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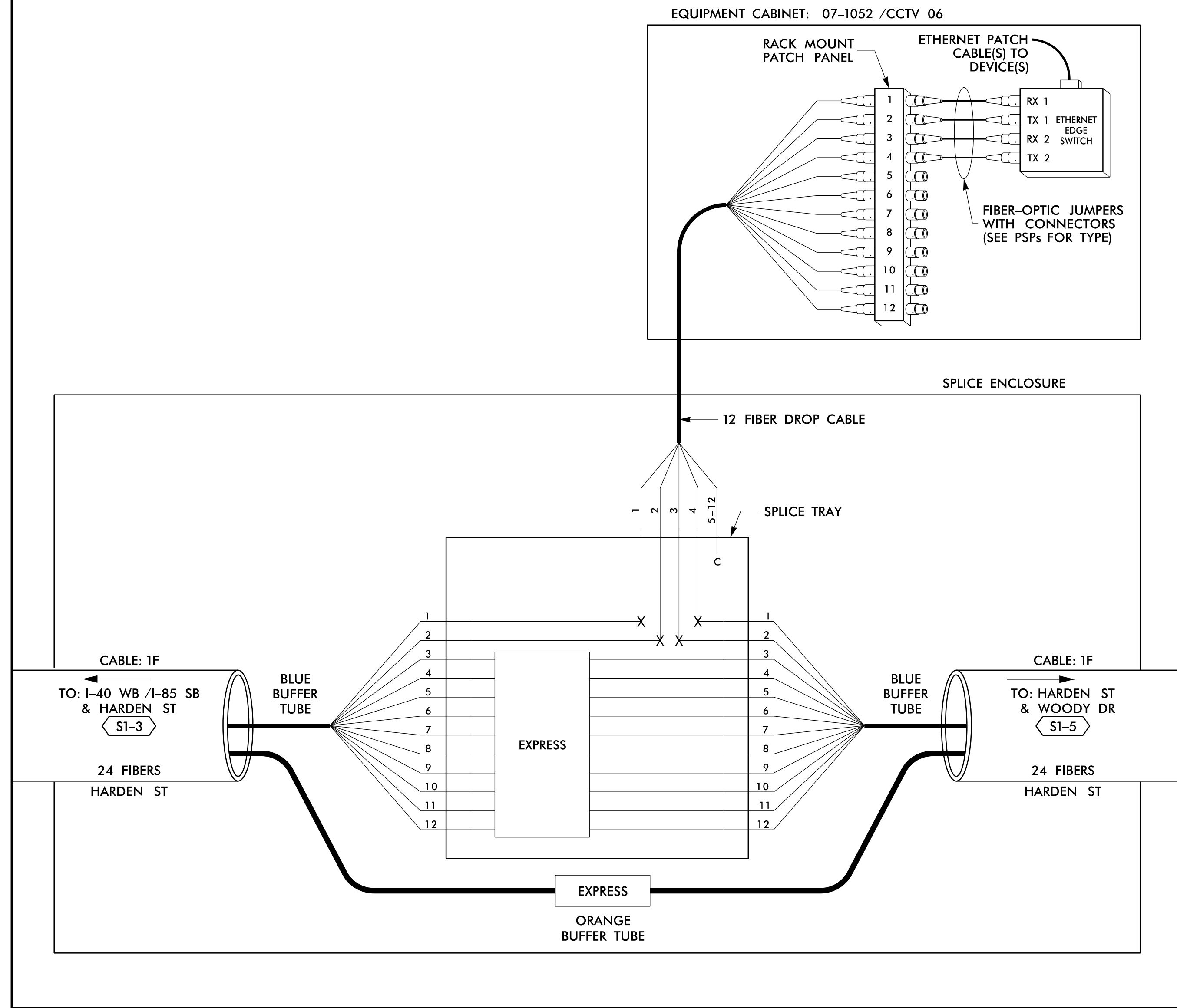
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**SPLICE NO.**

**S1-4**

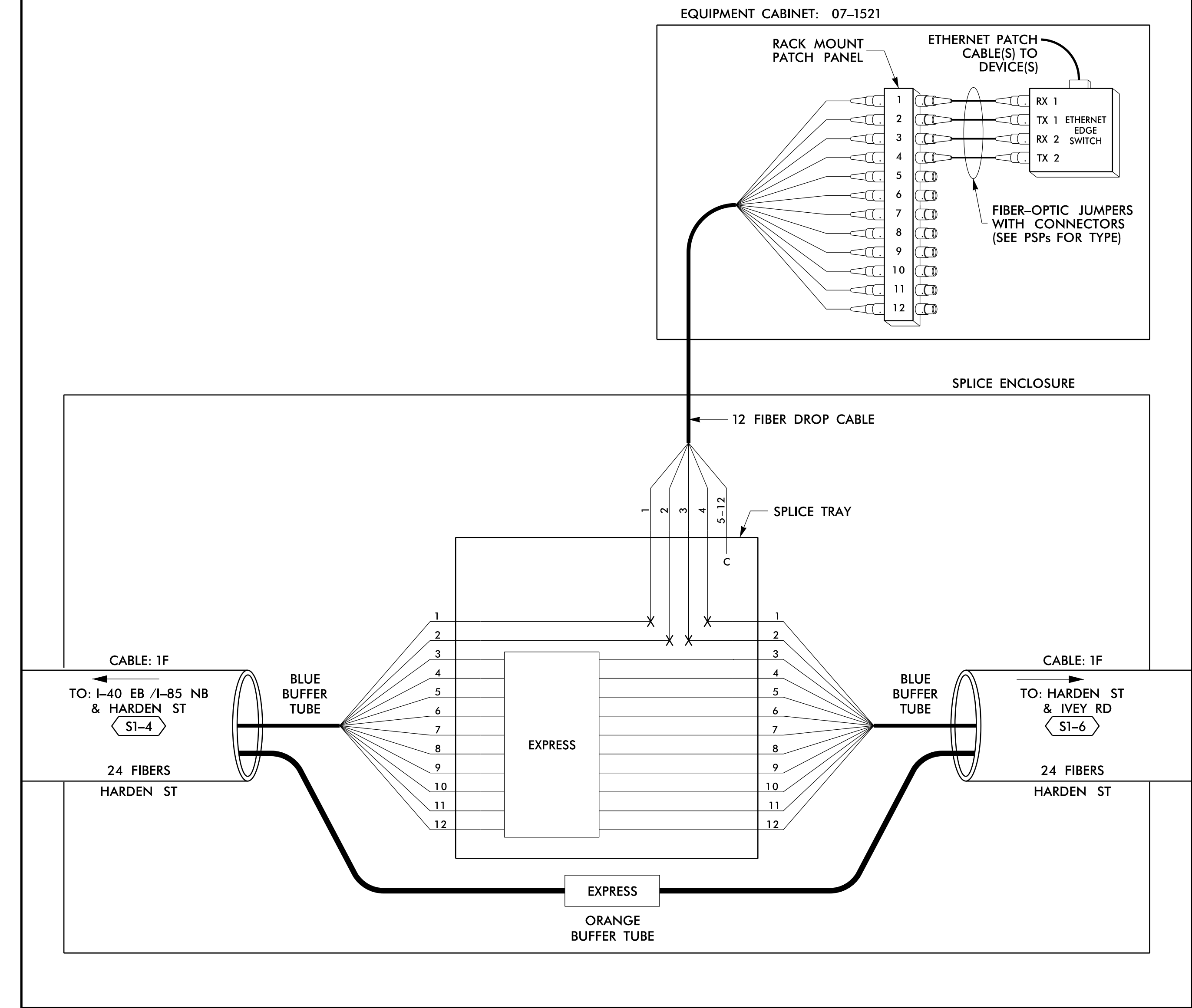
I-40 EB / I-85 NB & HARDEN ST  
SEE: CRP-6.106



**SPLICE NO.**

**S1-5**

HARDEN ST & WOODY DR  
SEE: CRP-6.107



14 JUN 2018 12:05  
 D:\projects\proj\100056469 U-6015 B-C Sig\_Sys\Task 11\_Coms\Fs 4.005.dgn  
 S:\033633 AT\_LLUS355433

**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	C = CAP AND SEAL	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE	(8) BLACK		EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(3) GREEN	(9) YELLOW			
(4) BROWN	(10) VIOLET			
(5) SLATE	(11) ROSE			
(6) WHITE	(12) AQUA			

**NOTES**

1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
3. EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS**

1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEs #F-0326

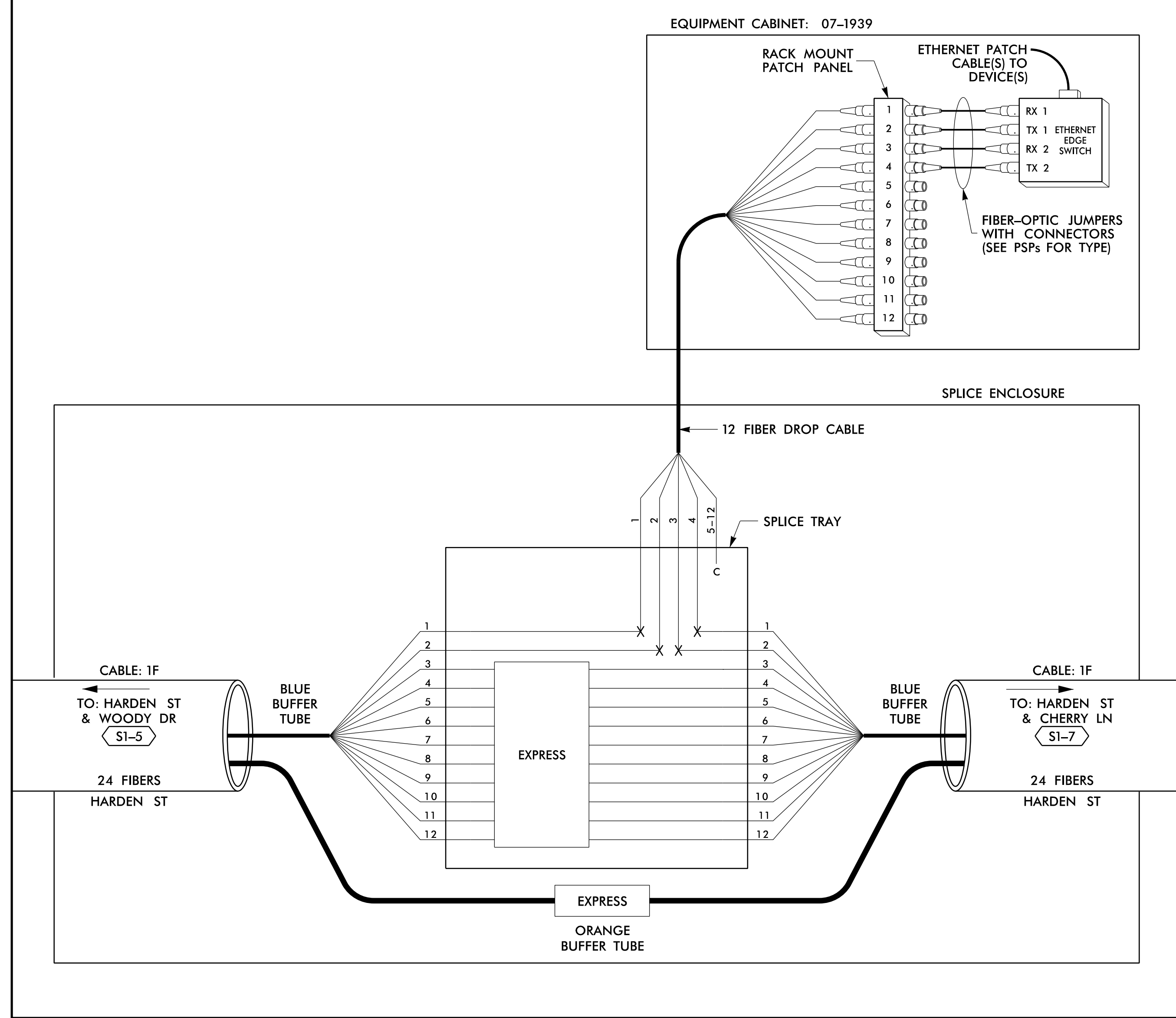
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

<p>750 Greenfield Parkway, Garner, NC 27529</p>	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Transportation Systems		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER 15/2018 DATE
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
Division 7 Alamance County Burlington & Graham		PLAN DATE: June 2018 REVIEWED BY: HA BADGETT	
PREPARED BY: BJ SLOCUM		REVIEWED BY: DL JONES	
SCALE: N/A		REVISIONS: _____ INIT. DATE _____	
CAD File Name: FS 4.005.dgn			

**SPLICE NO.**

**S1-6**

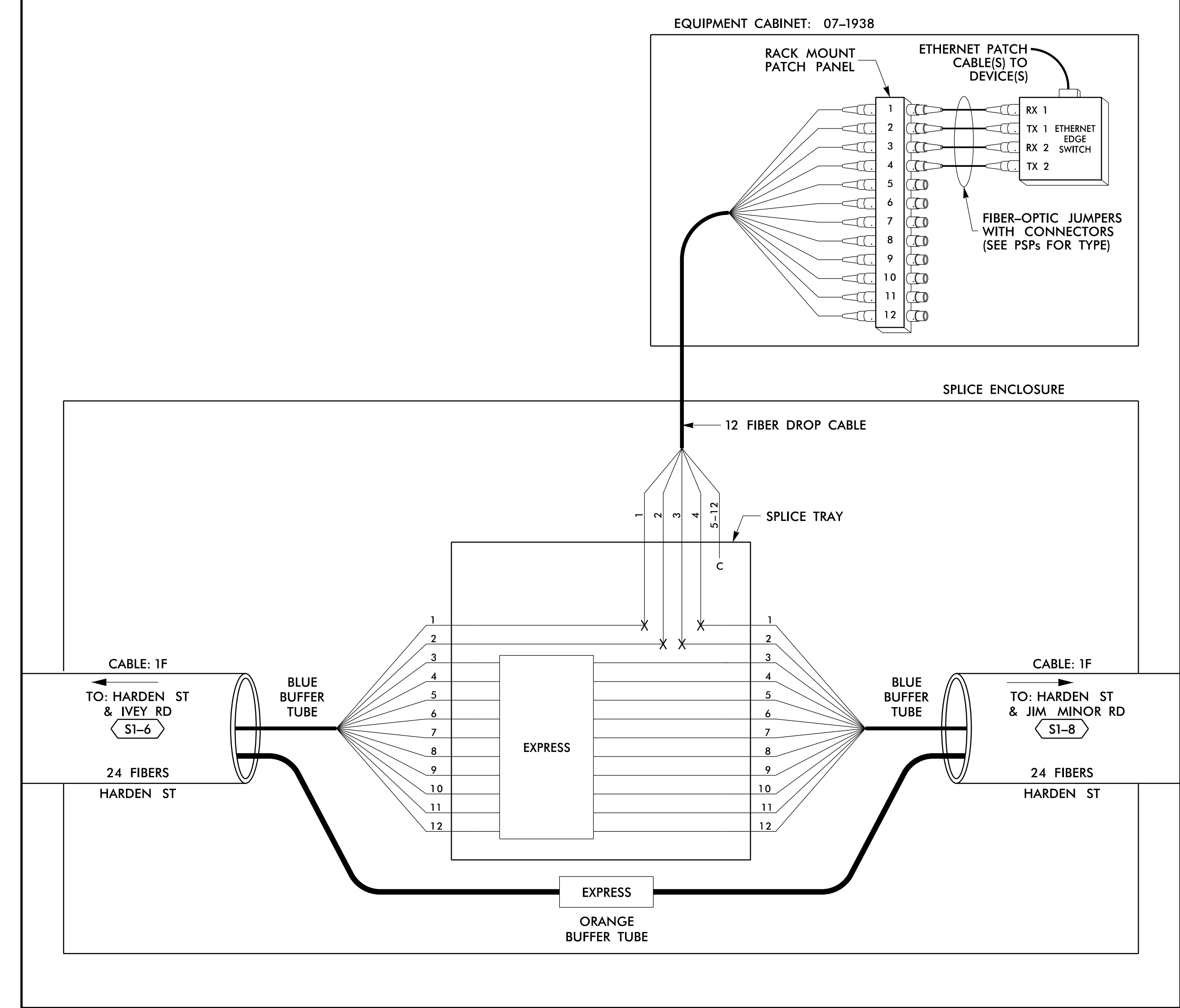
HARDEN ST & IVEY RD  
SEE: CRP-6.108



**SPLICE NO.**

**S1-7**

HARDEN ST & CHERRY LN  
SEE: CRP-6.112



14 JUN 2018 12:05  
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**LEGEND**

COLOR CODE		X = FUSION SPLICE INDIVIDUAL FIBER	
TIA/EIA 598-B		C = CAP AND SEAL	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

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	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details			
	Division 7 Alamance County	Burlington & Graham		
	PLAN DATE: June 2018	REVIEWED BY: HA BADGETT		
	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES		
SCALE: N/A		REVISIONS	INIT. DATE	

DATE: 6/15/2018  
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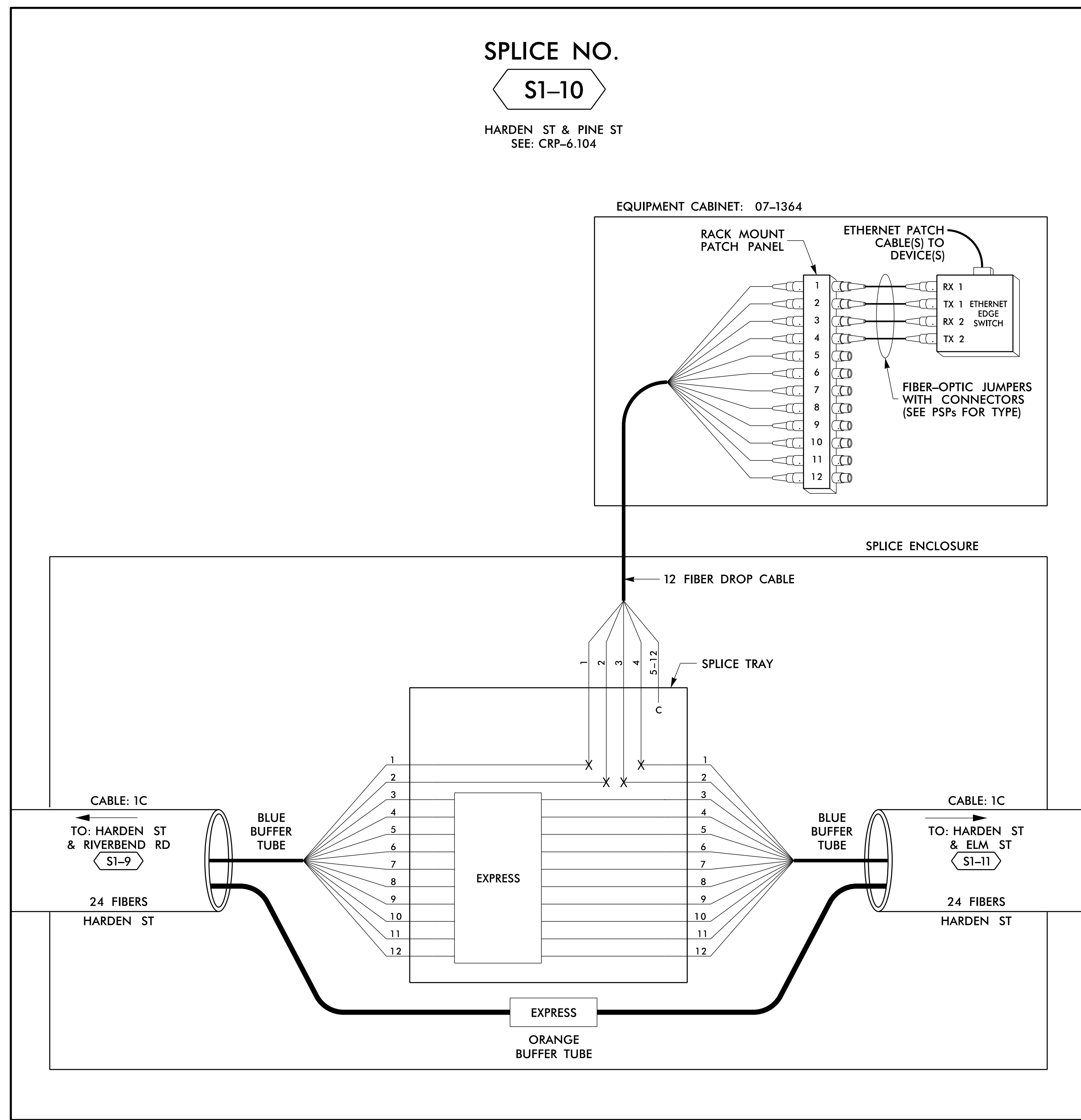




**SPLICE NO.**

**S1-10**

HARDEN ST & PINE ST  
SEE: CRP-6.104



14 JUN 2018 12:06  
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**LEGEND**

<b>COLOR CODE</b> TIA/EIA 598-B	X = FUSION SPlice INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE	(8) BLACK	EXISTING	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

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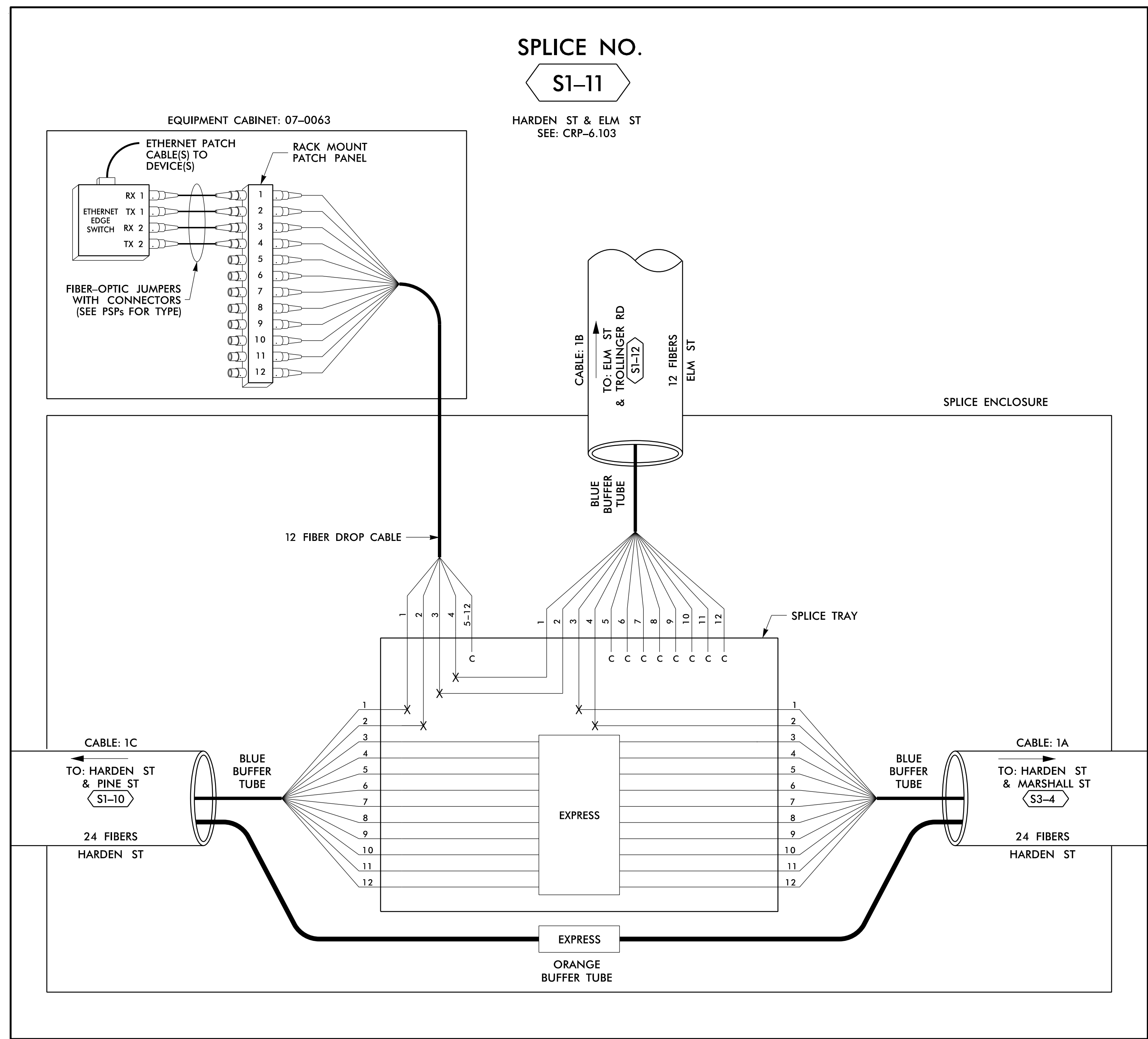
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
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(919) 876-6888 NCBEEs #F-0326

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<p>Prepared for the Offices of:                  NORTH CAROLINA                  DEPARTMENT OF TRANSPORTATION                  Transportation Systems</p>	Burlington-Graham Signal System Fiber-Optic Splicing Details		
	Division 7 Alamance County Burlington & Graham		
PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES		
SCALE: N/A	REVISIONS	INIT. DATE	DATE

750 Greenfield Parkway, Garner, NC 27529

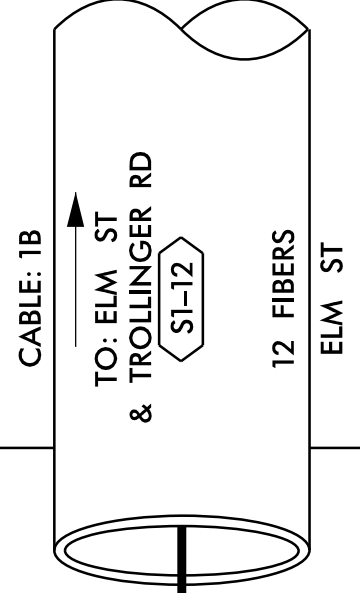
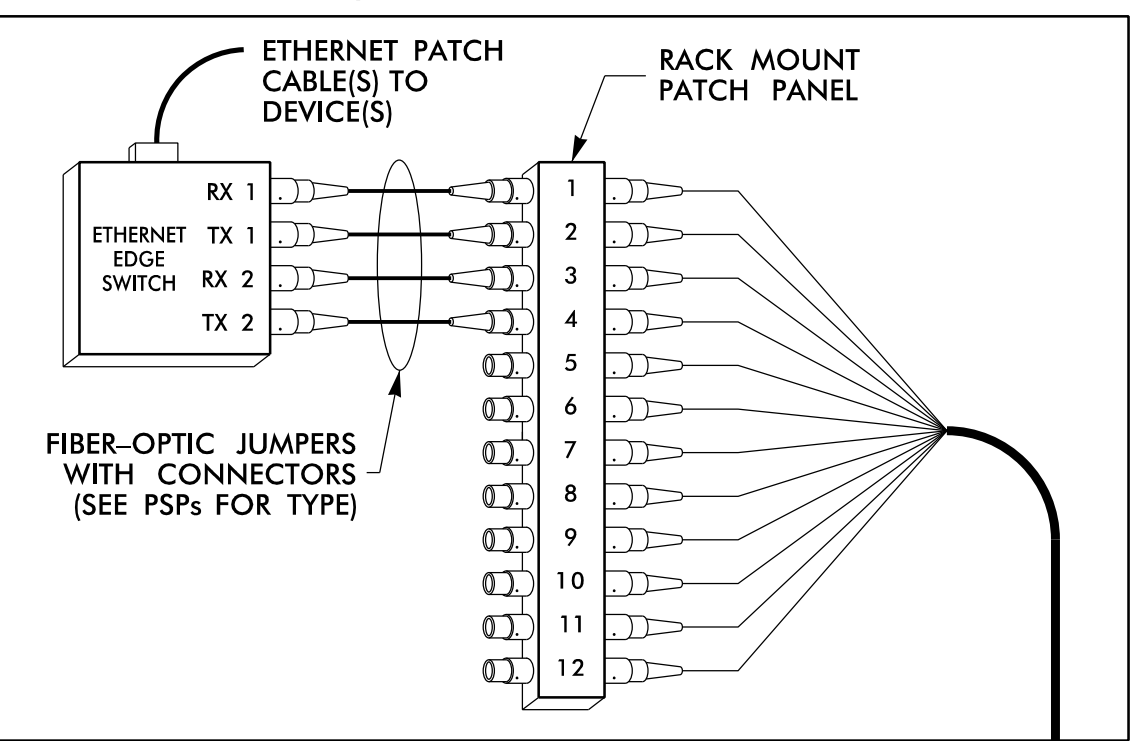
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 15/2018  
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**SPLICE NO.**  
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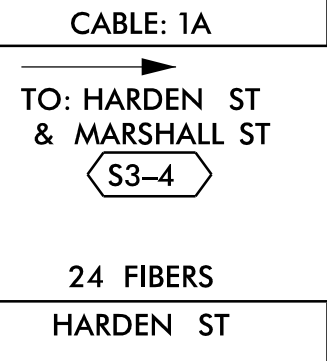
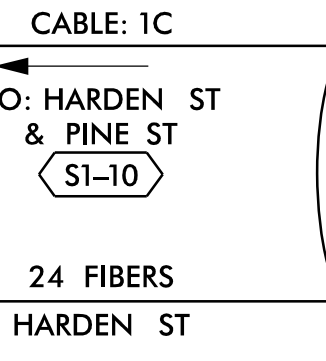
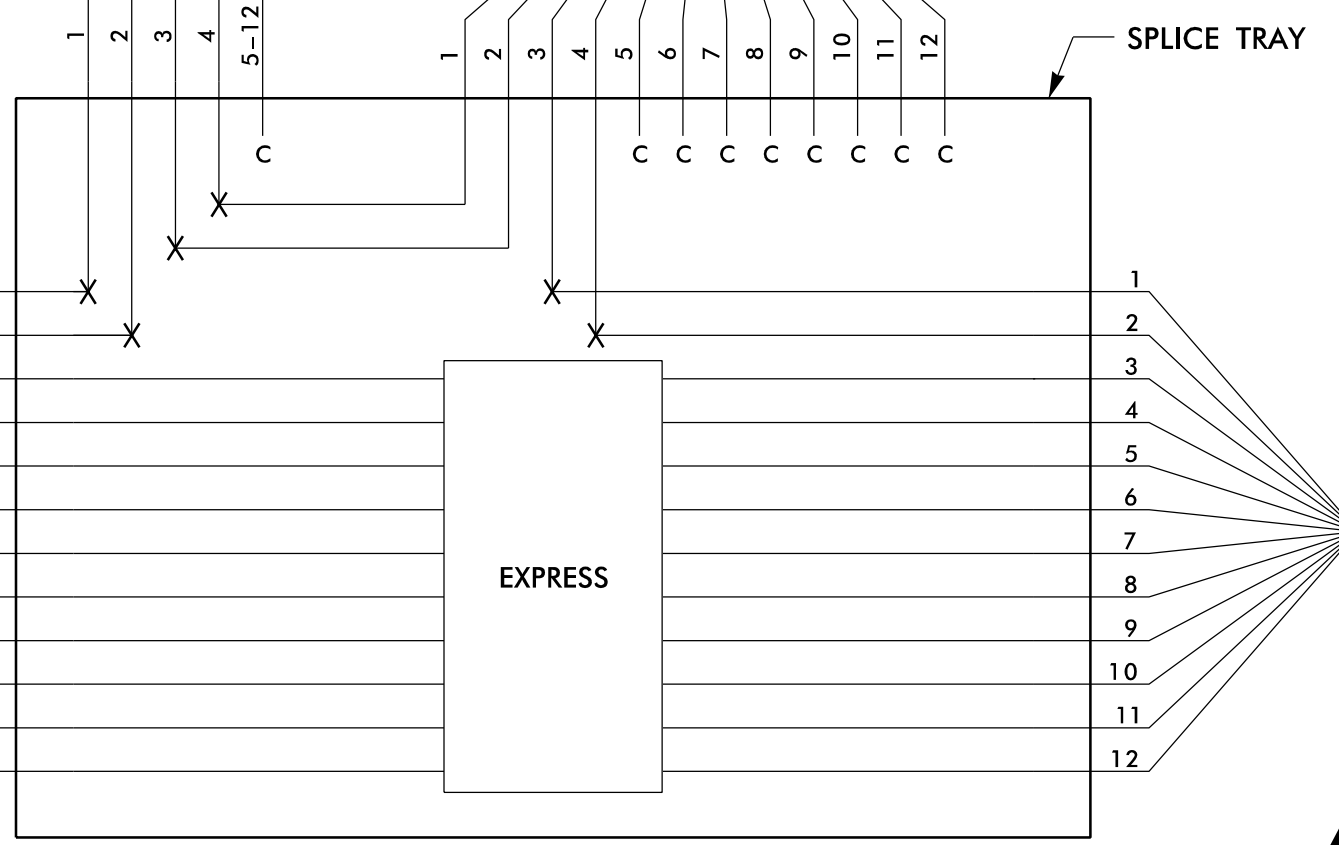
HARDEN ST & ELM ST  
 SEE: CRP-6.103

EQUIPMENT CABINET: 07-0063



12 FIBER DROP CABLE

SPLICE ENCLOSURE



EXPRESS

EXPRESS  
 ORANGE  
 BUFFER TUBE

**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPlice
(4) BROWN	(10) VIOLET	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE	EXISTING
(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

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- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
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14 JUN 2018 12:07  
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEE# F-0326

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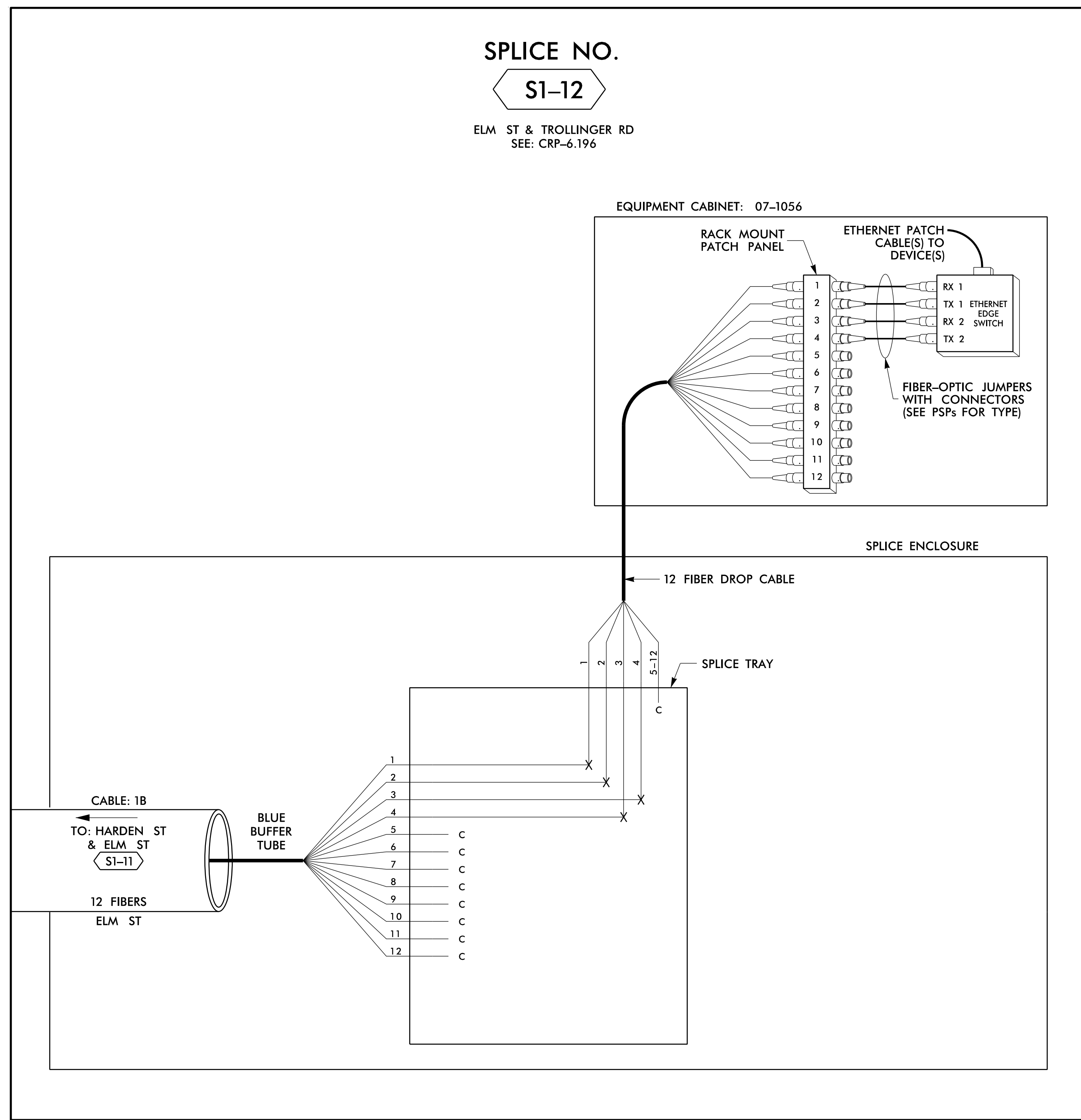
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	Burlington-Graham Signal System Fiber-Optic Splicing Details		
Division 7 Alamance County Burlington & Graham		PLAN DATE: June 2018 REVIEWED BY: HA BADGETT	
PREPARED BY: BJ SLOCUM		REVIEWED BY: DL JONES	
SCALE: N/A		REVISIONS: _____ INIT. DATE _____	
DATE: _____		DATE: _____	

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**SPLICE NO.**

**S1-12**

ELM ST & TROLLINGER RD  
SEE: CRP-6.196



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**LEGEND**


COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS      EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	
(3) GREEN	(9) YELLOW	BUFFER SPlice      SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	EXISTING      EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(6) WHITE	(12) AQUA	

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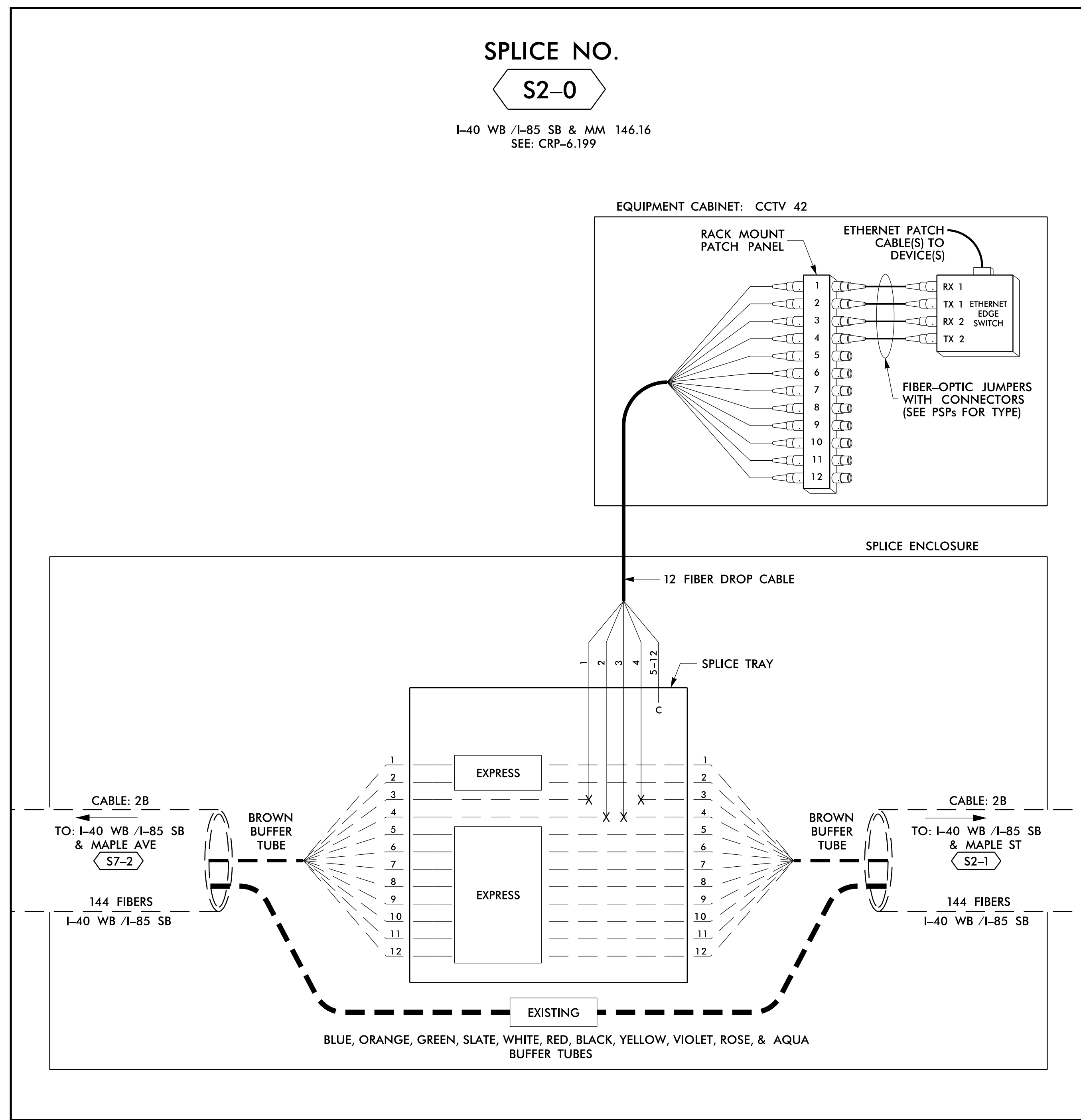
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	Division 7      Alamance County      Burlington & Graham	PLAN DATE: June 2018      REVIEWED BY: HA BADGETT	
SCALE N/A	REVISIONS      INIT.      DATE		CAD File name: FS_4.010.dgn



**SPLICE NO.**

**S2-0**

I-40 WB /I-85 SB & MM 146.16  
SEE: CRP-6.199



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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	BUFFER SPlice
(3) GREEN	(9) YELLOW	EXISTING
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	


EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING  
 SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR  
 EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

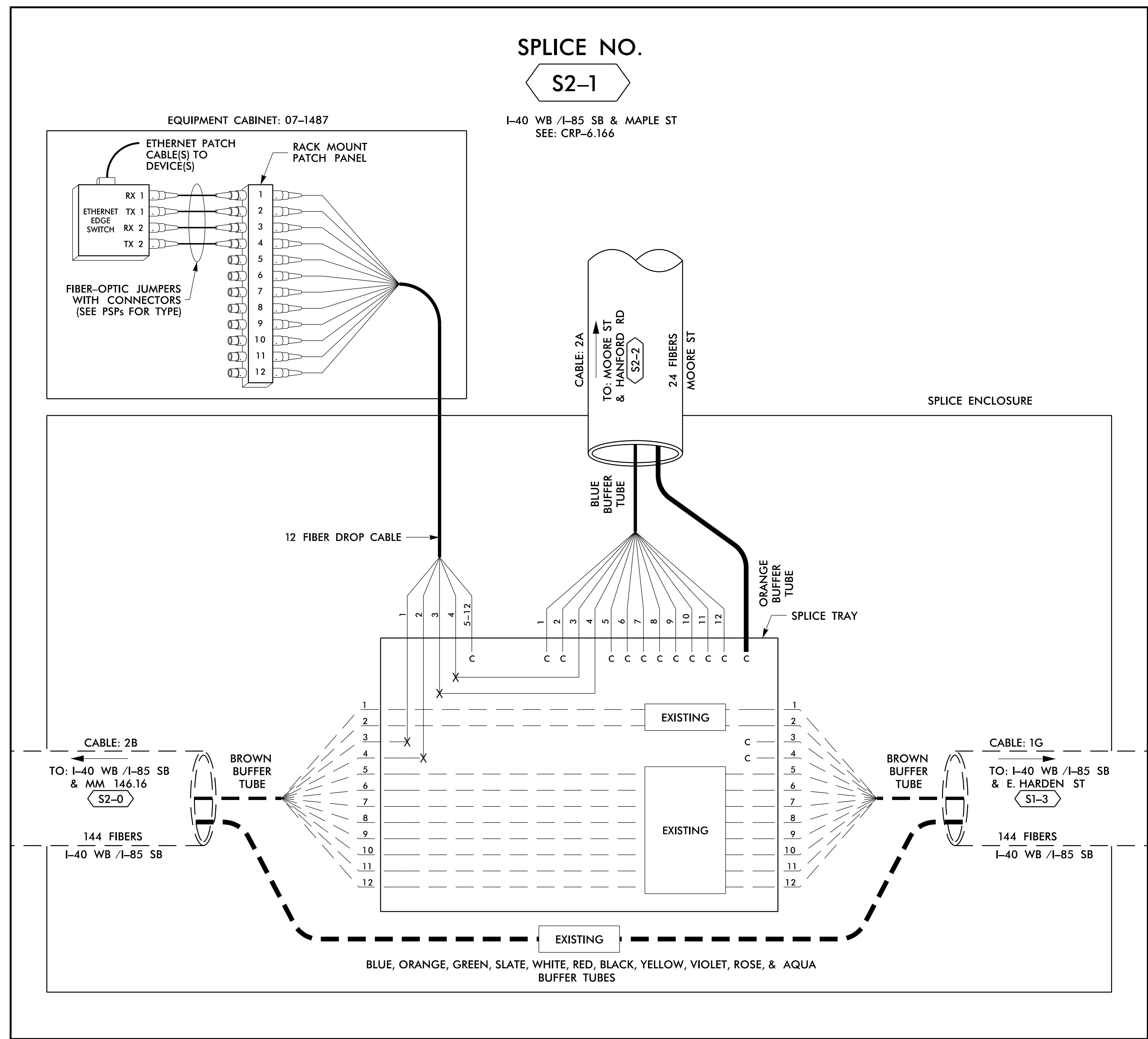
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
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Prepared for the Offices of:  750 Greenfield Parkway, Garner, NC 27529	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
SCALE N/A	REVISIONS INIT. DATE	DATE	CAD File name: FS 4.011.dgn



**SPLICE NO.**  
**S2-1**

I-40 WB /I-85 SB & MAPLE ST  
 SEE: CRP-6.166

EQUIPMENT CABINET: 07-1487

SPLICE ENCLOSURE

12 FIBER DROP CABLE

CABLE: 2B

TO: I-40 WB /I-85 SB & MM 146.16  
 S2-0

144 FIBERS  
 I-40 WB /I-85 SB

CABLE: 1G

TO: I-40 WB /I-85 SB & E. HARDEN ST  
 S1-3

144 FIBERS  
 I-40 WB /I-85 SB

BLUE, ORANGE, GREEN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, & AQUA  
 BUFFER TUBES

**LEGEND**

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COLOR CODE	TIA/EIA	598-B			
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING		
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR		
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.		
(4) BROWN	(10) VIOLET				
(5) SLATE	(11) ROSE				
(6) WHITE	(12) AQUA				

**NOTES**

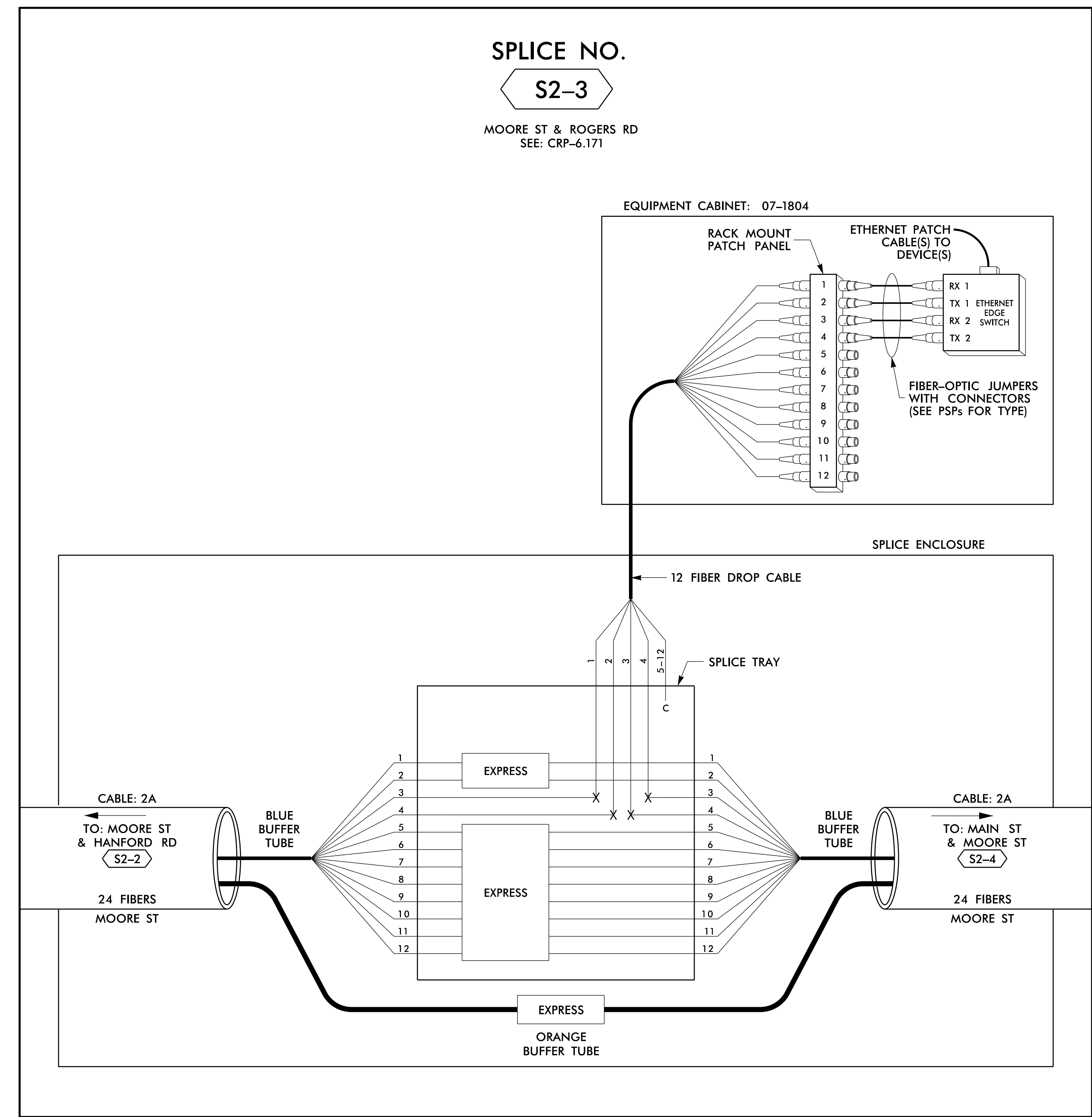
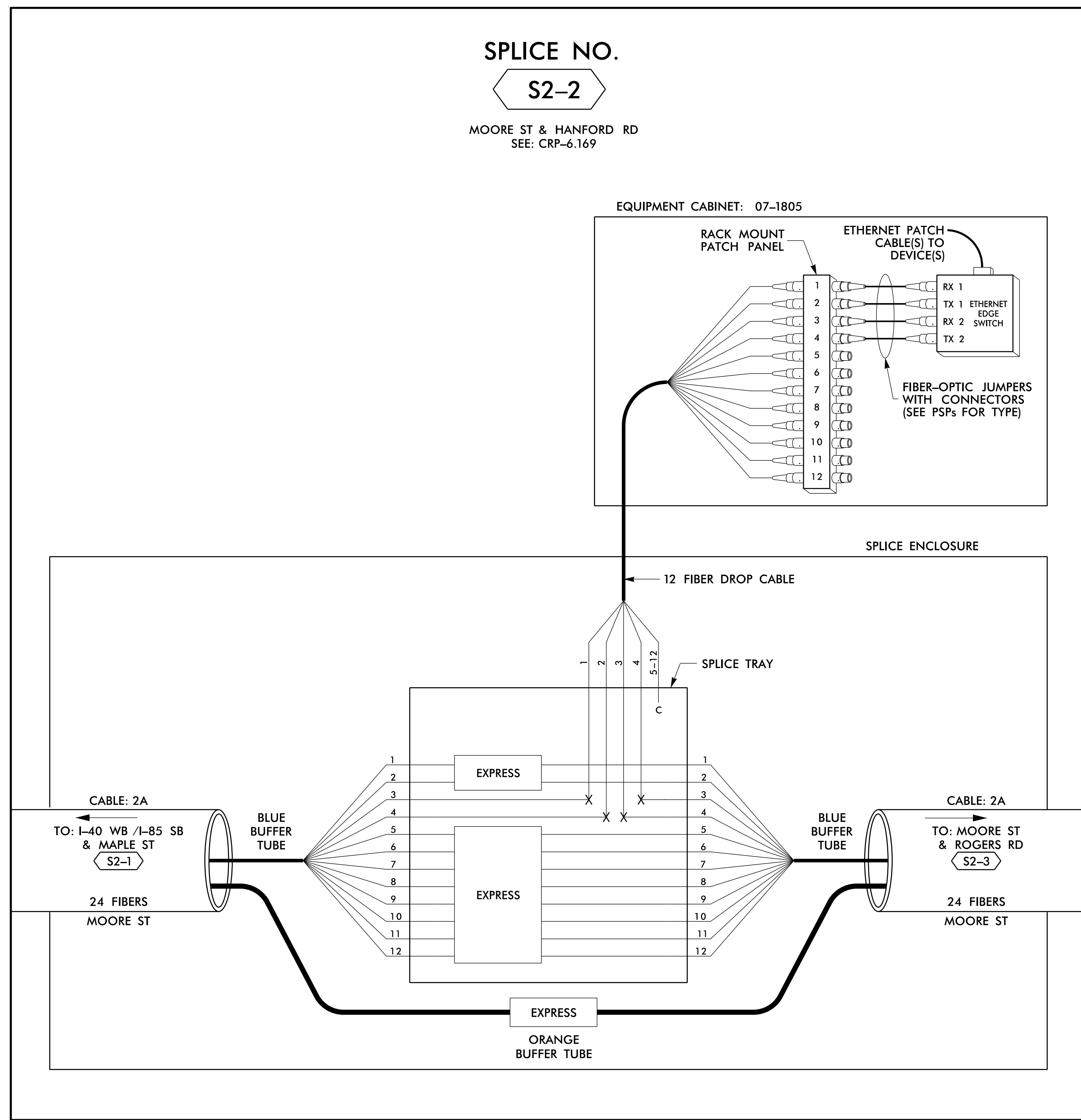
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
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	<p>Burlington-Graham Signal System          Fiber-Optic Splicing Details</p>								
	<p>Division 7 Alamance County</p>	<p>Burlington &amp; Graham</p>							
<p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>PLAN DATE: June 2018</p>	<p>REVIEWED BY: HA BADGETT</p>	<p>SCALE: N/A</p>						
<p>PREPARED BY: BJ SLOCUM</p>	<p>REVIEWED BY: DL JONES</p>	<table border="1"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISIONS	INIT.	DATE				<p>DATE: 15/2018</p>
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#### LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPlice
(4) BROWN	(10) VIOLET	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
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(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

#### NOTES

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 RALEIGH, NORTH CAROLINA 27609  
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Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 750 Greenfield Parkway, Garner, NC 27529	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	

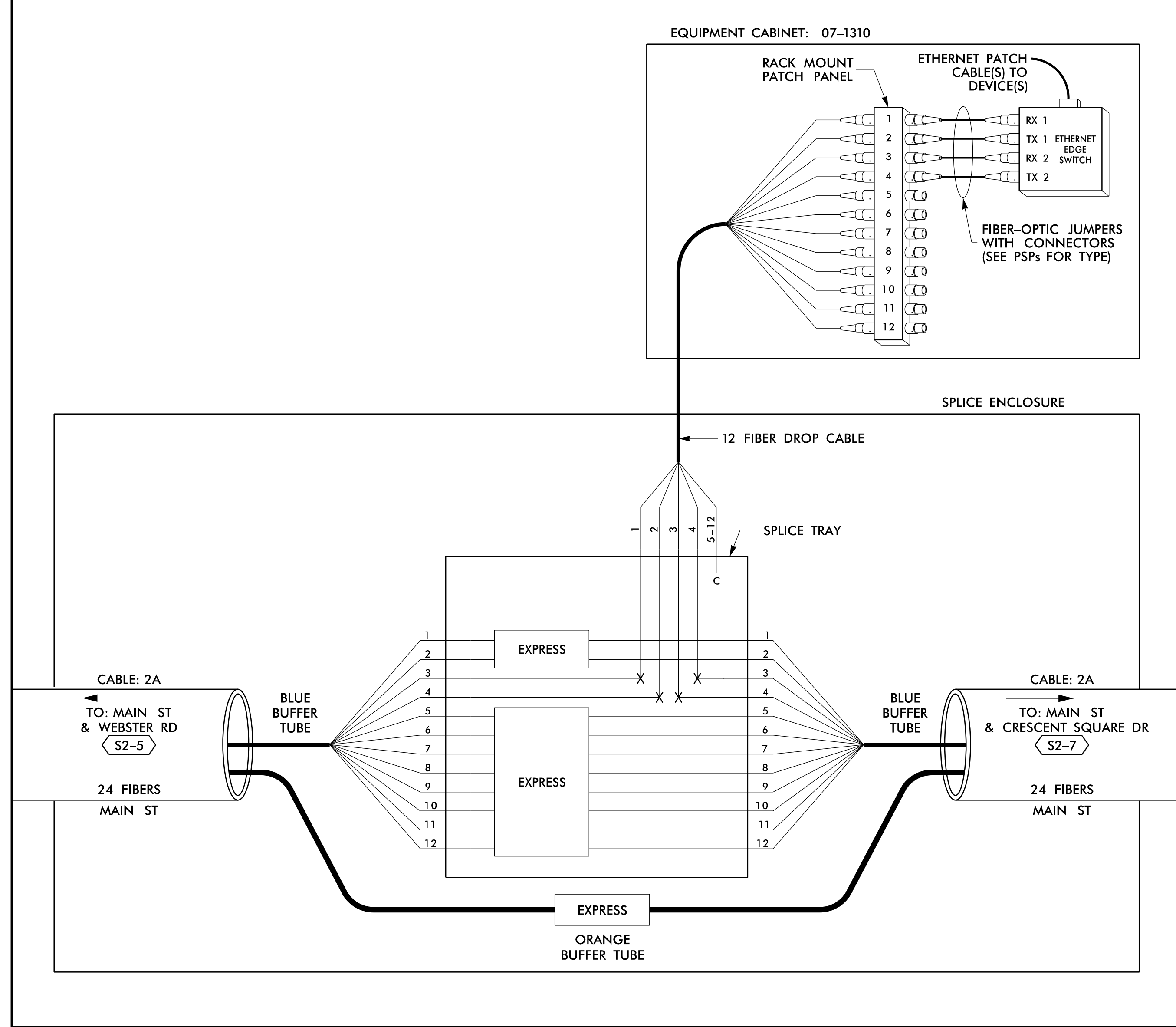




**SPLICE NO.**

**S2-6**

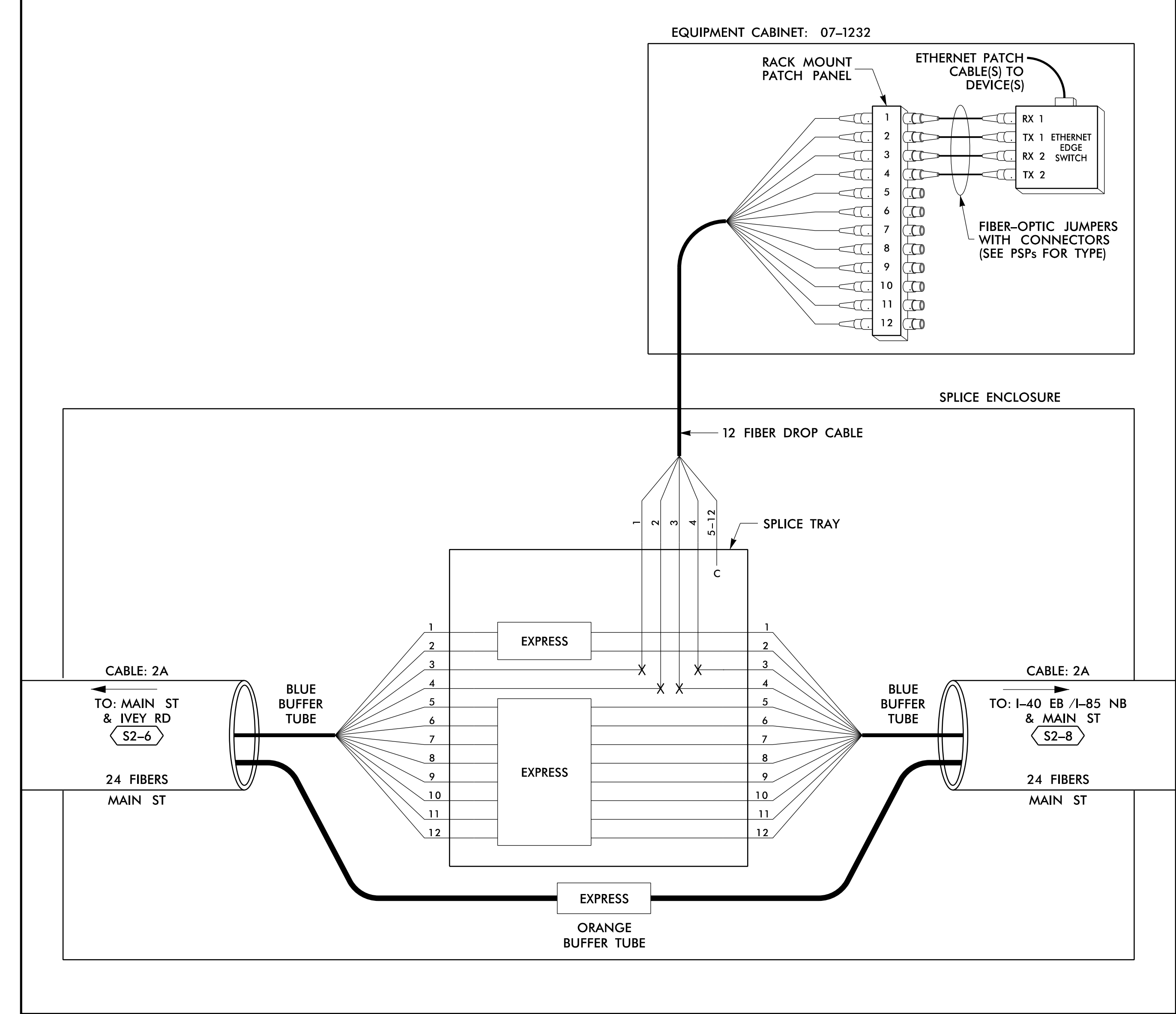
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SEE: CRP-6.174



**SPLICE NO.**

**S2-7**

MAIN ST & CRESCENT SQUARE DR  
SEE: CRP-6.175



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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	C = CAP AND SEAL	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
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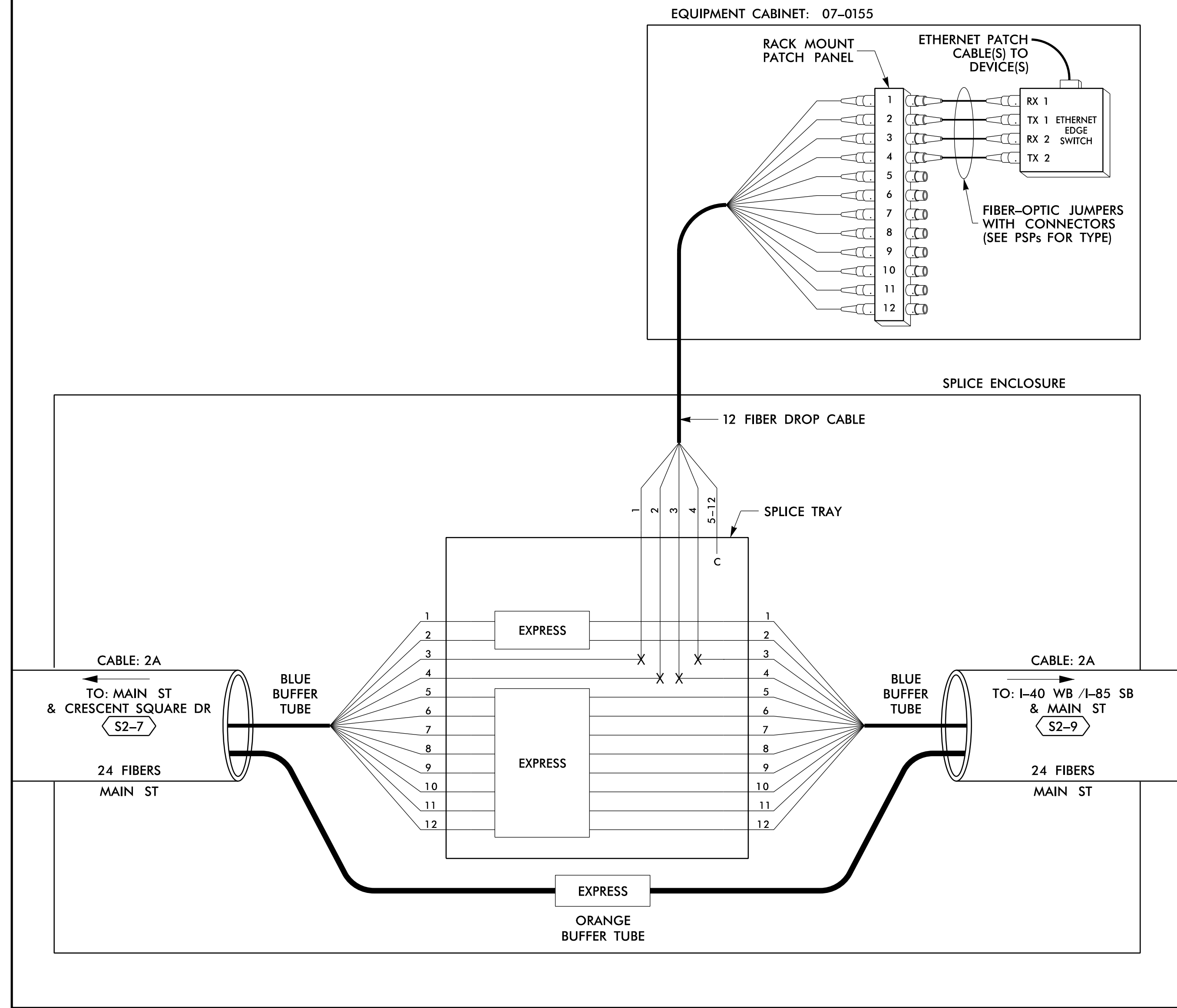
<p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>Burlington-Graham Signal System Fiber-Optic Splicing Details</p>										
	<p>Division 7 Alamance County</p>	<p>Burlington &amp; Graham</p>									
	<p>PLAN DATE: June 2018</p>	<p>REVIEWED BY: HA BADGETT</p>									
	<p>PREPARED BY: BJ SLOCUM</p>	<p>REVIEWED BY: DL JONES</p>									
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REVISIONS	INIT.	DATE									



**SPLICE NO.**

**S2-8**

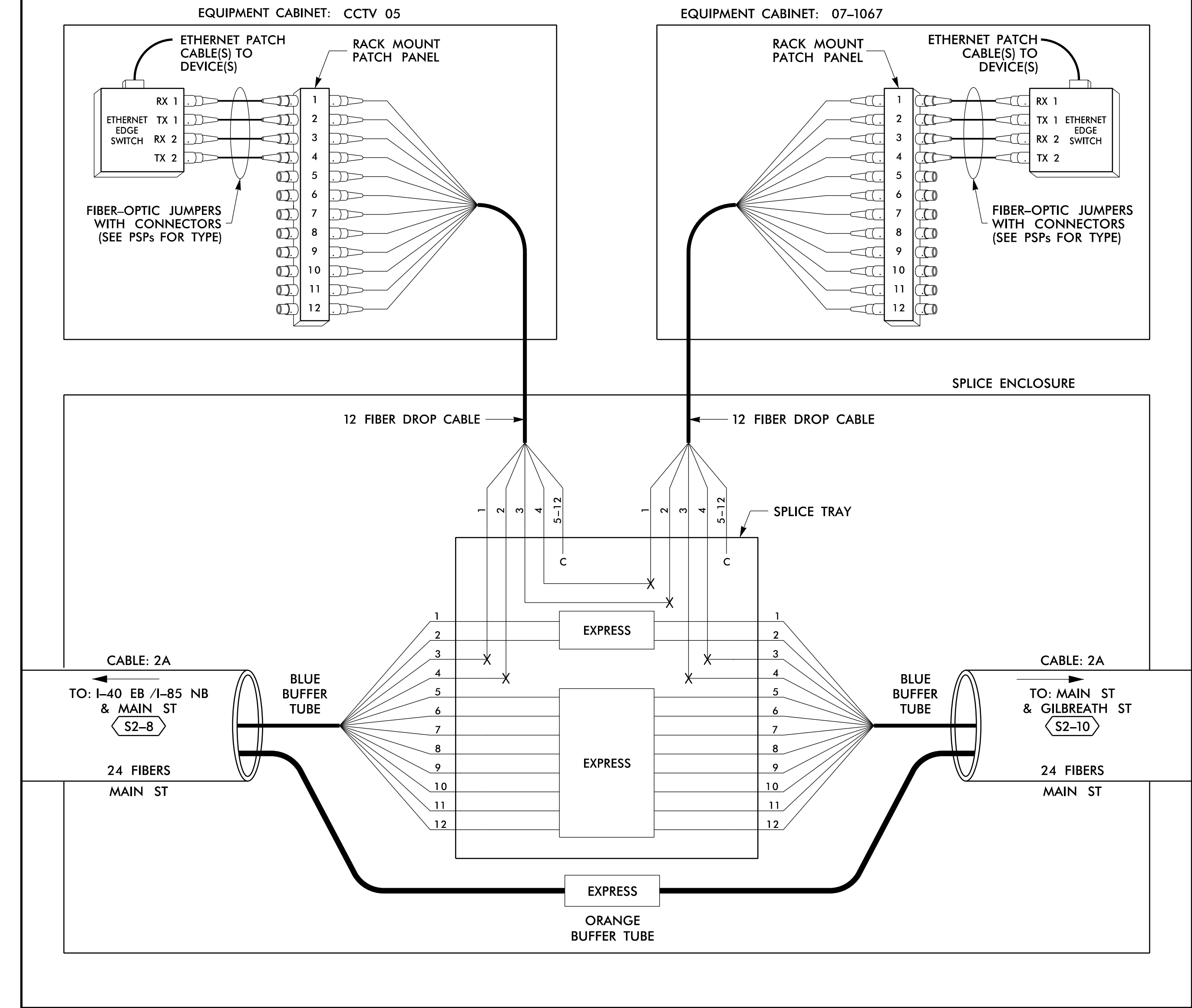
I-40 EB /I-85 NB & MAIN ST  
SEE: CRP-6.176



**SPLICE NO.**

**S2-9**

I-40 WB /I-85 SB & MAIN ST  
SEE: CRP-6.176



14 JUN 2018 12:10  
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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

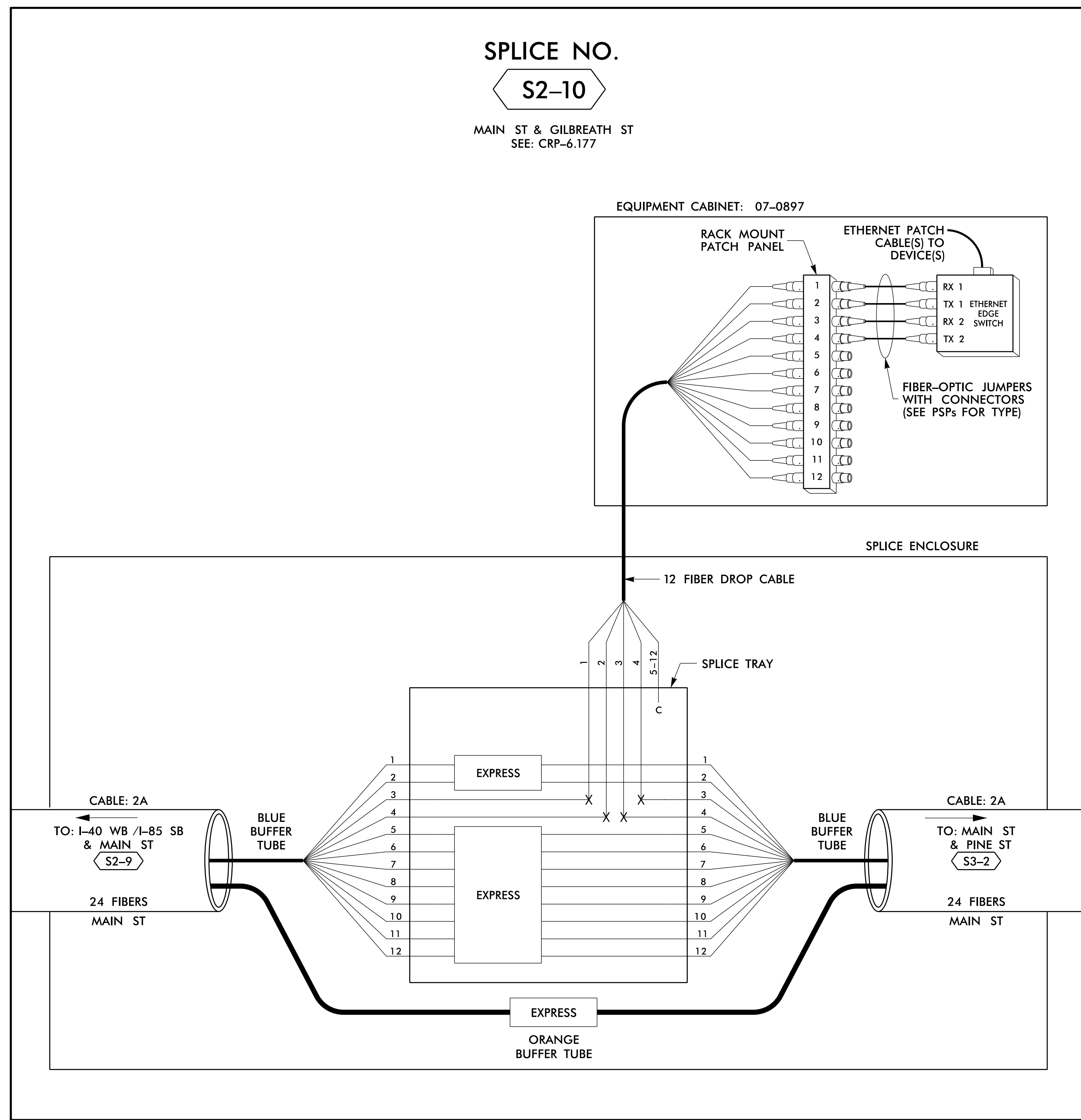
	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details			
	Division 7	Alamance County		Burlington & Graham
	PLAN DATE: June 2018	REVIEWED BY: HA BADGETT		
	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES		
750 Greenfield Parkway, Garner, NC 27529		SCALE: N/A		
REVISIONS INIT. DATE		DATE		



**SPLICE NO.**

**S2-10**

MAIN ST & GILBREATH ST  
SEE: CRP-6.177



14 JUN 2018 12:11  
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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPlice
(4) BROWN	(10) VIOLET	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE	EXISTING
(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

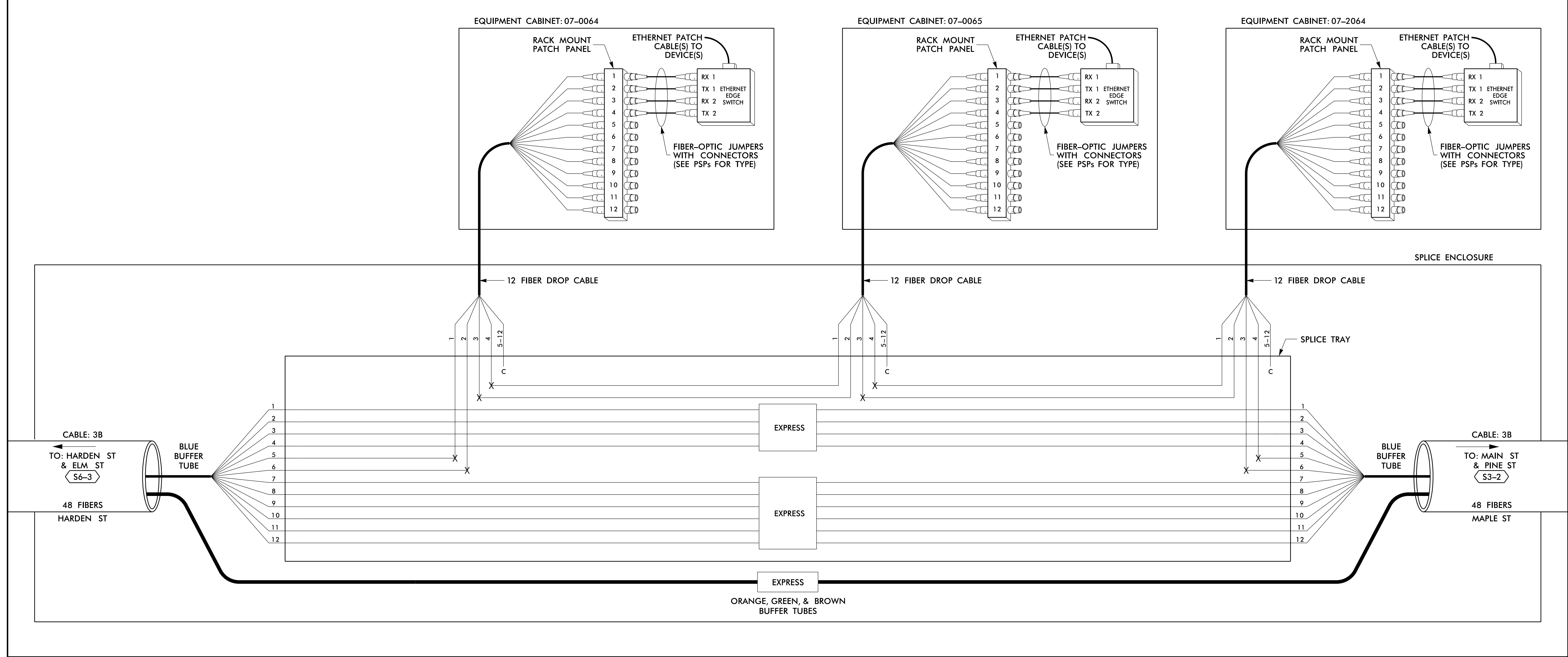
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Prepared for the Offices of: 750 Greenfield Parkway, Garner, NC 27529	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
SCALE N/A	SCALE		CADD File name: FS 4.017.dgn

**SPLICE NO.**  
**S3-1**

HARDEN ST & MAPLE ST  
SEE: CRP-6.101



**LEGEND**

X = FUSION SPLICE INDIVIDUAL FIBER	
C = CAP AND SEAL	
EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

- NOTES**
1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
  2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
  3. EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

14 JUN 2018 12:11  
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**ATKINS**

750 Greenfield Parkway, Garner, NC 27529

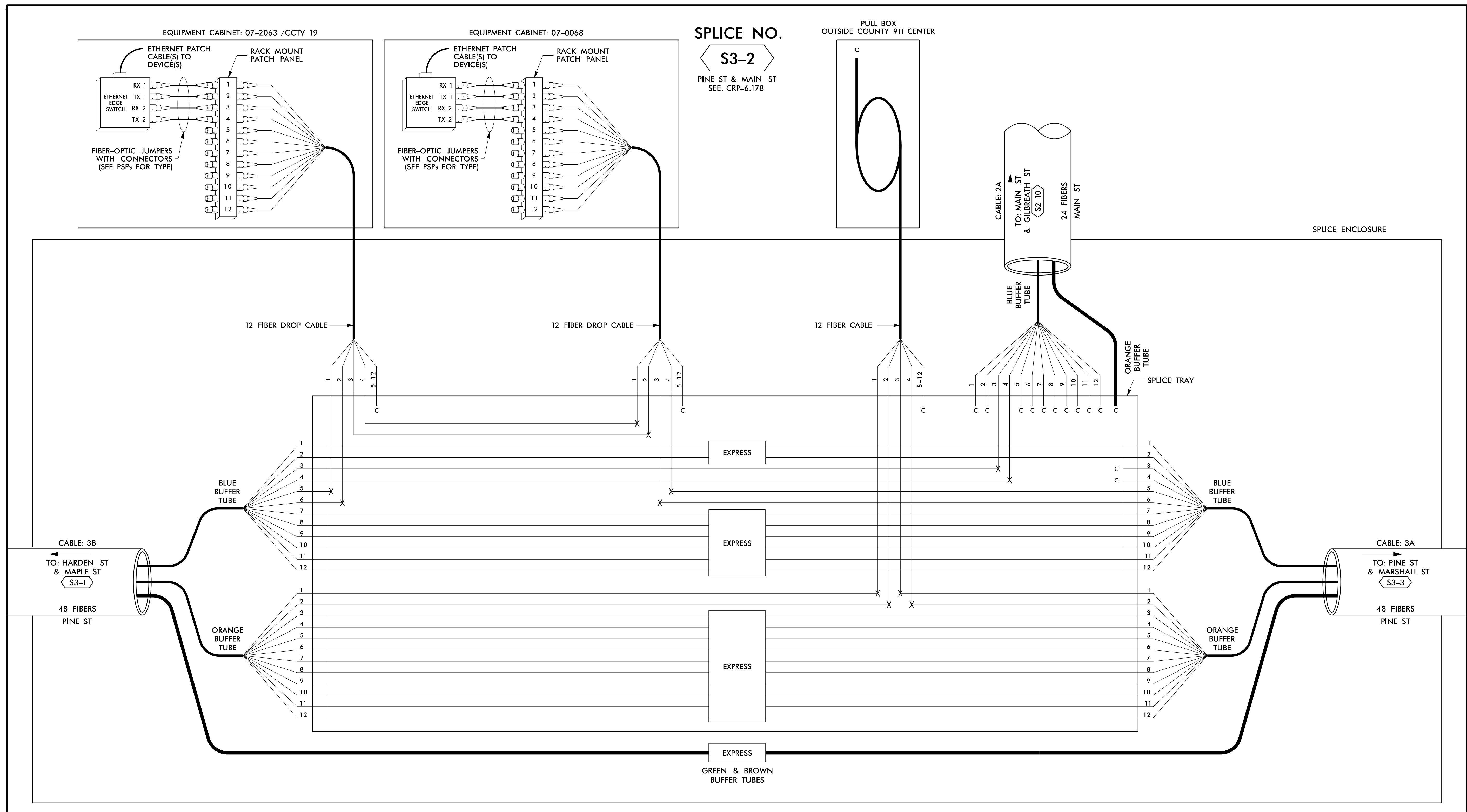
1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBES #F-0326

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

Prepared for the Offices of:  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
<b>Burlington-Graham Signal System Fiber-Optic Splicing Details</b>	
Division 7 Alamance County Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT
PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES
REVISIONS      INIT.      DATE	
SCALE: N/A	

BRADFORD J. SLOCUM  
 ENGINEER  
 License No. 040877  
 State of North Carolina  
 Date: 15/2018

CADD File name: FS\_4.018.dgn



**SPLICE NO.**  
**S3-2**  
 PINE ST & MAIN ST  
 SEE: CRP-6.178

**LEGEND**

<table border="0"> <tr> <td>(1) BLUE</td> <td>(7) RED</td> </tr> <tr> <td>(2) ORANGE</td> <td>(8) BLACK</td> </tr> <tr> <td>(3) GREEN</td> <td>(9) YELLOW</td> </tr> <tr> <td>(4) BROWN</td> <td>(10) VIOLET</td> </tr> <tr> <td>(5) SLATE</td> <td>(11) ROSE</td> </tr> <tr> <td>(6) WHITE</td> <td>(12) AQUA</td> </tr> </table>	(1) BLUE	(7) RED	(2) ORANGE	(8) BLACK	(3) GREEN	(9) YELLOW	(4) BROWN	(10) VIOLET	(5) SLATE	(11) ROSE	(6) WHITE	(12) AQUA	<p>X = FUSION SPLICE INDIVIDUAL FIBER                  C = CAP AND SEAL</p> <p><b>EXPRESS</b>      EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING</p> <p><b>BUFFER SPLICE</b>      SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR</p> <p><b>EXISTING</b>      EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.</p>
(1) BLUE	(7) RED												
(2) ORANGE	(8) BLACK												
(3) GREEN	(9) YELLOW												
(4) BROWN	(10) VIOLET												
(5) SLATE	(11) ROSE												
(6) WHITE	(12) AQUA												

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

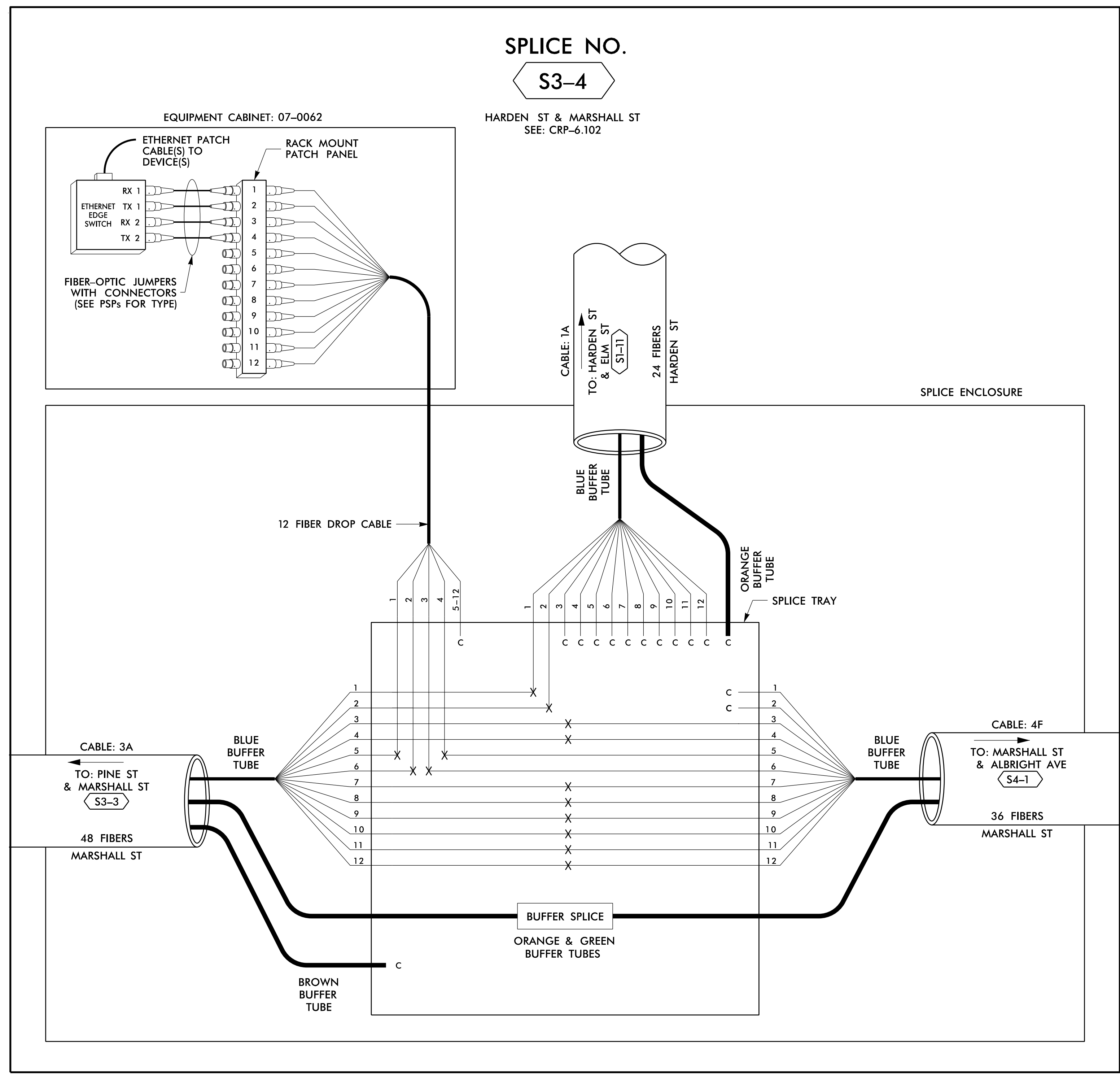
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER 15/2018 DATE
Burlington-Graham Signal System Fiber-Optic Splicing Details Division 7 Alamance County Burlington & Graham		
PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	REVISIONS INIT. DATE
SCALE: N/A		CAD FILE NAME: FS 4.019.dgn

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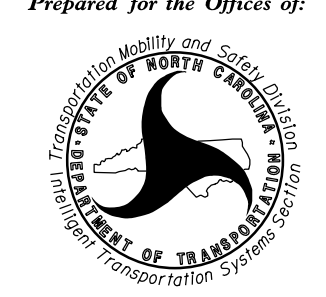
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COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = FUSION SPlice INDIVIDUAL FIBER THROUGH WITHOUT CUTTING	EXPRESS
(2) ORANGE	(8) BLACK	C = CAP AND SEAL	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW		BUFFER SPlice
(4) BROWN	(10) VIOLET		SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE		EXISTING
(6) WHITE	(12) AQUA		EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS**  
1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEs #F-0326

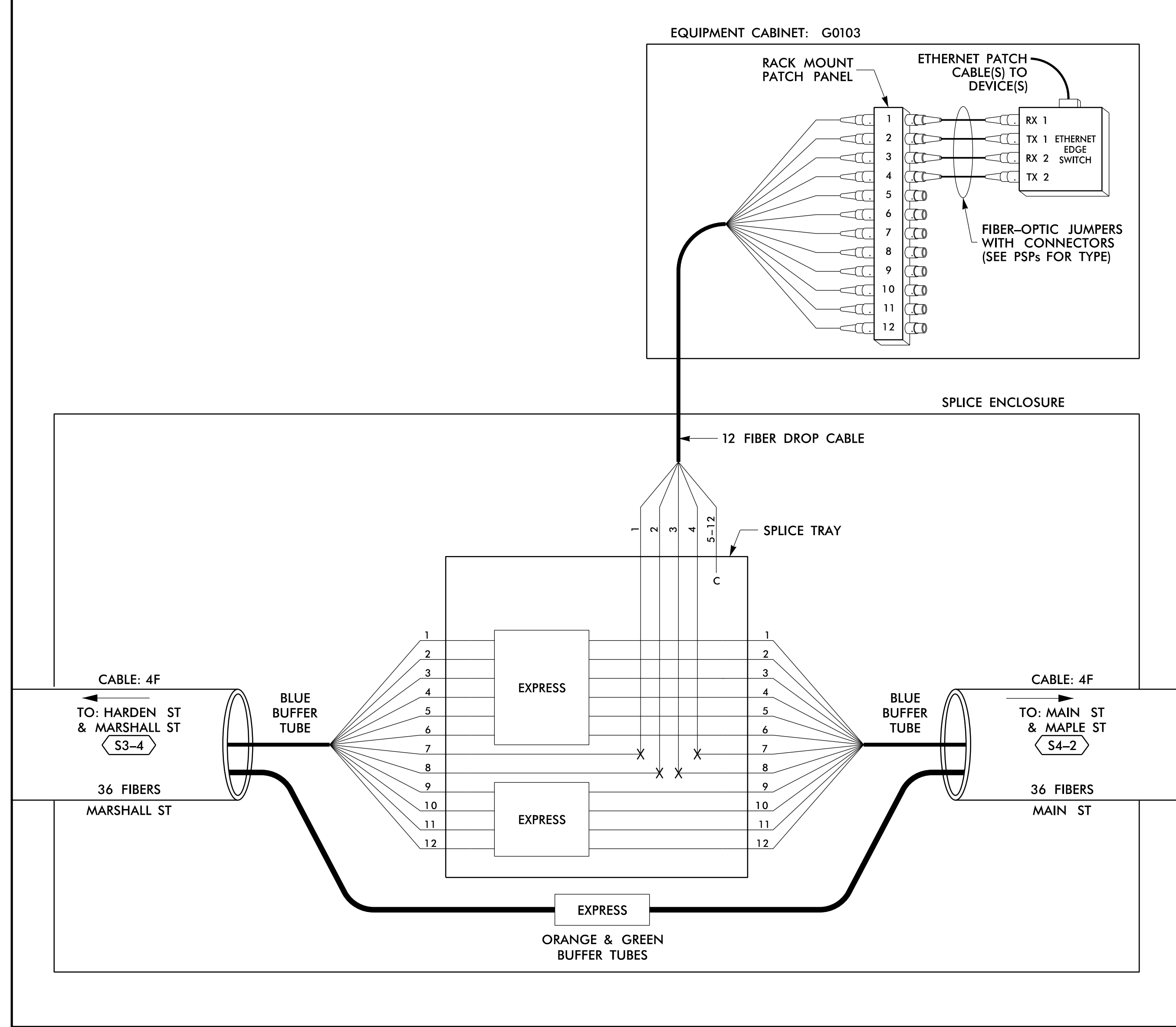
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Prepared for the Offices of:  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER 15/2018 DATE	
<b>Burlington-Graham Signal System</b> <b>Fiber-Optic Splicing Details</b>			
Division 7 Alamance County Burlington & Graham		REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM		REVISIONS INIT. DATE	
SCALE N/A			
CAD00 File name: FS 4.021.dgn			

**SPLICE NO.**

**S4-1**

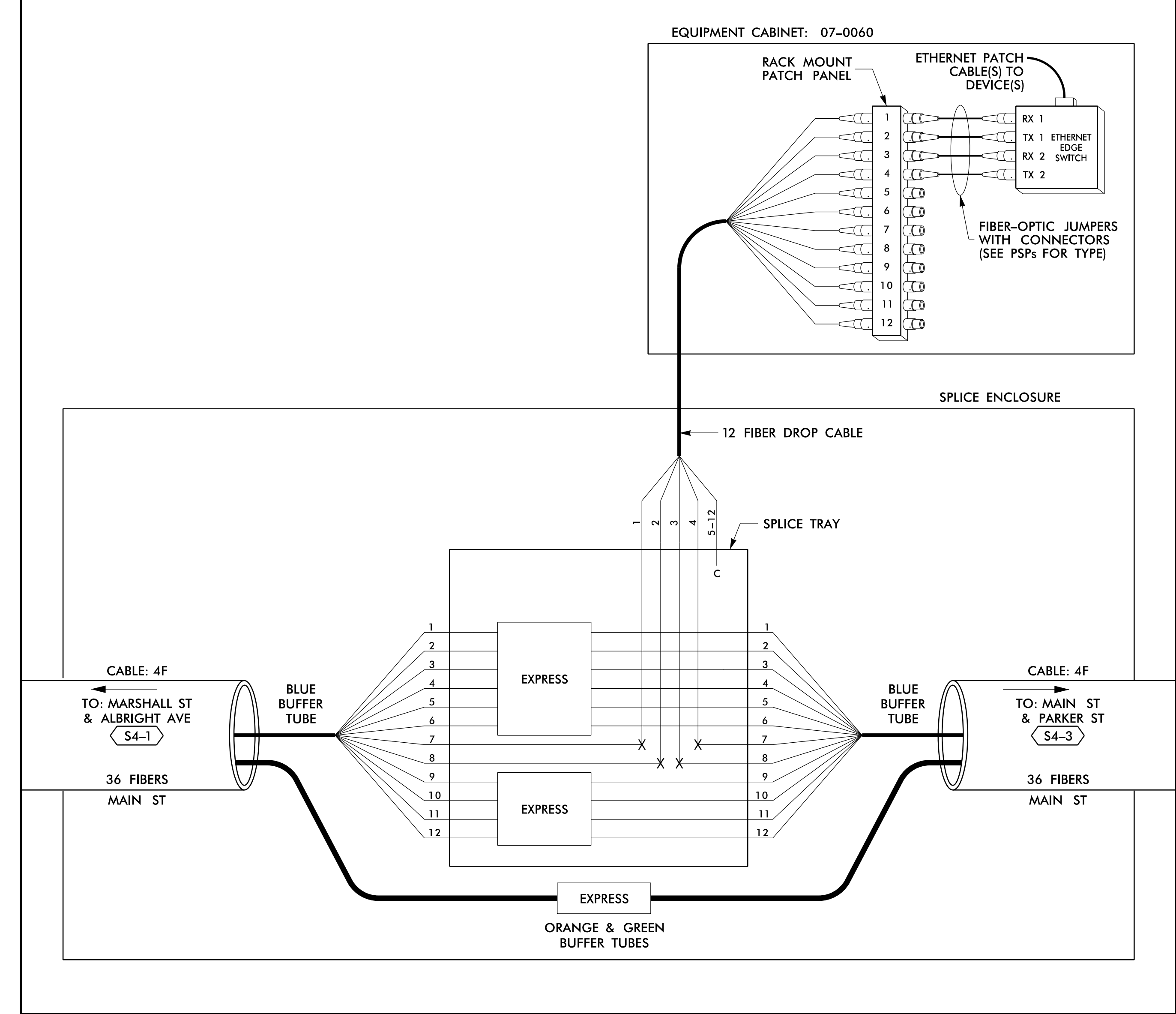
MARSHALL ST & ALBRIGHT AVE  
SEE: CRP-6.181



**SPLICE NO.**

**S4-2**

MAIN ST & MAPLE ST  
SEE: CRP-6.182



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**LEGEND**

COLOR CODE		X = FUSION SPlice INDIVIDUAL FIBER	
1) BLUE	7) RED	EXPRESS	
2) ORANGE	8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING	
3) GREEN	9) YELLOW	C = CAP AND SEAL	
4) BROWN	10) VIOLET	BUFFER SPlice	
5) SLATE	11) ROSE	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR	
6) WHITE	12) AQUA	EXISTING	
		EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.	

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
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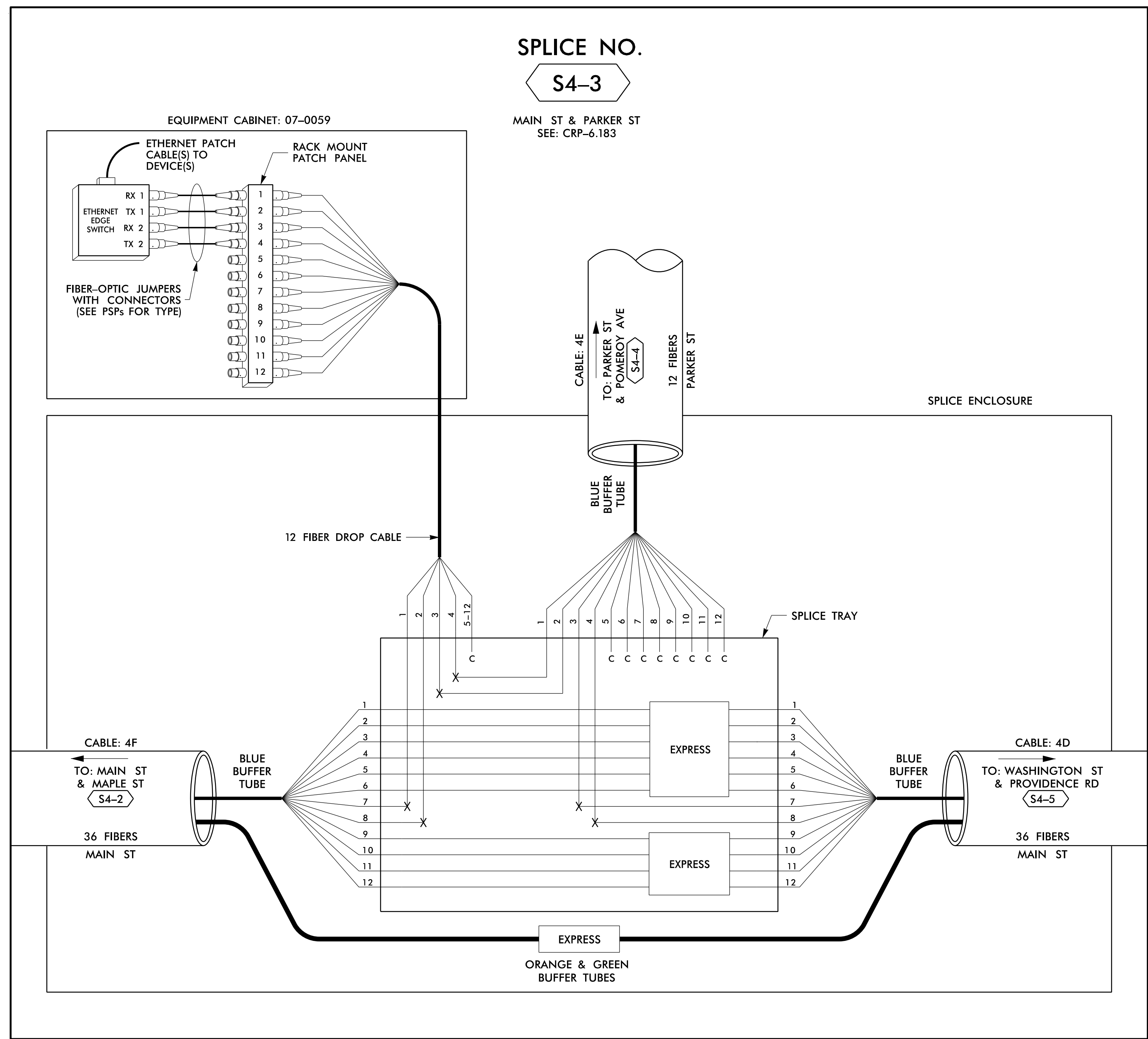
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

	Burlington-Graham Signal System Fiber-Optic Splicing Details			
	Division 7 Alamance County	Burlington & Graham		
	PLAN DATE: June 2018	REVIEWED BY: HA BADGETT		
	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES		
REVISIONS		INIT.	DATE	
SCALE: N/A				

DATE: 15/2018  
DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_  
CADD File name: FS\_4.022.dgn





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COLOR CODE		LEGEND	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

X = FUSION SPlice INDIVIDUAL FIBER  
 C = CAP AND SEAL

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEs #F-0326

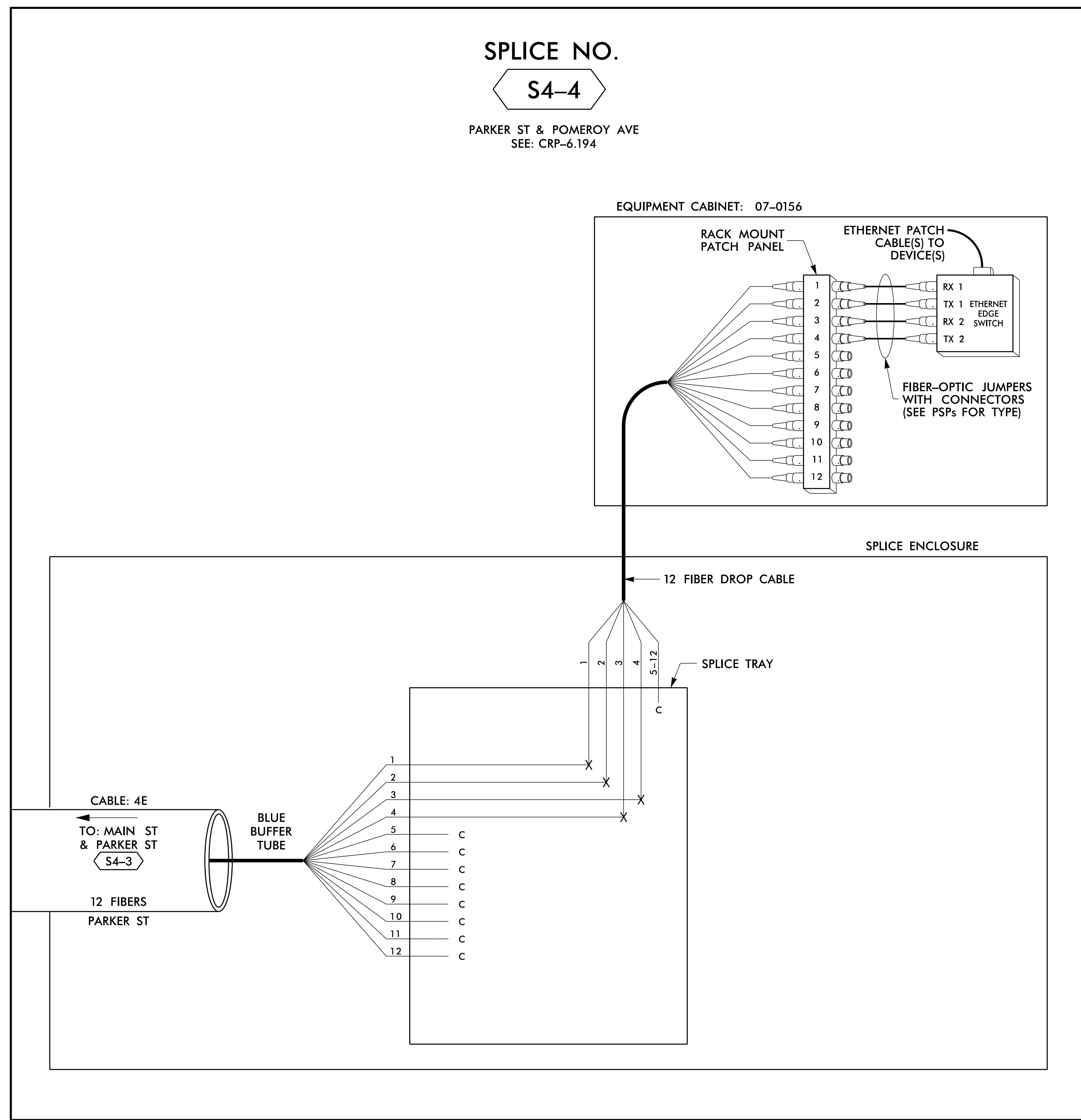
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

<p>750 Greenfield Parkway, Garner, NC 27529</p>	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER 15/2018 DATE
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
Division 7 Alamance County Burlington & Graham		PLAN DATE: June 2018 REVIEWED BY: HA BADGETT	
PREPARED BY: BJ SLOCUM REVIEWED BY: DL JONES		REVISIONS INIT. DATE	
SCALE: N/A		CADD File name: FS_4.023.dgn	

**SPLICE NO.**

**S4-4**

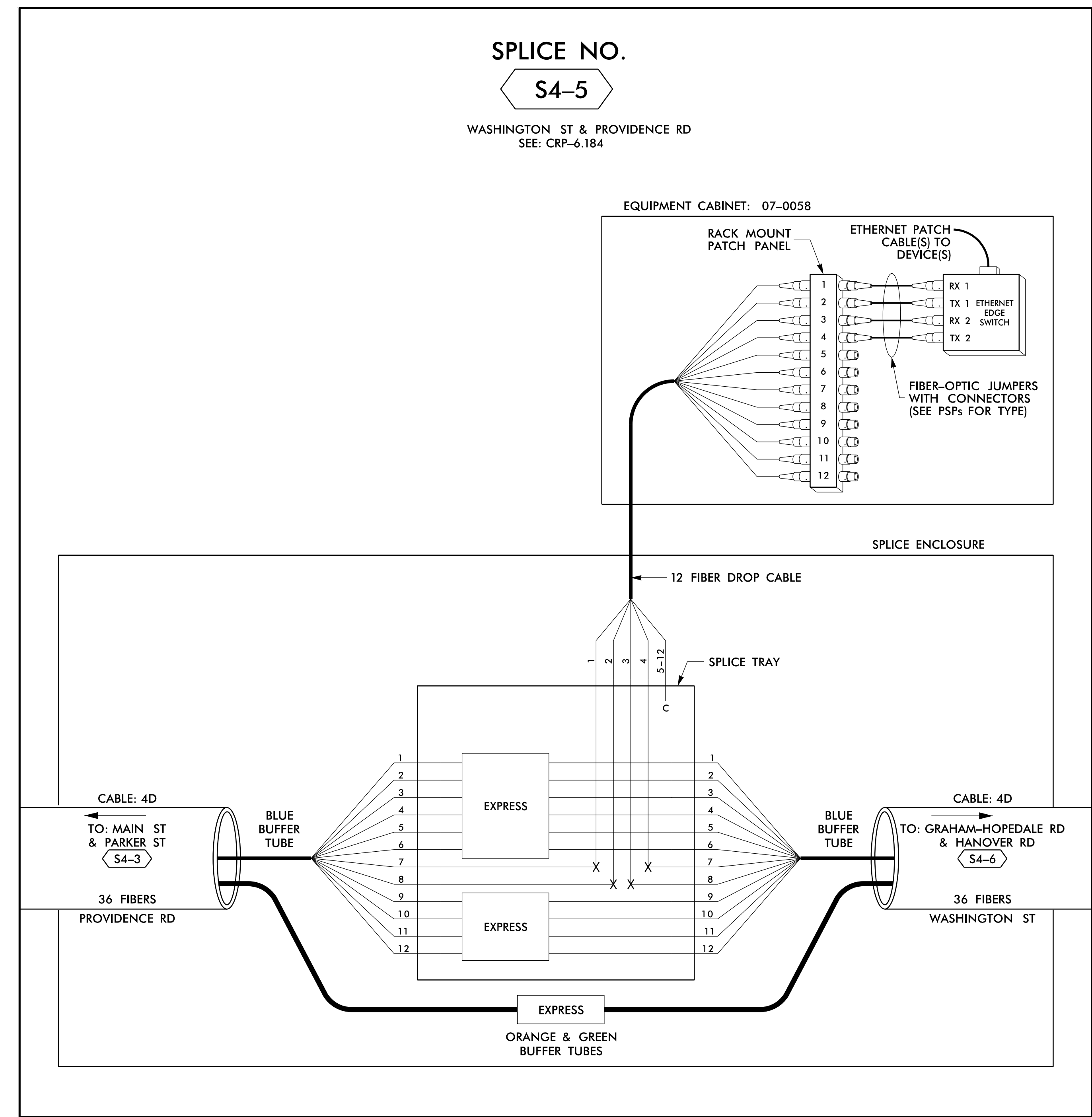
PARKER ST & POMEROY AVE  
SEE: CRP-6.194



**SPLICE NO.**

**S4-5**

WASHINGTON ST & PROVIDENCE RD  
SEE: CRP-6.184



14 JUN 2018 12:14  
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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPlice
(4) BROWN	(10) VIOLET	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE	EXISTING
(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

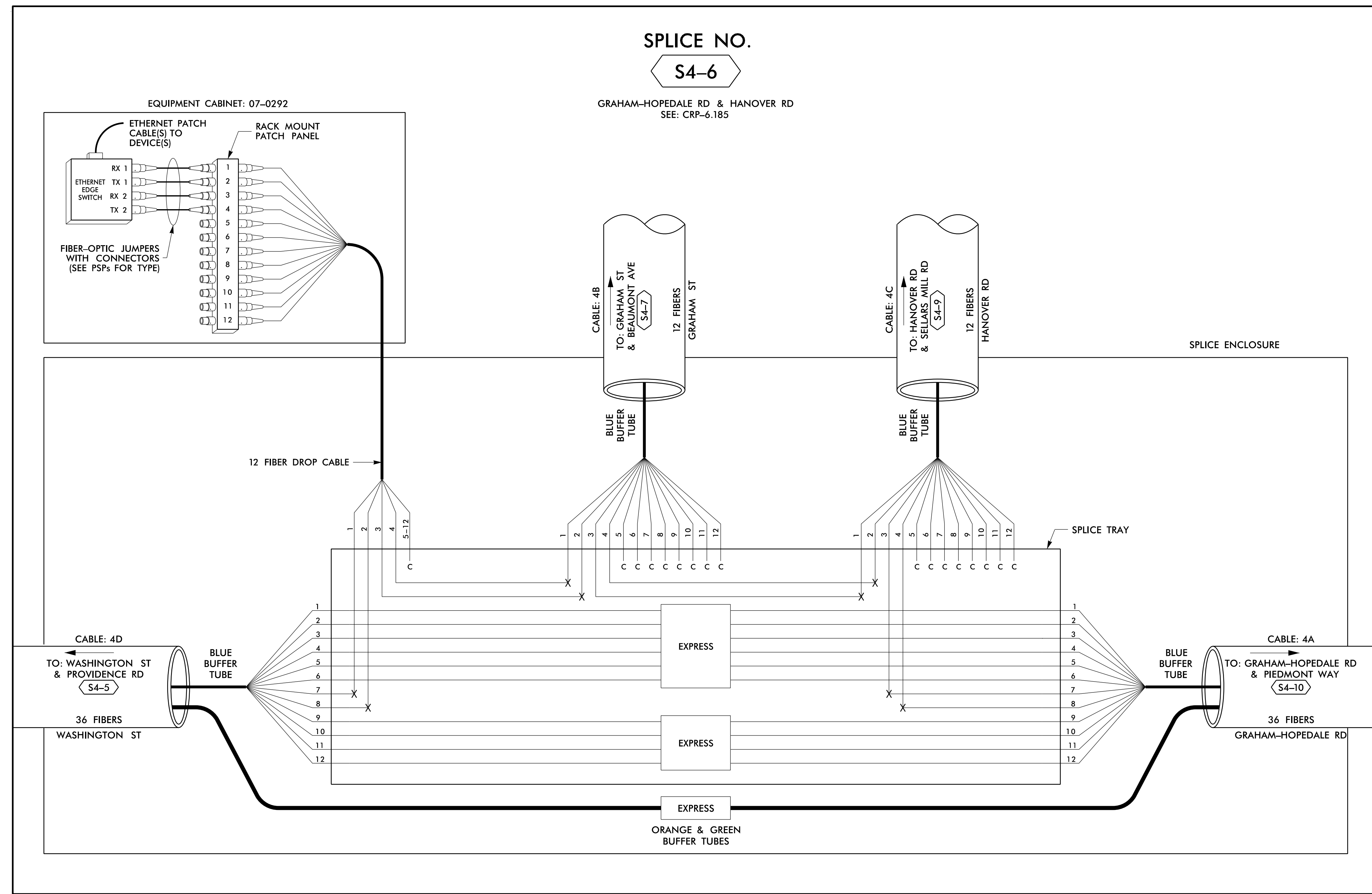
**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPlice TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPlice ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEs #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

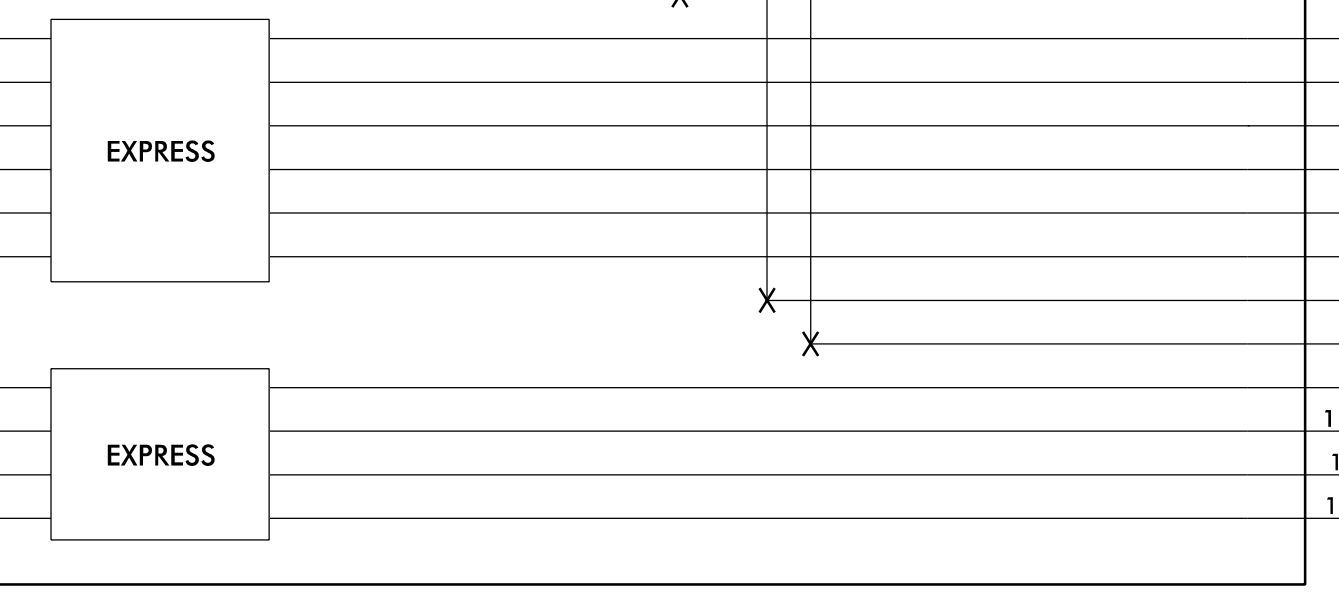
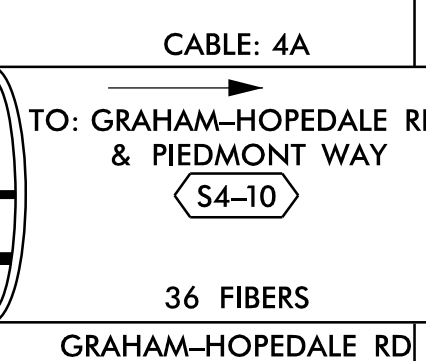
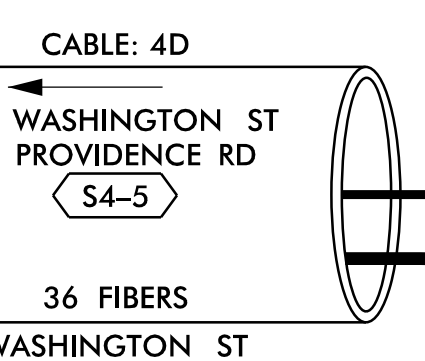
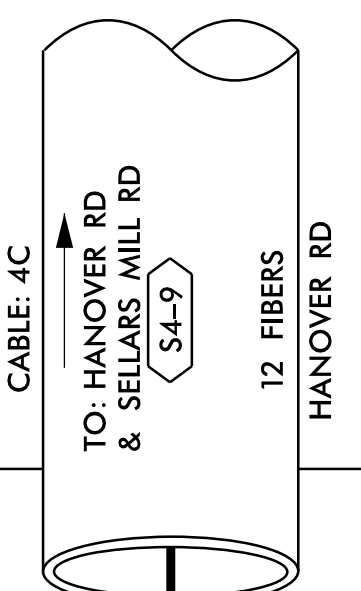
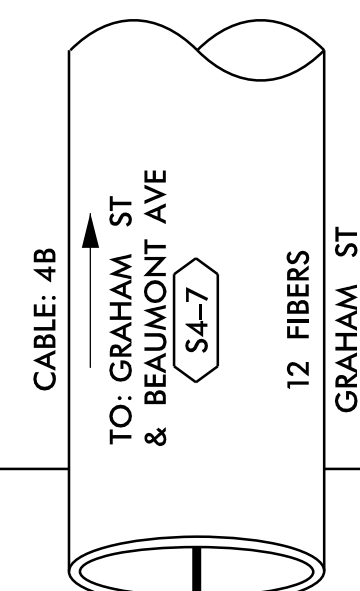
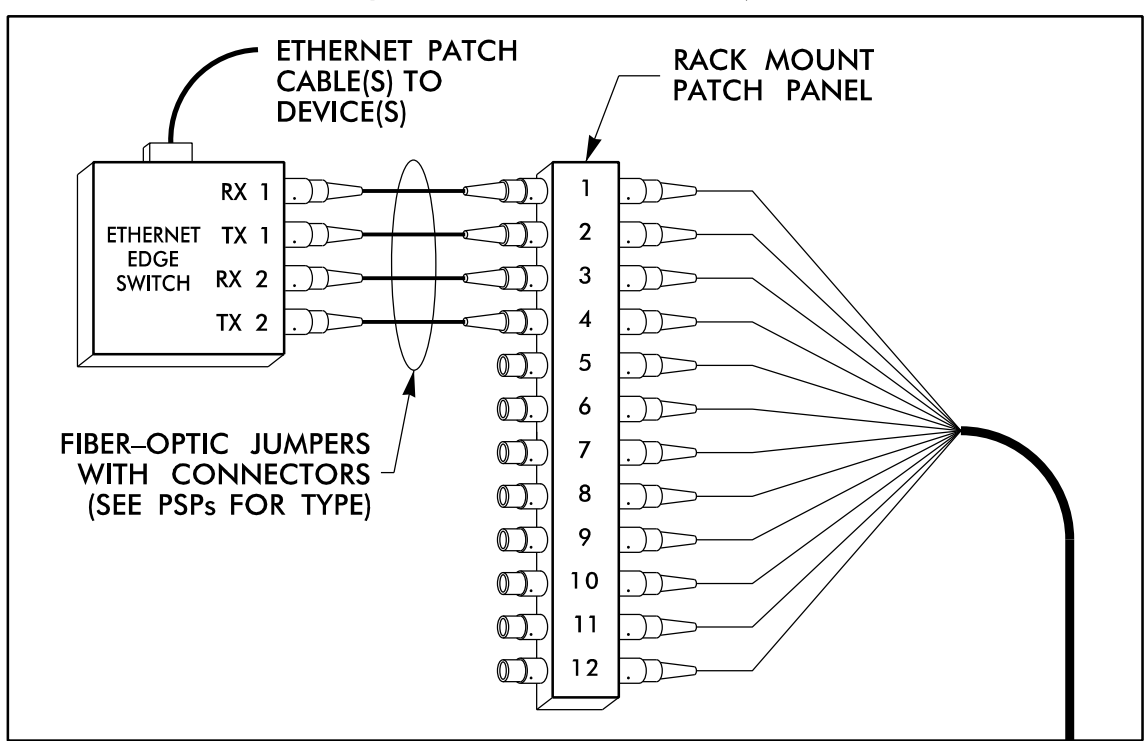
Prepared for the Offices of: 750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
REVISIONS:			DATE:



SPLICE NO.  
S4-6

GRAHAM-HOPEDALE RD & HANOVER RD  
SEE: CRP-6.185

EQUIPMENT CABINET: 07-0292



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	C = CAP AND SEAL	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE	(8) BLACK		EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(3) GREEN	(9) YELLOW			
(4) BROWN	(10) VIOLET			
(5) SLATE	(11) ROSE			
(6) WHITE	(12) AQUA			

**NOTES**

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- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Division 7		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER 15/2018
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	REVISIONS INIT. DATE

14 JUN 2018 12:15  
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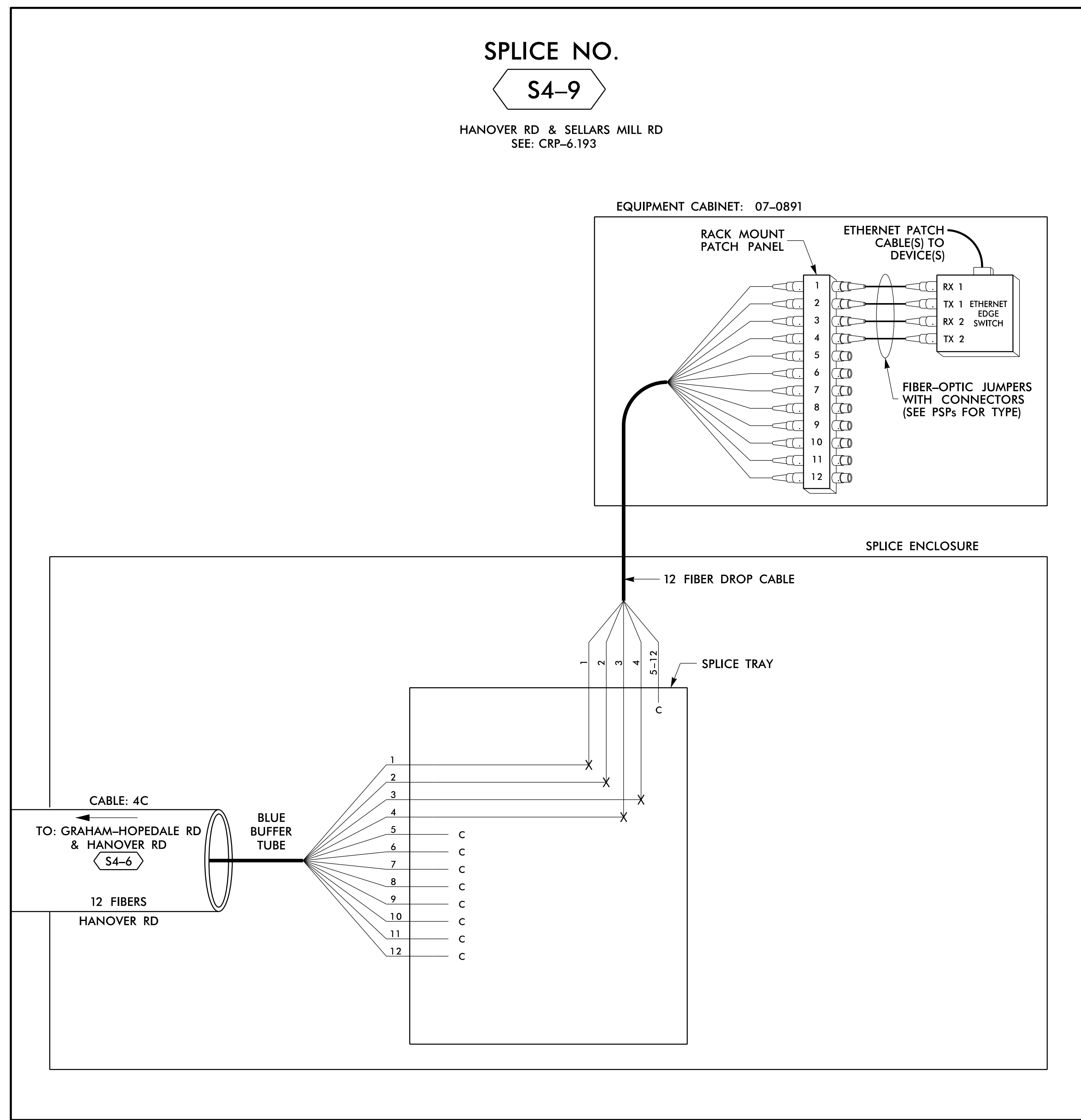




**SPLICE NO.**

**S4-9**

HANOVER RD & SELLARS MILL RD  
SEE: CRP-6.193



14 JUN 2018 12:16  
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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING	
(2) ORANGE	(8) BLACK	C = CAP AND SEAL	
(3) GREEN	(9) YELLOW	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING	
(4) BROWN	(10) VIOLET	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR	
(5) SLATE	(11) ROSE	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.	
(6) WHITE	(12) AQUA		

**NOTES**

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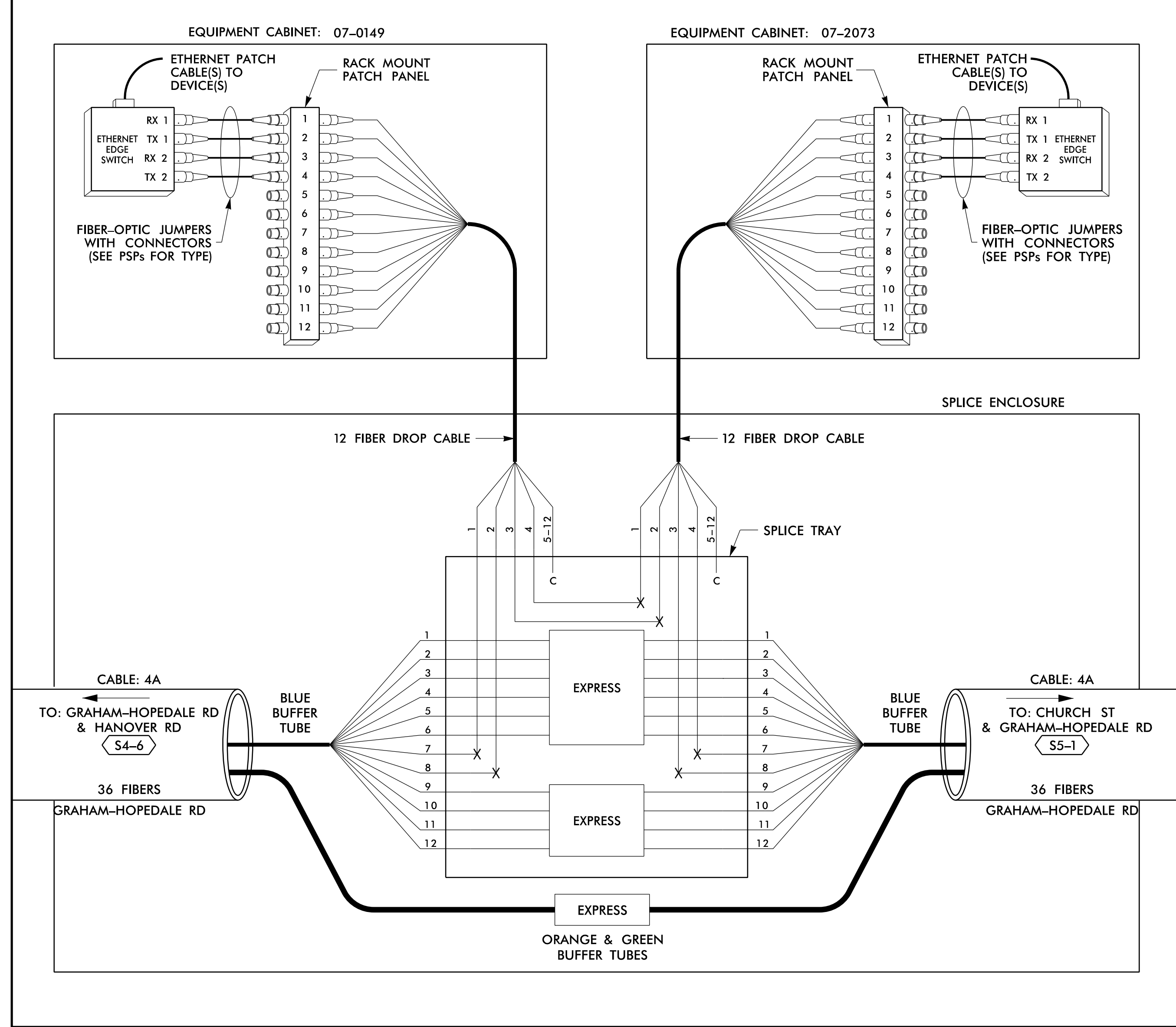
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

<p>Prepared for the Offices of:                  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION                  Division 7                  750 Greenfield Parkway, Garner, NC 27529</p>	Burlington-Graham Signal System Fiber-Optic Splicing Details		
	Division 7 Alamance County Burlington & Graham	PLAN DATE: June 2018 REVIEWED BY: HA BADGETT PREPARED BY: BJ SLOCUM REVIEWED BY: DL JONES	
SCALE N/A	REVISIONS	INIT. DATE	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE CADW File name: FS 4.027.dgn

**SPLICE NO.**  
**S4-10**

GRAHAM-HOPEDALE RD & PIEDMONT WAY  
SEE: CRP-6.187



**LEGEND**


COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

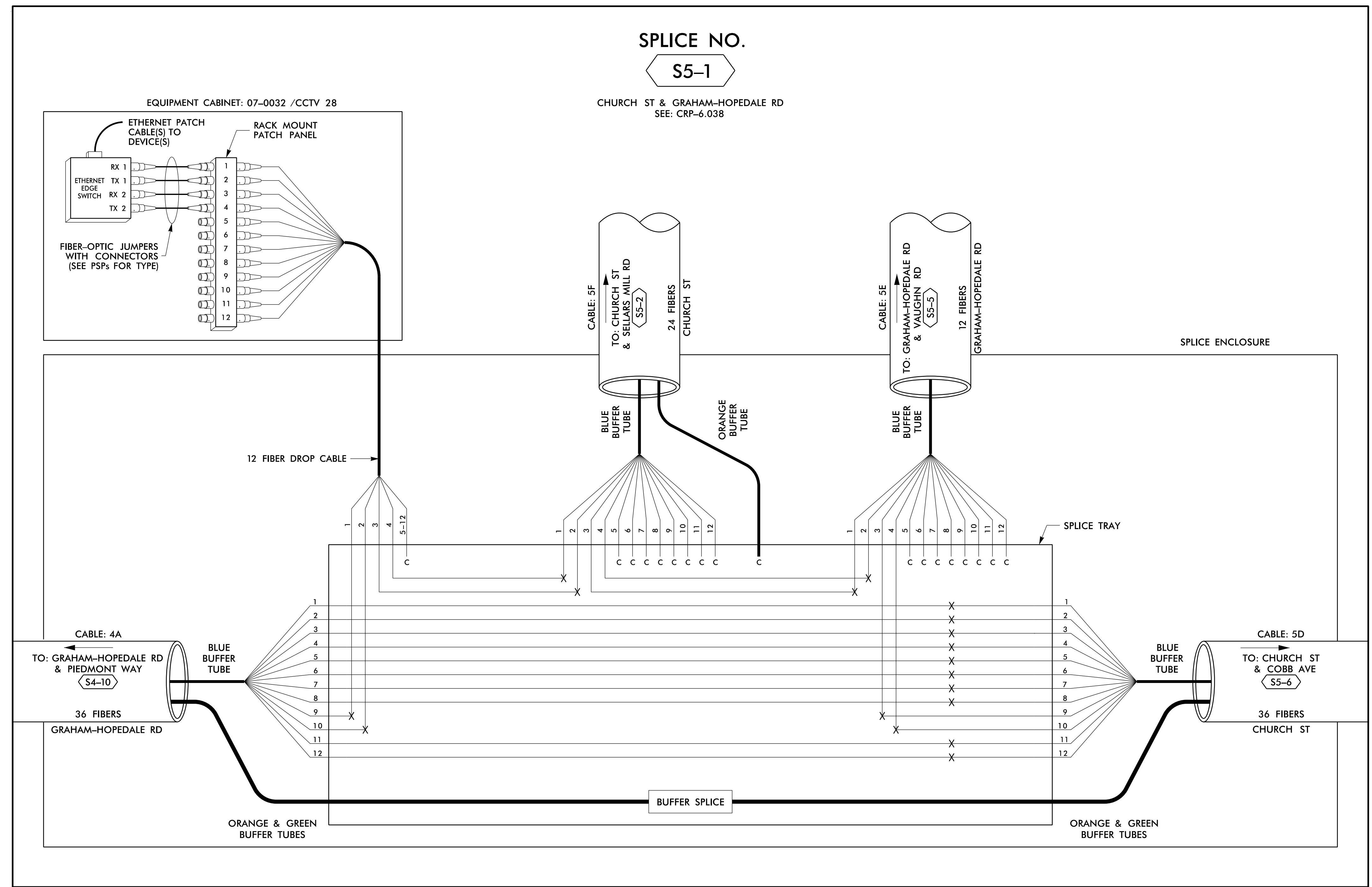
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

 Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Transportation Systems	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER Bradford J. Slocum
	Division 7 PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Alamance County REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	DATE: _____ DATE: _____ DATE: _____		CAD00 File name: FS 4.028.dgn

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 SLOCUM AT LUS355433

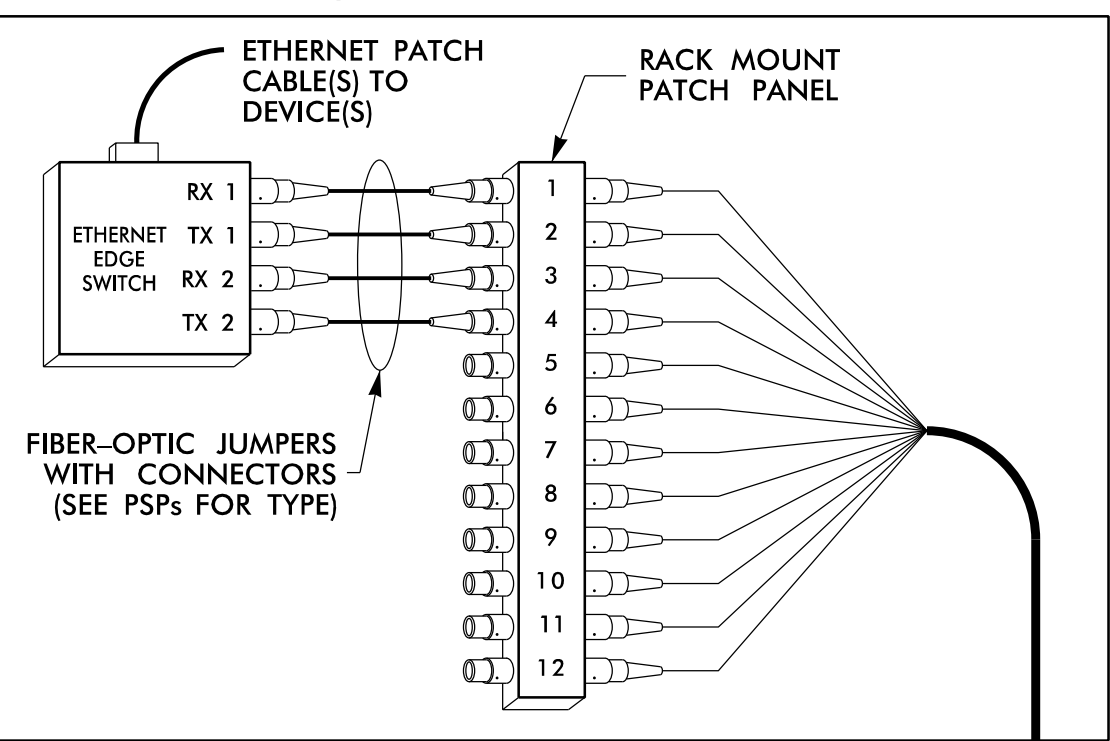




**SPLICE NO.**  
**S5-1**

CHURCH ST & GRAHAM-HOPEDALE RD  
 SEE: CRP-6.038

EQUIPMENT CABINET: 07-0032 /CCTV 28



14 JUN 2018 12:16  
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COLOR CODE		LEGEND	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

- NOTES**
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

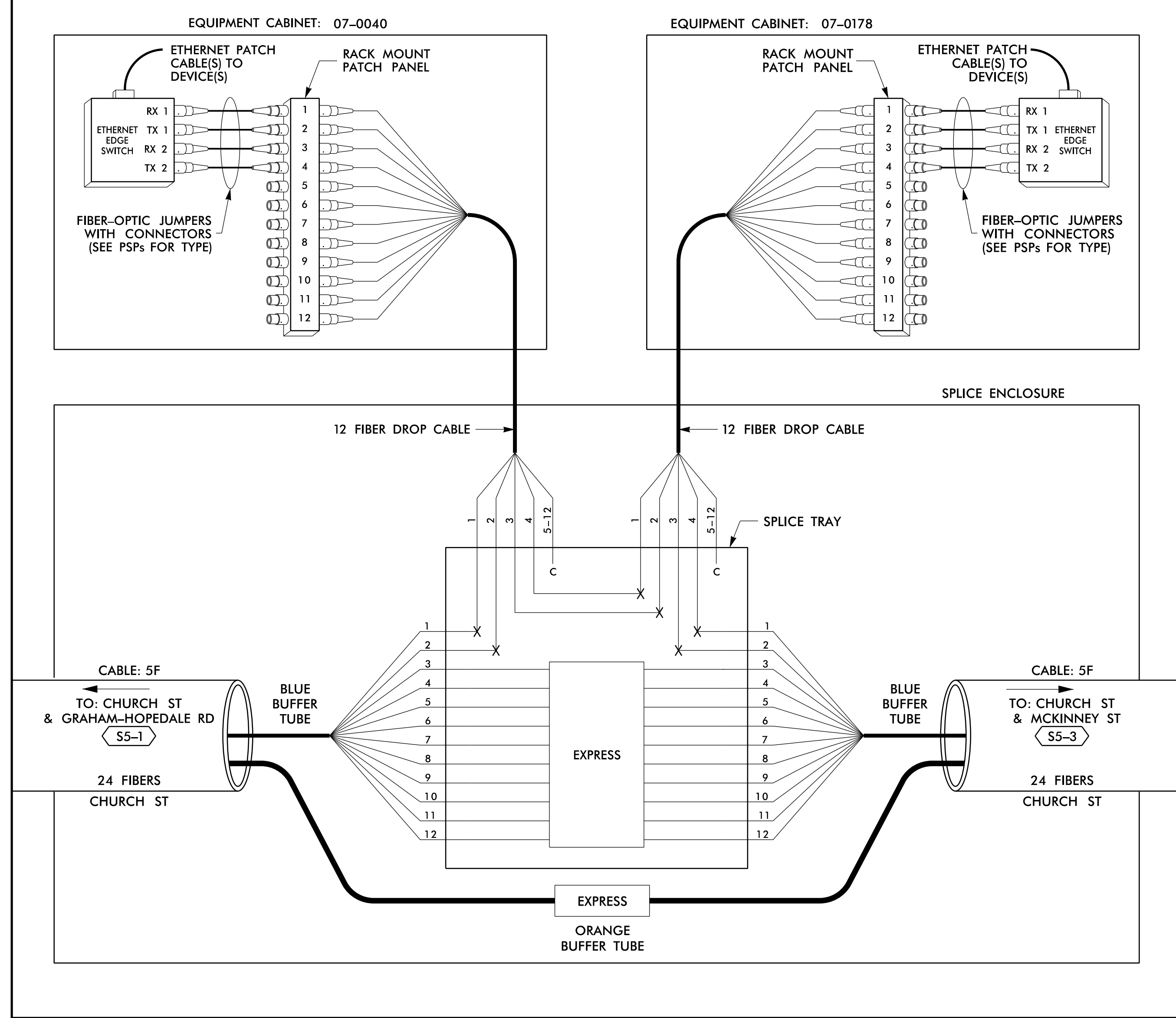
DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Division 7 Alameda County Burlington & Graham		
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE

**SPLICE NO.**

**S5-2**

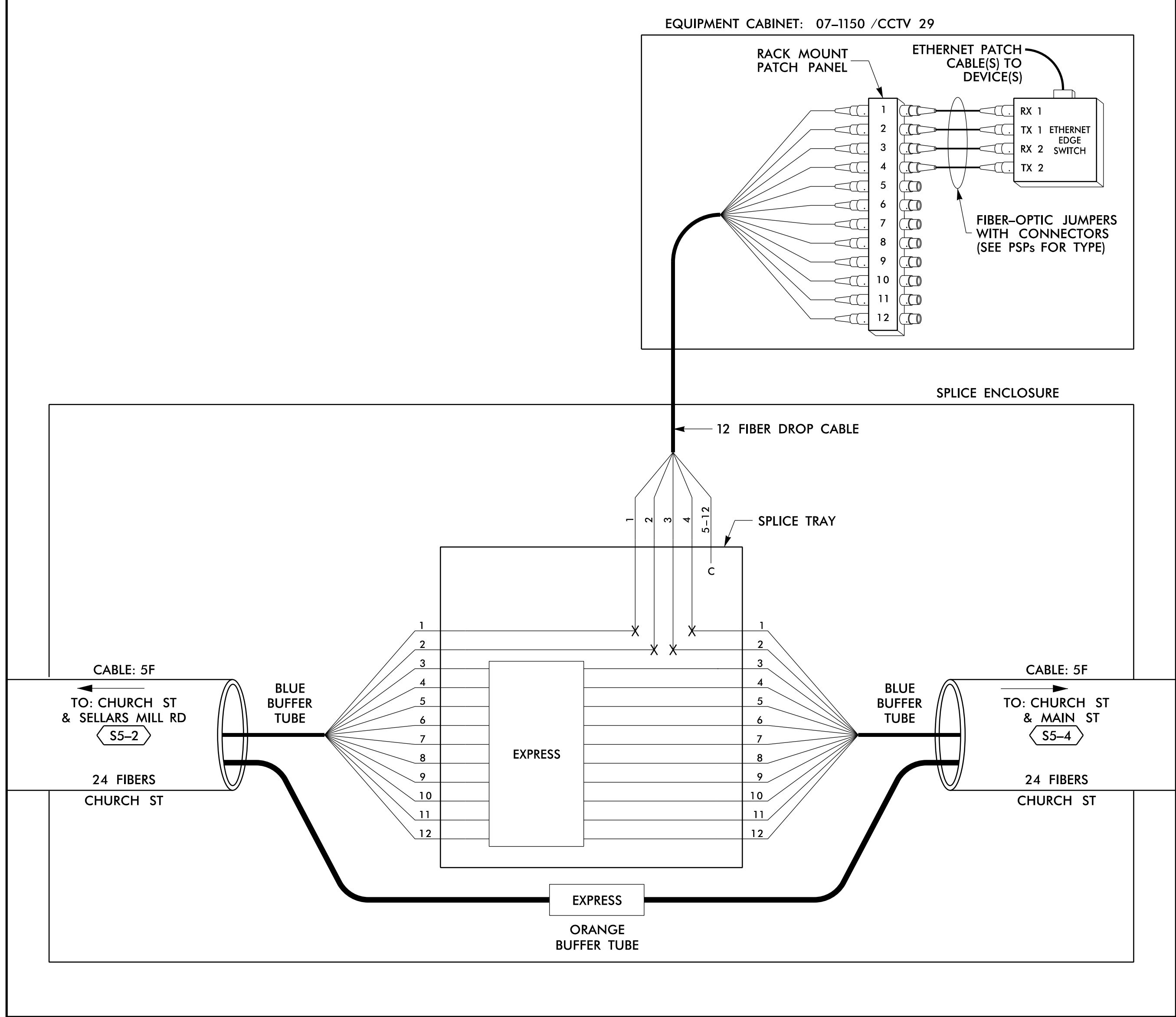
CHURCH ST & SELLARS MILL RD  
SEE: CRP-6.039



**SPLICE NO.**

**S5-3**

CHURCH ST & MCKINNEY ST  
SEE: CRP-6.042



14 JUN 2018 12:17  
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 SLOJCS653 AT LUS355433

**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

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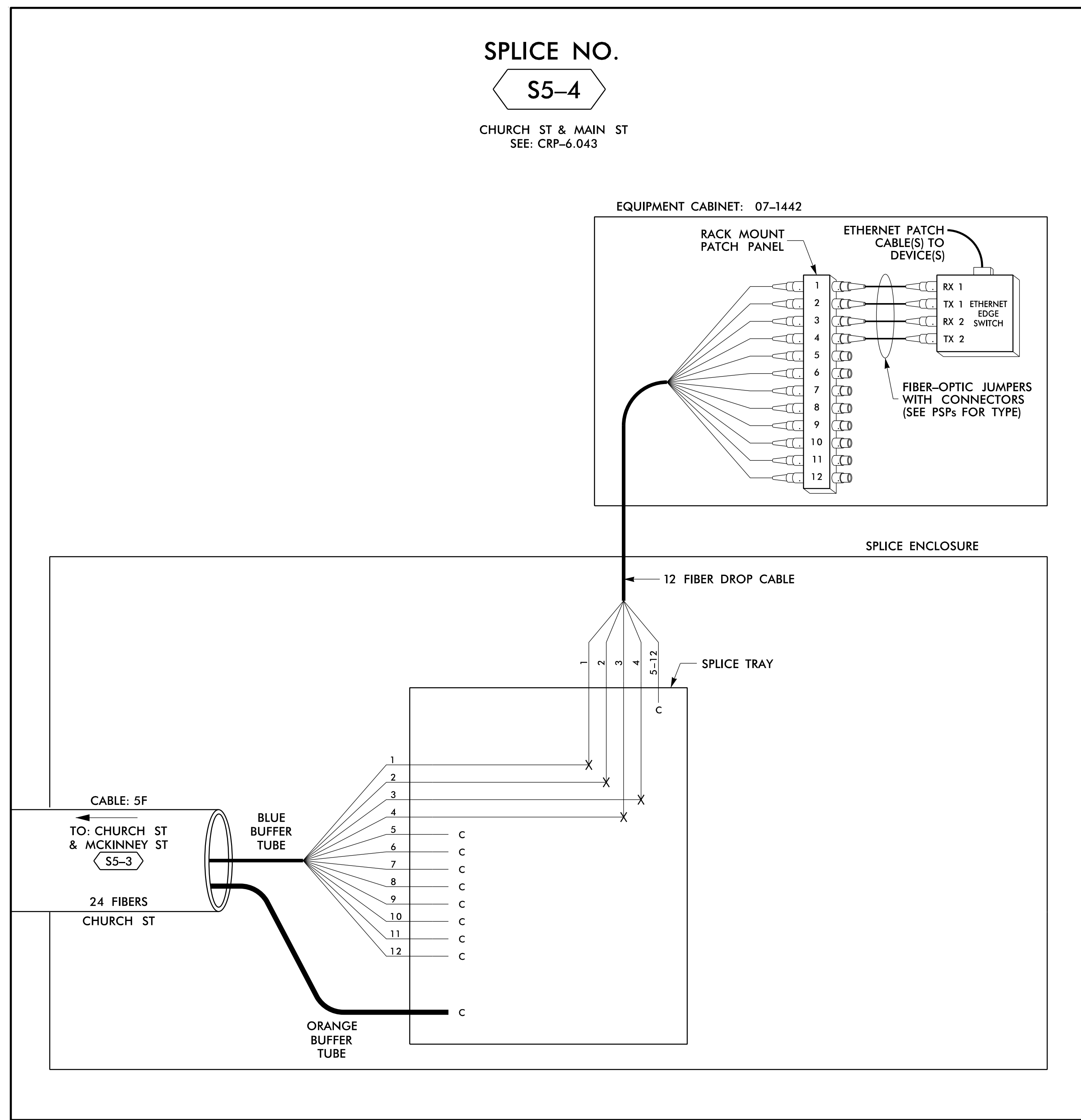
	Prepared for the Offices of: <b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	

DATE: 6/15/2018  
CADD File name: FS 4.030.dgn

**SPLICE NO.**

**S5-4**

CHURCH ST & MAIN ST  
SEE: CRP-6.043



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 SLODC363 AT LUS355433

**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		
		C =	CAP AND SEAL

**NOTES**

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RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

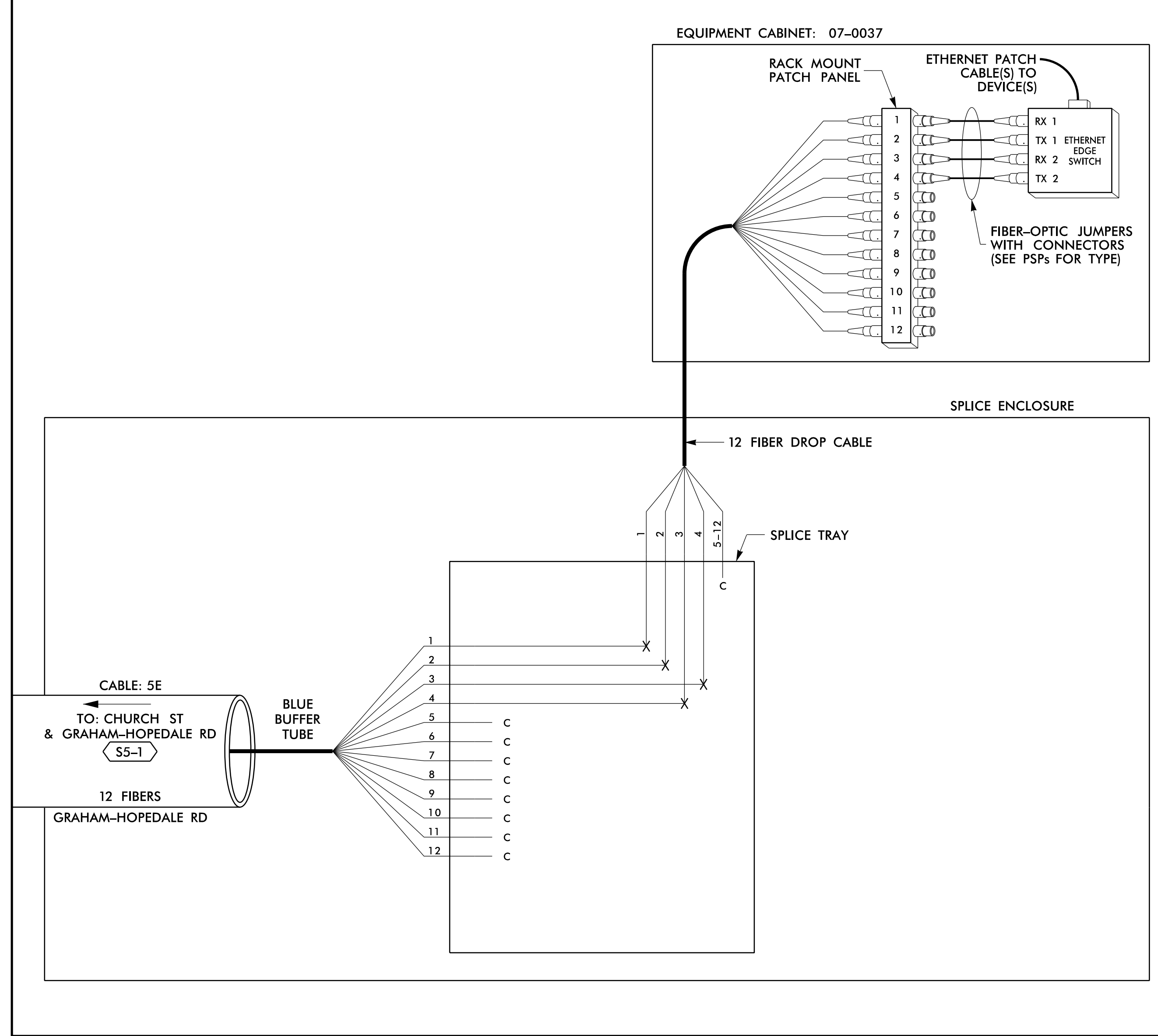
<p>Prepared for the Offices of:                  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION                  Transportation Systems</p>	Burlington-Graham Signal System Fiber-Optic Splicing Details		
	Division 7 Alamance County Burlington & Graham		
PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES		
SCALE: N/A	REVISIONS	INIT.	DATE

DocuSign  
 Bradford J. Slocum  
 15/2018  
 DATE  
 CADD File name: FS\_4.031.dgn



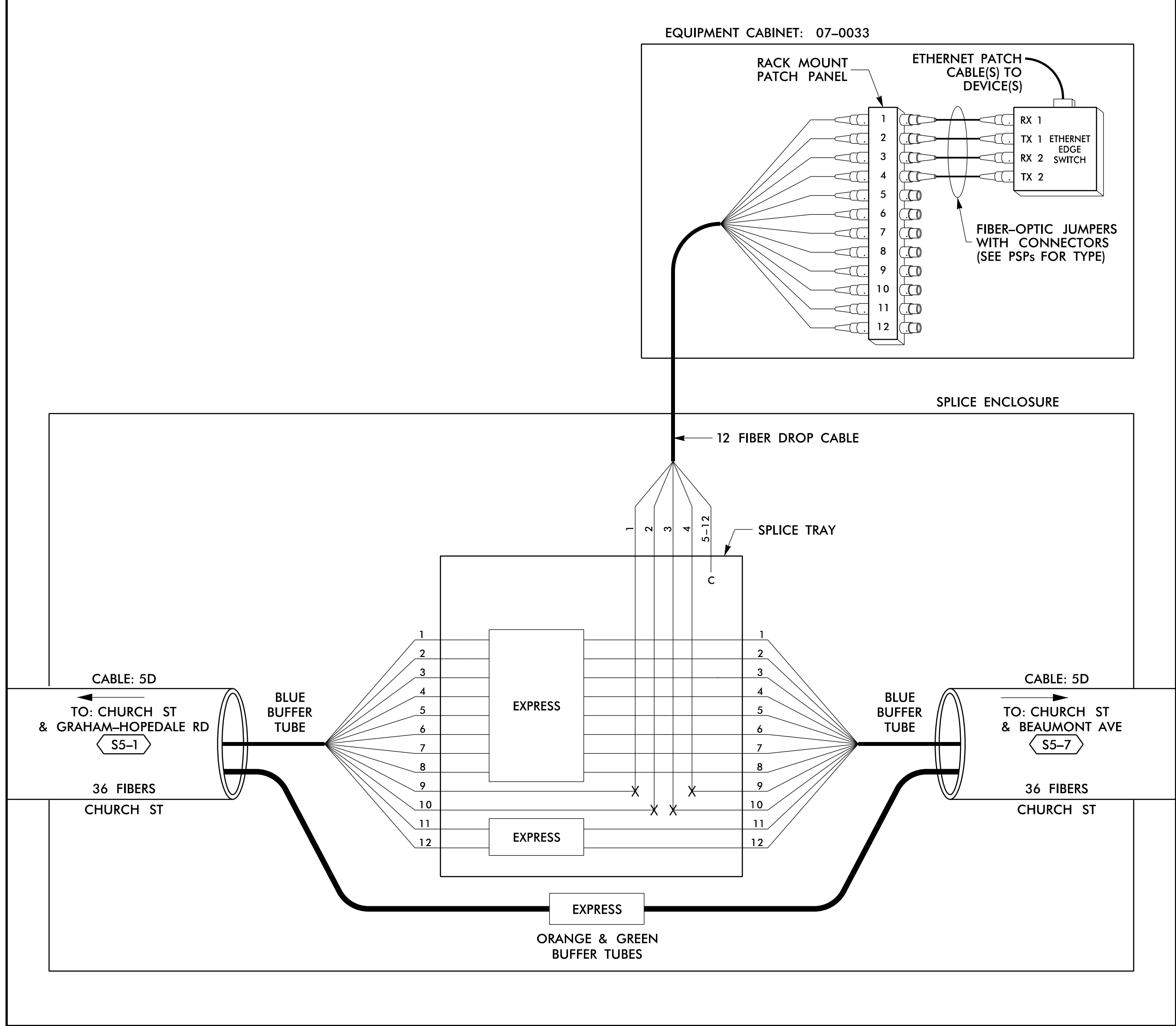
**SPLICE NO.**  
**S5-5**

GRAHAM-HOPEDALE RD & VAUGHN RD  
SEE: CRP-6.189



**SPLICE NO.**  
**S5-6**

CHURCH ST & COBB AVE  
SEE: CRP-6.037



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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPlice
(4) BROWN	(10) VIOLET	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE	EXISTING
(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

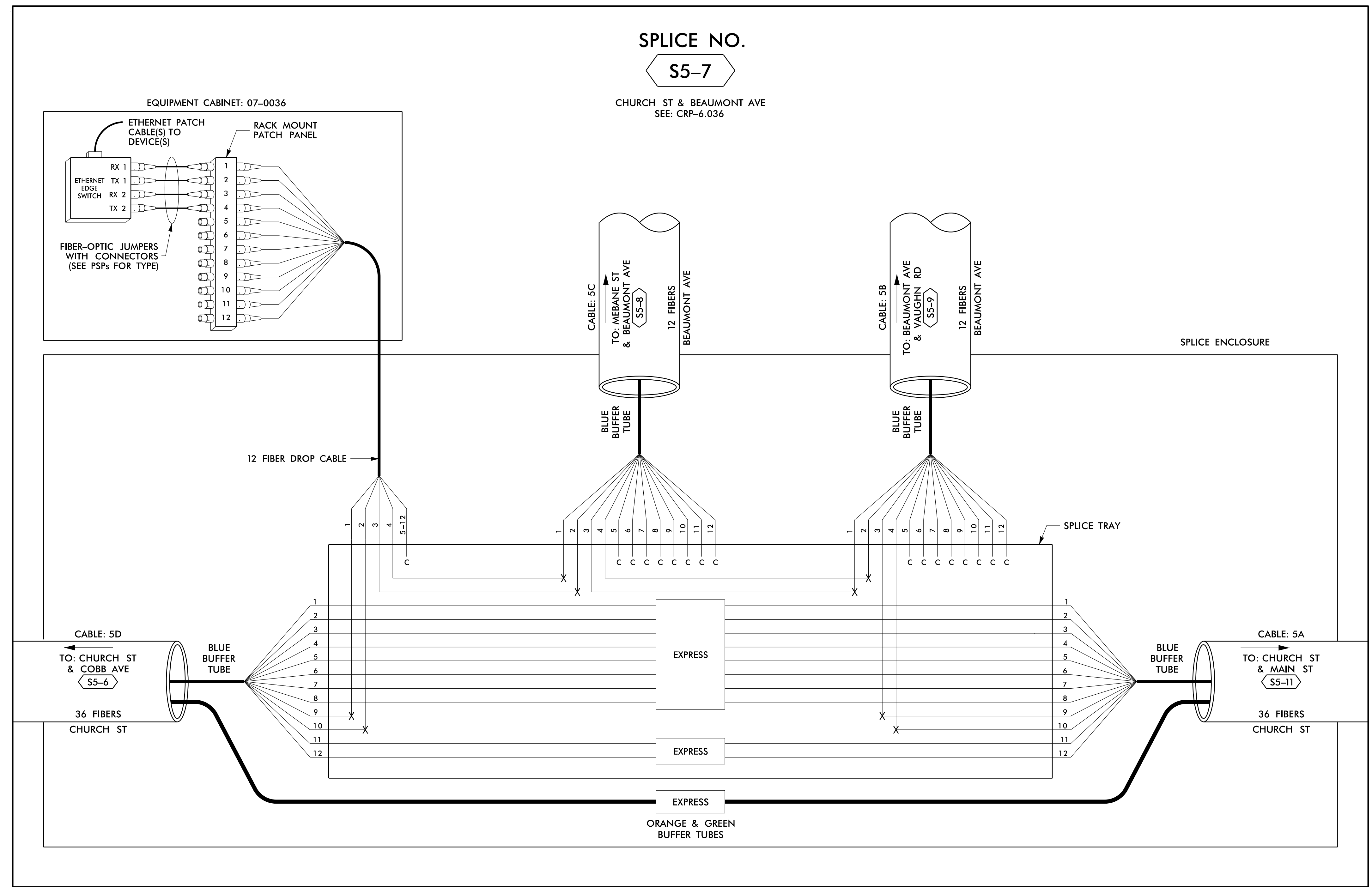
**NOTES**

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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEs #F-0326

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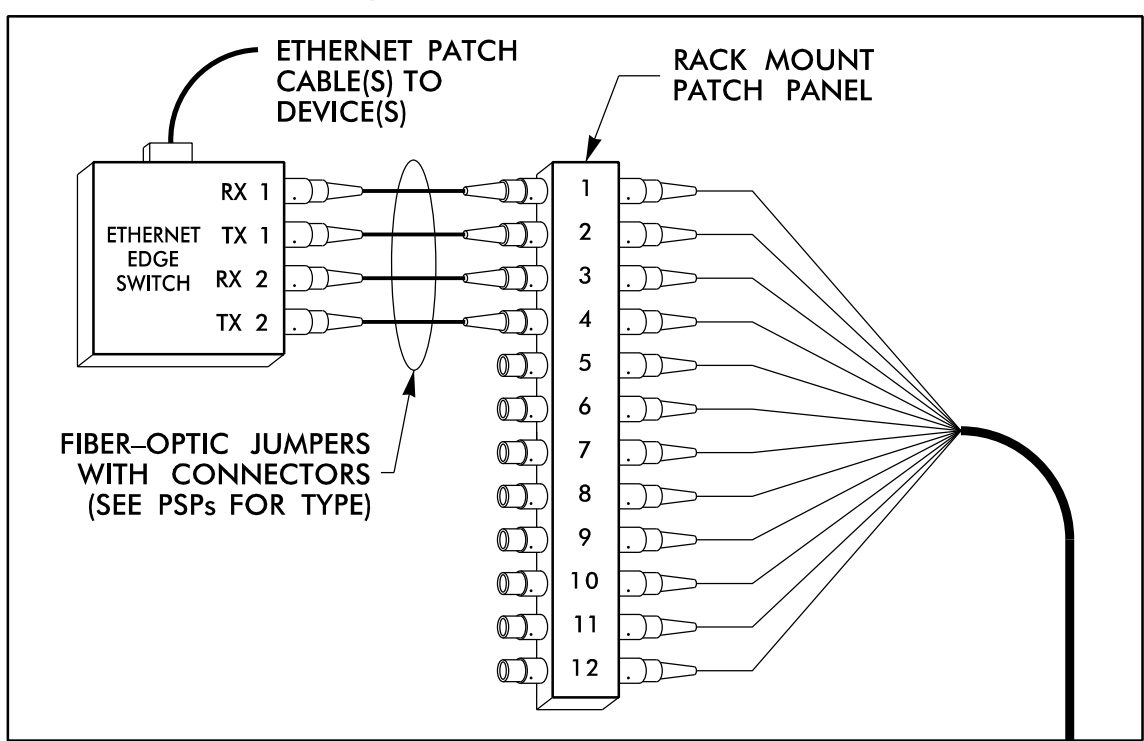
Prepared for the Offices of: 750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
REVISIONS		INIT. DATE	DATE



**SPLICE NO.**  
**S5-7**

CHURCH ST & BEAUMONT AVE  
 SEE: CRP-6.036

EQUIPMENT CABINET: 07-0036



ETHERNET PATCH CABLE(S) TO DEVICE(S)

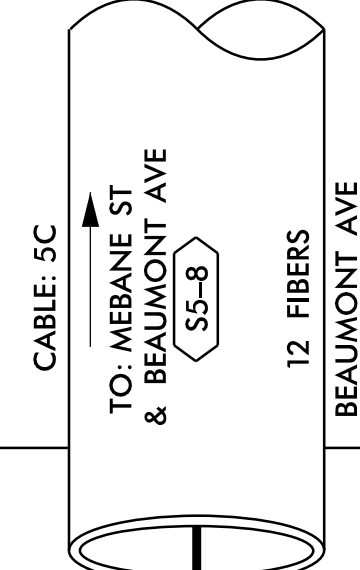
RACK MOUNT PATCH PANEL

ETHERNET EDGE SWITCH

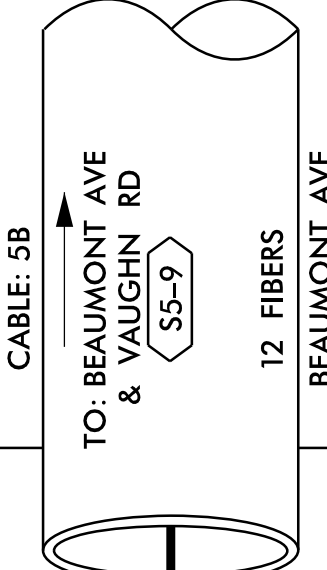
RX 1 TX 1  
 RX 2 TX 2

FIBER-OPTIC JUMPERS WITH CONNECTORS (SEE PSPs FOR TYPE)

12 FIBER DROP CABLE



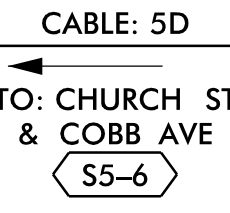
CABLE: 5C  
 TO: MEBANE ST & BEAUMONT AVE  
 S5-8  
 12 FIBERS  
 BEAUMONT AVE



CABLE: 5B  
 TO: BEAUMONT AVE & VAUGHN RD  
 S5-9  
 12 FIBERS  
 BEAUMONT AVE

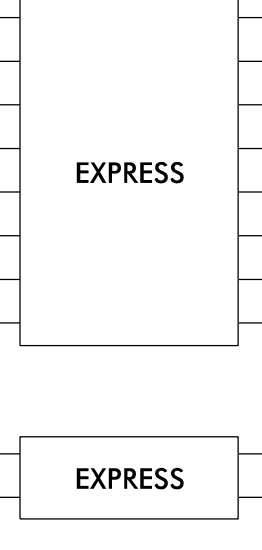
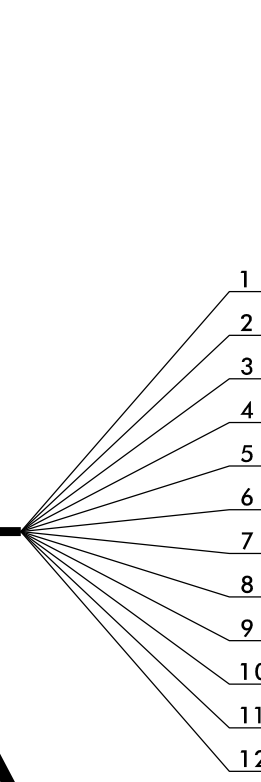
SPLICE ENCLOSURE

SPLICE TRAY

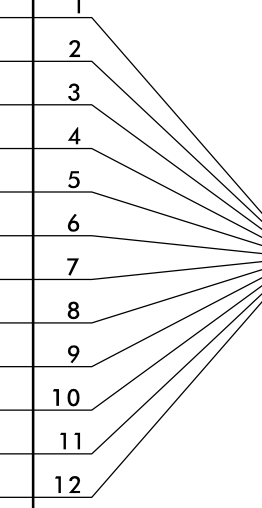


CABLE: 5D  
 TO: CHURCH ST & COBB AVE  
 S5-6  
 36 FIBERS  
 CHURCH ST

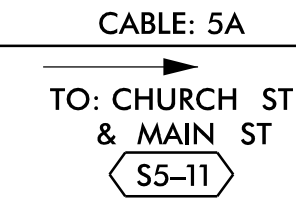
BLUE BUFFER TUBE



EXPRESS  
 EXPRESS  
 EXPRESS  
 ORANGE & GREEN BUFFER TUBES



BLUE BUFFER TUBE



CABLE: 5A  
 TO: CHURCH ST & MAIN ST  
 S5-11  
 36 FIBERS  
 CHURCH ST

14 JUN 2018 12:18  
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 S:\DCS\653 AT\_LUS355433

**LEGEND**

COLOR CODE TIA/EIA 598-B	X = FUSION SPLICE INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE (7) RED	C = CAP AND SEAL	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE (8) BLACK		EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(3) GREEN (9) YELLOW			
(4) BROWN (10) VIOLET			
(5) SLATE (11) ROSE			
(6) WHITE (12) AQUA			

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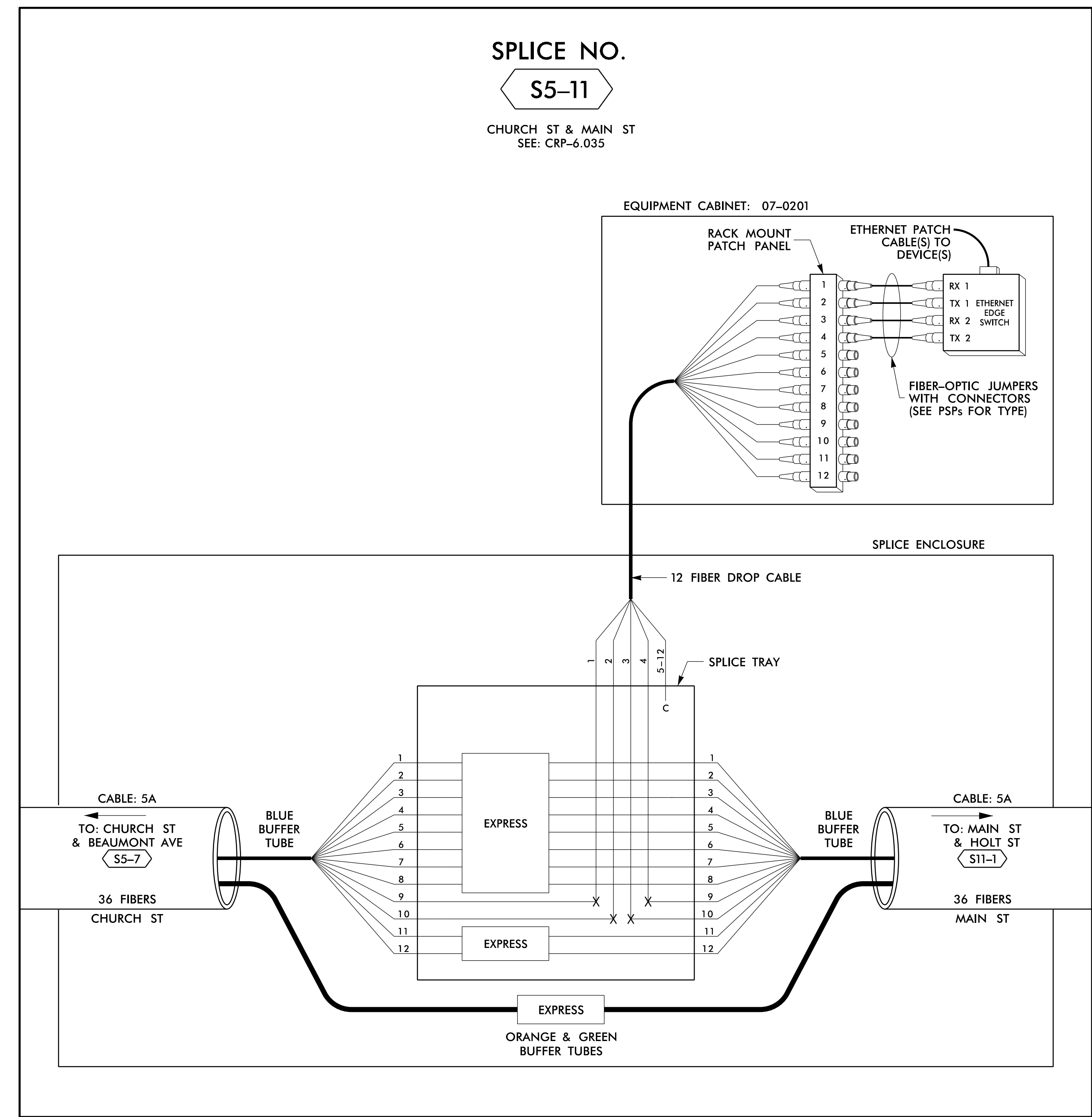
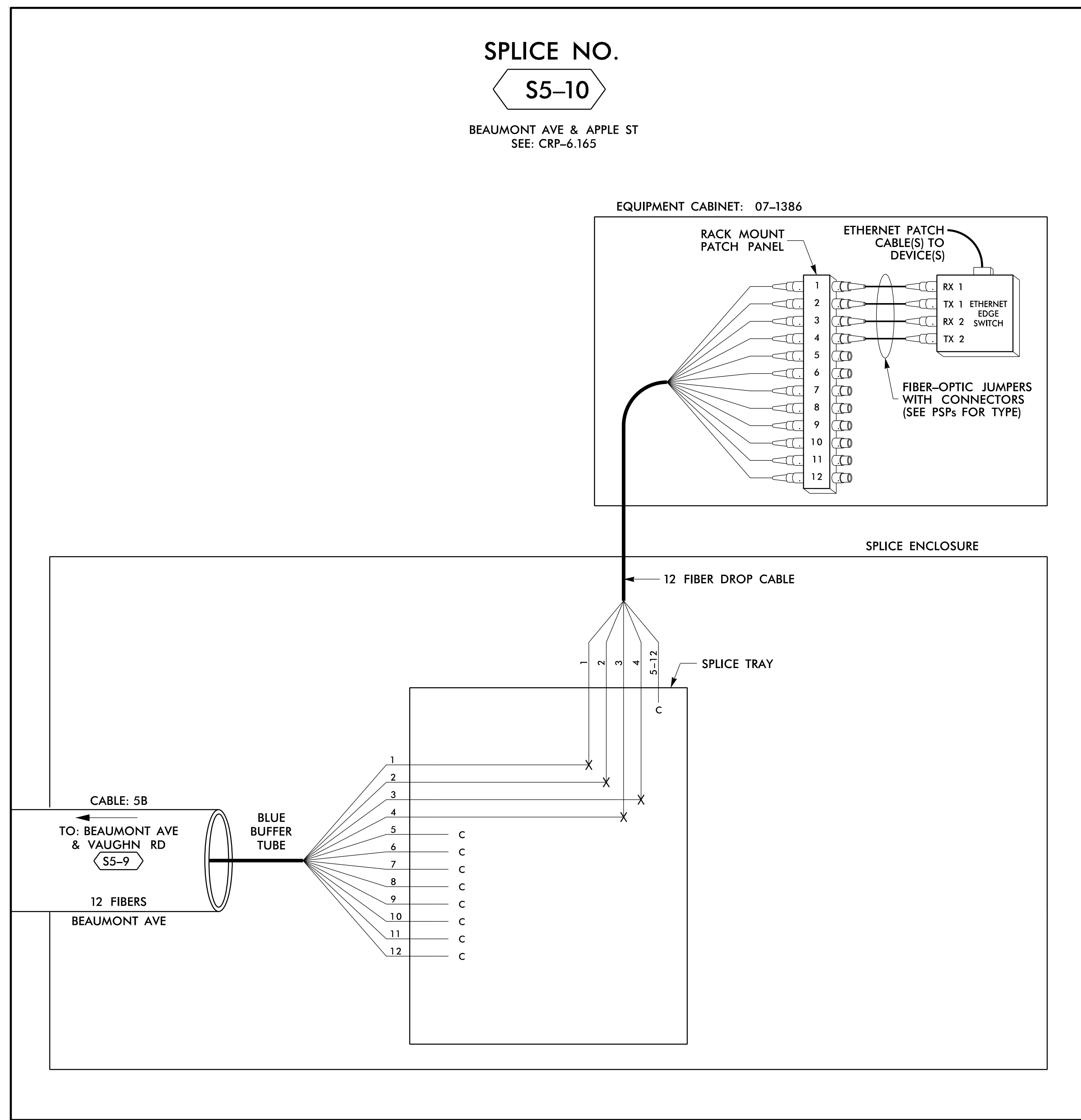
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

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	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Division 7 Alameda County Burlington & Graham		
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM SCALE: N/A	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	REVISIONS INIT. DATE	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE







14 JUN 2018 12:19  
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#### LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	C = CAP AND SEAL	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
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(4) BROWN	(10) VIOLET			
(5) SLATE	(11) ROSE			
(6) WHITE	(12) AQUA			

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RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:  
  
 750 Greenfield Parkway, Garner, NC 27529  
 SCALE: N/A

**Burlington-Graham Signal System  
Fiber-Optic Splicing Details**

Burlington & Graham

Division 7 Alamance County

PLAN DATE: June 2018	REVIEWED BY: HA BADGETT
PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES

REVISIONS	INIT.	DATE

SEAL

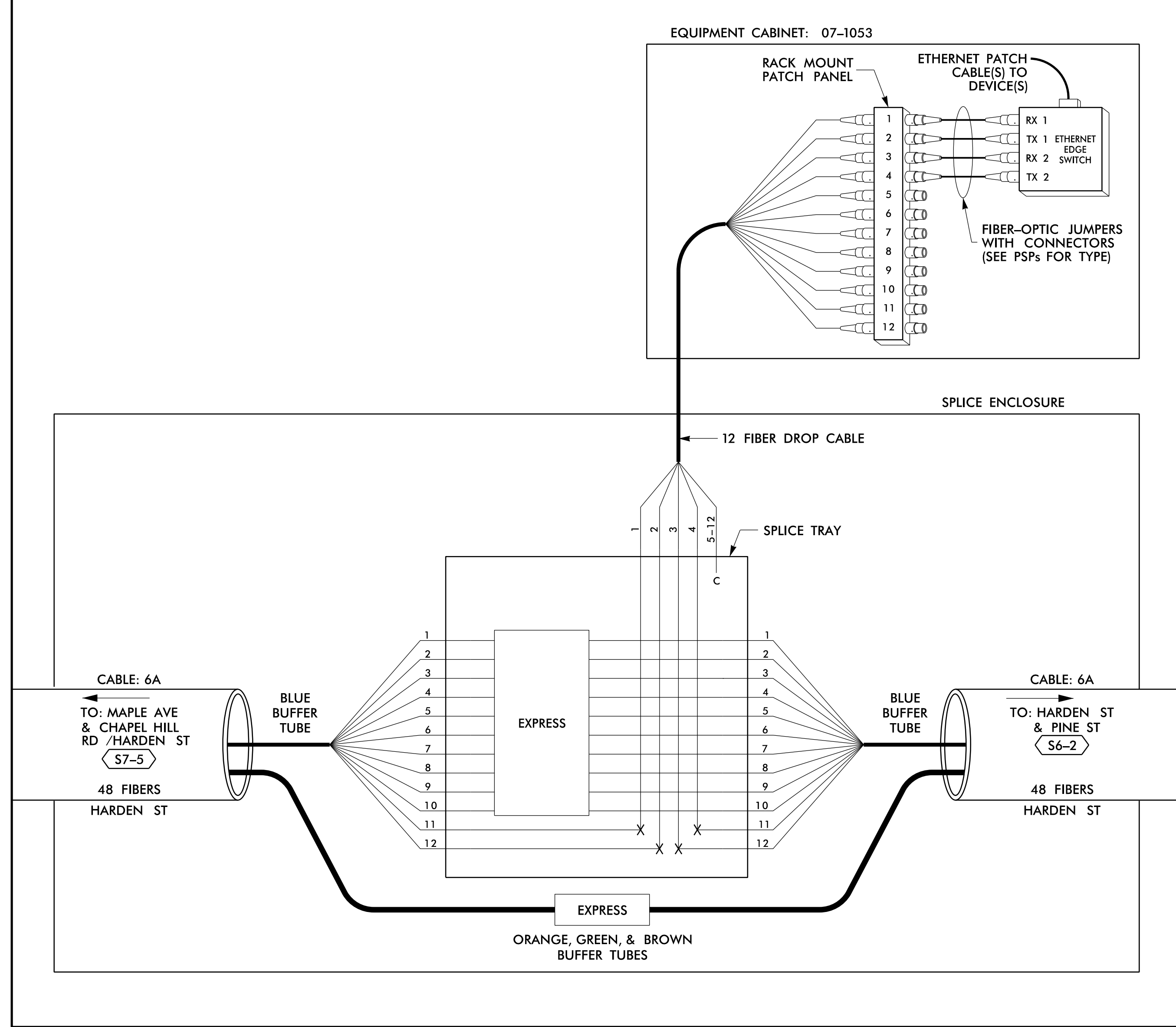
BRADFORD J. SLOCUM  
ENGINEER  
15/2018  
DATE

CADD File name: FS\_4.035.dgn

**SPLICE NO.**

**S6-1**

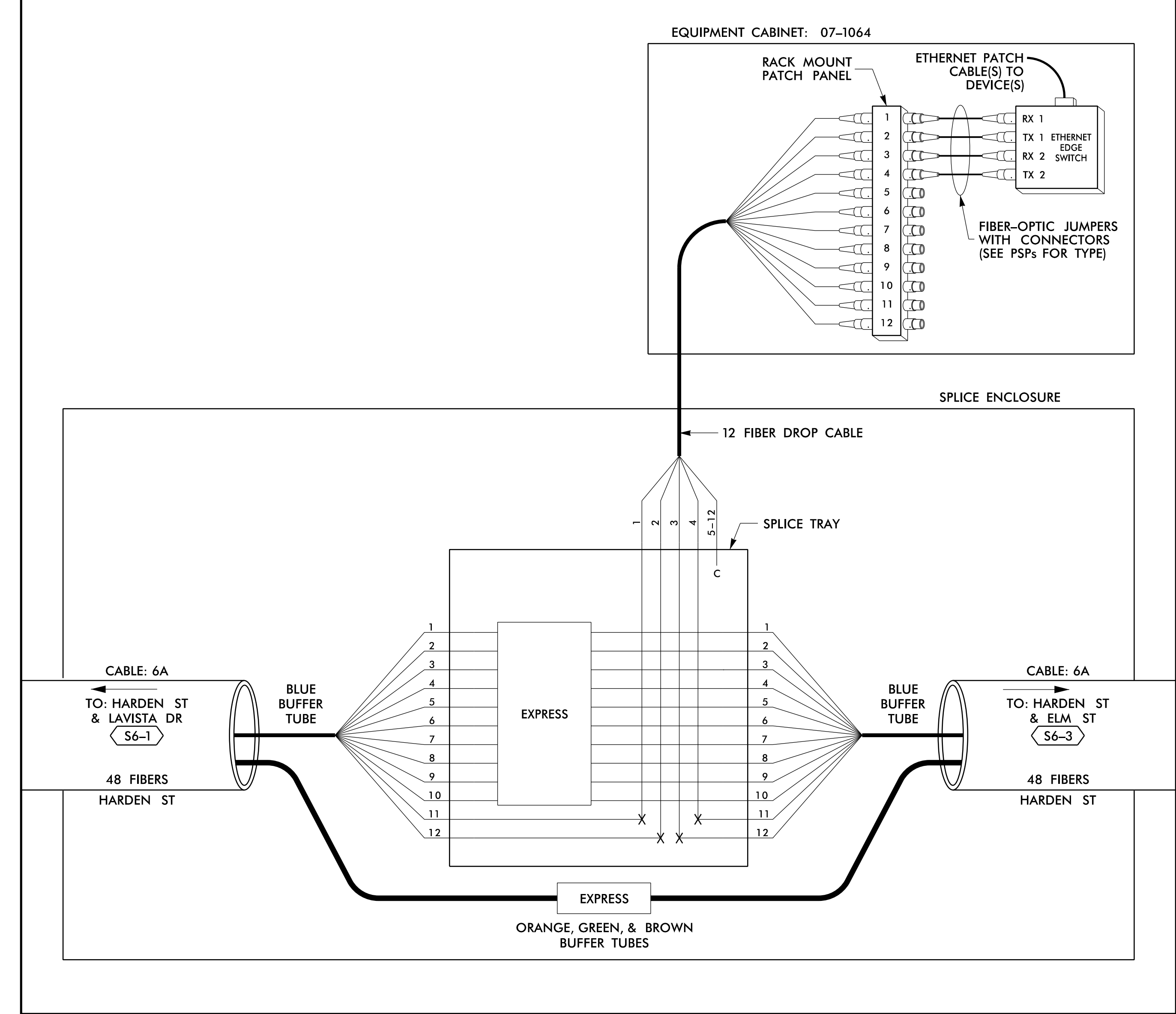
HARDEN ST & LAVISTA DR  
SEE: CRP-6.097



**SPLICE NO.**

**S6-2**

HARDEN ST & PINE ST  
SEE: CRP-6.099



14 JUN 2018 12:19  
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 SLOJ3653 AT LUS355433

**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
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(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

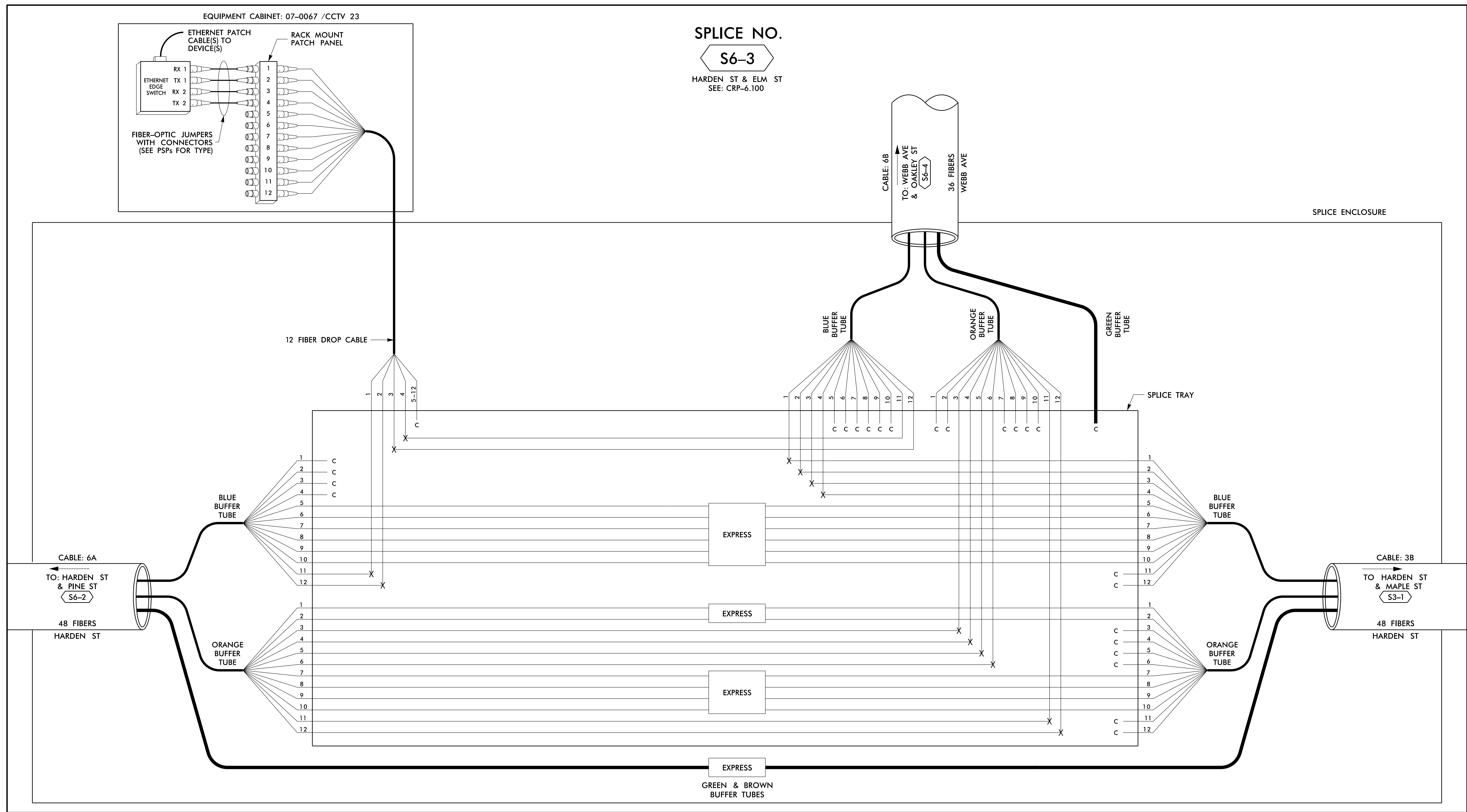
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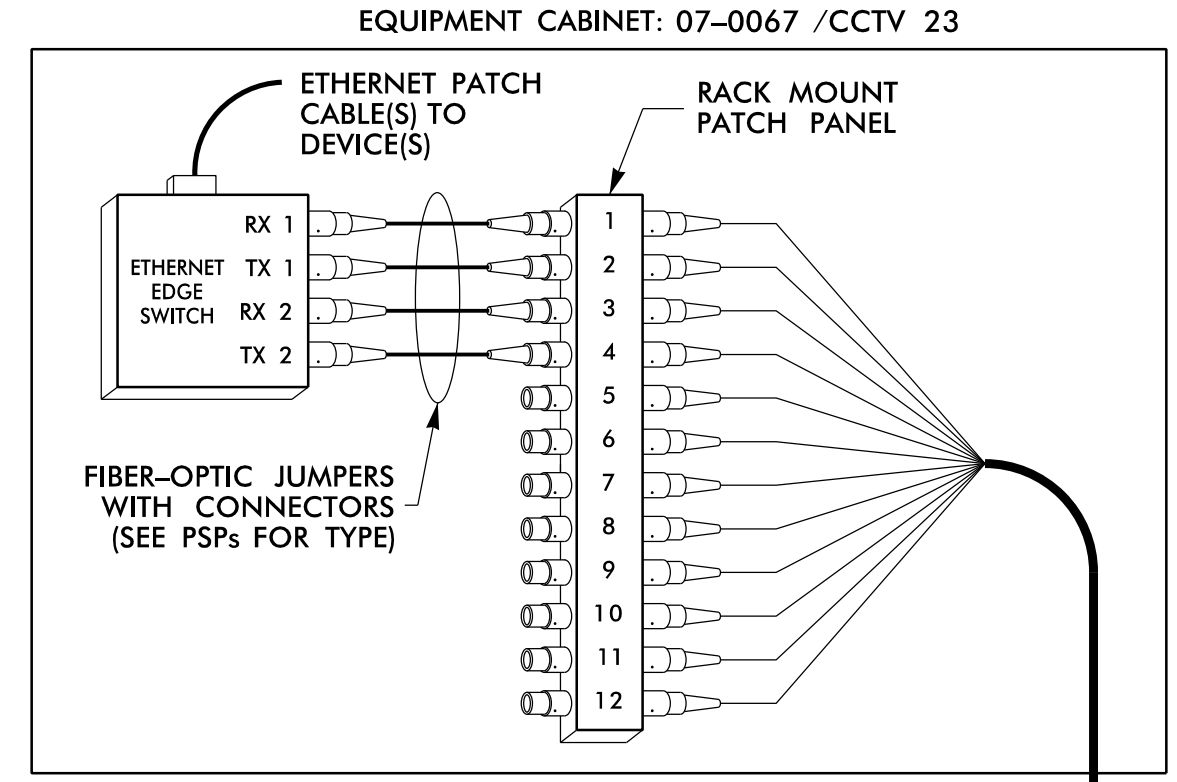
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

<p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>Burlington-Graham Signal System Fiber-Optic Splicing Details</p>		
	<p>Division 7 Alamance County</p>	<p>Burlington &amp; Graham</p>	
<p>SCALE: N/A</p>	<p>PLAN DATE: June 2018</p>	<p>REVIEWED BY: HA BADGETT</p>	<p>DATE: 15/2018</p>
<p>PREPARED BY: BJ SLOCUM</p>	<p>REVIEWED BY: DL JONES</p>	<p>DATE: 15/2018</p>	<p>DATE: 15/2018</p>



**SPLICE NO.**  
**S6-3**  
 HARDEN ST & ELM ST  
 SEE: CRP-6.100



**LEGEND**

EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
BUFFER SPLICED	SPLICED ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

X = FUSION SPLICE INDIVIDUAL FIBER  
 C = CAP AND SEAL

**COLOR CODE**  
 TIA/EIA 598-B

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
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 RALEIGH, NORTH CAROLINA 27609  
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Prepared for the Offices of:  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 Division 7 Alamance County Burlington & Graham

**Burlington-Graham Signal System Fiber-Optic Splicing Details**

PLAN DATE: June 2018 REVIEWED BY: HA BADGETT  
 PREPARED BY: BJ SLOCUM REVIEWED BY: DL JONES

750 Greenfield Parkway, Garner, NC 27529  
 SCALE: N/A

SEAL  
 NORTH CAROLINA PROFESSIONAL SEAL 040877  
 ENGINEER  
 Bradford J. Slocum  
 15/2018  
 DATE

CADD File name: FS 4.037.dgn

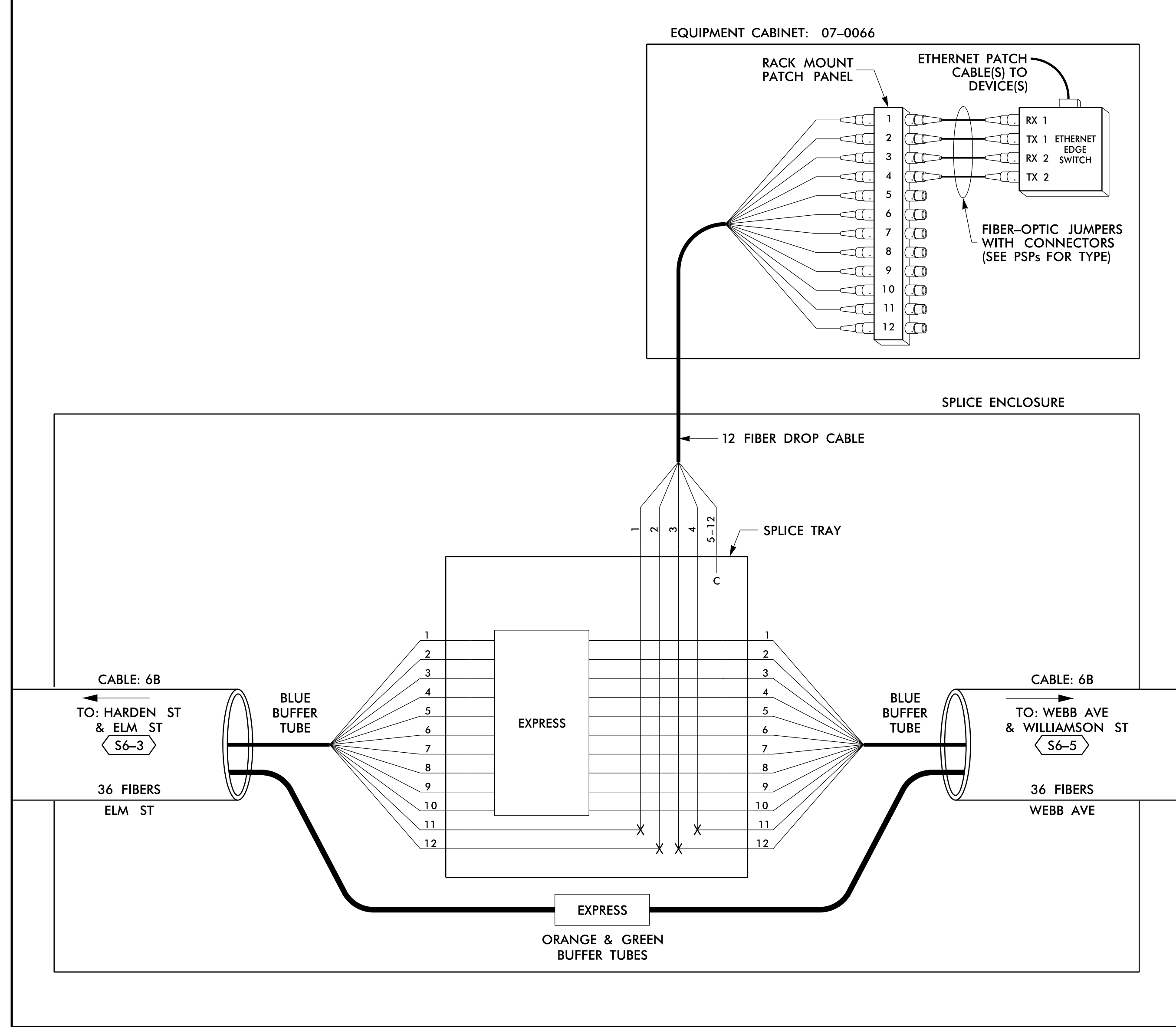
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 SLOCUM AT LUS355433



**SPLICE NO.**

**S6-4**

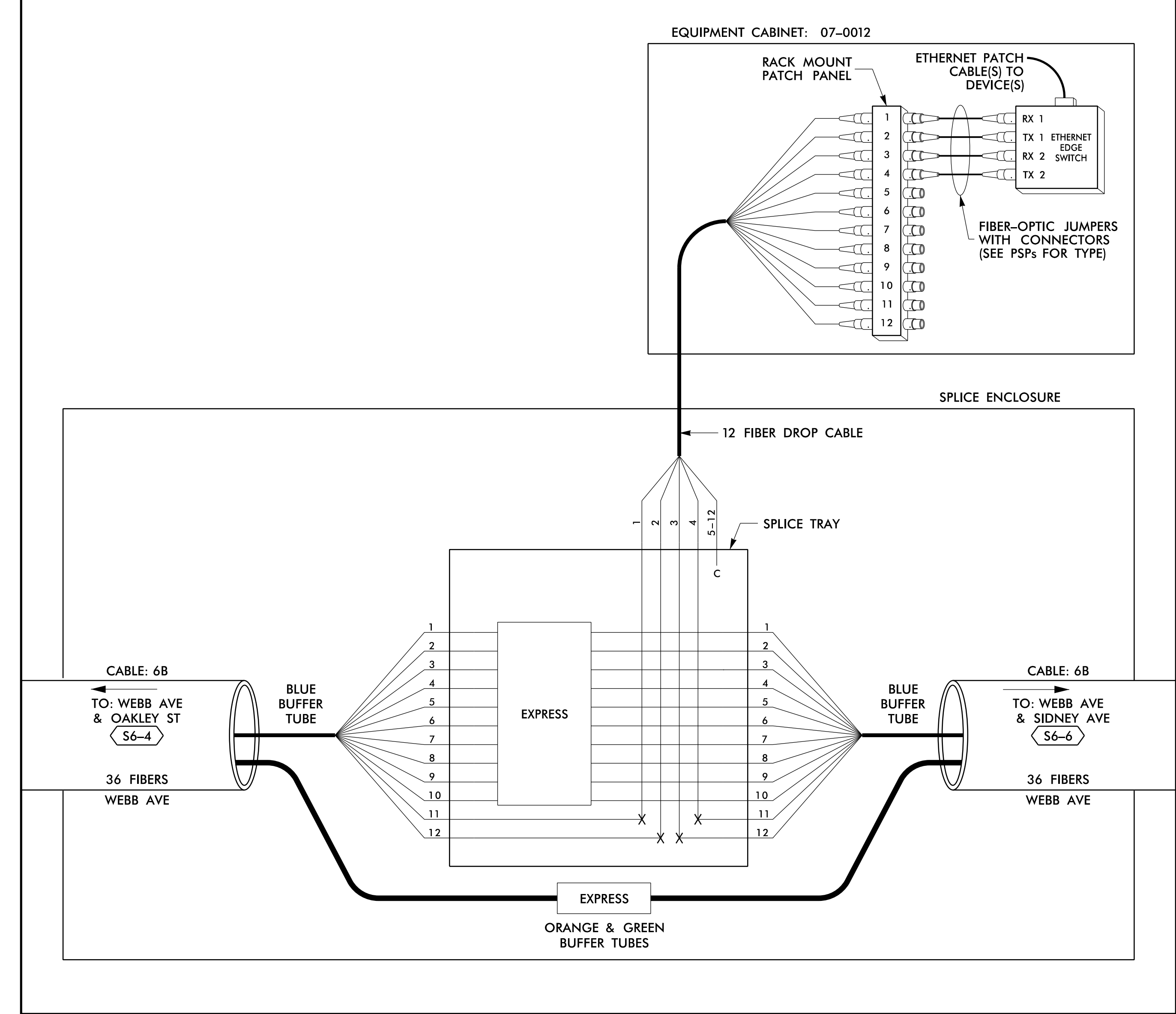
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SEE: CRP-6.126



**SPLICE NO.**

**S6-5**

WEBB AVE & WILLIAMSON ST  
SEE: CRP-6.124



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 SLOJ3653 AT LUS355433

**LEGEND**

COLOR CODE		TIA/EIA 598-B	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

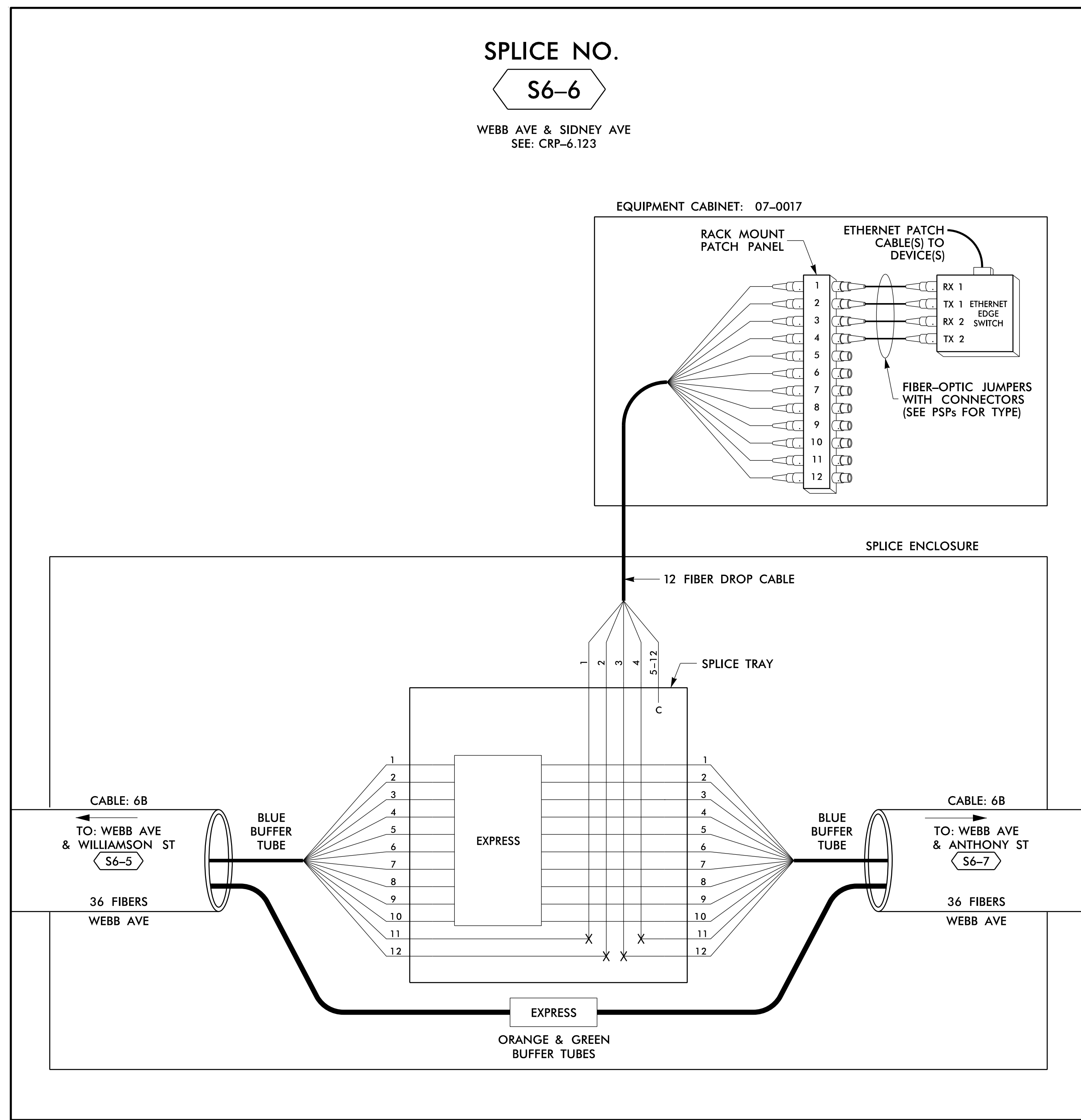
	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 Alamance County	Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES
REVISIONS	INIT.	DATE	DATE
SCALE: N/A	DATE:	DATE:	DATE:

DocuSign  
Bradford J. Slocum  
15/2018  
DATE  
CADD File name: FS 4.038.dgn

**SPLICE NO.**

**S6-6**

WEBB AVE & SIDNEY AVE  
SEE: CRP-6.123



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	C = CAP AND SEAL	BUFFER SPlice	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE	(8) BLACK		EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(3) GREEN	(9) YELLOW			
(4) BROWN	(10) VIOLET			
(5) SLATE	(11) ROSE			
(6) WHITE	(12) AQUA			

**NOTES**

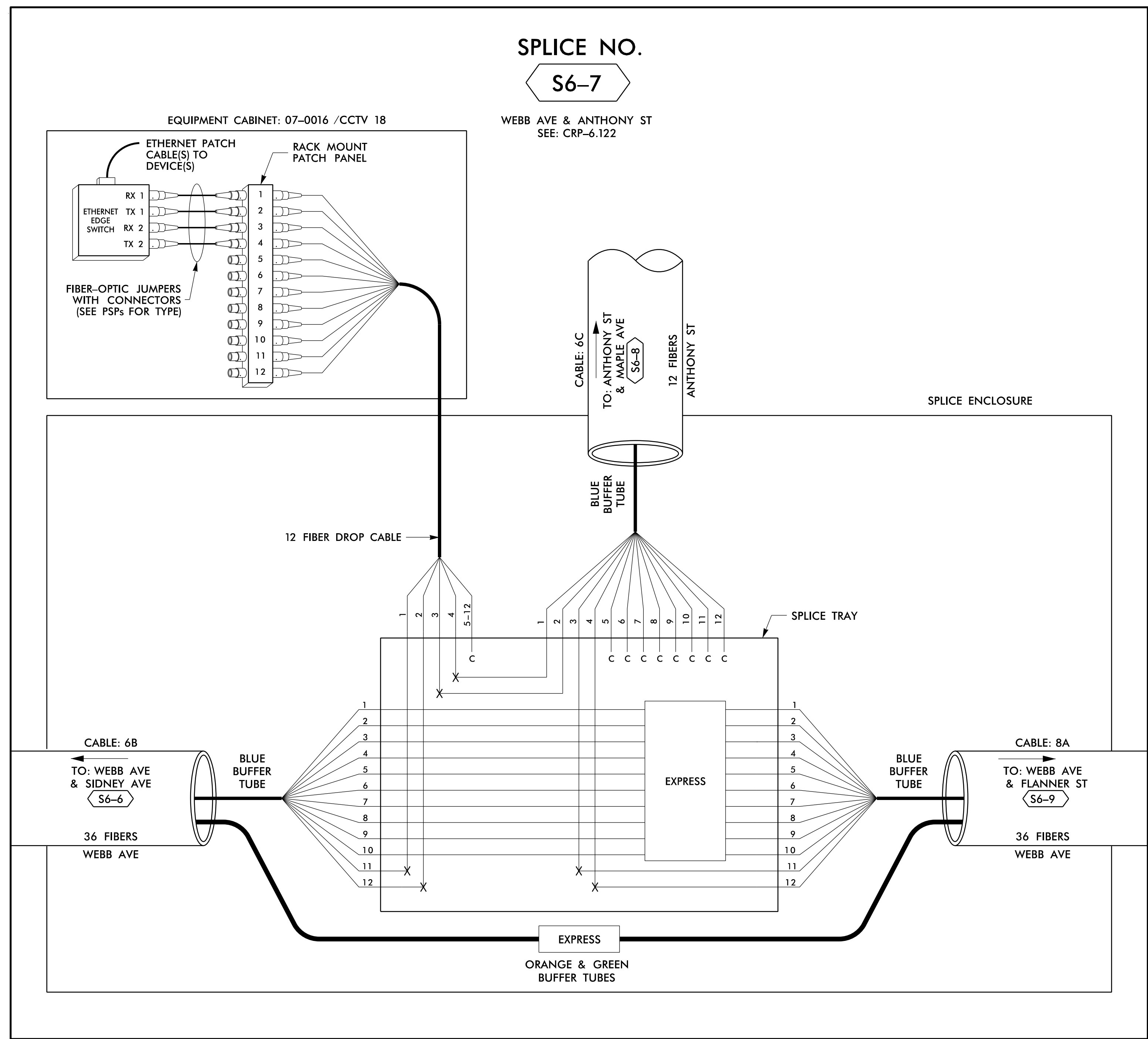
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	Prepared for the Offices of: North Carolina Department of Transportation		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER BRADFORD J. SLOCUM 15/2018 DATE
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
Division 7 Alamance County Burlington & Graham		PLAN DATE: June 2018 REVIEWED BY: HA BADGETT	
PREPARED BY: BJ SLOCUM REVIEWED BY: DL JONES		REVISIONS INIT. DATE	
SCALE: N/A		CADD File name: FS_4.039.dgn	

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 SLOCS363 AT LUS355433

COLOR CODE		LEGEND	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS**

1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEE# F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Prepared for the Offices of:  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details	
Division 7 Alamance County Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT
PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES
SCALE: N/A	
REVISIONS	INIT. DATE

SEAL

BRADFORD J. SLOCUM  
 ENGINEER  
 15/2018  
 DATE

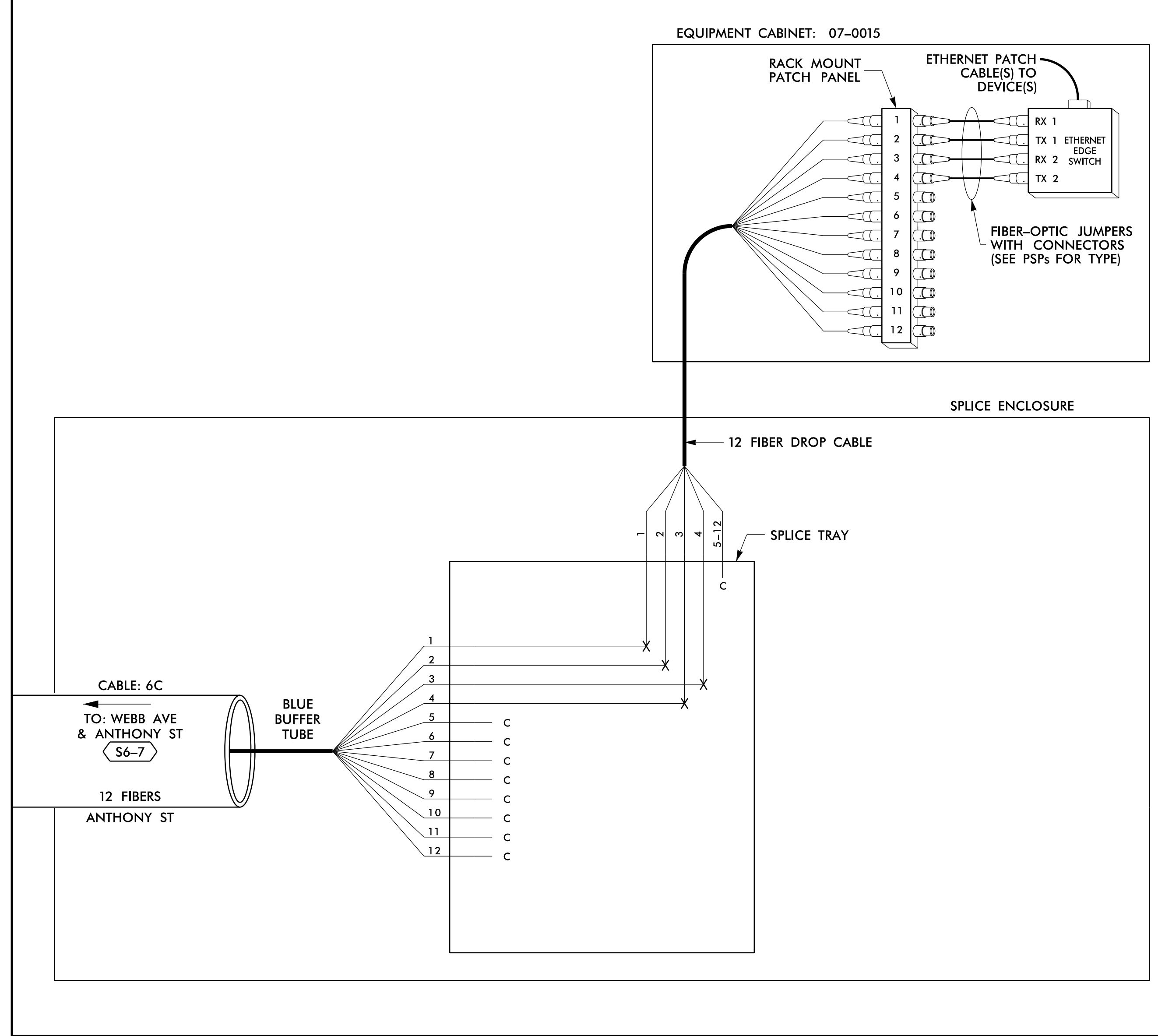
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**SPLICE NO.**

**S6-8**

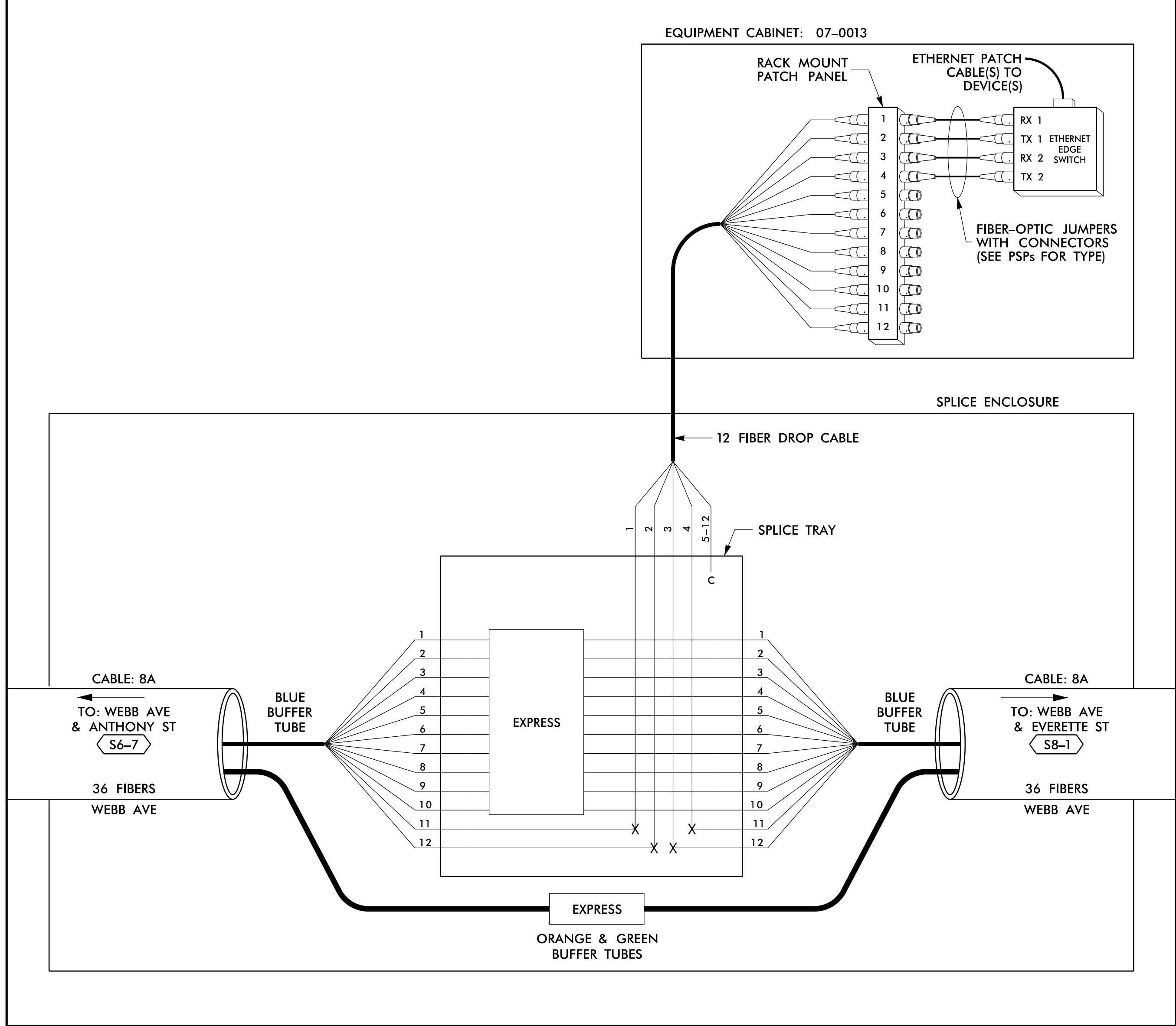
ANTHONY ST & MAPLE AVE  
SEE: CRP-6.129



**SPLICE NO.**

**S6-9**

WEBB AVE & FLANNER ST  
SEE: CRP-6.121



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 SLOD3653 AT LUS355433

**LEGEND**

COLOR CODE		TIA/EIA 598-B	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

X = FUSION SPLICE INDIVIDUAL FIBER  
C = CAP AND SEAL

**NOTES**

1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
3. EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

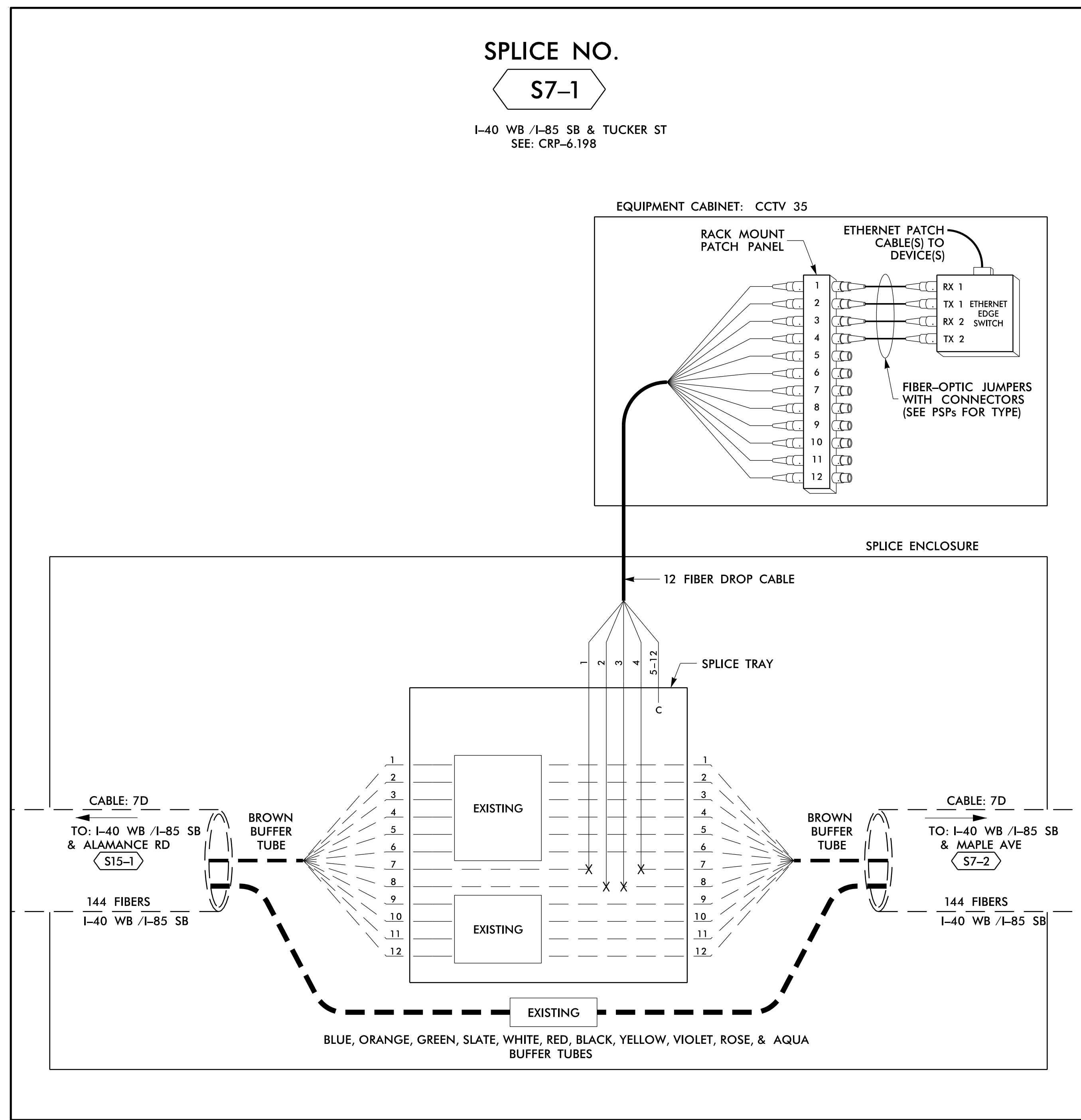
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	<p>Division 7 Alamance County</p>	<p>Burlington &amp; Graham</p>	
	<p>PLAN DATE: June 2018</p>	<p>REVIEWED BY: HA BADGETT</p>	
<p>PREPARED BY: BJ SLOCUM</p>	<p>REVIEWED BY: DL JONES</p>	<p>DATE: 5/15/2018</p>	<p>DATE: _____</p>
<p>SCALE: N/A</p>	<p>REVISIONS</p>	<p>INIT.</p>	<p>DATE</p>

CADD File name: FS 4.041.dgn

**SPLICE NO.**

**S7-1**

I-40 WB /I-85 SB & TUCKER ST  
SEE: CRP-6.198



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPLICE
(4) BROWN	(10) VIOLET	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE	EXISTING
(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Transportation Systems		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER 15/2018
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
Division 7 Alamance County Burlington & Graham		PLAN DATE: June 2018 REVIEWED BY: HA BADGETT	
PREPARED BY: BJ SLOCUM		REVIEWED BY: DL JONES	
SCALE: N/A		REVISIONS: INIT. DATE	

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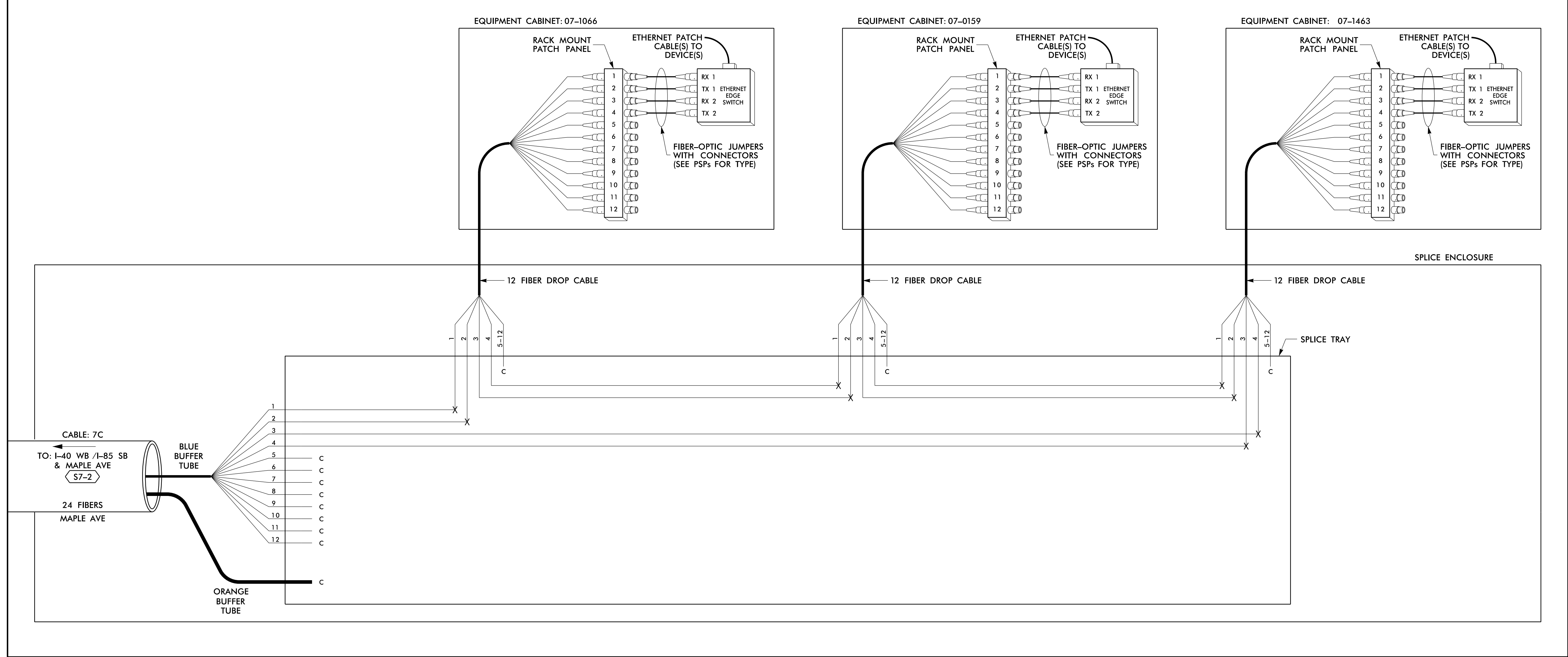




### SPLICE NO.

**S7-3**

MAPLE AVE & HANFORD RD  
SEE: CRP-6.114



### LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

### NOTES

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

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UNLESS ALL SIGNATURES COMPLETED

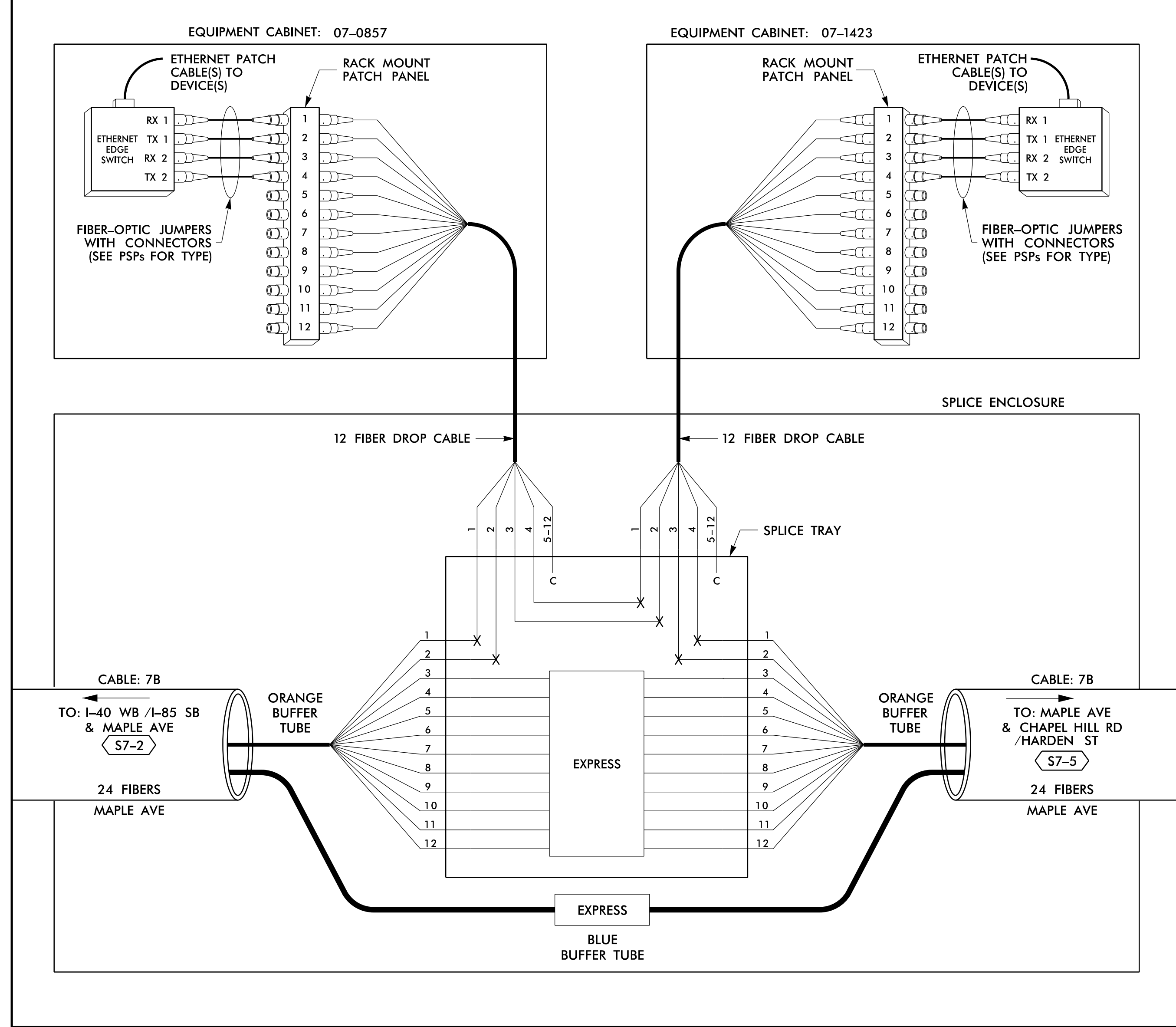
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	Division 7	Alamance County		Burlington & Graham
	PLAN DATE: June 2018	REVIEWED BY: HA BADGETT		
	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES		
SCALE: N/A	REVISIONS	INIT.	DATE	

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SLOCUM3 AT LUS355433

**SPLICE NO.**

**S7-4**

MAPLE AVE & PLANTATION DR  
SEE: CRP-6.115



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**LEGEND**


COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER C = CAP AND SEAL	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

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 UNLESS ALL SIGNATURES COMPLETED**

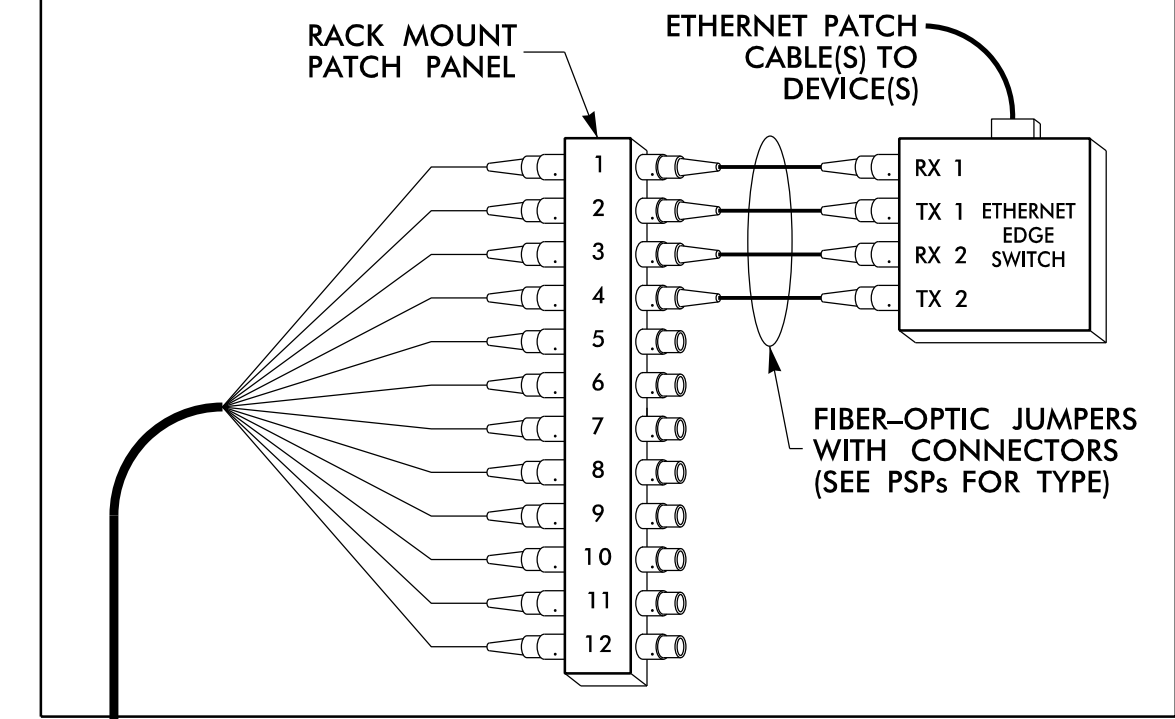
Prepared for the Offices of:  750 Greenfield Parkway, Garner, NC 27529	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER Bradford J. Slocum 15/2018 DATE
	Division 7 PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Alamance County REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
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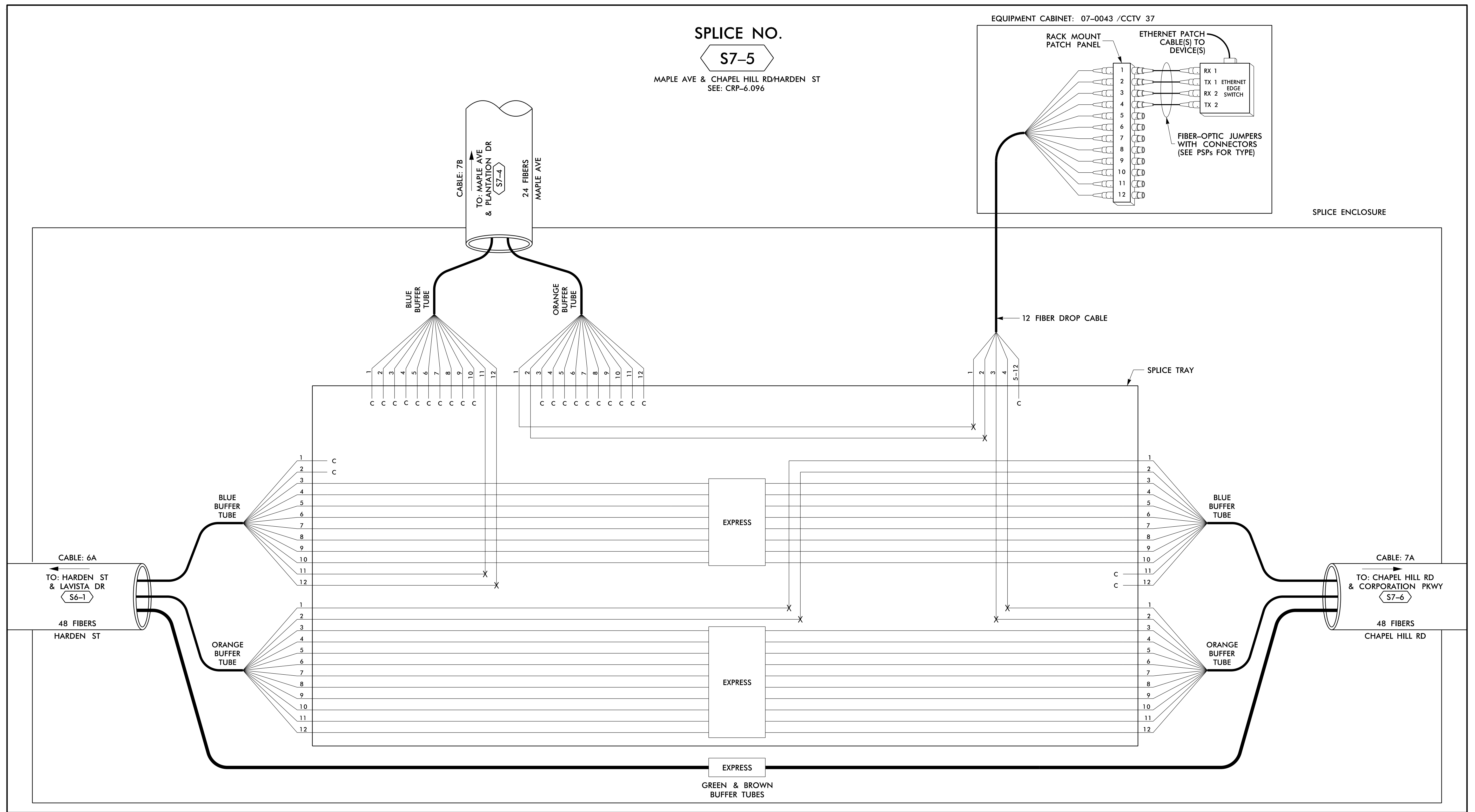
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MAPLE AVE & CHAPEL HILL RD/HARDEN ST  
SEE: CRP-6.096

EQUIPMENT CABINET: 07-0043 /CCTV 37



SPLICE ENCLOSURE



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### LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

### NOTES

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

## ATKINS

1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEE# F-0326

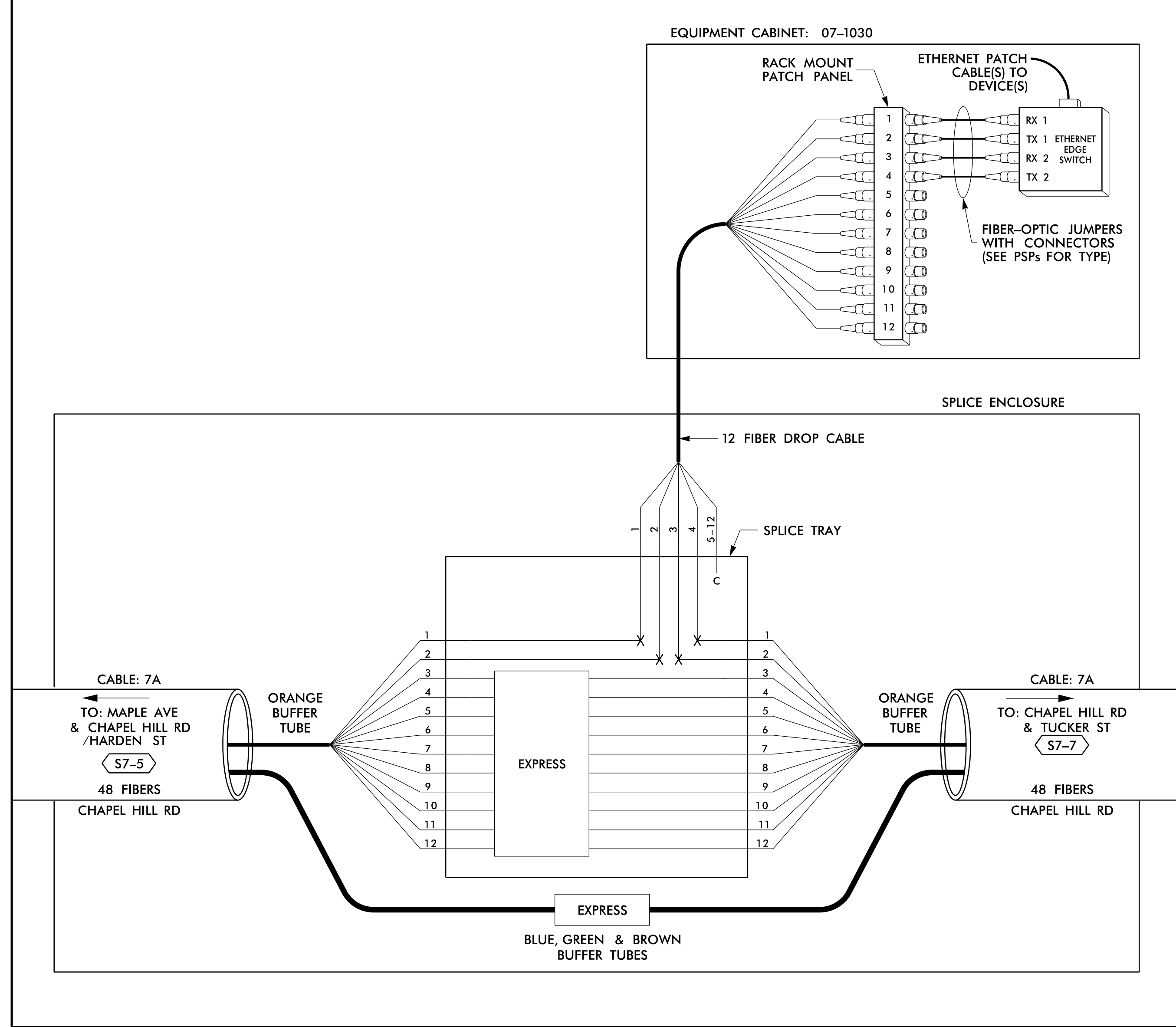
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UNLESS ALL SIGNATURES COMPLETED

	<b>Burlington-Graham Signal System</b> <b>Fiber-Optic Splicing Details</b>		
	Division 7 PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Alamance County REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	REVISIONS INIT. DATE		DATE



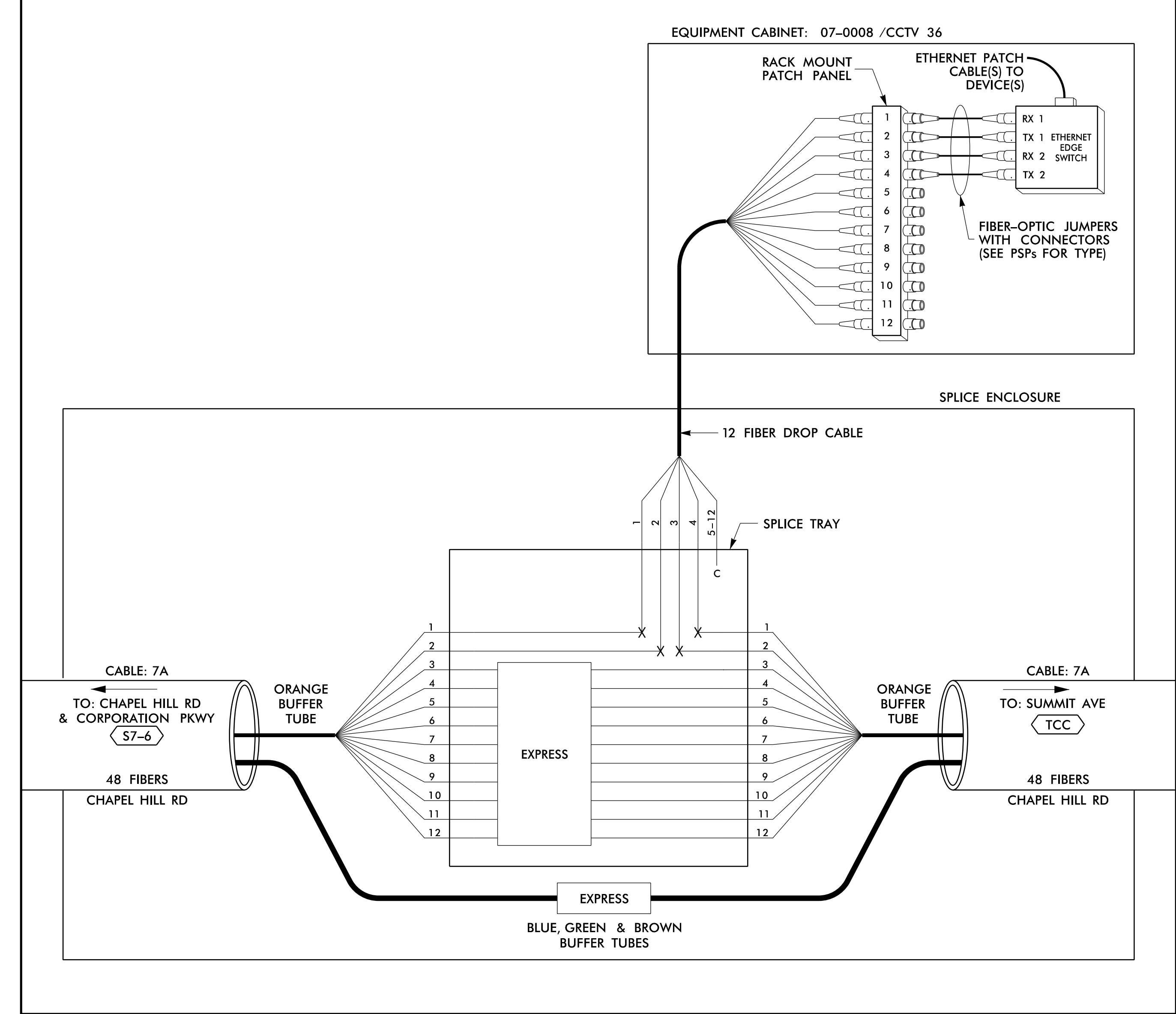
**SPLICE NO.**  
**S7-6**

CHAPEL HILL RD & CORPORATION PKWY  
SEE: CRP-6.095



**SPLICE NO.**  
**S7-7**

CHAPEL HILL RD & TUCKER ST  
SEE: CRP-6.092



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 SLOD3653 AT LUS355433

**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	BUFFER SPlice
(3) GREEN	(9) YELLOW	EXISTING
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING

SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR

EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEs #F-0326

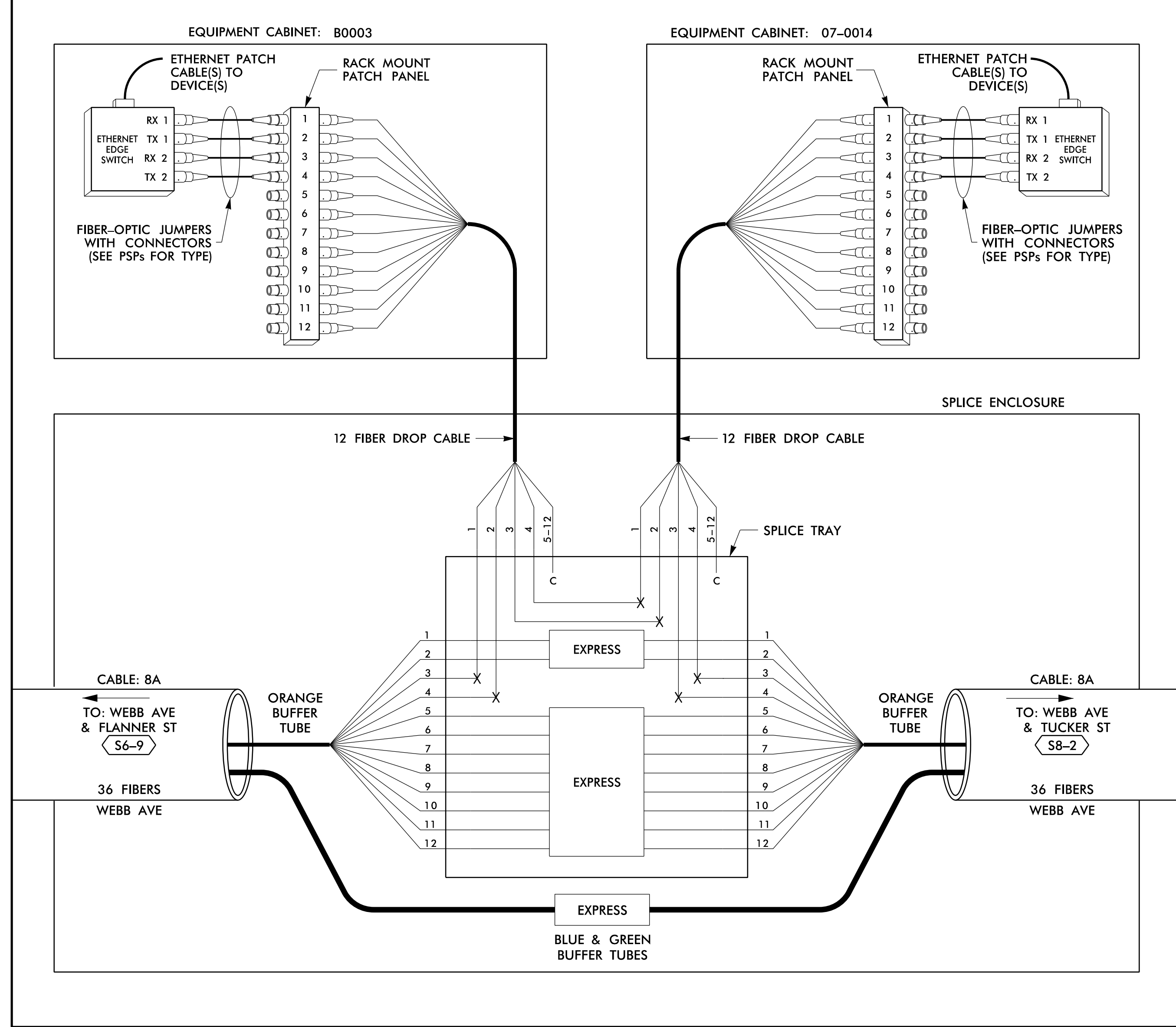
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Prepared for the Offices of: 750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	<b>Burlington-Graham Signal System</b> <b>Fiber-Optic Splicing Details</b>		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
	REVISIONS	INIT. DATE	
	CADD File name: FS 4.047.dgn		

**SPLICE NO.**

**S8-1**

WEBB AVE & EVERETTE ST  
SEE: CRP-6.121



14 JUN 2018 12:20  
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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER C = CAP AND SEAL	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

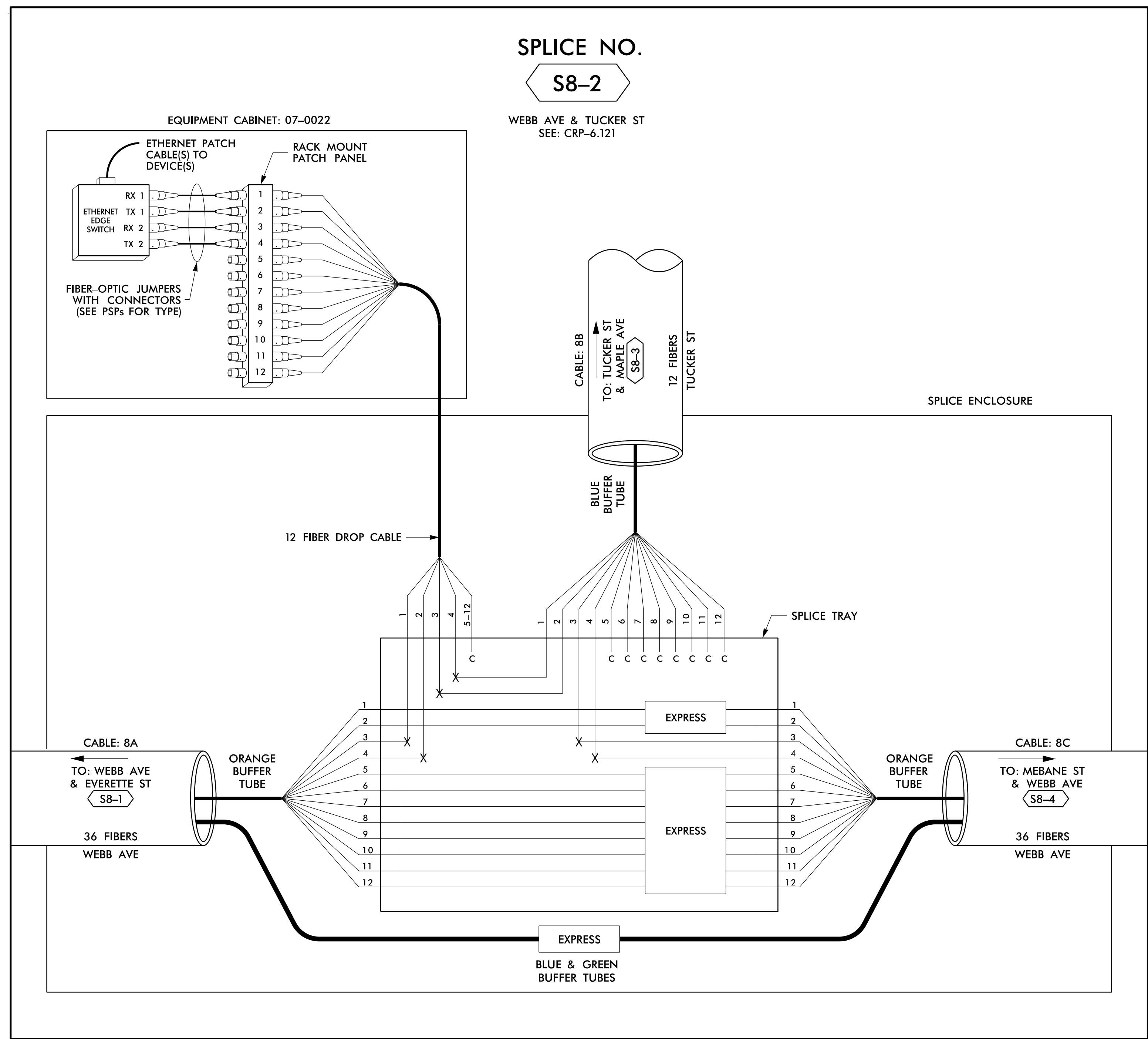
**NOTES**

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- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Prepared for the Offices of: 750 Greenfield Parkway, Garner, NC 27529	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER Bradford J. Slocum 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
REVISIONS			INIT. DATE
CAD00 File name: FS 4.048.dgn			DATE



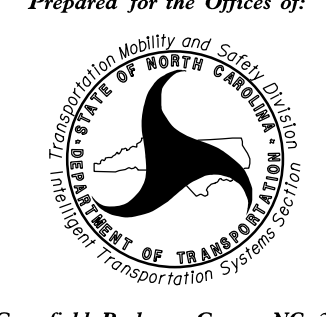
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COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = FUSION SPlice INDIVIDUAL FIBER THROUGH WITHOUT CUTTING	EXPRESS
(2) ORANGE	(8) BLACK	C = CAP AND SEAL	BUFFER SPlice
(3) GREEN	(9) YELLOW		EXISTING
(4) BROWN	(10) VIOLET	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING	
(5) SLATE	(11) ROSE	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(6) WHITE	(12) AQUA	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPlice TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPlice ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS**  
 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEE# F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

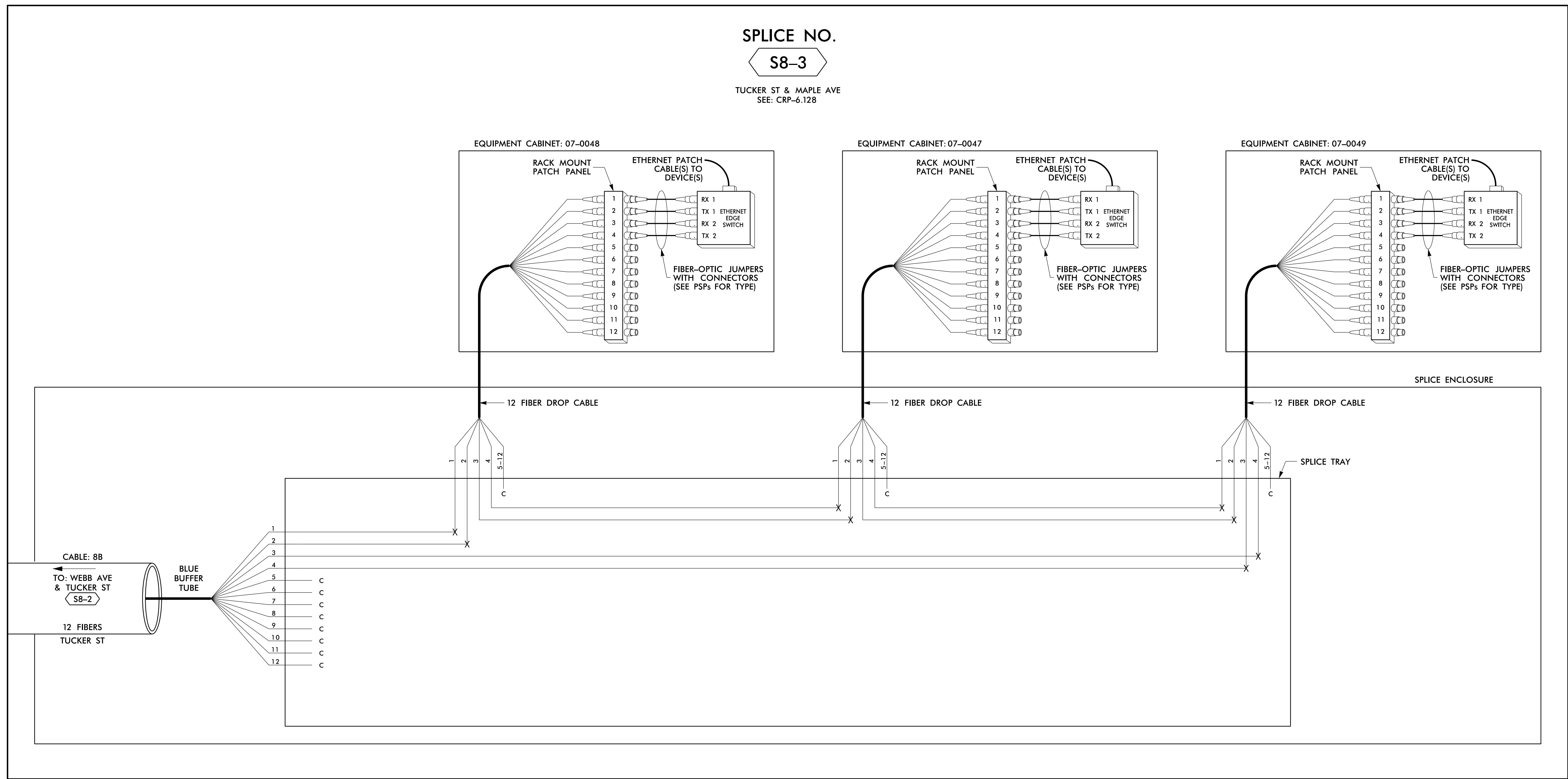
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<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details			
Division 7 Alamance County Burlington & Graham		PLAN DATE: June 2018 REVIEWED BY: HA BADGETT	
PREPARED BY: BJ SLOCUM		REVIEWED BY: DL JONES	
SCALE N/A		REVISIONS INIT. DATE	
CADD File name: FS 4.049.dgn			



**SPLICE NO.**

**S8-3**

TUCKER ST & MAPLE AVE  
SEE: CRP-6.128



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
3. EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

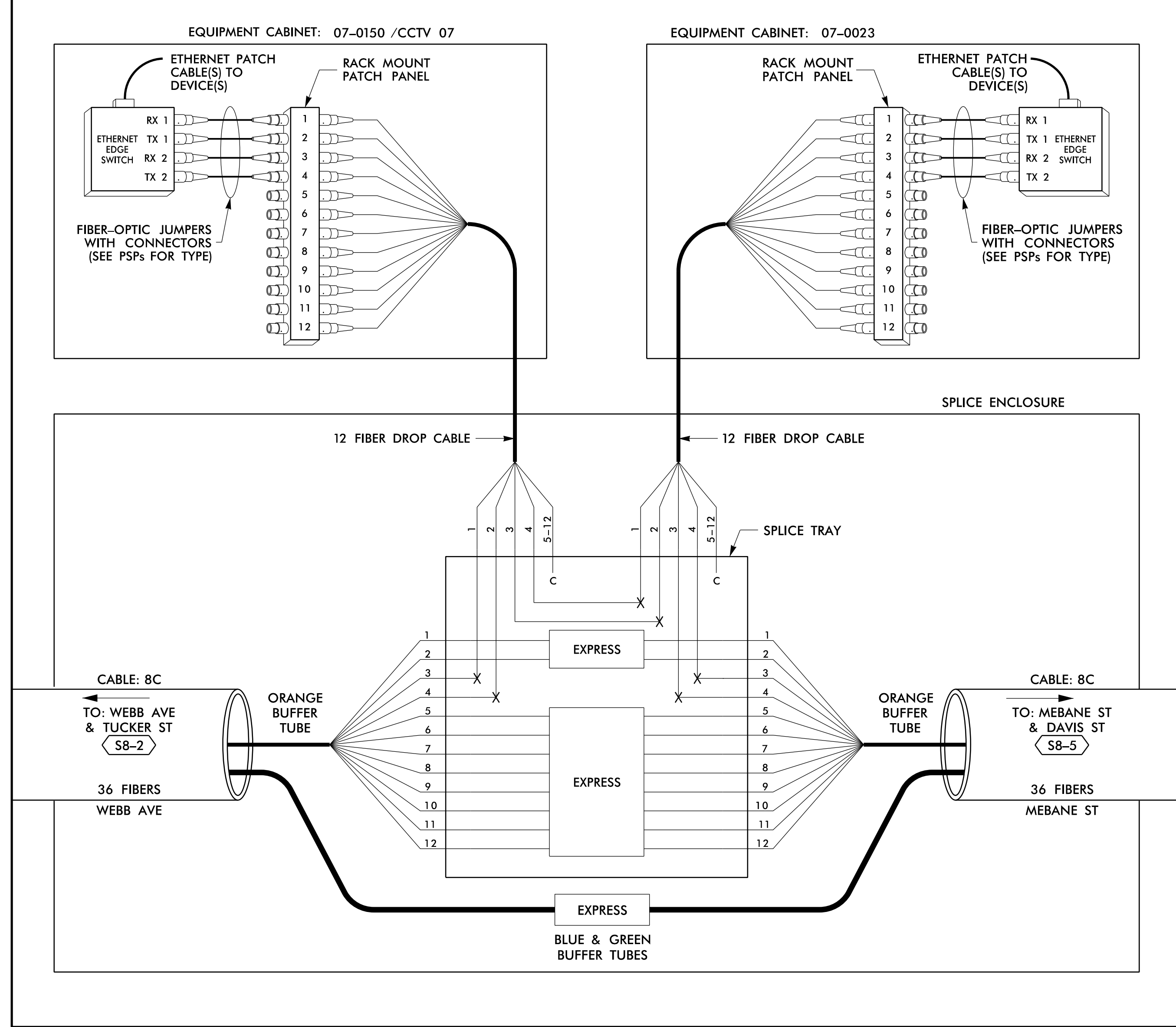
	Prepared for the Offices of: <b>Burlington-Graham Signal System Fiber-Optic Splicing Details</b>		
	Division 7 Alamance County	Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES
SCALE: N/A	REVISIONS	INIT.	DATE
CADD File name: FS_4.050.dgn			DATE: 5/15/2018

14 JUN 2018 12:20  
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**SPLICE NO.**

**S8-4**

MEBANE ST & WEBB AVE  
SEE: CRP-6.120



**LEGEND**

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COLOR CODE	TIA/EIA	598-B			
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING		
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR		
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.		
(4) BROWN	(10) VIOLET				
(5) SLATE	(11) ROSE				
(6) WHITE	(12) AQUA				

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

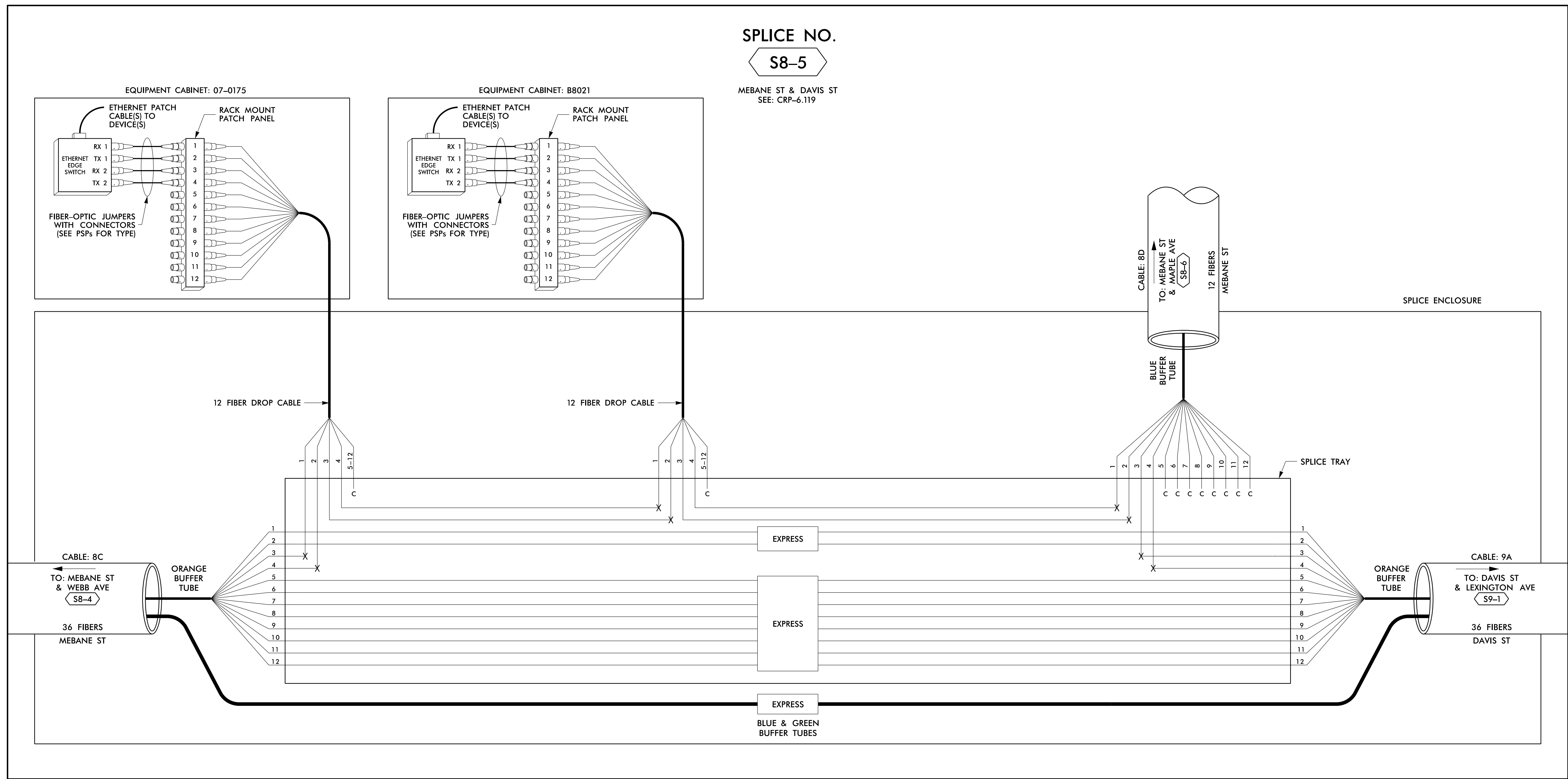
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	Burlington-Graham Signal System Fiber-Optic Splicing Details		
	Division 7 Alamance County	Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	PREPARED BY: BJ SLOCUM	
SCALE: N/A	REVISIONS	INIT.	DATE
750 Greenfield Parkway, Garner, NC 27529			SEAL BRADFORD J. SLOCUM ENGINEER 15/2018

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 SLOCUM363 AT LUS355433

**SPLICE NO.**  
**S8-5**

MEBANE ST & DAVIS ST  
 SEE: CRP-6.119



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

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- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	Prepared for the Offices of: DIVISION OF TRANSPORTATION NORTH CAROLINA	
	Burlington-Graham Signal System Fiber-Optic Splicing Details	
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES
	750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	REVISIONS INIT. DATE

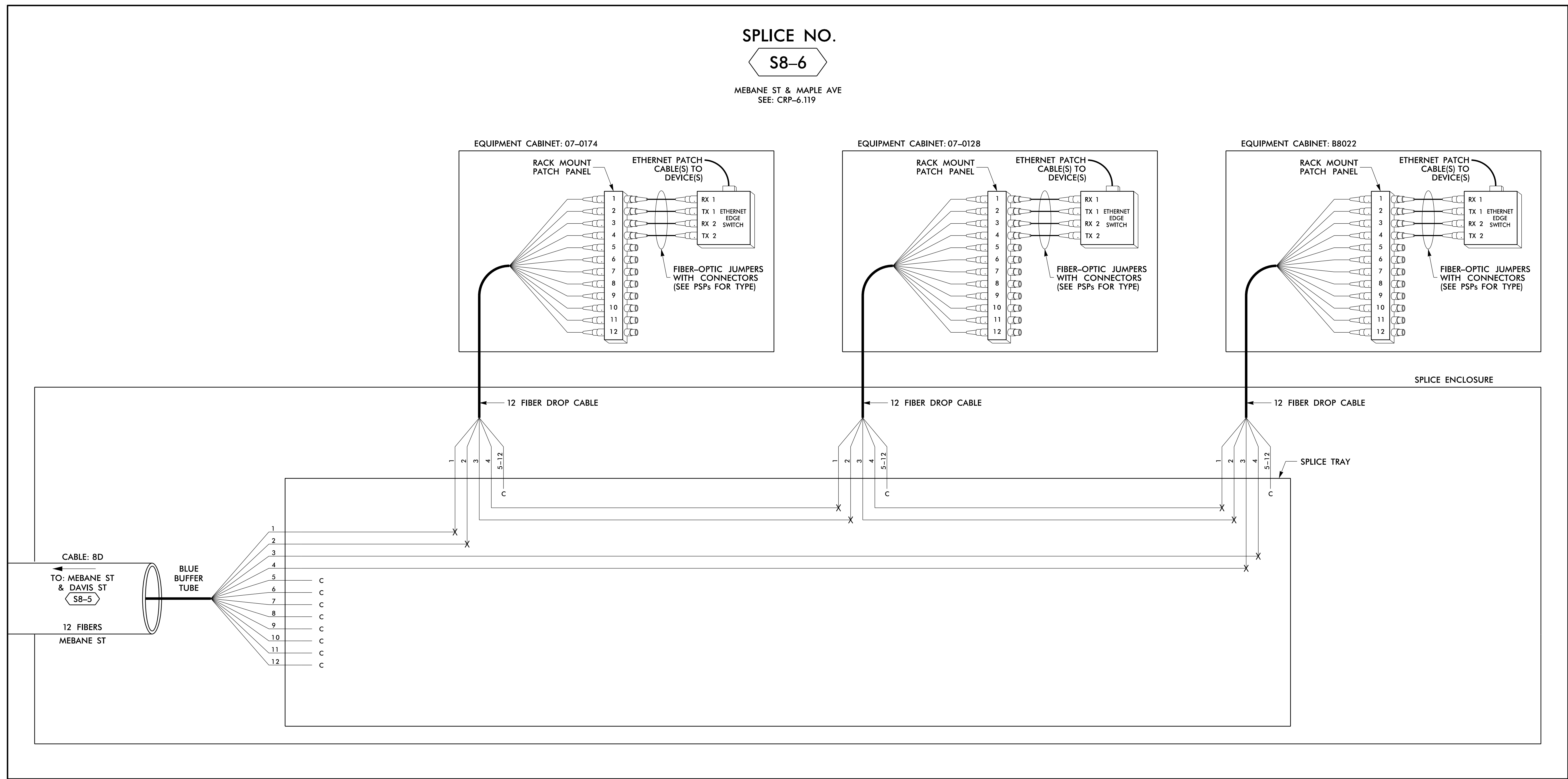
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 SLOCUM363 AT LUS355433



**SPLICE NO.**

**S8-6**

MEBANE ST & MAPLE AVE  
SEE: CRP-6.119



**LEGEND**

<table border="1"> <tr> <td>COLOR CODE</td> <td>TIA/EIA</td> <td>598-B</td> </tr> </table>		COLOR CODE	TIA/EIA	598-B	X = FUSION SPLICE INDIVIDUAL FIBER C = CAP AND SEAL
COLOR CODE	TIA/EIA	598-B			
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING		
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR		
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.		
(4) BROWN	(10) VIOLET				
(5) SLATE	(11) ROSE				
(6) WHITE	(12) AQUA				

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

<p>750 Greenfield Parkway, Garner, NC 27529</p>	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Division 7 Alamance County Burlington & Graham		
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
	PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
	SCALE: N/A	REVISIONS: _____ INIT.: _____ DATE: _____	

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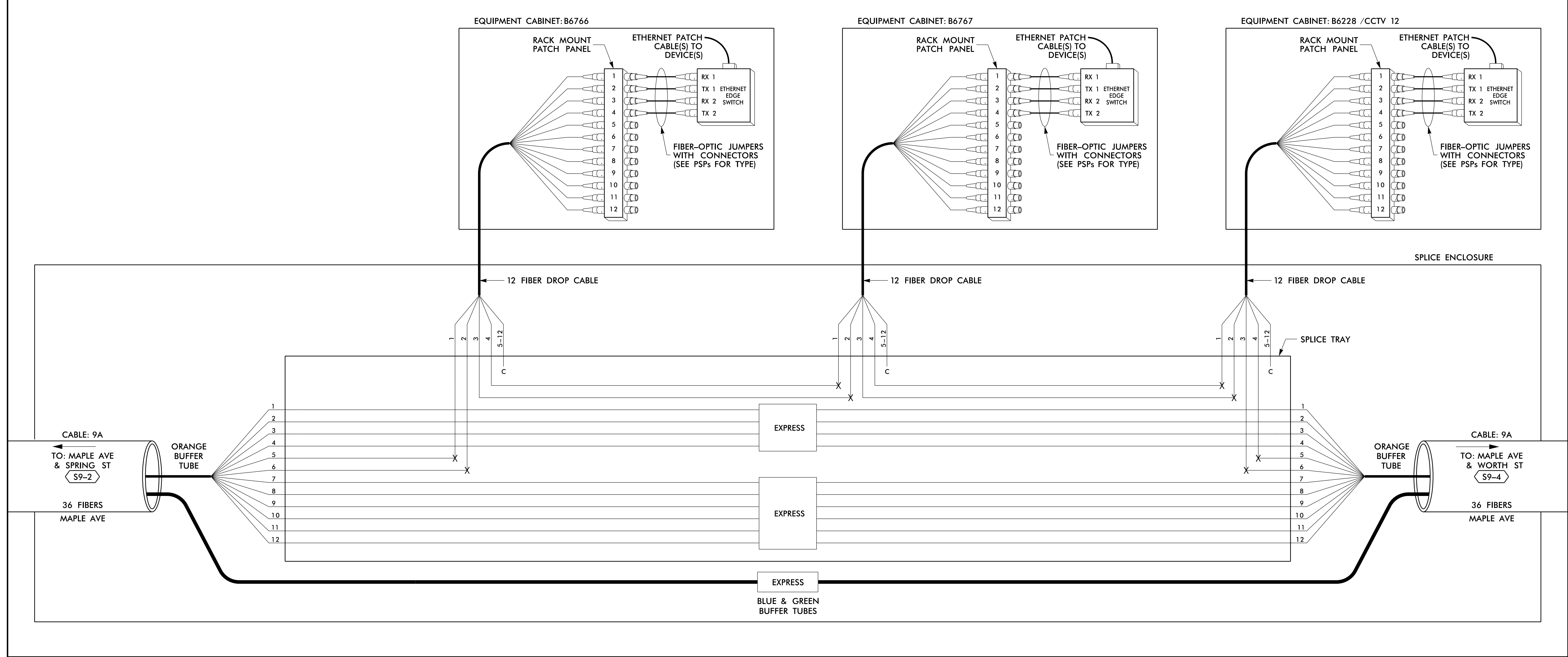






**SPLICE NO.**  
**S9-3**

MAPLE AVE & MAIN ST  
SEE: CRP-6.116



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**LEGEND**


COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS
(3) GREEN	(9) YELLOW	BUFFER SPLICE
(4) BROWN	(10) VIOLET	EXISTING
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING  
 SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR  
 EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

**NOTES**

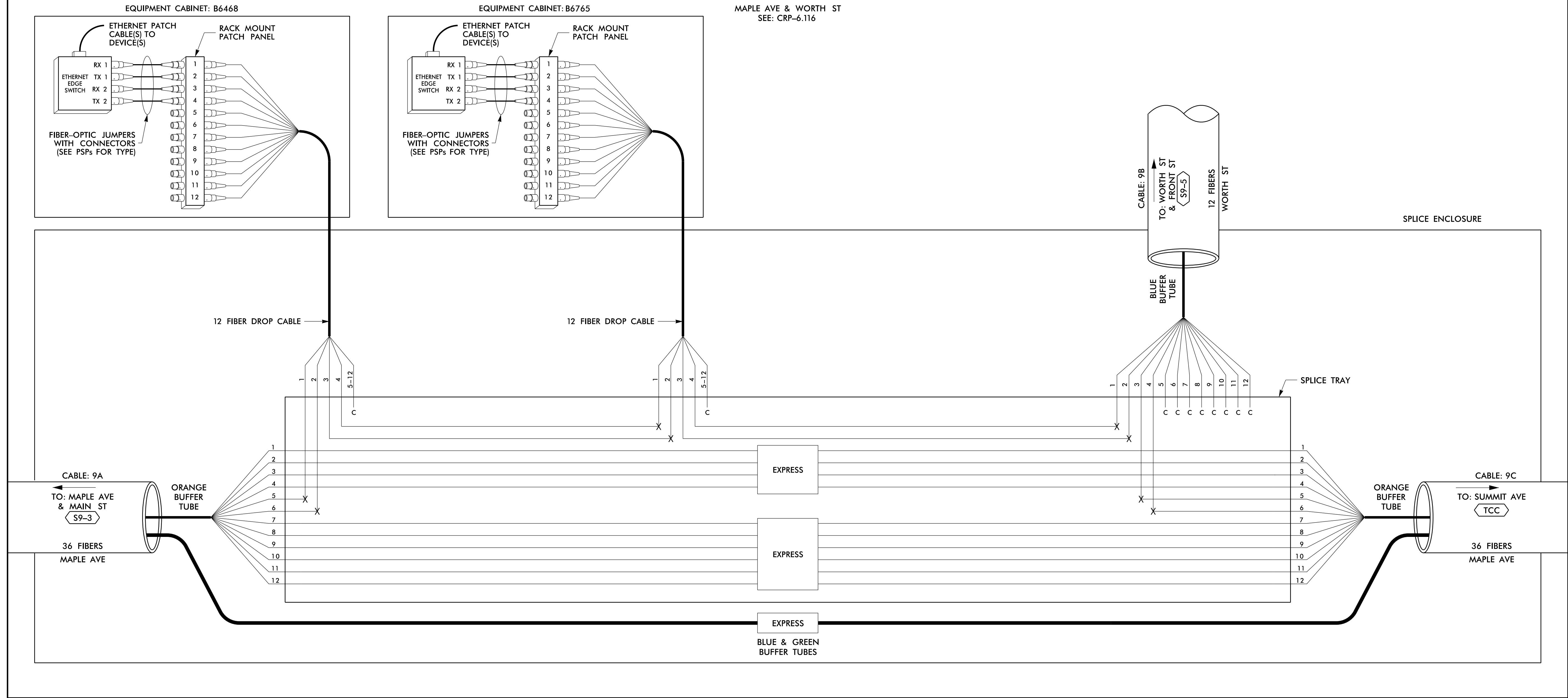
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

Prepared for the Offices of:  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Burlington-Graham Signal System Fiber-Optic Splicing Details			
Division 7 Alamance County		Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT		
PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES		
SCALE: N/A		REVISIONS:	
	INIT.	DATE	
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018		DATE	
CADD File name: FS 4.056.dgn			

**SPLICE NO.**  
**S9-4**

MAPLE AVE & WORTH ST  
 SEE: CRP-6.116



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**LEGEND**

(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

X = FUSION SPLICE INDIVIDUAL FIBER  
 C = CAP AND SEAL

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

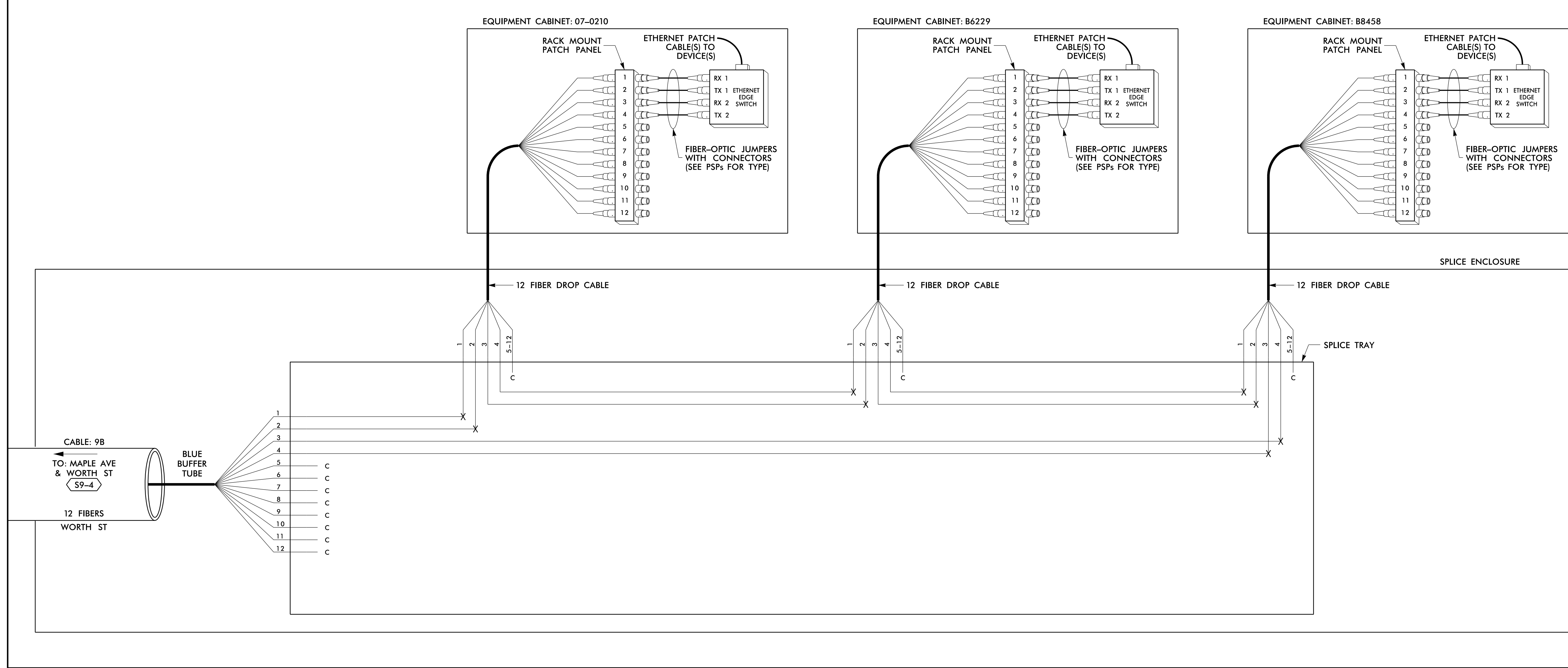
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Burlington-Graham Signal System Fiber-Optic Splicing Details Division 7 Alamance County Burlington & Graham		
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	
PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES	
SCALE: N/A	REVISIONS	INIT. DATE

750 Greenfield Parkway, Garner, NC 27529  
 CAD00 File name: FS\_4.057.dgn

**SPLICE NO.**

**S9-5**

WORTH ST & FRONT ST  
SEE: CRP-6.127



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING	
(3) GREEN	(9) YELLOW	BUFFER SPLICE	
(4) BROWN	(10) VIOLET	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR	
(5) SLATE	(11) ROSE	EXISTING	
(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.	

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

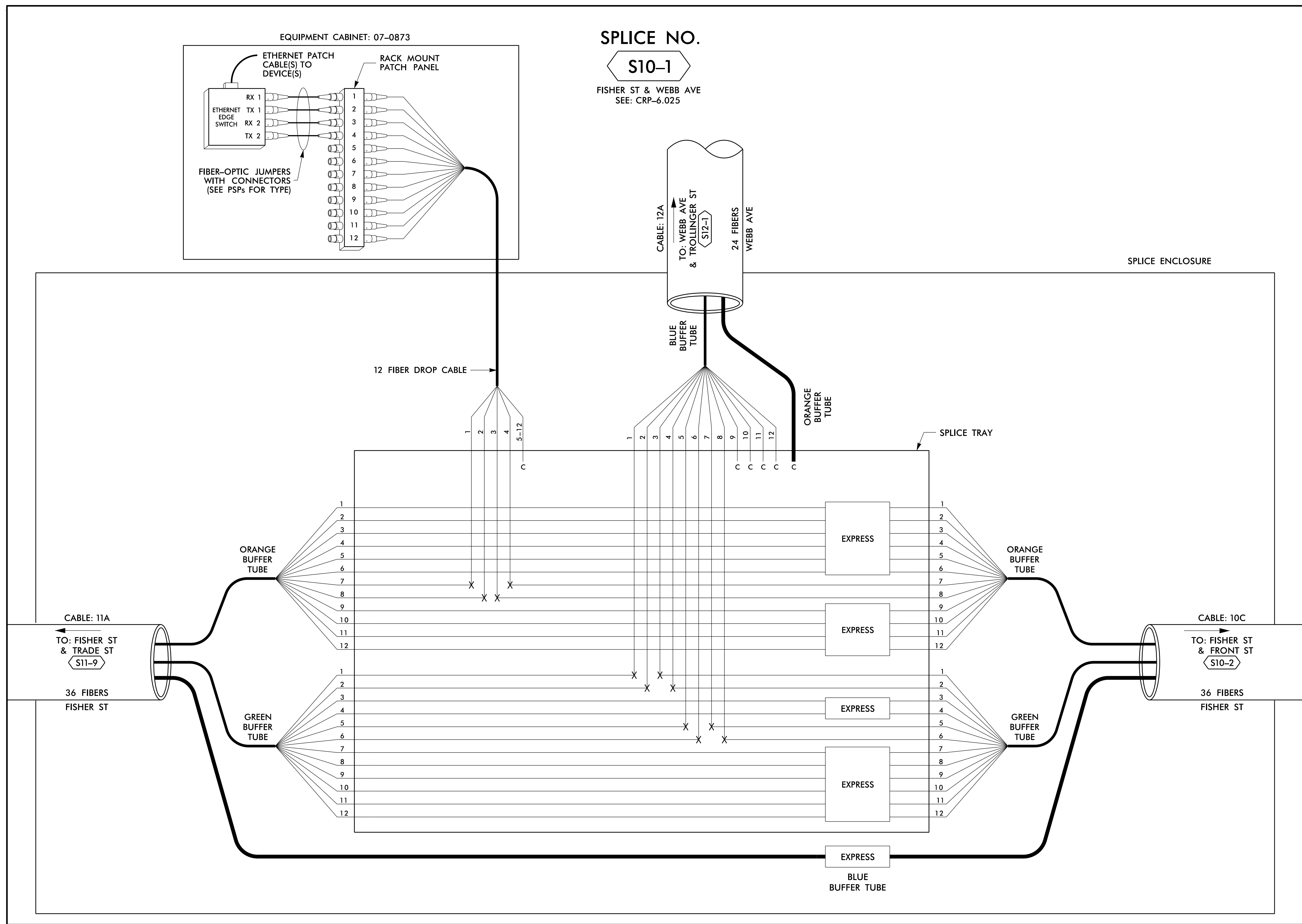
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

	Prepared for the Offices of: <b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Alamance County REVIEWED BY: HA BADGETT DL JONES	
750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	REVISIONS: _____ INIT.: _____ DATE: _____		DATE: 15/2018 CADD File name: FS 4.058.dgn

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**SPLICE NO.**  
**S10-1**  
 FISHER ST & WEBB AVE  
 SEE: CRP-6.025

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**LEGEND**

<b>COLOR CODE</b> TIA/EIA 598-B	X = FUSION SPLICE INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE (7) RED	C = CAP AND SEAL	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE (8) BLACK		EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(3) GREEN (9) YELLOW			
(4) BROWN (10) VIOLET			
(5) SLATE (11) ROSE			
(6) WHITE (12) AQUA			

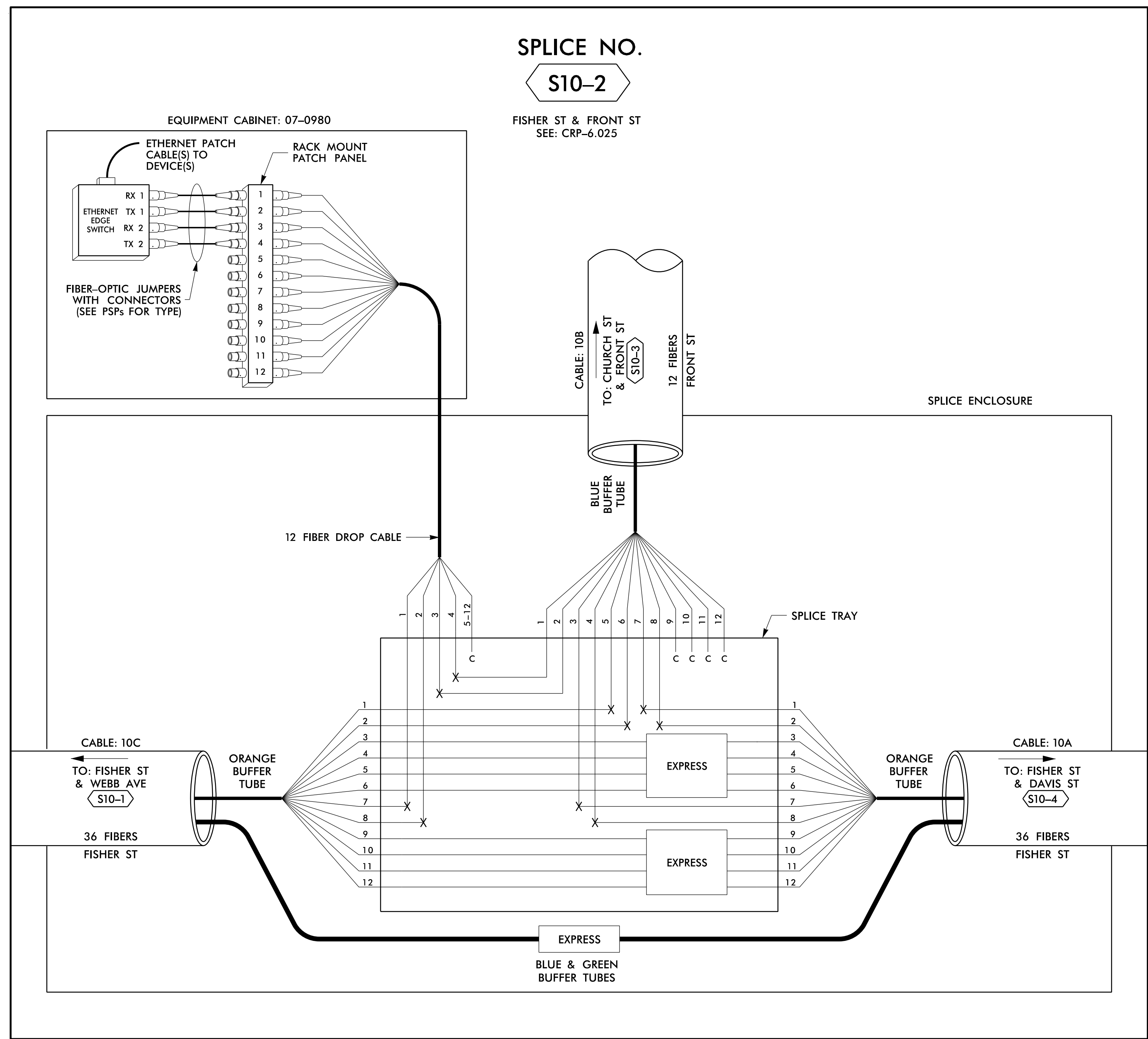
- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 Alamance County Burlington & Graham	REVIEWED BY: HA BADGETT	
PLAN DATE: June 2018	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES	DATE: 6/15/2018
SCALE: N/A	REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CADD File name: FS 4.059.dgn



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**LEGEND**

<b>COLOR CODE</b> TIA/EIA 598-B	X = FUSION SPlice INDIVIDUAL FIBER
(1) BLUE (7) RED	C = CAP AND SEAL
(2) ORANGE (8) BLACK	
(3) GREEN (9) YELLOW	<b>EXPRESS</b> EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(4) BROWN (10) VIOLET	<b>BUFFER SPlice</b> SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE (11) ROSE	<b>EXISTING</b> EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(6) WHITE (12) AQUA	

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPlice TRAY
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEs #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 Alamance County Burlington & Graham		
PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES		
SCALE: N/A	REVISIONS	INIT. DATE	DATE
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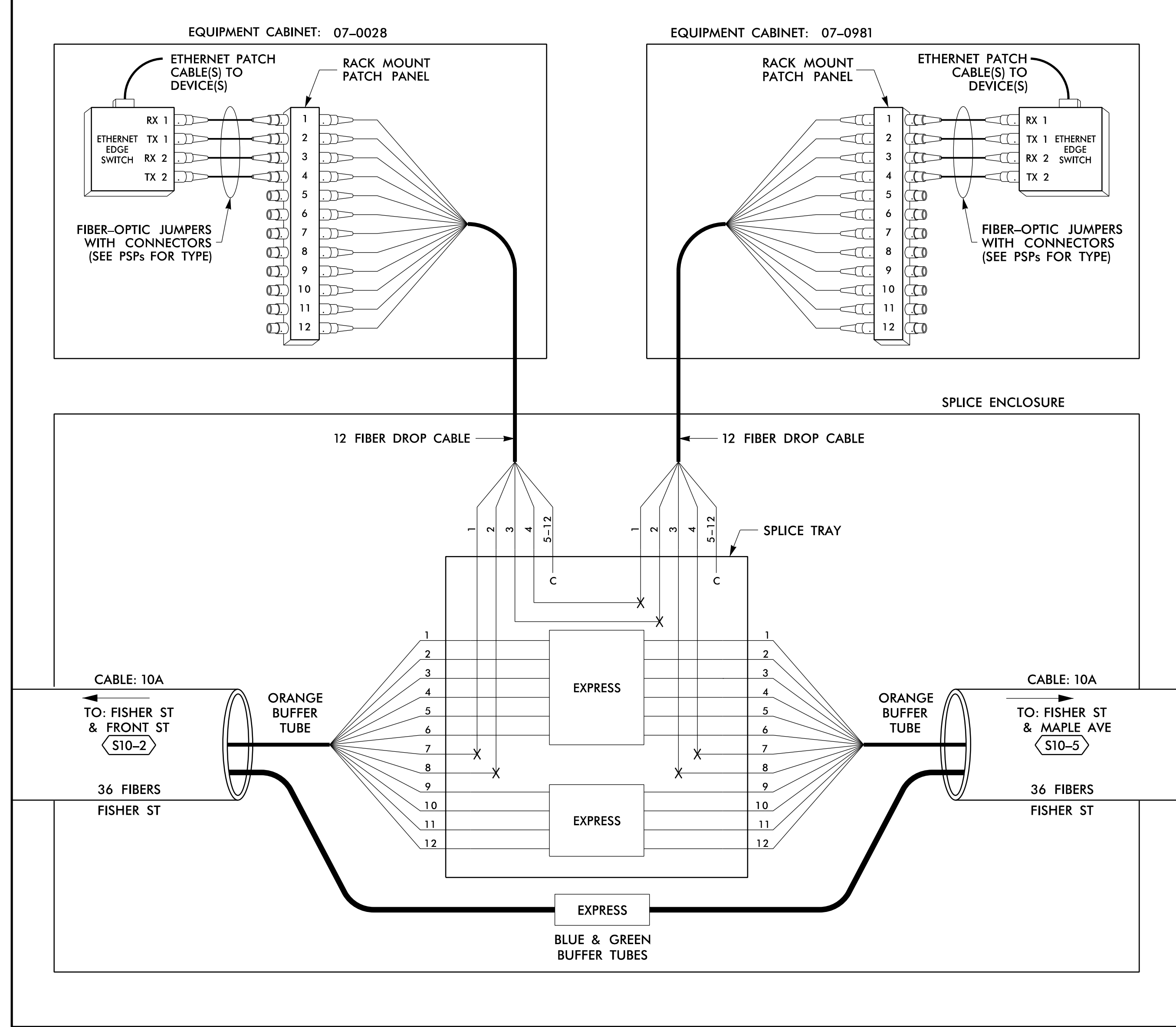




**SPLICE NO.**

**S10-4**

FISHER ST & DAVIS ST  
SEE: CRP-6.025



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
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(6) WHITE	(12) AQUA		

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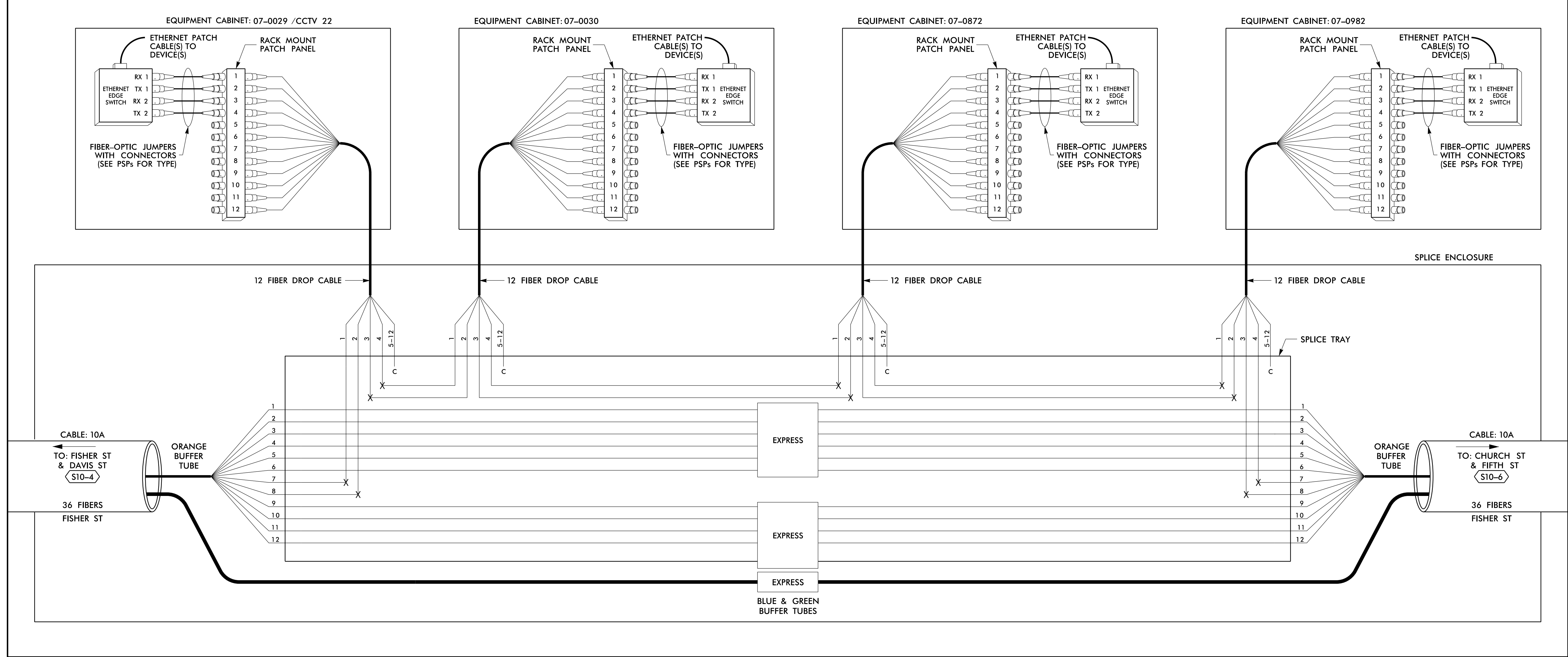
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Division 7		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM ENGINEER 15/2018 DATE
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	Alameda County Burlington & Graham PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	REVISIONS INIT. DATE

**SPLICE NO.**  
**S10-5**

FISHER ST & MAPLE AVE  
 SEE: CRP-6.024



**LEGEND**

COLOR CODE TIA/EIA 598-B	X = FUSION SPLICE INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE	(8) BLACK	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

- NOTES**
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  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

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**ATKINS**

1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBES #F-0326

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

Burlington-Graham Signal System  
 Fiber-Optic Splicing Details

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: HA BADGETT

PREPARED BY: BJ SLOCUM REVIEWED BY: DL JONES

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 040877

BRADFORD J. SLOCUM  
 ENGINEER

15/2018

DATE

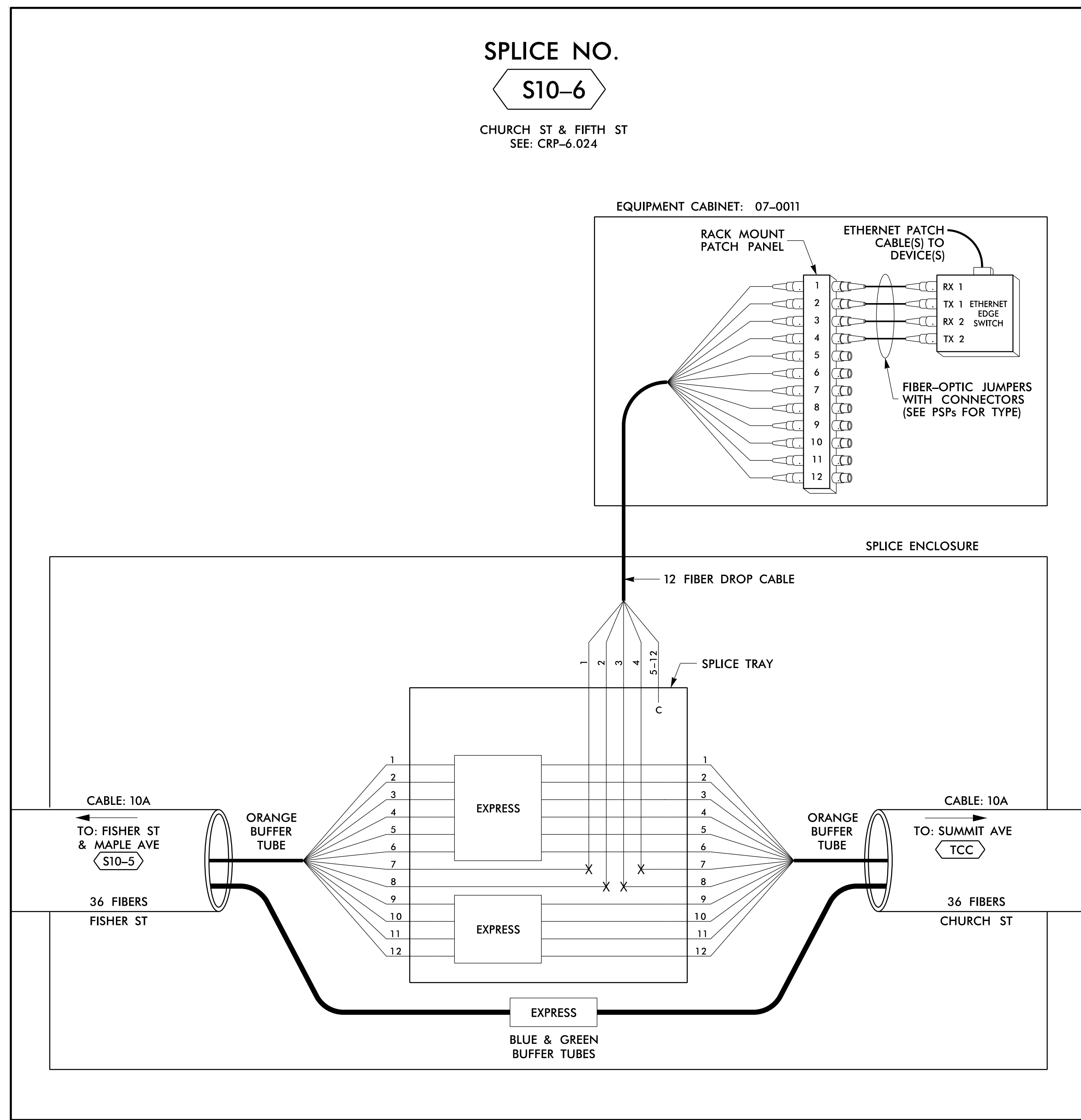
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750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A

**SPLICE NO.**

**S10-6**

CHURCH ST & FIFTH ST  
SEE: CRP-6.024



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	C = CAP AND SEAL	BUFFER SPlice	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE	(8) BLACK		EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(3) GREEN	(9) YELLOW			
(4) BROWN	(10) VIOLET			
(5) SLATE	(11) ROSE			
(6) WHITE	(12) AQUA			

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

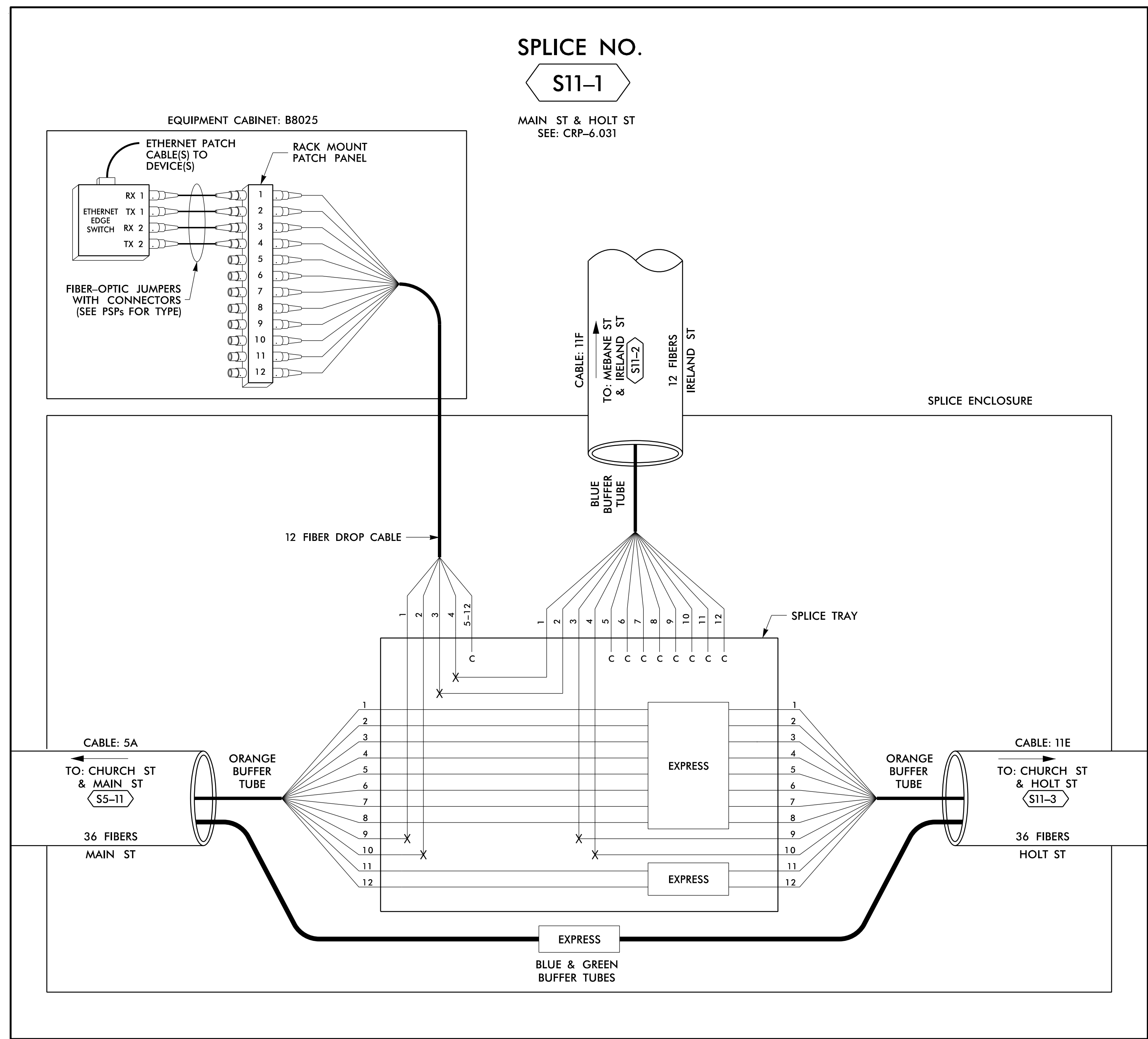
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 Alamance County	Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES
SCALE: N/A	REVISIONS	INIT.	DATE
CAD0 File name: FS_4.064.dgn			

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### LEGEND

<b>COLOR CODE</b> TIA/EIA 598-B	X = FUSION SPlice INDIVIDUAL FIBER
(1) BLUE (7) RED	C = CAP AND SEAL
(2) ORANGE (8) BLACK	<b>EXPRESS</b>
(3) GREEN (9) YELLOW	<b>EXPRESS</b> ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(4) BROWN (10) VIOLET	<b>BUFFER SPlice</b>
(5) SLATE (11) ROSE	<b>BUFFER SPlice</b> SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(6) WHITE (12) AQUA	<b>EXISTING</b>
	<b>EXISTING</b> BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

- ### NOTES
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEE# F-0326

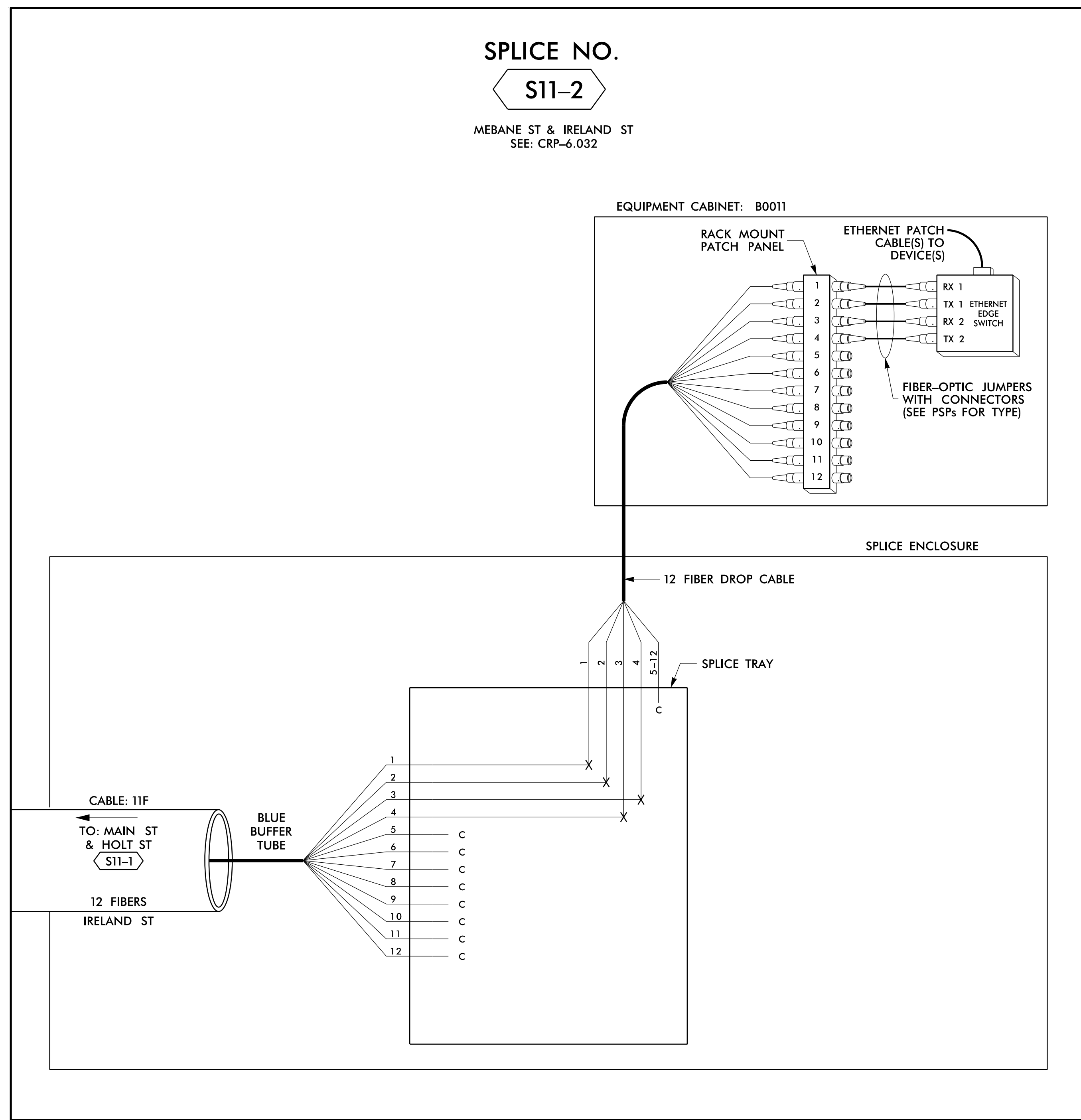
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 Alamance County	Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES
SCALE: N/A	REVISIONS	INIT.	DATE
CADD File name: FS 4.065.dgn			

**SPLICE NO.**

**S11-2**

MEBANE ST & IRELAND ST  
SEE: CRP-6.032



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBES #F-0326

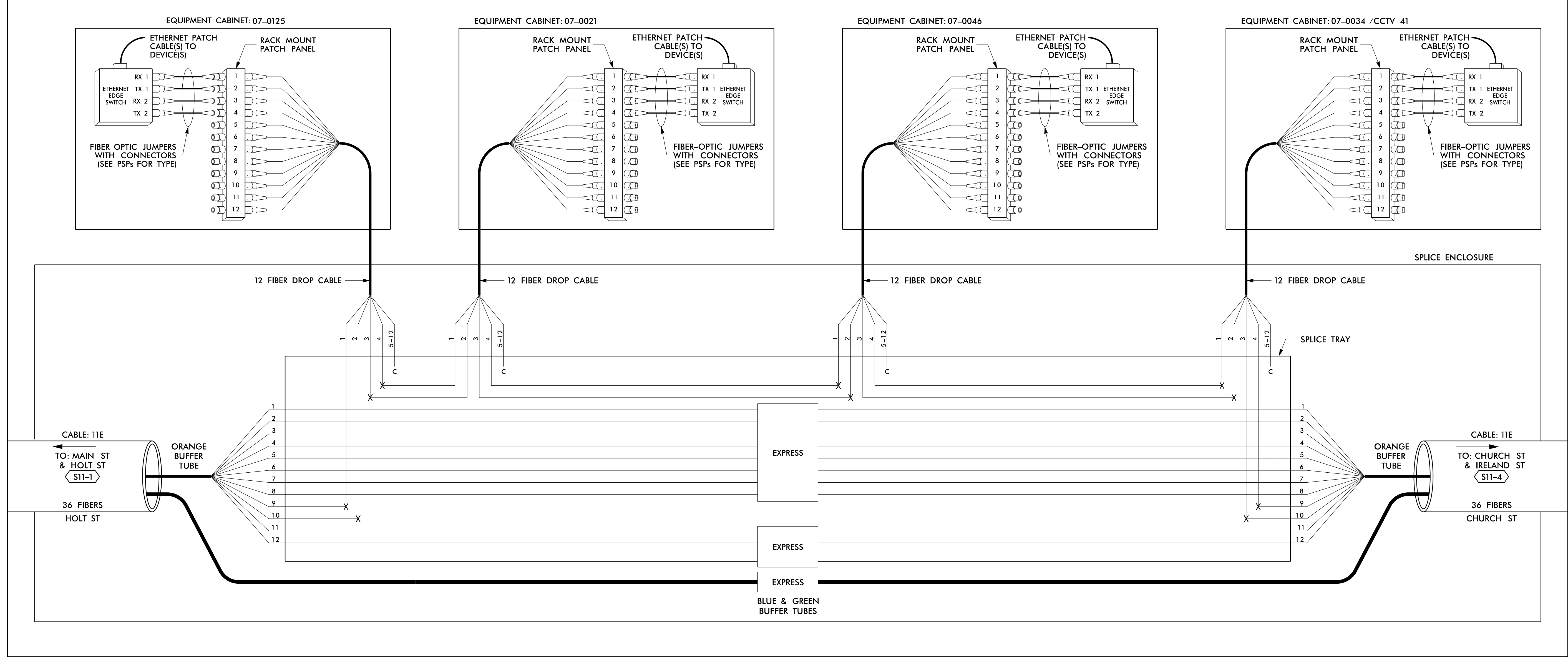
**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

<p>Prepared for the Offices of:                  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION                  Transportation Systems</p>	Burlington-Graham Signal System Fiber-Optic Splicing Details		
	Division 7 Alamance County Burlington & Graham		
PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES		
SCALE: N/A	REVISIONS	INIT. DATE	DATE

DocuSign  
 Bradford J. Slocum  
 6/15/2018  
 DATE  
 CADD File name: FS 4.066.dgn

**SPLICE NO.**  
**S11-3**

CHURCH ST & HOLT ST  
 SEE: CRP-6.028



**LEGEND**

EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

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**ATKINS**

1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBES #F-0326

**Burlington-Graham Signal System**  
**Fiber-Optic Splicing Details**

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: HA BADGETT

PREPARED BY: BJ SLOCUM REVIEWED BY: DL JONES

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 040877

BRADFORD J. SLOCUM

DATE 6/15/2018

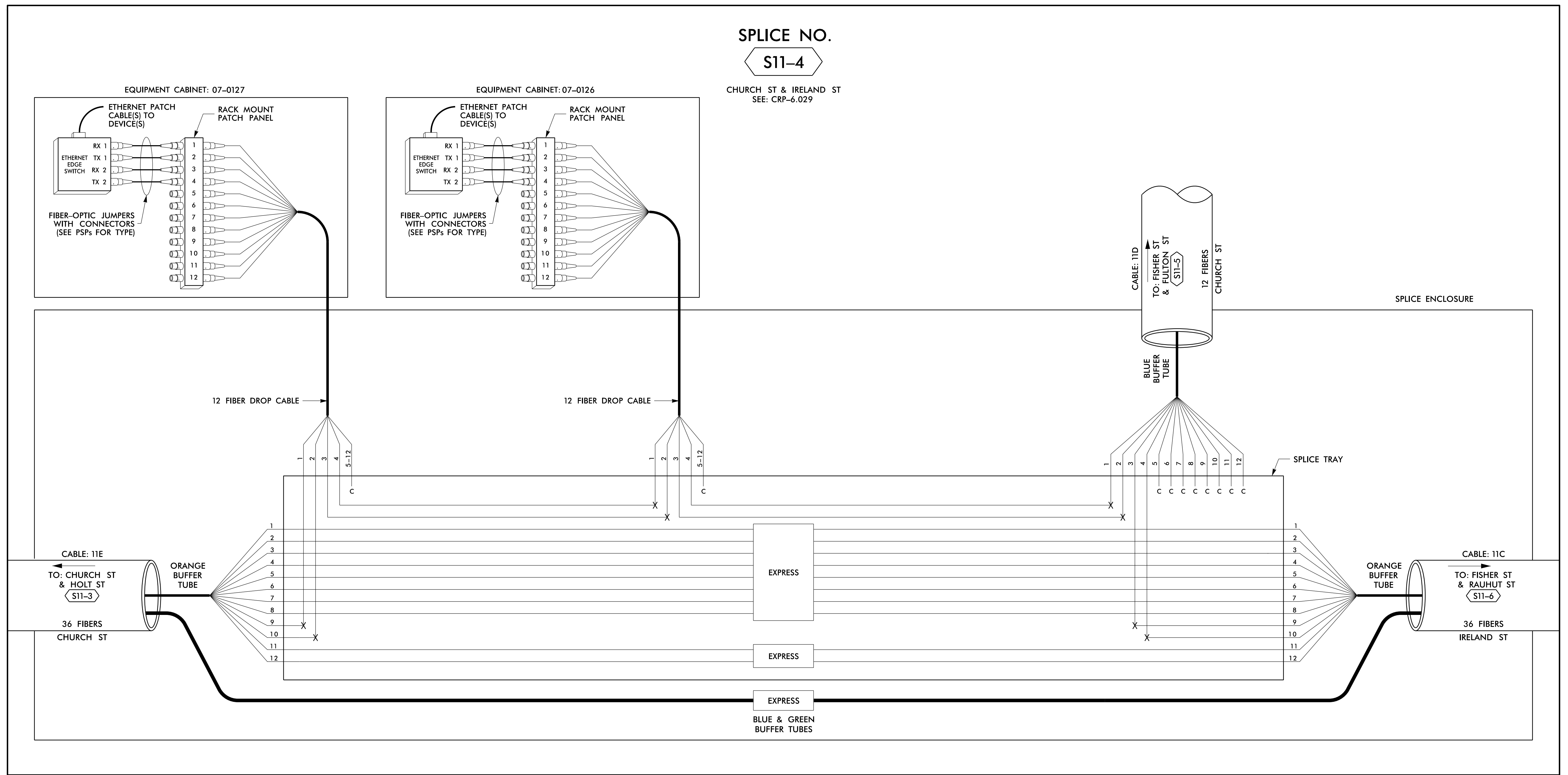
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CADD File name: FS 4.067.dgn



SPLICE NO. S11-4

CHURCH ST & IRELAND ST SEE: CRP-6.029



LEGEND

Table with 2 columns: COLOR CODE (TIA/EIA 598-B) and DESCRIPTION. Includes entries for EXPRESS, BUFFER SPLICE, and EXISTING fibers.

NOTES

- 1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
3. EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEEES #F-0326

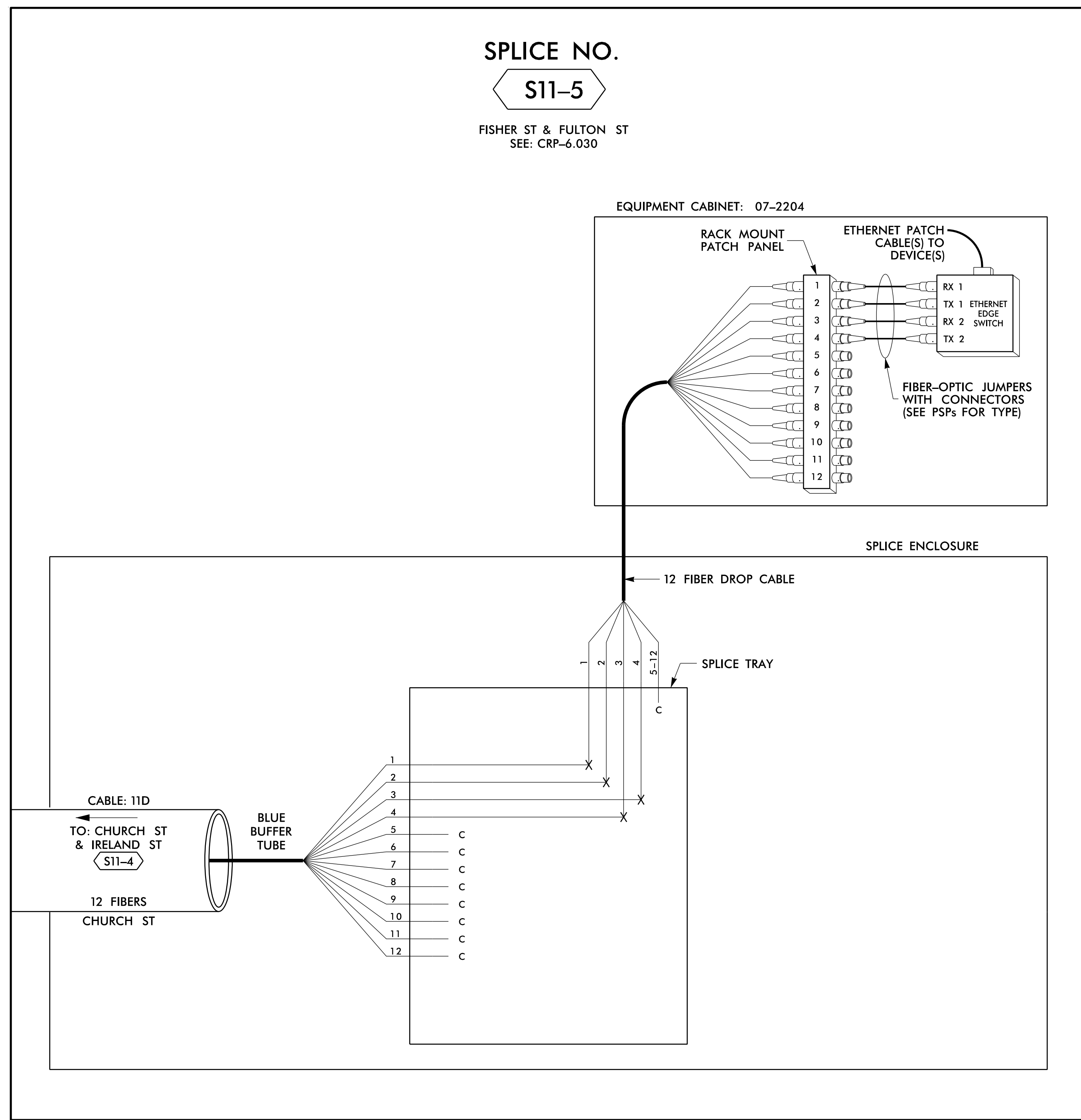
Professional seal area for Bradford J. Slocum, Engineer, North Carolina. Includes project name 'Burlington-Graham Signal System Fiber-Optic Splicing Details', plan date 'June 2018', and a table for revisions.

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**SPLICE NO.**

**S11-5**

FISHER ST & FULTON ST  
SEE: CRP-6.030



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		
		C =	CAP AND SEAL

**NOTES**

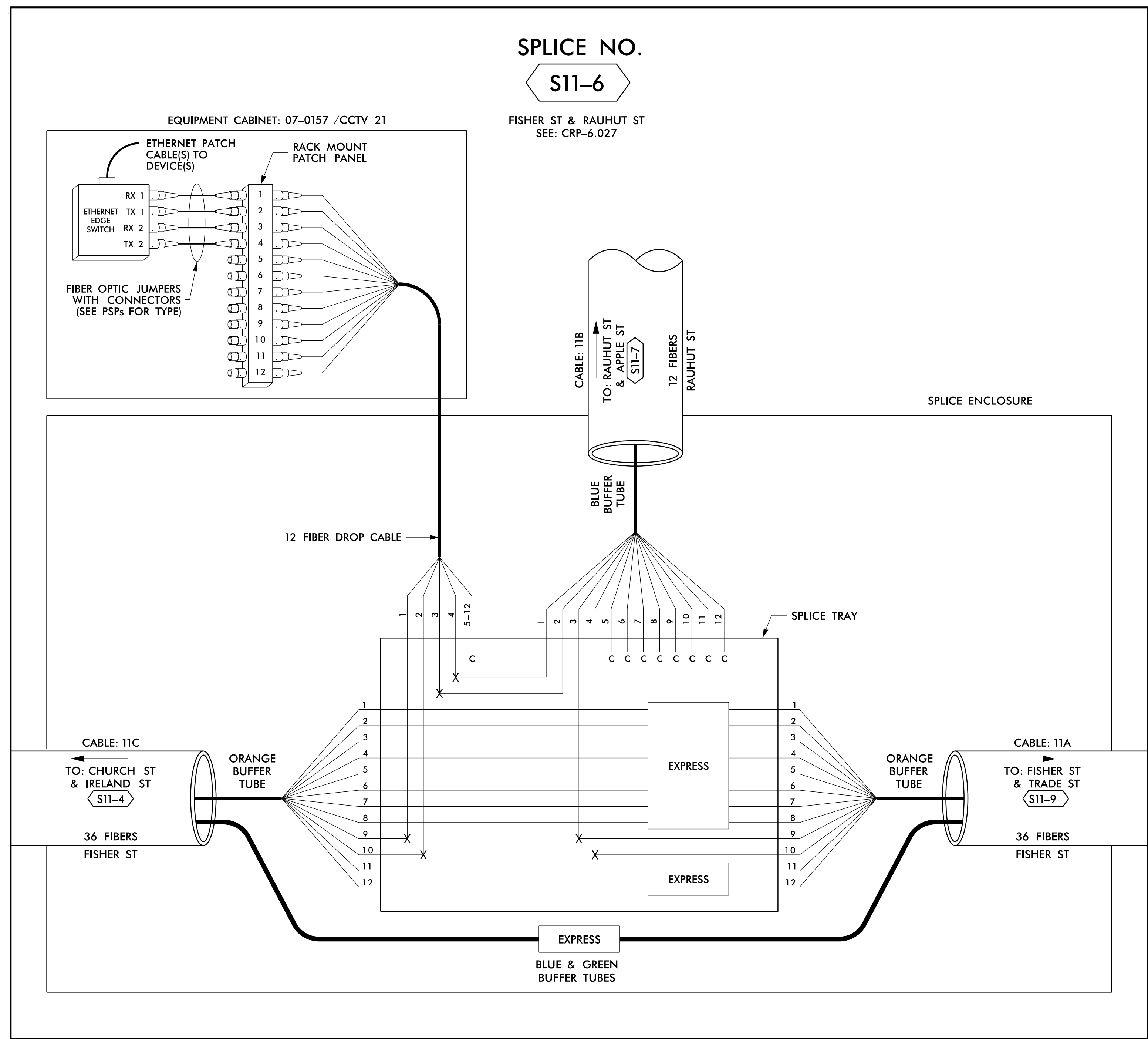
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	<b>Burlington-Graham Signal System</b> Fiber-Optic Splicing Details		
	Division 7 Alamance County	Burlington & Graham	
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES
SCALE: N/A	REVISIONS	INIT.	DATE
750 Greenfield Parkway, Garner, NC 27529			DATE: 15/2018 CADD File name: FS_4.069.dgn

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COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = FUSION SPlice INDIVIDUAL FIBER	EXPRESS
(2) ORANGE	(8) BLACK	C = CAP AND SEAL	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW		BUFFER SPlice
(4) BROWN	(10) VIOLET		SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE		EXISTING
(6) WHITE	(12) AQUA		EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

- NOTES**
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
  - UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
  - EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

**ATKINS**

Prepared for the Offices of:  
  
 750 Greenfield Parkway, Garner, NC 27529

1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEE# F-0326

**Burlington-Graham Signal System  
 Fiber-Optic Splicing Details**

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: HA BADGETT

PREPARED BY: BJ SLOCUM REVIEWED BY: DL JONES

REVISIONS	INIT.	DATE

SCALE: N/A

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 040877  
 BRADFORD J. SLOCUM  
 15/2018  
 DATE

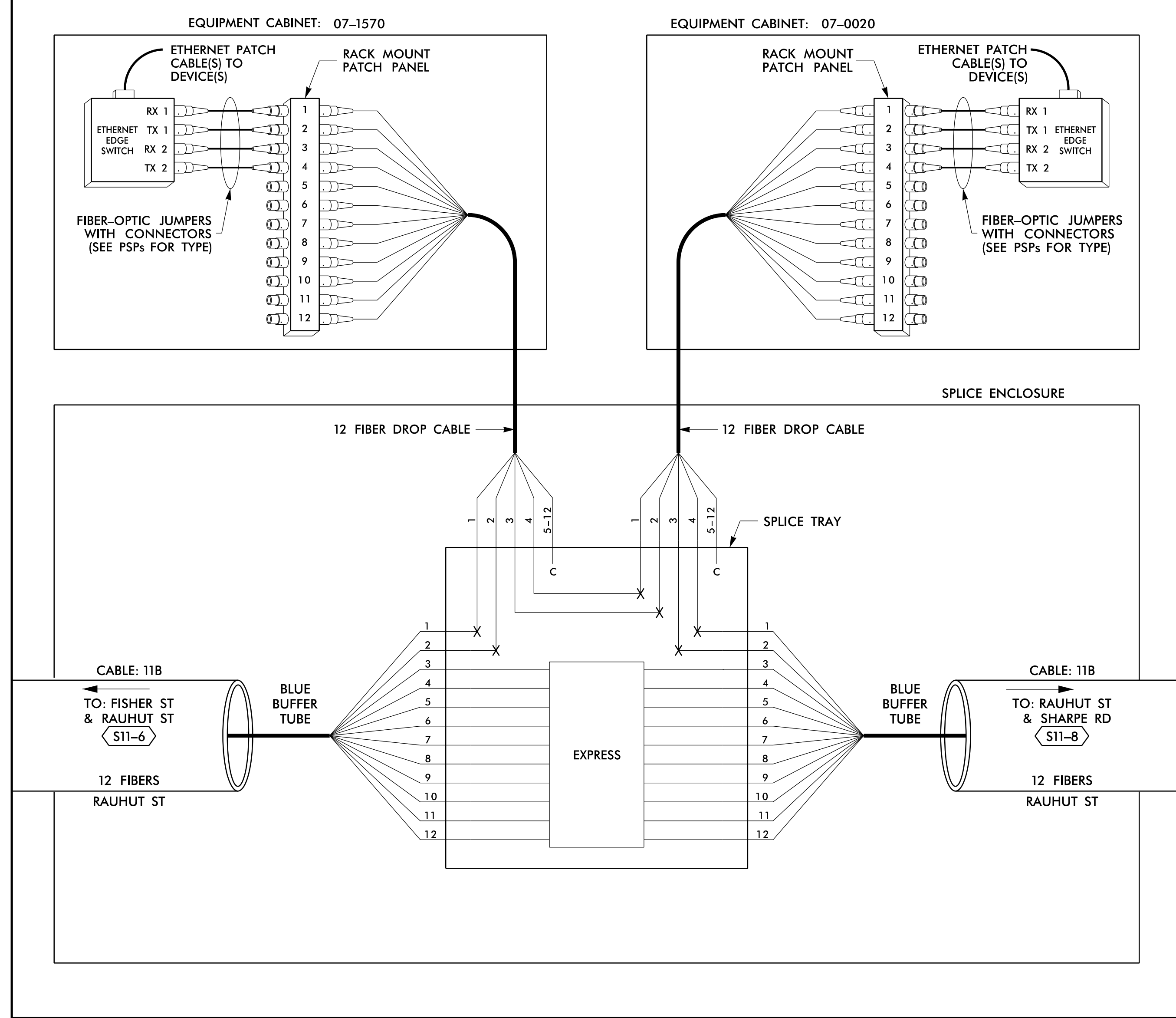
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**SPLICE NO.**

**S11-7**

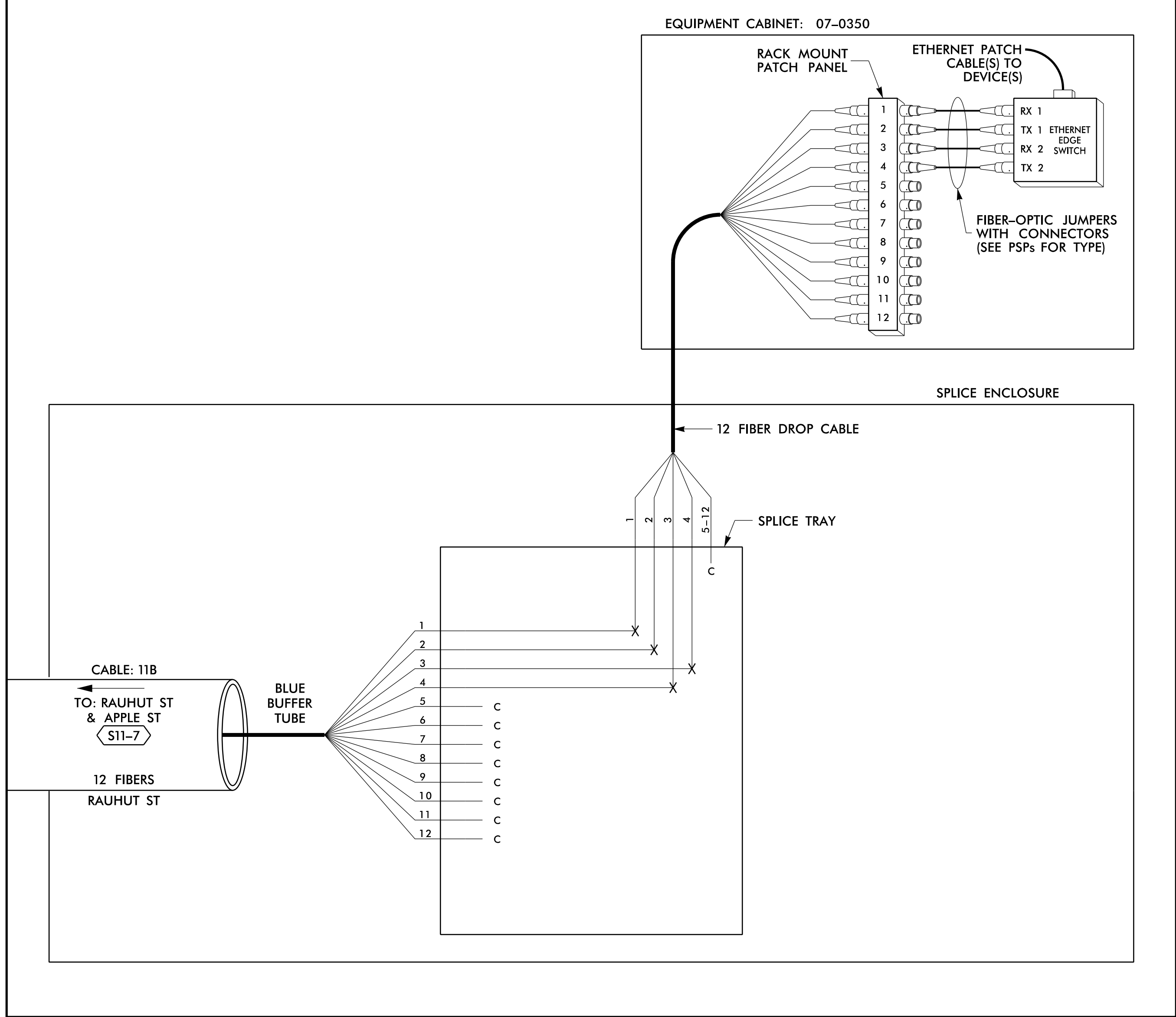
RAUHUT ST & APPLE ST  
SEE: CRP-6.157



**SPLICE NO.**

**S11-8**

RAUHUT ST & SHARPE RD  
SEE: CRP-6.160



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

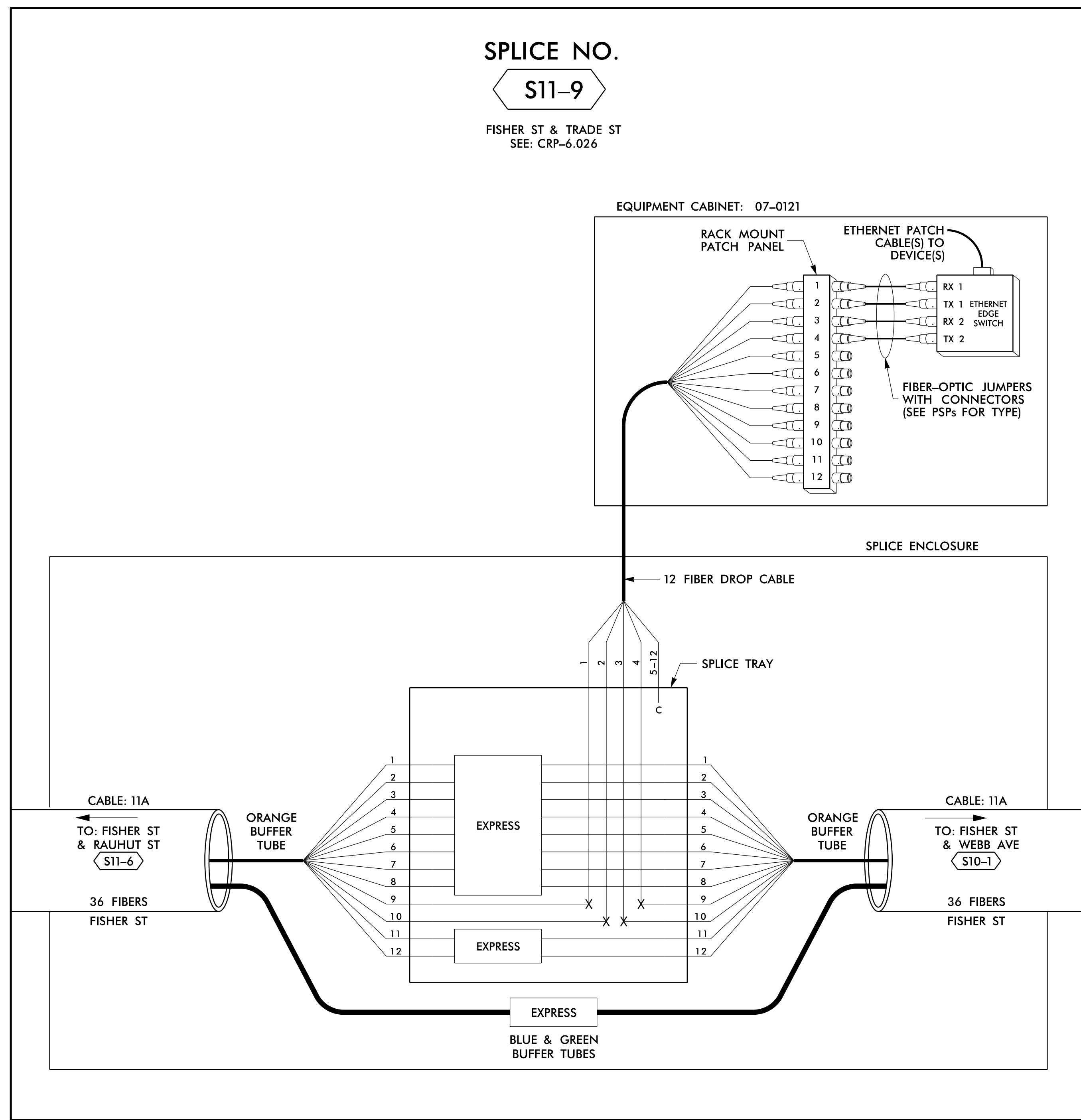
	Prepared for the Offices of: 		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER Bradford J. Slocum
	Burlington-Graham Signal System Fiber-Optic Splicing Details		
Division 7 Alamance County Burlington & Graham	PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	SCALE N/A
REVISIONS		INIT. DATE	DATE

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 SLOCUM AT LUS355433

**SPLICE NO.**

**S11-9**

FISHER ST & TRADE ST  
SEE: CRP-6.026



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**LEGEND**

COLOR CODE T1A61A 598-B		X = FUSION SPlice INDIVIDUAL FIBER C = CAP AND SEAL
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPlice
(4) BROWN	(10) VIOLET	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(5) SLATE	(11) ROSE	EXISTING
(6) WHITE	(12) AQUA	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPlices OR EXPRESSED FIBERS.

**NOTES**

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

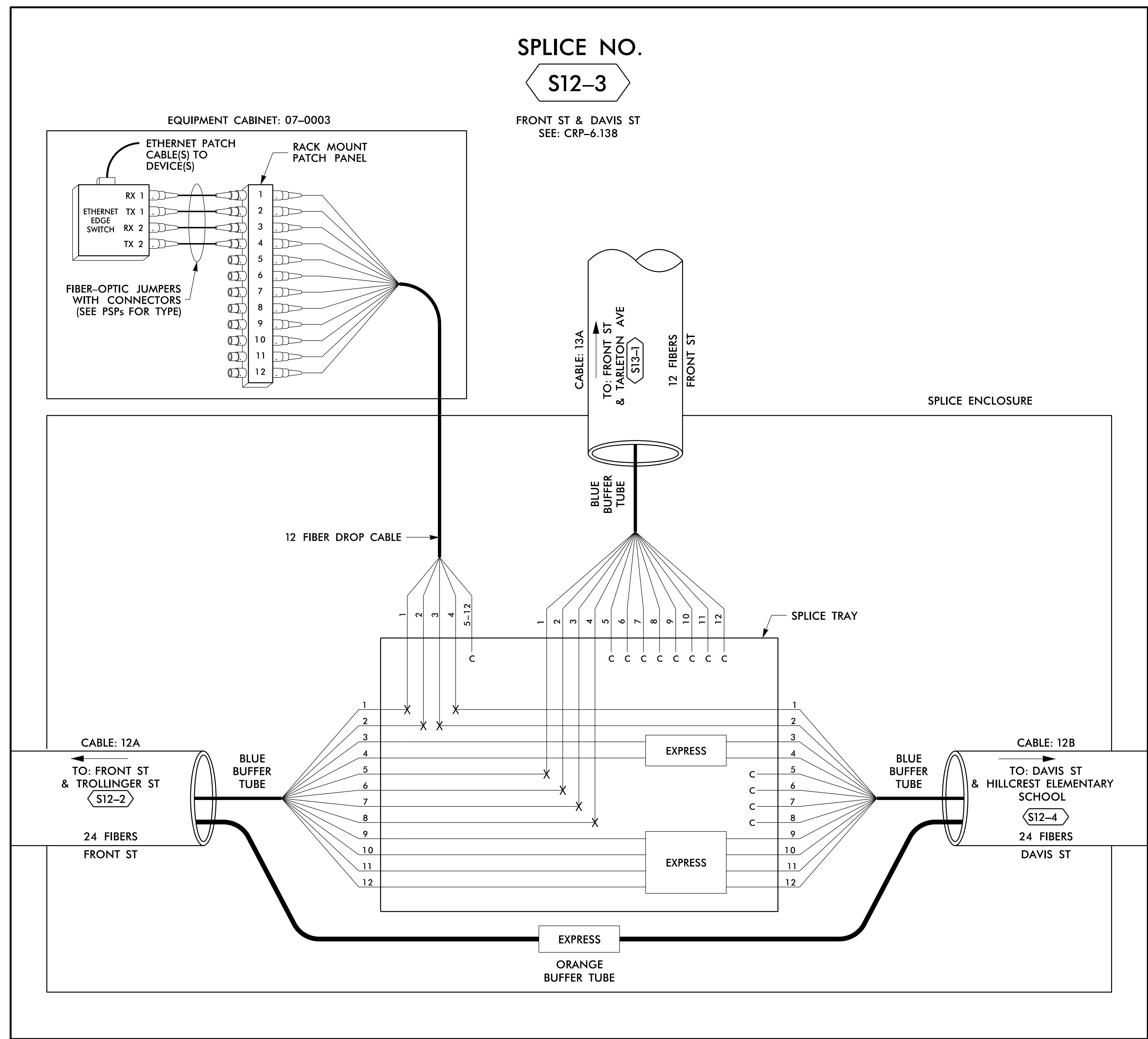
**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Prepared for the Offices of: 750 Greenfield Parkway, Garner, NC 27529	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 15/2018 DATE
	Division 7 Alamance County PLAN DATE: June 2018 PREPARED BY: BJ SLOCUM	Burlington & Graham REVIEWED BY: HA BADGETT REVIEWED BY: DL JONES	
SCALE N/A			CAD File Name: FS 4.072.dgn



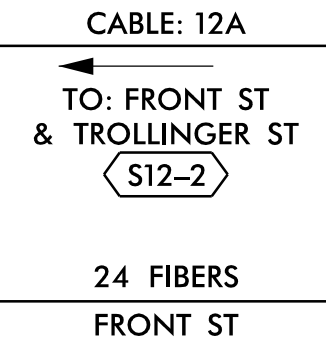
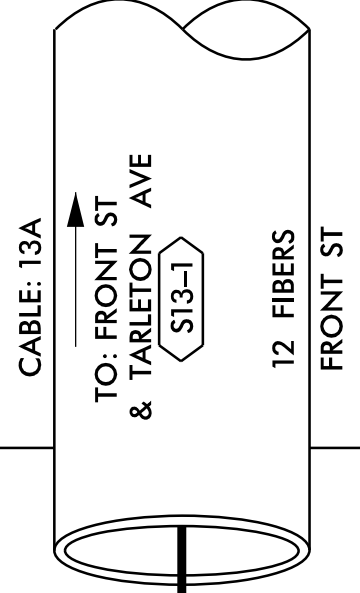
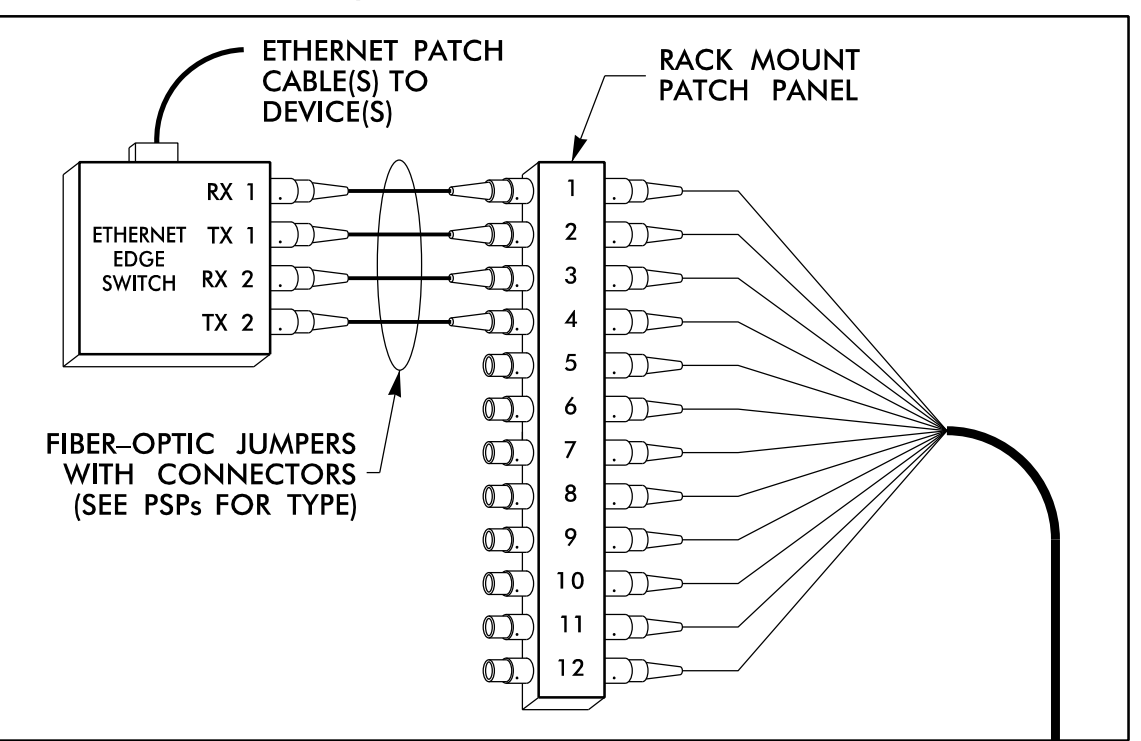




**SPLICE NO.**  
**S12-3**

FRONT ST & DAVIS ST  
 SEE: CRP-6.138

EQUIPMENT CABINET: 07-0003



SPLICE ENCLOSURE

12 FIBER DROP CABLE

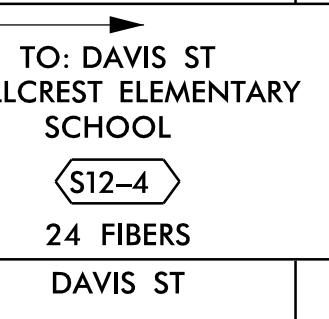
SPLICE TRAY

EXPRESS

EXPRESS

EXPRESS  
 ORANGE BUFFER TUBE

EXPRESS



**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICING INDIVIDUAL FIBER THROUGH WITHOUT CUTTING	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICING	SPLICING ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

**NOTES**

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14 JUN 2018 12:29  
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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

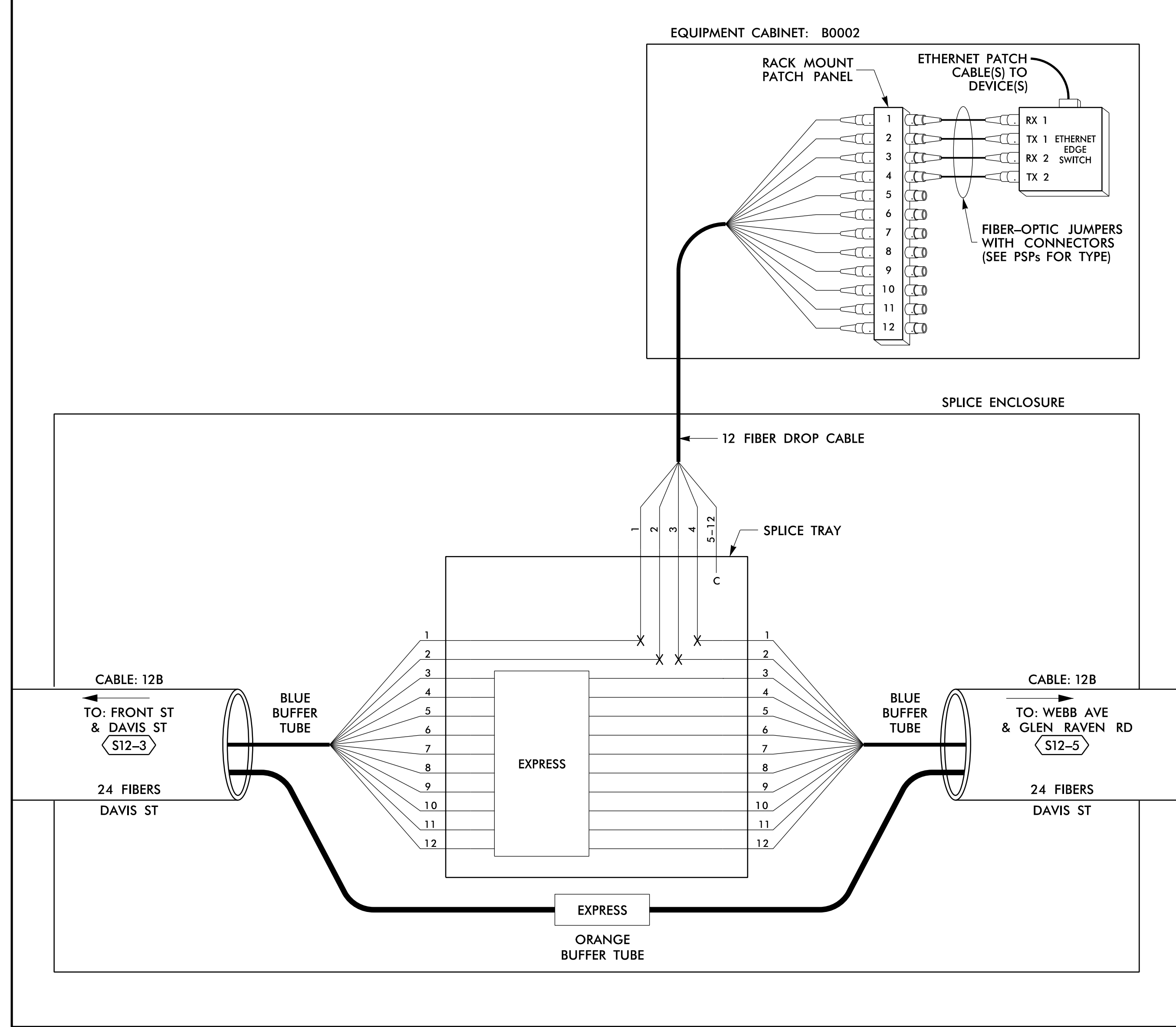
750 Greenfield Parkway, Garner, NC 27529  
 SCALE: N/A

Burlington-Graham Signal System Fiber-Optic Splicing Details		Burlington & Graham	
Division 7	Alamance County		
PLAN DATE: June 2018	REVIEWED BY: HA BADGETT		
PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES		
REVISIONS	INIT.	DATE	

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 040877  
 BRADFORD J. SLOCUM  
 15/2018  
 DATE  
 CADD File name: FS 4.074.dgn

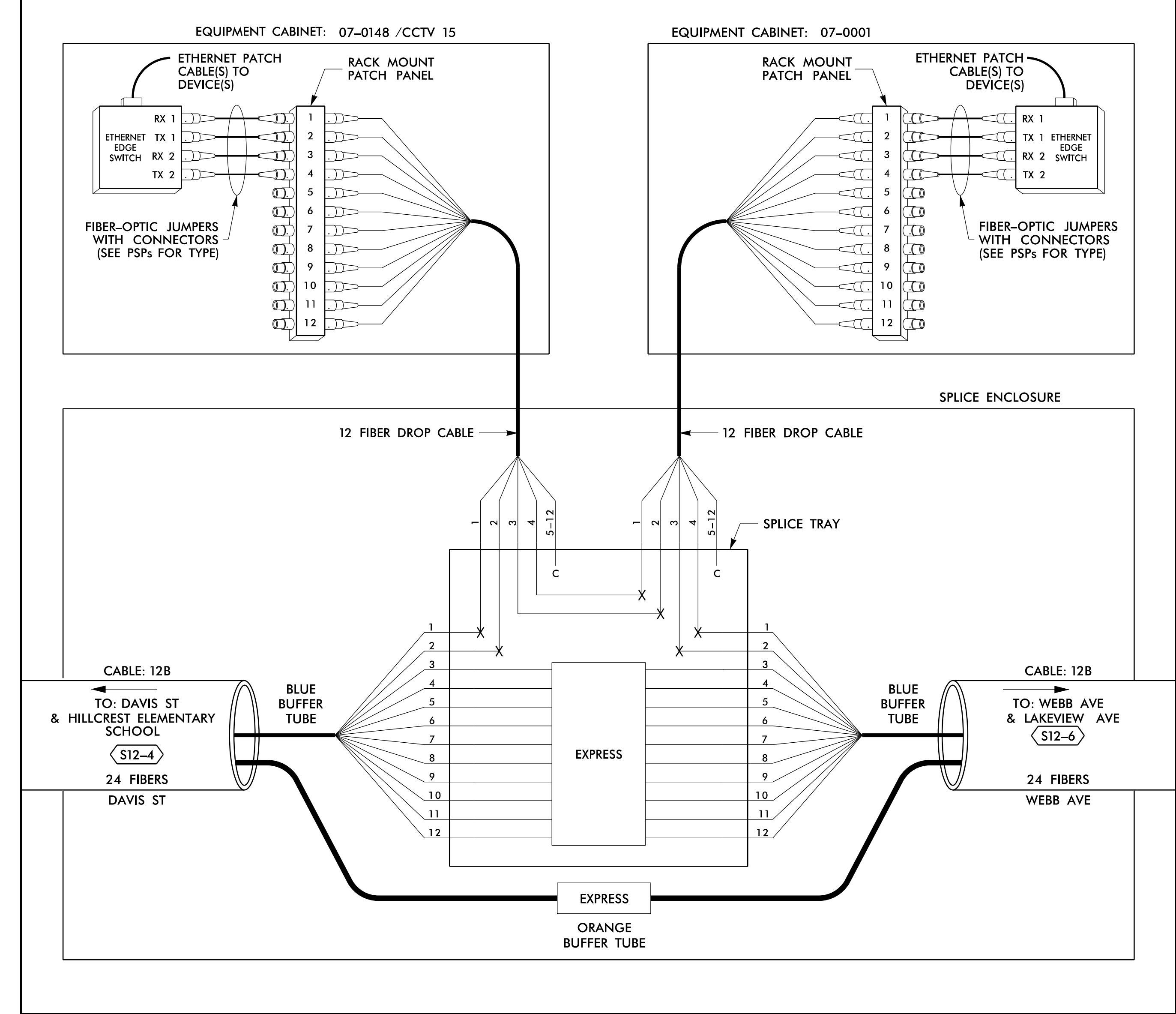
**SPLICE NO.**  
**S12-4**

DAVIS ST & HILLCREST ELEMENTARY SCHOOL  
SEE: CRP-6.134



**SPLICE NO.**  
**S12-5**

WEBB AVE & GLEN RAVEN RD  
SEE: CRP-6.133



14 JUN 2018 12:29  
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**LEGEND**

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER C = CAP AND SEAL	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
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(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:  750 Greenfield Parkway, Garner, NC 27529 SCALE: N/A	Burlington-Graham Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER Bradford J. Slocum 15/2018 DATE
	Division 7 Alamance County	Burlington & Graham	
	PLAN DATE: June 2018	REVIEWED BY: HA BADGETT	
	PREPARED BY: BJ SLOCUM	REVIEWED BY: DL JONES	
REVISIONS		INIT. DATE	

CADD File name: FS 4.075.dgn