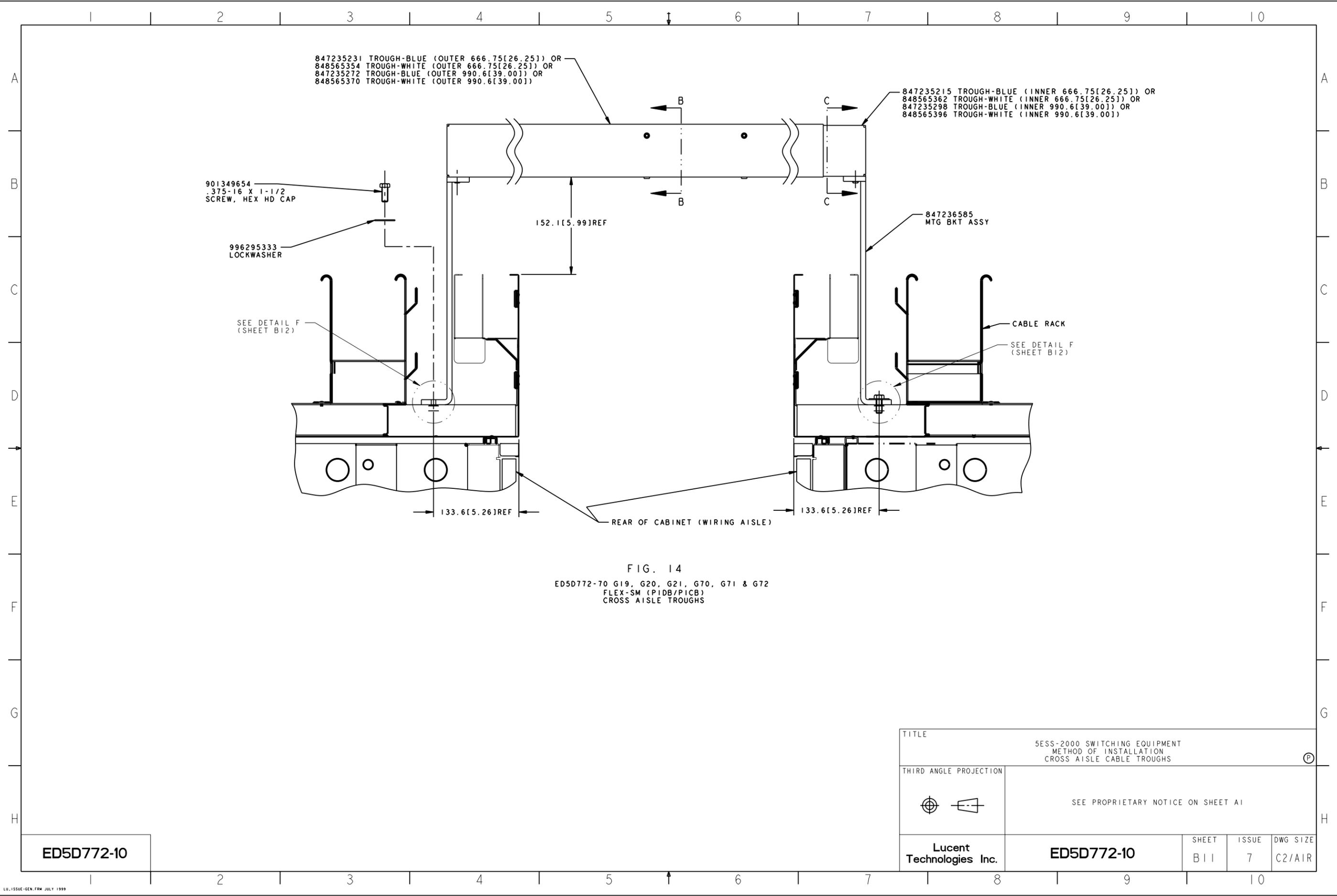


POWER CABLE LABEL APPLICATION
FIG. 11



FIBER OPTIC CABLE LABEL APPLICATION
FIG. 12

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS	DWG SIZE	ISSUE
	C2	4
LUCENT TECHNOLOGIES INC	ED5D772-10	SHEET B10



847235231 TROUGH-BLUE (OUTER 666.75[26.25]) OR
 848565354 TROUGH-WHITE (OUTER 666.75[26.25]) OR
 847235272 TROUGH-BLUE (OUTER 990.6[39.00]) OR
 848565370 TROUGH-WHITE (OUTER 990.6[39.00])

847235215 TROUGH-BLUE (INNER 666.75[26.25]) OR
 848565362 TROUGH-WHITE (INNER 666.75[26.25]) OR
 847235298 TROUGH-BLUE (INNER 990.6[39.00]) OR
 848565396 TROUGH-WHITE (INNER 990.6[39.00])

901349654
 .375-16 X 1-1/2
 SCREW, HEX HD CAP

996295333
 LOCKWASHER

SEE DETAIL F
 (SHEET B12)

152.115.991REF

847236585
 MTG BKT ASSY

CABLE RACK

SEE DETAIL F
 (SHEET B12)

133.615.261REF

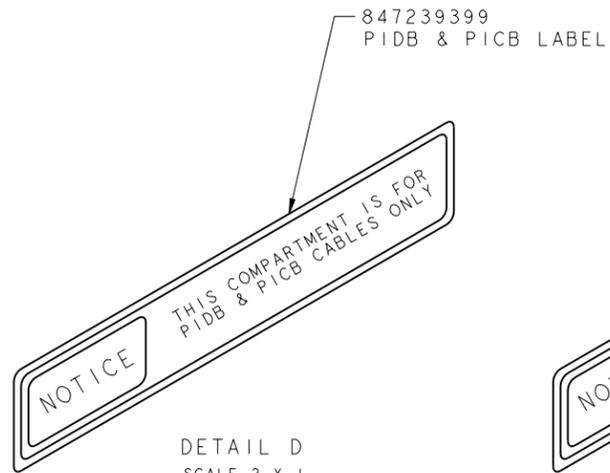
REAR OF CABINET (WIRING AISLE)

133.615.261REF

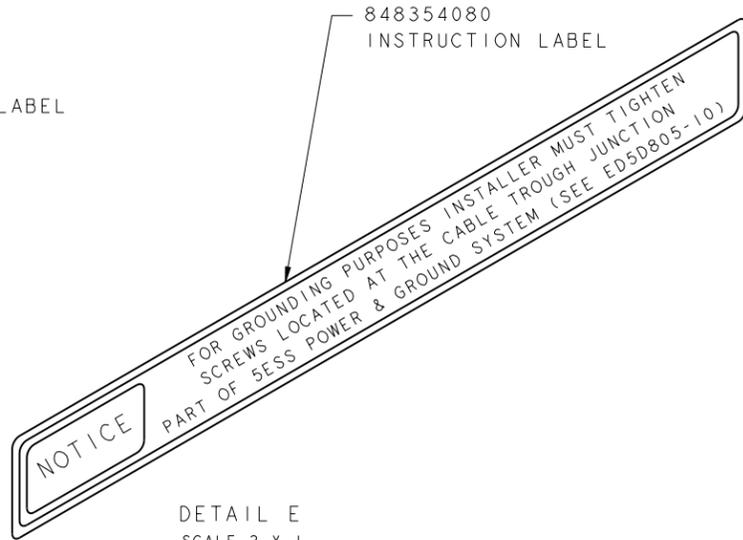
FIG. 14
 ED5D772-70 G19, G20, G21, G70, G71 & G72
 FLEX-SM (PIDB/PICB)
 CROSS AISLE TROUGHS

TITLE		SESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS			(P)
THIRD ANGLE PROJECTION		SEE PROPRIETARY NOTICE ON SHEET A1			
Lucent Technologies Inc.	ED5D772-10	SHEET B11	ISSUE 7	DWG SIZE C2/AIR	

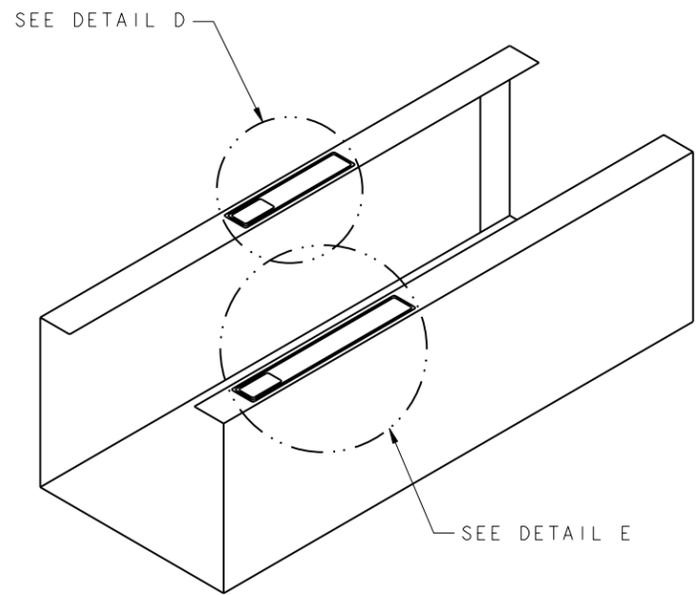
ED5D772-10



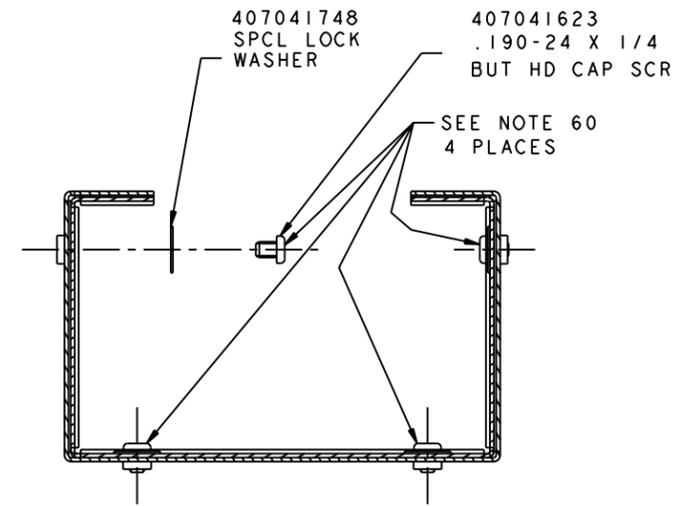
DETAIL D
SCALE 2 X 1
SEE NOTE 57



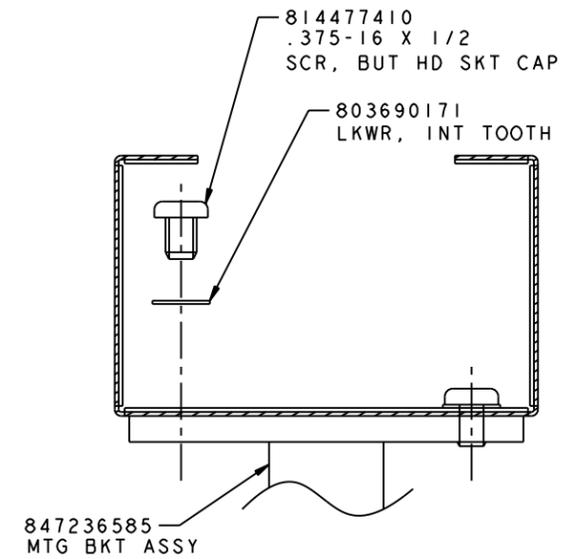
DETAIL E
SCALE 2 X 1
SEE NOTE 60



PIDB & PICB CABLE
AND INSTRUCTION
LABEL APPLICATION
FIG. 16



SECT. B-B



SECT C-C

ED5D772-10

TITLE		5ESS-2000 SWITCHING EQUIPMENT METHOE OF INSTALLATION CROSS AISLE CABLE TROUGHS			(P)						
THIRD ANGLE PROJECTION		SEE PROPRIETARY NOTICE ON SHEET A1									
		Lucent Technologies Inc.		ED5D772-10	<table border="1"> <tr> <td>SHEET</td> <td>ISSUE</td> <td>DWG SIZE</td> </tr> <tr> <td>B 13</td> <td>6</td> <td>C2/AIR</td> </tr> </table>	SHEET	ISSUE	DWG SIZE	B 13	6	C2/AIR
SHEET	ISSUE	DWG SIZE									
B 13	6	C2/AIR									

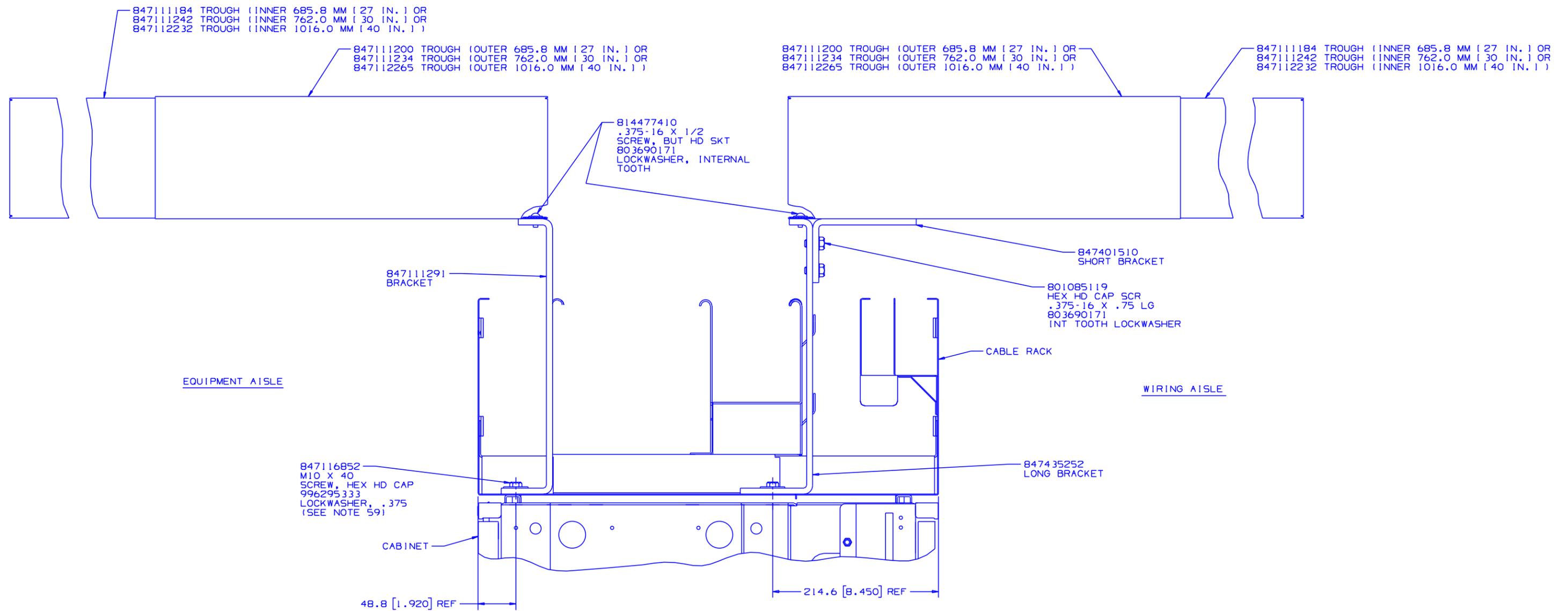


FIG. 17
 CROSS AISLE TROUGHS AND
 MOUNTING LOCATION OF ASSOCIATED
 BRACKETS TO A PHASE II SM-2000
 FRAME/CABINET (SEE NOTE 59)

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		DWG SIZE C2
		ISSUE 4
LUCENT TECHNOLOGIES INC	ED5D772-10 <small>PRINTED IN U.S.A.</small>	SHEET B14

1.4
Create
COMMON-HARDWARE

WIRING AISLE

EQUIPMENT AISLE

WIRING AISLE

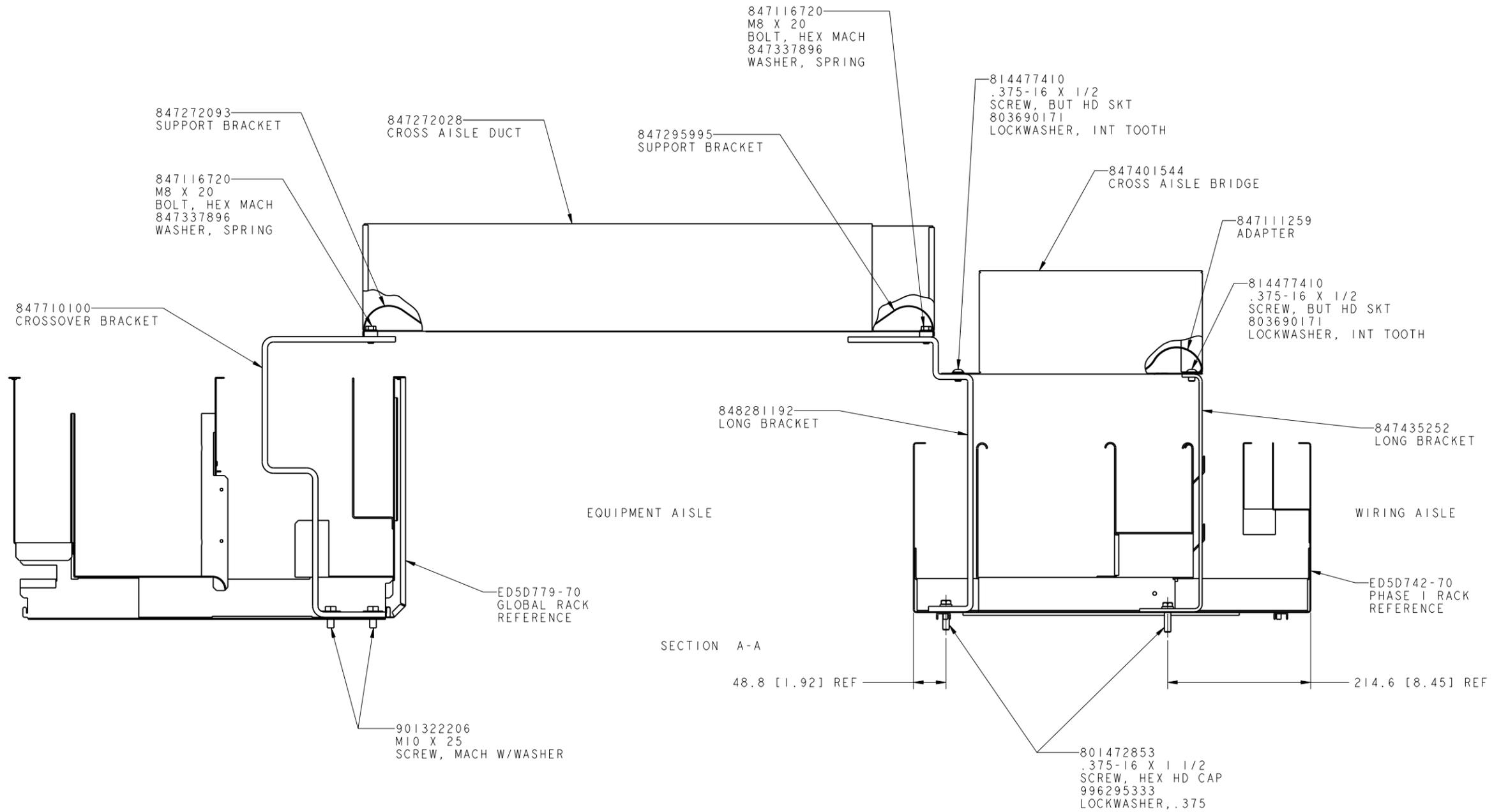


FIG. 18
NCT BRIDGE AND GLOBAL RACK TROUGHS
(EQUIPMENT TO EQUIPMENT)

SEE PROPRIETARY NOTICE ON SHEET ONE

5ESS-2000 SWITCHING EQUIPMENT
METHOD OF INSTALLATION
CROSS AISLE CABLE TROUGHS

THIRD ANGLE PROJ



DWG SIZE
C2

ISSUE
4

LUCENT
TECHNOLOGIES

ED5D772-10

SHEET NO.
B15

MODELED BY: K. F. L. DATE: 5-Nov-98

DRAWING NAME=ED5D772-10_B15
MODEL/ASM NAME=ED5D772-10_FIG_15

PROJ-EGEDFORM.FRM-FEB-96

ED5D772-10

D

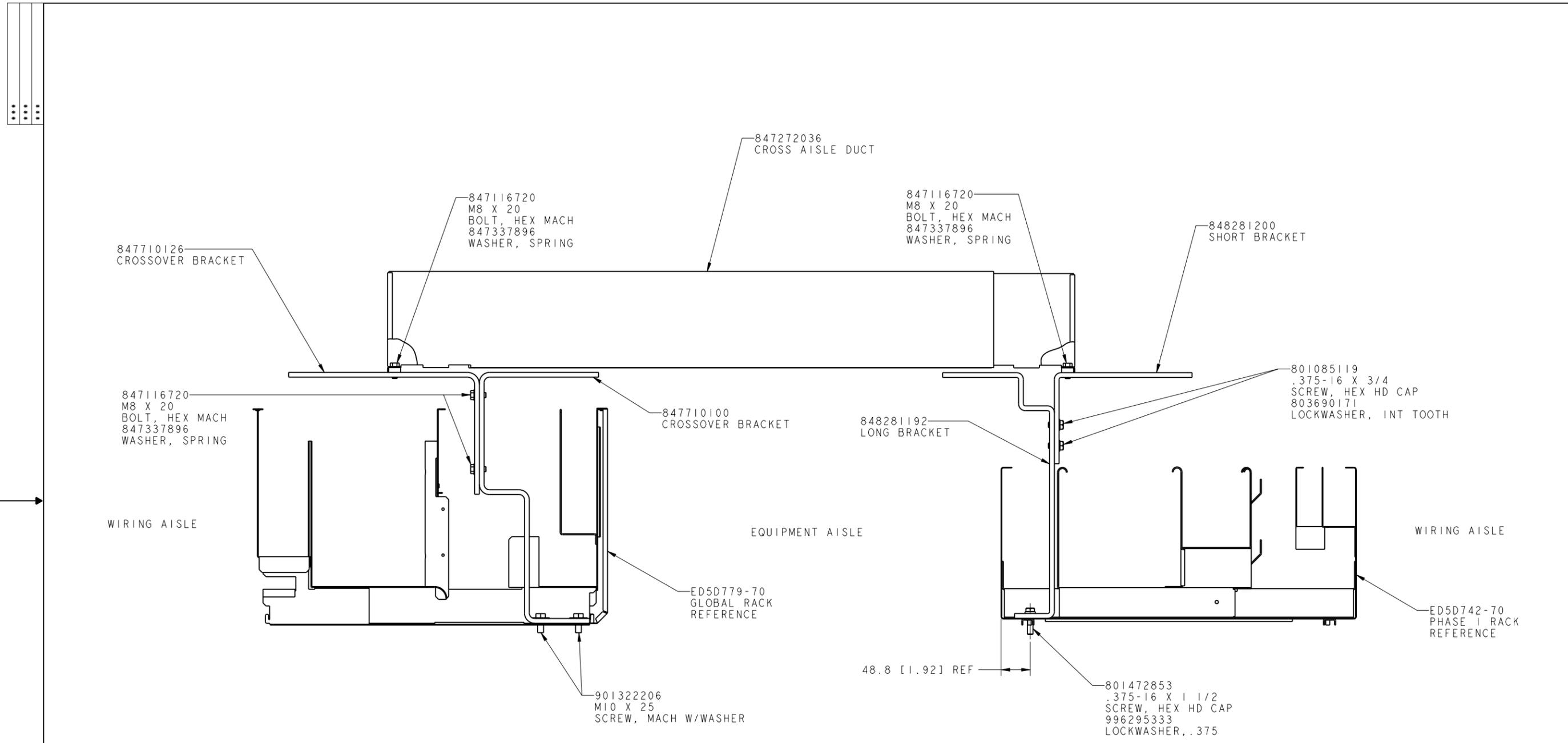


FIG. 19
GLOBAL RACK TROUGHS
(EQUIPMENT TO EQUIPMENT)

PROJ-EGEDFORM.FRM-FEB-96

ED5D772-10

SEE PROPRIETARY NOTICE ON SHEET ONE			
5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		THIRD ANGLE PROJ 	
DWG SIZE C2	ISSUE 4	SHEET NO. B16	
LUCENT TECHNOLOGIES		ED5D772-10	

MODELED BY: K. F. L. DATE: 5-Nov-98

DRAWING NAME=ED5D772-10_B16
MODEL/ASM NAME=ED5D772-10_FIG_16

D

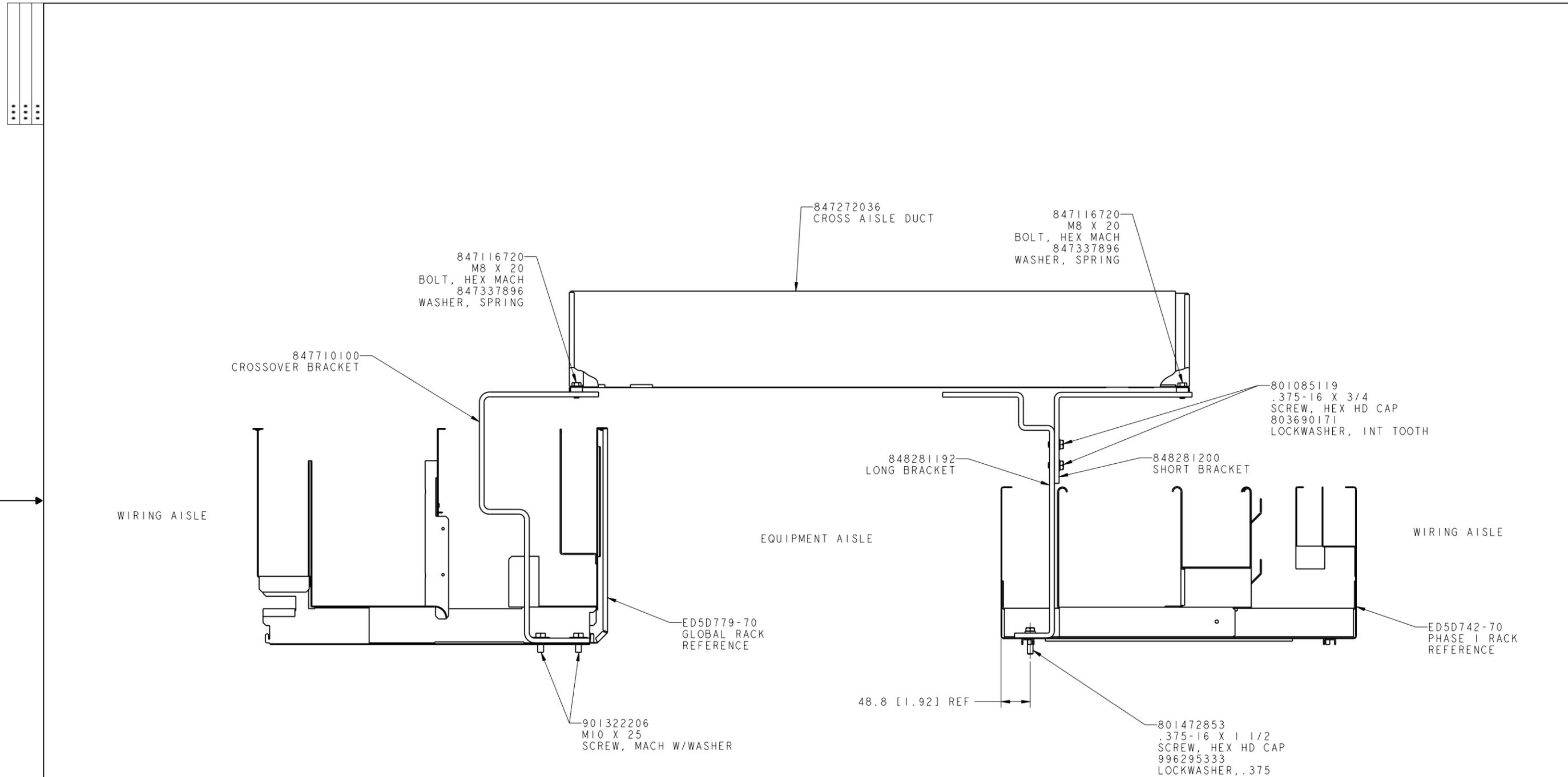
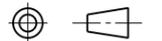


FIG. 20
GLOBAL RACK TROUGHS
(EQUIPMENT TO EQUIPMENT)

SEE PROPRIETARY NOTICE ON SHEET ONE

5ESS-2000 SWITCHING EQUIPMENT
METHOD OF INSTALLATION
CROSS AISLE CABLE TROUGHS

THIRD ANGLE PROJN



DWG SIZE
C2

ISSUE
4

LUCENT
TECHNOLOGIES

ED5D772-10

SHEET NO.
B17

MODELED BY: K. F. L. DATE: 5-Nov-98

DRAWING NAME=ED5D772-10_B17
MODEL/ASM NAME=ED5D772-10_FIG.17

PROJ-EGEDFORM.FRM-FEB-96

ED5D772-10

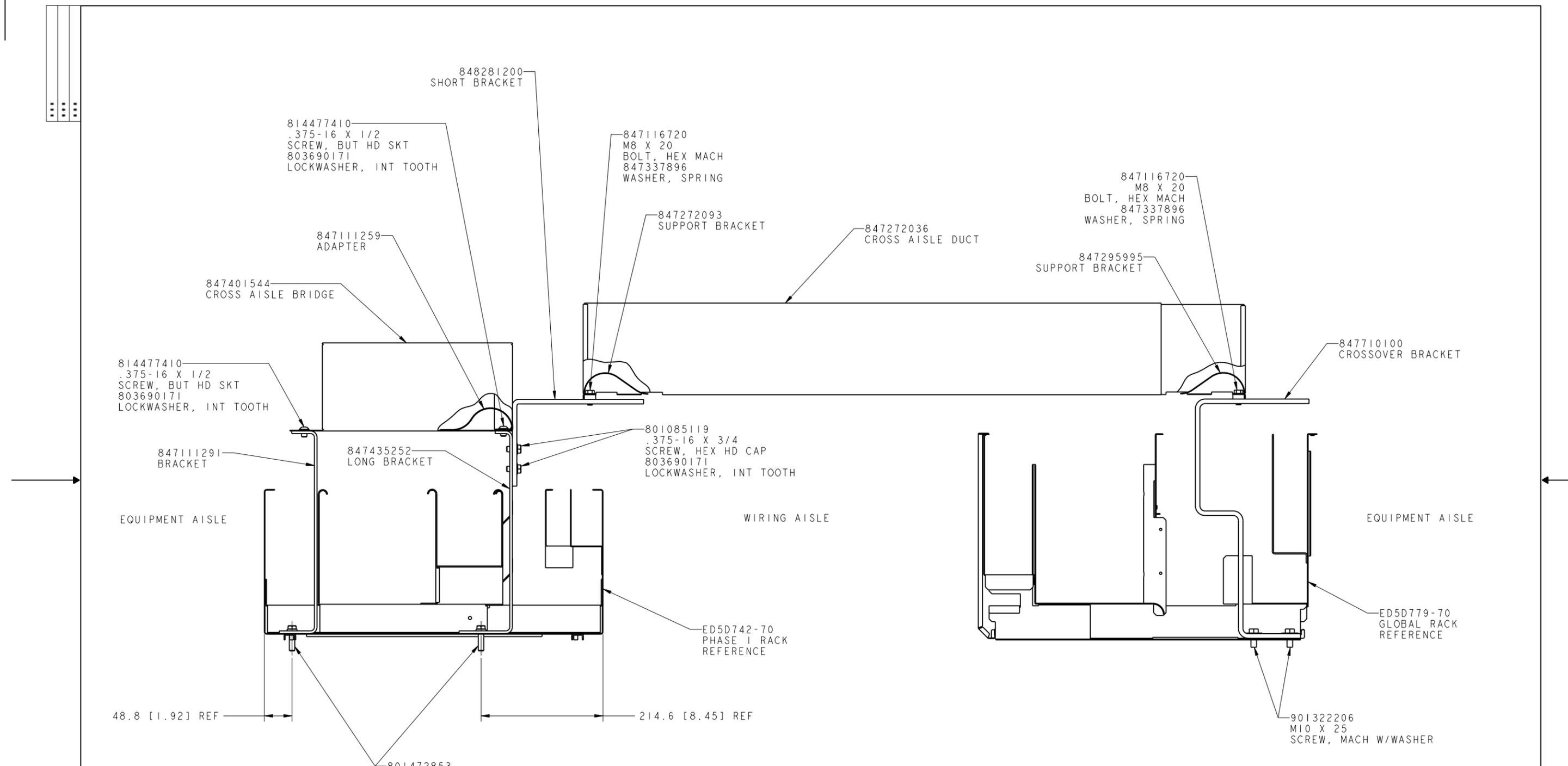


FIG. 21
NCT BRIDGE AND GLOBAL RACK TROUGHS
(WIRING TO WIRING)

PROJ-EGEDFORM.FRM-FEB-96

ED5D772-10

SEE PROPRIETARY NOTICE ON SHEET ONE			
5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 4	
LUCENT TECHNOLOGIES		ED5D772-10	
MODELED BY: K. F. L.		DATE: 6-Nov-98	
		SHEET NO. B18	

D

EQUIPMENT AISLE

WIRING AISLE

EQUIPMENT AISLE

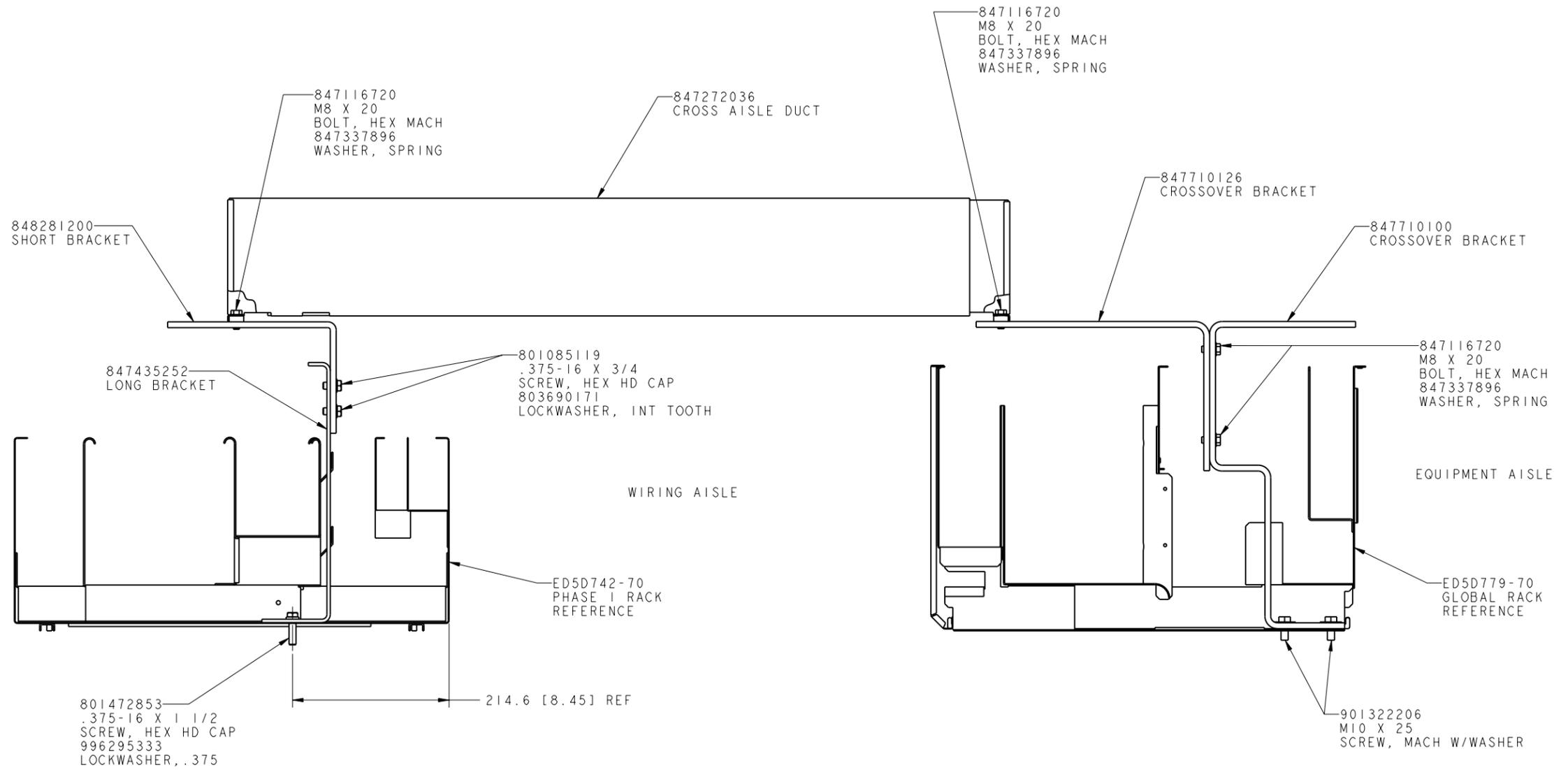


FIG. 22
GLOBAL RACK TROUGHS
(WIRING TO WIRING)

PROJ-EGEDFORM.FRM-FEB-96

ED5D772-10

SEE PROPRIETARY NOTICE ON SHEET ONE			
5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 4	
LUCENT TECHNOLOGIES		ED5D772-10 SHEET NO. B19	

MODELED BY: K. F. L. DATE: 6-Nov-98

DRAWING NAME=ED5D772-10_B19
MODEL/ASM NAME=ED5D772-10_FIG_19

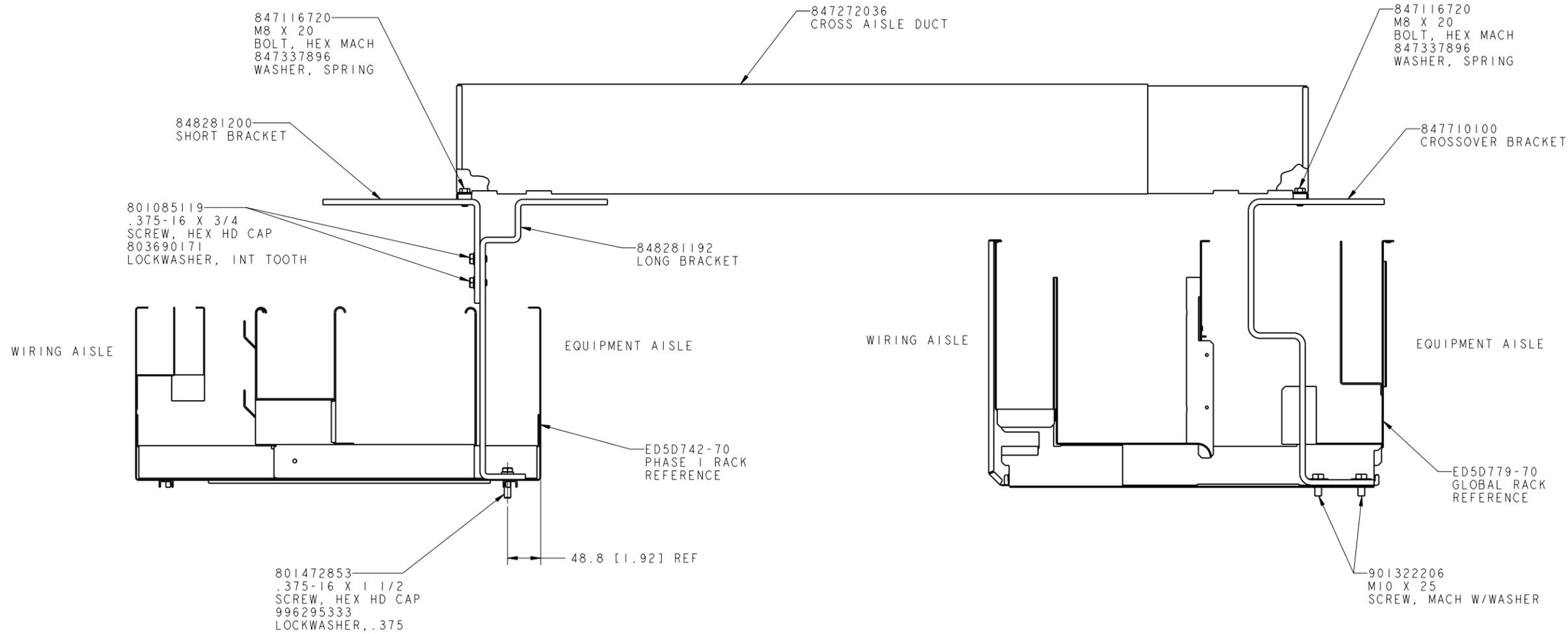


FIG. 23
GLOBAL RACK TROUGHS
(EQUIPMENT PHASE 1 TO WIRING GLOBAL)

PROJ-EGEDFORM.FRM-FEB-96

ED5D772-10

SEE PROPRIETARY NOTICE ON SHEET ONE		
5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		THIRD ANGLE PROJ
(P)	DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES	ED5D772-10	SHEET NO. B20

MODELED BY: K. F. L. DATE: 6-Nov-98

DRAWING NAME=ED5D772-10_B20
MODEL/ASM NAME=ED5D772-10_FIG.20

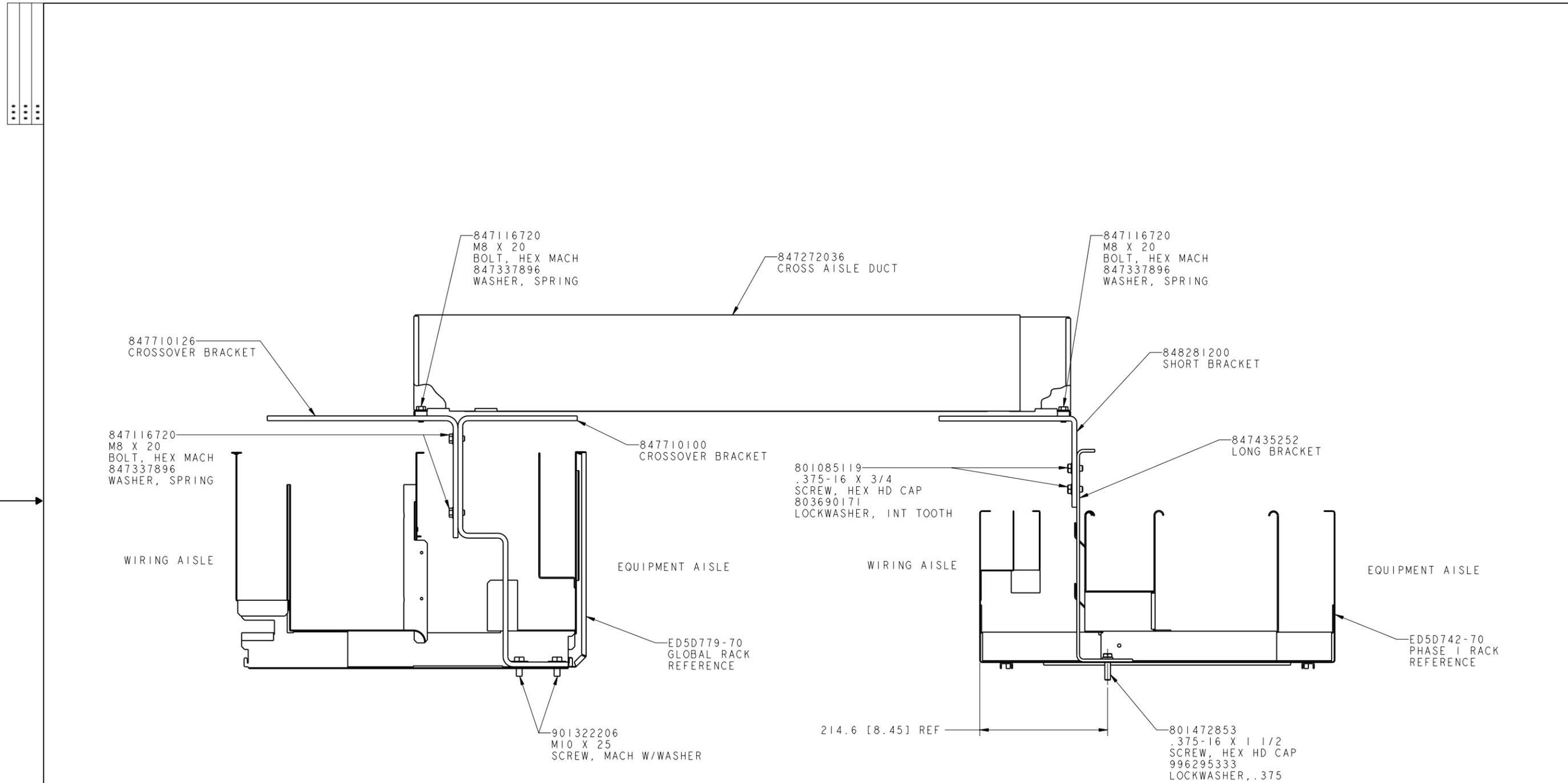
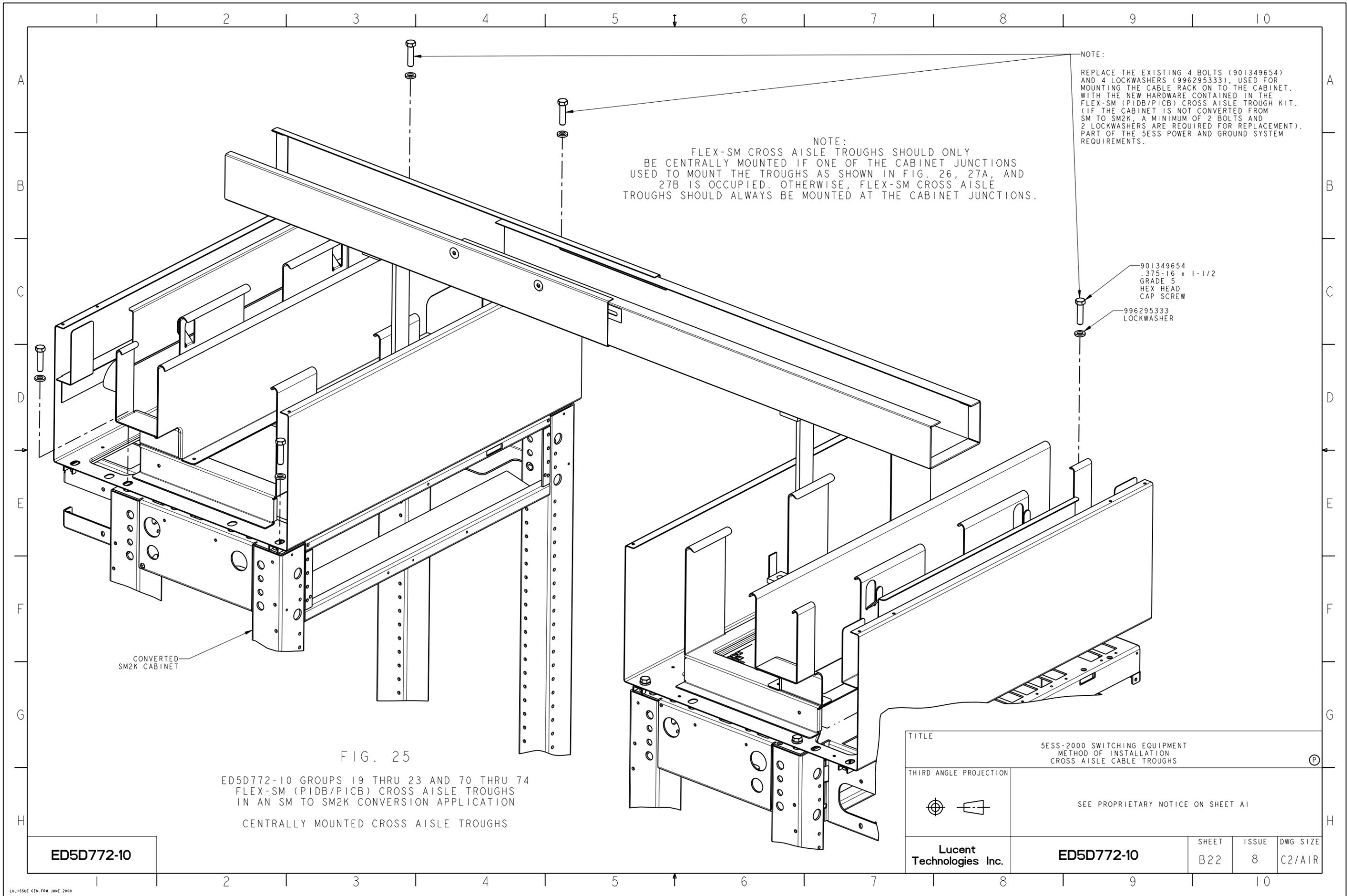


FIG. 24
GLOBAL RACK TROUGHS
(EQUIPMENT GLOBAL TO WIRING PHASE 1)

PROJ-EGEDFORM.FRM-FEB-96

ED5D772-10

SEE PROPRIETARY NOTICE ON SHEET ONE			
5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 4	
LUCENT TECHNOLOGIES		ED5D772-10	
MODELED BY: K. F. L.		DATE: 9-Nov-98	
		SHEET NO. B21	



NOTE:
 FLEX-SM CROSS AISLE TROUGHS SHOULD ONLY BE CENTRALLY MOUNTED IF ONE OF THE CABINET JUNCTIONS USED TO MOUNT THE TROUGHS AS SHOWN IN FIG. 26, 27A, AND 27B IS OCCUPIED. OTHERWISE, FLEX-SM CROSS AISLE TROUGHS SHOULD ALWAYS BE MOUNTED AT THE CABINET JUNCTIONS.

NOTE:
 REPLACE THE EXISTING 4 BOLTS (901349654) AND 4 LOCKWASHERS (996295333), USED FOR MOUNTING THE CABLE RACK ON TO THE CABINET, WITH THE NEW HARDWARE CONTAINED IN THE FLEX-SM (PIDB/PICB) CROSS AISLE TROUGH KIT. (IF THE CABINET IS NOT CONVERTED FROM SM TO SM2K, A MINIMUM OF 2 BOLTS AND 2 LOCKWASHERS ARE REQUIRED FOR REPLACEMENT). PART OF THE 5ESS POWER AND GROUND SYSTEM REQUIREMENTS.

901349654
 .375-16 x 1-1/2
 GRADE 5
 HEX HEAD
 CAP SCREW
 996295333
 LOCKWASHER

CONVERTED
 SM2K CABINET

FIG. 25

ED5D772-10 GROUPS 19 THRU 23 AND 70 THRU 74
 FLEX-SM (PIDB/PICB) CROSS AISLE TROUGHS
 IN AN SM TO SM2K CONVERSION APPLICATION
 CENTRALLY MOUNTED CROSS AISLE TROUGHS

TITLE		5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		
THIRD ANGLE PROJECTION		SEE PROPRIETARY NOTICE ON SHEET A1		
Lucent Technologies Inc.	ED5D772-10	SHEET B22	ISSUE 8	DWG SIZE C2/AIR

ED5D772-10

GROUPS 22, 23 (BLUE)
GROUPS 73, 74 (WHITE)

GROUPS 19, 20, 21 (BLUE)
GROUPS 70, 71, 72 (WHITE)

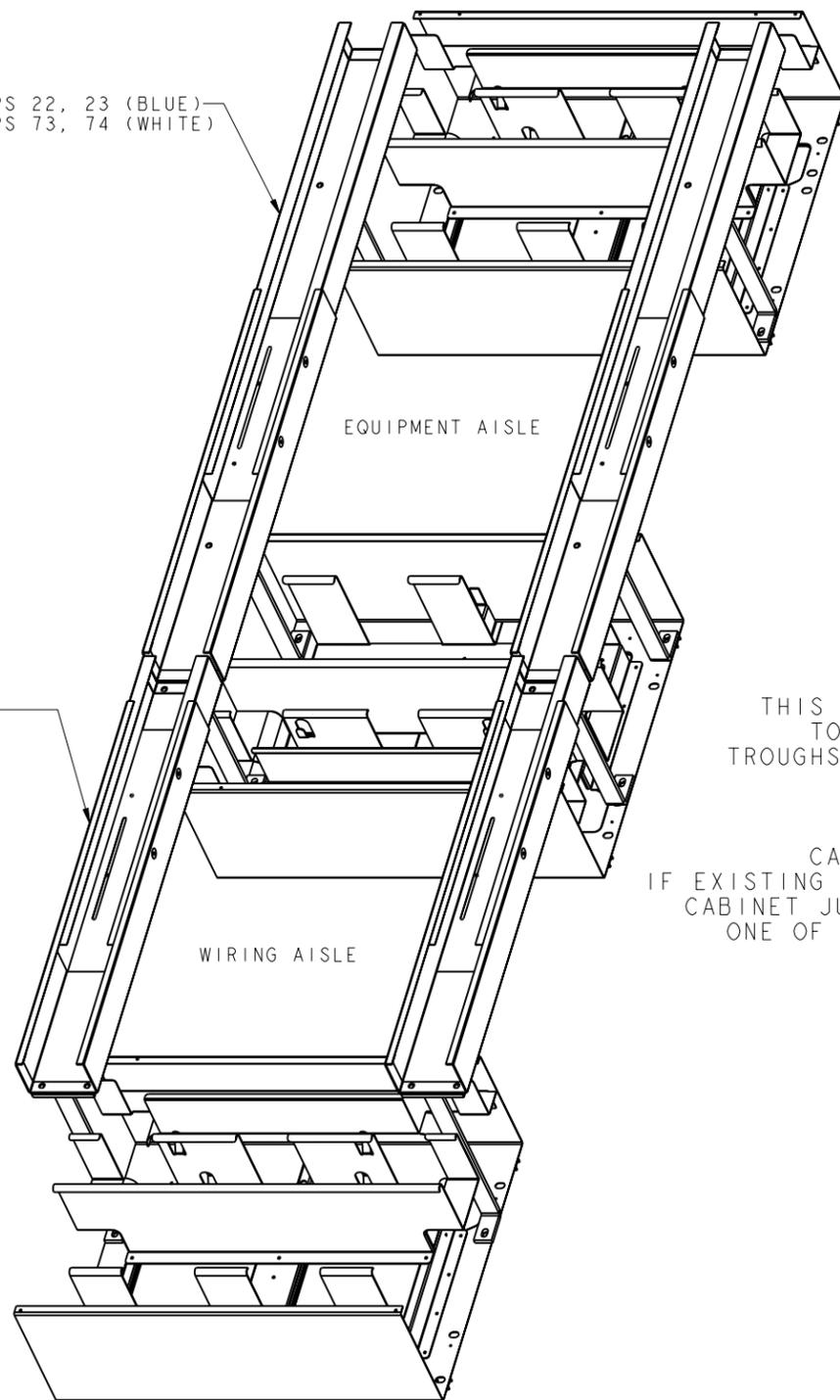


FIG. 26

FLEX-SM CROSS AISLE TROUGHS MOUNTED AT CABINET JUNCTIONS
G-19 THROUGH G-23 (BLUE) AND G-70 THROUGH G-74 (WHITE)
SPANNING A WIRING AISLE AND AN EQUIPMENT AISLE

NOTE:
THIS IS THE PREFERRED CONFIGURATION FOR MOUNTING FLEX-SM CROSS AISLE TROUGHS.
TO OBTAIN ENOUGH EQUIPMENT FOR THIS CONFIGURATION, FLEX-SM CROSS AISLE
TROUGHS (GROUPS 19 THRU 23 AND 70 THRU 74) SHOULD BE ORDERED IN MULTIPLES OF TWO.

CAUTION:
CABLE TROUGHS CAN NOT BE MOUNTED IN THE CONFIGURATION SHOWN TO THE LEFT
IF EXISTING CROSS AISLE TROUGHS OR SAME LINE-UP CABLE TROUGHS OCCUPY EITHER OF THE TARGETED
CABINET JUNCTIONS. BOTH JUNCTIONS MUST BE FREE IN ORDER TO USE THIS CONFIGURATION. IF
ONE OF THESE JUNCTIONS IS OCCUPIED, USE THE CORRESPONDING SINGLE TROUGH GROUP AND
REFER TO FIG. 25 FOR THE APPROPRIATE CONFIGURATION.

TITLE		5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS			(P)
THIRD ANGLE PROJECTION		SEE PROPRIETARY NOTICE ON SHEET A1			
		SHEET	ISSUE	DWG SIZE	
Lucent Technologies Inc.		ED5D772-10	B23	8	C2/AIR

PHASE I	ASSEM	1.1	Create	
ED5D772-10_B23	DRAWING	1.3	Create	sdecost
FILE NAME	FILE TYPE	PDMREV	PDMRL	CONTACT

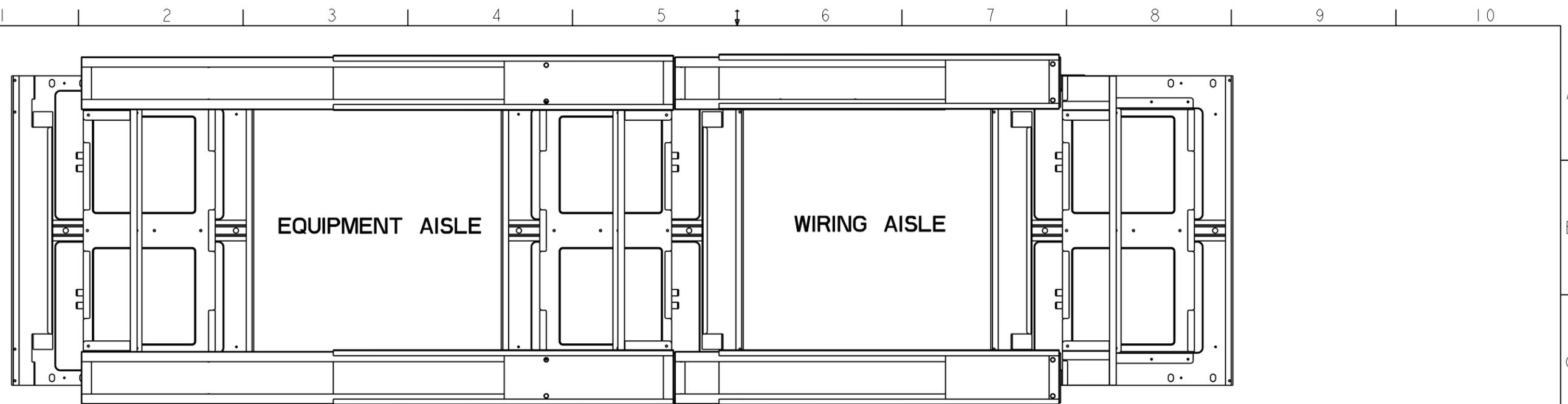


FIG. 27A
 TOP VIEW OF FLEX-SM CROSS AISLE TROUGHS MOUNTED AT CABINET JUNCTIONS
 G-19 THROUGH G-23 (BLUE) AND G-70 THROUGH G-74 (WHITE)
 SPANNING A WIRING AISLE AND AN EQUIPMENT AISLE

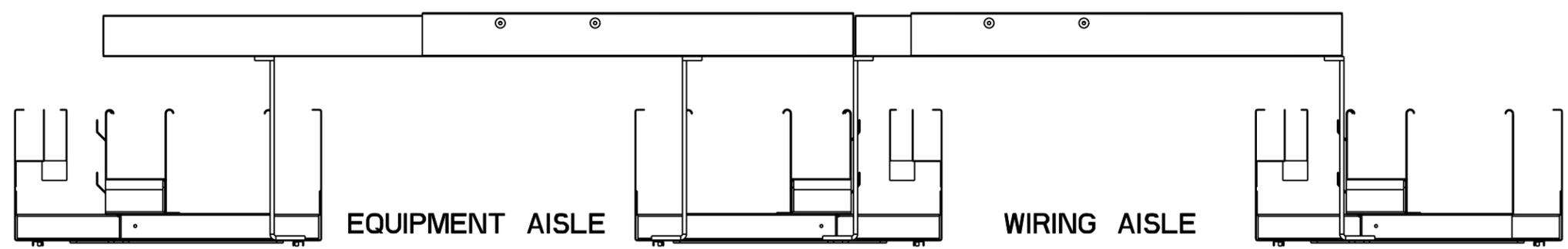


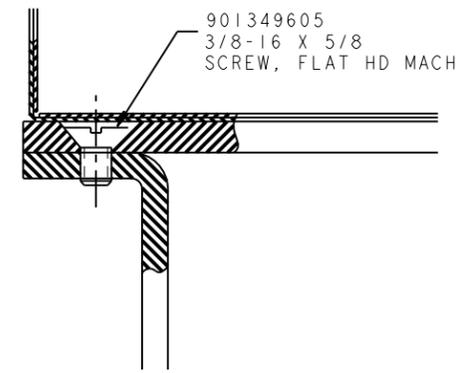
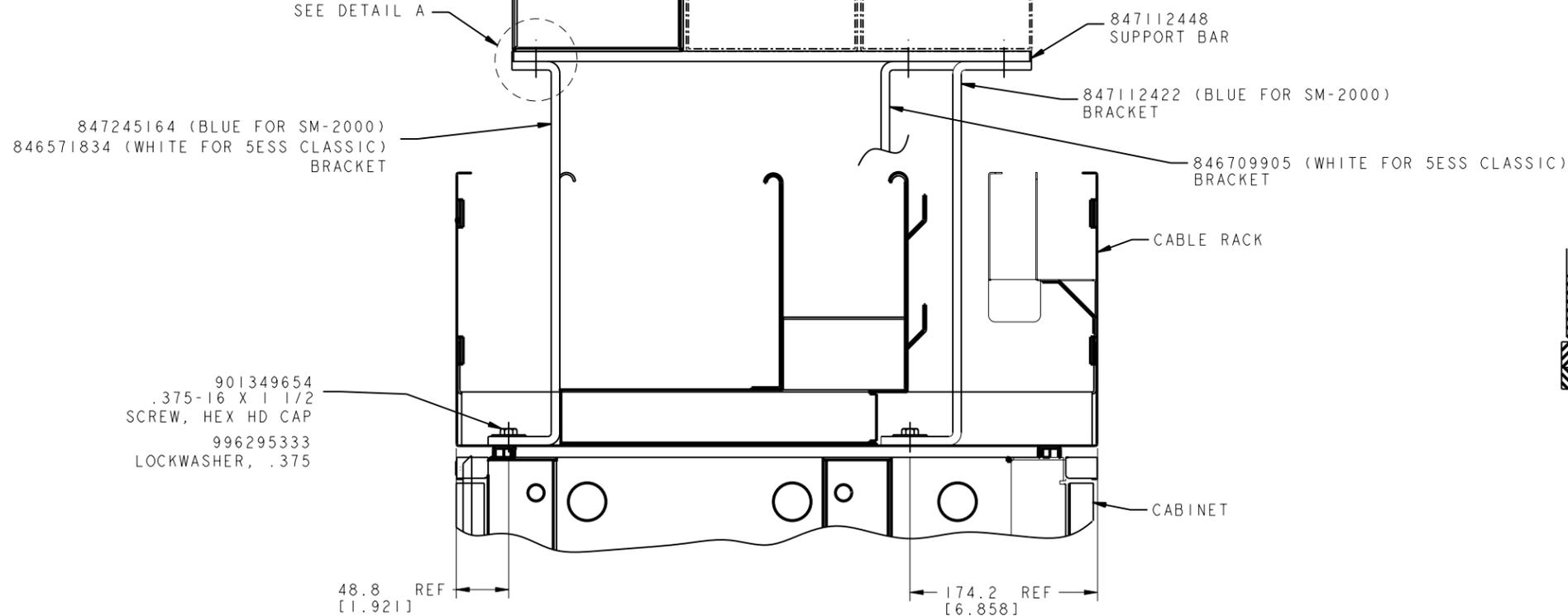
FIG. 27B
 SIDE VIEW OF FLEX-SM CROSS AISLE TROUGHS MOUNTED AT CABINET JUNCTIONS
 G-19 THROUGH G-23 (BLUE) AND G-70 THROUGH G-74 (WHITE)
 SPANNING A WIRING AISLE AND AN EQUIPMENT AISLE

PHASE I	ASSEM	1.1	Create	
ED5D772-10_B24	DRAWING	1.3	Create	sdecost
FILE NAME	FILE TYPE	PDMREV	PDMRL	CONTACT

TITLE		5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS			(P)
THIRD ANGLE PROJECTION		SEE PROPRIETARY NOTICE ON SHEET A1			
Lucent Technologies Inc.		SHEET	ISSUE	DWG SIZE	
ED5D772-10		B24	8	C2/A1R	

- 847235231 BLUE TROUGH (OUTER, 1 CABINET POSITION)
- 847235215 BLUE TROUGH (INNER, 1 CABINET POSITION)
- 847235272 BLUE TROUGH (OUTER, 2 CABINET POSITIONS)
- 847235298 BLUE TROUGH (INNER, 2 CABINET POSITIONS)
- 848565354 WHITE TROUGH (OUTER, 1 CABINET POSITION)
- 847565362 WHITE TROUGH (INNER, 1 CABINET POSITION)
- 848565370 WHITE TROUGH (OUTER, 2 CABINET POSITIONS)
- 848565396 WHITE TROUGH (INNER, 2 CABINET POSITIONS)

NOTE: THE FLEX-SM CABLE TROUGH CAN MOUNT IN ANY ONE OF THREE LOCATIONS-FRONT (AS SHOWN), CENTER, AND REAR.



DETAIL A
SCALE: 1/1

FIG. 28
FLEX-SM CROSS AISLE TROUGHS OVER A GAP, GPDF, OR MISCELLANEOUS CABINET
ED5D772-70 G19, G21, G27, G70, AND G72

MODEL NAME	DRAFT			
ED5D772-10_B25	DRAWING	1.1	Create	sdecost
FILE NAME	FILE TYPE	PDMREV	PDMRL	CONTACT

TITLE		5ESS-2000 SWITCHING EQUIPMENT METHOD OF INSTALLATION CROSS AISLE CABLE TROUGHS		
THIRD ANGLE PROJECTION		SEE PROPRIETARY NOTICE ON SHEET A1		
Lucent Technologies Inc.	ED5D772-10	SHEET B25	ISSUE 8	DWG SIZE C2/AIR