PRODUCT COMPATIBILITY

| PRODUCT CAPABILITY TABLE		
CABINET WIDTH (A)	EQUIPMENT OPENING (B)	301099388 CCM DATA M COPPER/FIBER
27	19	NO
28	19	NO
31/32	19	YES
35/36	19	YES
31	23	NO
32	23	NO
35/36	23	YES

*DIMENSIONS ARE IN INCHES

NOTES:

1. THE PRODUCT COMPATIBILITY TABLE INDICATES THE FIT OF THE CCM INTO WHICH ELECTRONIC CABINET(S).

2. SEE PAGE THREE FOR CAPACITY, WIDTH, AND OVERALL DEPTH OF DATA & FIBER RETAINERS.

FRONT VIEW OF ELECTRONIC CABINET

(B)

(A)
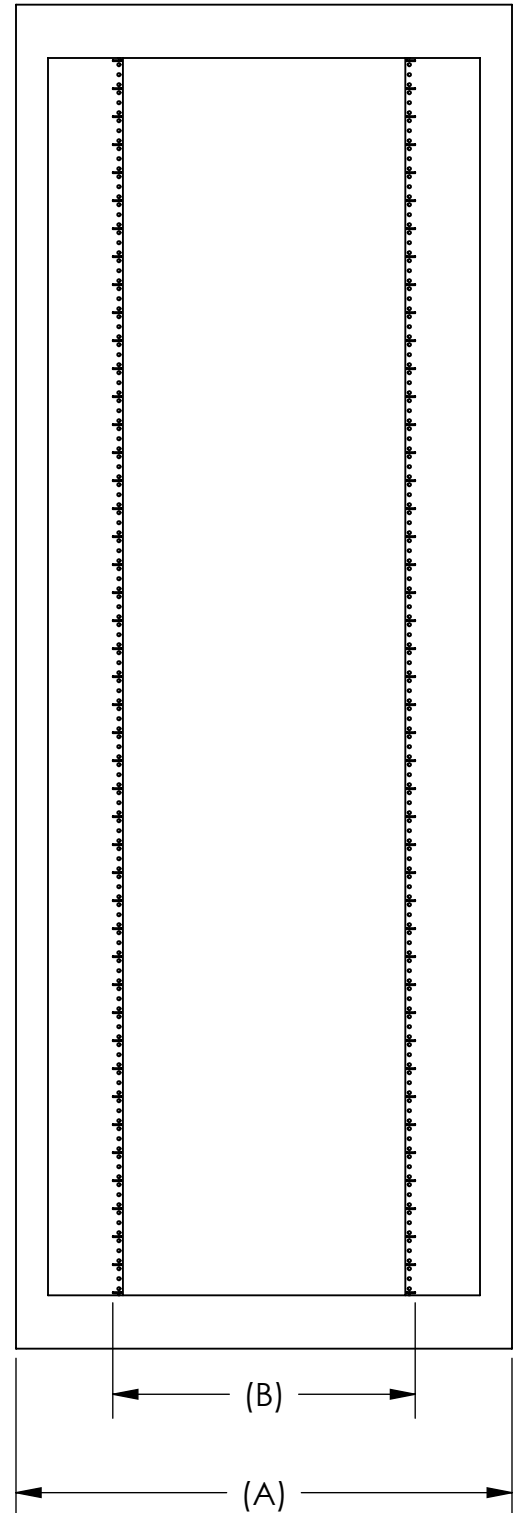
CONTENTS OF CCM ASSEMBLIES

DATA CABLE BRACKET

LEFT CCM ASSY

FIBER JUMPER RETAINER

RIGHT CCM ASSY
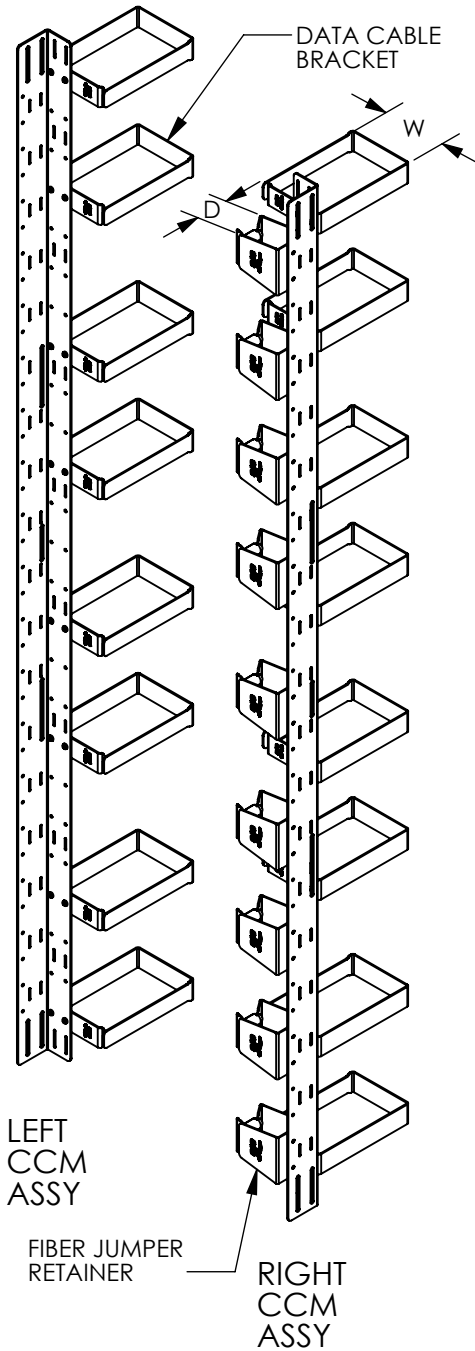
STOCKLIST FOR CABINET CABLE MANAGEMENT ASSEMBLY			
	301099388 DATA M COPPER/FIBER CCM		
ITEM	QTY		DESCRIPTION
1	2		BRACKET, L CCM
2	18		BRACKET, DATA CABLE, MOBILITY CCM, 5.00"W X 8.00"DP
3	9		RETAINER, FIBER JUMPER, DATA M 2.50"W X 3.90"DP
4			
5			
6	8		1/4-20 UNISTRUT CHANNEL NUT WIT SPRING
7			
8			
9	9		BEND LIMITER
10			
11	18		12-24 X 1/4 PH PHILLIPS SCREW
12	8		SAE 1/4" FLAT WASHER STL/ZN .75"OD X .281"ID
13	8		1/4-20 X 5/8" PHILLIPS ROUND HEAD SCREW 18-8 SST
14	32		10-32 X 5/16 PH PHILLIPS, SST
15	8		SAE 1/4" FLAT WASHER STL/ZN 0.281 ID X 0.625

NOTE: ALL RETAINER DIMENSIONS ARE IN INCHES AND SHOWN AS WIDTH (W) X DEPTH (D). ALSO SEE PAGE THREE

1. THE CABINET CABLE MANAGMENT (CCM) ASSEMBLY IS PROVIDED READY TO INSTALL INTO CABINETS WITH (8) HORIZONTAL UNISTRUT MOUNTING CHANNELS, 4 PER SIDE WALL.

2. IF THE CCM IS INSTALLED INTO CABINETS WITH (6) HORIZONTAL UNISTRUT MOUNTING CHANNELS (3 PER SIDE WALL) AND LOCAL PRACTICE REQUIRES FASTENING TO THE MIDDLE UNISTRUT CHANNELS, THEN SEE PAGE FIVE.

3. WHEN THE CCM IS ORDERED A LEFT AND RIGHT CCM ASSEMBLY IS PROVIDED. THE LEFT CCM DOES NOT HAVE FIBER RETAINERS. THE RIGHT CCM HAS BOTH FIBER RETAINERS AND DATA CABLE BRACKETS.

TOP VIEWS OF CCM ASSEMBLY
SHOWING SIZE AND MAX CABLE CAPACITY

5.00
[127.0]

8.00
[203.2]

518
DATA
CABLES

11.55
[293.3]

660
FIBER
JUMPERS

2.51
[63.6]

3.90
[99.1]
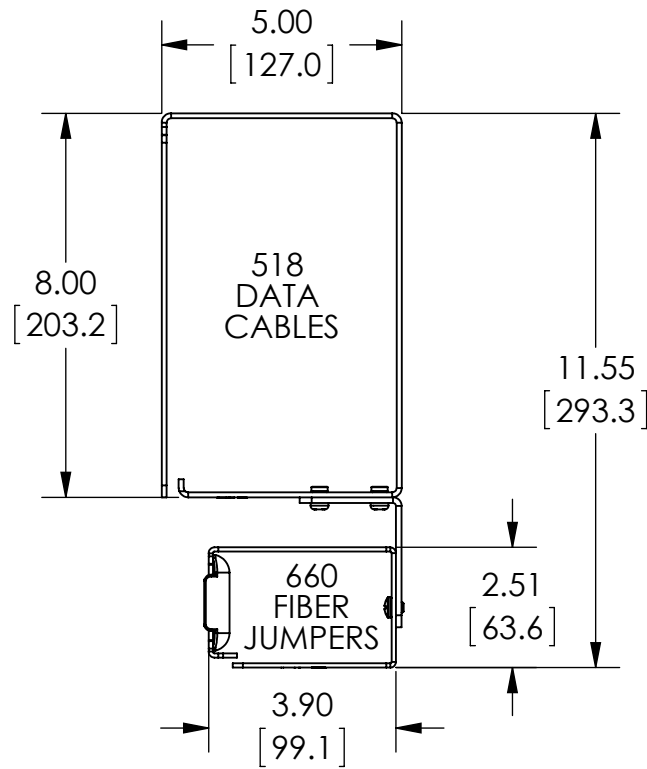
301099388
CCM DATA M COPPER/FIBER

NOTE: ALL DIMENSIONS ARE IN INCHES [MM]
THE CAPACITY NUMBERS LISTED ARE FOR 1.6MM OD SIMPLEX JUMPERS.
FOR THE MAXIMUM NUMBER OF 2.0MM SIMPLEX JUMPERS MULTIPLY THE MAXIMUM BY 0.60.

CCM INSTALLATION INTO (8) CHANNEL CABINET

4. INSERT TWO UNISTRUT CHANNEL NUTS INTO THE TOP LEFT AND AND BOTTOM LEFT UNISTRUT CHANNELS.
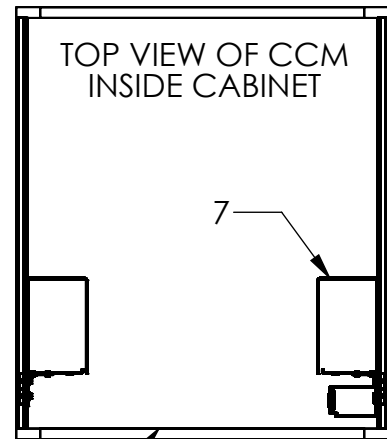
5. ATTACH THE LEFT CCM ASSEMBLY TO THE TOP UNISTRUT CHANNEL USING
(2) 1/4-20 SCREWS AND
(2) 1/4 WASHERS. **DO NOT FULLY TIGHTEN SCREWS AT THIS TIME.**

6. FASTEN THE CCM TO THE BOTTOM UNISTRUT CHANNELS USING
(2) 1/4-20 SCREWS AND
(2) 1/4 WASHERS
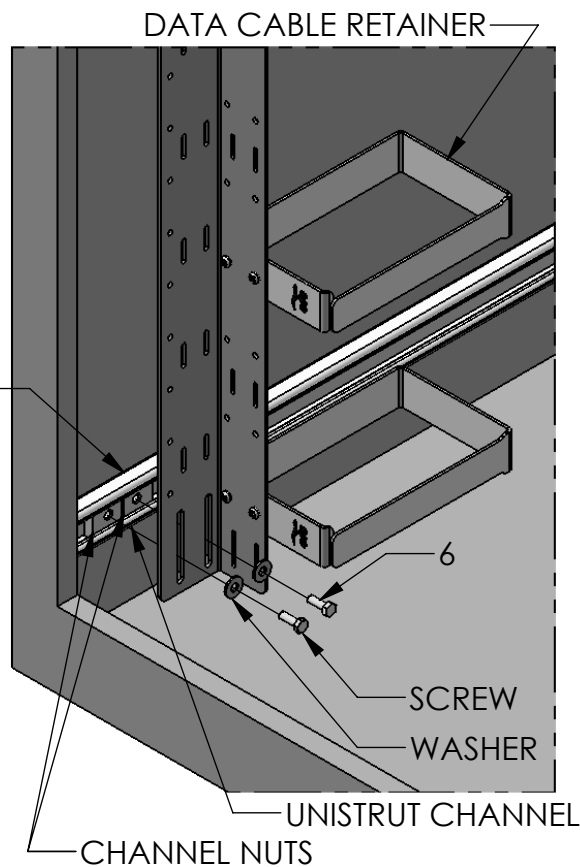INTO EACH CHANNEL. **DO NOT FULLY TIGHTEN SCREWS AT THIS TIME.**

7. SLIDE THE CCM ASSEMBLY TOWARDS THE INSIDE EDGE OF THE OPENING. **FULLY TIGHTEN ALL FOUR SCREWS.**

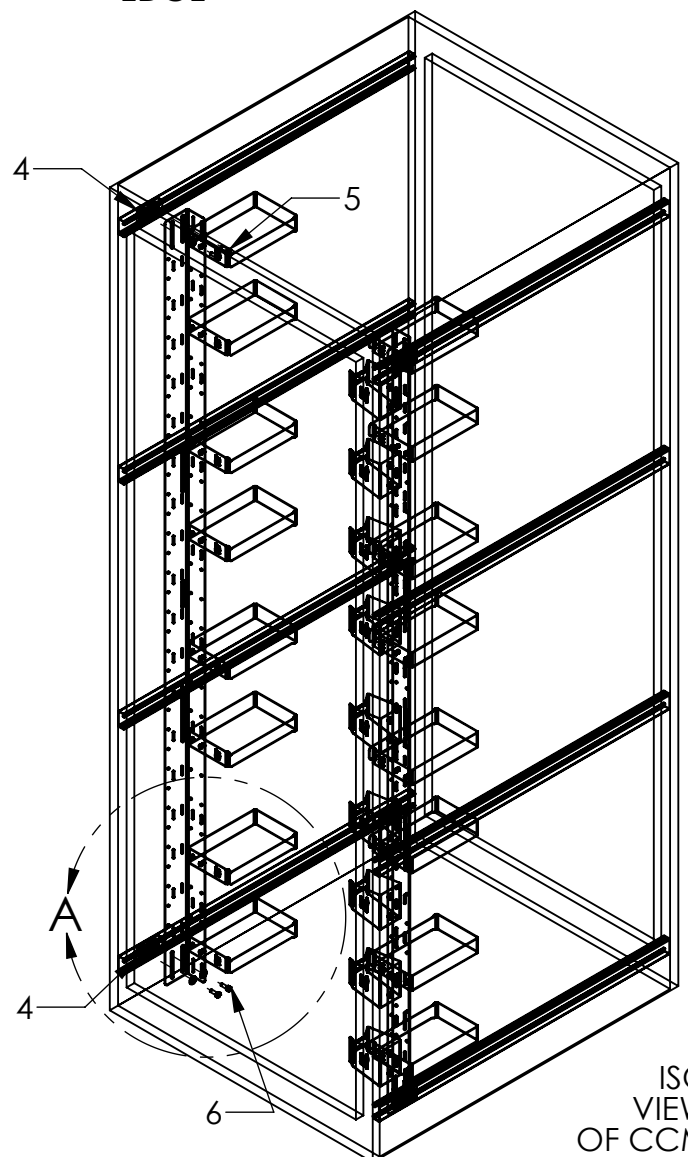8. REPEAT STEPS 4-7 FOR THE RIGHT CCM ASSEMBLY.

NOTE: THE MIDDLE MOUNTING SLOTS SHOULD BE USED ACCORDING TO LOCAL PRACTICE.

TOP VIEW OF CCM INSIDE CABINET

7

INSIDE EDGE

DATA CABLE RETAINER

4

4

6

SCREW

WASHER

UNISTRUT CHANNEL

CHANNEL NUTS

DETAIL A

5

A

4

6
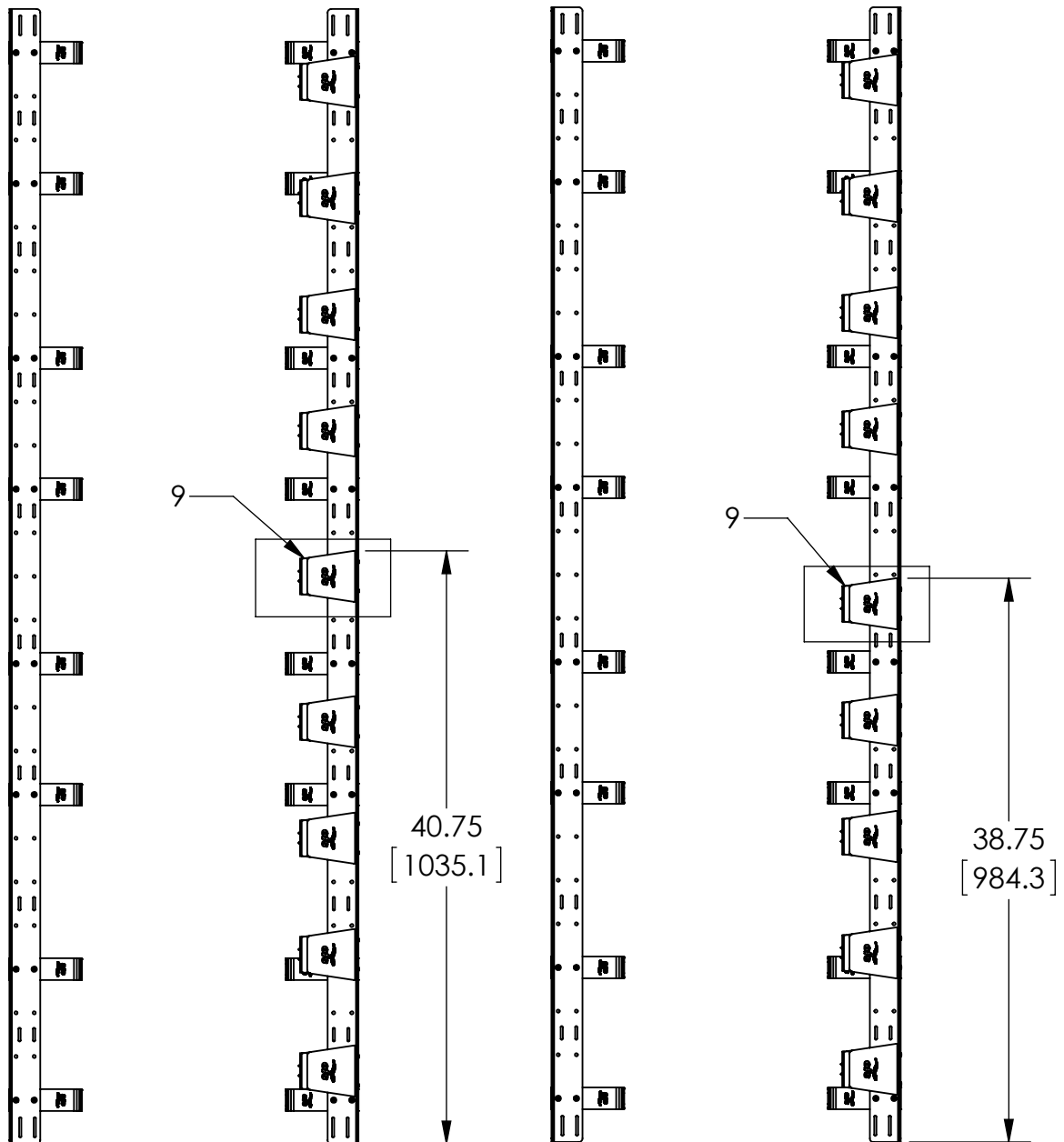
ISO VIEW OF CCM INSIDE CABINET

CCM INSTALLATION INTO (6) CHANNEL CABINET WHEN MIDDLE FASTENERS ARE REQUIRED - REPOSITION (1) FIBER JUMPER RETAINER

LEFT CCM ASSY   RIGHT CCM ASSY   LEFT CCM ASSY   RIGHT CCM ASSY

9

40.75
[1035.1]

9

38.75
[984.3]

BEFORE
CCM ASSEMBLY IS PROVIDED
READY TO ATTACH INTO CABINETS
WITH (8) CHANNELS

AFTER
ONE OF THE NINE DATA CABLE RETAINERS
IN THE RIGHT CCM ASSEMBLY IS REPOSITION-
ED TO ATTACH INTO CABINETS WITH (6)
CHANNESLS WHEN MIDDLE FASTENERS
ARE USED.

9. MOVE THE FIFTH FIBER JUMPER RETAINER DOWN ONE SET OF MOUNTING HOLES, 2.00 INCHES. THIS WILL FREE UP THE MIDDLE SLOT FOR FASTENING INTO CABINET.

CCM INSTALLATION INTO (6) CHANNEL CABINET

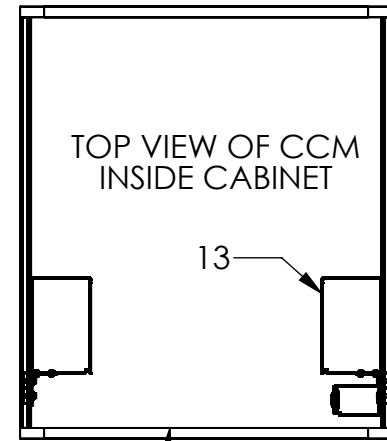10. INSERT TWO UNISTRUT CHANNEL NUTS INTO THE TOP LEFT AND AND BOTTOM LEFT UNISTRUT CHANNELS.

11. ATTACH THE LEFT CCM ASSEMBLY TO THE TOP UNISTRUT CHANNEL USING (2) 1/4-20 SCREWS AND (2) 1/4 WASHERS. **DO NOT FULLY TIGHTEN SCREWS AT THIS TIME.**

12. FASTEN THE CCM TO THE BOTTOM UNISTRUT CHANNELS USING (2) 1/4-20 SCREWS AND (2) 1/4 WASHERS INTO EACH CHANNEL. **DO NOT FULLY TIGHTEN SCREWS AT THIS TIME.**
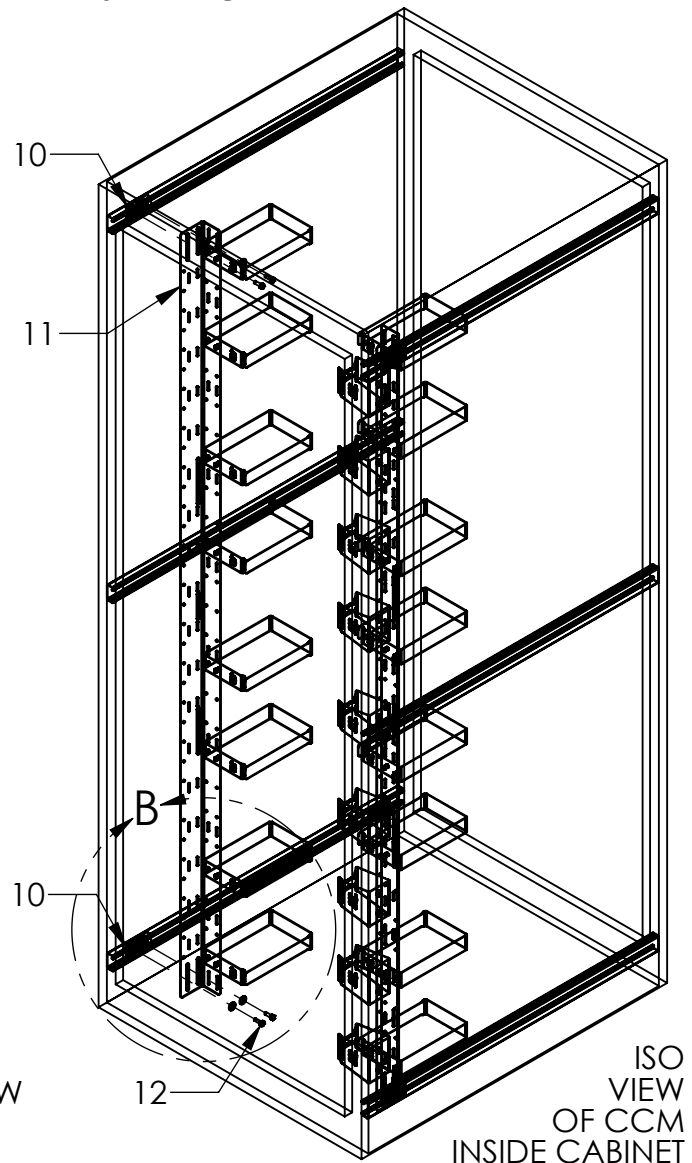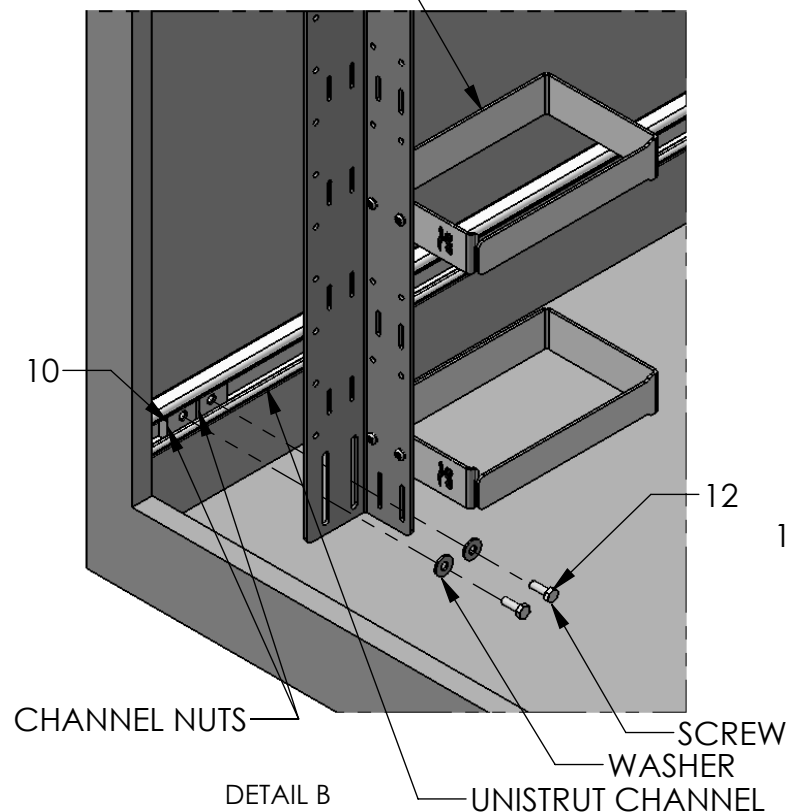
13. SLIDE THE CCM ASSEMBLY TOWARDS THE INSIDE EDGE OF THE OPENING. **FULLY TIGHTEN ALL FOUR SCREWS.**

14. REPEAT STEPS 10-13 FOR THE RIGHT CCM ASSEMBLY.

NOTE: THE MIDDLE MOUNTING SLOTS SHOULD BE USED ACCORDING TO LOCAL PRACTICE.

TOP VIEW OF CCM INSIDE CABINET

13

INSIDE EDGE

DATA CABLE RETAINER

10

12

CHANNEL NUTS

SCREW

WASHER

UNISTRUT CHANNEL

DETAIL B

10

11

B

10

12

ISO VIEW OF CCM INSIDE CABINET

ROUTE CABLES
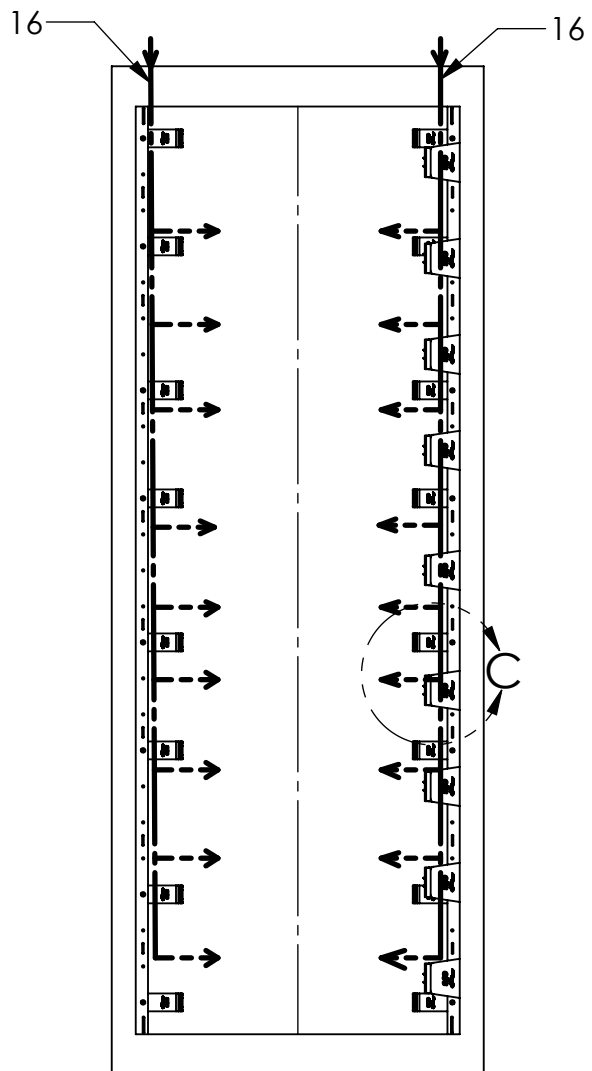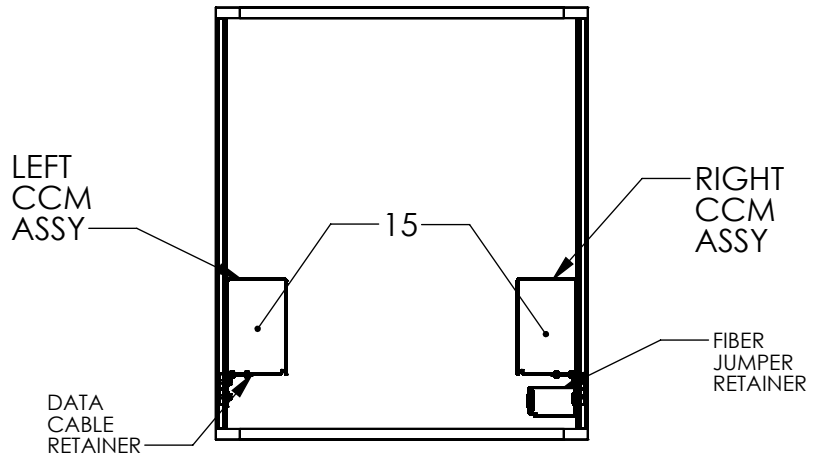
TOP VIEW OF CCM INSIDE CABINET

15. ROUTE THE DATA CABLES INSIDE THE DATA CABLE RETAINERS

16. SHOWN IS A TYPICAL TOP DOWN ROUTE OF THE DATA CABLES

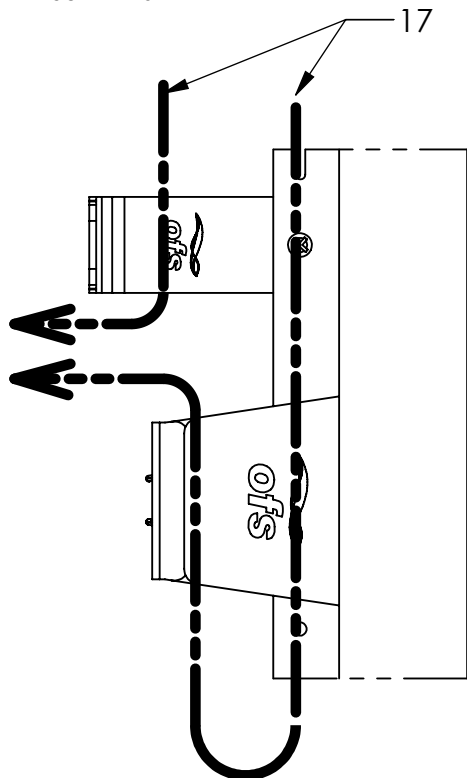17. THIS IS A TYPICAL DETAILED VIEW OF DATA CABLE ROUTES SHOWING STORAGE OF EXCESS CABLES

NOTE: THE DATA CABLES MAY ENTER FROM EITHER THE TOP OR THE BOTTOM OF THE CCM.

LEFT CCM ASSY

RIGHT CCM ASSY

FIBER JUMPER RETAINER

DATA CABLE RETAINER

FIBER JUMPERS

DETAIL C

FRONT VIEW OF CCM INSIDE CABINET

NON-STANDARD SPECIAL APPLICATIONS
FIBER JUMPER REAR/DATA CABLE FRONT,

18. THE TABLE BELOW SHOWS THE MAXIMUM JUMPER RETAINER CAPACITIES WHEN 1.6MM OD SIMPLEX FIBER JUMBERS ARE PLACED IN THE DATA CABLE RETAINERS AND THE CAT 5/6 DATA CABLES ARE PLACED IN THE JUMPER RETAINERS.

ITEM	CCM	1.6MM OD FIBER JUMPER IN DATA RETAINER	CAT 5/6 DATA CABLE IN FIBER RETAINER
1	301090445 MOBILITY DATA CABLE CCM	3000	110