STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5168	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
45241.1.1		PE
45241.3.1	STP-0314(5)	CONST

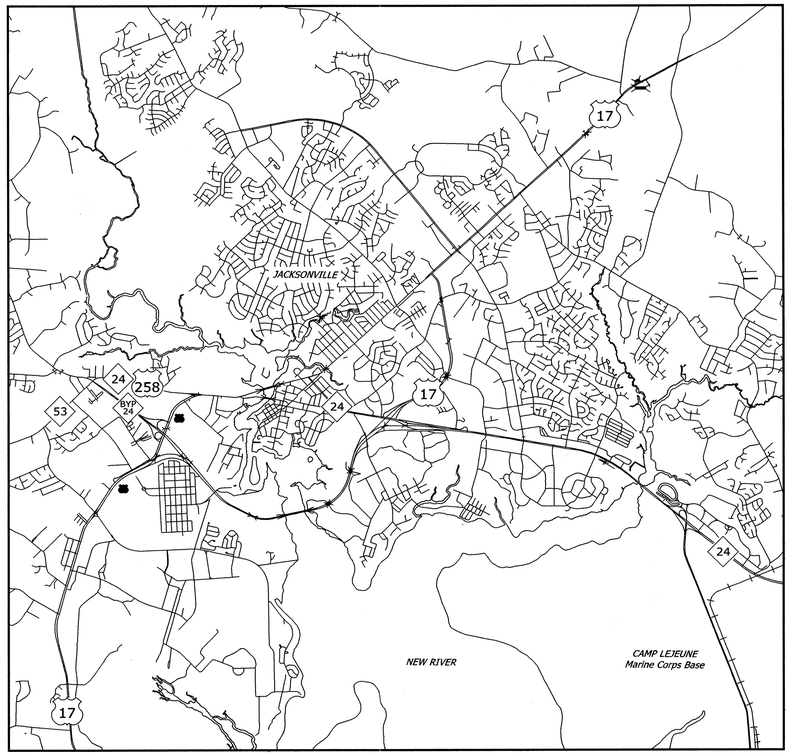
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED

JACKSONVILLE

COMPUTERIZED TRAFFIC SIGNAL SYSTEM

(ONSLOW COUNTY)



Volume II of III
Fiber-Optic Splicing

FINAL PLANS

CONTRACT: C202576 TIP PROJECT: U-5168

7/20/2011 $TIME$ taylor.honeycutt ...$SPLICING$a_jax-001.dgn

2006 STANDARD SPECIFICATIONS

LETTING DATE:
January 17, 2012

PROJECT LENGTH

PROJECT LENGTH = 41 MILES

NCDOT CONTACTS:
TRANSPORTATION SAFETY AND MOBILITY
INTELLIGENT TRANSPORTATION SYSTEMS SECTION
W. MICHAEL BRASWELL - METRO SYSTEMS PROJECT ENGINEER

750 N. Greenfield Pkwy., Garner, NC 27529

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR DATE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER P.E.

PLANS PREPARED BY:

Kimley-Horn
and Associates, Inc.
P.O. Box 33068
Raleigh, NC 27636
(919) 677-2000

KIMLEY-HORN CONTACTS: T.F. BURCHETT, P.E. - PROJECT MANAGER
KEVIN W. SMITH, P.E. - PROJECT ENGINEER

SEAL

SIGNATURE DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	1A

SPLICE DIAGRAM LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

NOTES:

1. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

7/20/2011
_SPLICING\a_1ax-001Adgn

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
LEGEND
ONSLOW COUNTY

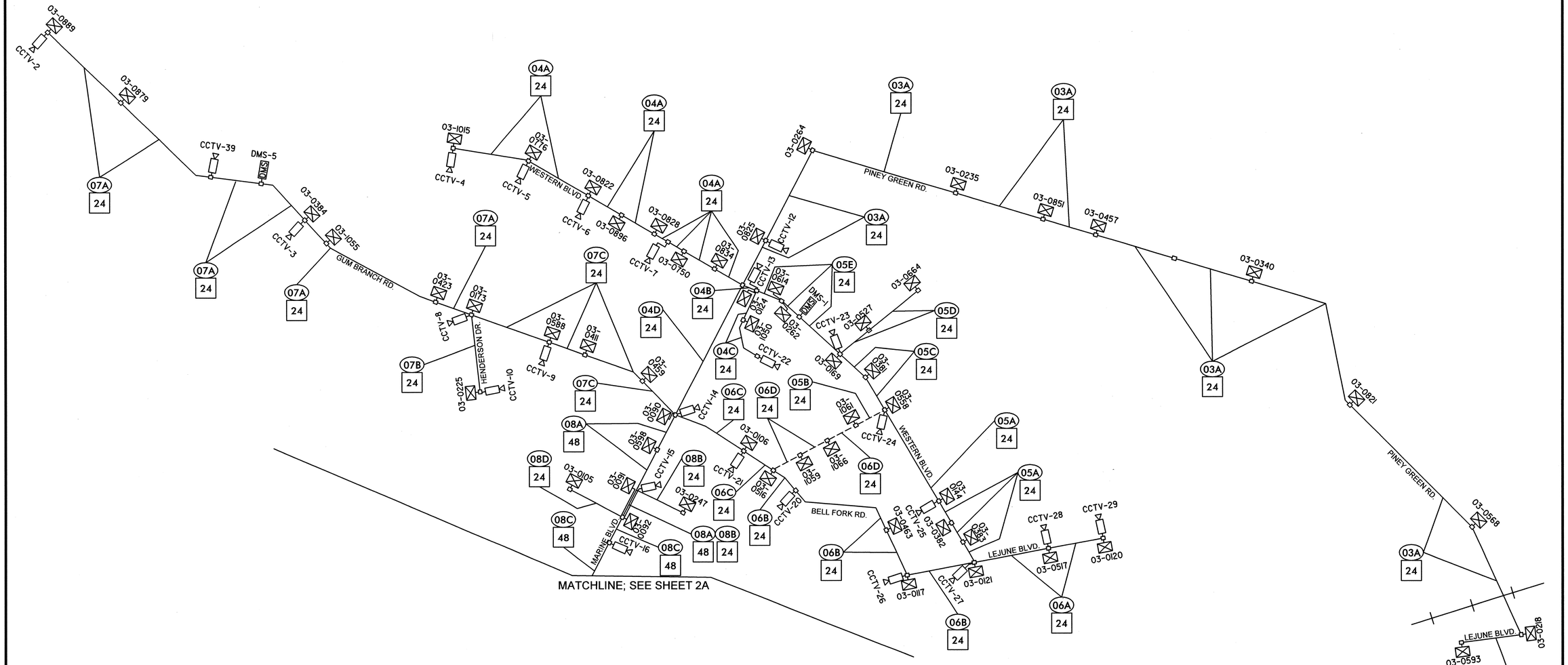
PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7-20-11 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	2



LEGEND

- FIBER OPTIC CABLE
- EXISTING FIBER OPTIC CABLE
- SPLICE ENCLOSURE
- SIGNAL CABINET
- CCTV
- DMS
- (XXX) CABLE NAME
- A FIBER COUNT

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM UPGRADE

CABLE SCHEMATIC

DIVISION 3 ONSLOW COUNTY JACKSONVILLE

PLAN DATE:	JULY 2011	REVIEWED BY:	K.W. SMITH
PREPARED BY:	J.C. CROSS	REVIEWED BY:	T.F. BURCHETT

REVISIONS	INIT.	DATE

SCALE 0

SEAL

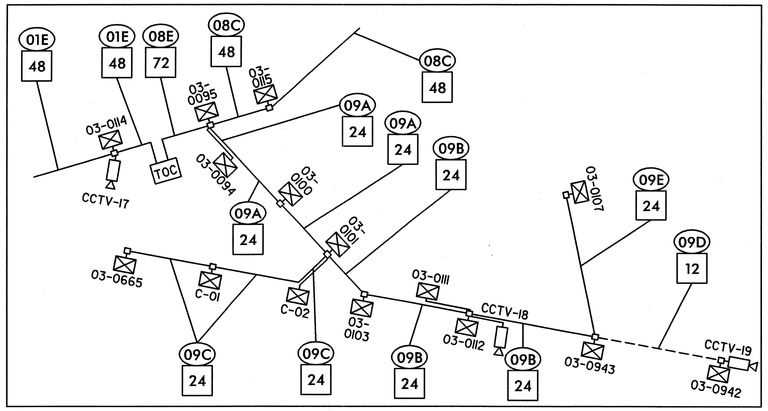
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

SIGNATURE 7-20-11 DATE

CADD Filenames

7/20/2011 $TIME$ taylor.honeycutt ...#SPLICING#sc_jax-002.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	2A



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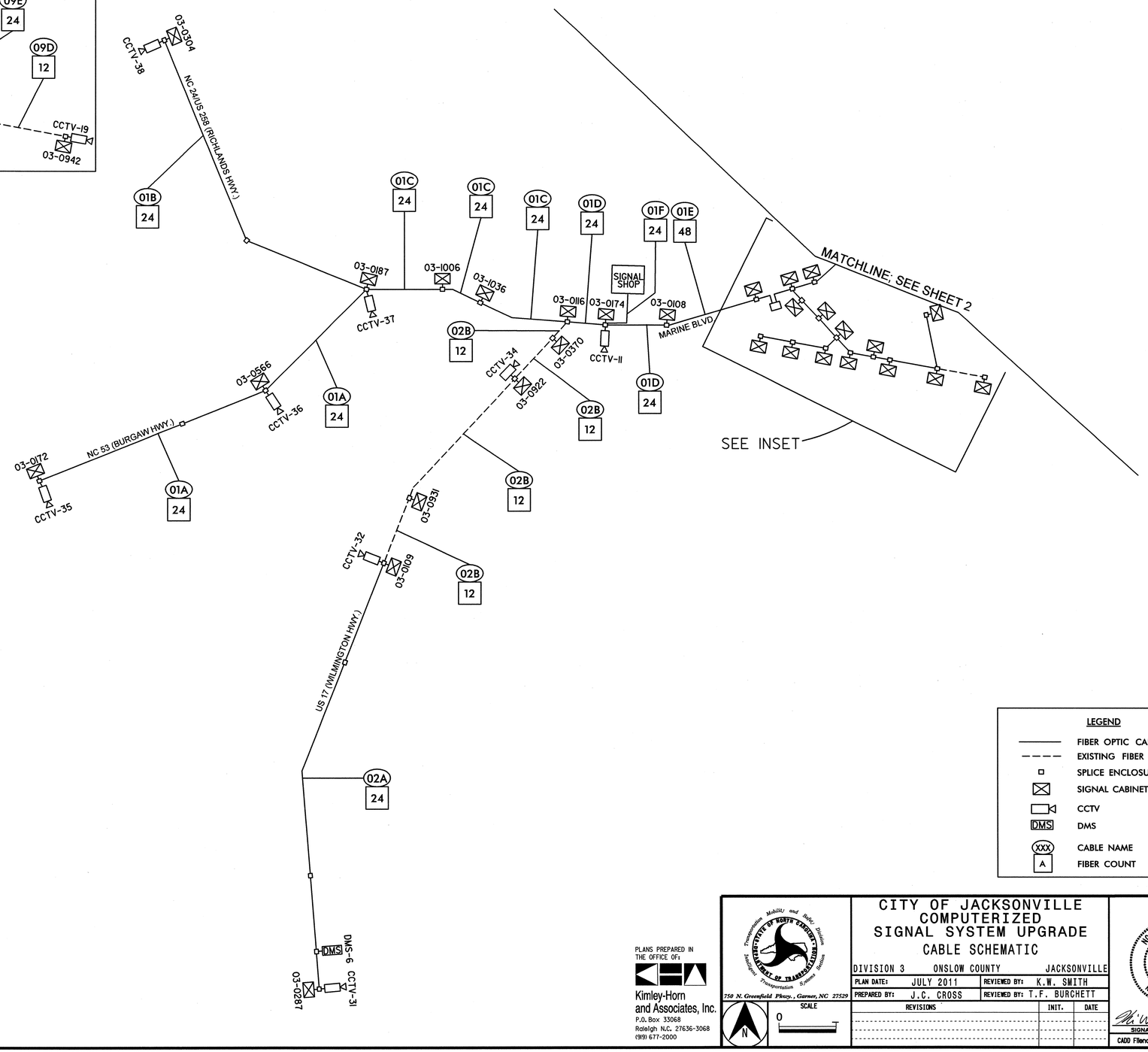


LEGEND

- FIBER OPTIC CABLE
- EXISTING FIBER OPTIC CABLE
- SPLICE ENCLOSURE
- SIGNAL CABINET
- CCTV
- DMS
- XXX — CABLE NAME
- A — FIBER COUNT

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM UPGRADE

CABLE SCHEMATIC

DIVISION 3 — ONSLOW COUNTY — JACKSONVILLE

PLAN DATE:	JULY 2011	REVIEWED BY:	K.W. SMITH
PREPARED BY:	J.C. CROSS	REVIEWED BY:	T.F. BURCHETT

REVISIONS	INIT.	DATE

SEAL

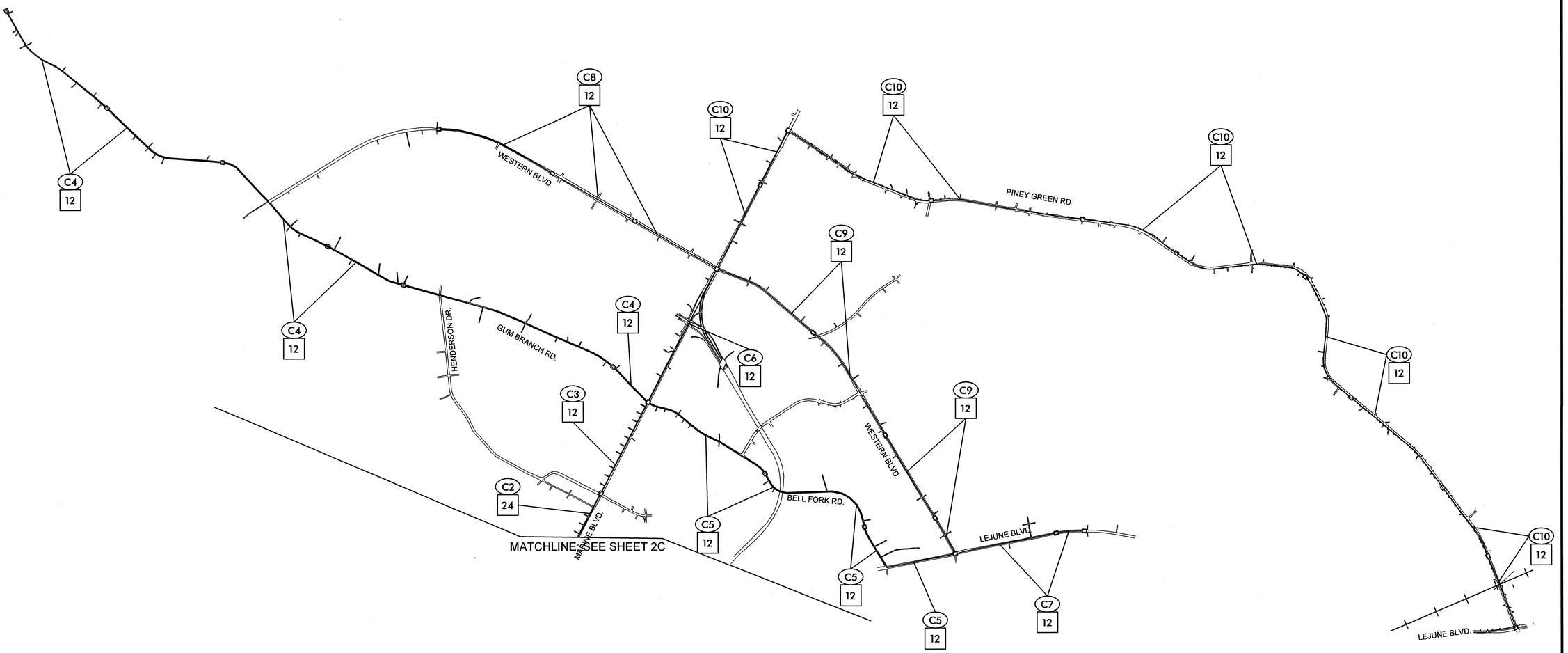
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

SIGNATURE — DATE 7-25-11

CADD Filename:

7/25/2011 $TIME$ susan.pennington ...\SPLICING\su_jax-002A.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	2B



LEGEND

- FIBER OPTIC CABLE
- EXISTING FIBER OPTIC CABLE
- SPLICE ENCLOSURE
- SIGNAL CABINET
- CCTV
- DMS — DMS
- XXX — CABLE NAME
- A — FIBER COUNT

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM UPGRADE
CITY CABLE SCHEMATIC

DIVISION 3 ONSLOW COUNTY JACKSONVILLE

PLAN DATE:	JULY 2011	REVIEWED BY:	K.W. SMITH
PREPARED BY:	J.C. CROSS	REVIEWED BY:	T.F. BURCHETT

REVISIONS	INIT.	DATE

SEAL

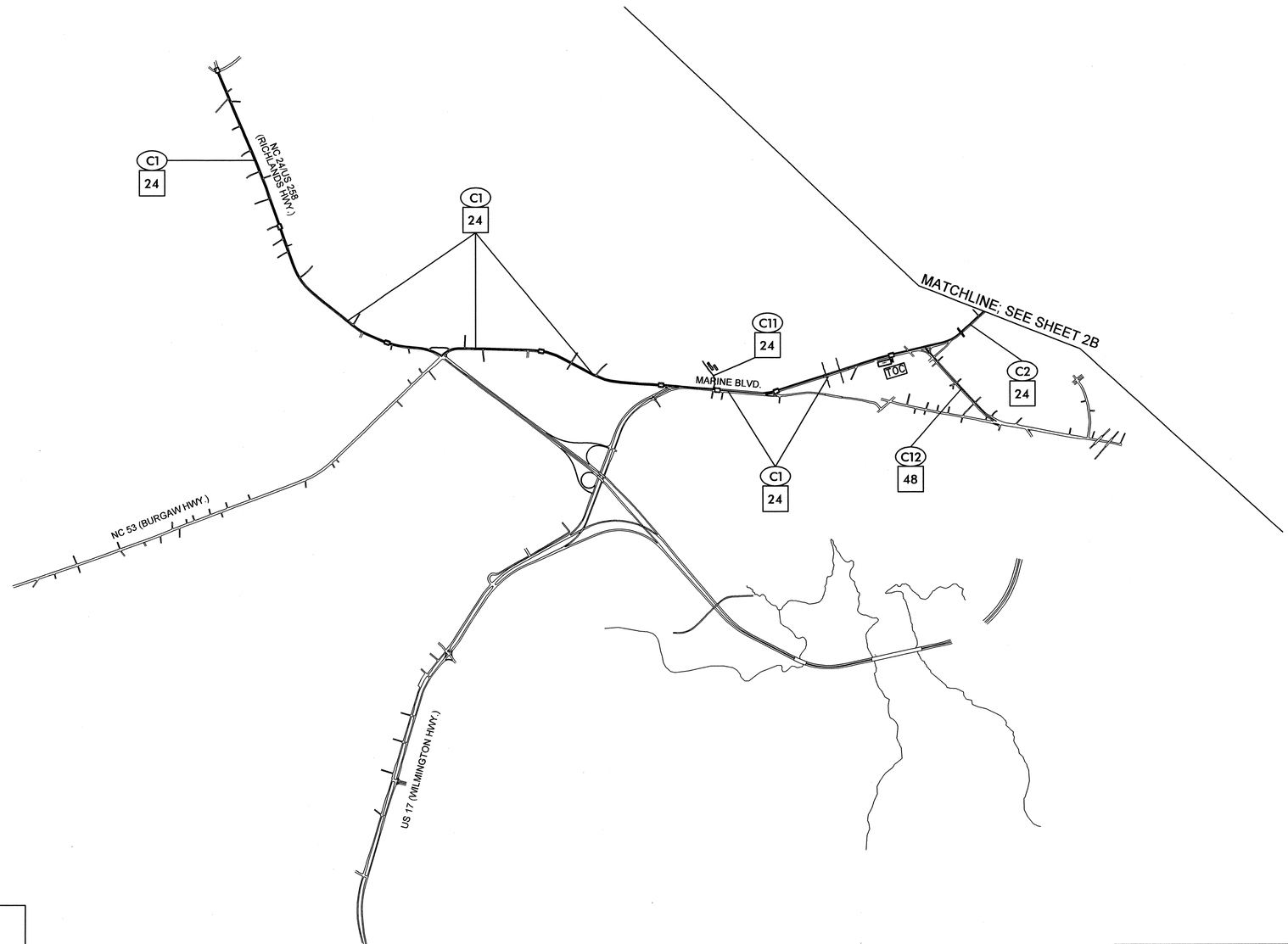
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

SIGNATURE 7-20-11 DATE

CADD Filename:

7/20/2011 $TIME$ taylor.haneycutt ...\SPLICING\ea_jax-002B.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	2C



LEGEND

- FIBER OPTIC CABLE
- EXISTING FIBER OPTIC CABLE
- SPLICE ENCLOSURE
- SIGNAL CABINET
- CCTV
- DMS
- CABLE NAME
- FIBER COUNT

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM UPGRADE

CITY CABLE SCHEMATIC

DIVISION 3 ONSLOW COUNTY JACKSONVILLE

PLAN DATE:	JULY 2011	REVIEWED BY:	K.W. SMITH
PREPARED BY:	J.C. CROSS	REVIEWED BY:	T.F. BURCHETT

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

SIGNATURE 7-20-11 DATE

CADD Filename:

7/20/2011 $TIME$ taylor.honeycutt ...\SPLICING\a_jax-002C.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 1

SPLICE ENCLOSURE AT BURGAW HWY AND MURRILL HILL RD 03-0172 CCTV-35

LEGEND

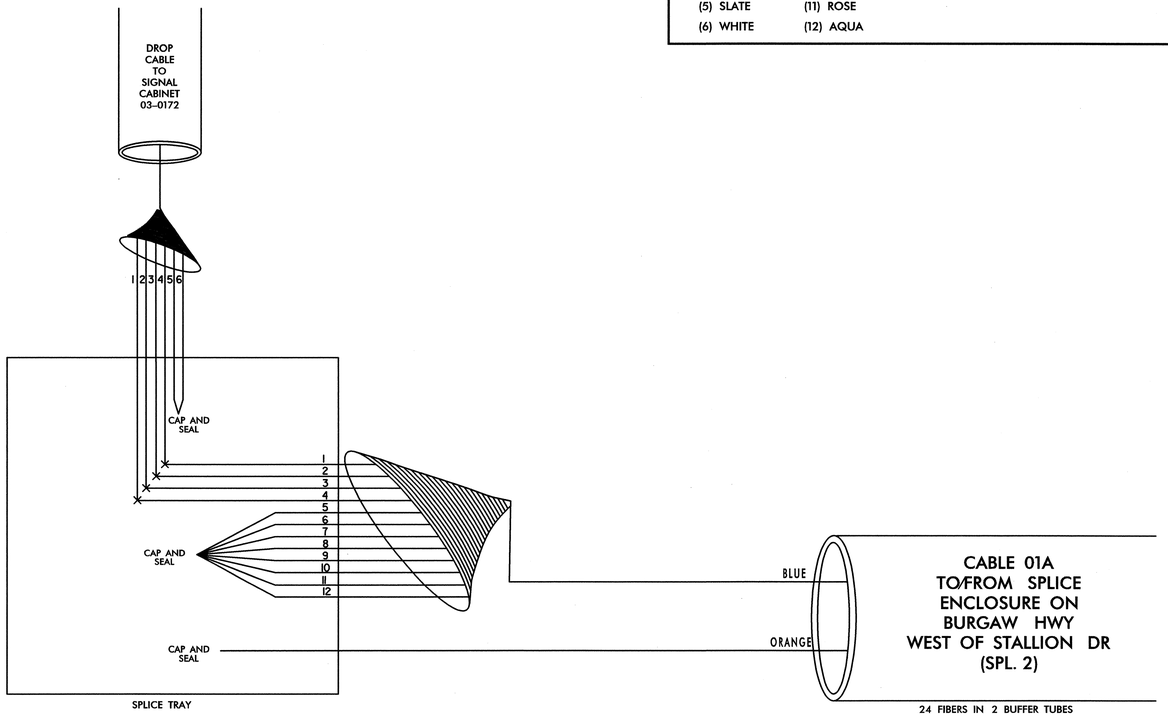
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

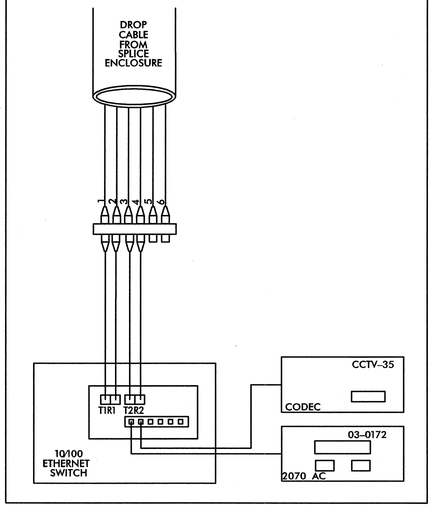
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0172



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
_SPLICING\jax_spl_001.dgn

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE W. SMISZ MCNEILLOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 2

SPLICE ENCLOSURE ON BURGAW HWY WEST OF STALLION DR

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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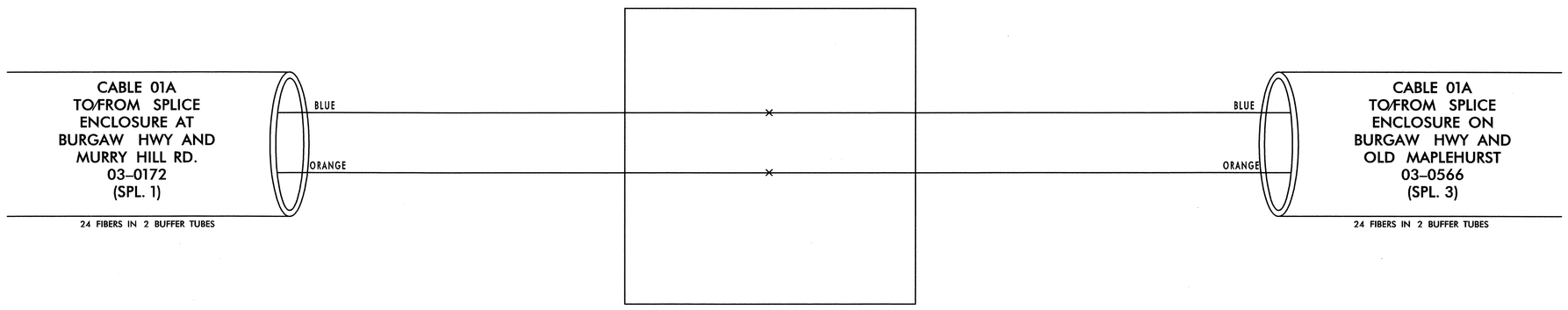
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
Intelligent Transportation Systems
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATHAN W. SMISZ MENGELKOCH

SIGNATURE 7-20-2011 DATE

7/20/2011
_SPLICING_lox_spl_002.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 3

SPLICE ENCLOSURE AT BURGAW HWY AND OLD MAPLEHURST 03-0566 CCTV-36

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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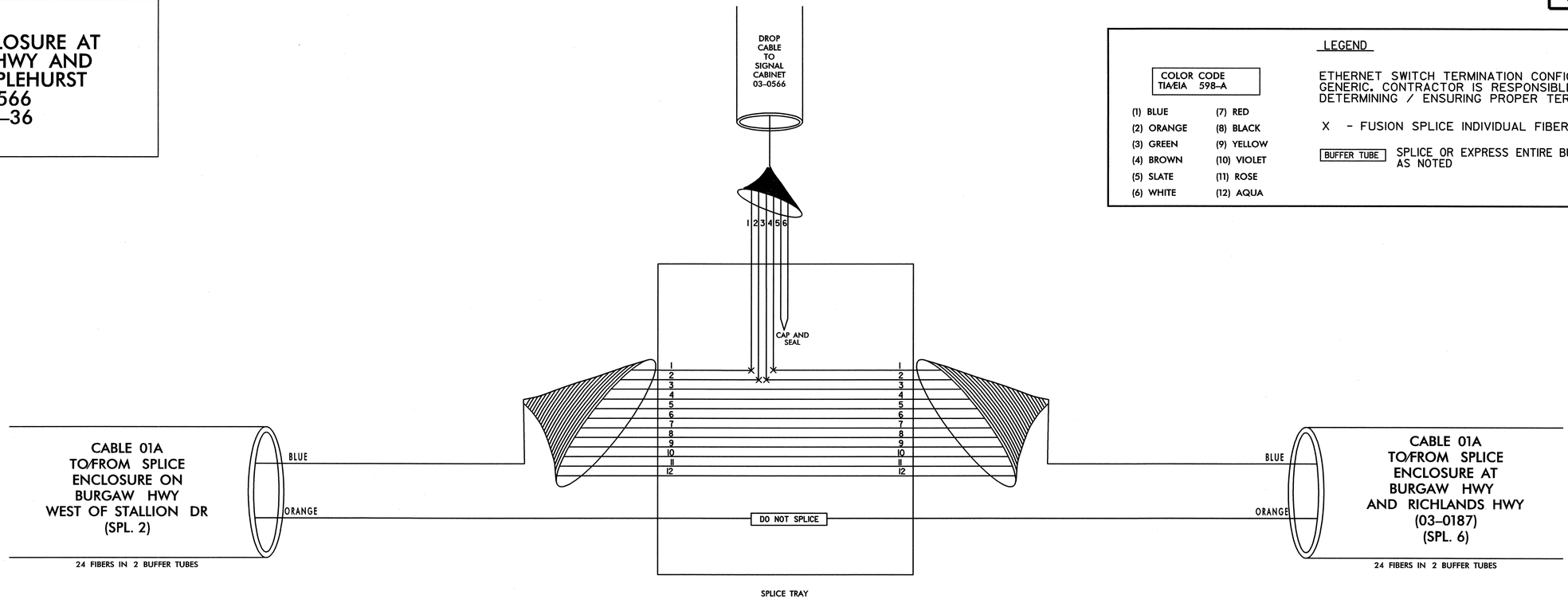
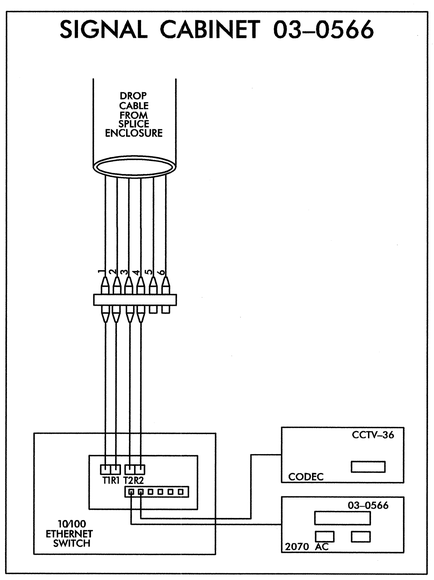
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED





TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7-20-2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 4

SPLICE ENCLOSURE AT RICHLANDS HWY AND PONY FARM RD 03–0304 CCTV–38

LEGEND

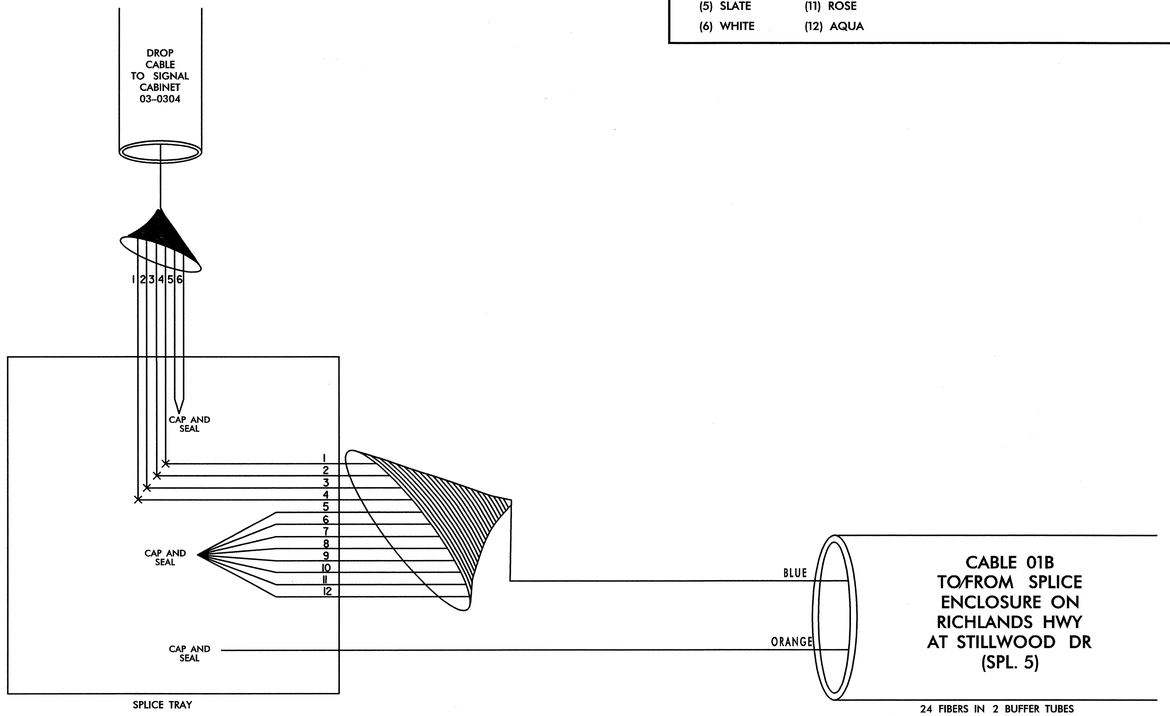
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

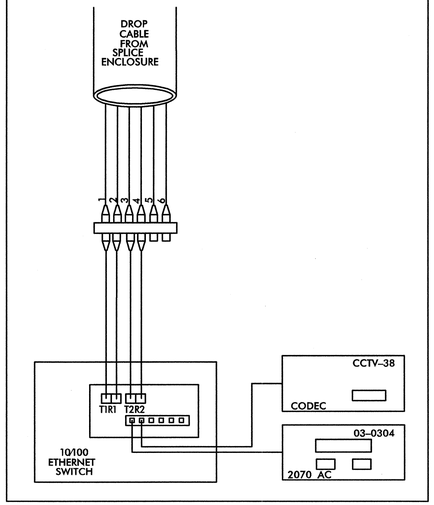
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0304



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PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MONGELUCH

SIGNATURE — DATE 7-20-2011

7/20/2011
...\SPLICING\jax_spl_004.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 5

SPLICE ENCLOSURE ON RICHLANDS HWY AT STILLWOOD DR

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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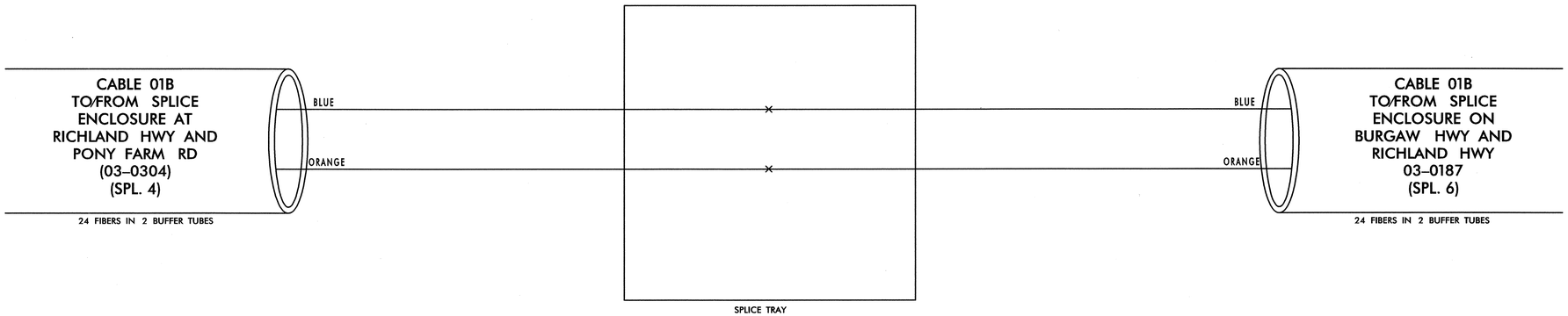
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7-20-2011 DATE

7/20/2011
_\SPLICING\Jax_spl_005.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 6

SPLICE ENCLOSURE AT BURGAW HWY. AND RICHLANDS HWY 03–0187 CCTV–37

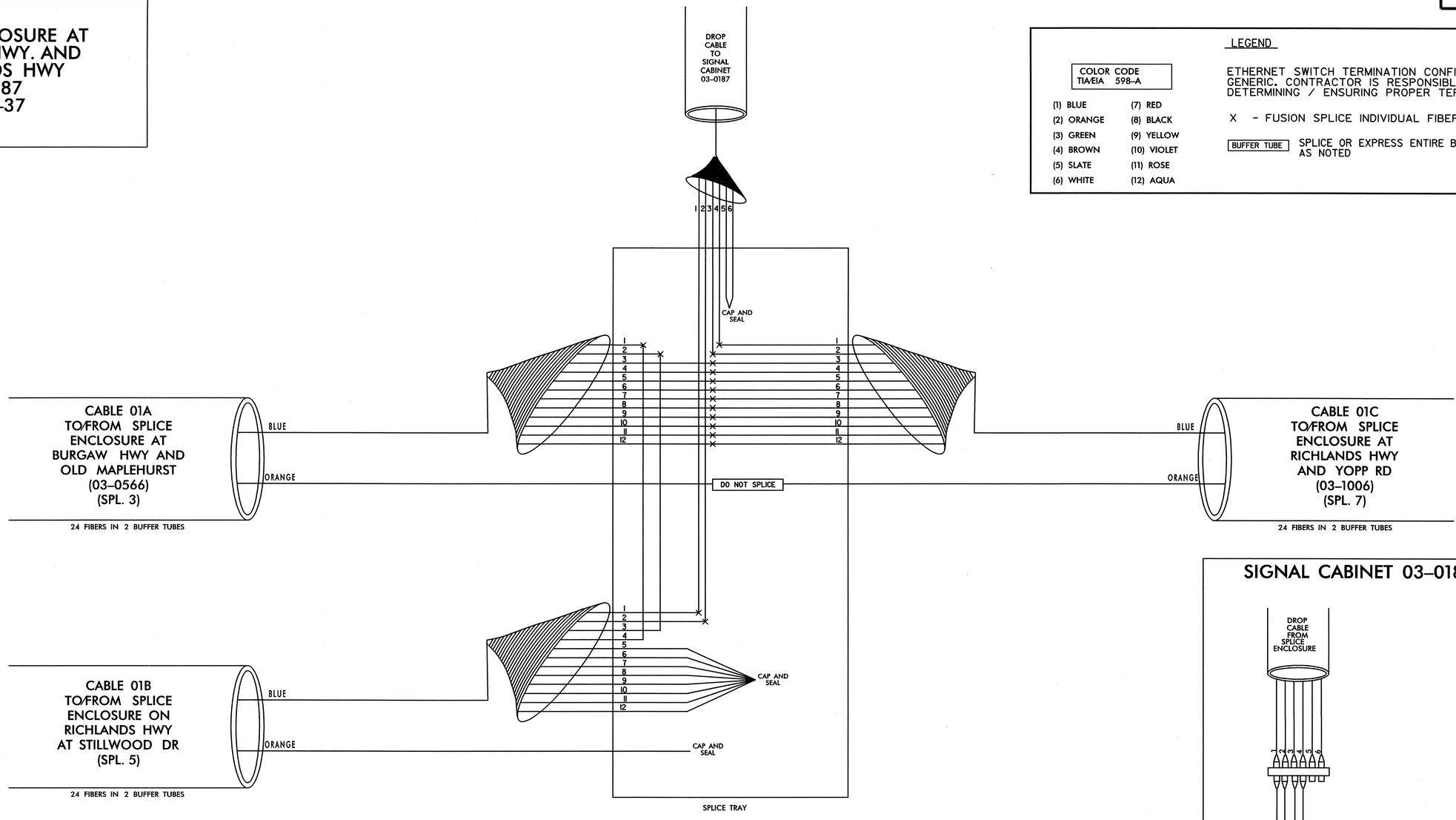
LEGEND

COLOR CODE TIA/EIA 598–A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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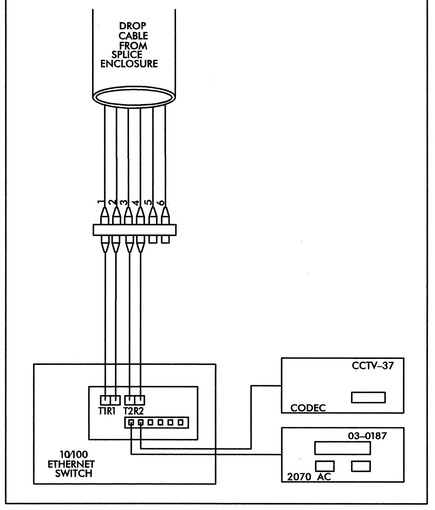


TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

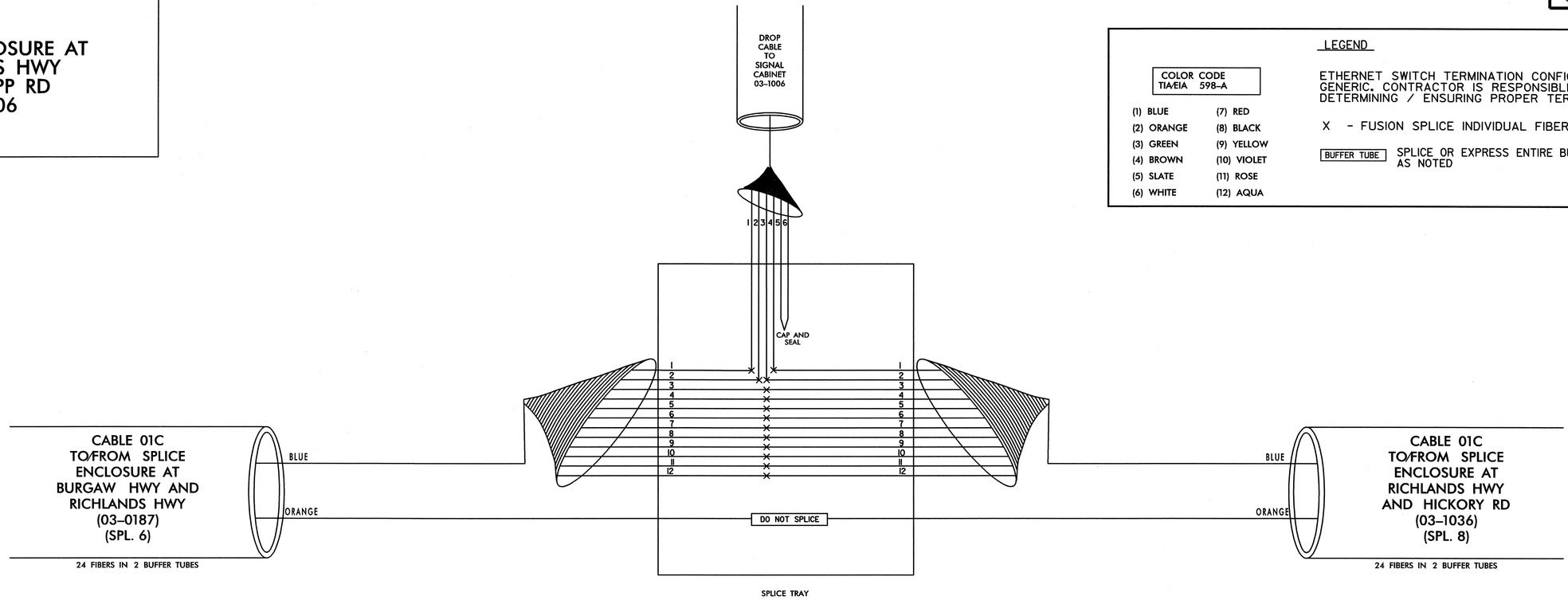
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATHALIE M. SMISZ MCNELDON

SIGNATURE — 7.20.2011 DATE

7/20/2011
\SPLICING\Jax_spl_006.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 7

SPLICE ENCLOSURE AT RICHLANDS HWY AND YOPP RD 03–1006



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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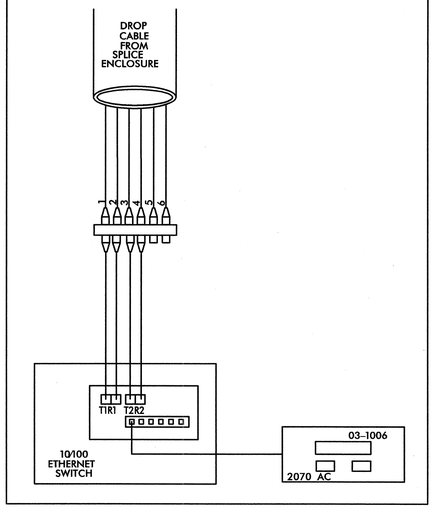
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–1006



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
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PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATHALIE M. SMUSZ MENGELTOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 8

SPLICE ENCLOSURE AT RICHLANDS HWY. AND HICKORY RD. 03-1036

LEGEND

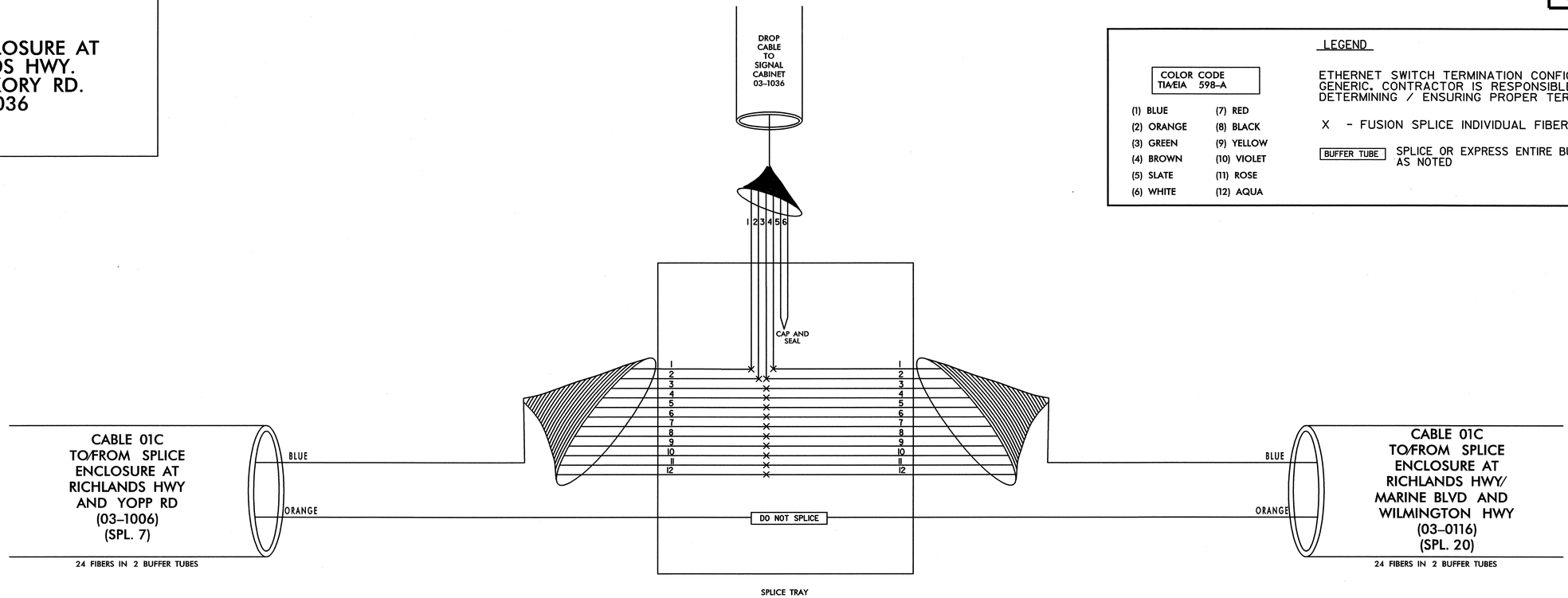
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

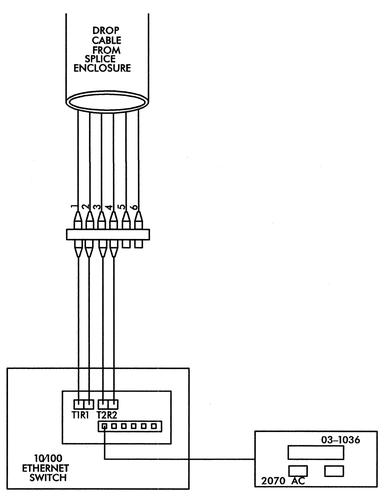
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-1036



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Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7-20-2011

7/20/2011
_\SPLICING\Jax_spl_008.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 9

SPLICE ENCLOSURE AT S MARINE BLVD AND GEORGETOWN RD 03–0174 CCTV–11

LEGEND

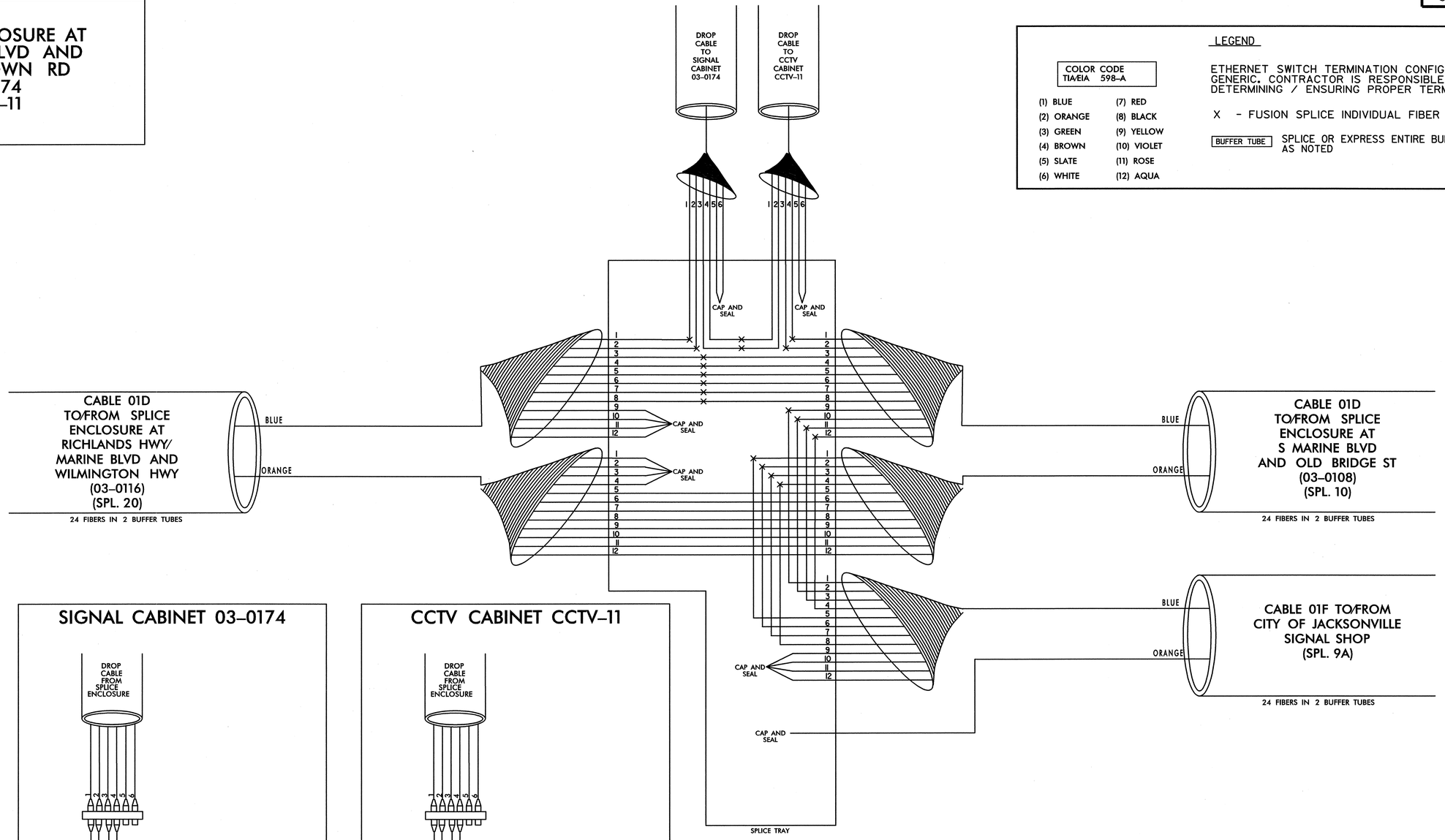
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

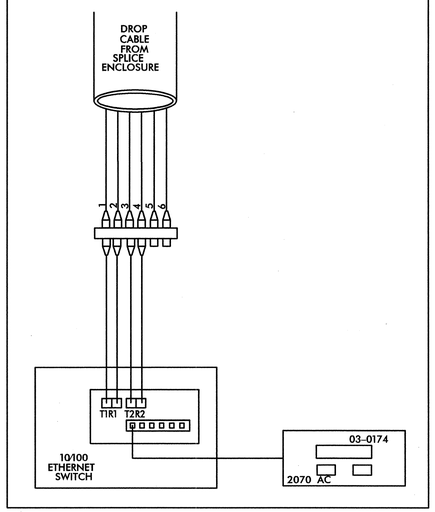
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

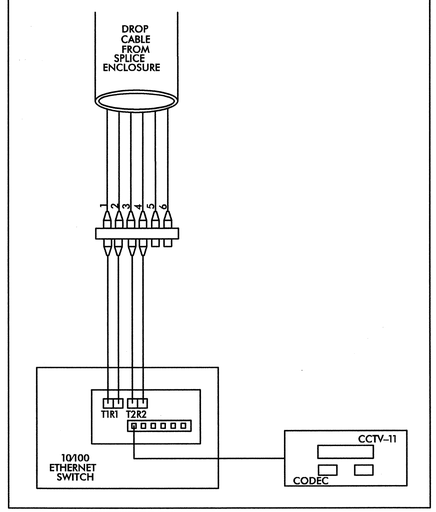
BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0174



CCTV CABINET CCTV–11



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(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
759 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031558 NATALIE M. SMISZ MENGELKOCH

SIGNATURE 7.26.11 DATE

7/25/2011
...\SPLICING\jax_spl_009.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 9A

CITY OF JACKSONVILLE SIGNAL SHOP

LEGEND

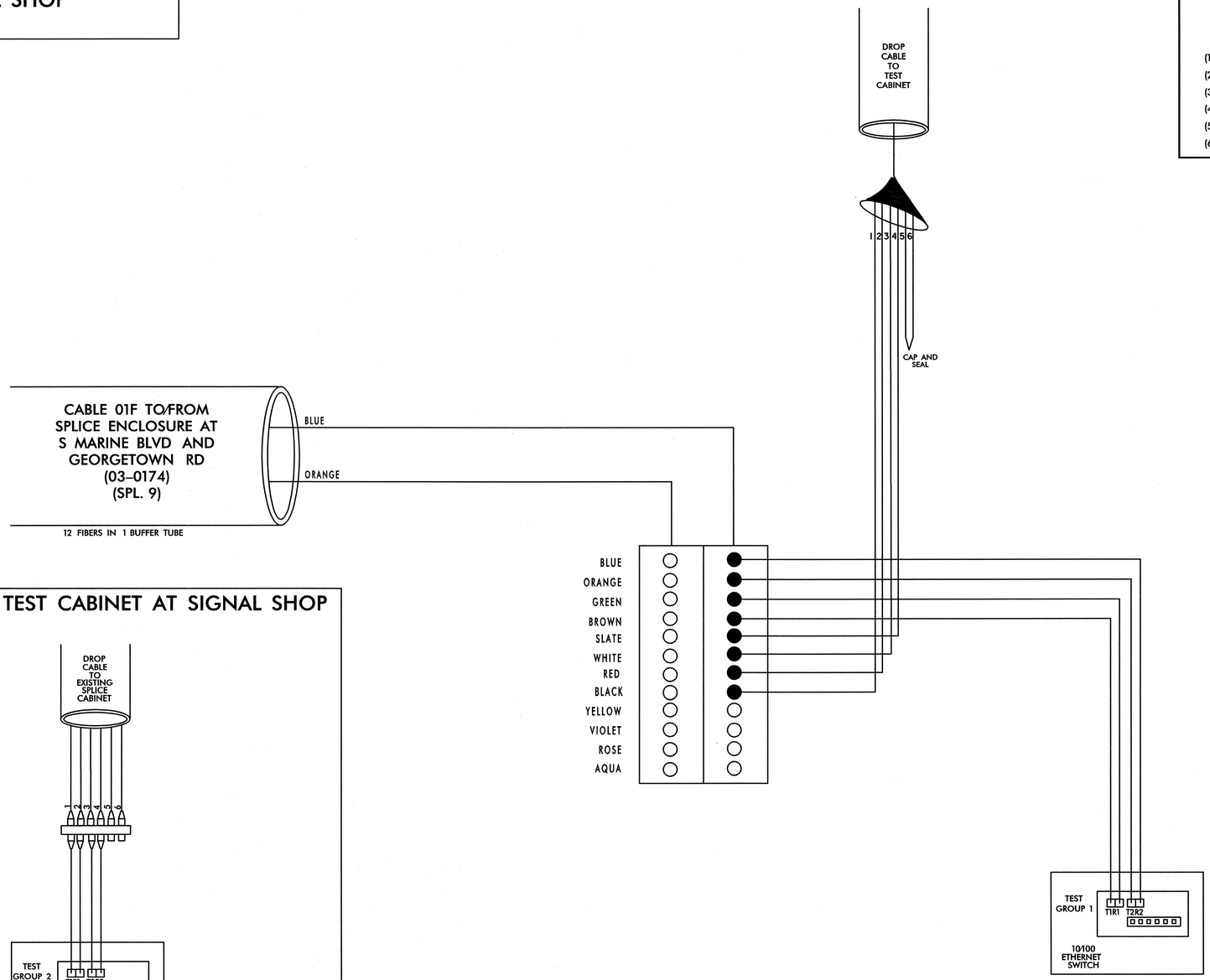
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

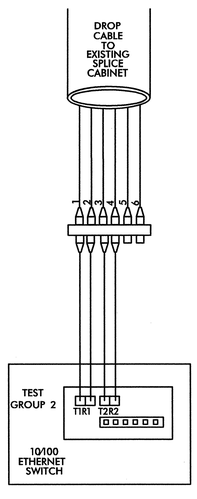
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



TEST CABINET AT SIGNAL SHOP



1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SEE DETAIL 2AG FOR SHOP LAYOUT.
3. EXISTING SPLICING AND TERMINATIONS NOT SHOWN AND TO REMAIN AS IS.

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P.O. Box 33068
Raleigh N.C. 27636-3068
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Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATHALIE M. SMUSZ MENELLOCH

SIGNATURE 7/20/2011 DATE

7/20/2011 \SPLICING\ jax_spl_009Adgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 10

SPLICE ENCLOSURE AT S MARINE BLVD AND OLD BRIDGE ST 03-0108

LEGEND

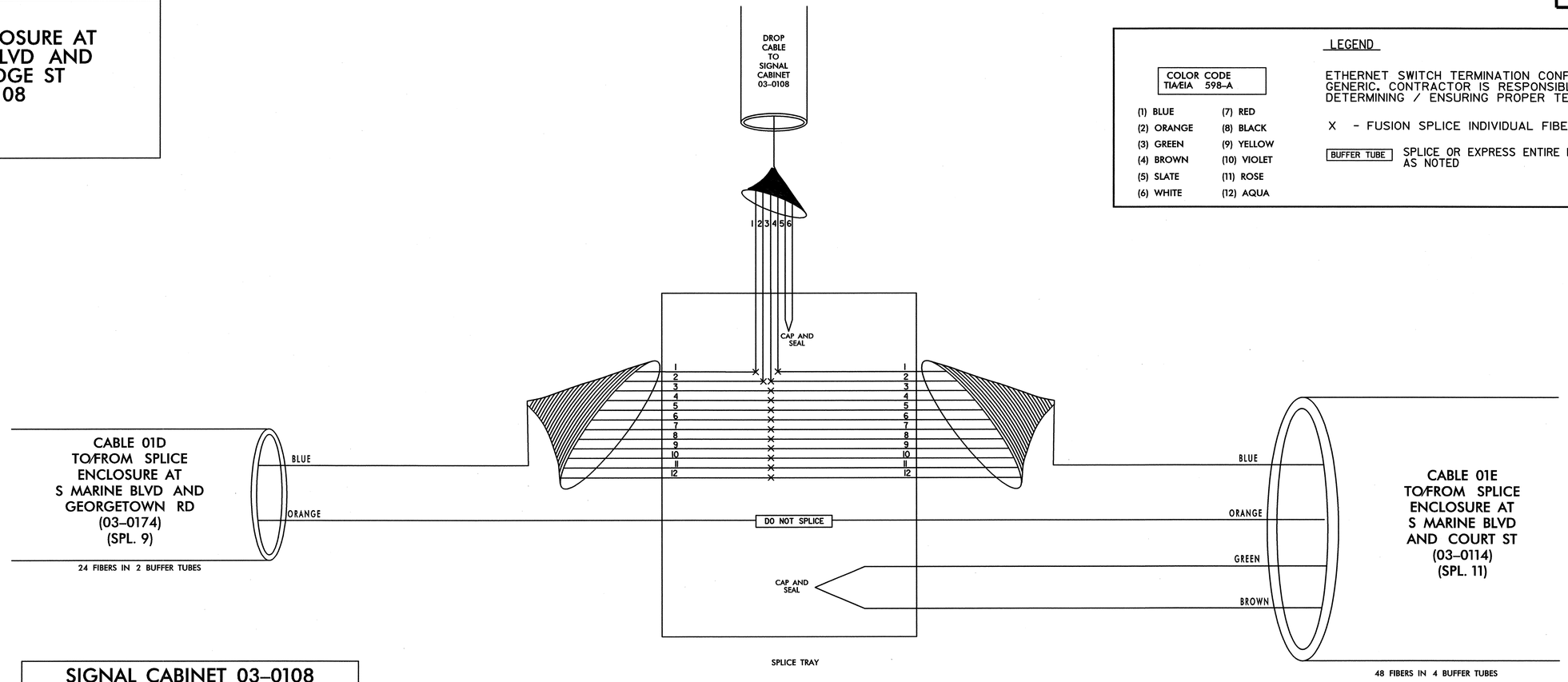
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

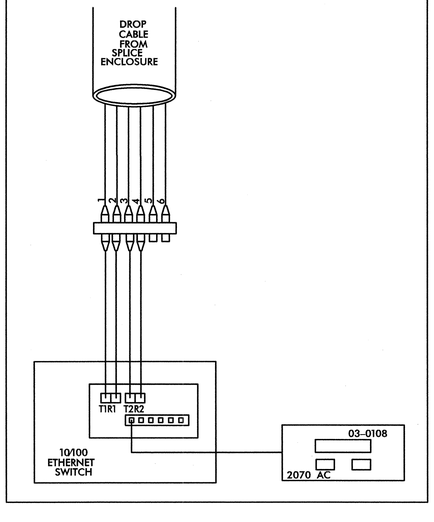
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0108



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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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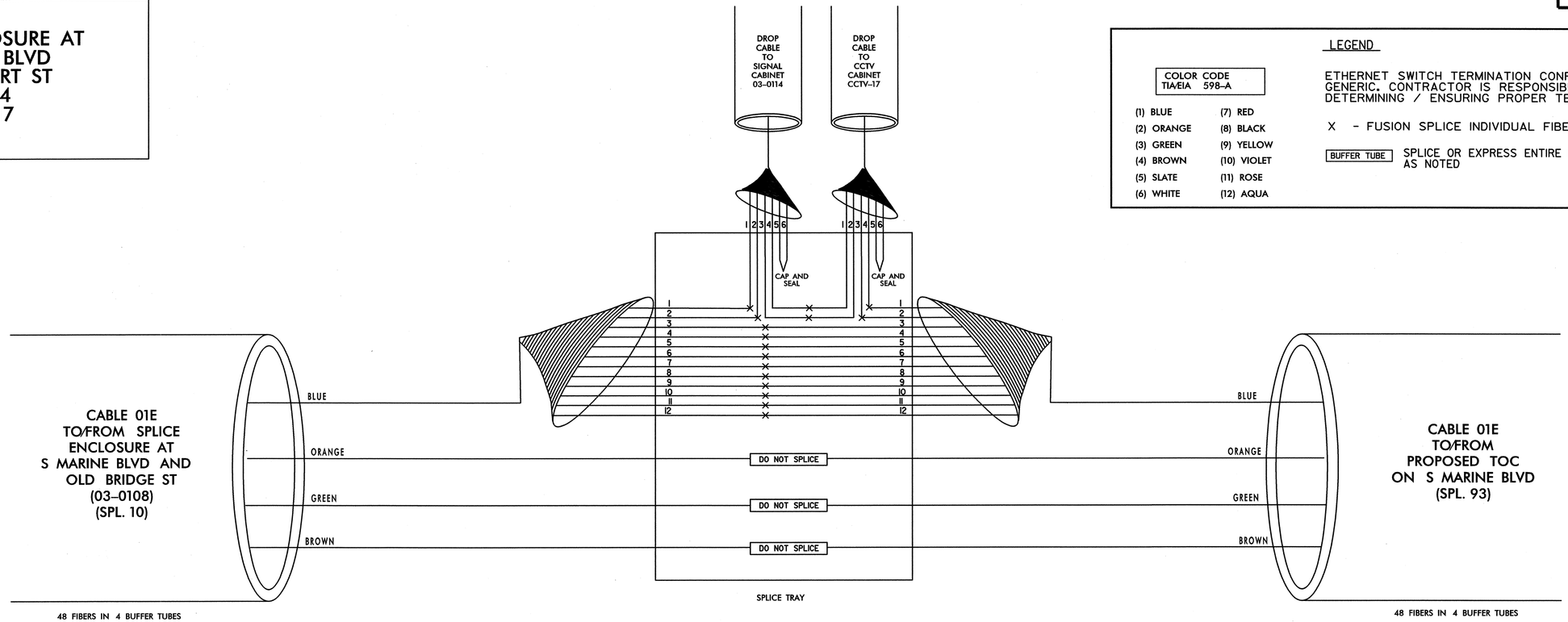
PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 11

SPLICE ENCLOSURE AT S MARINE BLVD AND COURT ST 03–0114 CCTV–17



LEGEND

COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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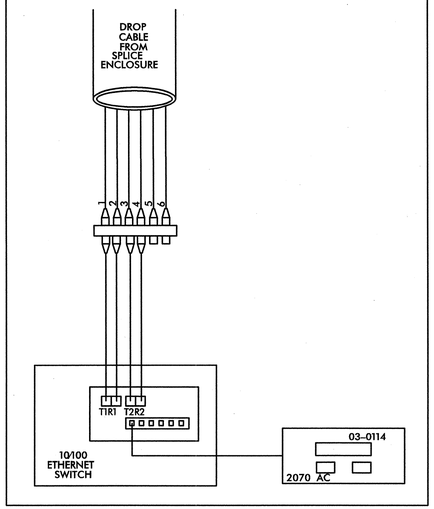
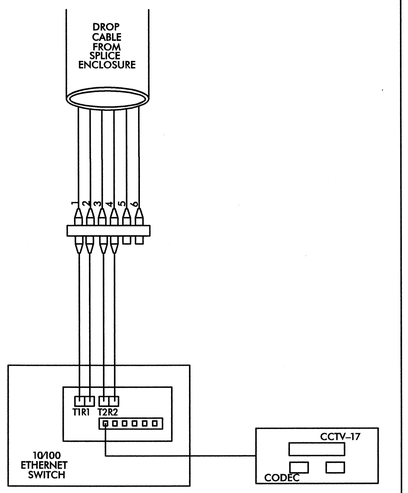
X – FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0114



CCTV CABINET CCTV–17



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Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 1 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MCNAUGHTON

7.26.11
SIGNATURE — DATE

7/25/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 12

SPLICE ENCLOSURE AT WILMINGTON HWY AND DAWSON CABIN RD 03-0287 CCTV-31 WIRELESS CCTV-30

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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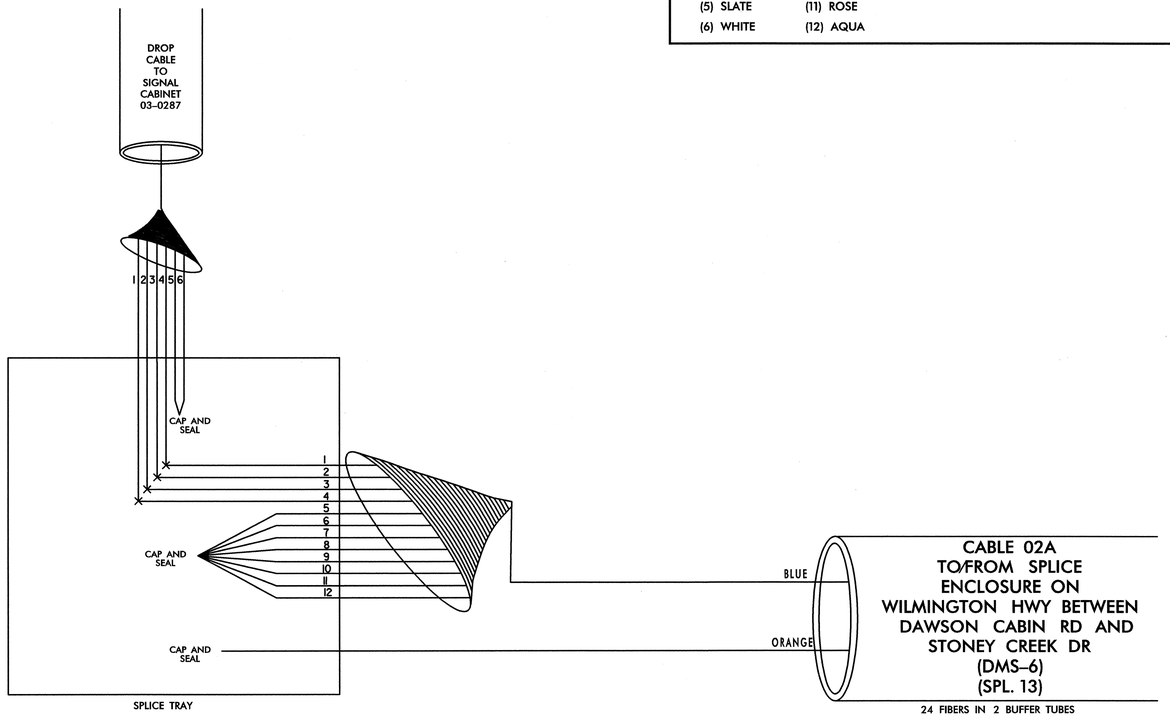
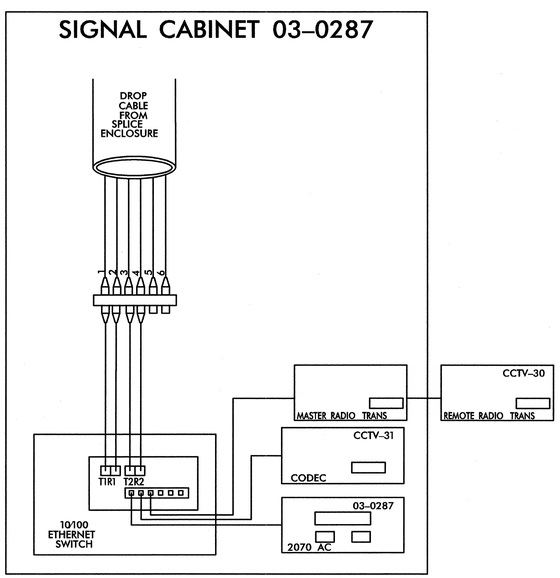
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED





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(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 2 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 13

SPLICE ENCLOSRE ON WILMINGTON HWY BETWEEN DAWSON CABIN RD AND STONEY CREEK DR DMS-6

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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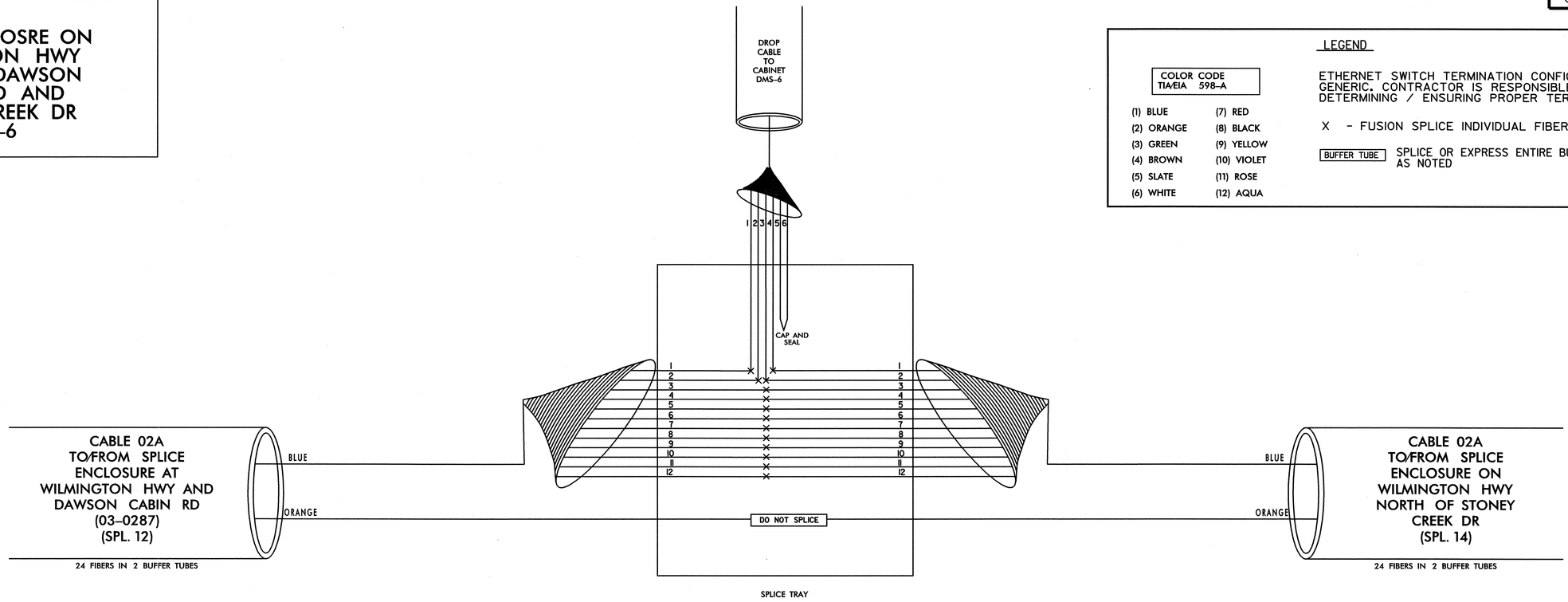
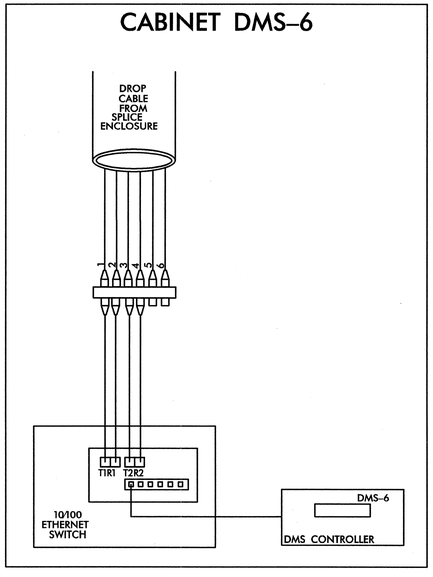
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED





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(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7-20-2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 14

SPLICE ENCLOSURE ON WILMINGTON HWY NORTH OF STONEY CREEK DR

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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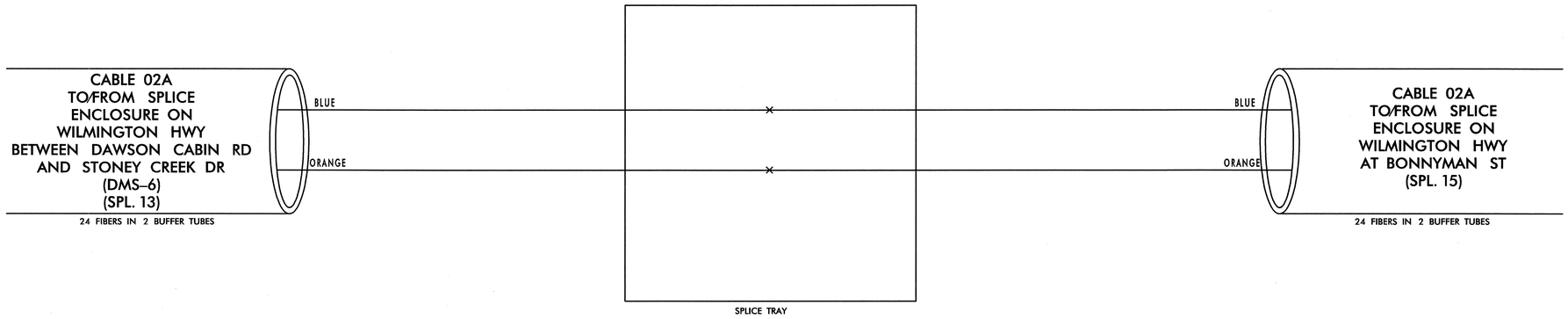
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



7/20/2011
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PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENDELSOHN

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 15

SPLICE ENCLOSURE ON WILMINGTON HWY AT BONNYMAN ST

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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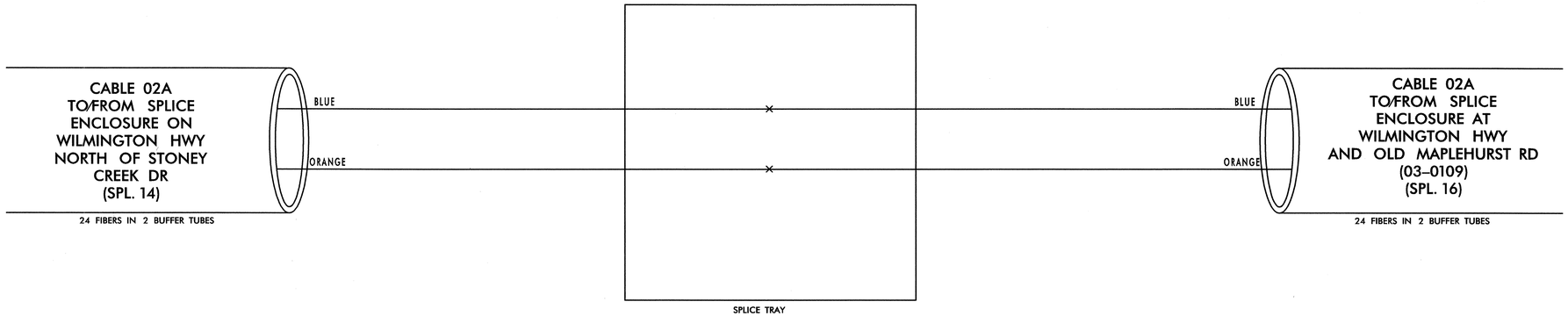
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



7/20/2011
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

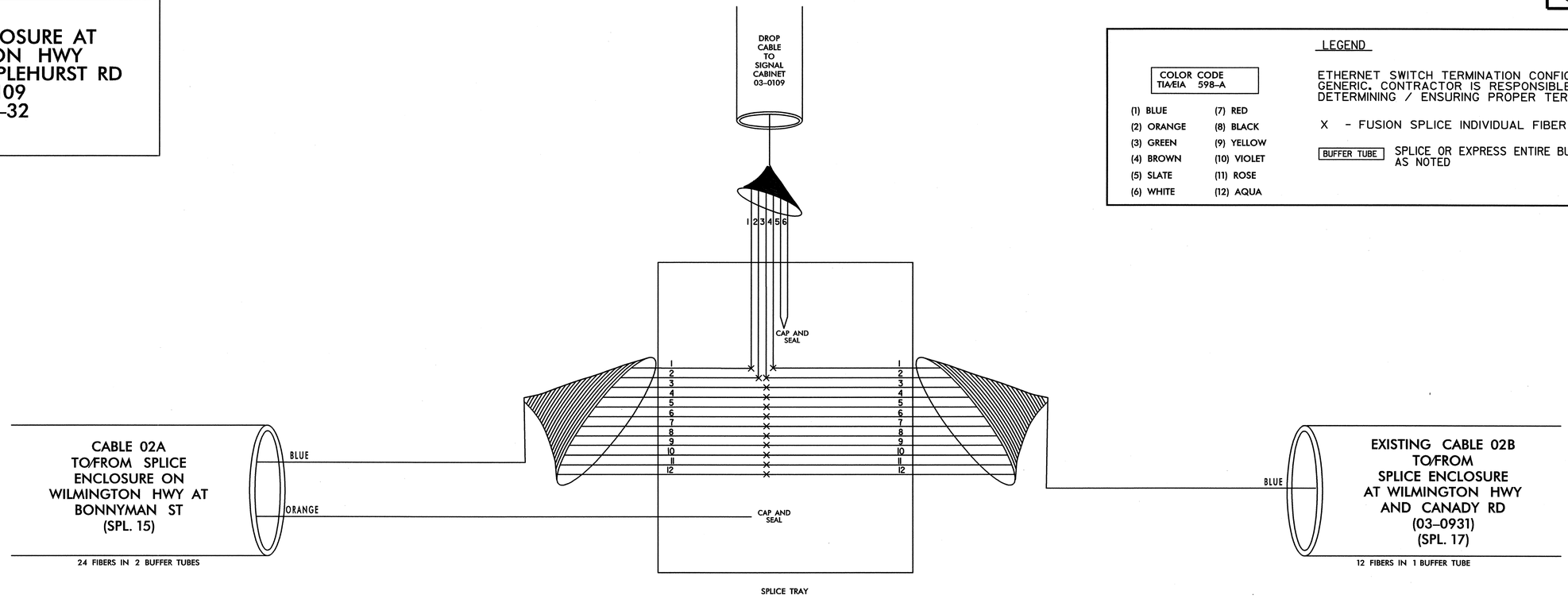
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUST MENGELOCH

7.20.2011
SIGNATURE DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 16

SPLICE ENCLOSURE AT WILMINGTON HWY AND OLD MAPLEHURST RD 03–0109 CCTV–32



LEGEND

COLOR CODE TIA/EIA 598–A

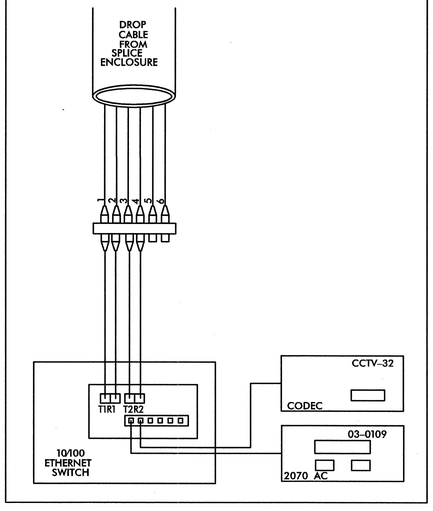
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0109



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PLANS PREPARED IN THE OFFICE OF:

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Raleigh N.C. 27636-3068
(919) 677-2000

NCDOT Transportation Mobility and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

SCALE: 0 NONE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENDELSOHN

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 17

SPLICE ENCLOSURE AT WILMINGTON HWY AND CANADY RD 03-0931

LEGEND

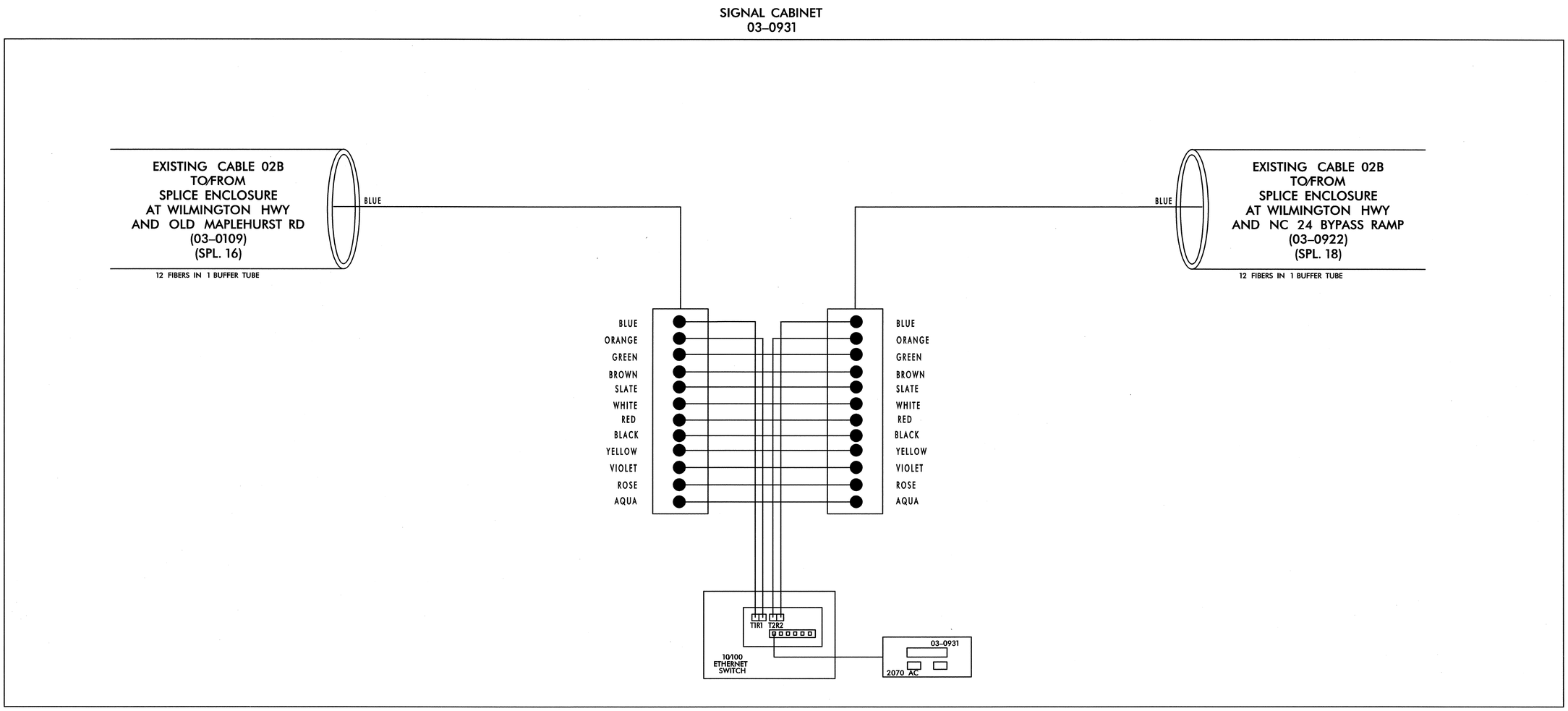
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 2 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
_\SPLICING\jax_spl_017.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 18

SPLICE ENCLOSURE AT WILMINGTON HWY AND NC 24 BYPASS RAMP 03–0922 CCTV–34

LEGEND

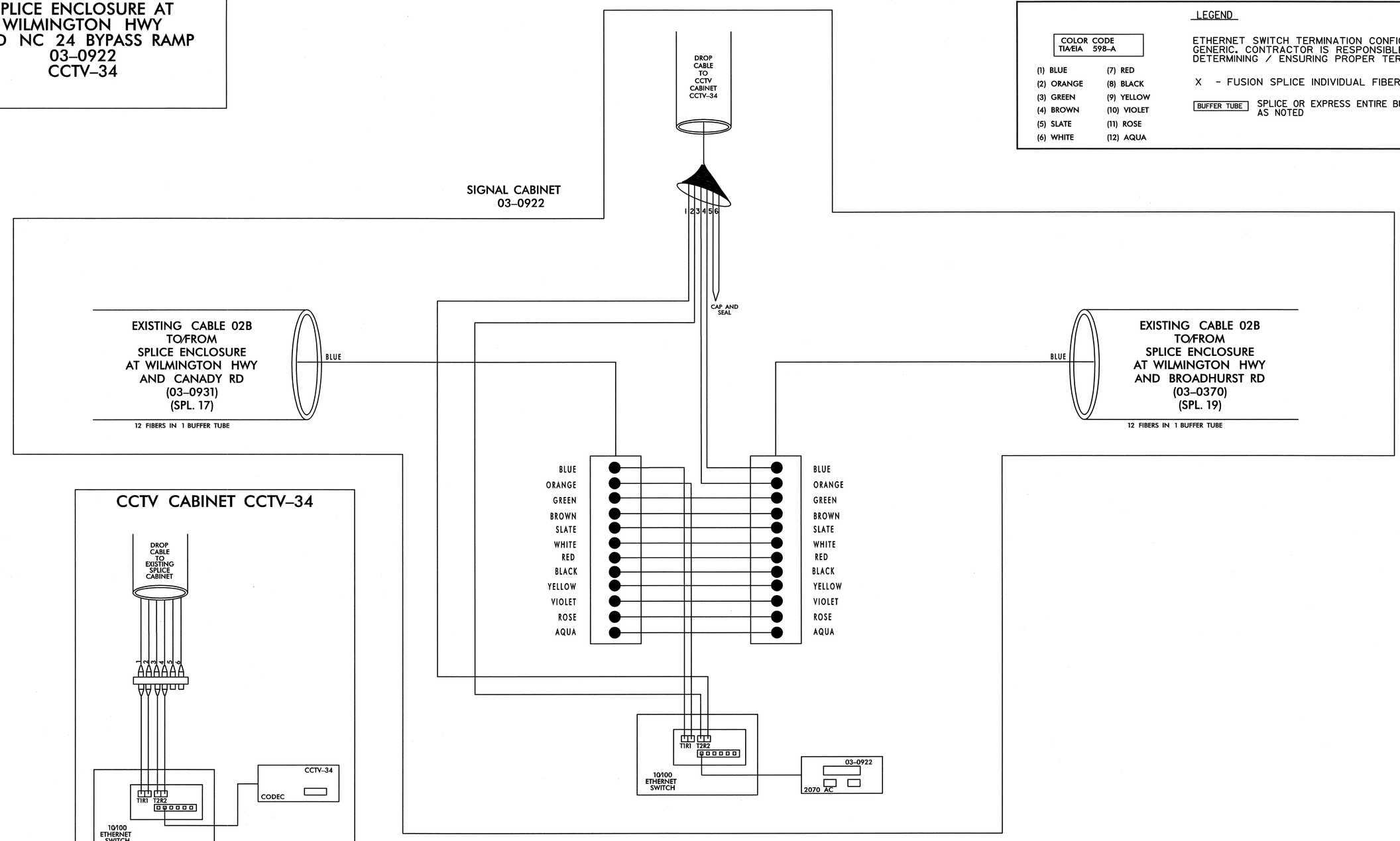
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



CCTV CABINET CCTV–34

TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

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P.O. Box 33068
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(919) 677-2000

Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intermodal Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM

SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_018.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 19

SPLICE ENCLOSURE AT WILMINGTON HWY AND BROADHURST RD 03-0370

LEGEND

COLOR CODE TIA/EIA 598-A

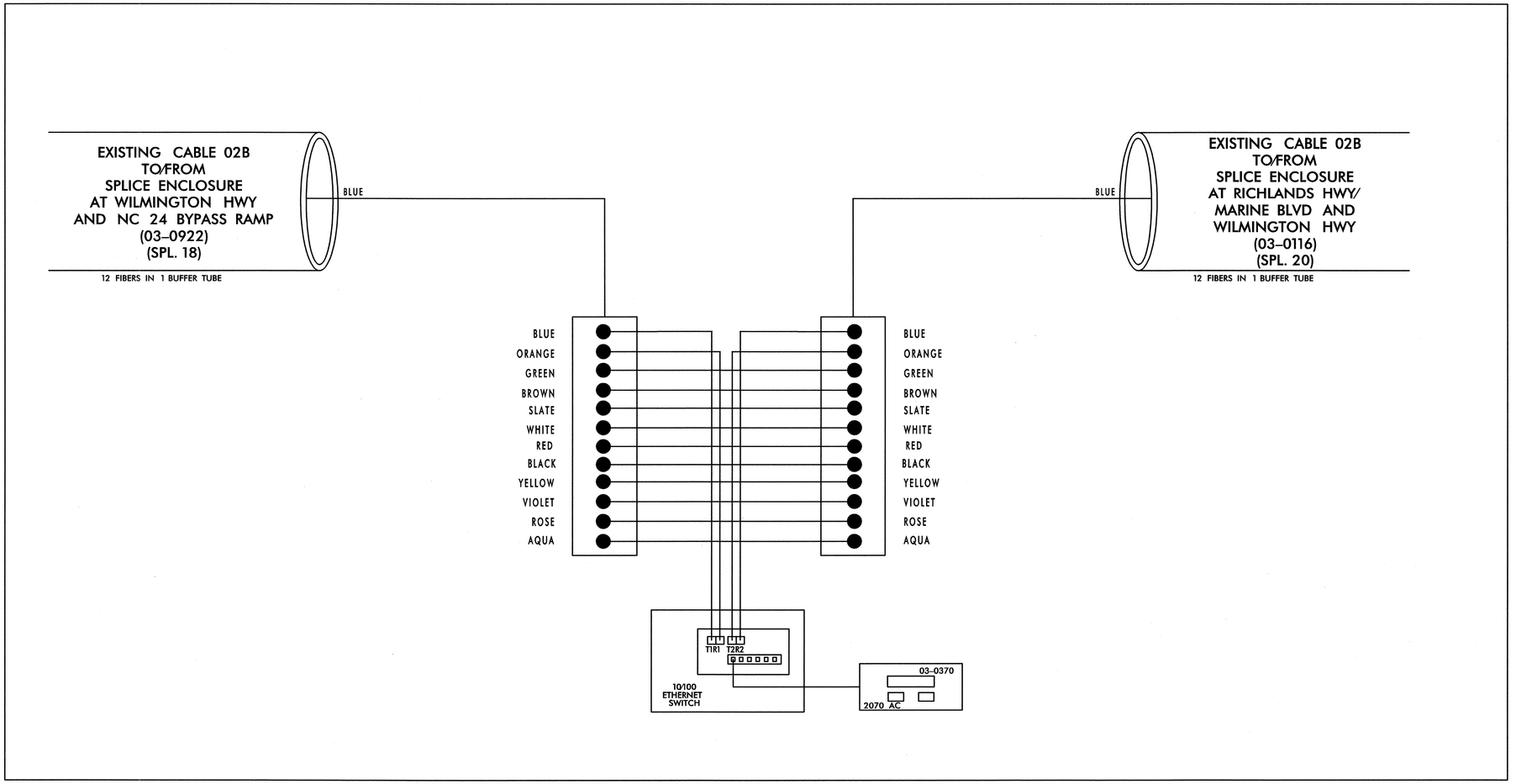
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET
03-0370



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
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(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

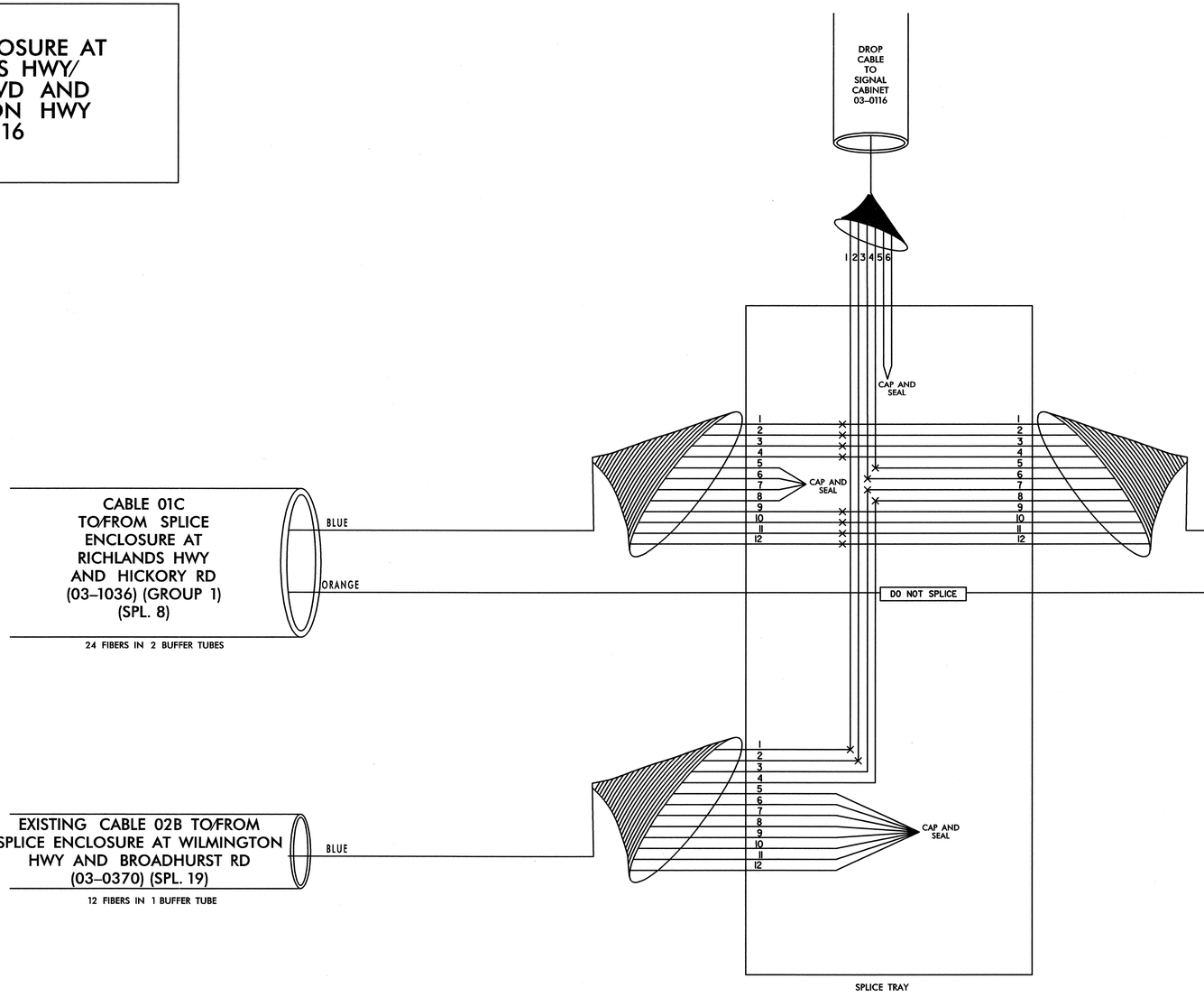
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ, MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
\SPLICING\jax_spl_019.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 20

SPLICE ENCLOSURE AT RICHLANDS HWY/ MARINE BLVD AND WILMINGTON HWY 03–0116



LEGEND

COLOR CODE TIA/EIA 598–A

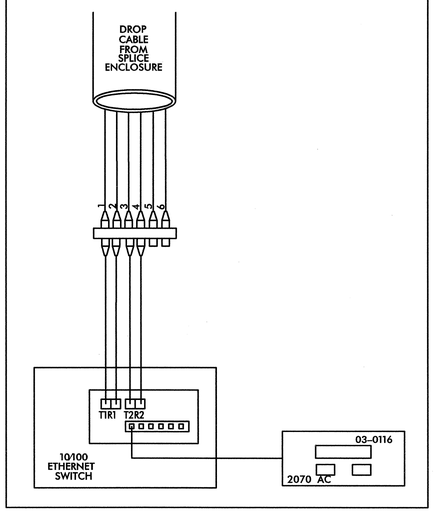
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0116



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
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Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Rail Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 2 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGLIOCH

SIGNATURE 7/22/2011 DATE

7/20/2011
...\SPLICING\tx_spl_020.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL.21

SPLICE ENCLOSURE AT N MARINE BLVD AND MCDANIEL DR 03-0825 CCTV-12

LEGEND

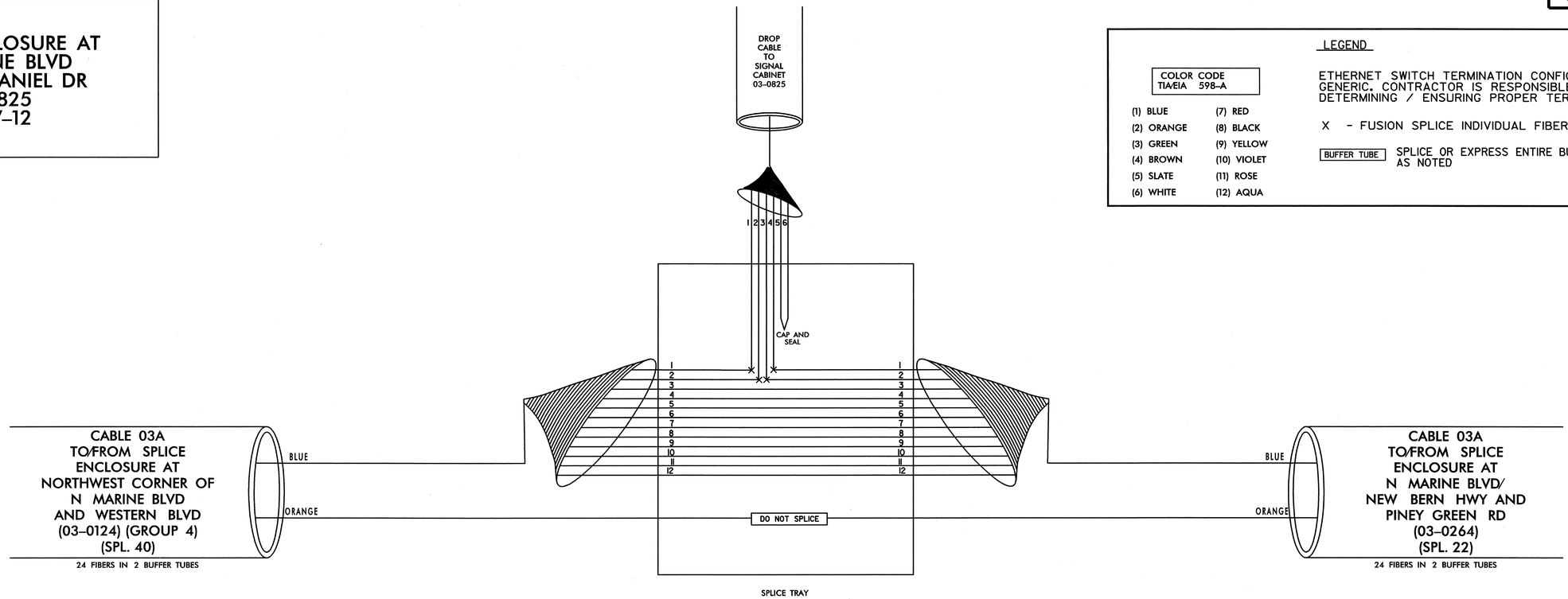
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

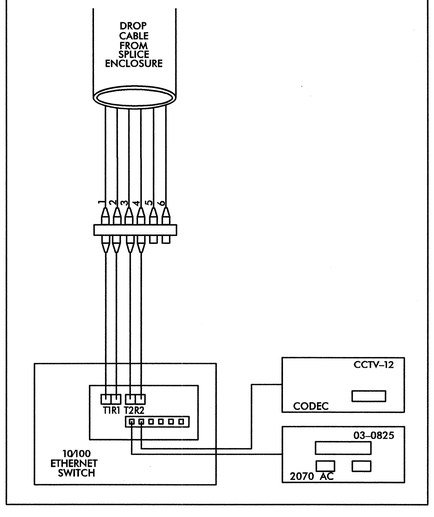
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0825



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SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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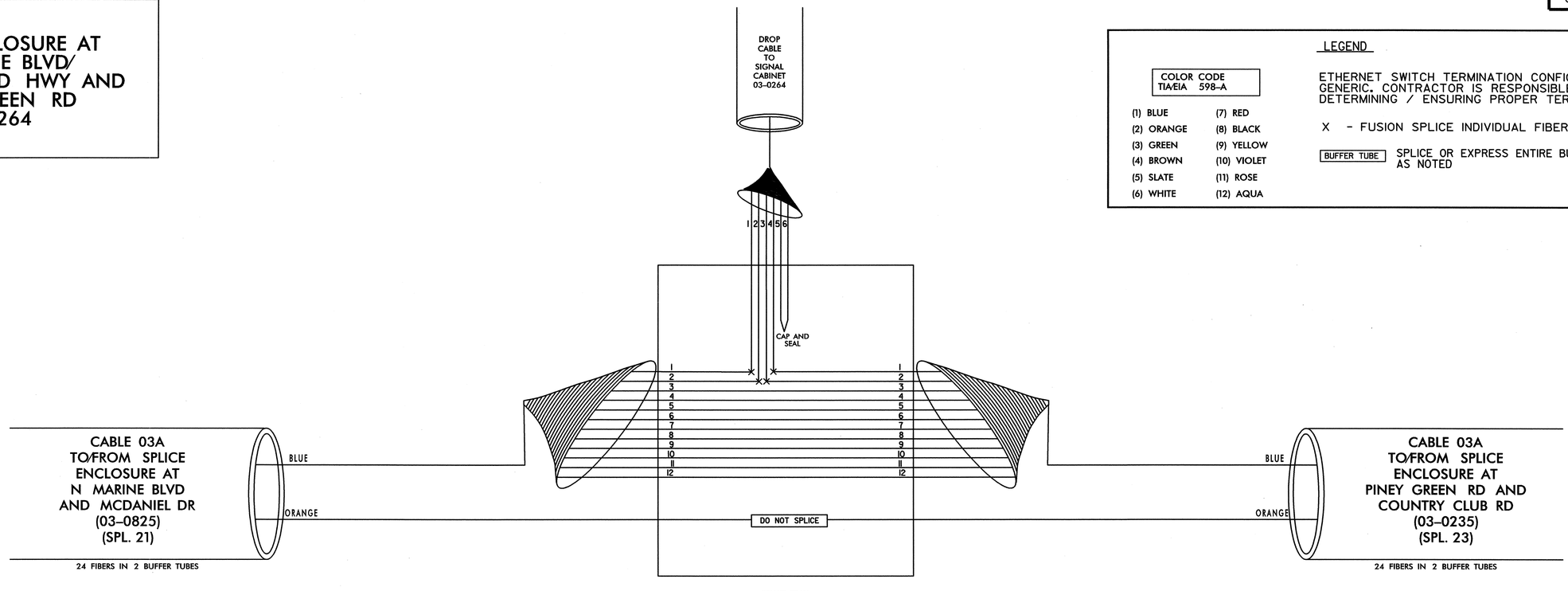
PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 22

SPLICE ENCLOSURE AT N MARINE BLVD/ NEW BERN RD HWY AND PINEY GREEN RD 03-0264



LEGEND

COLOR CODE TIA/EIA 598-A

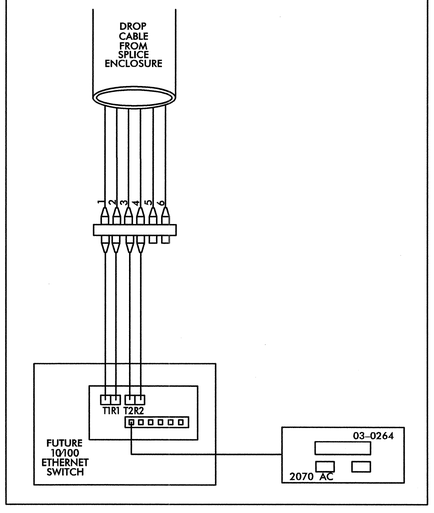
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0264



1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

7/20/2011
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PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MATTHEW M. SMUSZ

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 23

SPLICE ENCLOSURE AT PINEY GREEN RD AND COUNTRY CLUB RD 03-0235

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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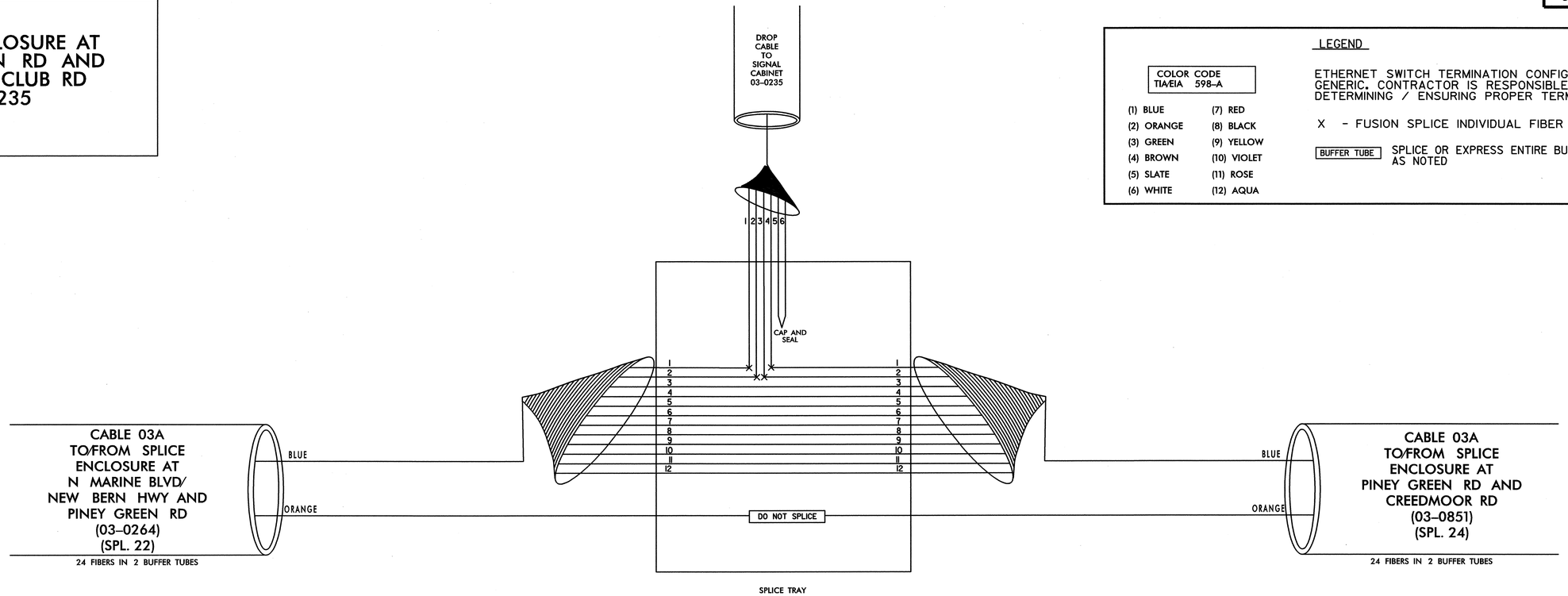
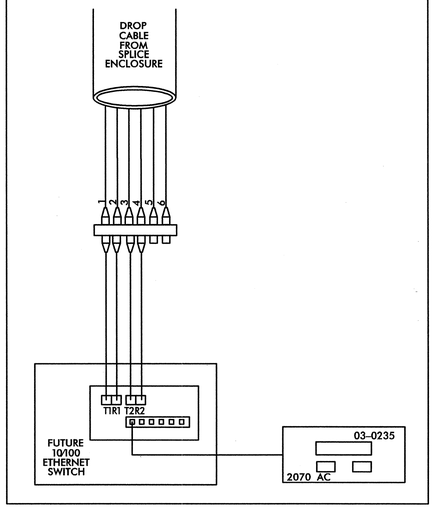
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0235



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2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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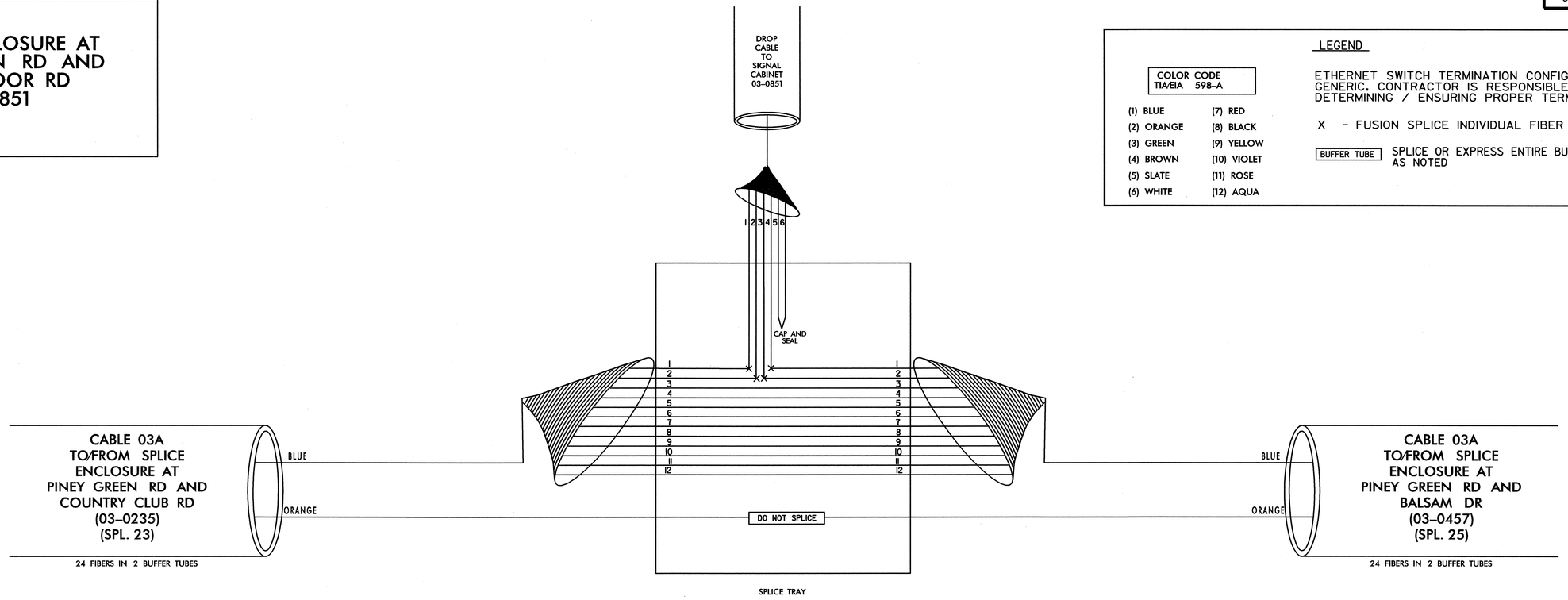
PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 24

SPLICE ENCLOSURE AT PINEY GREEN RD AND CREEDMOOR RD 03-0851



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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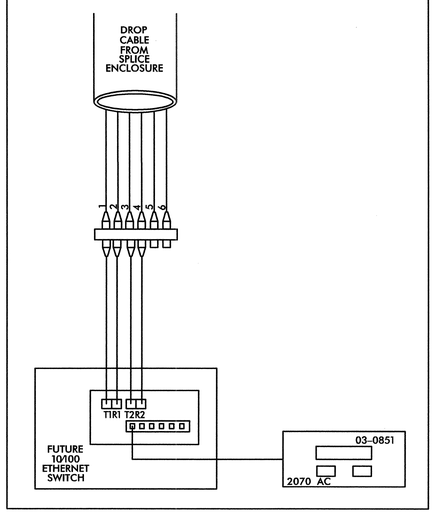
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0851



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2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

PLANS PREPARED IN THE OFFICE OF:
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Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE W. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 25

SPLICE ENCLOSURE AT PINEY GREEN RD AND BALSAM DR 03-0457

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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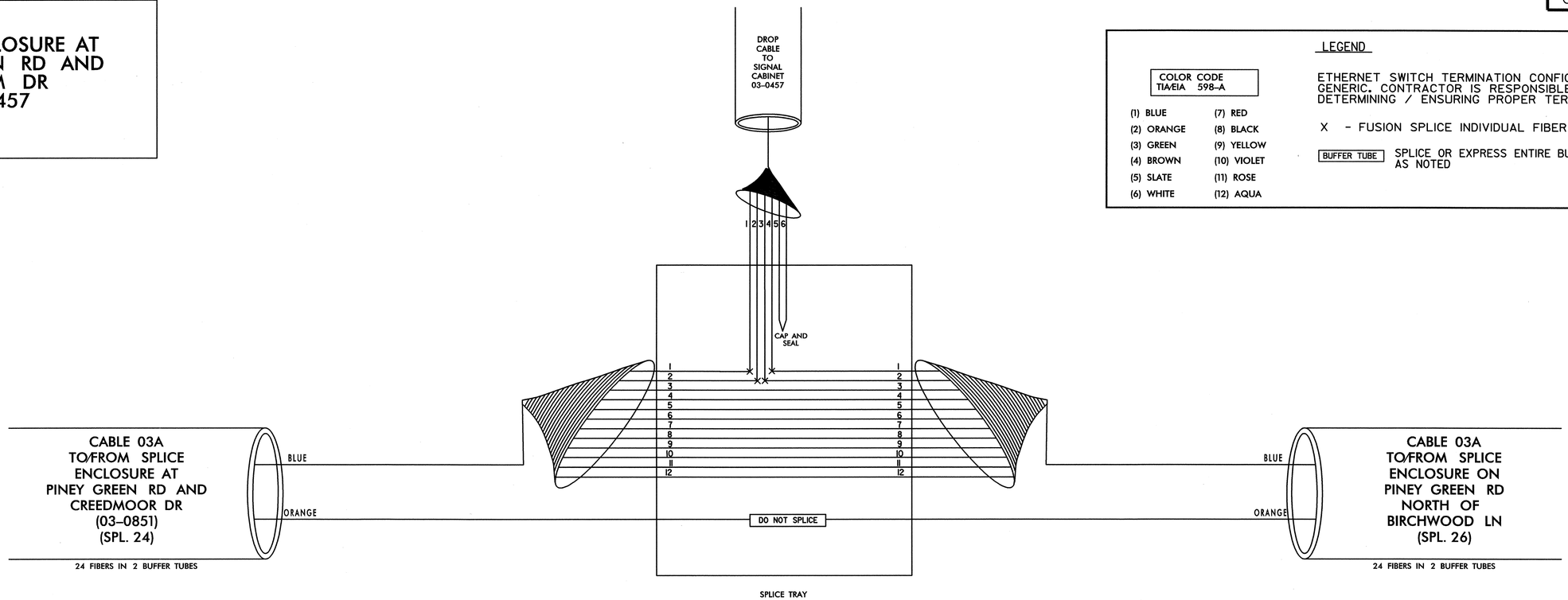
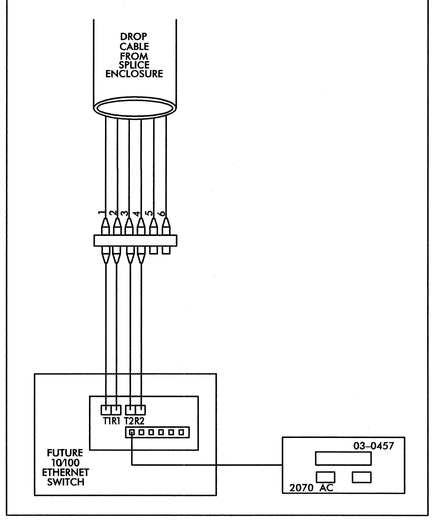
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0457



1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 26

SPLICE ENCLOSURE ON PINEY GREEN RD NORTH OF BIRCHWOOD LN

LEGEND

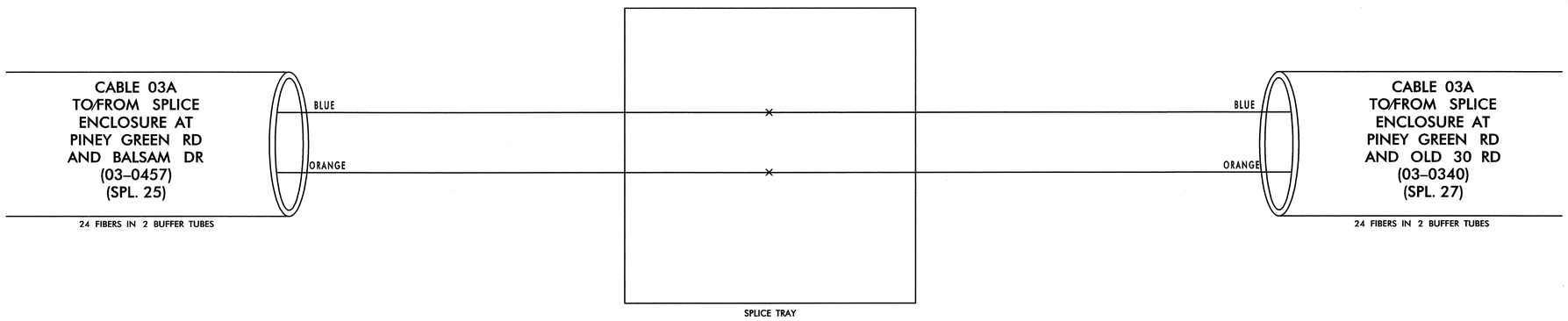
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



7/20/2011
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PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

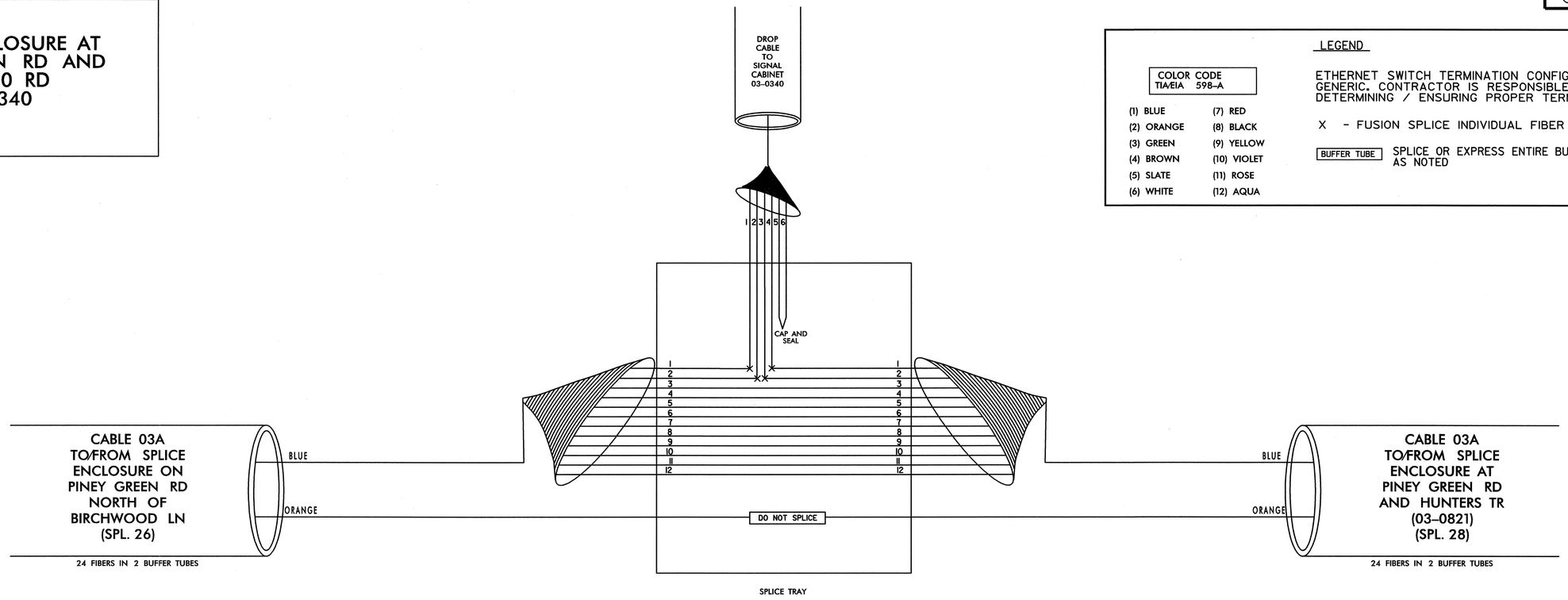
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MCNEELTOCH

7.20.2011
SIGNATURE DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 27

SPLICE ENCLOSURE AT PINEY GREEN RD AND OLD 30 RD 03-0340



LEGEND

COLOR CODE TIA/EIA 598-A

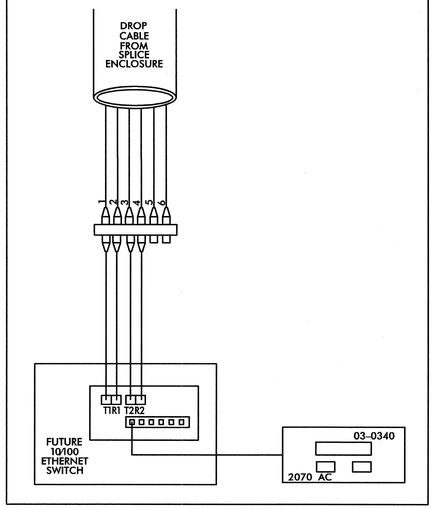
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0340



1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh, N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNGHTON

SIGNATURE 7.20.2011 DATE

7/20/2011
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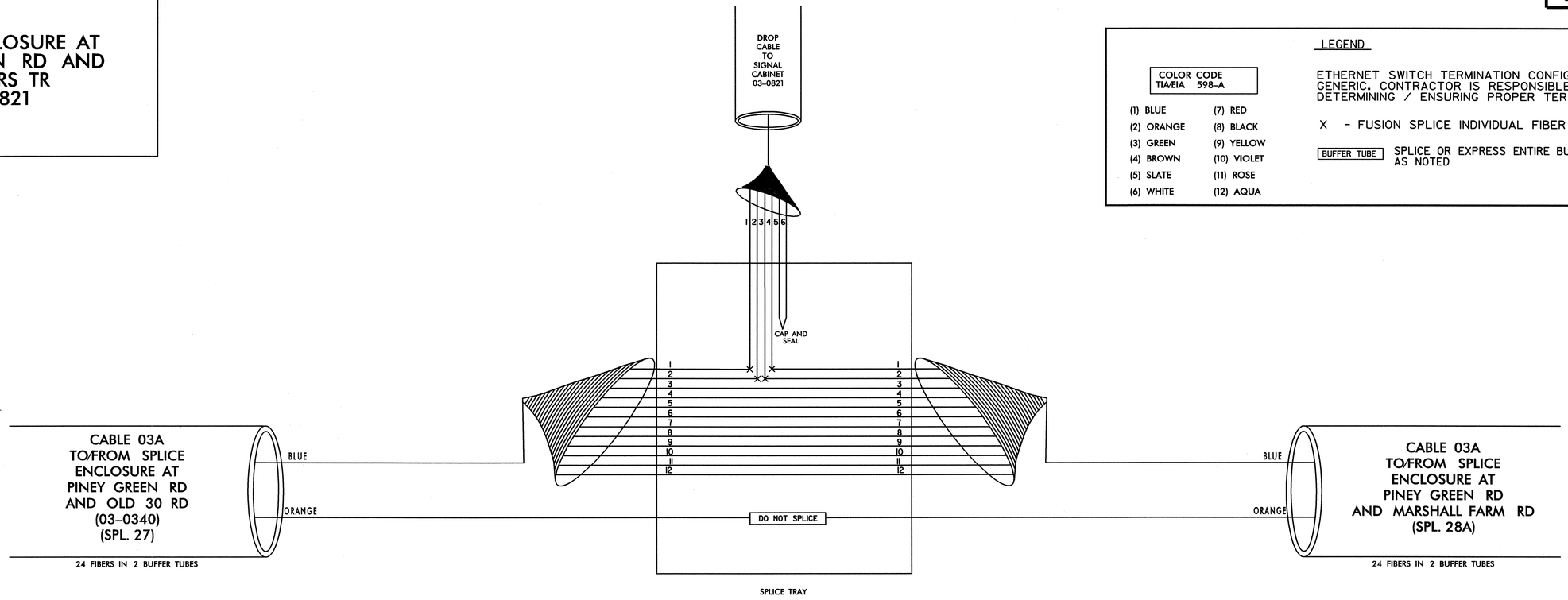
PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 28

SPLICE ENCLOSURE AT PINEY GREEN RD AND HUNTERS TR 03-0821



LEGEND

COLOR CODE TIA/EIA 598-A

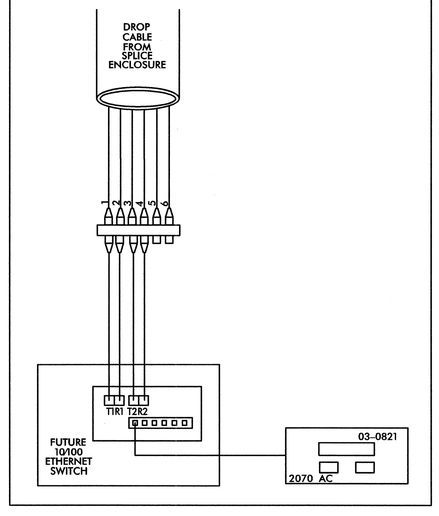
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0821



1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

7/20/2011
...\SPLICING\jax_spl_028.dgn

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Mobility and Safety Division
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

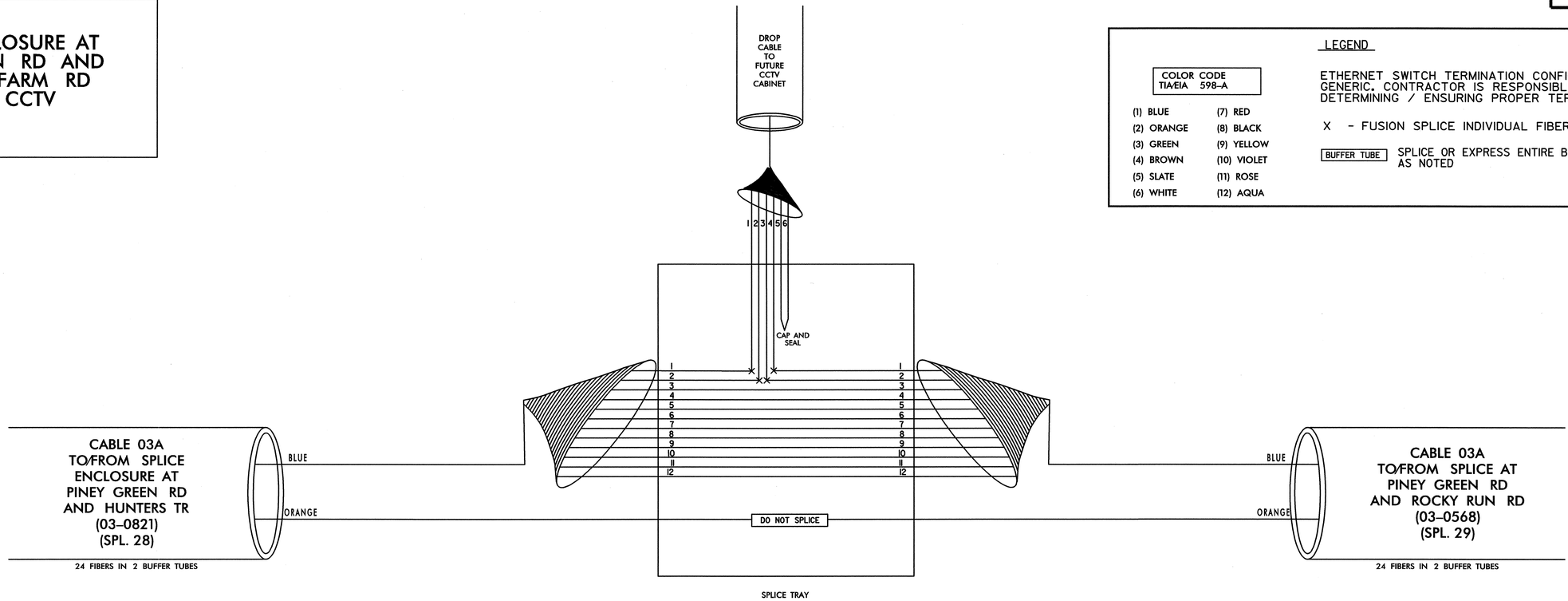
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE W. SMUSZ MCINGVALE

7.20.2011
SIGNATURE DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL.28A

SPLICE ENCLOSURE AT PINEY GREEN RD AND MARSHALL FARM RD FUTURE CCTV



LEGEND

COLOR CODE TIA/EIA 598-A

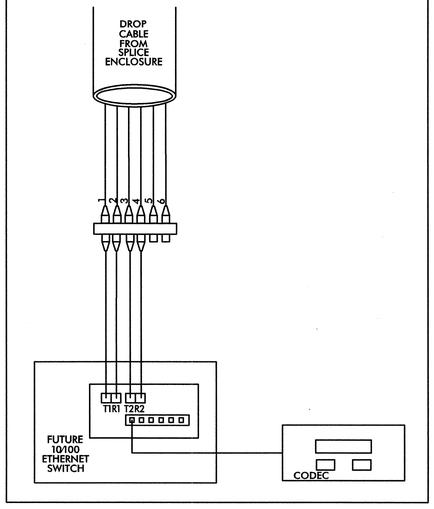
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

FUTURE CCTV CABINET



1. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Mobility and Safety Division
Transportation Management Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

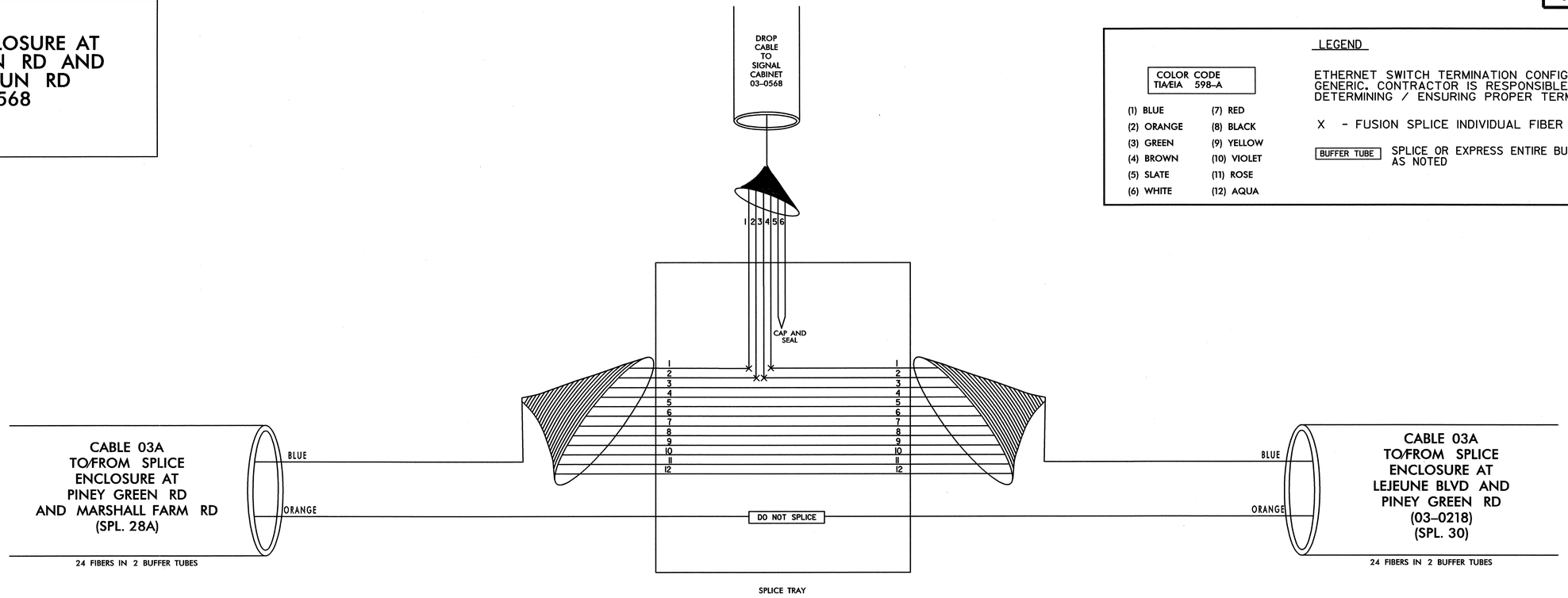
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNICHOLAS

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\dx_spl_028Adgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 29

SPLICE ENCLOSURE AT PINEY GREEN RD AND ROCKY RUN RD 03-0568



LEGEND

COLOR CODE TIA/EIA 598-A

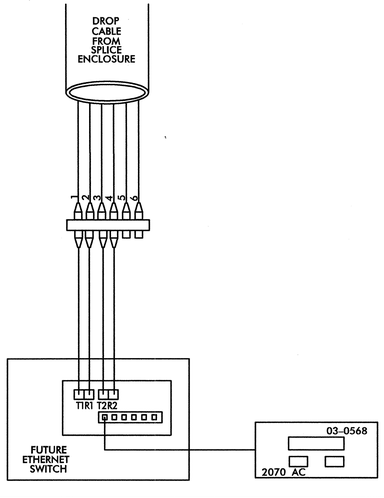
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0568



1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

7/20/2011
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PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Traffic Engineering Branch
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MCNEELY

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 30

SPLICE ENCLOSURE AT LEJEUNE BLVD AND PINEY GREEN RD 03-0218

LEGEND

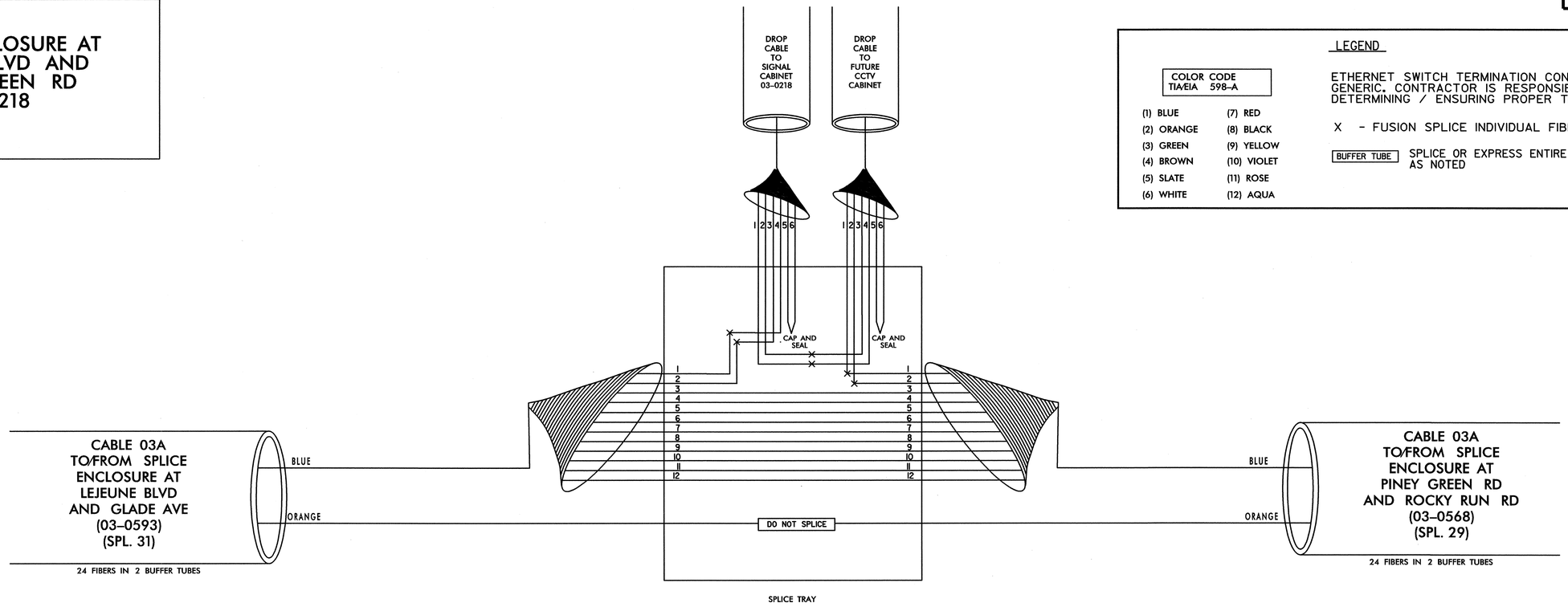
COLOR CODE TIA/EIA 598-A

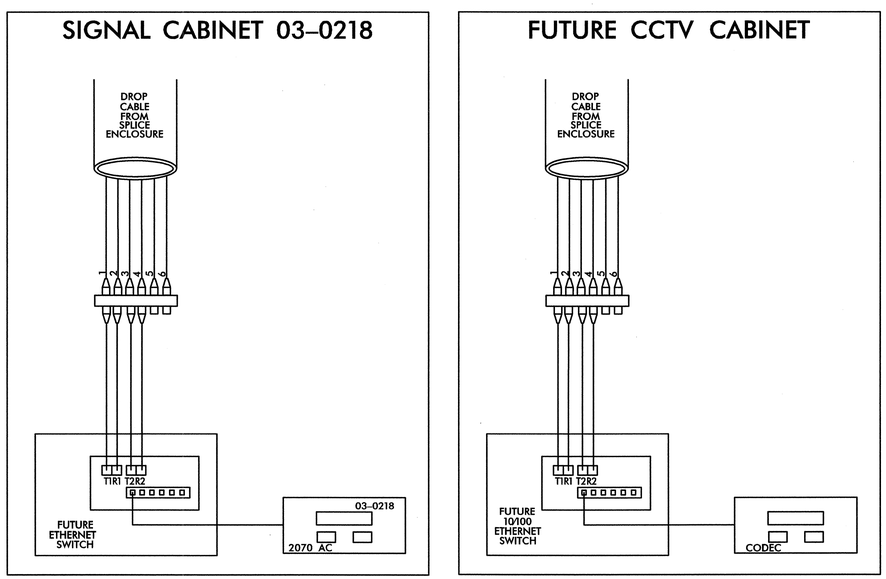
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED





1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — Intelligent Transportation Systems Section — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENDELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 31

SPLICE ENCLOSURE AT LEJEUNE BLVD AND GLADE AVE 03–0593 WIRELESS CCTV–40

LEGEND

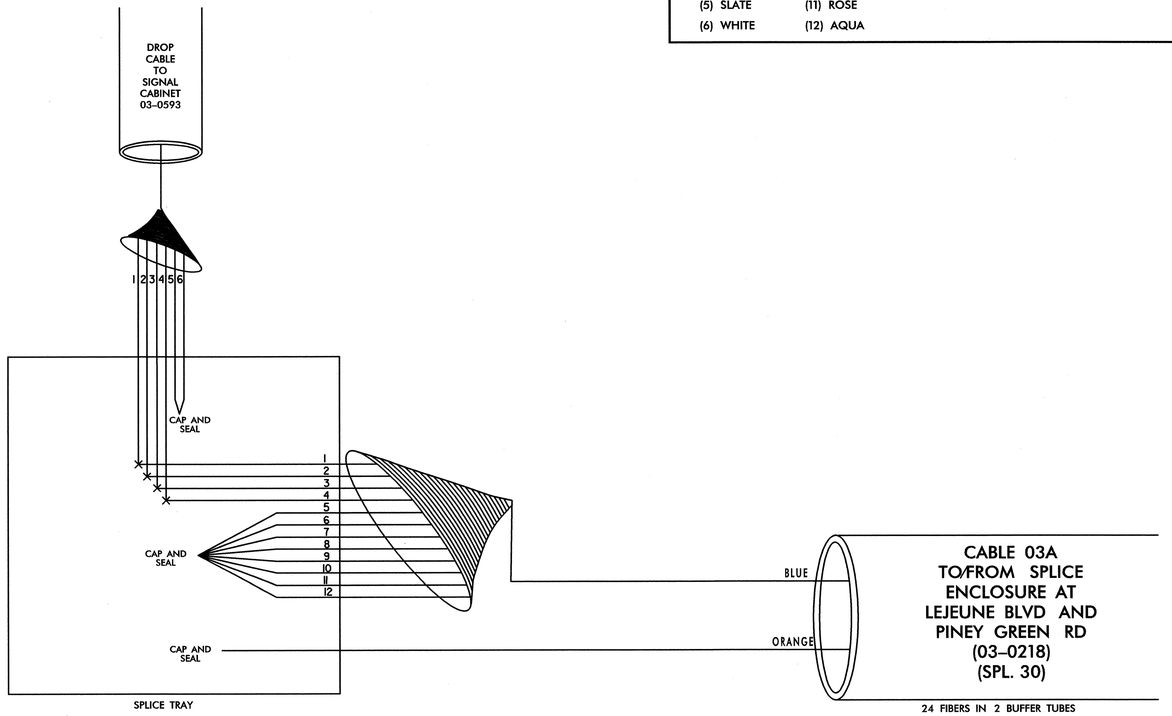
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

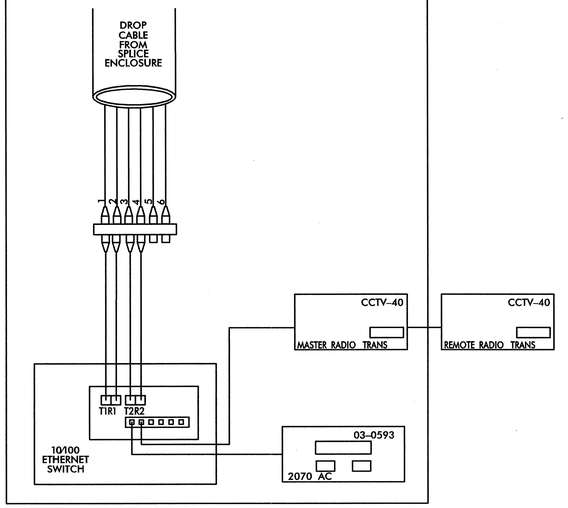
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0593



1. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. SWITCH INTEGRATION TO BE PERFORMED UNDER U3810.

7/25/2011
_\SPLICING\box_spl_031.dgn

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 3 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MATTHEW W. SMUSZ MCNEELEDGE

SIGNATURE 7.26.11 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 32

SPLICE ENCLOSURE AT WESTERN BLVD AND CAROLINA FOREST BLVD 03-1015 CCTV-4

LEGEND

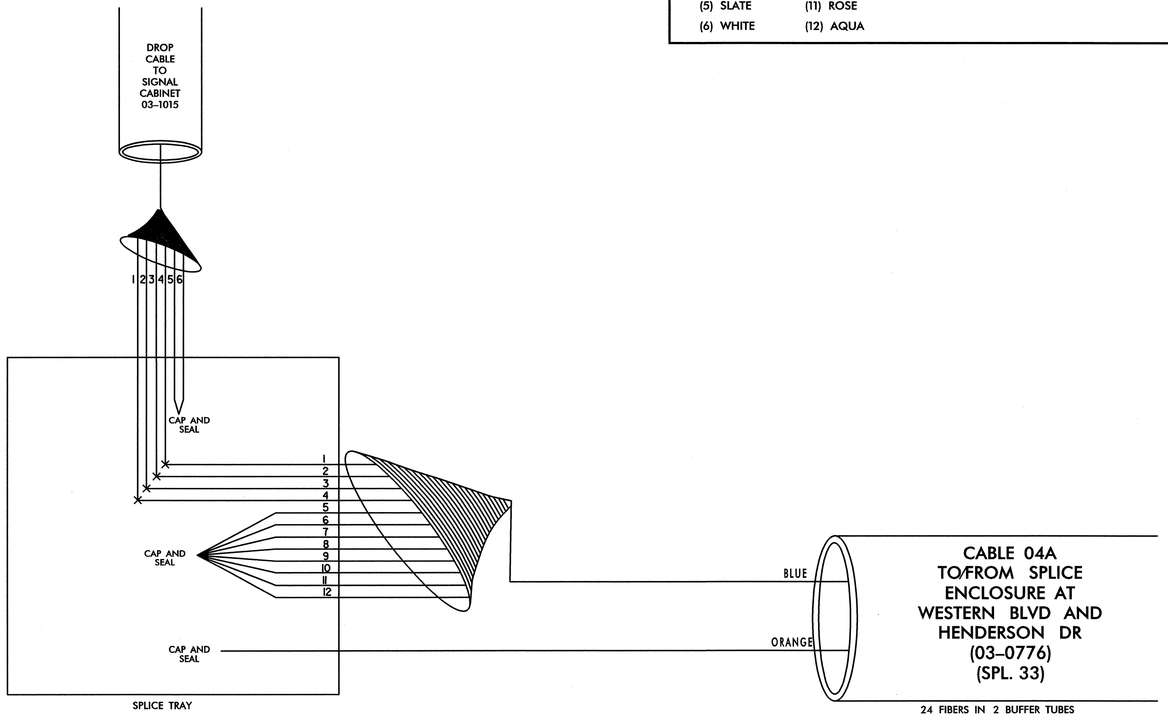
COLOR CODE TIA/EIA 598-A

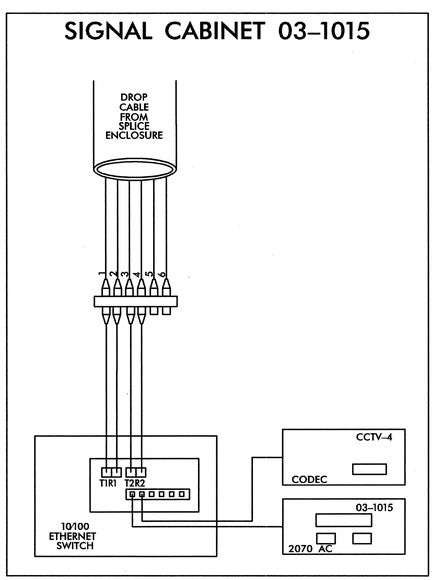
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED





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PLANS PREPARED IN THE OFFICE OF:
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Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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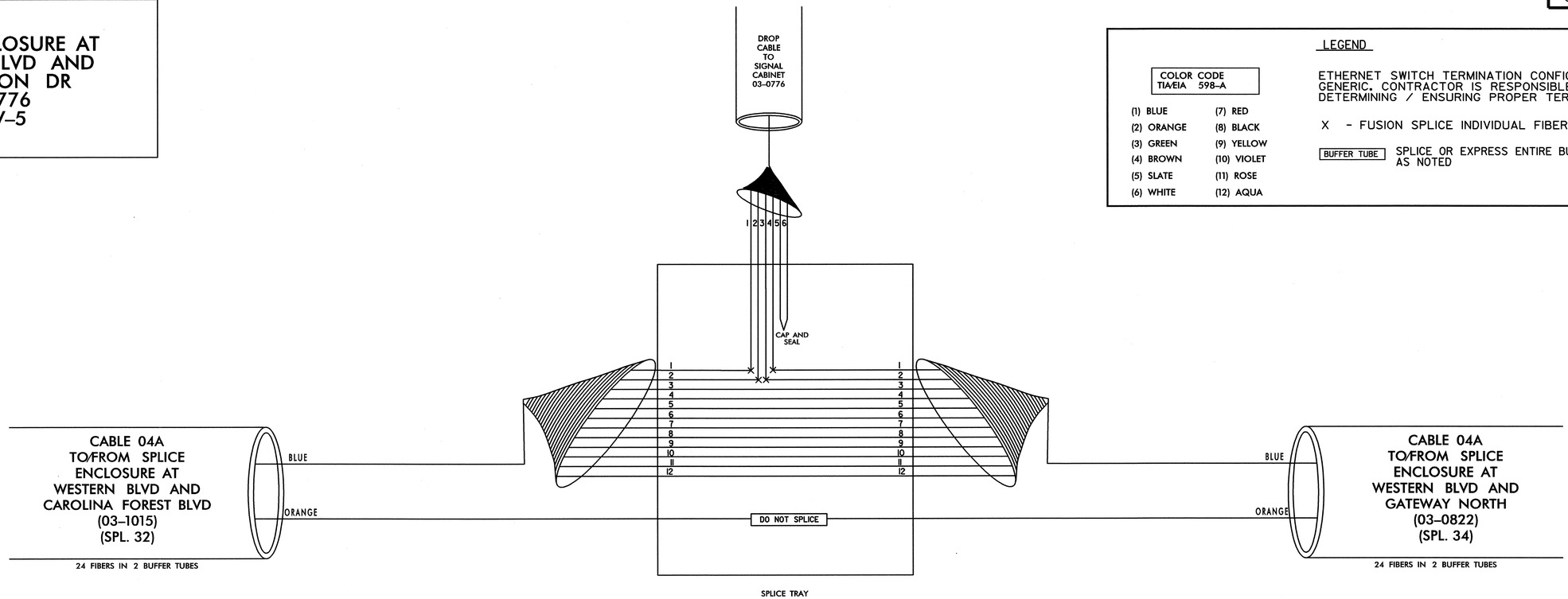
PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 33

SPLICE ENCLOSURE AT WESTERN BLVD AND HENDERSON DR 03–0776 CCTV–5



LEGEND

COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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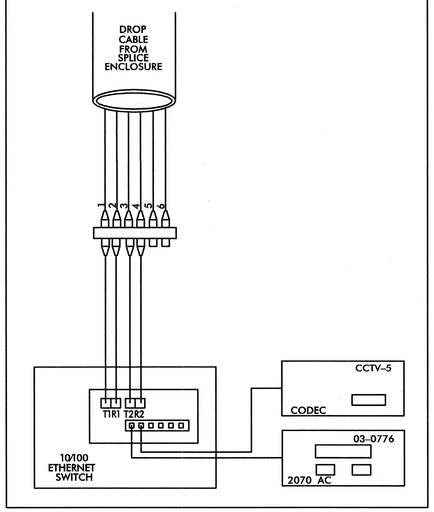
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0776



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_033.dgn

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
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(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Traffic Engineering Branch
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

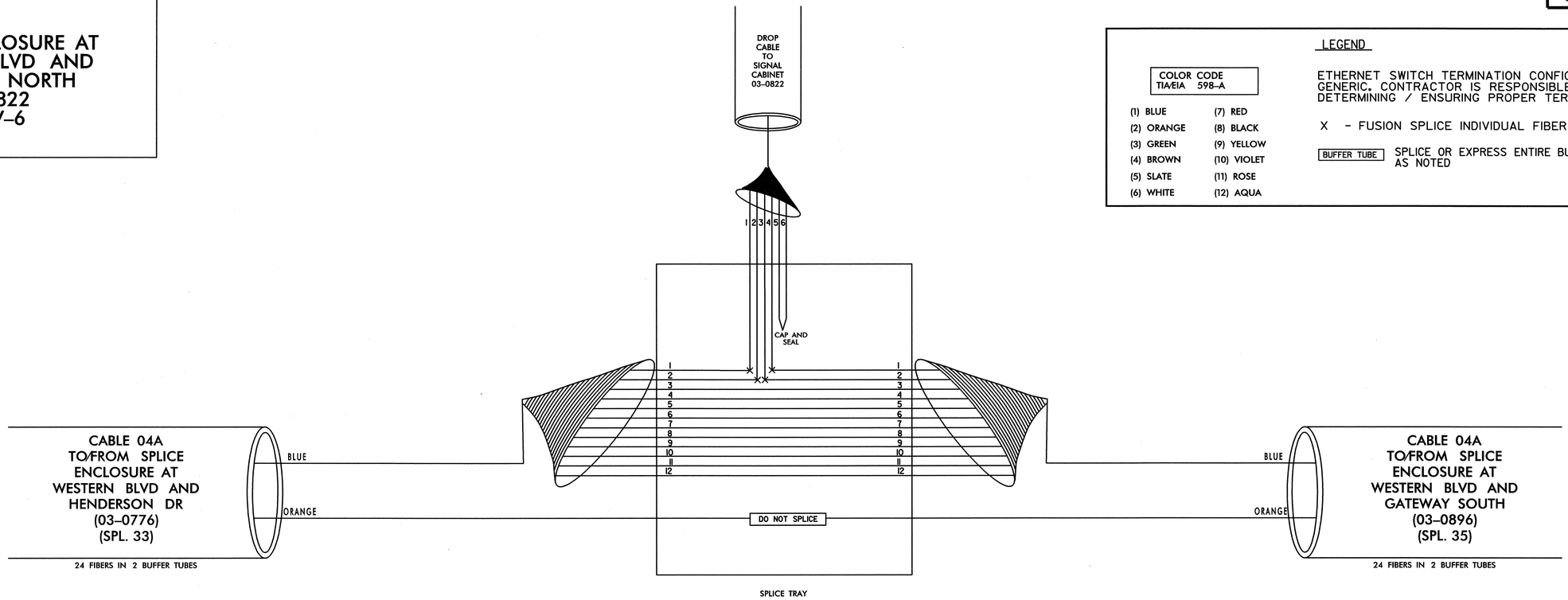
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGUCCIOCH

SIGNATURE — 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 34

SPLICE ENCLOSURE AT WESTERN BLVD AND GATEWAY NORTH 03-0822 CCTV-6



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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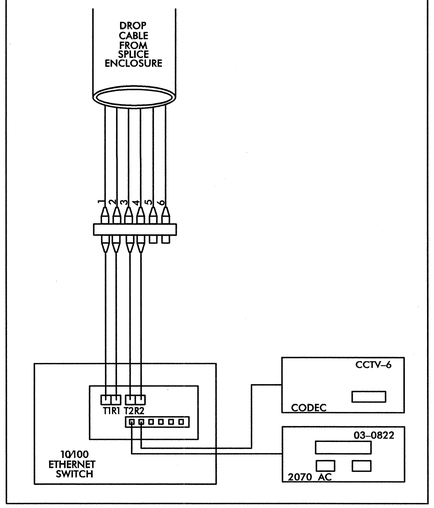
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0822



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Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

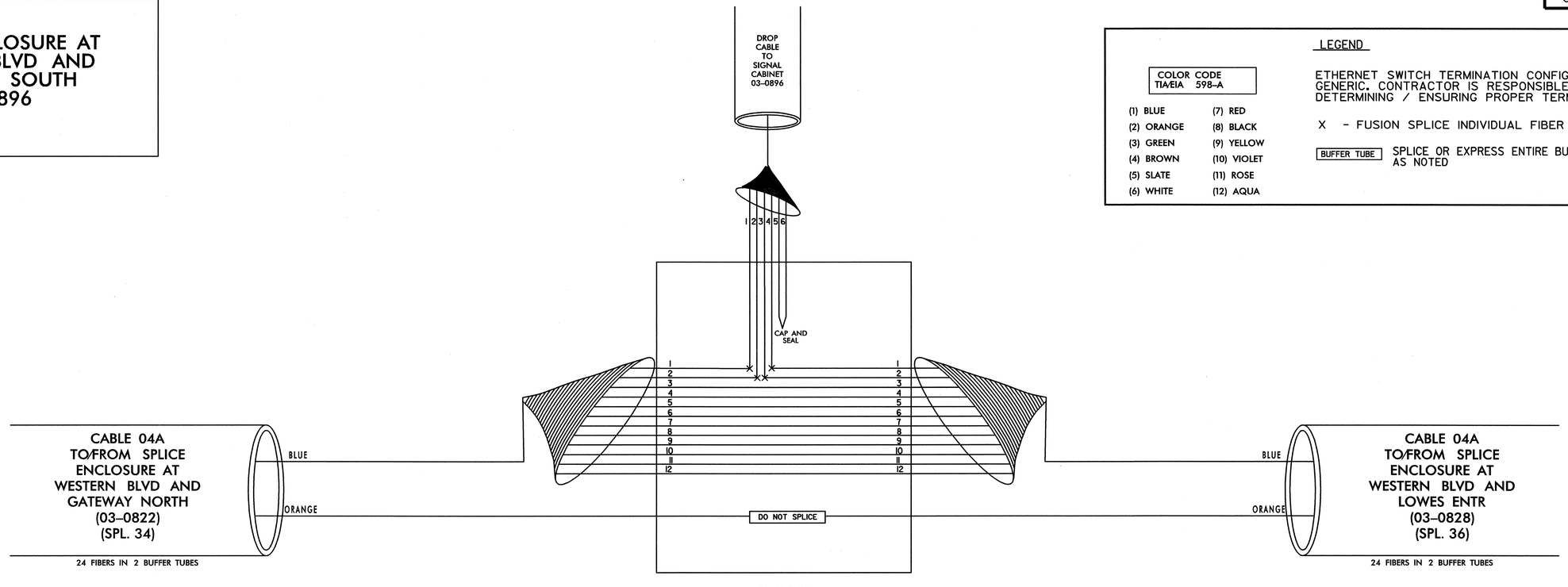
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_034.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 35

SPLICE ENCLOSURE AT WESTERN BLVD AND GATEWAY SOUTH 03-0896



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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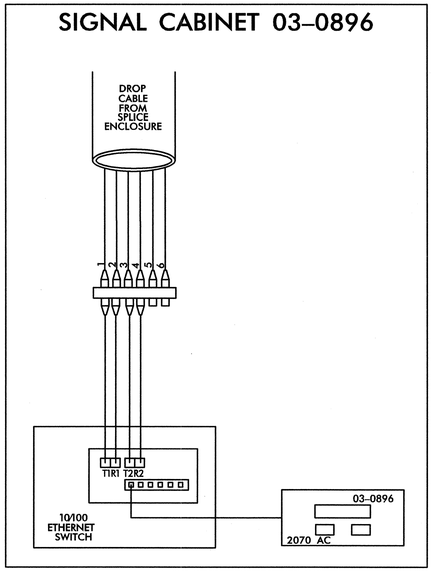
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0896



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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 36

SPLICE ENCLOSURE AT WESTERN BLVD AND LOWES ENTR 03-0828

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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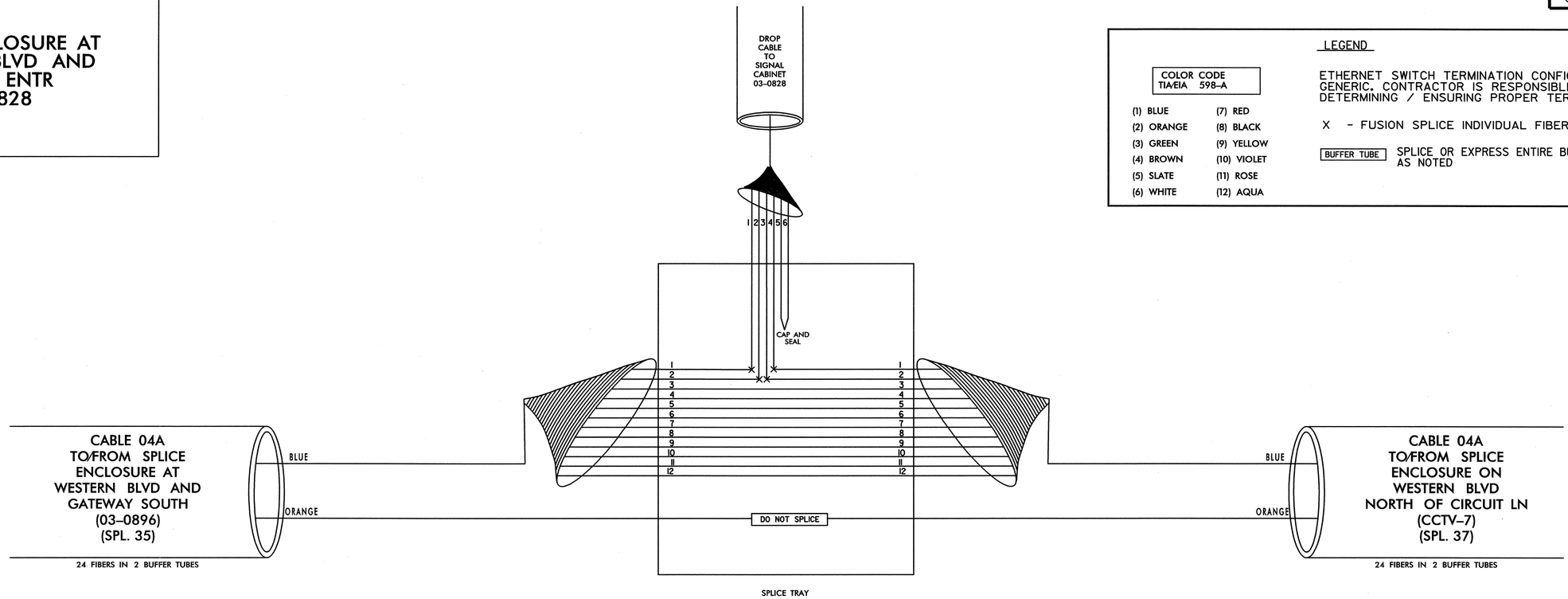
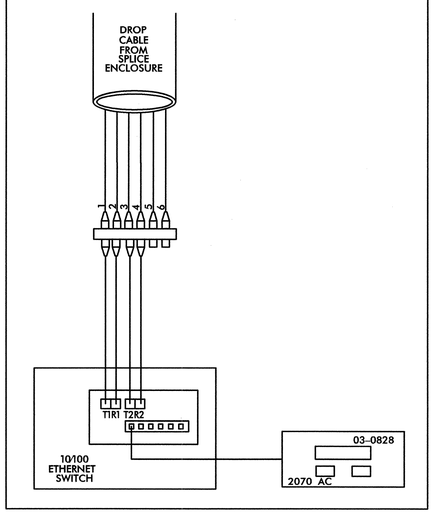
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0828



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

7-20-2011
SIGNATURE DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 37

SPLICE ENCLOSURE ON WESTERN BLVD NORTH OF CIRCUIT LN CCTV-7

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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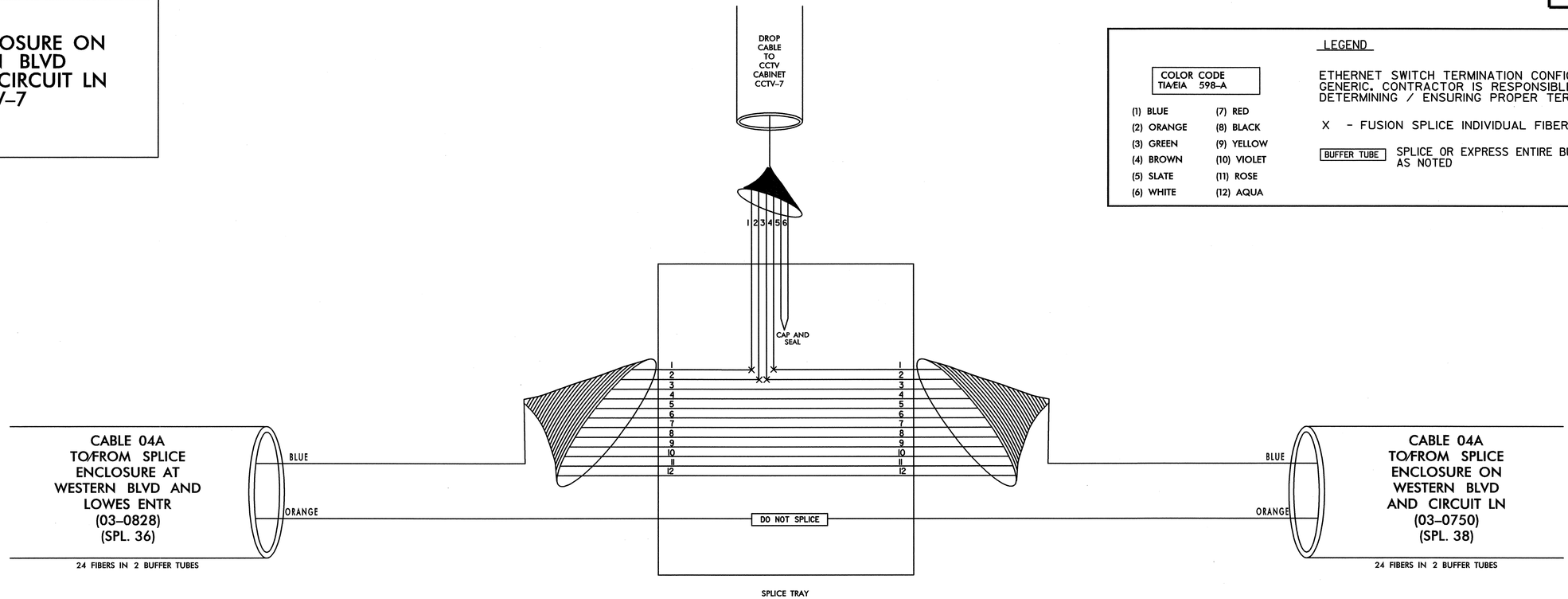
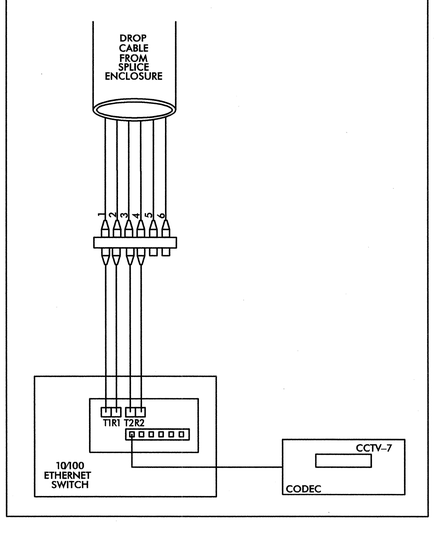
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



CCTV CABINET CCTV-7



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PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

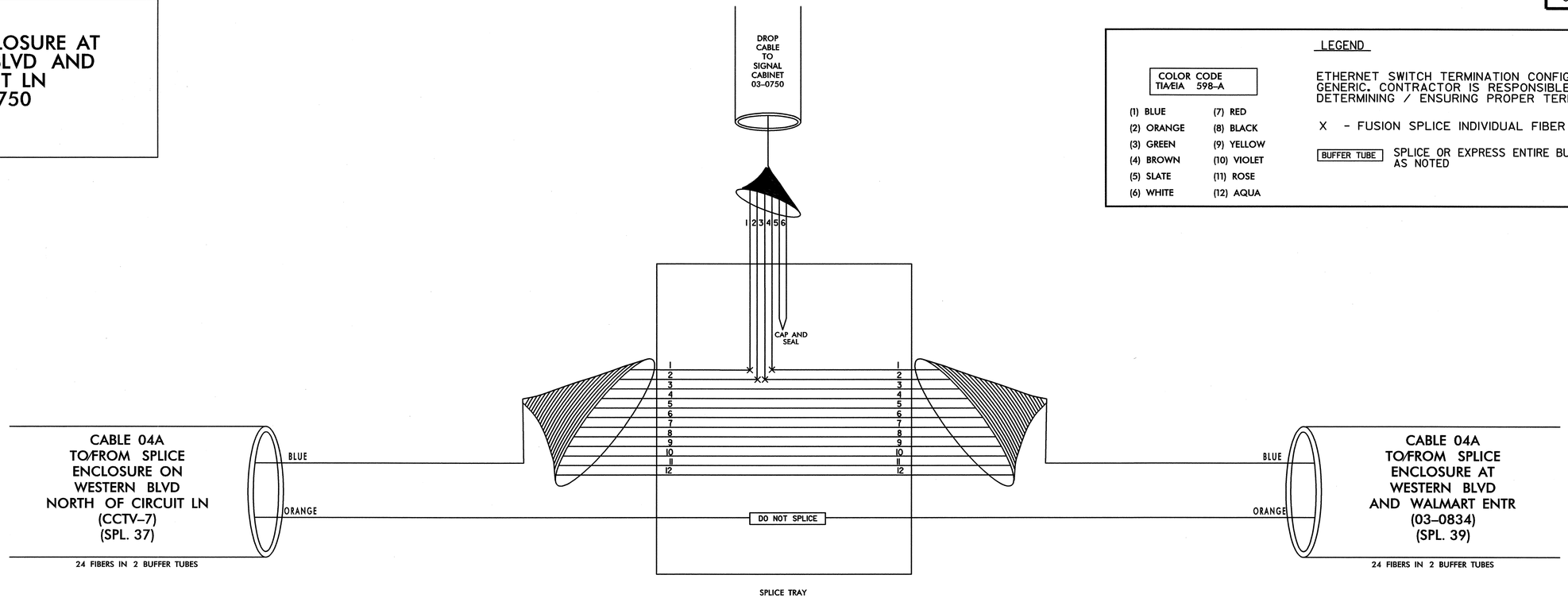
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_037.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 38

SPLICE ENCLOSURE AT WESTERN BLVD AND CIRCUIT LN 03–0750



LEGEND

COLOR CODE TIA/EIA 598-A

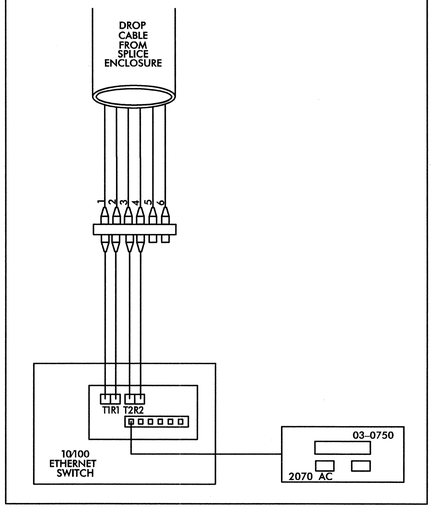
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0750



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
Traffic Engineering Branch
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

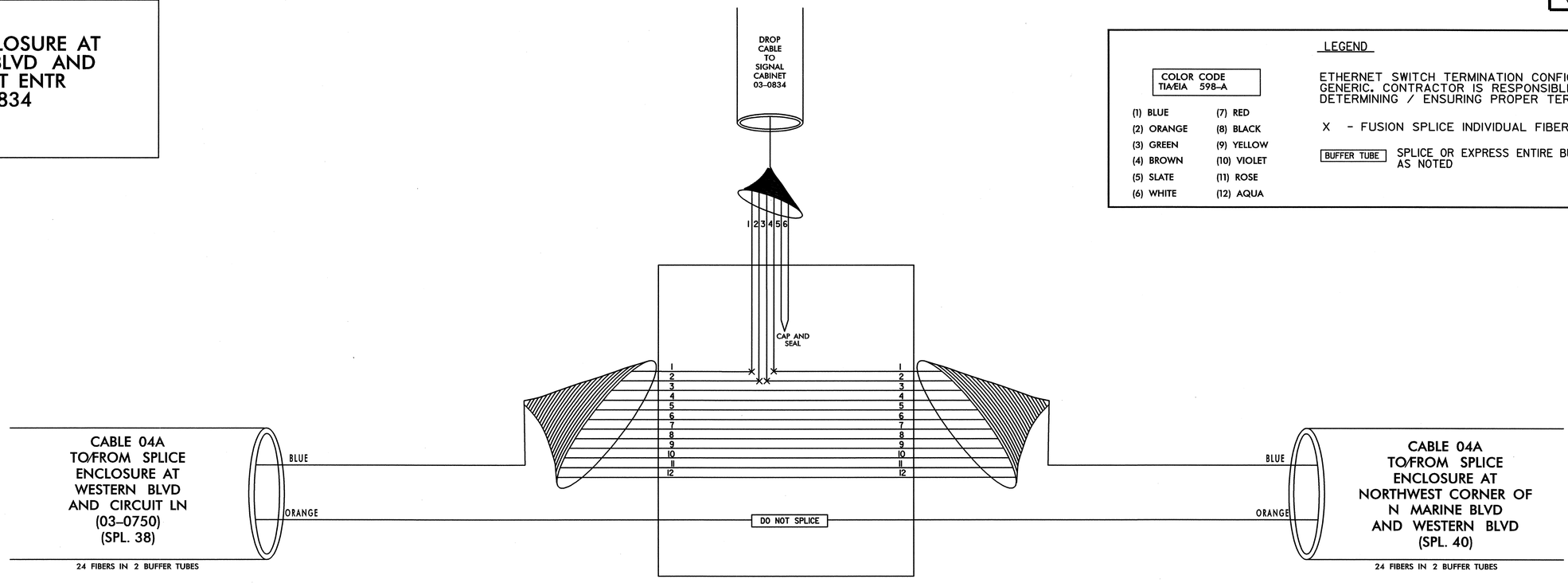
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELTOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\box_spl_038.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 39

SPLICE ENCLOSURE AT WESTERN BLVD AND WALMART ENTR 03-0834



LEGEND

COLOR CODE TIA/EIA 598-A

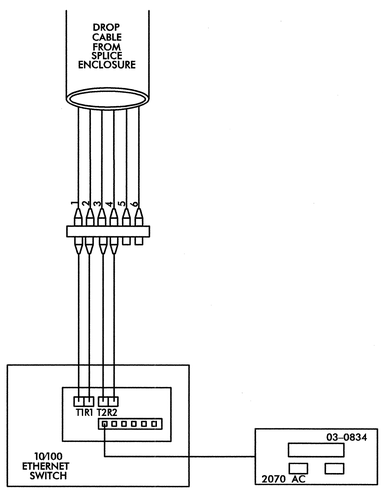
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0834



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_039.dgn

PLANS PREPARED IN THE OFFICE OF:
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Raleigh N.C. 27636-3068
(919) 677-2000

NCDOT Transportation Mobility and Safety Division Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MICHELLE M. SMUSZ

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 39A

SPLICE ENCLOSURE AT N MARINE BLVD AND US 17 BYPASS

LEGEND

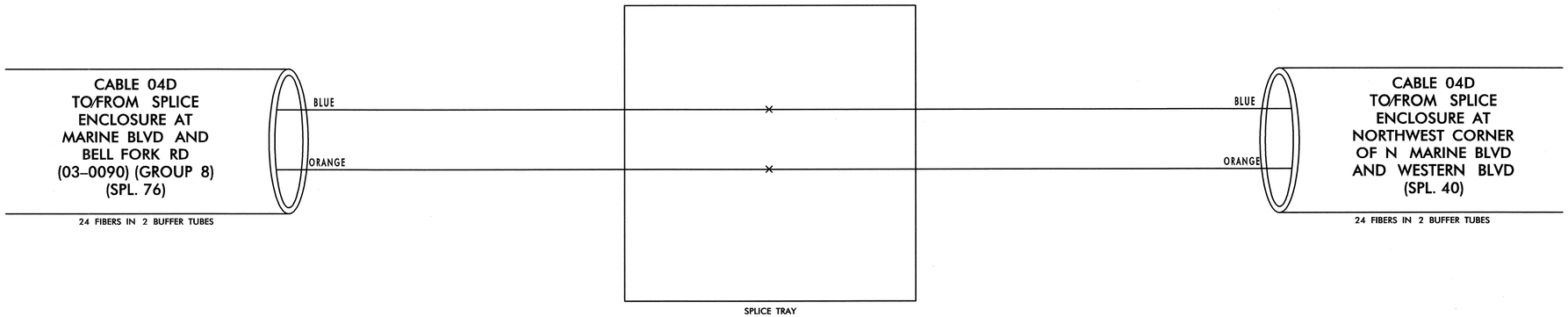
COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

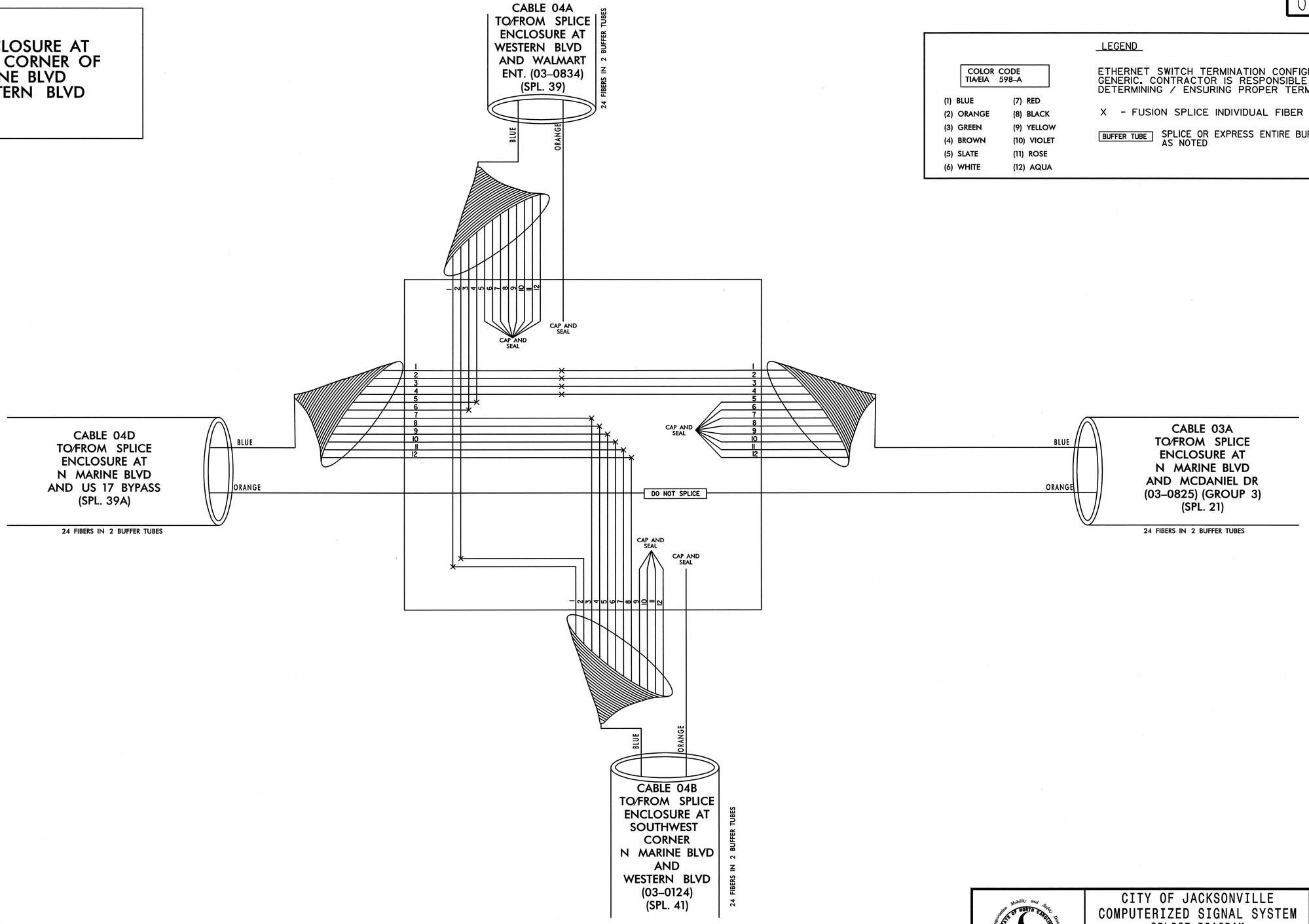
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\Jax_spl_039Adgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 40

SPLICE ENCLOSURE AT NORTHWEST CORNER OF N MARINE BLVD AND WESTERN BLVD



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

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CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

SCALE: 0 NONE

REVISIONS	INIT.	DATE

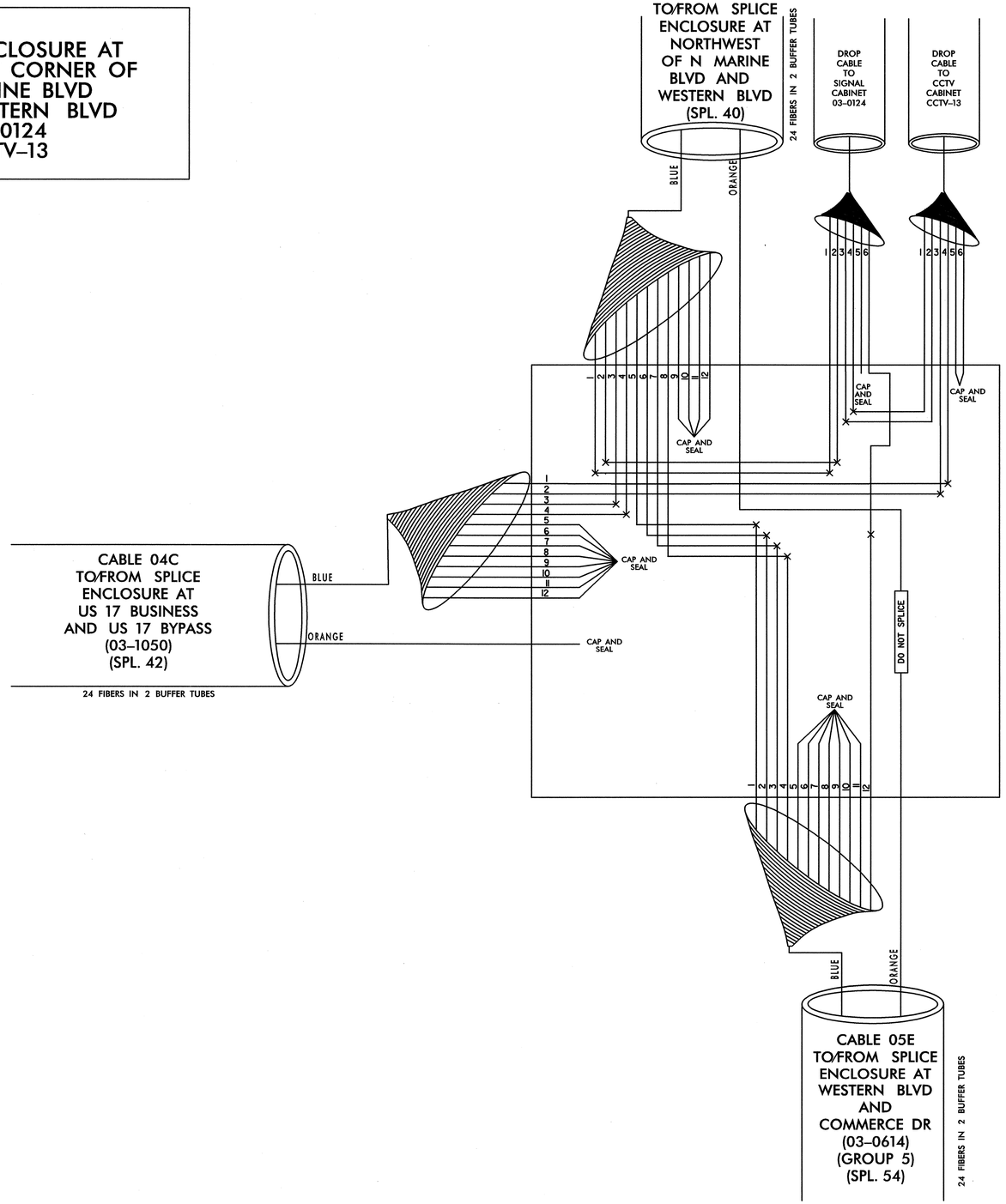
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATHALIE M. SMISZ MENGELOCH

SIGNATURE 7/20/2011 DATE

7/20/2011
...\SPLICING\Jax_spl_040.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 41

SPLICE ENCLOSURE AT SOUTHWEST CORNER OF N MARINE BLVD AND WESTERN BLVD 03–0124 CCTV–13



LEGEND

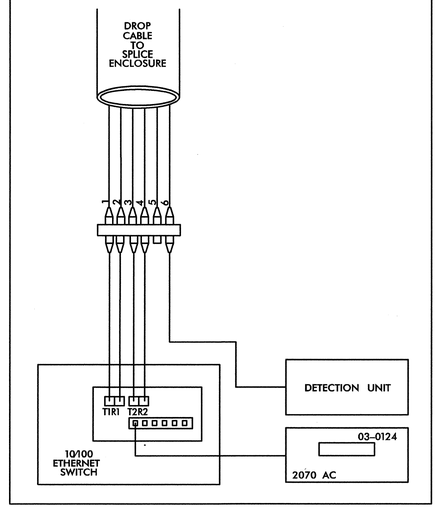
COLOR CODE TIA/EIA 598–A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

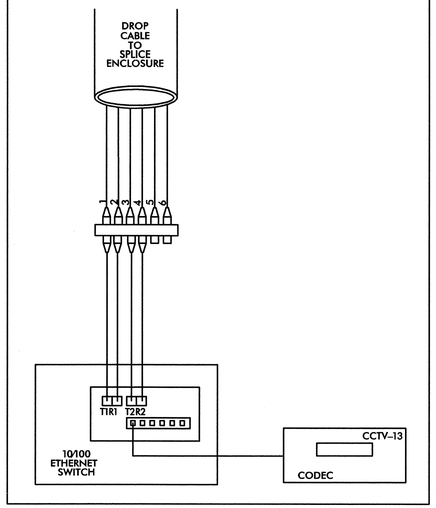
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0124



CCTV CABINET CCTV–13



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
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Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

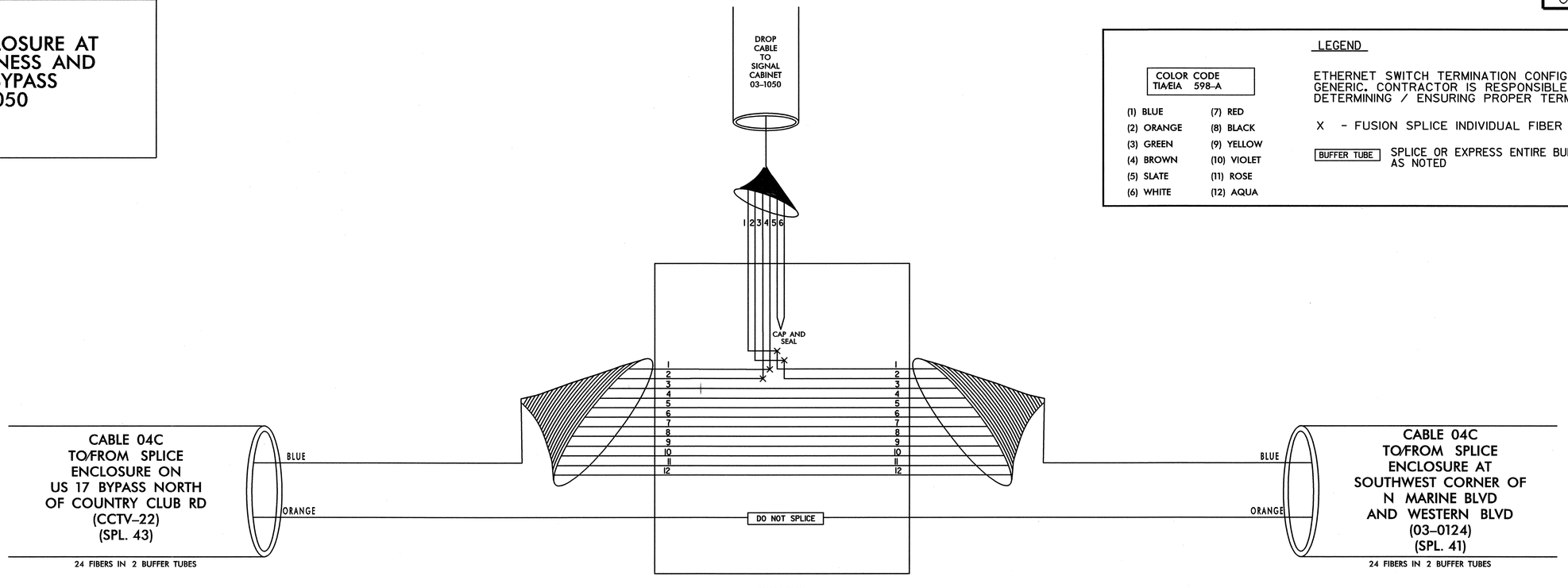
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\Jax_spl_04.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 42

SPLICE ENCLOSURE AT US 17 BUSINESS AND US 17 BYPASS 03–1050



LEGEND

COLOR CODE TIA/EIA 598-A

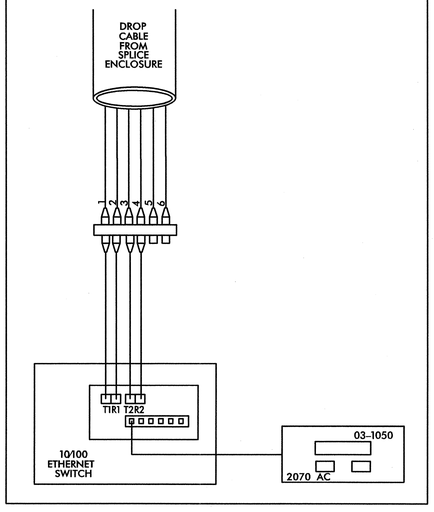
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–1050



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
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Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

SIGNATURE 8/9/11 DATE

8/9/2011 ...\SPLICING\jax_spl_042.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 43

SPLICE ENCLOSURE ON US 17 BYPASS NORTH OF COUNTRY CLUB RD CCTV–22

LEGEND

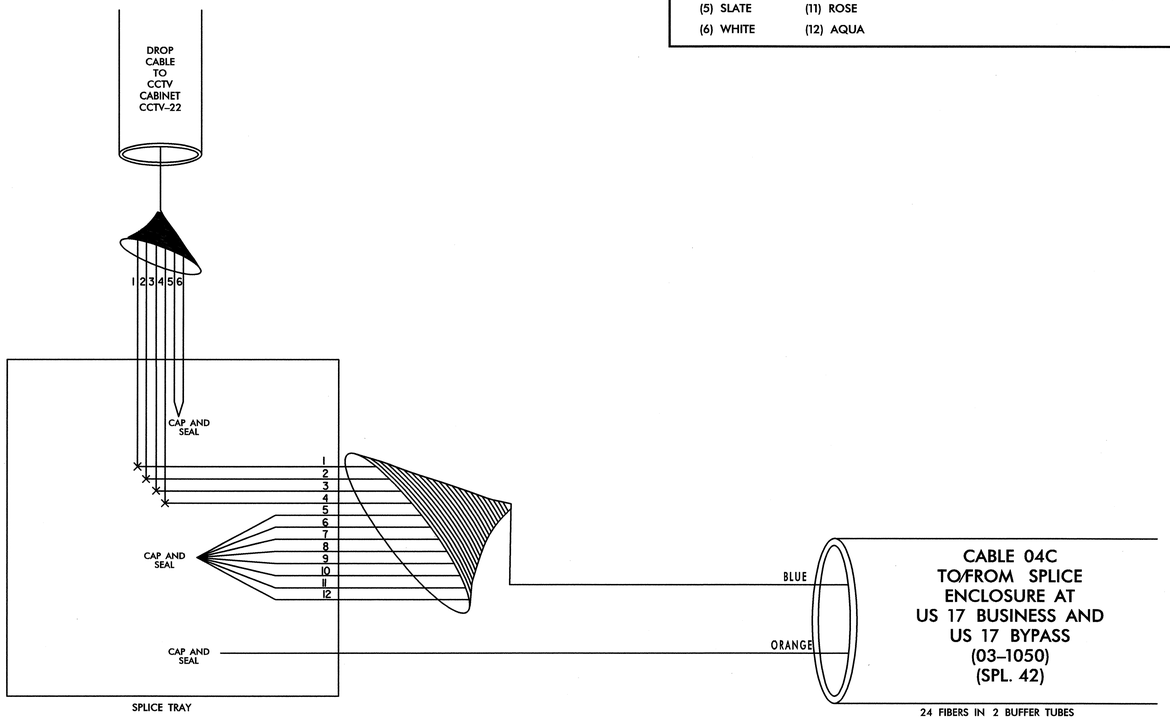
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

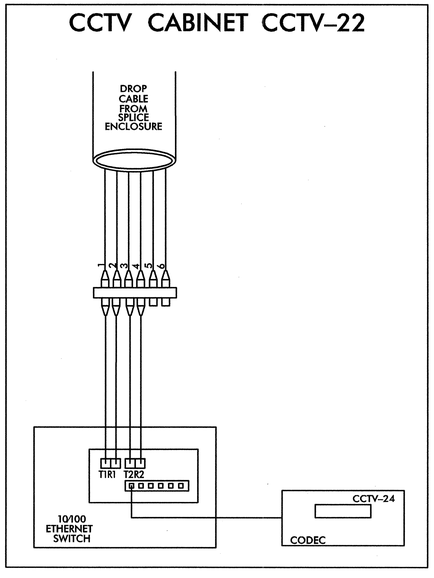
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



CCTV CABINET CCTV–22



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_043.dgn

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 4 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

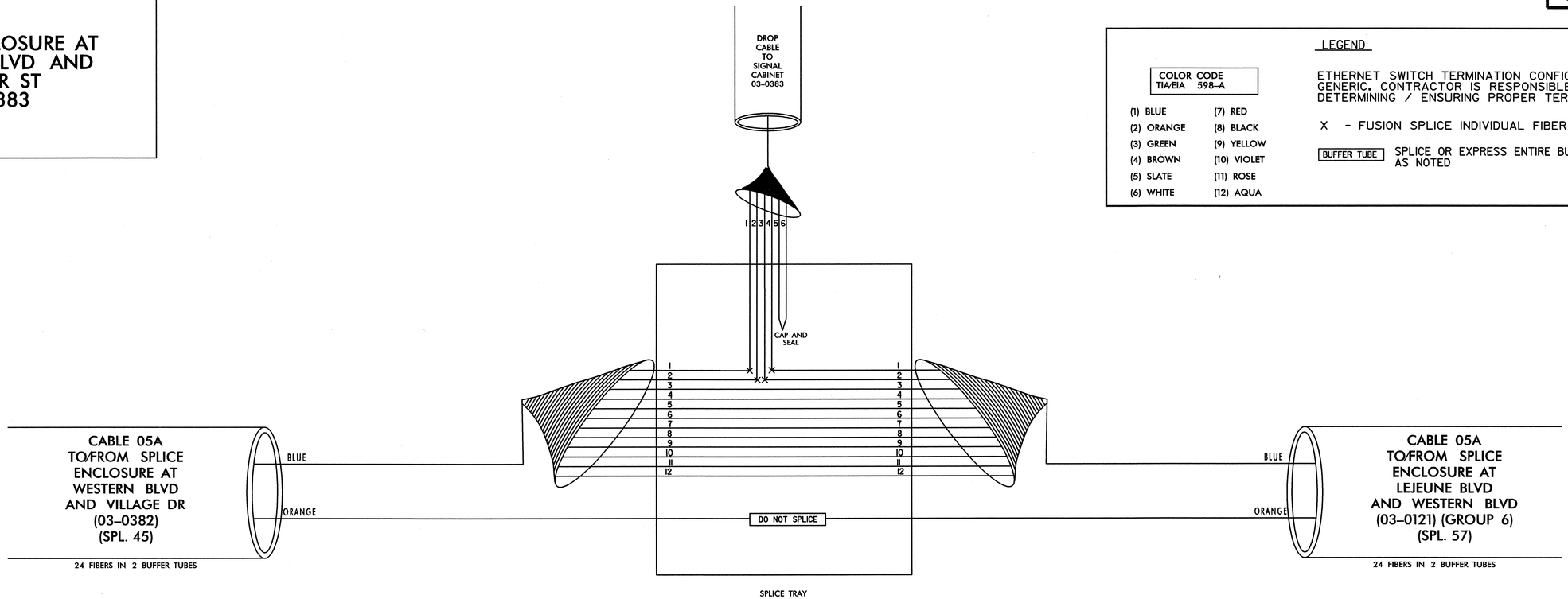
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNEELTOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 44

SPLICE ENCLOSURE AT WESTERN BLVD AND CENTER ST 03-0383



LEGEND

COLOR CODE TIA/EIA 598-A

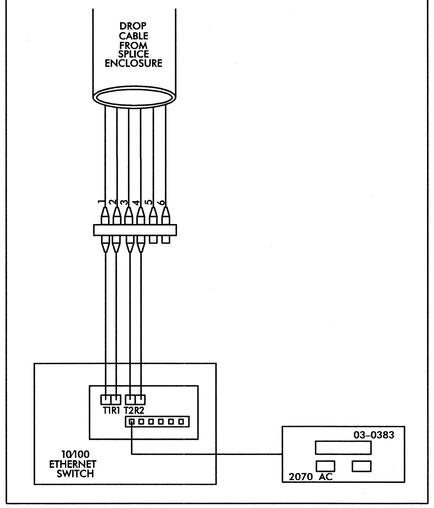
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0383



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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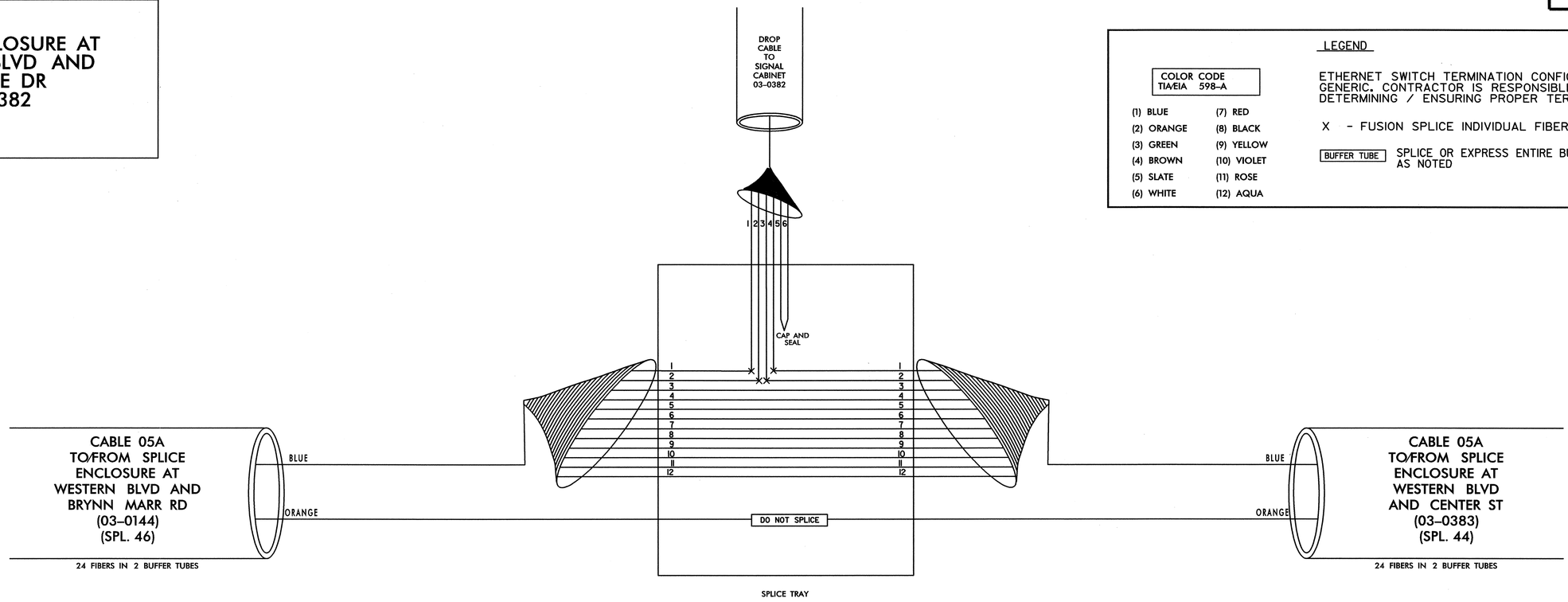
PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 45

SPLICE ENCLOSURE AT WESTERN BLVD AND VILLAGE DR 03-0382



LEGEND

COLOR CODE TIA/EIA 598-A

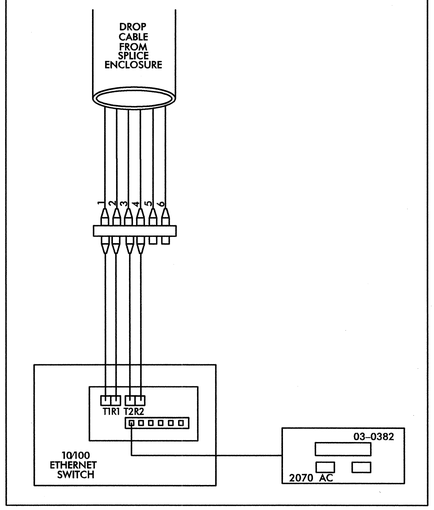
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0382



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_045.dgn

PLANS PREPARED IN THE OFFICE OF:

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Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MATTHEW M. SMUSZ

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 46

SPLICE ENCLOSURE AT WESTERN BLVD AND BRYNN MARR RD 03–0144 CCTV–25

LEGEND

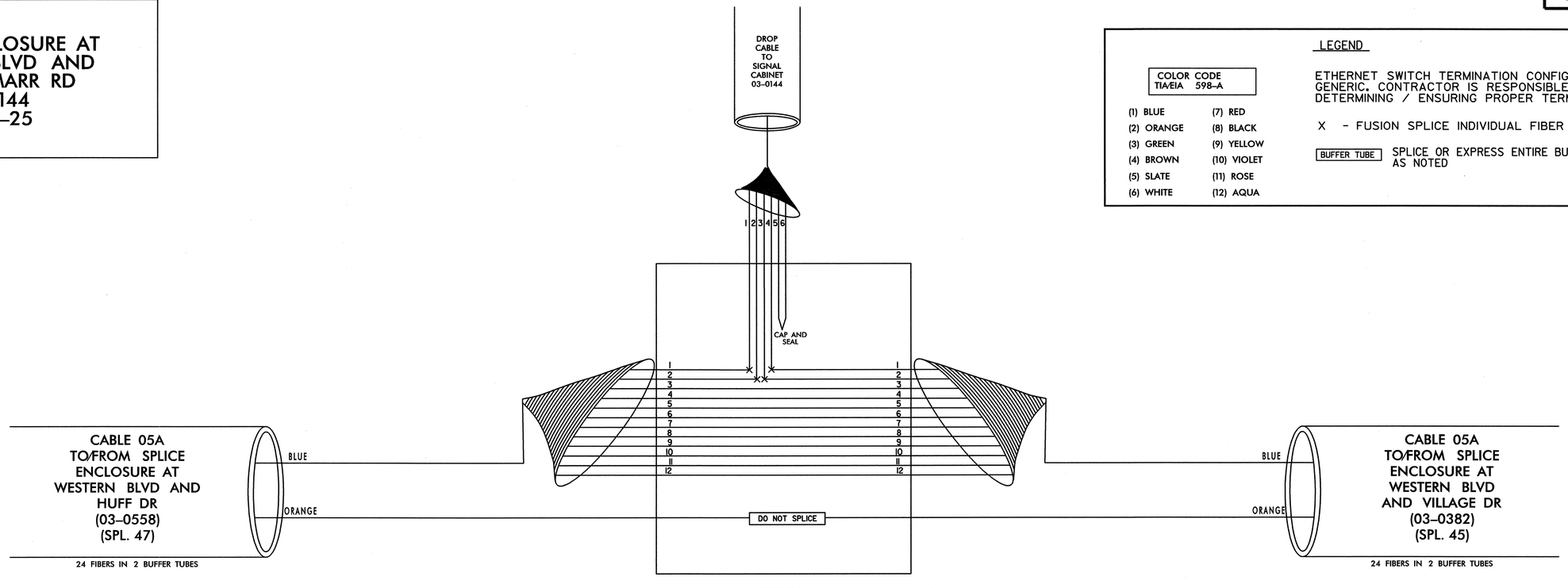
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

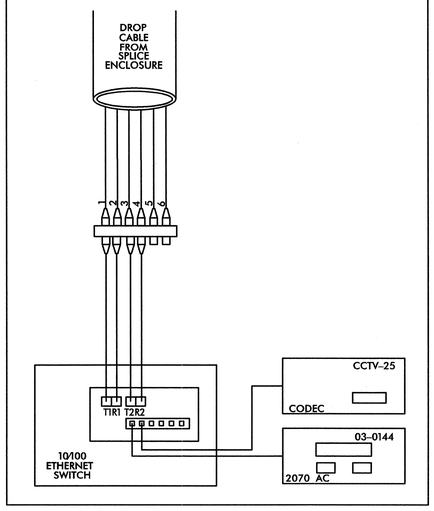
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0144



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_046.dgn

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

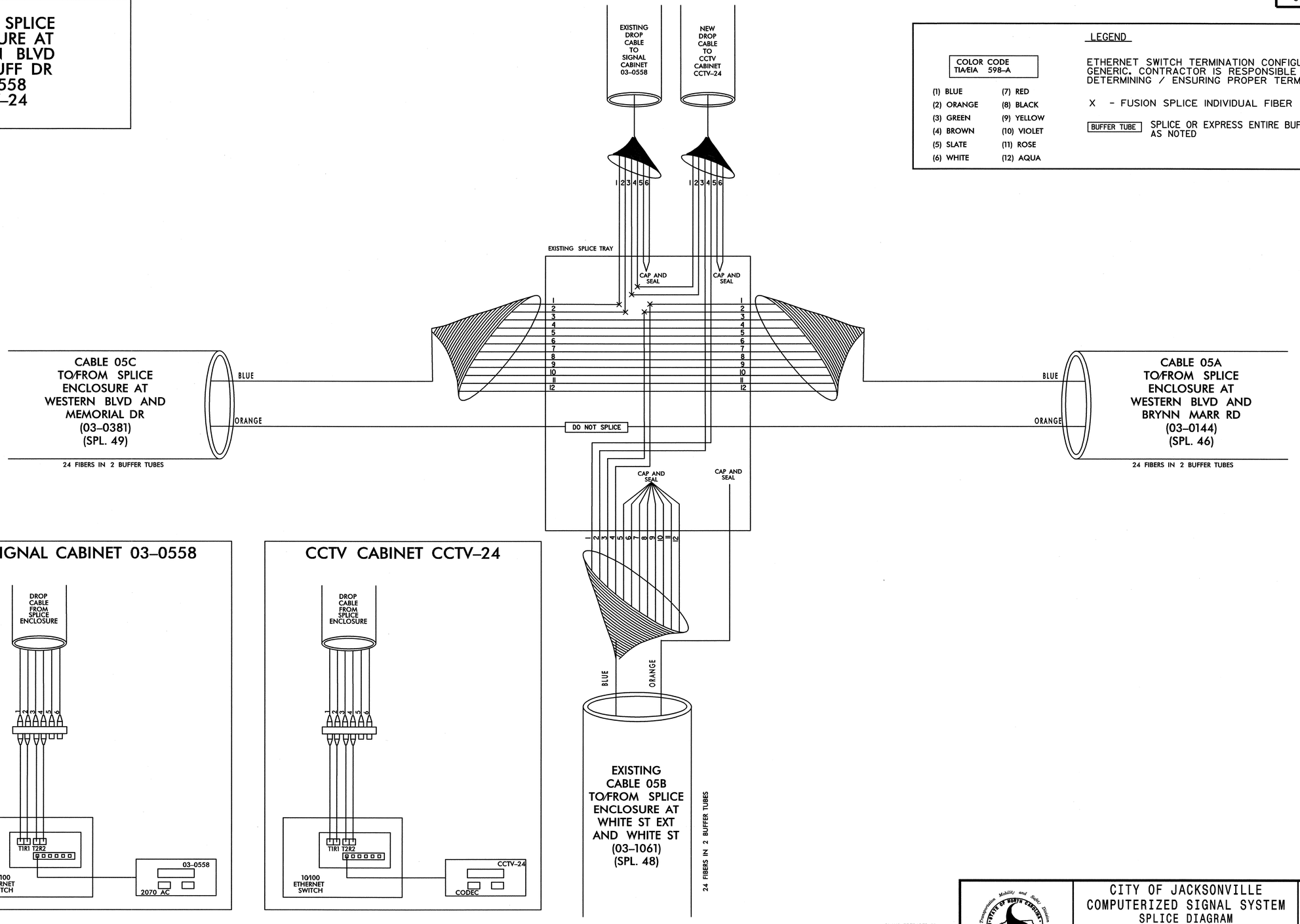
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGSTEAB

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 47

EXISTING SPLICE ENCLOSURE AT WESTERN BLVD AND HUFF DR 03–0558 CCTV–24



LEGEND

COLOR CODE TIA/EIA 598–A

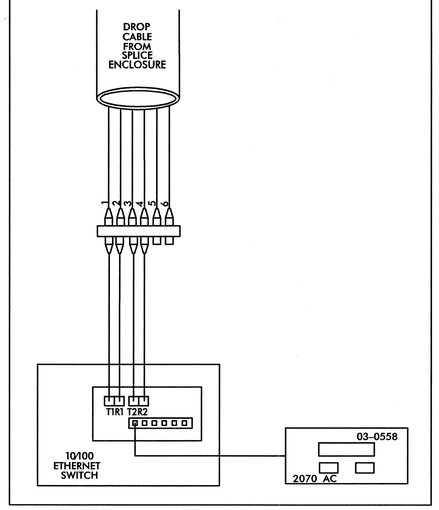
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X – FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE – SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0558



CCTV CABINET CCTV–24

TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_04f.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 48

SPLICE ENCLOSURE AT WHITE ST EXT AND WHITE ST 03–1061

LEGEND

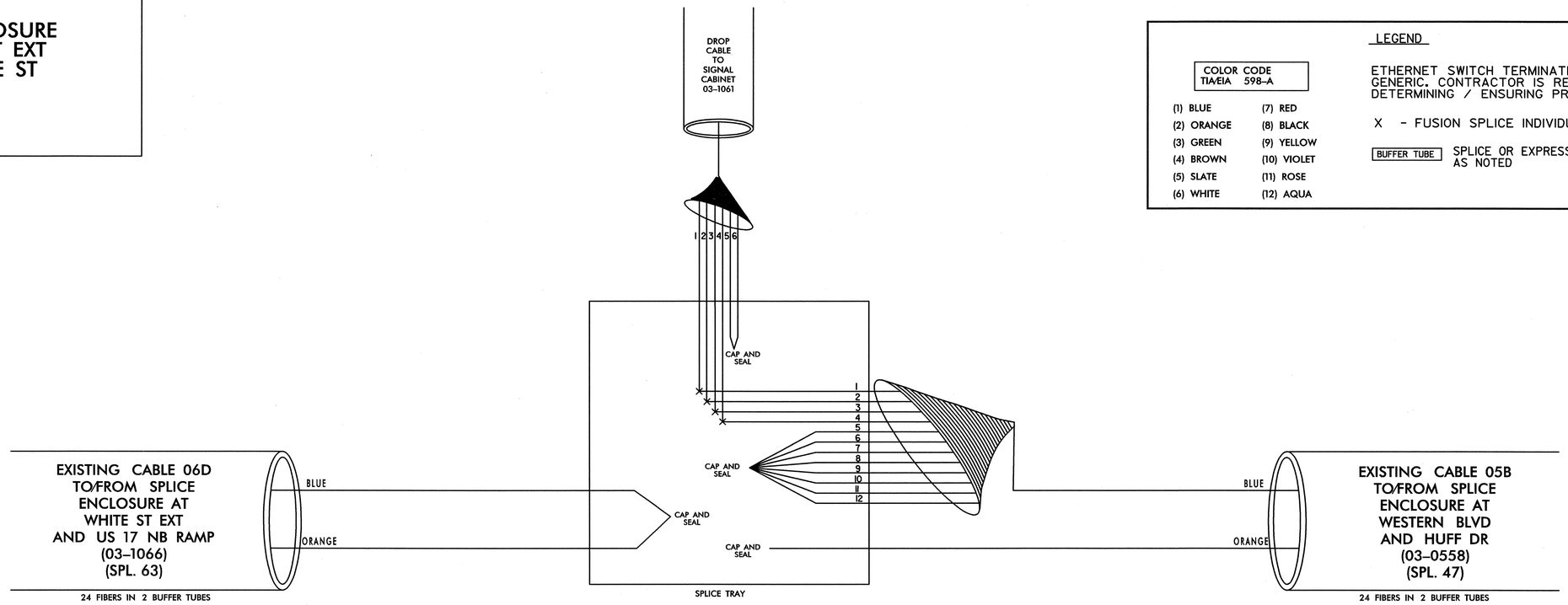
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

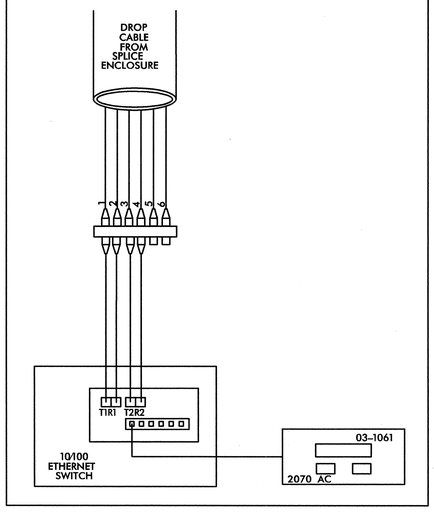
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



EXISTING SIGNAL CABINET 03–1061



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

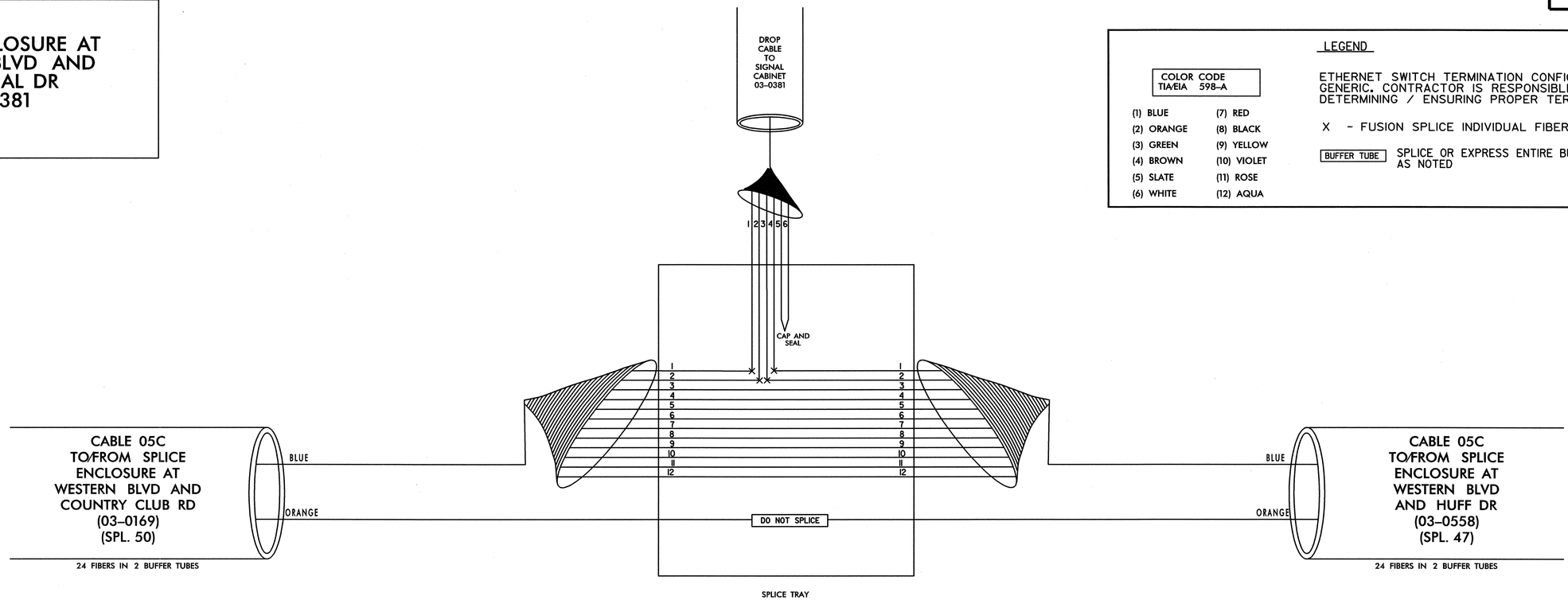
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGESHOCH

SIGNATURE — DATE 7.29.2011

7/20/2011
...\SPLICING\jax_spl_048.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 49

SPLICE ENCLOSURE AT WESTERN BLVD AND MEMORIAL DR 03-0381



LEGEND

COLOR CODE TIA/EIA 598-A

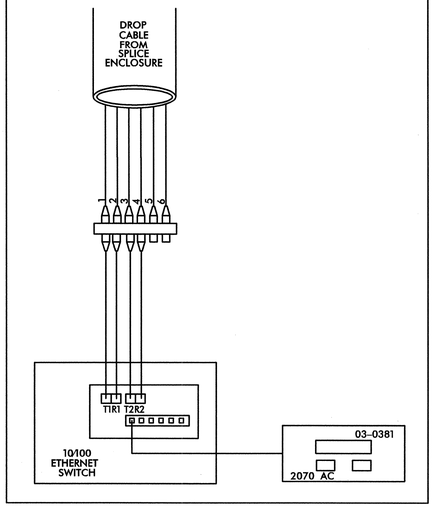
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0381



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
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Raleigh, N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MONGKOLCHOTI

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_049.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 50

SPLICE ENCLOSURE AT WESTERN BLVD AND COUNTRY CLUB RD 03–0169 CCTV–23

LEGEND

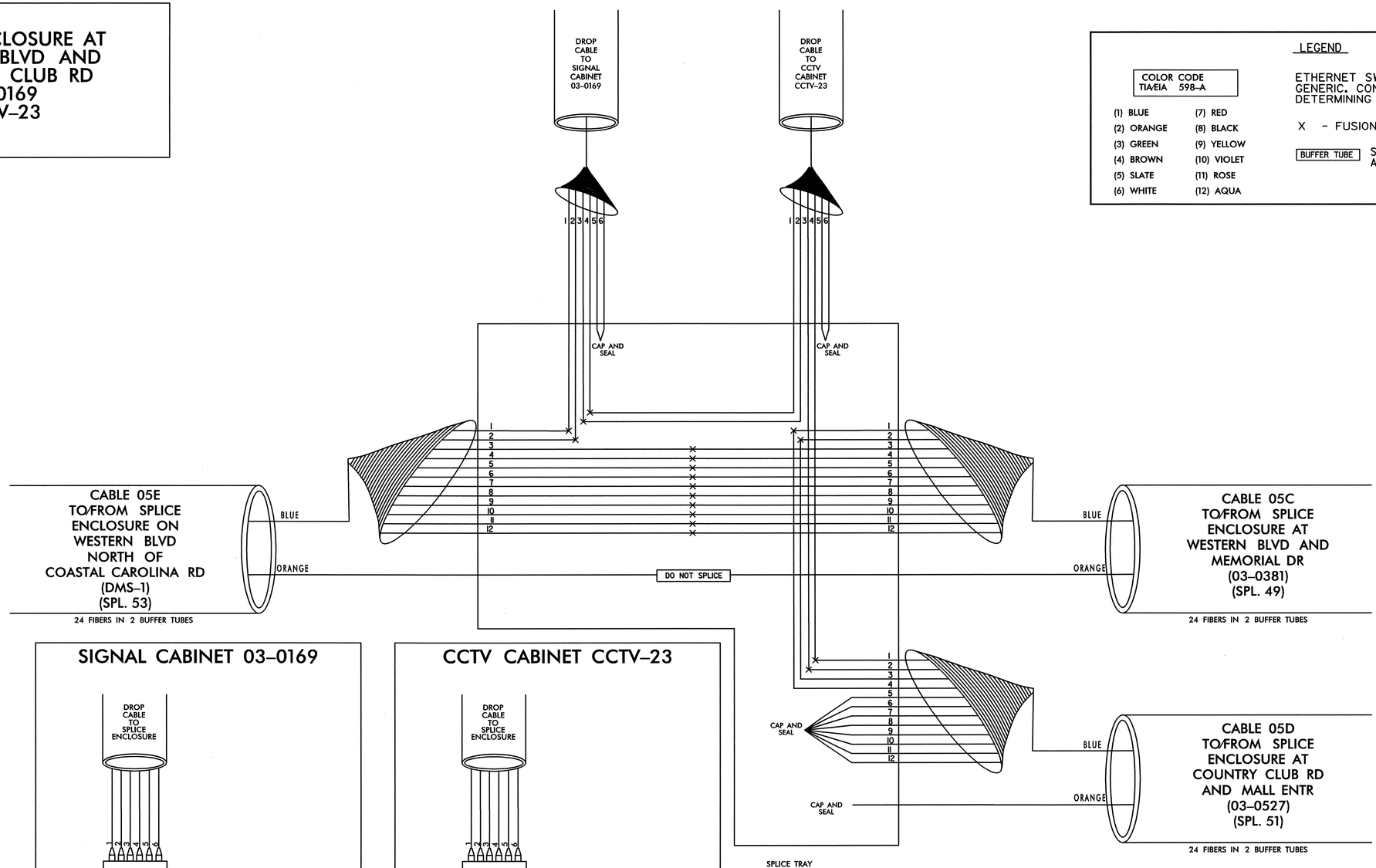
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

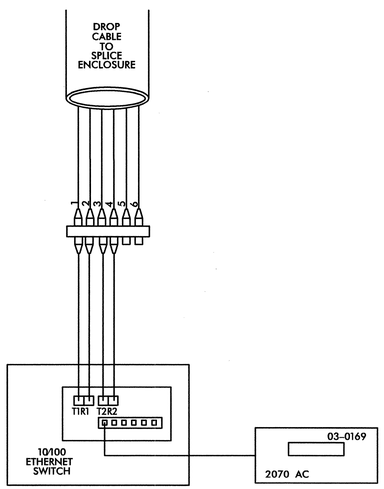
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

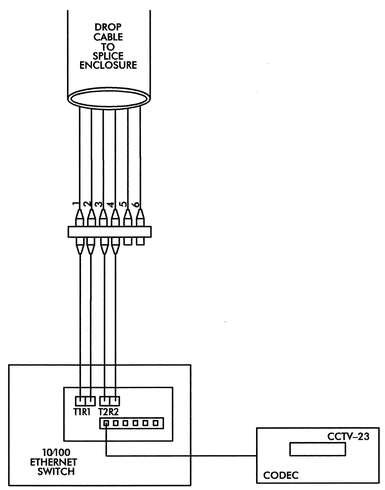
BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0169



CCTV CABINET CCTV–23



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Traffic Engineering and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MCNEELY/KOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
\SPLICING\Jax_spl_050.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 51

SPLICE ENCLOSURE AT COUNTRY CLUB RD AND MALL ENTR 03-0527

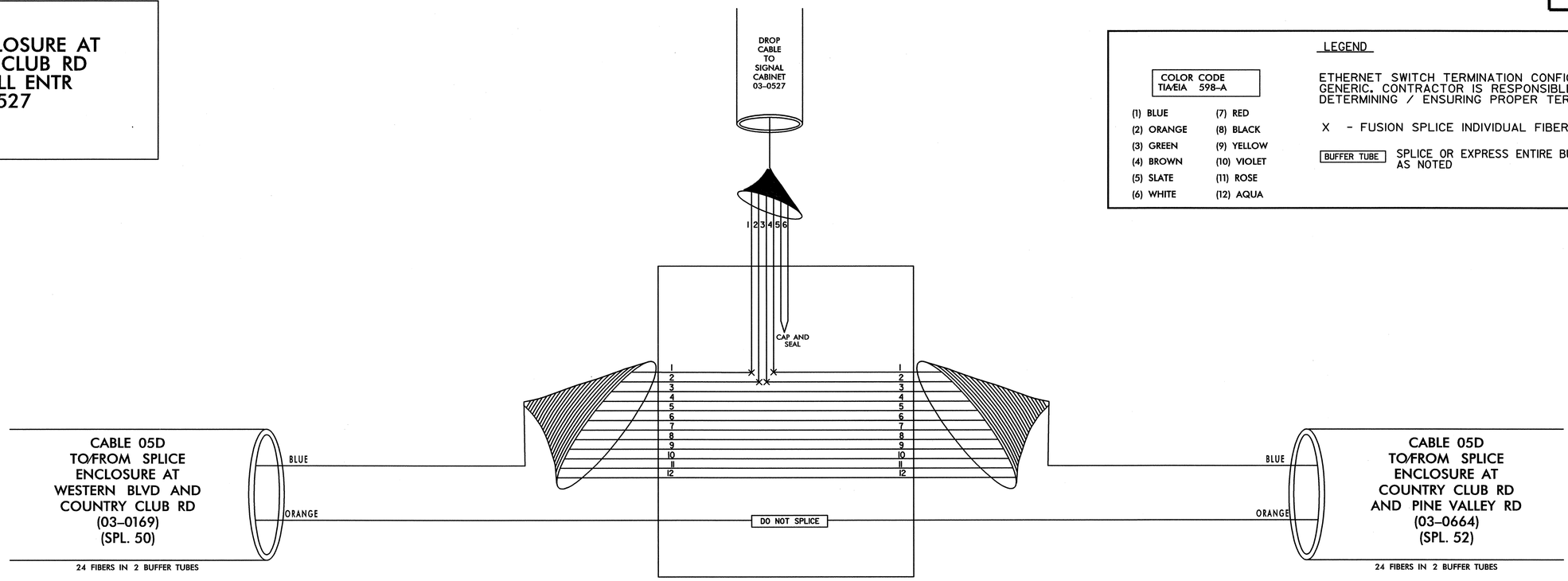
LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

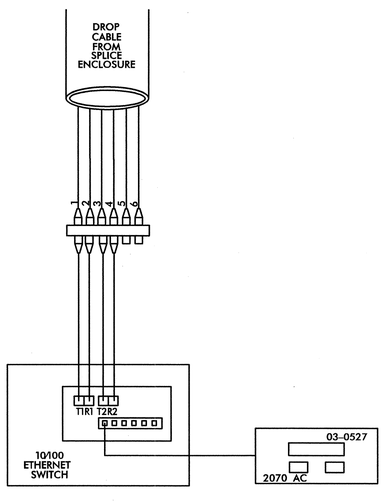
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0527



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENDELSON

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\Jax_spl_05.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 52

SPLICE ENCLOSURE AT COUNTRY CLUB RD AND PINE VALLEY RD 03–0664

LEGEND

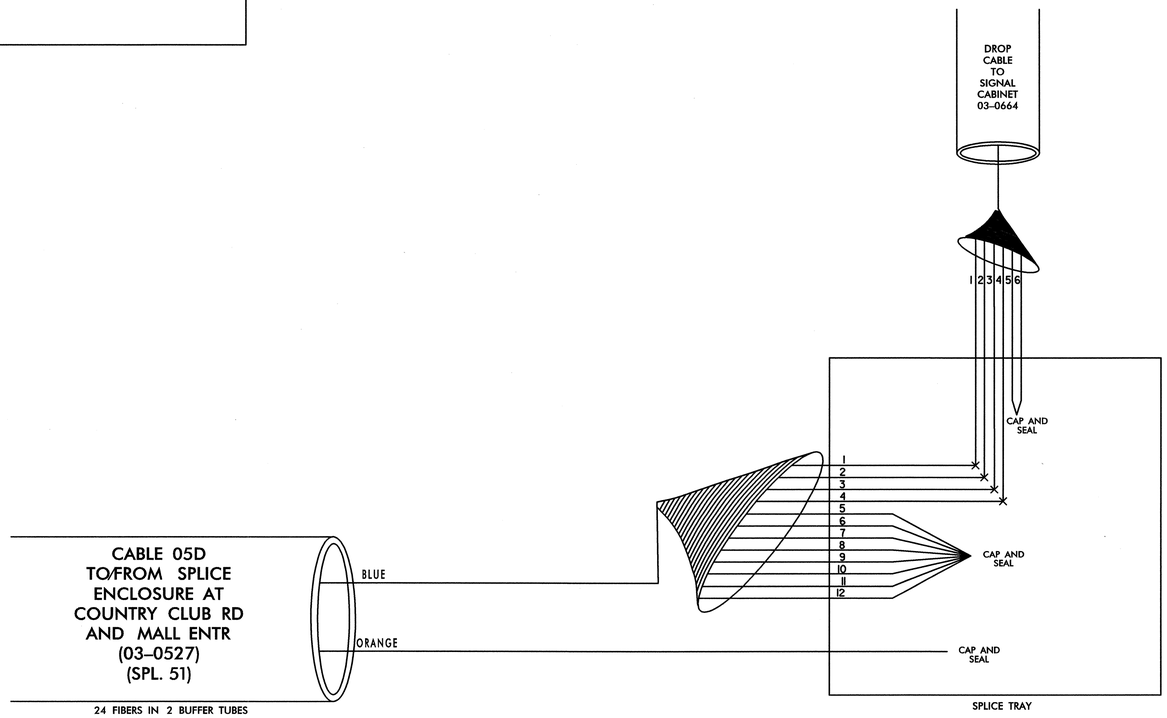
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

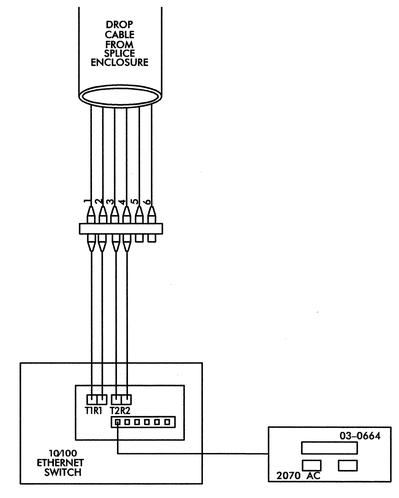
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0664



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MCNEELY

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\Jax_spl_052.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 53

SPLICE ENCLOSURE ON WESTERN BLVD NORTH OF COASTAL CAROLINA RD DMS-1

LEGEND

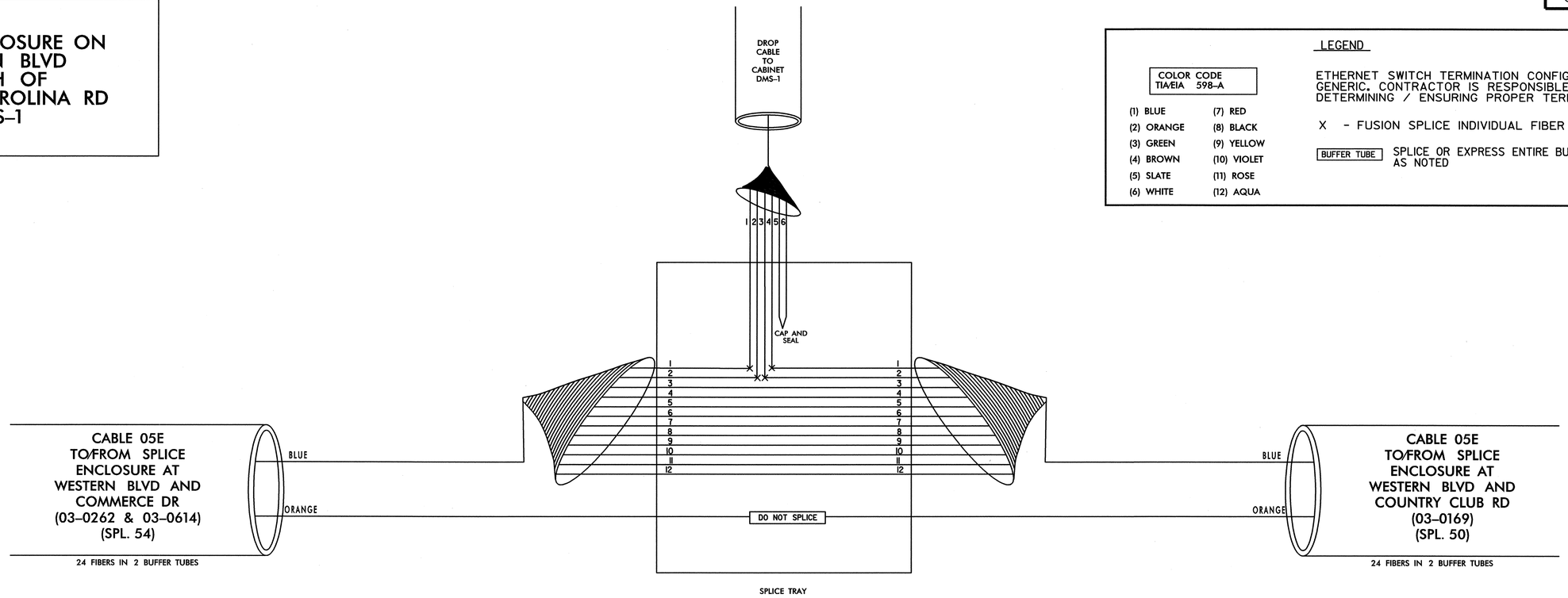
COLOR CODE TIA/EIA 598-A

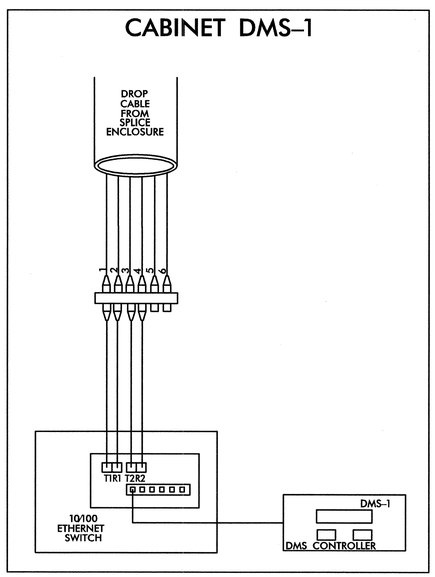
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED





TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

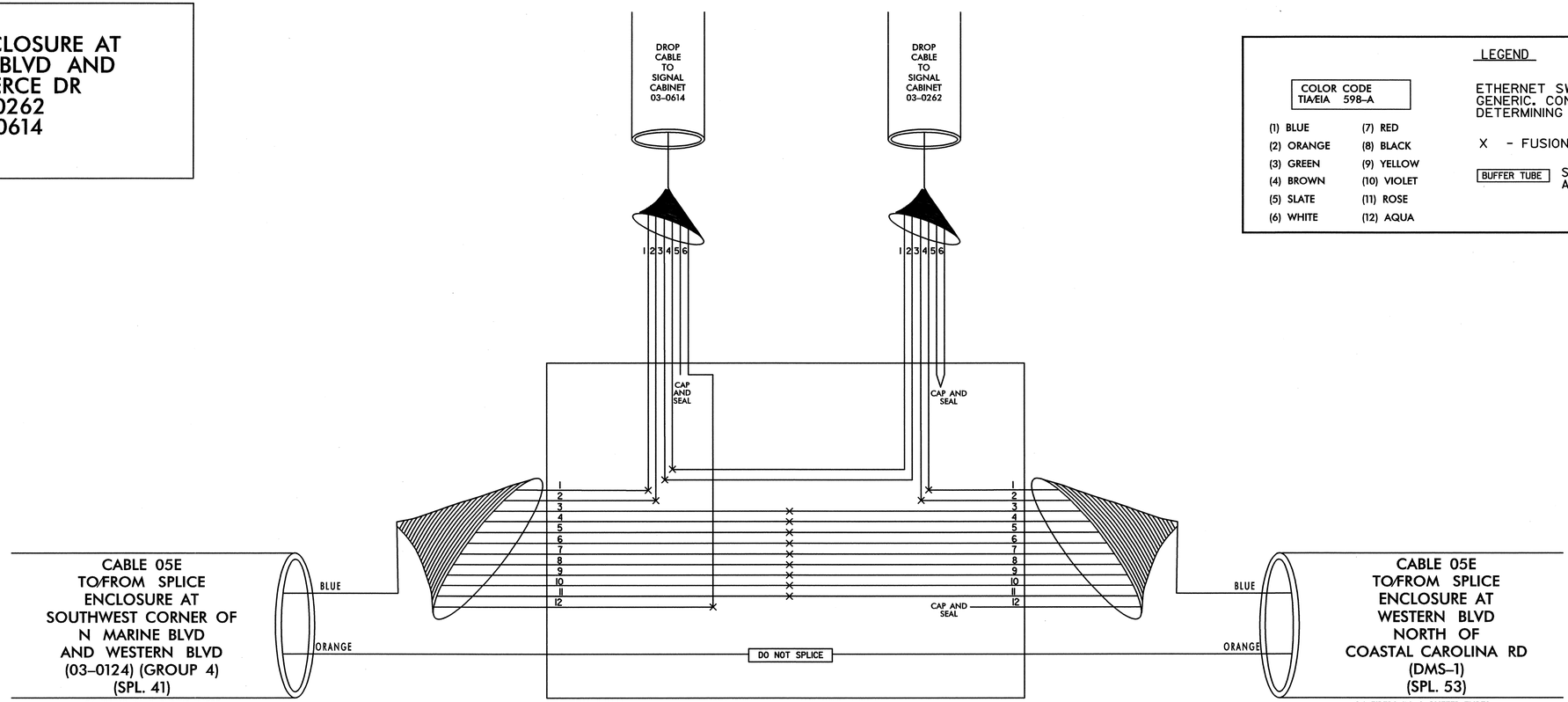
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_053.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 54

SPLICE ENCLOSURE AT WESTERN BLVD AND COMMERCE DR
03-0262
03-0614



LEGEND

COLOR CODE TIA/EIA 598-A

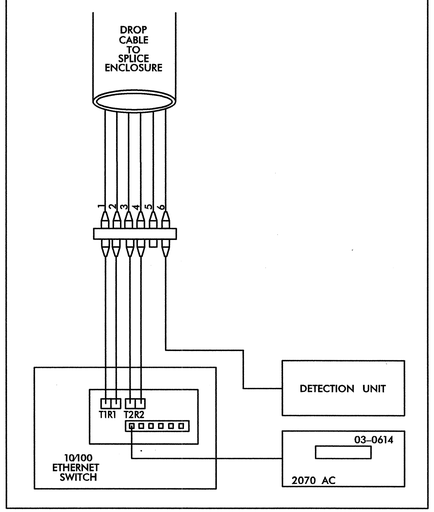
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

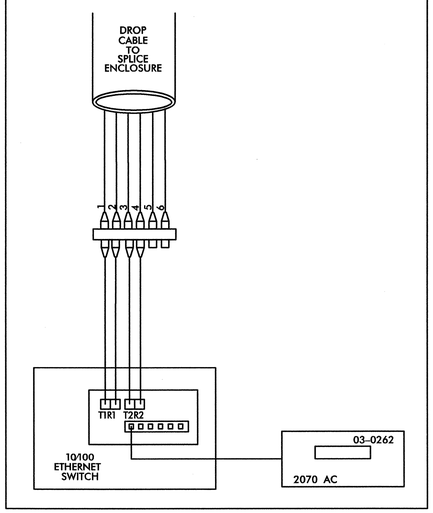
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0614



SIGNAL CABINET 03-0262



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 5 ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ. MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
_SPLICING\jax_spl_054.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 55

SPLICE ENCLOSURE AT LEJEUNE BLVD AND TARAWA BLVD 03–0120 CCTV–29

LEGEND

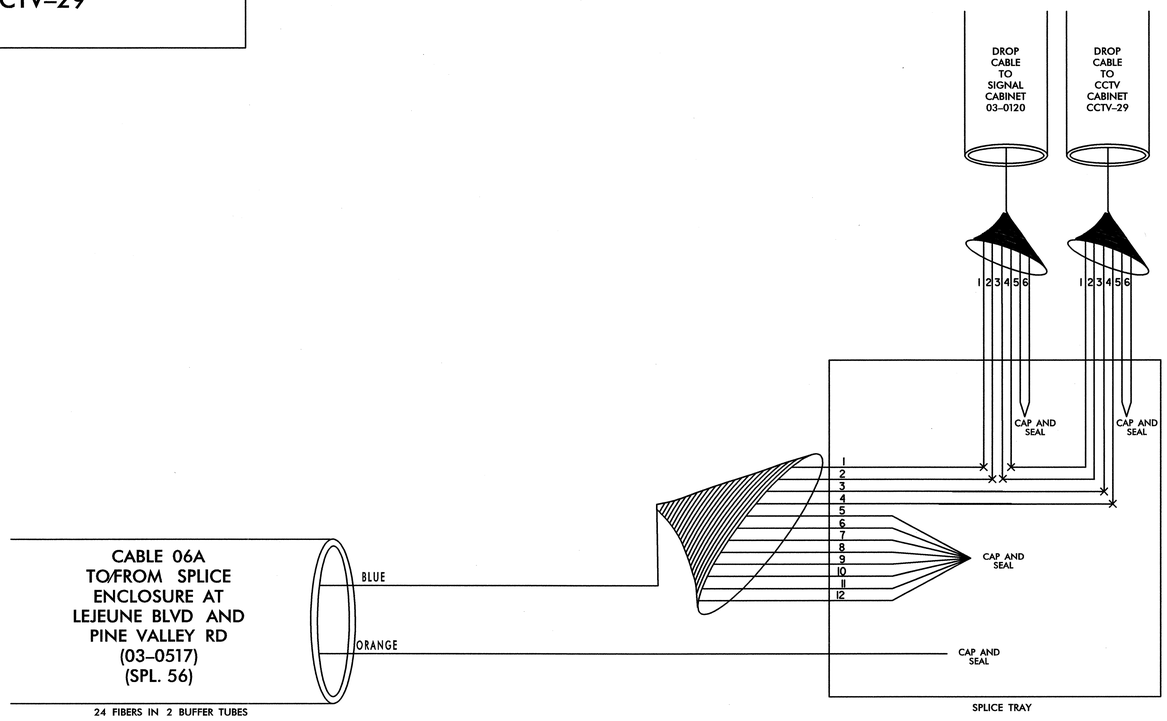
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

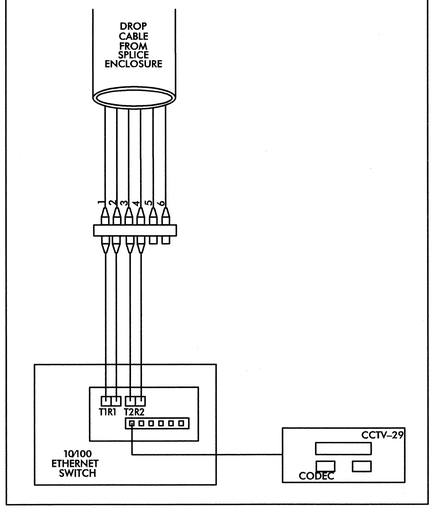
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

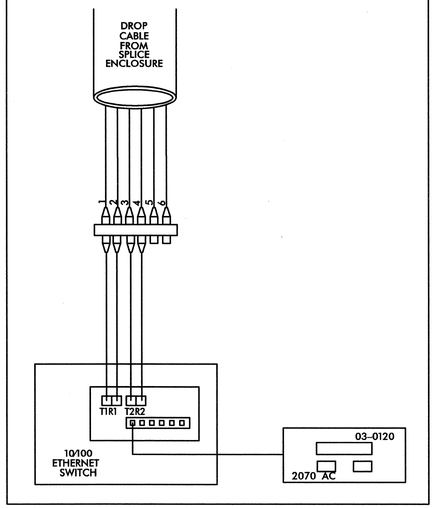
BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



CCTV CABINET CCTV–29



SIGNAL CABINET 03–0120



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELOTH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 56

SPLICE ENCLOSURE AT LEJEUNE BLVD AND PINE VALLEY RD 03–0517 CCTV–28

LEGEND

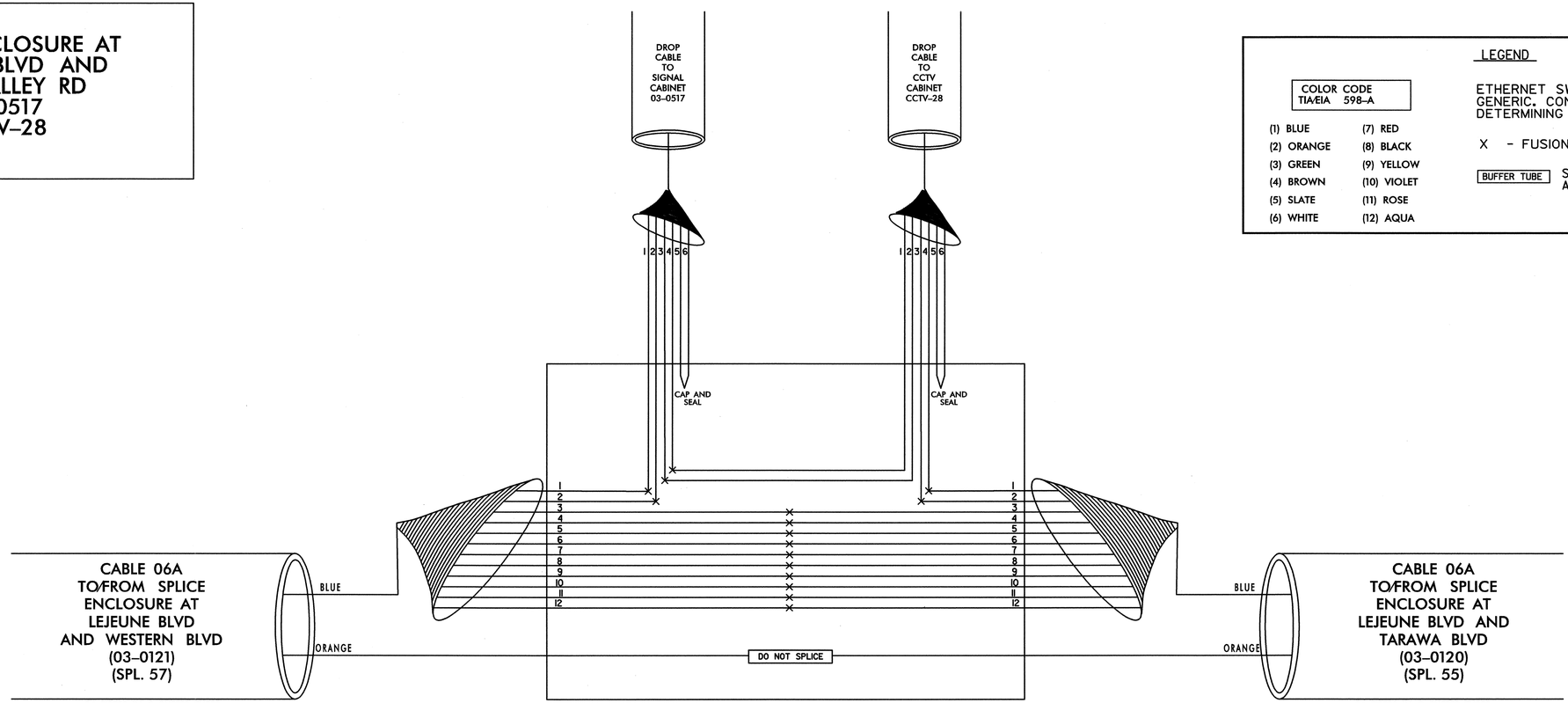
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

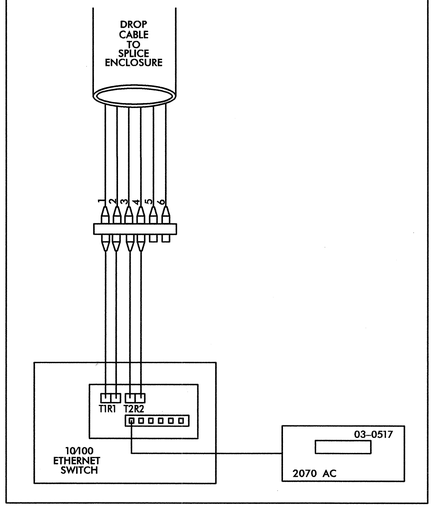
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

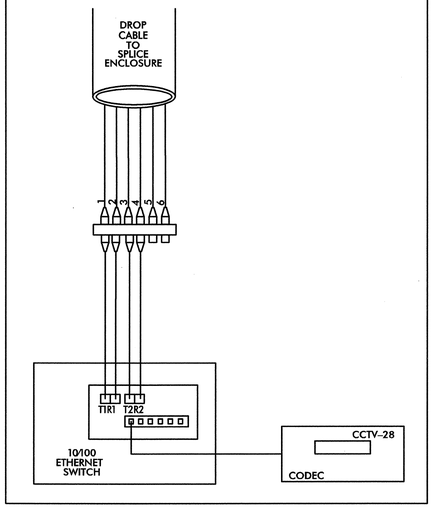
BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0517



CCTV CABINET CCTV–28



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_056.dgn

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — Traffic Engineering Branch — Signals Section
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

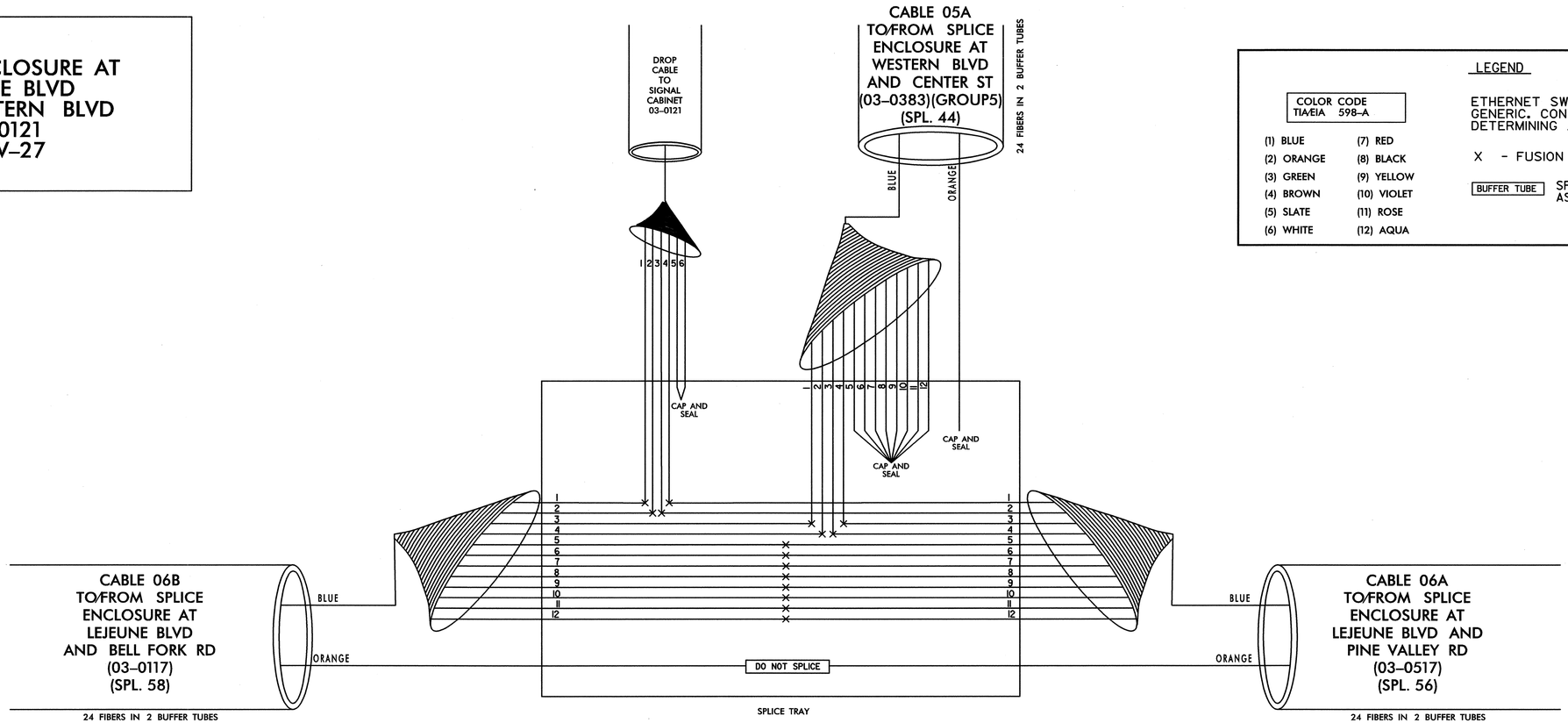
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MCNEELTOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 57

SPLICE ENCLOSURE AT LEJEUNE BLVD AND WESTERN BLVD 03-0121 CCTV-27



LEGEND

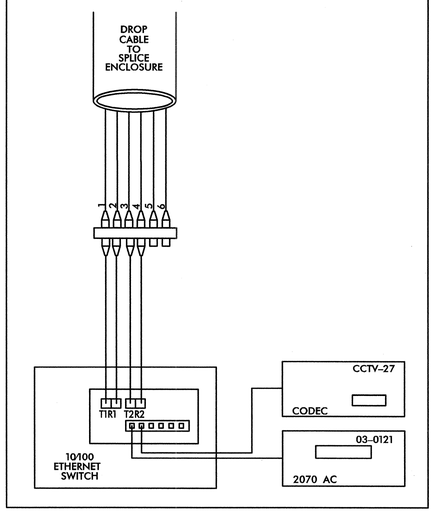
COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0121



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

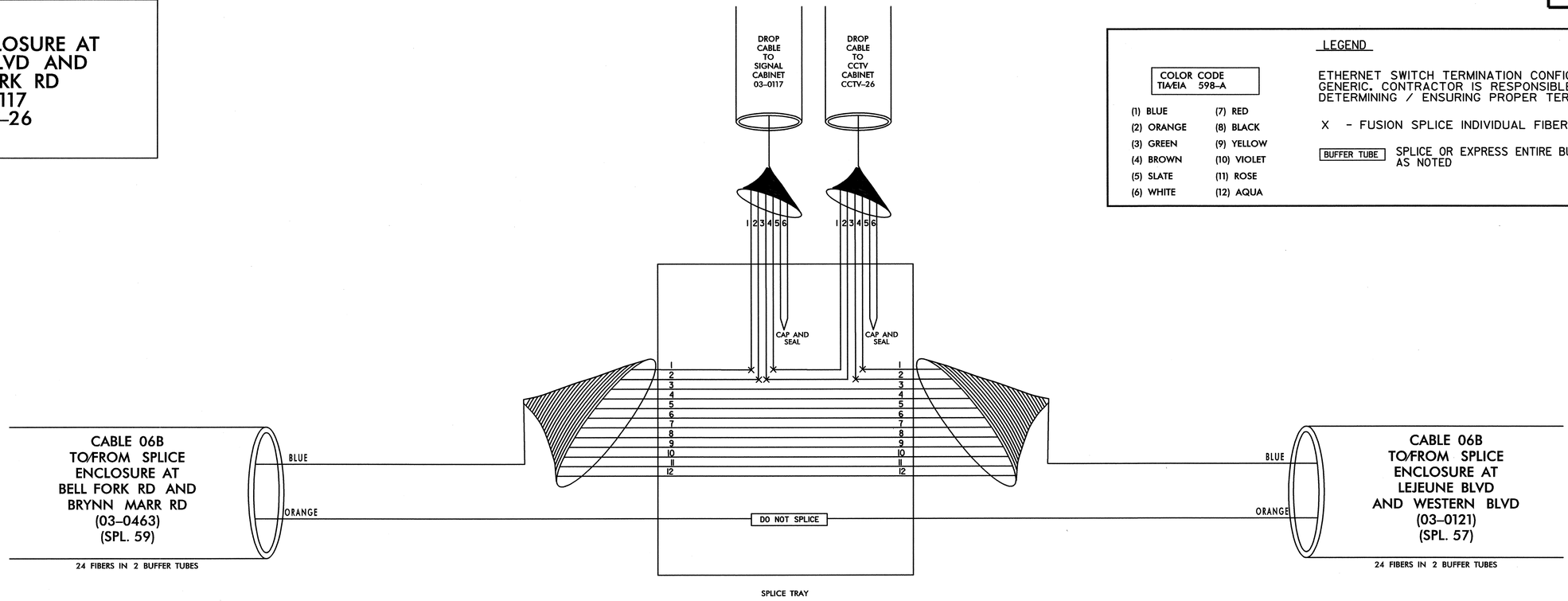
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ WENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\Jax_spl_057.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 58

SPLICE ENCLOSURE AT LEJEUNE BLVD AND BELL FORK RD 03-0117 CCTV-26



LEGEND

COLOR CODE TIA/EIA 598-A

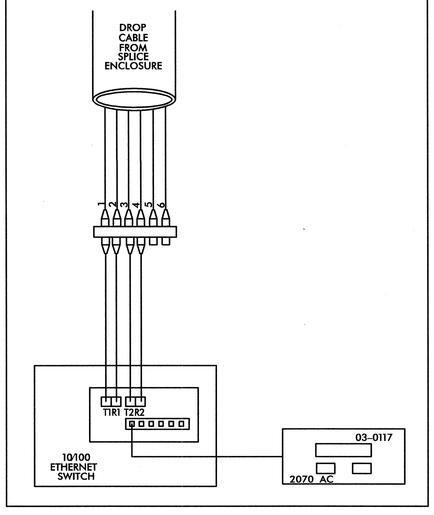
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

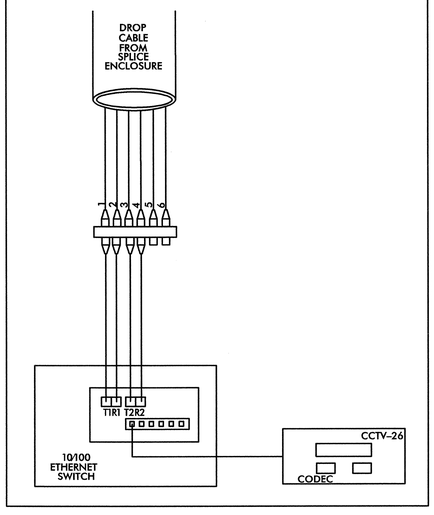
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0117



CCTV CABINET CCTV-26



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
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Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

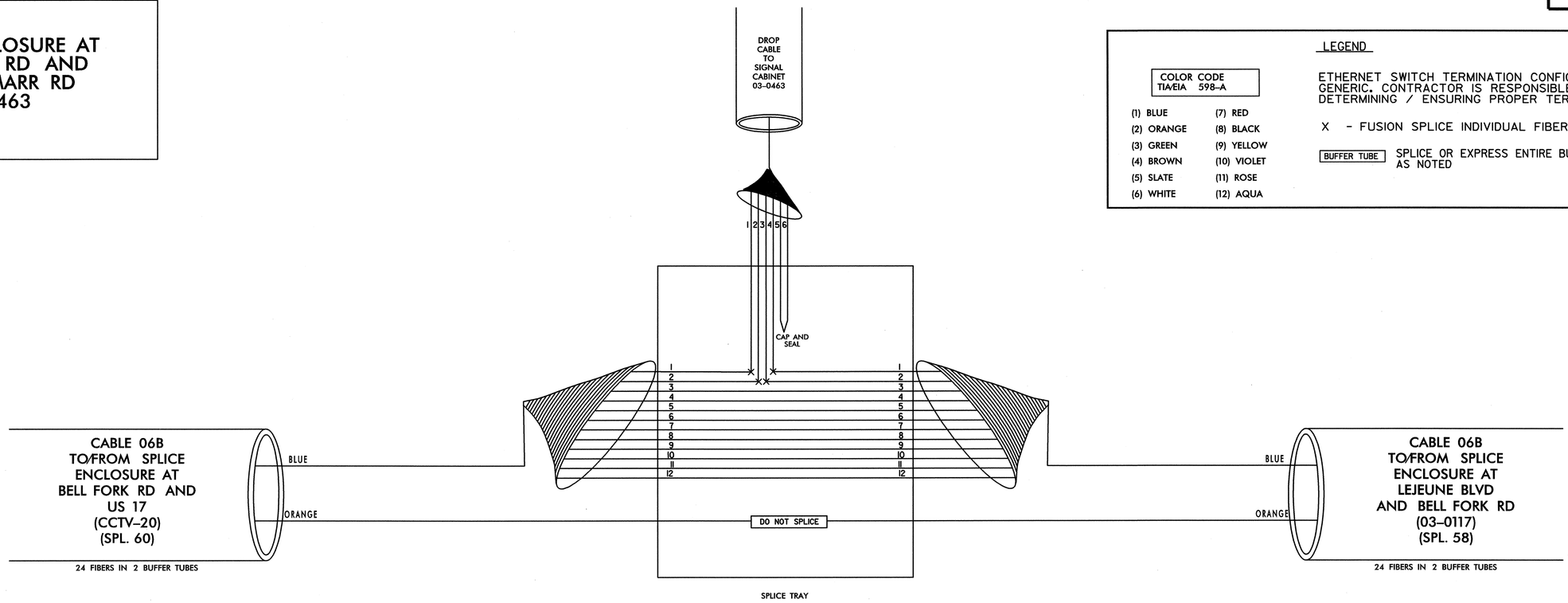
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNICHOLAS

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\tx_spl_058.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 59

SPLICE ENCLOSURE AT BELL FORK RD AND BRYNN MARR RD 03-0463



LEGEND

COLOR CODE TIA/EIA 598-A

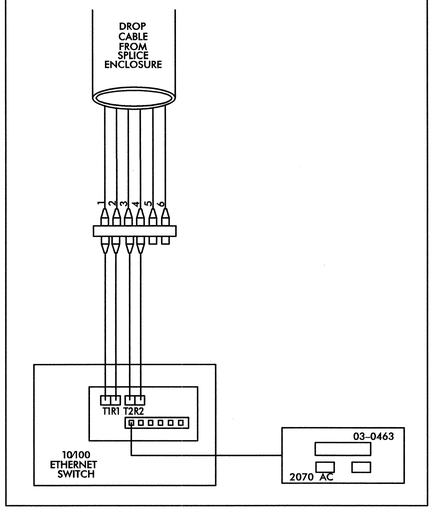
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE - SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0463



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

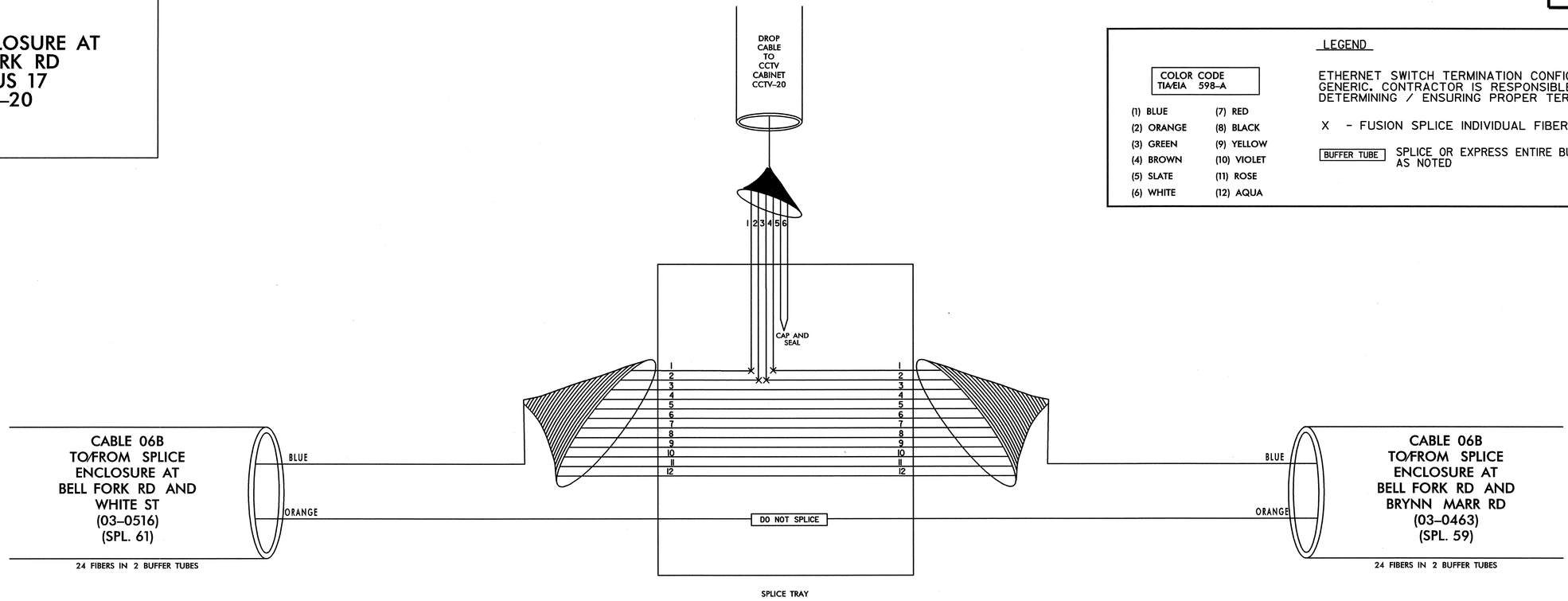
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNAUGHTON

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\tax_spl_059.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 60

SPLICE ENCLOSURE AT BELL FORK RD AND US 17 CCTV-20



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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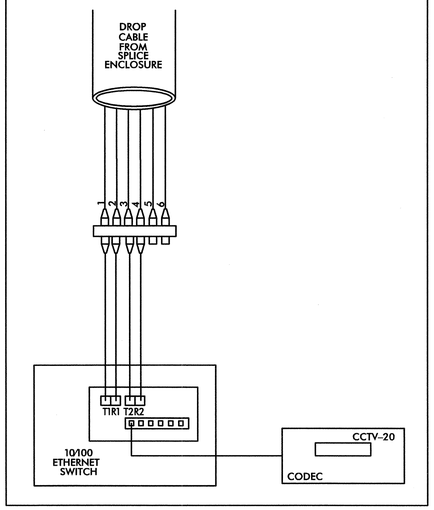
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

CCTV CABINET CCTV-20



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\tx_spl_060.dgn

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

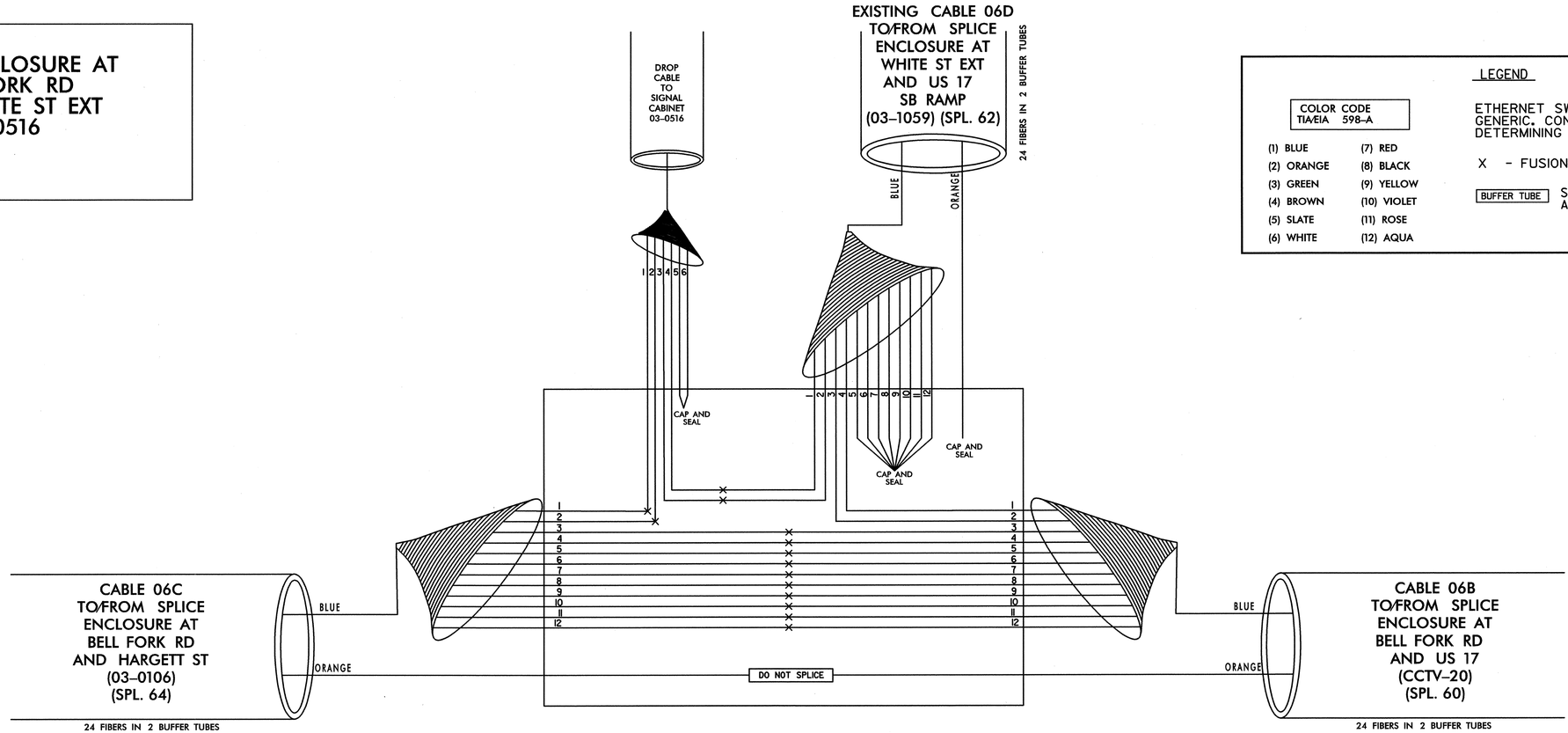
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGESTEAB

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 61

SPLICE ENCLOSURE AT BELL FORK RD AND WHITE ST EXT 03-0516



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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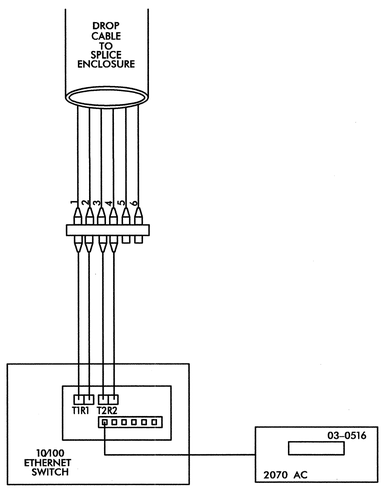
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0516



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 62

EXISTING SPLICE ENCLOSURE AT WHITE ST EXT AND US 17 SB RAMP 03-1059

LEGEND

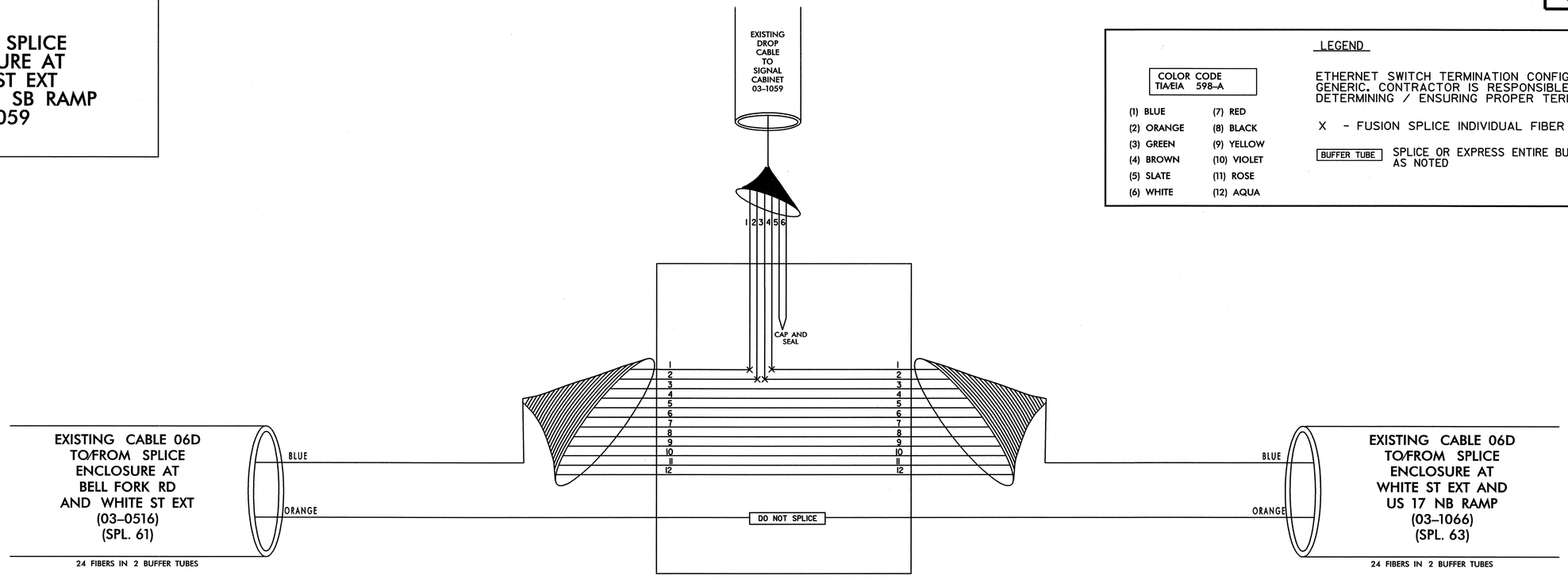
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

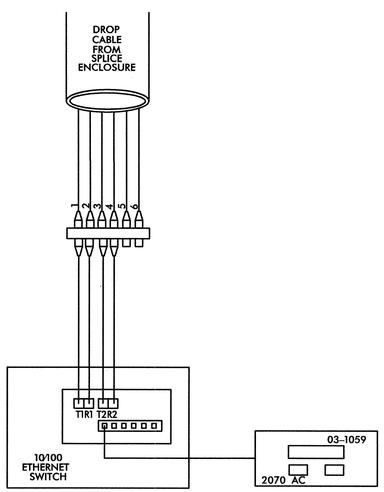
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-1059



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
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Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

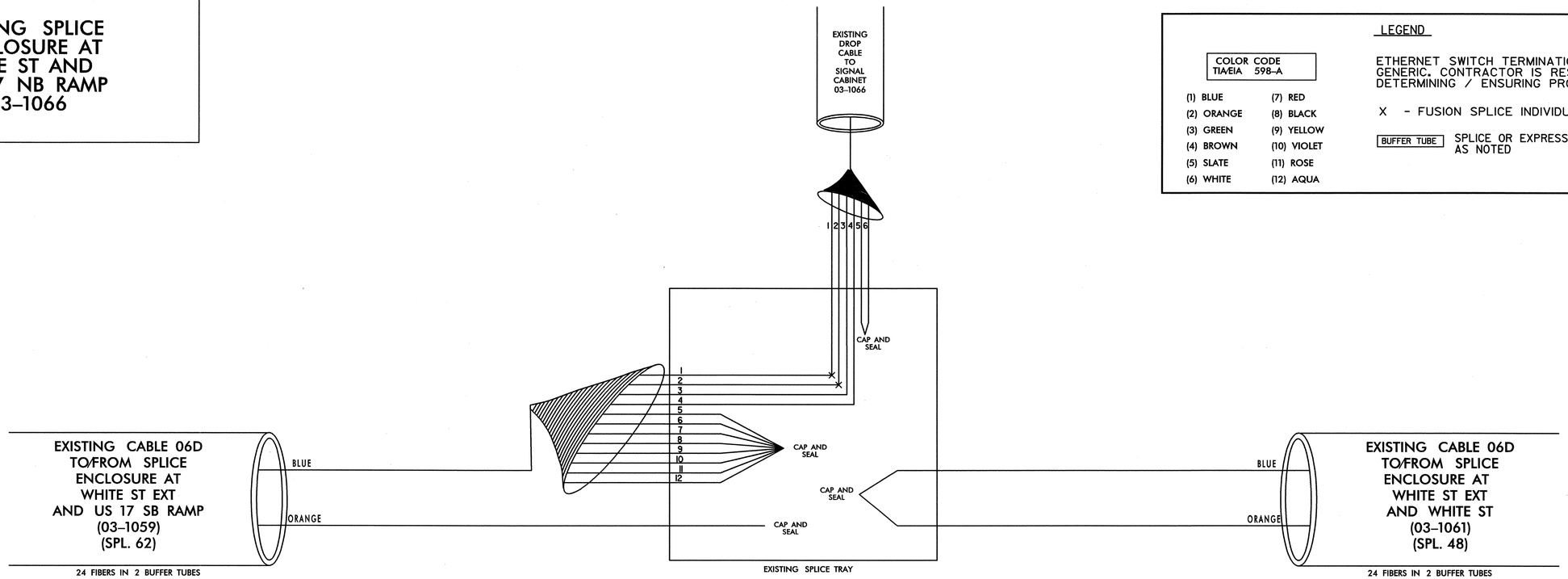
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_062.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 63

EXISTING SPLICE ENCLOSURE AT WHITE ST AND US 17 NB RAMP 03–1066



LEGEND

COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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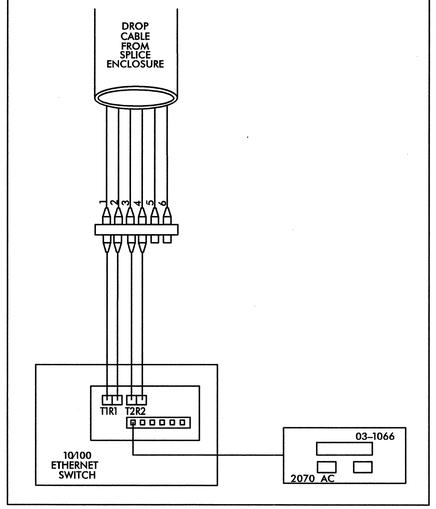
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–1066



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\tox_spl_063.dgn

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MCINGLETON

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 64

SPLICE ENCLOSURE AT BELL FORK RD AND HARGETT ST 03–0106 CCTV–21

LEGEND

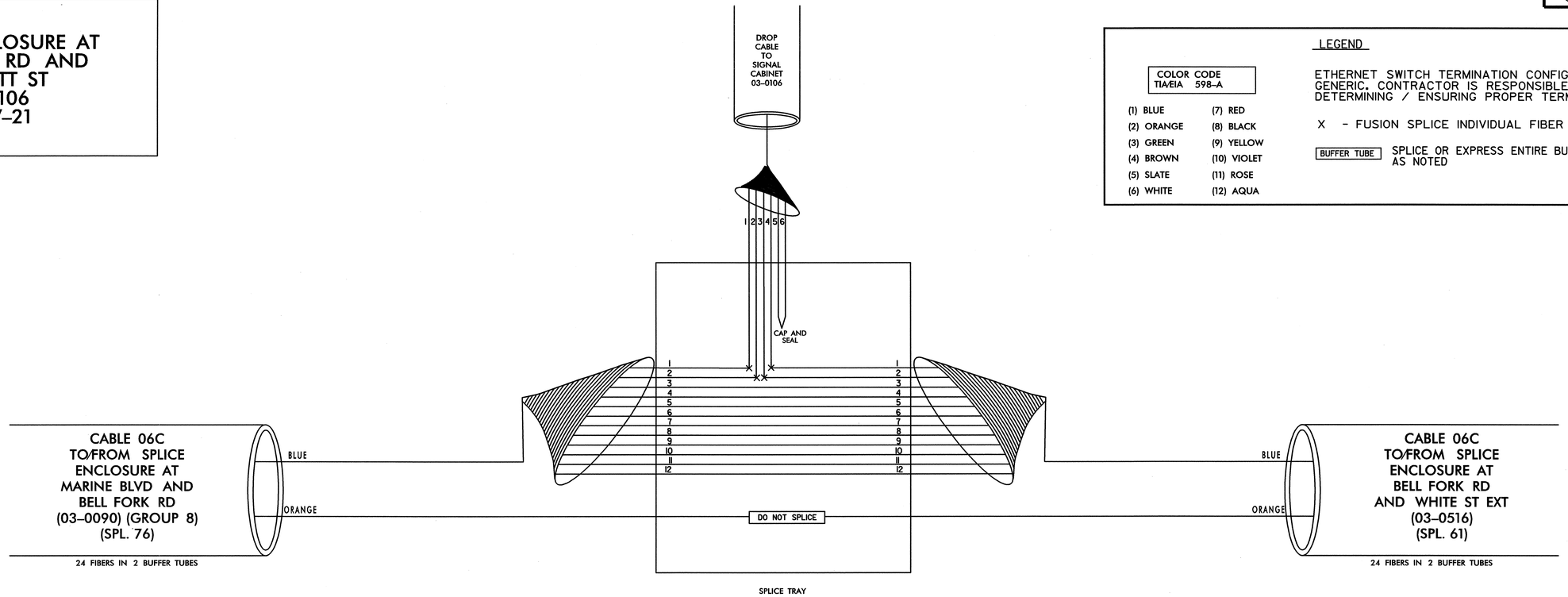
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

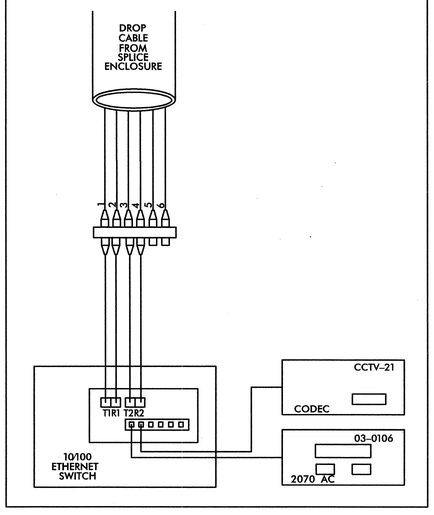
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0106



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PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 6 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGESHOH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\tox_spl_064.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 65

SPLICE ENCLOSURE AT GUM BRANCH RD AND RAMSEY RD 03–0889 CCTV–2 WIRELESS CCTV–1

LEGEND

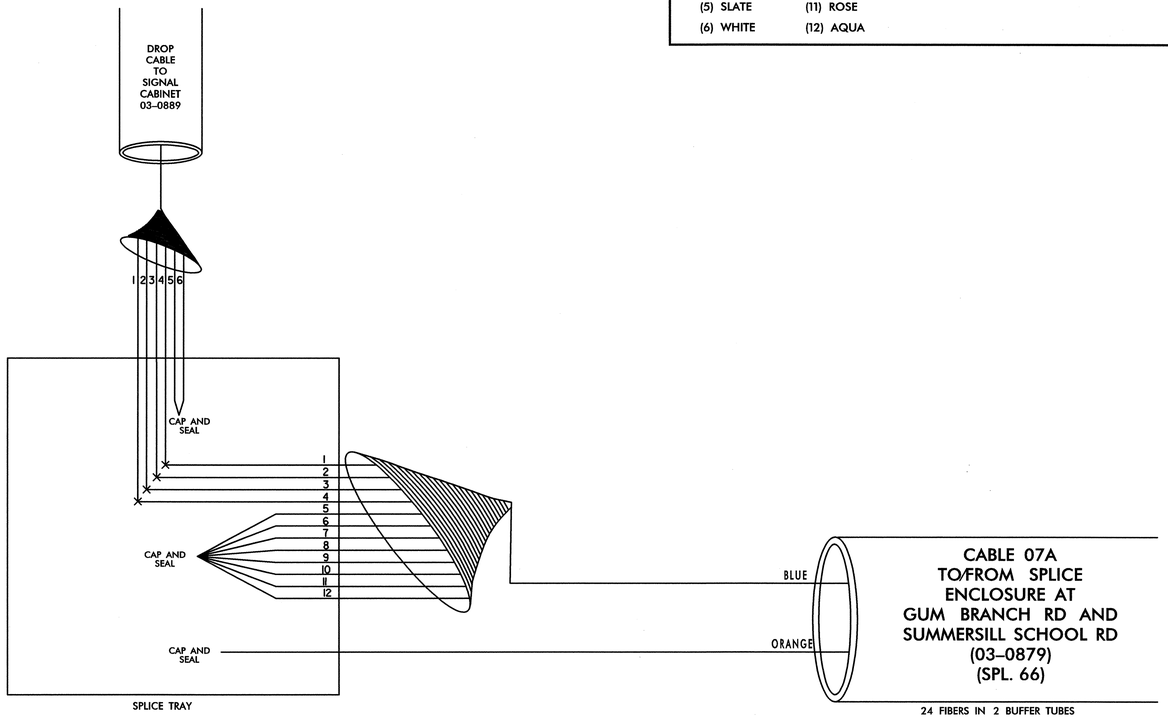
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

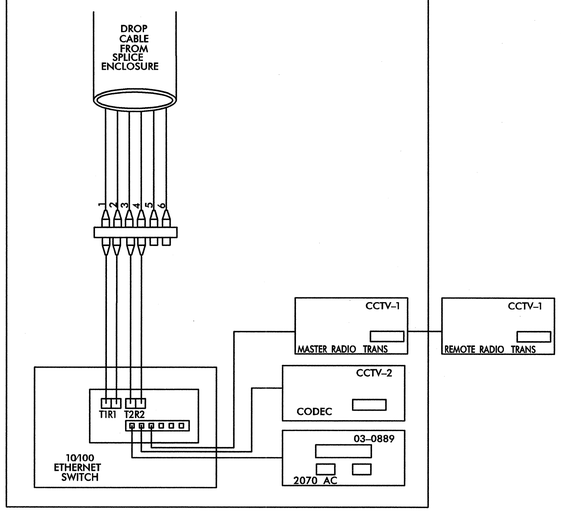
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0889



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PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
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Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intermodal Transportation Systems Section

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 66

SPLICE ENCLOSURE AT GUM BRANCH RD AND SUMMERSILL SCHOOL RD 03-0879

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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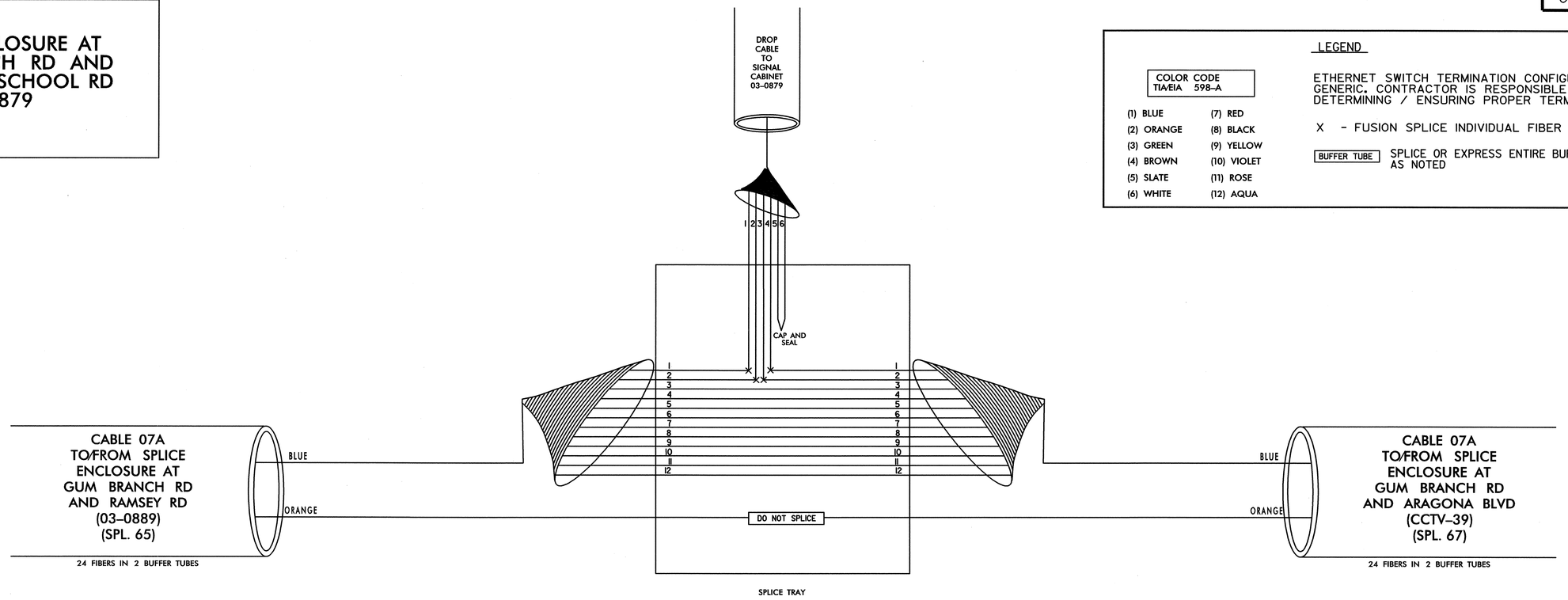
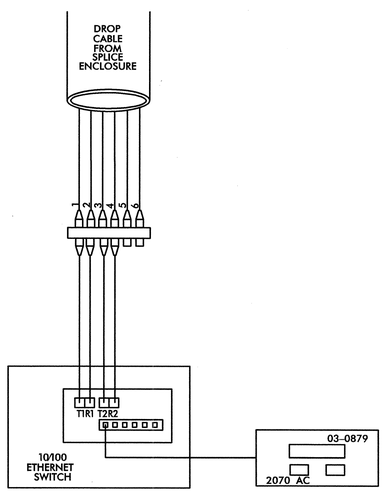
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0879



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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

SCALE: 0 NONE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011 \SPLICING\jax_spl_066.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 67

SPLICE ENCLOSURE AT GUM BRANCH RD AND ARAGONA BLVD CCTV-39

LEGEND

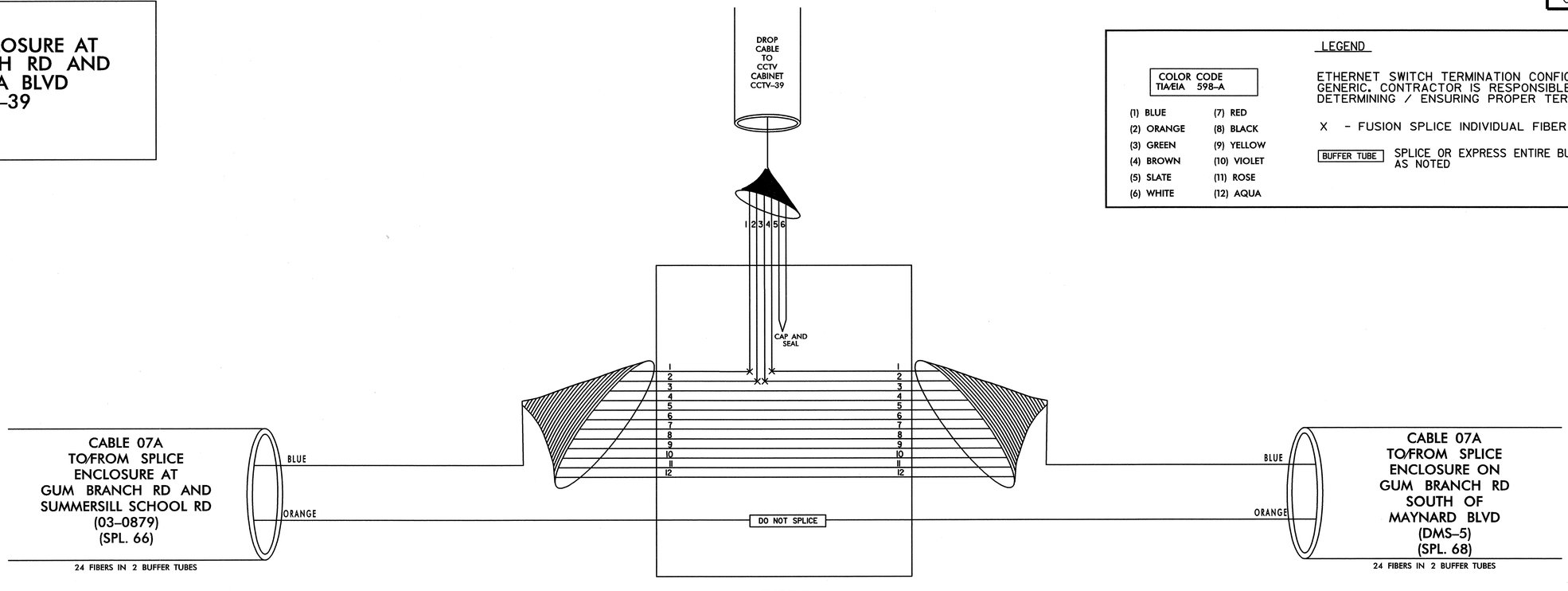
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

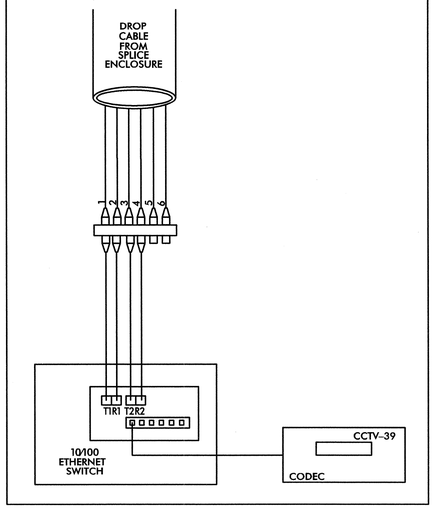
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



CCTV CABINET CCTV-39



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

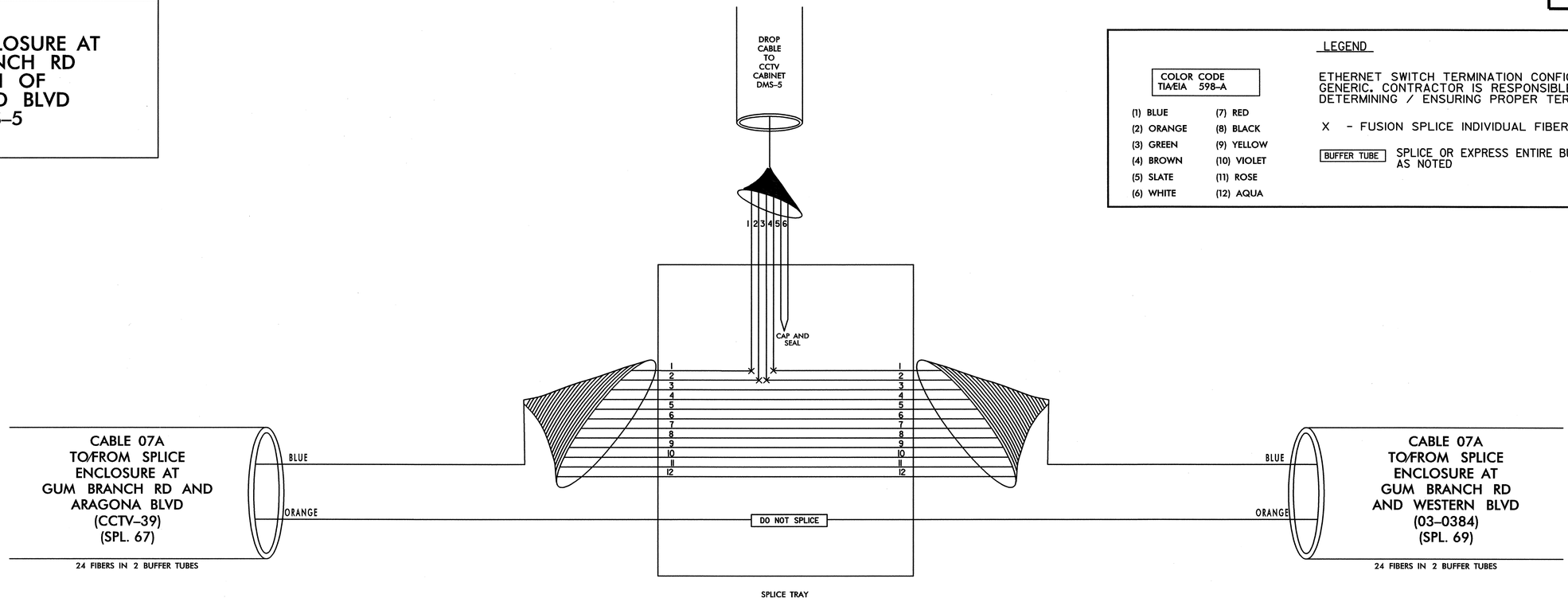
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MATTHEW M. SMUSZ MEINZER

SIGNATURE 7.20.2011 DATE

7/20/2011
\\SPLICING\ox_spl_067.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 68

SPLICE ENCLOSURE AT GUM BRANCH RD SOUTH OF MAYNARD BLVD DMS–5



LEGEND

COLOR CODE TIA/EIA 598–A

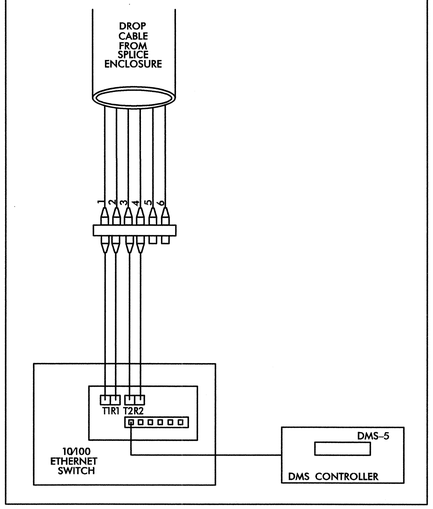
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X – FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE – SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

DMS CABINET DMS–5



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_068.dgn

PLANS PREPARED IN THE OFFICE OF:
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Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

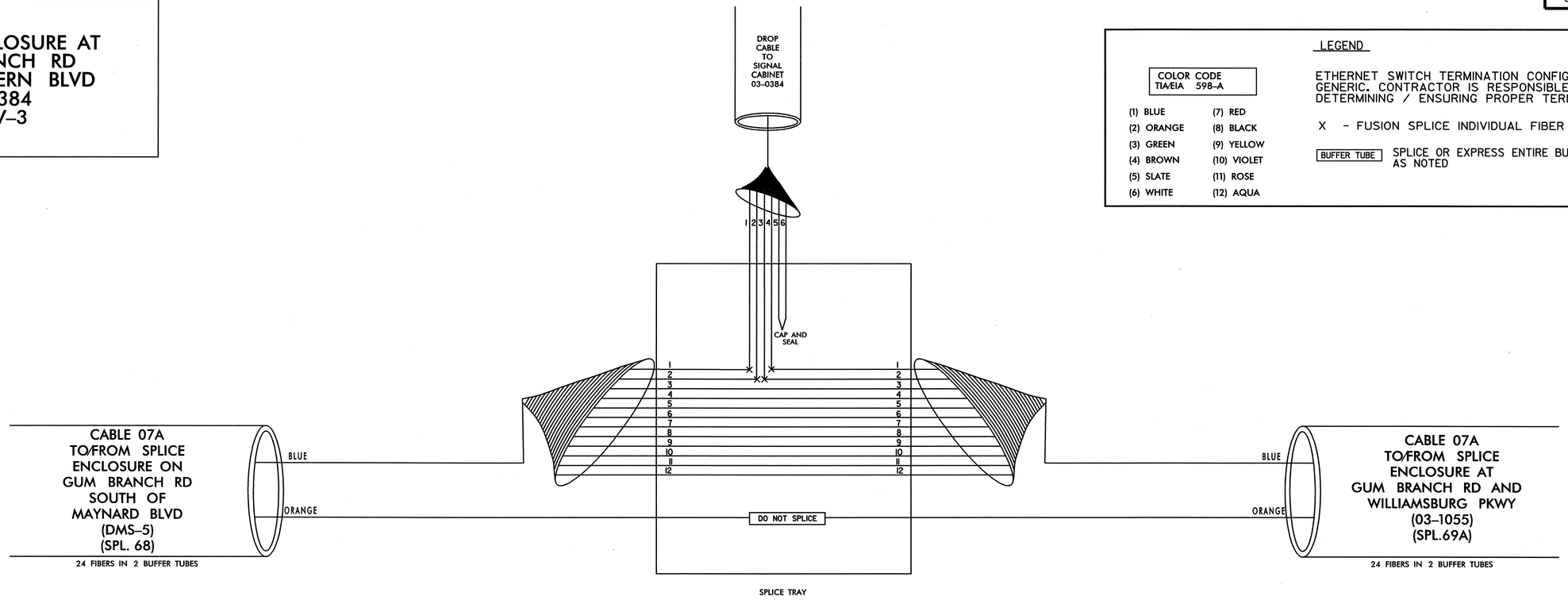
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 69

SPLICE ENCLOSURE AT GUM BRANCH RD AND WESTERN BLVD 03-0384 CCTV-3



LEGEND

COLOR CODE TIA/EIA 598-A

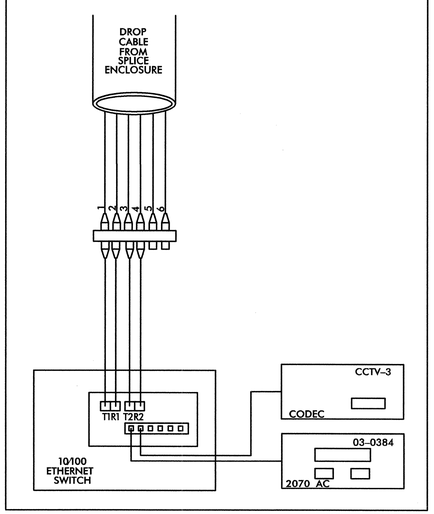
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0384



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NCDOT Transportation Mobility and Safety Division — Intelligent Transportation Systems

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

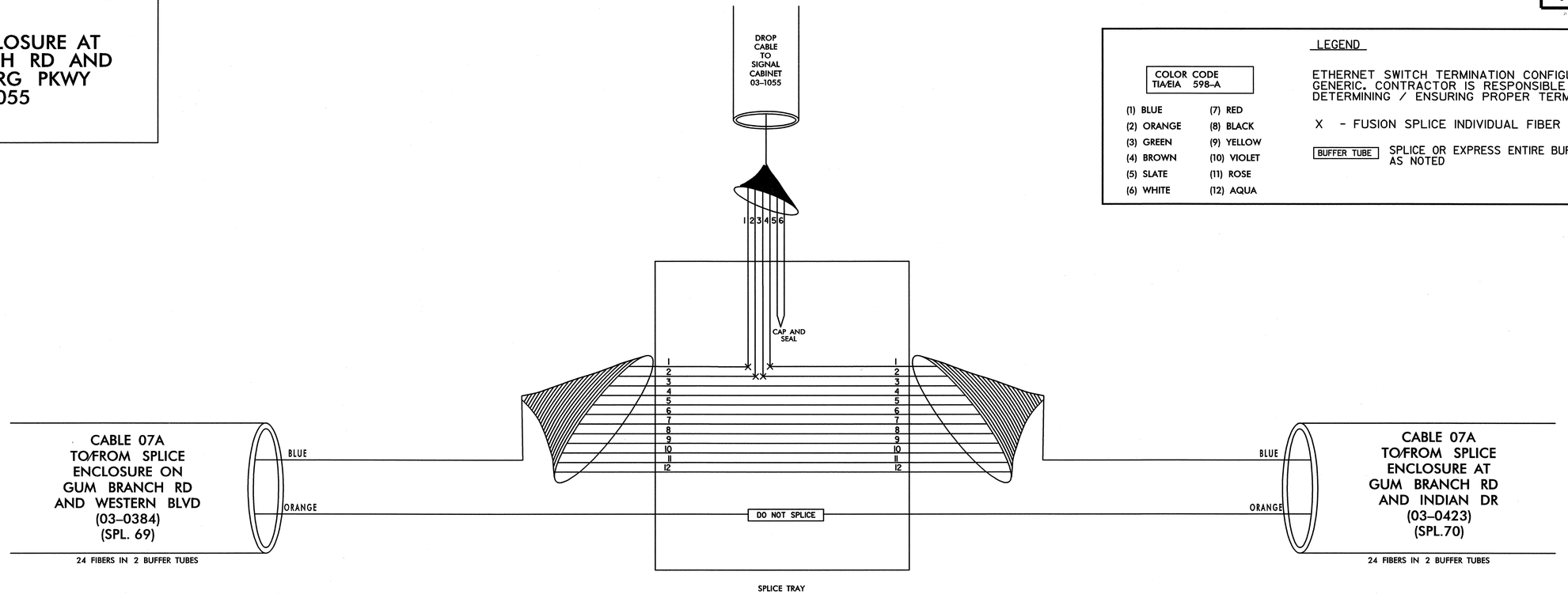
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MENGLISH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\tx_spl_069.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 69A

SPLICE ENCLOSURE AT GUM BRANCH RD AND WILLIAMSBURG PKWY 03-1055



LEGEND

COLOR CODE TIA/EIA 598-A

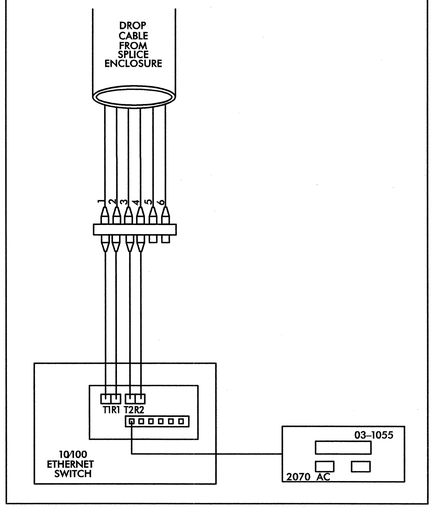
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-1055



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SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_069A.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 70

SPLICE ENCLOSURE AT GUM BRANCH RD AND INDIAN DR 03–0423

LEGEND

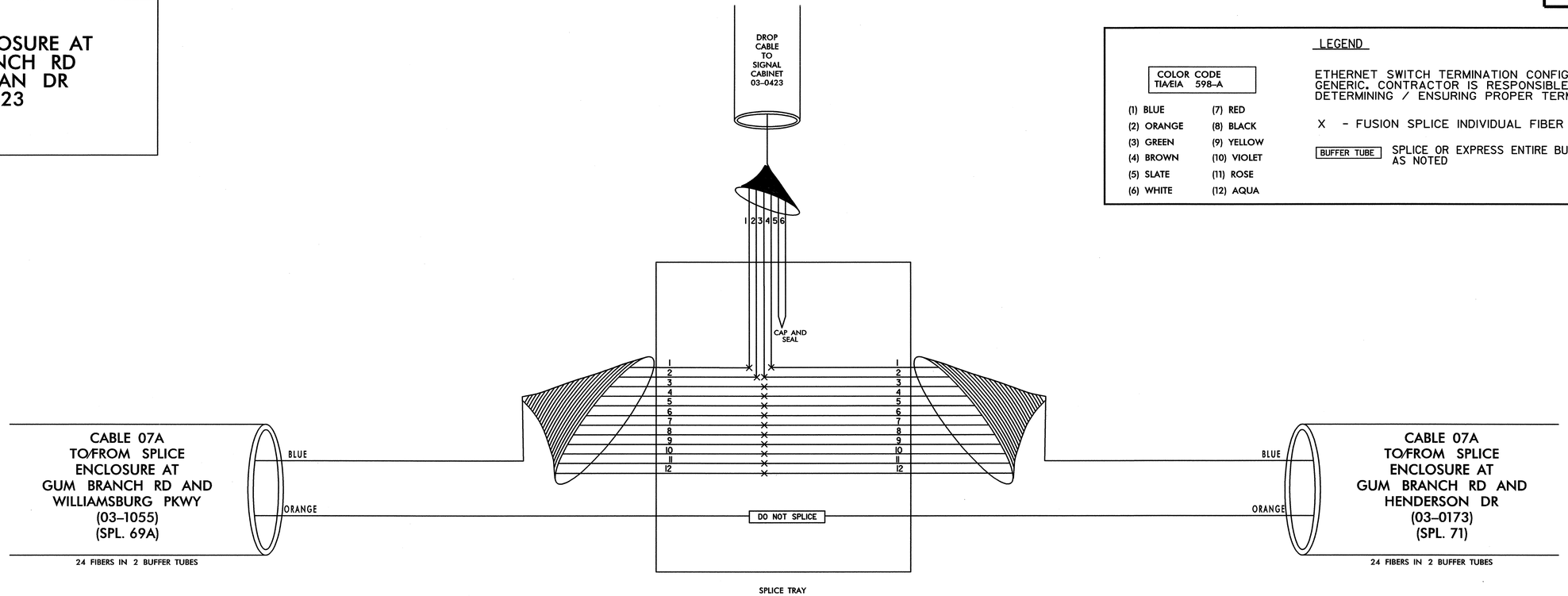
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

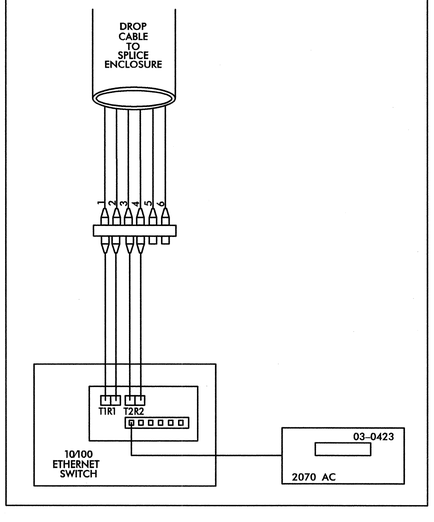
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0423



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MCMINNVILLE

7.20.2011
SIGNATURE DATE

7/20/2011
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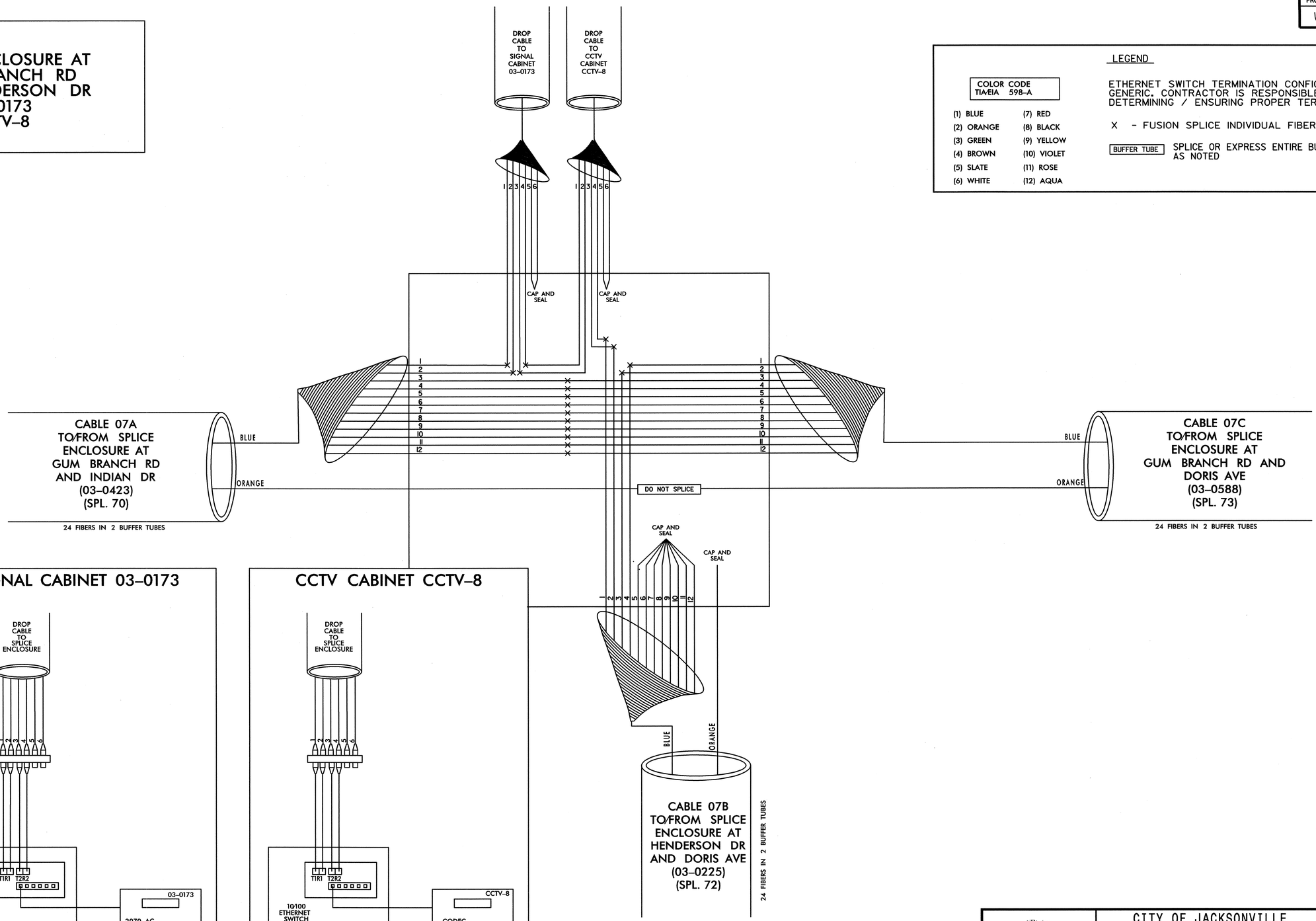
PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 71

SPLICE ENCLOSURE AT GUM BRANCH RD AND HENDERSON DR 03-0173 CCTV-8



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
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PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 ONSLOW COUNTY

PLAN DATE:	JULY 2011	REVIEWED BY:	
PREPARED BY:		REVIEWED BY:	

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 72

SPLICE ENCLOSURE AT HENDERSON DR AND DORIS AVE 03–0225 CCTV–10

LEGEND

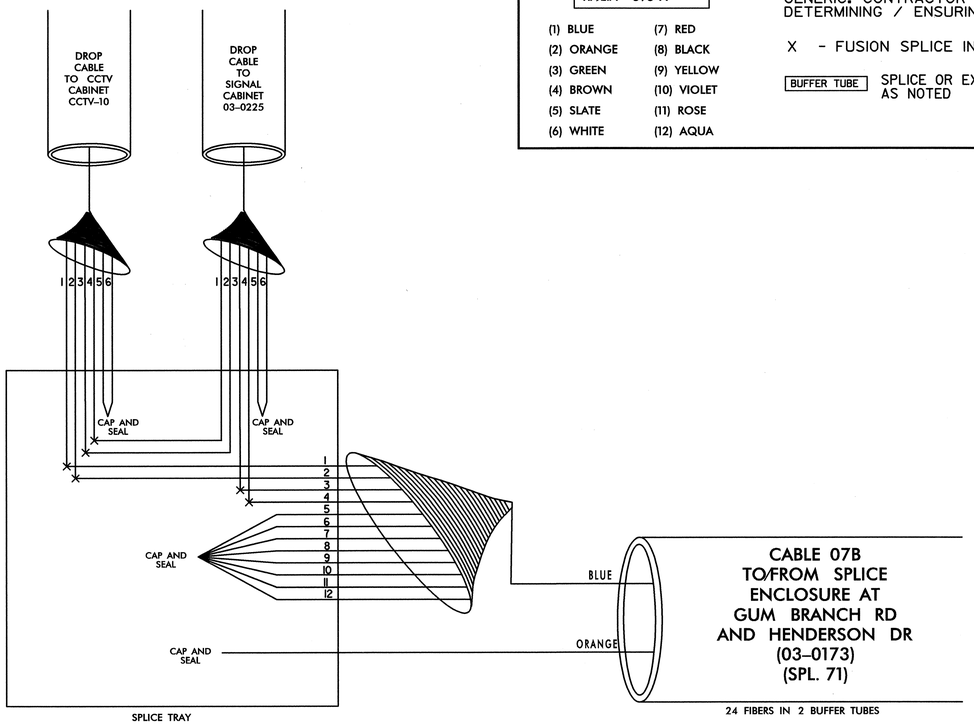
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

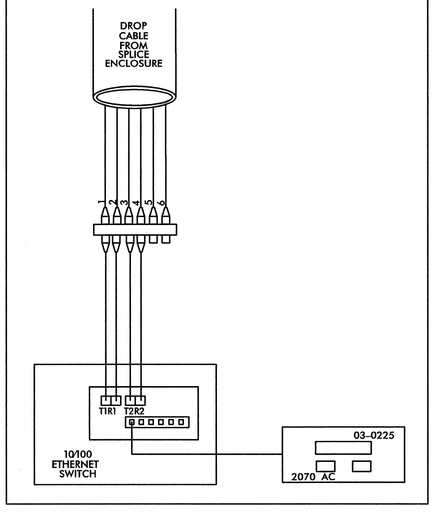
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

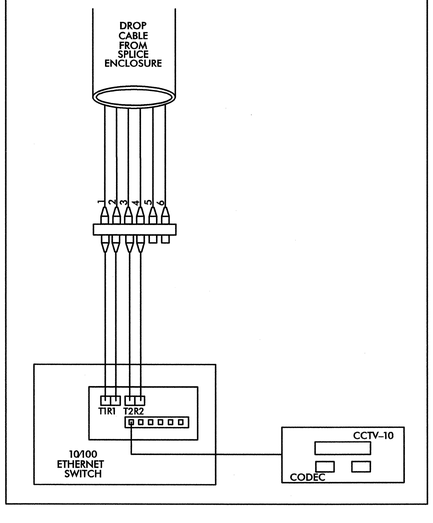
BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0225



CCTV CABINET CCTV–10



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
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PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Traffic Engineering Branch
750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

SCALE: 0 NONE

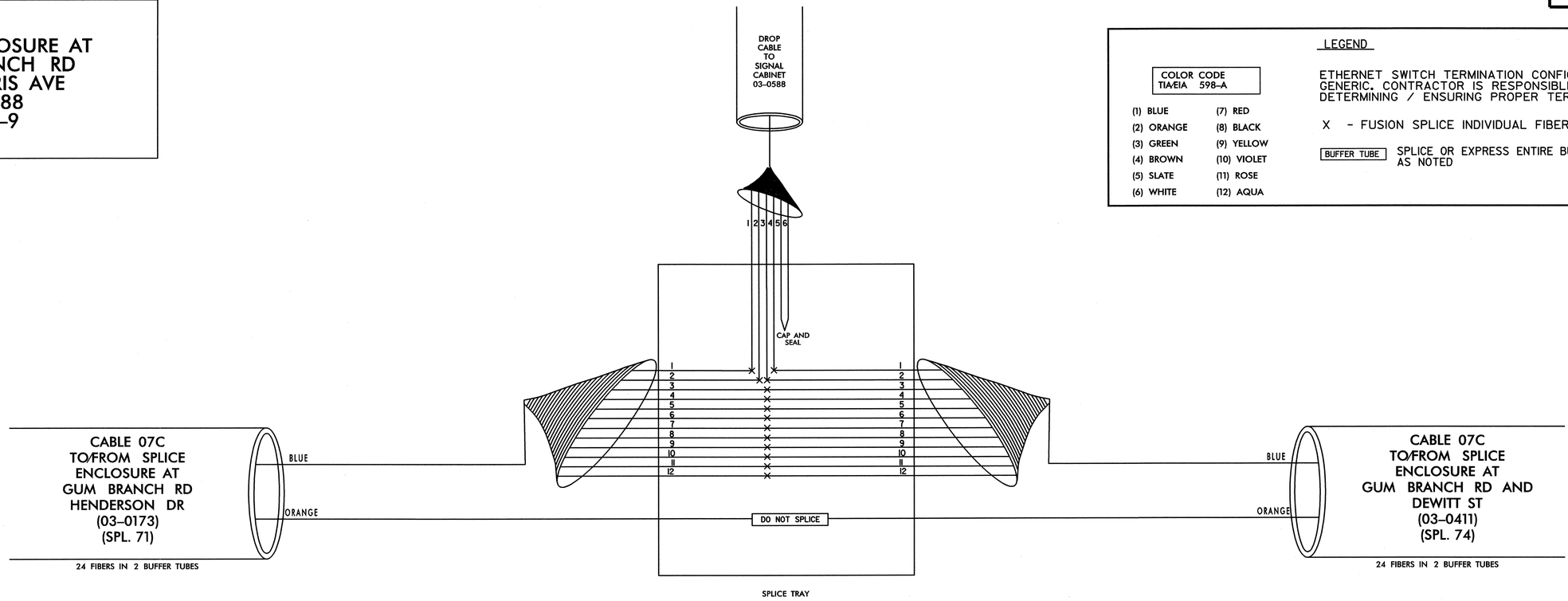
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE N. SMISZ MENGLOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 73

SPLICE ENCLOSURE AT GUM BRANCH RD AND DORIS AVE 03–0588 CCTV–9



LEGEND

COLOR CODE TIA/EIA 598–A

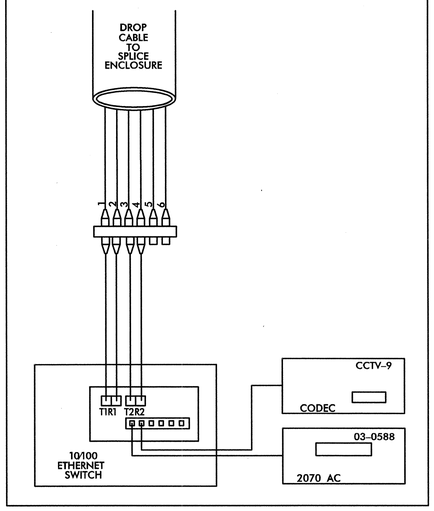
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0588



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_073.dgn

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
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(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

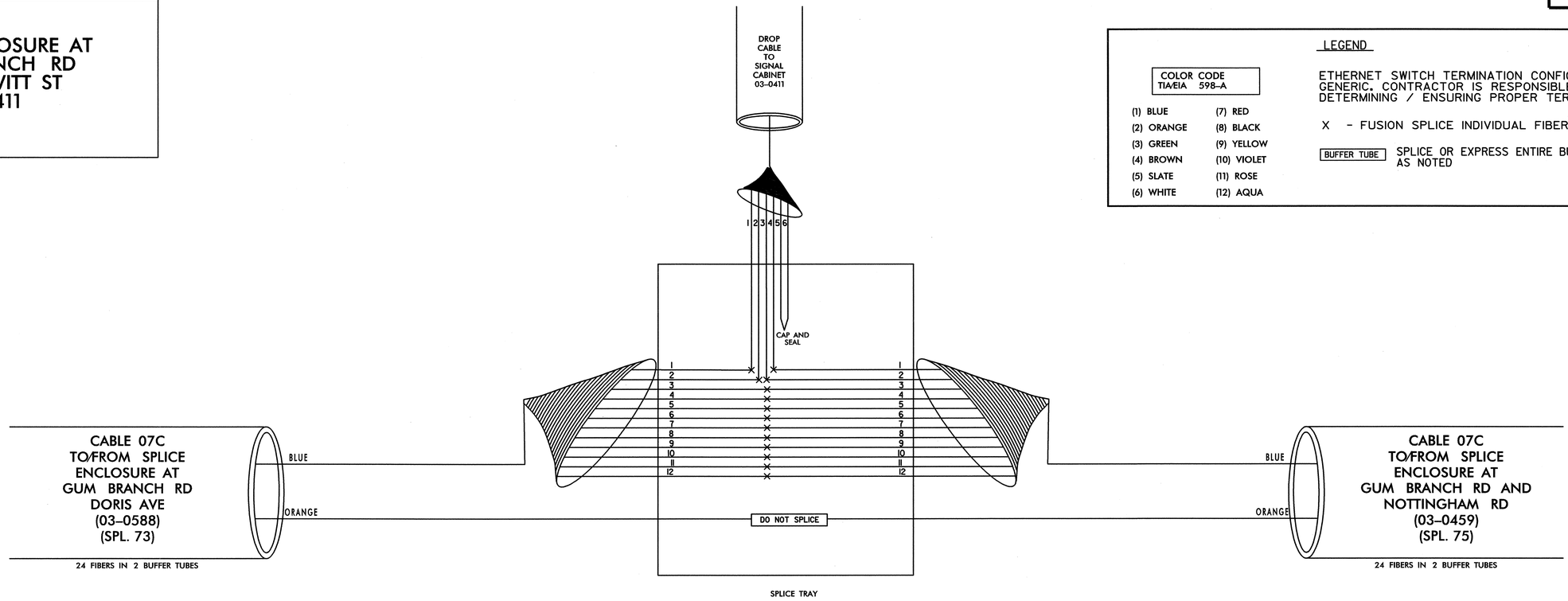
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 74

SPLICE ENCLOSURE AT GUM BRANCH RD AND DEWITT ST 03-0411



LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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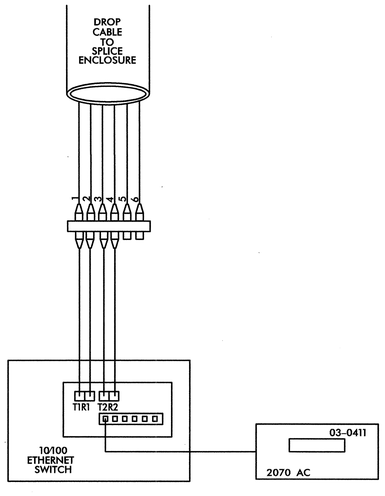
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0411



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh, N.C. 27636-3068
(919) 677-2000

250 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNAUGHTON

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 75

SPLICE ENCLOSURE AT GUM BRANCH RD AND NOTTINGHAM RD 03-0459

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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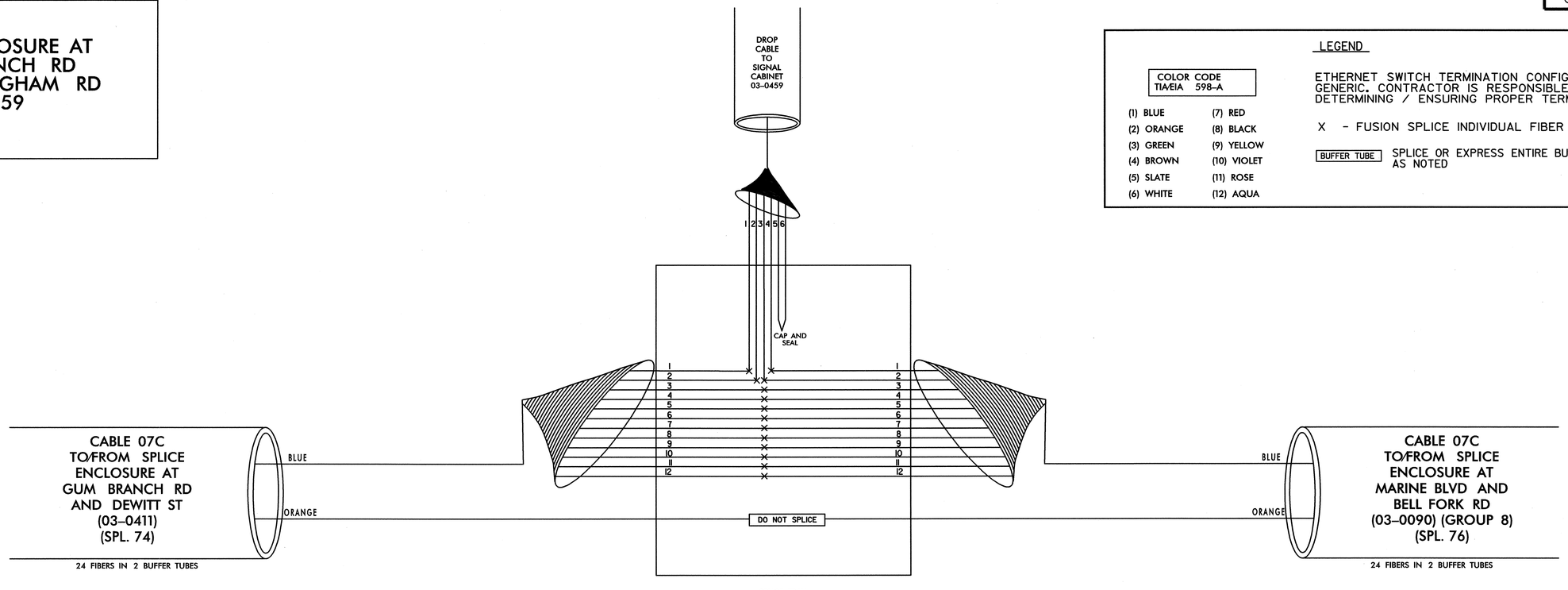
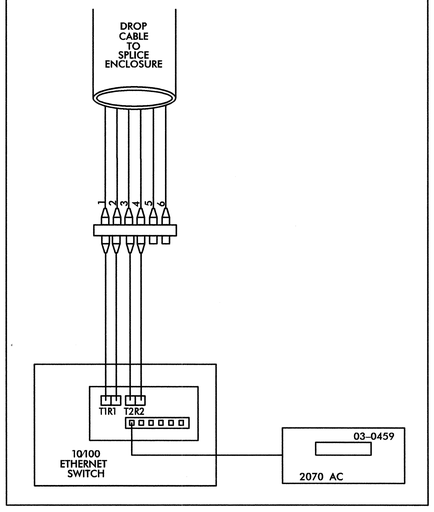
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0459



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PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — Intelligent Transportation Systems Section — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 7 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\Jax_spl_075.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 76

SPLICE ENCLOSURE AT MARINE BLVD AND BELL FORK RD 03-0090 CCTV-14

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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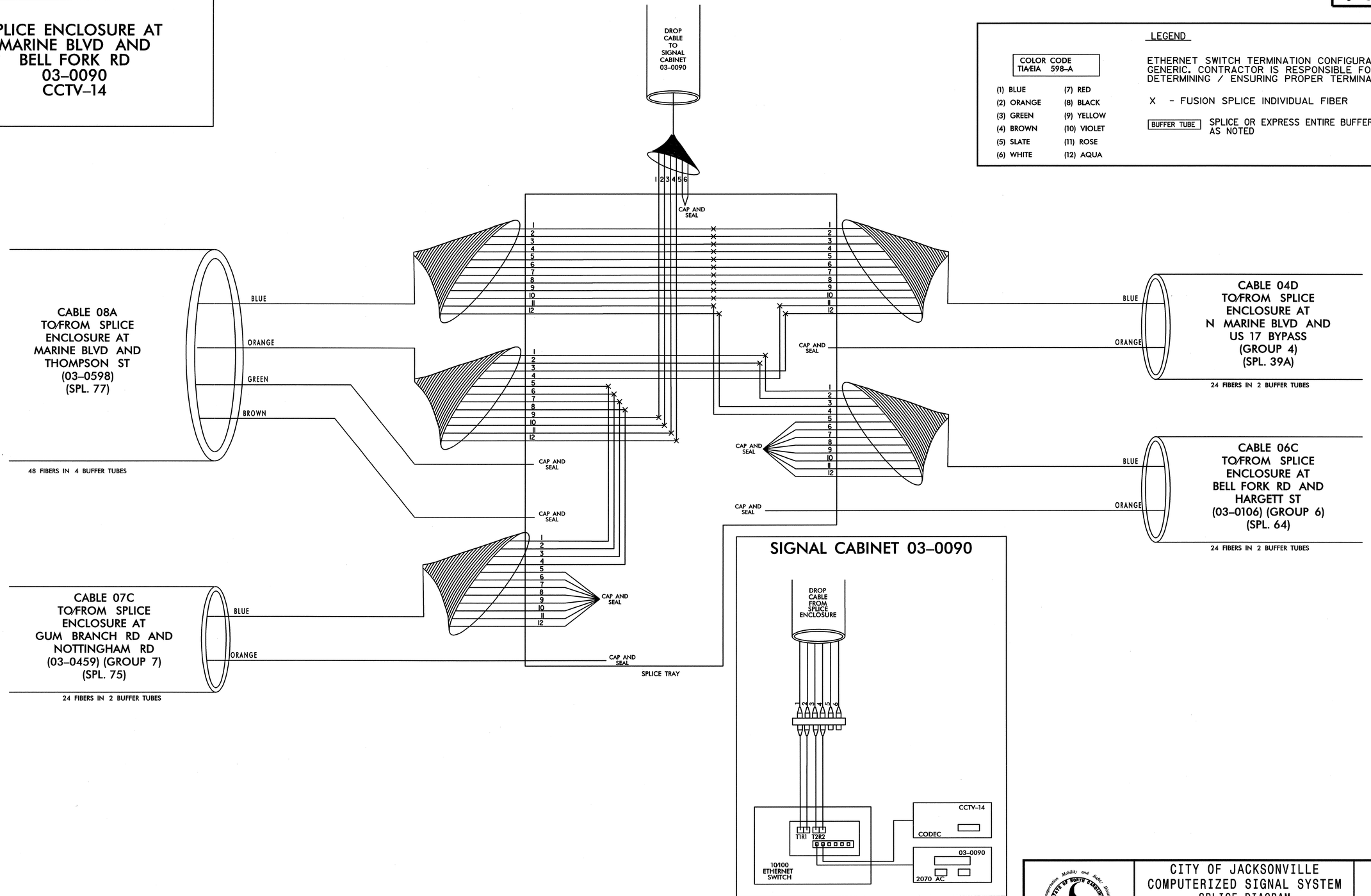
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 8 ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

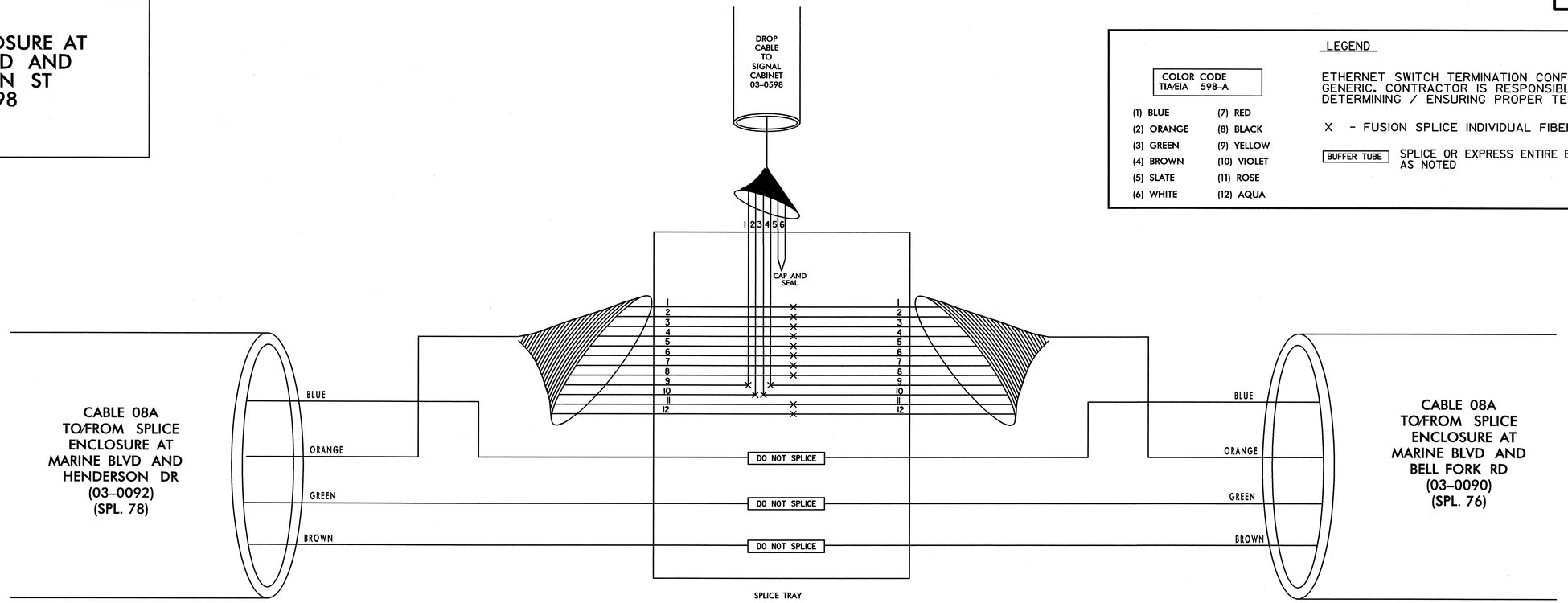
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
_\SPLICING\Jax_spl_076.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 77

SPLICE ENCLOSURE AT MARINE BLVD AND THOMPSON ST 03–0598



LEGEND

COLOR CODE TIA/EIA 598–A

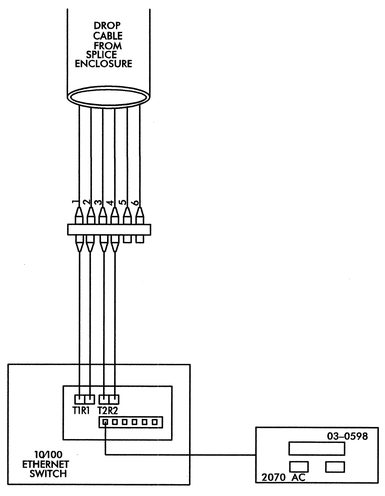
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0598



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — Transportation Mobility and Safety Division — Intermodal Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 8 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

SCALE: 0 — NONE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATHALIE M. SMISZ MENDELOVICH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jox_spl_077.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 78

SPLICE ENCLOSURE AT MARINE BLVD AND HENDERSON DR
03-0092
03-0091
CCTV-15

LEGEND

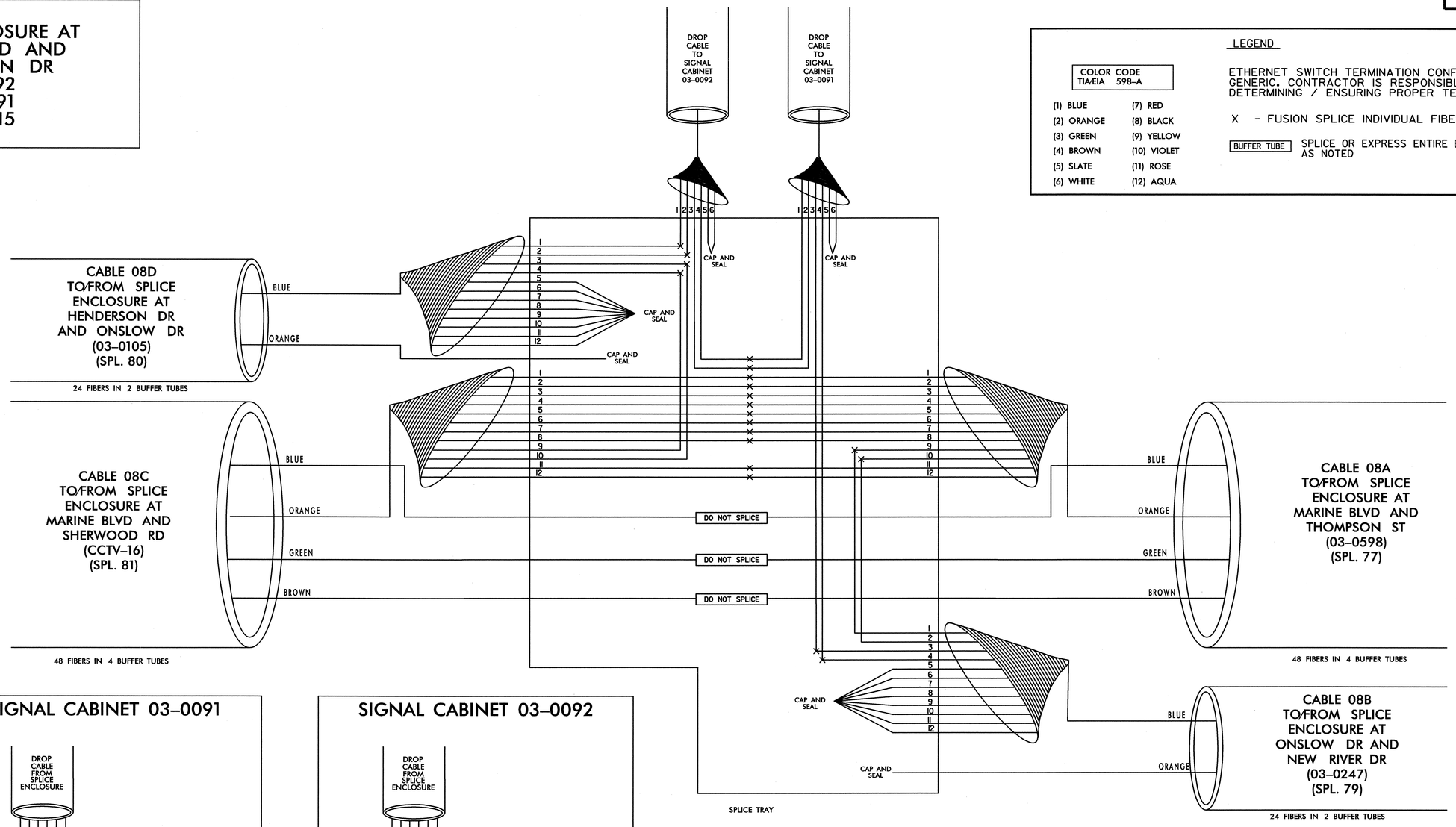
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

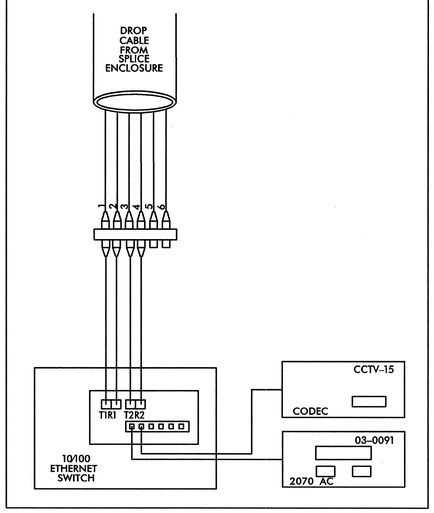
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

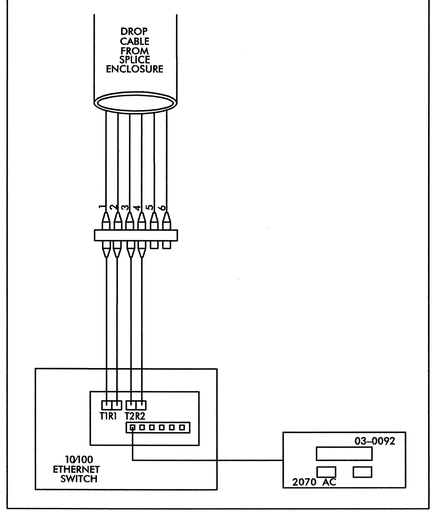
BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0091



SIGNAL CABINET 03-0092



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 8 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUST-MCNAUGHTON

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_078.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 79

SPLICE ENCLOSURE AT ONSLOW DR AND NEW RIVER DR (03–0247)

LEGEND

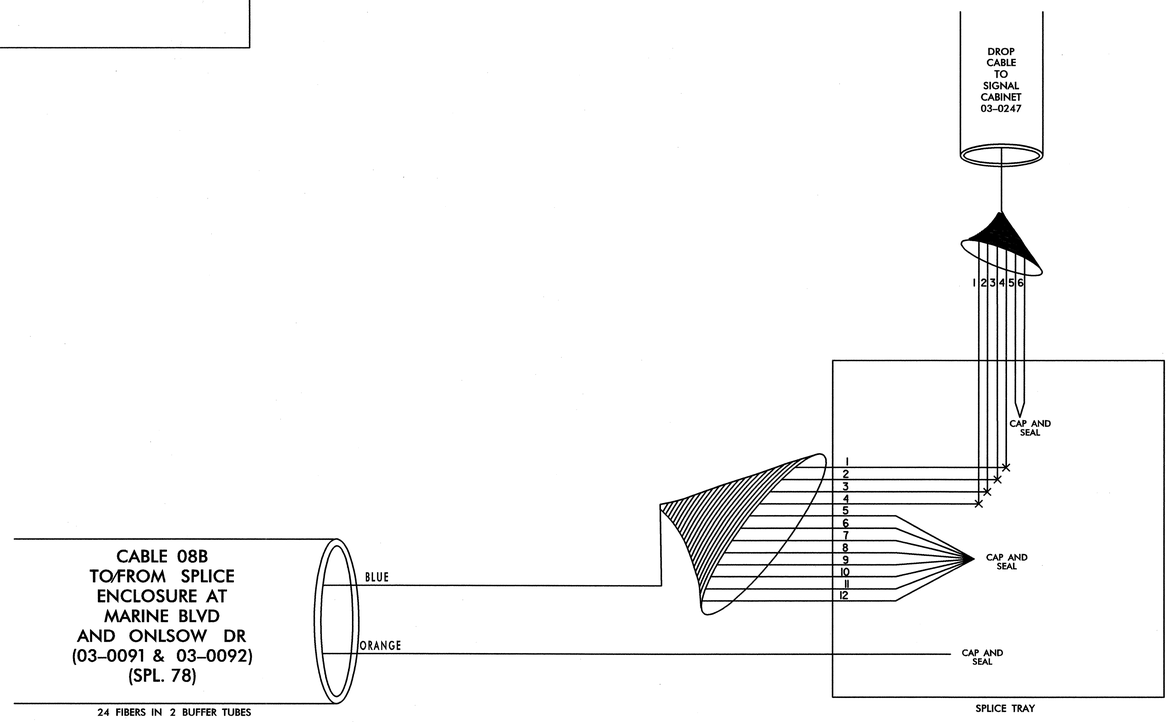
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

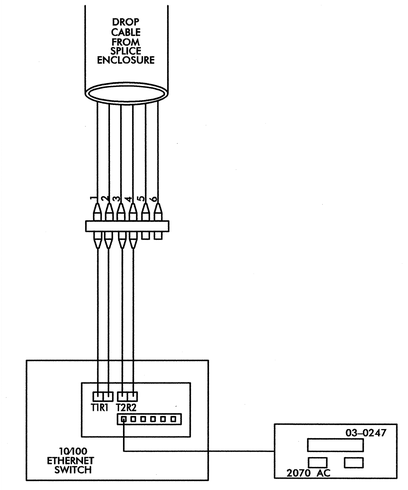
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0247



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_079.dgn

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Integrated Mobility Division
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 8 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 80

SPLICE ENCLOSURE AT HENDERSON DR AND ONSLOW DR (03–0105)

LEGEND

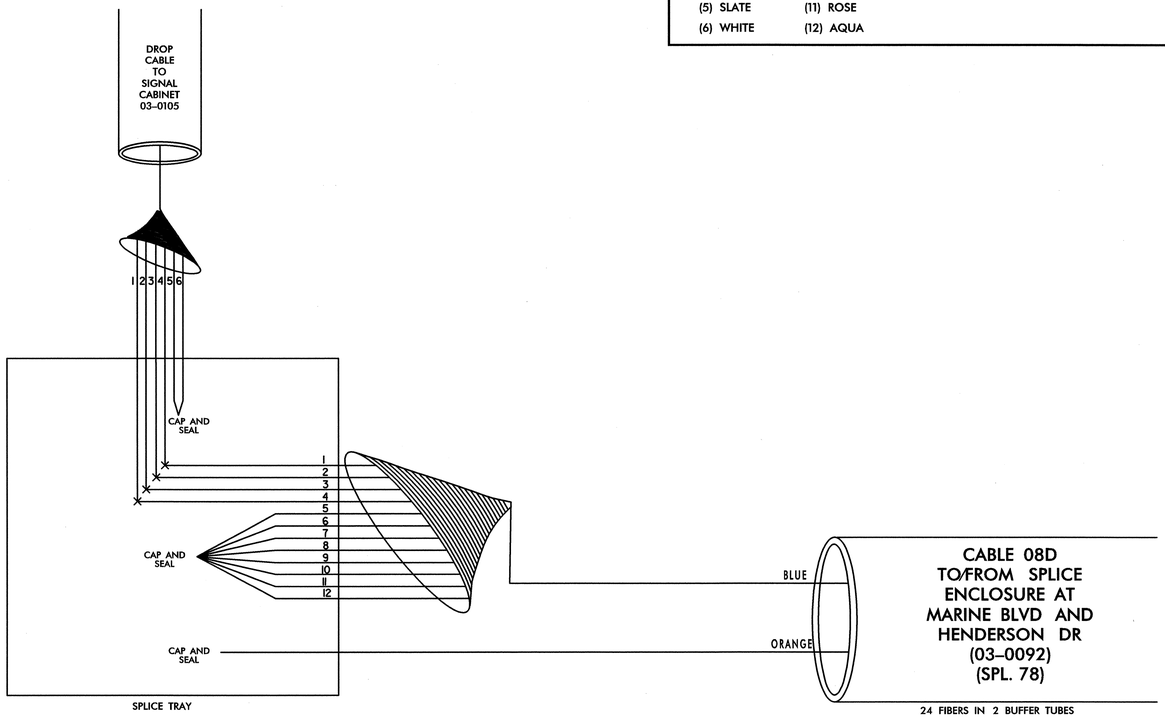
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

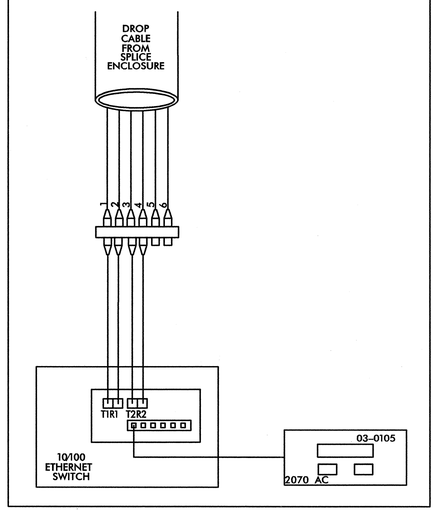
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0105



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
...\SPLICING\jax_spl_080.dgn

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 8 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE N. SMUSZ MENGELKOCH

SIGNATURE

7.20.2011
DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 81

SPLICE ENCLOSURE AT MARINE BLVD AND SHERWOOD RD CCTV-16

LEGEND

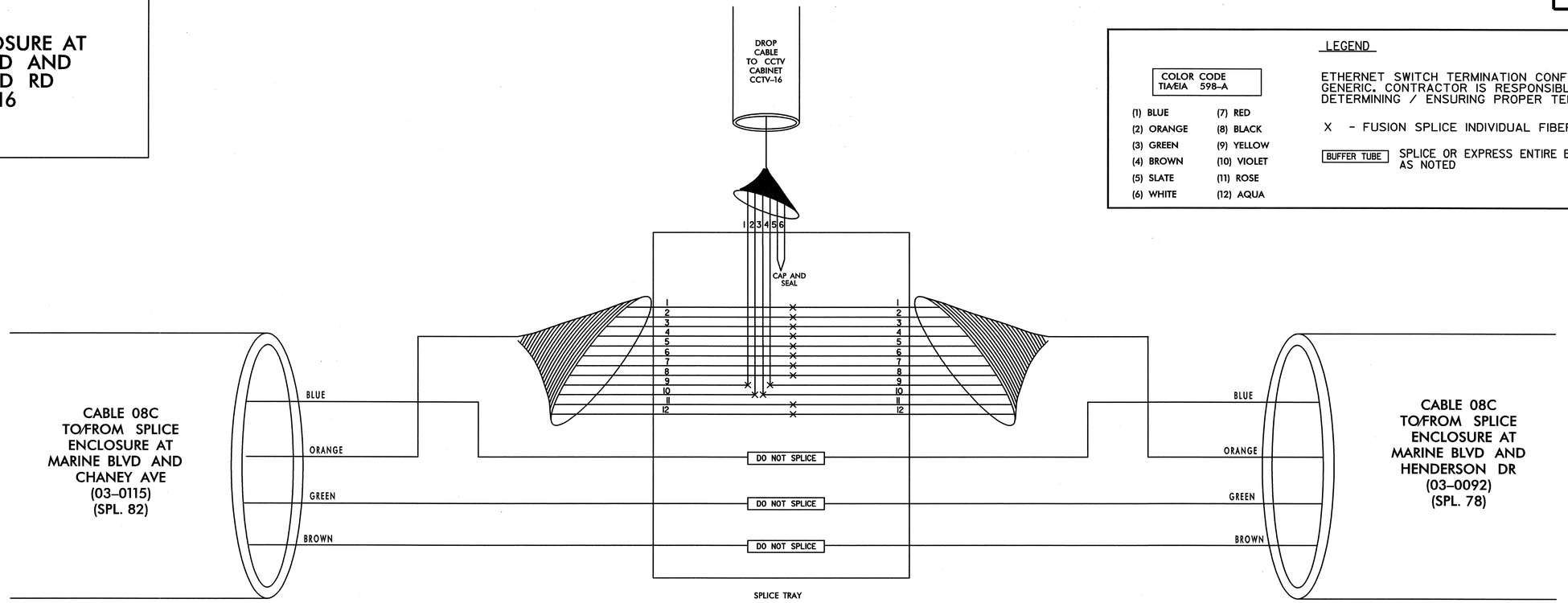
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

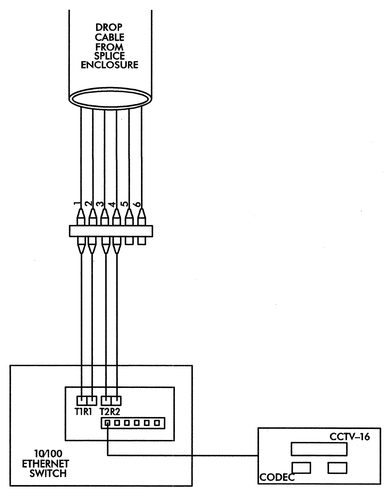
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



CCTV CABINET CCTV-16



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intermodal Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

GROUP 8 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\tox_spl_081.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 82

SPLICE ENCLOSURE AT MARINE BLVD AND CHANEY AVE (03–0115)

LEGEND

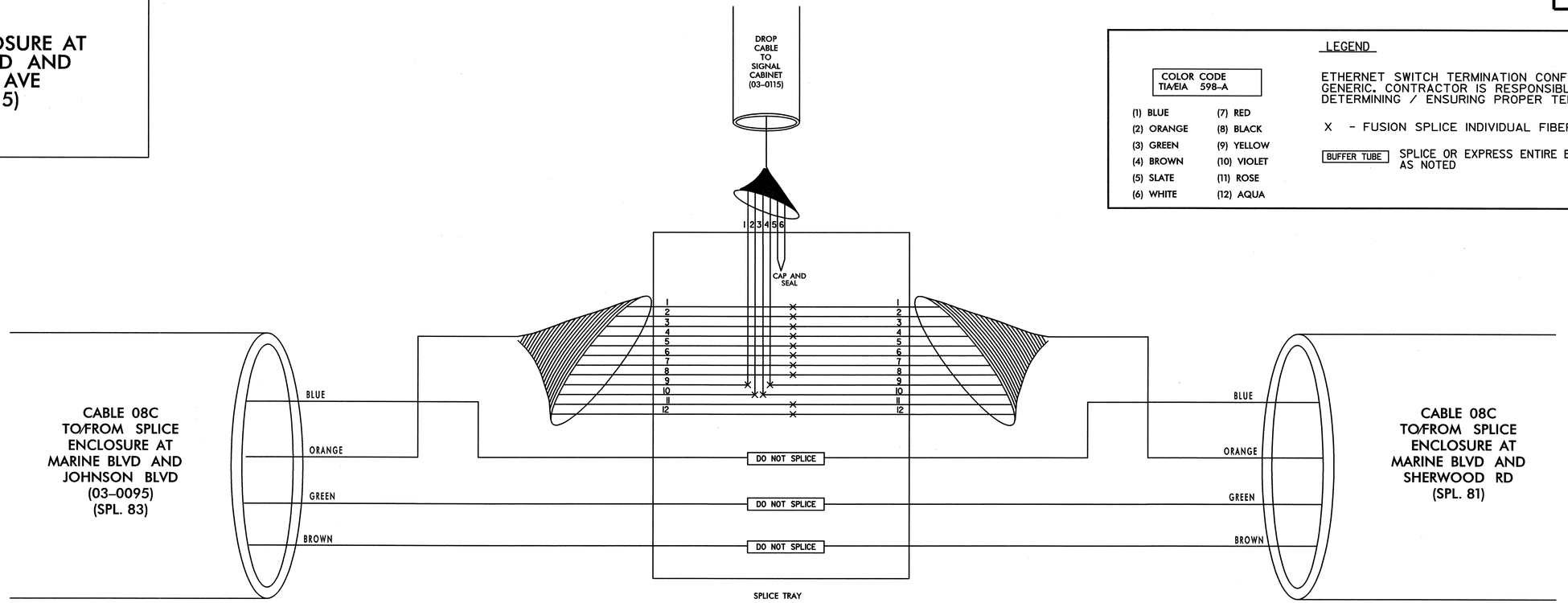
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

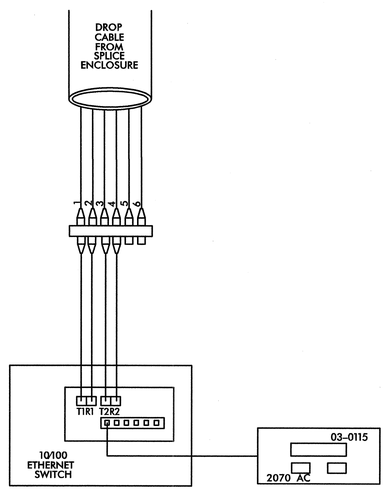
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0115



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 8 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NITALIE M. SWISZ MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_082.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 83

SPLICE ENCLOSURE AT S MARINE BLVD AND JOHNSON BLVD 03-0095 03-0094

LEGEND

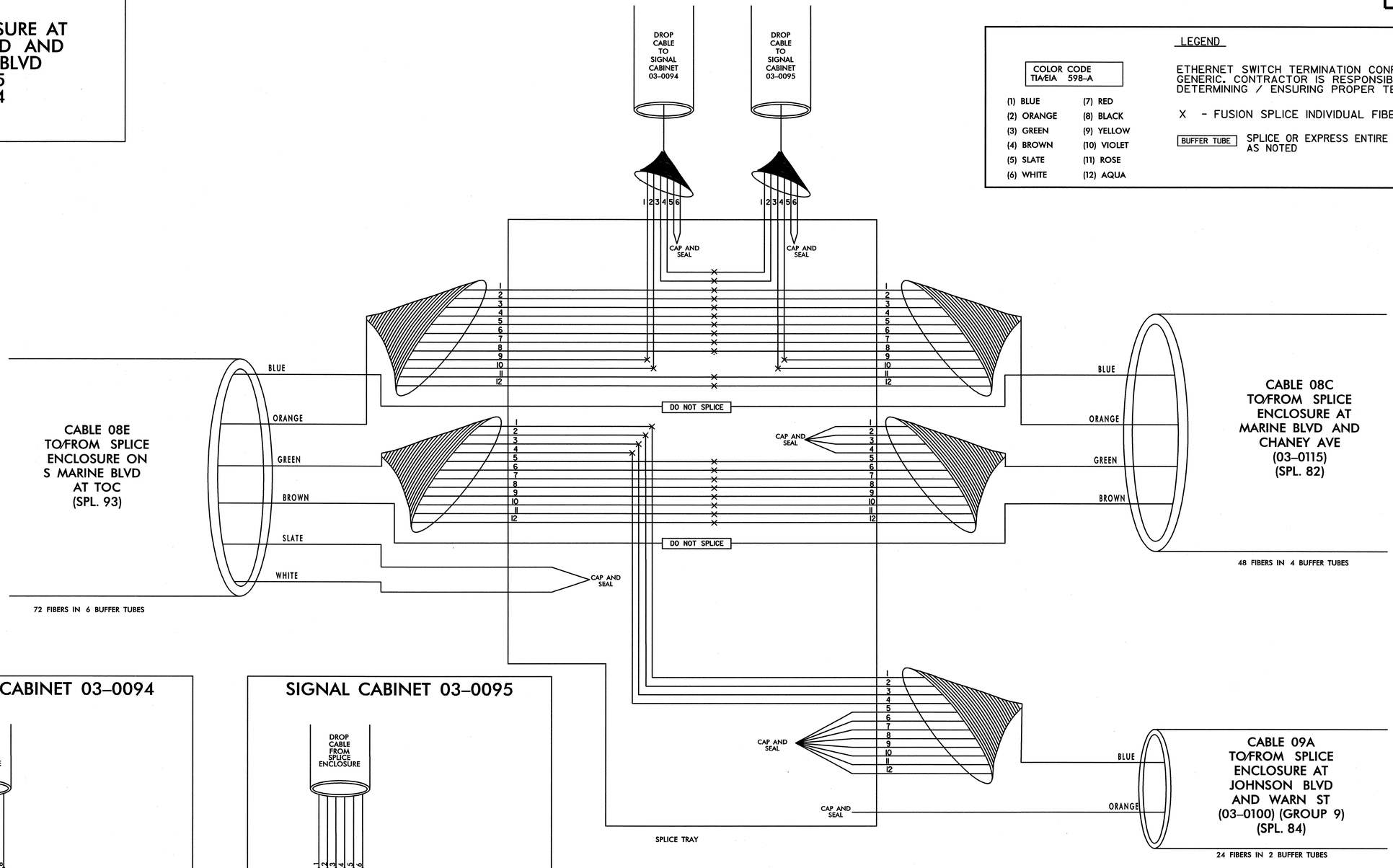
COLOR CODE TIA/EIA 598-A

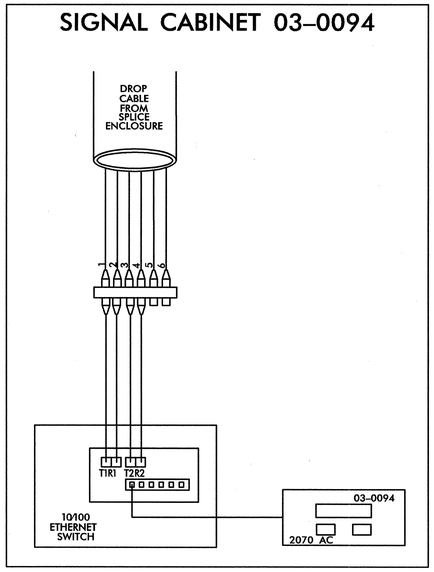
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

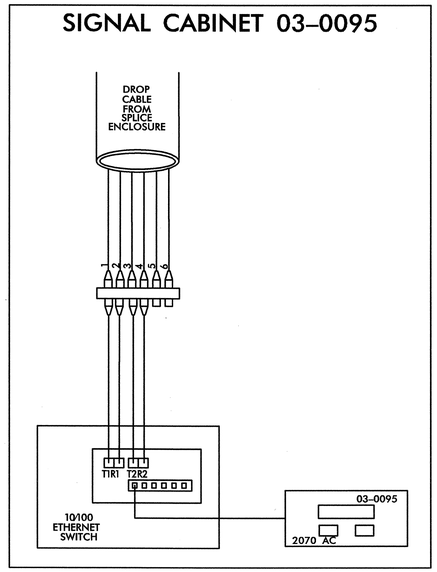
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED







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PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 8 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_083.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 84

SPLICE ENCLOSURE AT JOHNSON BLVD AND WARN ST 03-0100

LEGEND

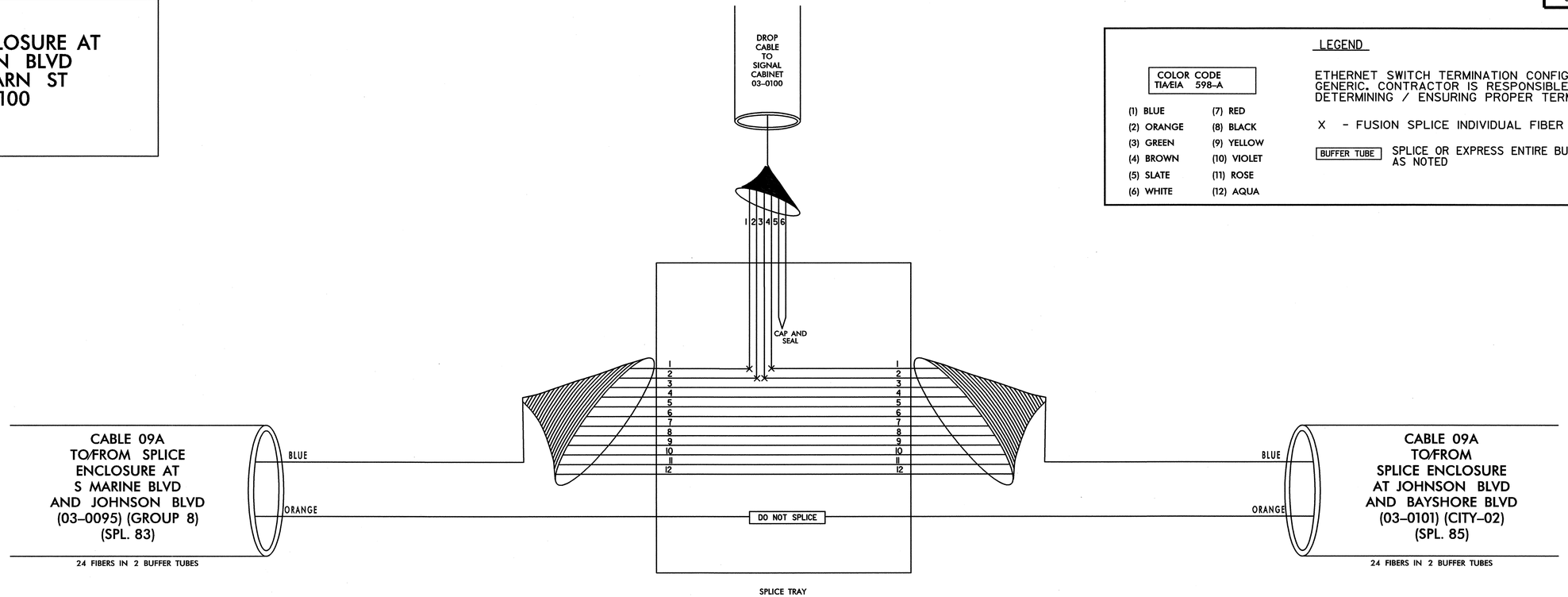
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

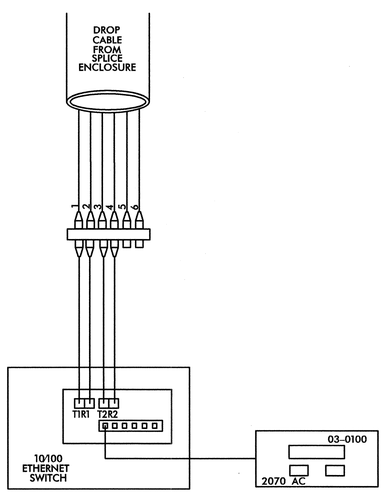
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03-0100



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PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 85

SPLICE ENCLOSURE AT JOHNSON BLVD AND BAYSHORE BLVD 03-0101 CITY-02

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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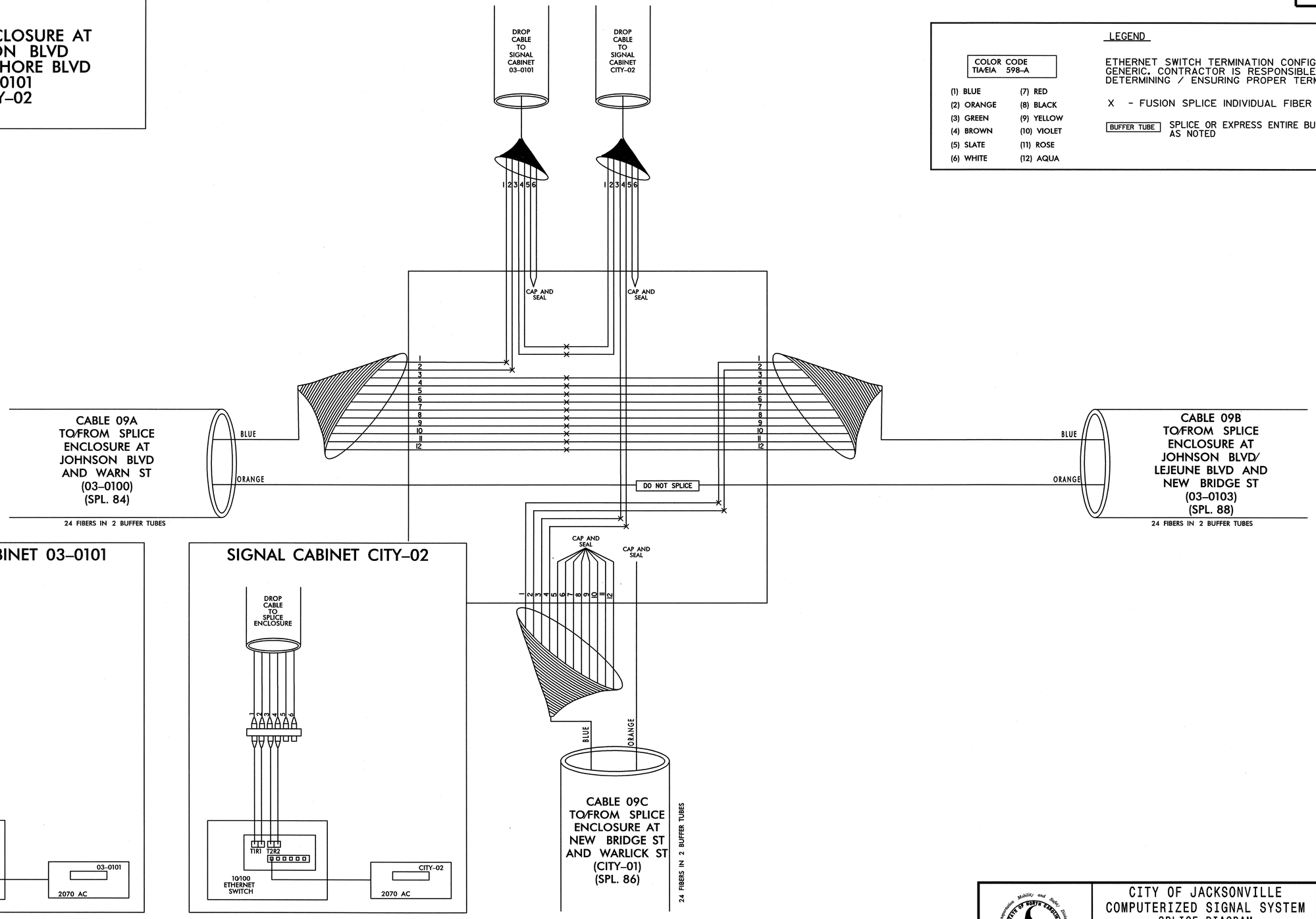
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
_SPLICING\jax_spl_085.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 86

SPLICE ENCLOSURE AT NEW BRIDGE ST AND WARLICK ST CITY-01

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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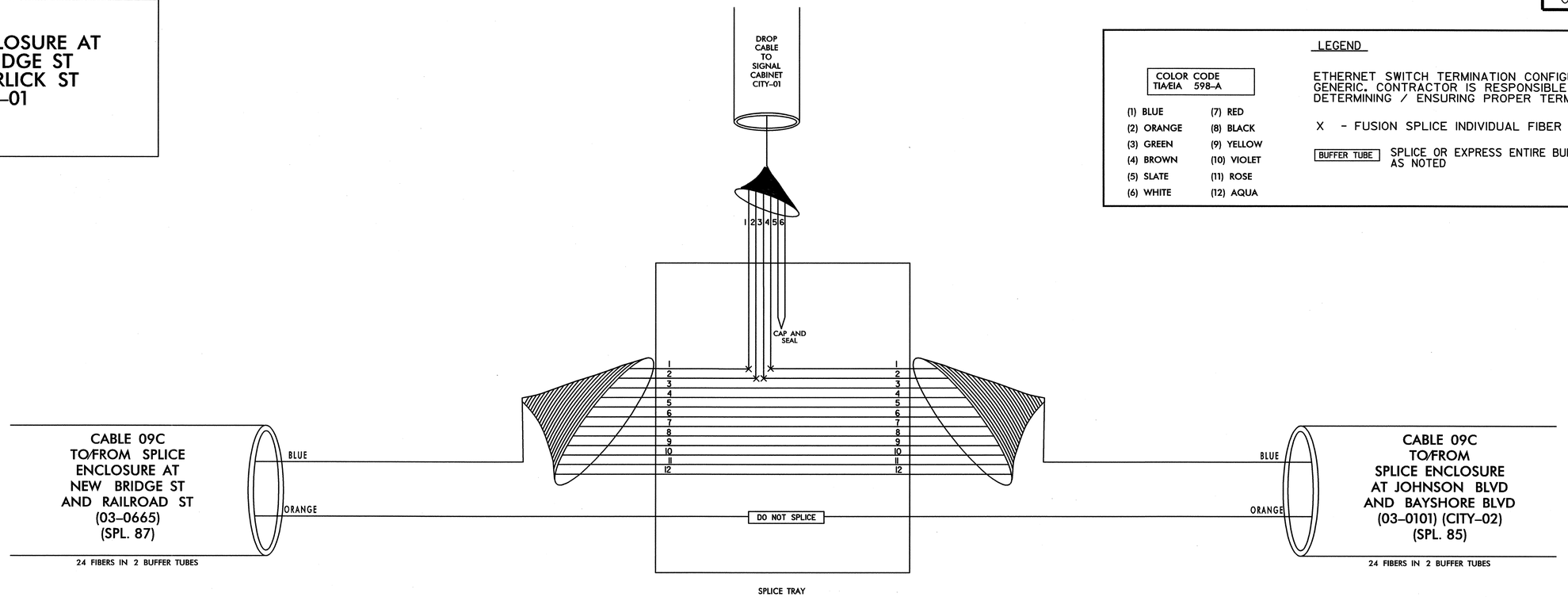
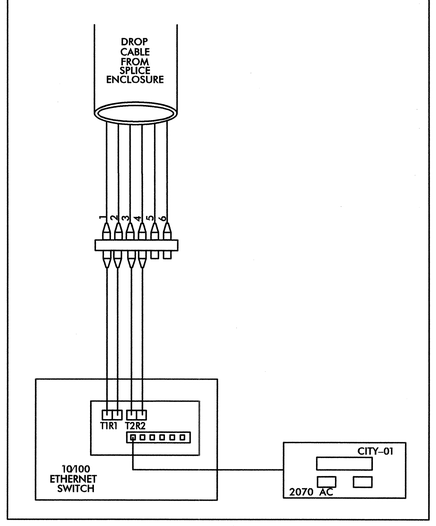
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET CITY-01



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PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

7.20.2011
SIGNATURE DATE

7/20/2011
_\SPLICING\jax_spl_086.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 87

SPLICE ENCLOSURE AT NEW BRIDGE ST AND RAILROAD ST (03–0665)

LEGEND

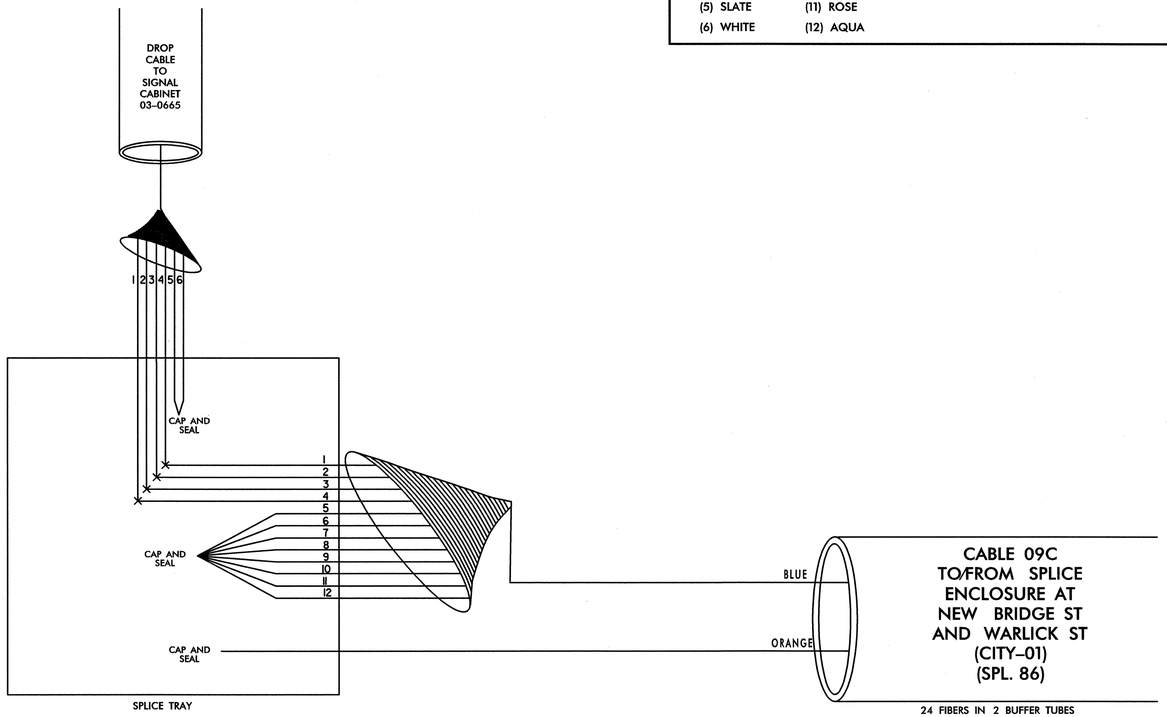
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

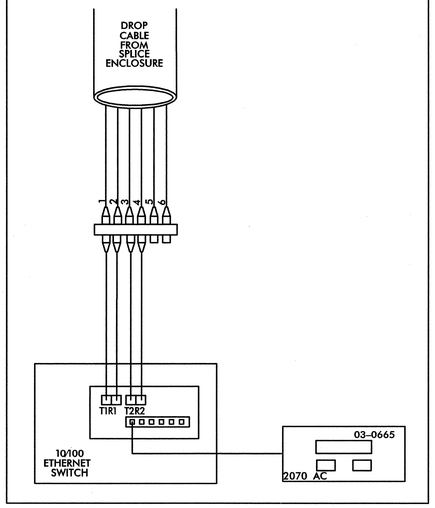
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0665



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

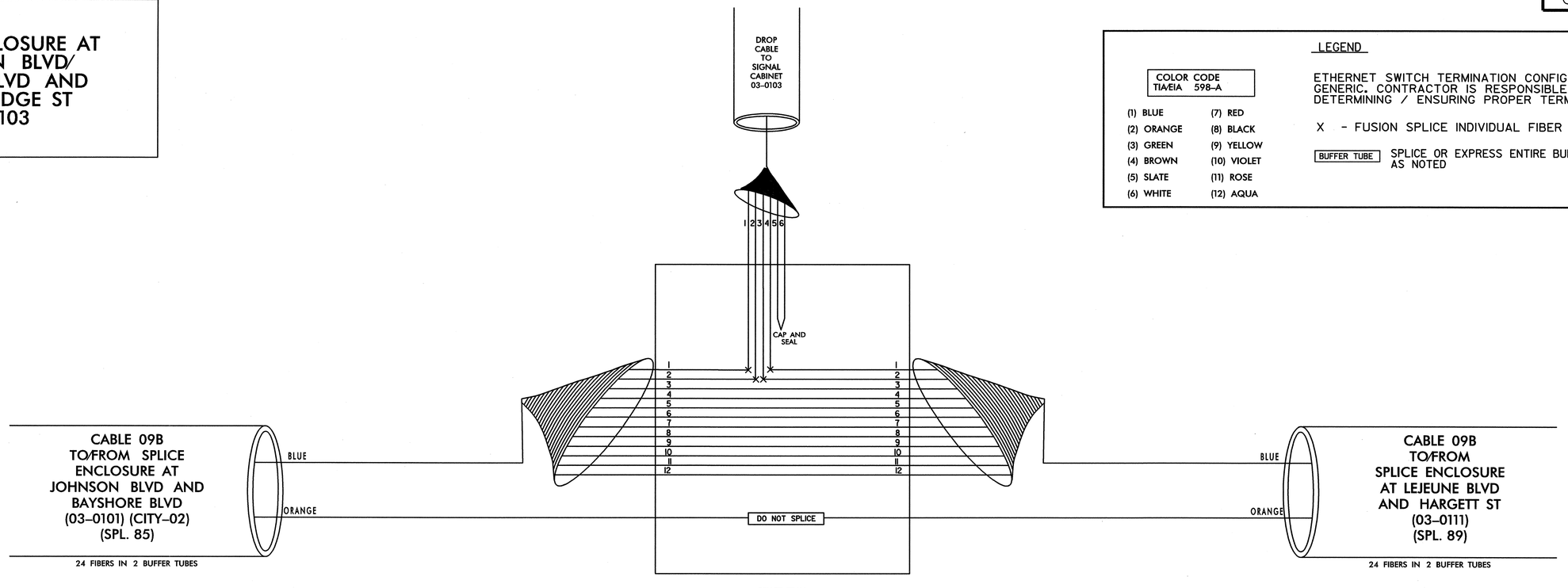
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGLOTH

7.20.2011
SIGNATURE DATE

7/20/2011
...\SPLICING\jax_spl_087.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 88

SPLICE ENCLOSURE AT JOHNSON BLVD/ LEJEUNE BLVD AND NEW BRIDGE ST 03-0103



LEGEND

COLOR CODE TIA/EIA 598-A

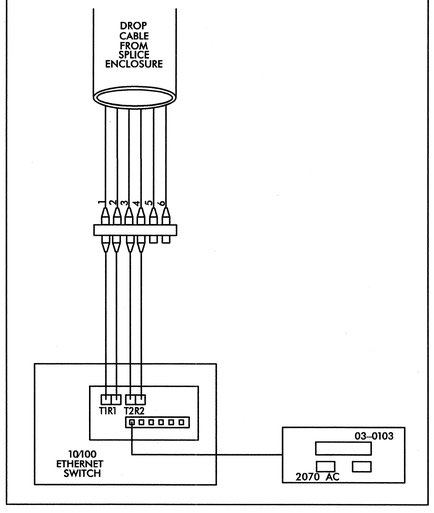
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03-0103



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

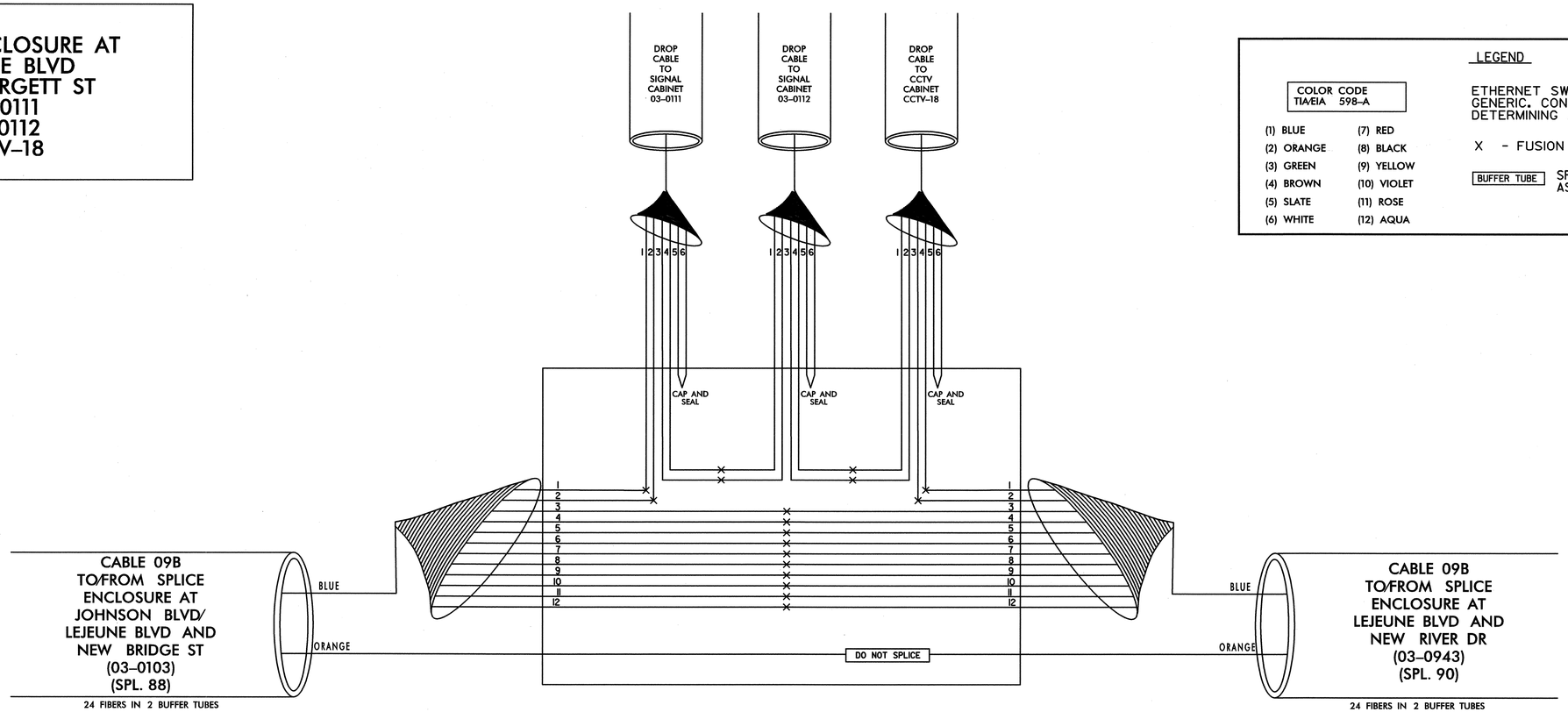
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_088.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 89

SPLICE ENCLOSURE AT LEJEUNE BLVD AND HARGETT ST
03–0111
03–0112
CCTV–18



LEGEND

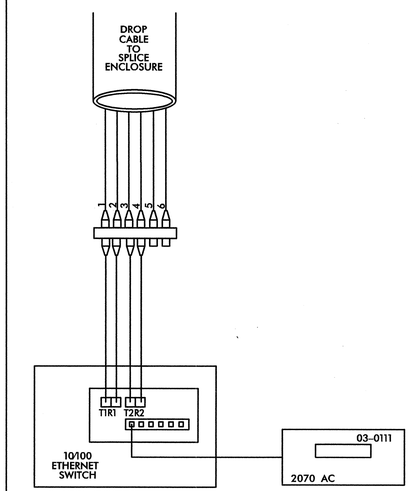
COLOR CODE TIA/EIA 598–A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

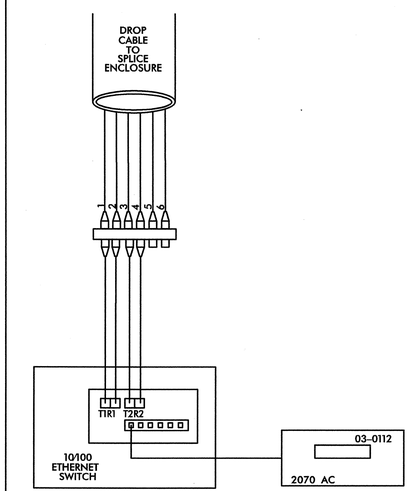
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

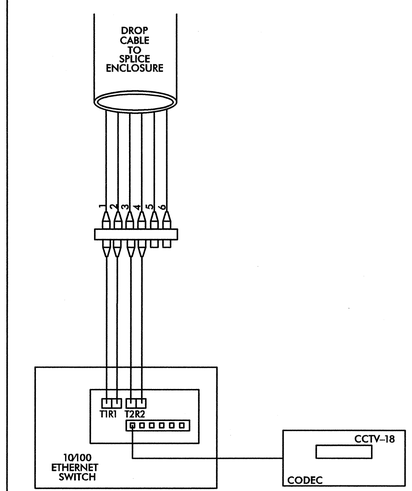
SIGNAL CABINET 03–0111



SIGNAL CABINET 03–0112



CCTV CABINET CCTV–18



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:
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Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Integrated Mobility Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 — NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

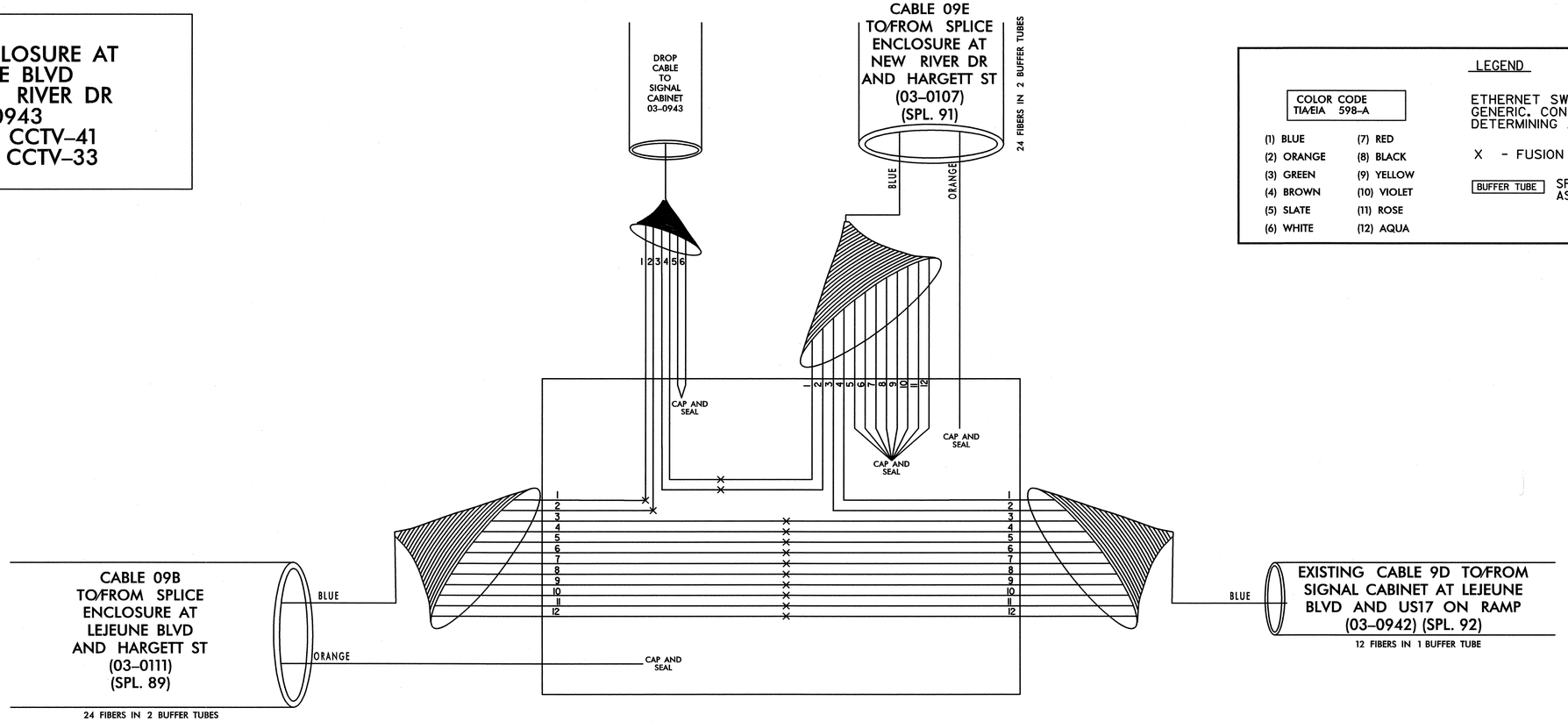
NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_089.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 90

SPLICE ENCLOSURE AT LEJEUNE BLVD AND NEW RIVER DR 03–0943 WIRELESS CCTV–41 WIRELESS CCTV–33



LEGEND

COLOR CODE TIA/EIA 598–A

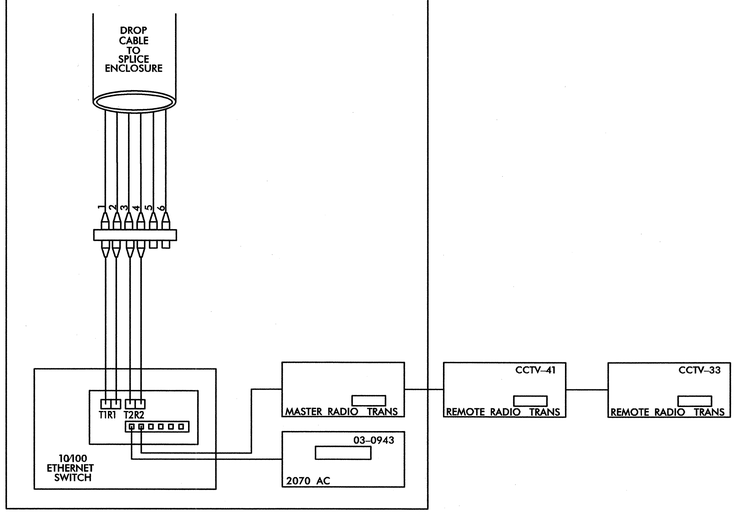
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X – FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE – SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

SIGNAL CABINET 03–0943



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
\SPLICING\Jax_spl_090.dgn

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Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 91

SPLICE ENCLOSURE AT NEW RIVER DR AND HARGETT ST 03–0107

LEGEND

COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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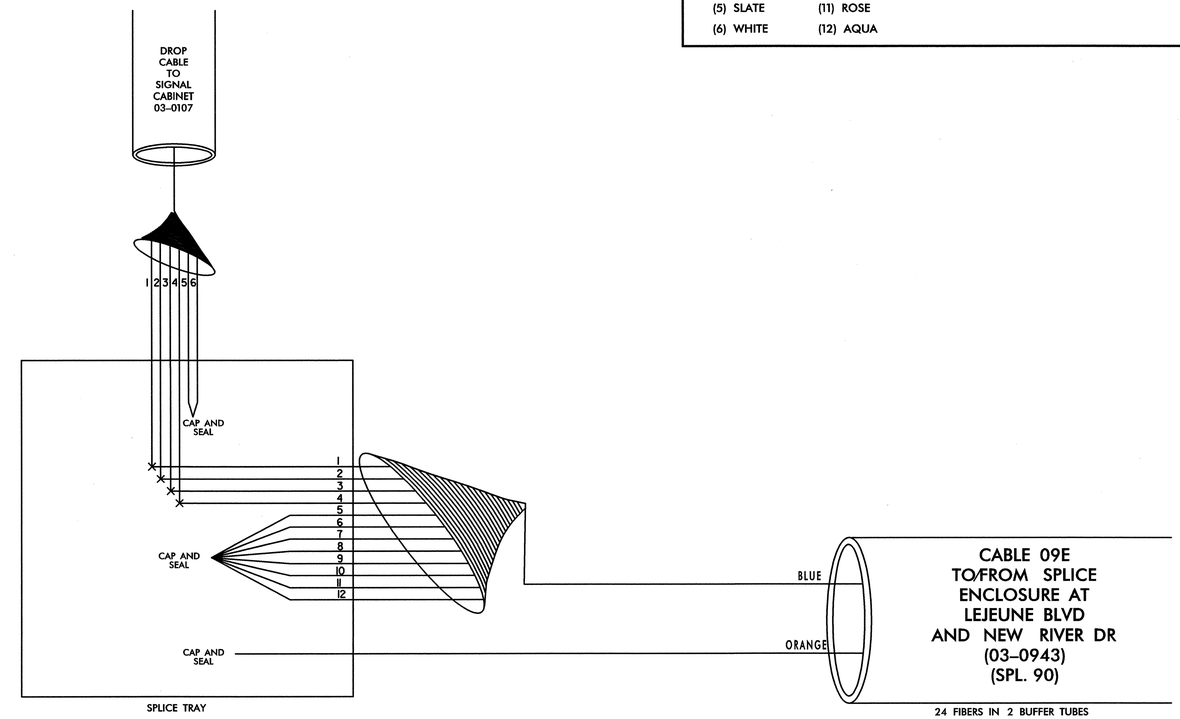
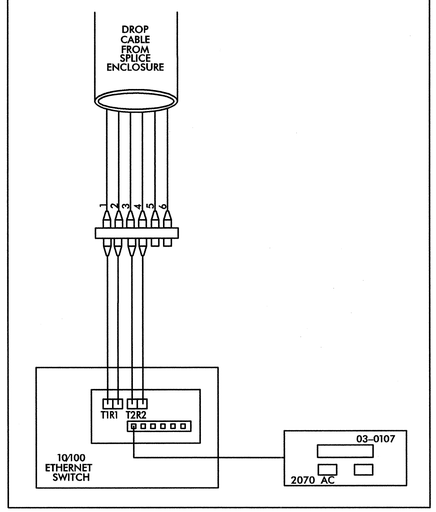
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



SIGNAL CABINET 03–0107



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

7/20/2011
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PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE N. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 92

EXISTING SPLICE ENCLOSURE AT LEJEUNE BLVD AND US 17 ON RAMP 03–0942 CCTV–19

LEGEND

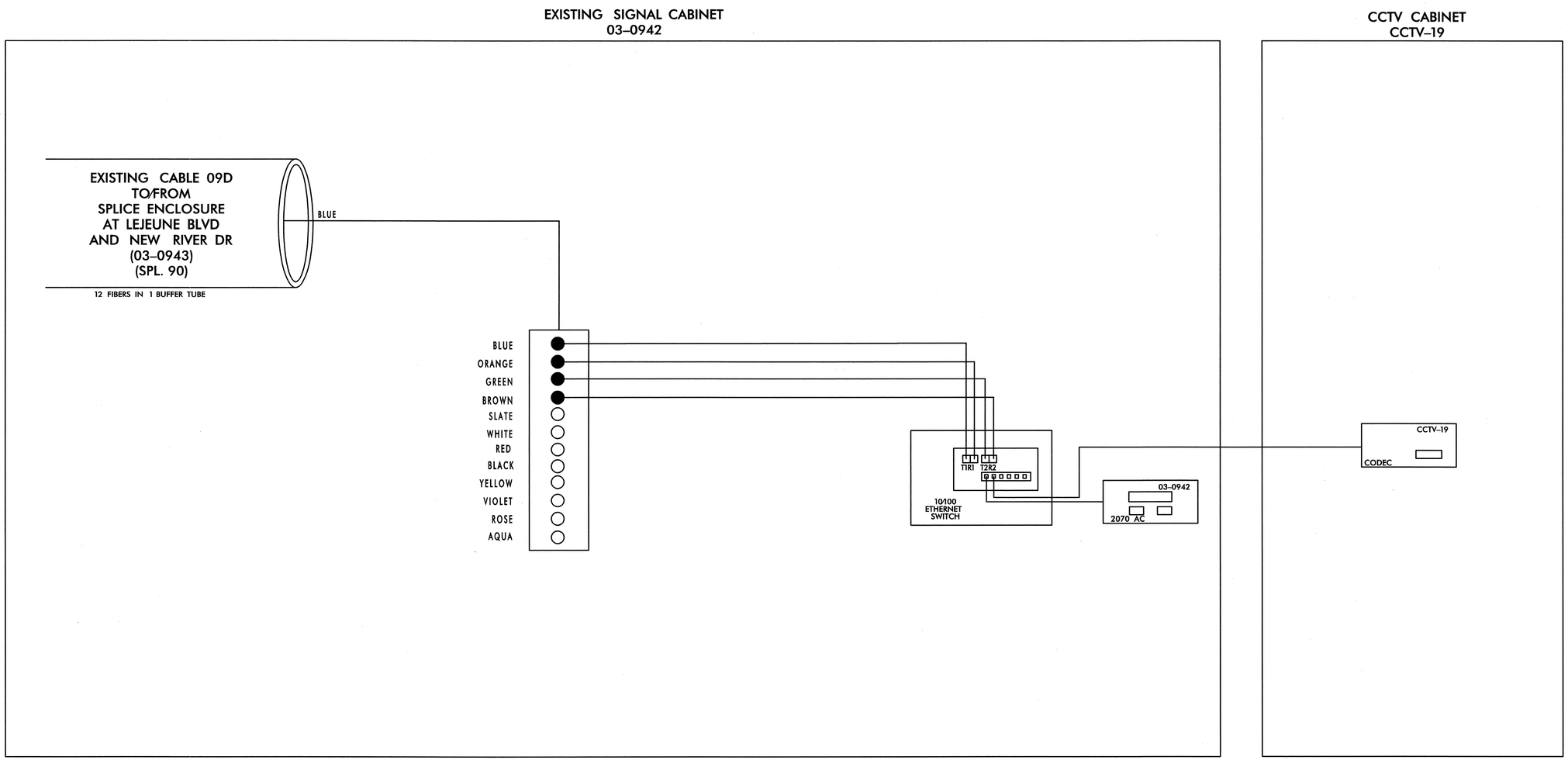
COLOR CODE TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

GROUP 9 — ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MCNEELOCH

SIGNATURE — DATE 7.29.2011

7/20/2011
...\SPLICING\jax_spl_092.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 93

PROPOSED TOC ON S MARINE BLVD

NOTE: SEE FIBER ALLOCATION TABLES FOR FURTHER INFORMATION

LEGEND

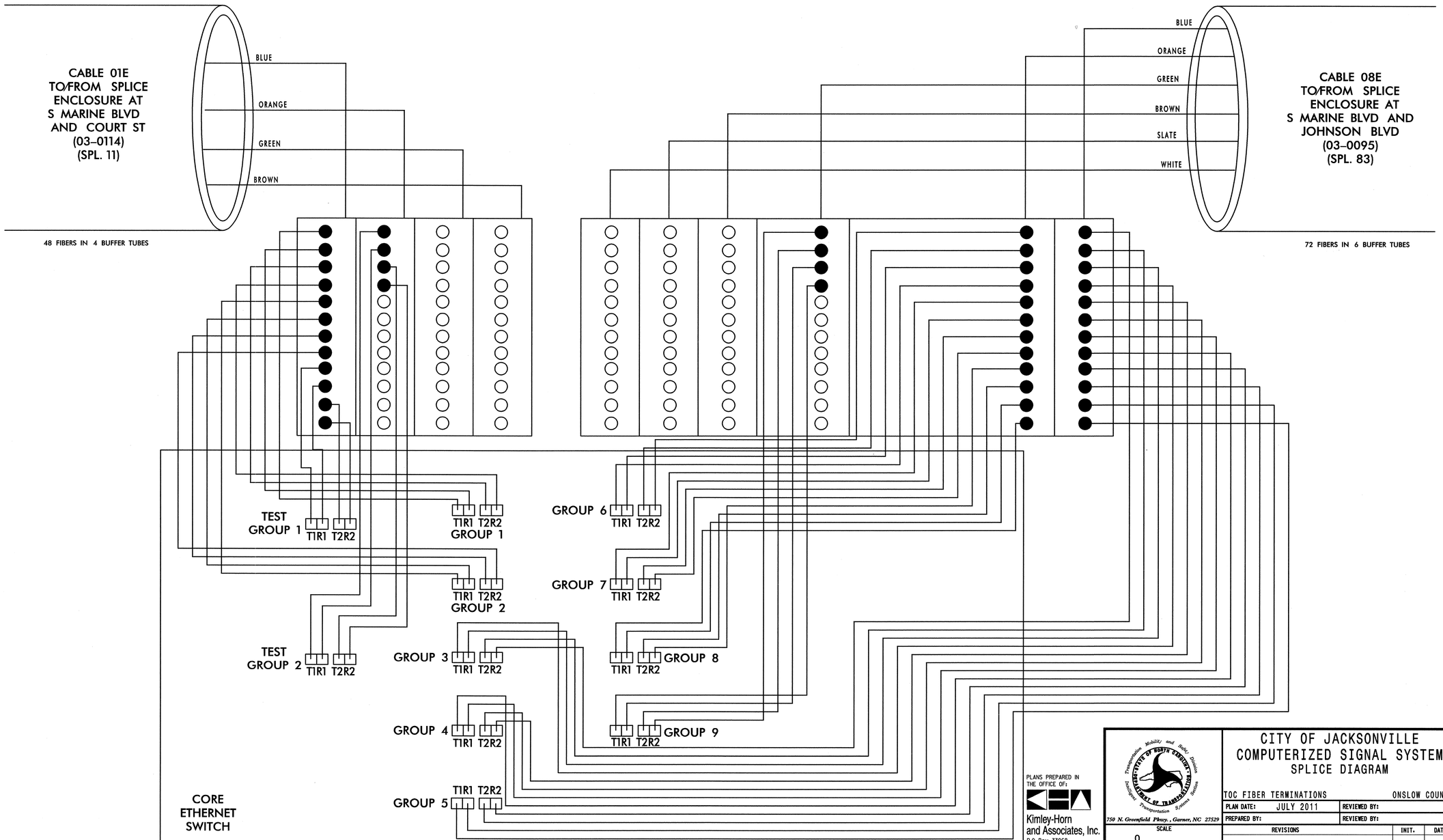
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

TOC FIBER TERMINATIONS — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

SIGNATURE — DATE 8/9/11

8/9/2011
_\SPLICING\jax_spl_093.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 94

CABLE 01E		BUFFER TUBE			
48 FIBERS		BLUE	ORANGE	GREEN	BROWN
FIBER	Blue	GROUP 1	TEST GROUP 2	SPARE	SPARE
	Orange	GROUP 1	TEST GROUP 2	SPARE	SPARE
	Green	GROUP 1	TEST GROUP 2	SPARE	SPARE
	Brown	GROUP 1	TEST GROUP 2	SPARE	SPARE
	Slate	GROUP 2	SPARE	SPARE	SPARE
	White	GROUP 2	SPARE	SPARE	SPARE
	Red	GROUP 2	SPARE	SPARE	SPARE
	Black	GROUP 2	SPARE	SPARE	SPARE
	Yellow	TEST GROUP 1	SPARE	SPARE	SPARE
	Violet	TEST GROUP 1	SPARE	SPARE	SPARE
	Rose	TEST GROUP 1	SPARE	SPARE	SPARE
	Aqua	TEST GROUP 1	SPARE	SPARE	SPARE

CABLE 08E		BUFFER TUBE					
72 FIBERS		BLUE	ORANGE	GREEN	BROWN	SLATE	WHITE
FIBER	Blue	GROUP 3	GROUP 6	GROUP 9	SPARE	SPARE	SPARE
	Orange	GROUP 3	GROUP 6	GROUP 9	SPARE	SPARE	SPARE
	Green	GROUP 3	GROUP 6	GROUP 9	SPARE	SPARE	SPARE
	Brown	GROUP 3	GROUP 6	GROUP 9	SPARE	SPARE	SPARE
	Slate	GROUP 4	GROUP 7	SPARE	SPARE	SPARE	SPARE
	White	GROUP 4	GROUP 7	SPARE	SPARE	SPARE	SPARE
	Red	GROUP 4	GROUP 7	SPARE	SPARE	SPARE	SPARE
	Black	GROUP 4	GROUP 7	SPARE	SPARE	SPARE	SPARE
	Yellow	GROUP 5	GROUP 8	SPARE	SPARE	SPARE	SPARE
	Violet	GROUP 5	GROUP 8	SPARE	SPARE	SPARE	SPARE
	Rose	GROUP 5	GROUP 8	SPARE	SPARE	SPARE	SPARE
	Aqua	GROUP 5	GROUP 8	SPARE	SPARE	SPARE	SPARE

7/20/2011
...\SPLICING\Jax_spl_094.dgn

PLANS PREPARED IN THE OFFICE OF:
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Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

FIBER ALLOCATION TABLE — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:	
PREPARED BY:	REVIEWED BY:	

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031558 NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 95

SPLICE ENCLOSURE 1
ON RICHLANDS HWY
SOUTH OF PONY FARM RD

LEGEND

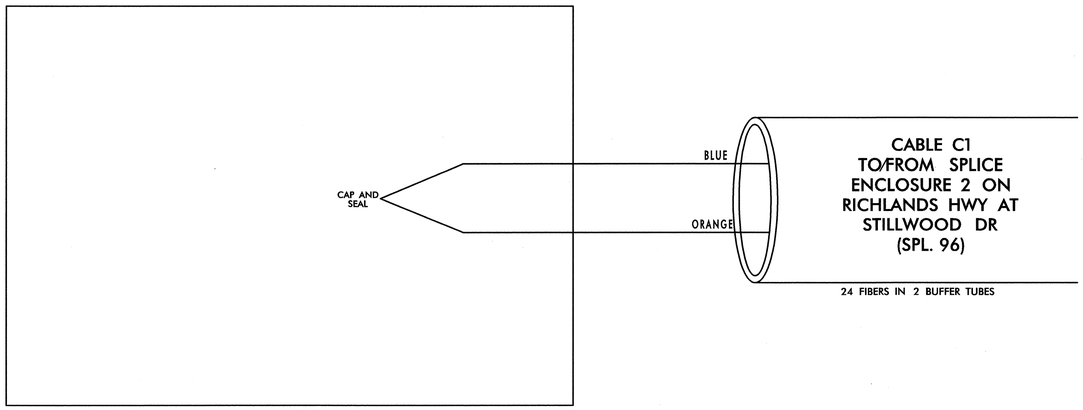
COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



7/20/2011
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PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNICHOLAS

7.20.2011
SIGNATURE DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 96

SPLICE ENCLOSURE 2 ON RICHLANDS HWY. AT STILLWOOD DR

LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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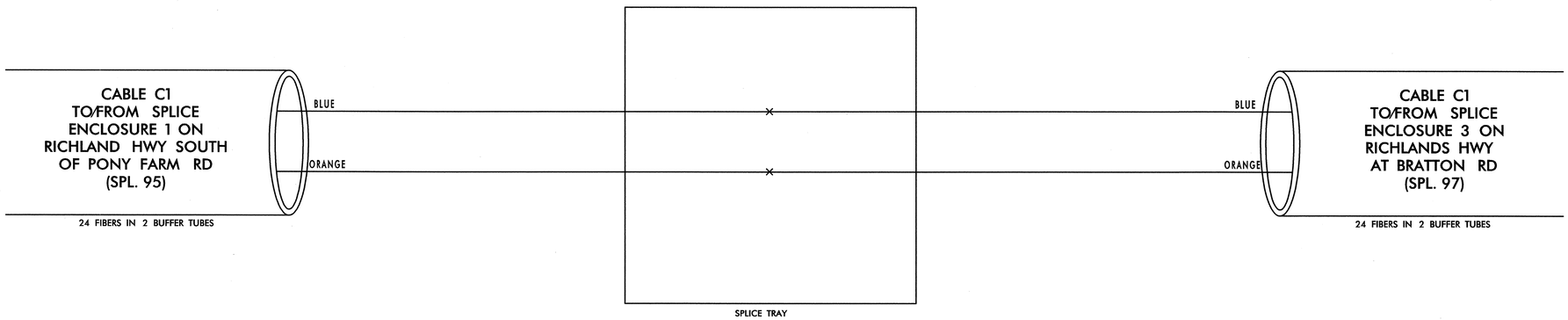
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



7/20/2011
...\SPLICING\ox_spl_096.dgn

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
Traffic Engineering Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY	ONSLOW COUNTY
PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 97

SPLICE ENCLOSURE 3 ON RICHLANDS HWY AT BRATTON RD

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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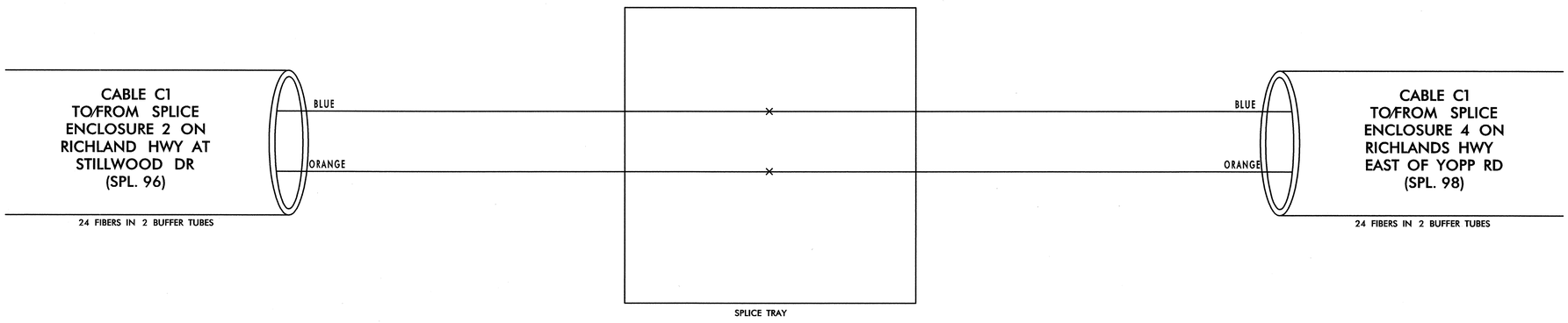
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_097.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 98

SPLICE ENCLOSURE 4 ON RICHLANDS HWY EAST OF YOPP RD

LEGEND

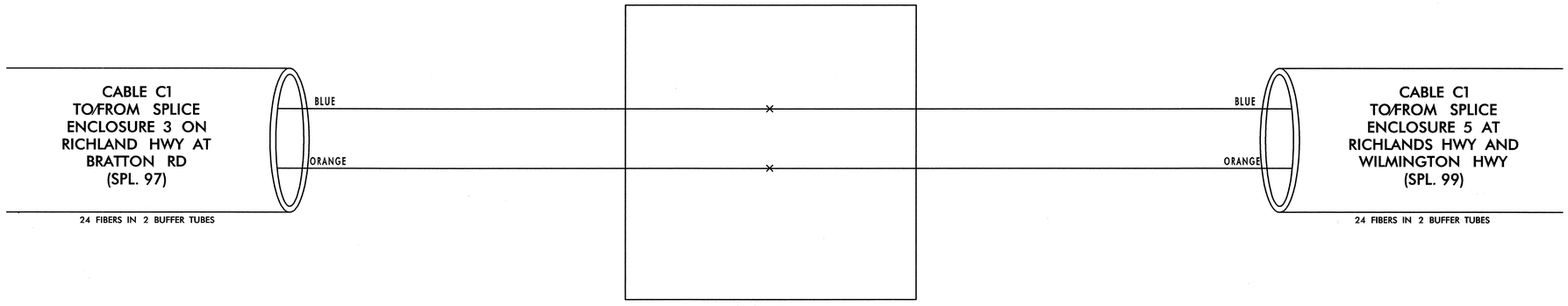
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Integrated Mobility Division
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MATTHEW M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_098.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 99

SPLICE ENCLOSURE 5 AT RICHLANDS HWY AND WILMINGTON HWY

LEGEND

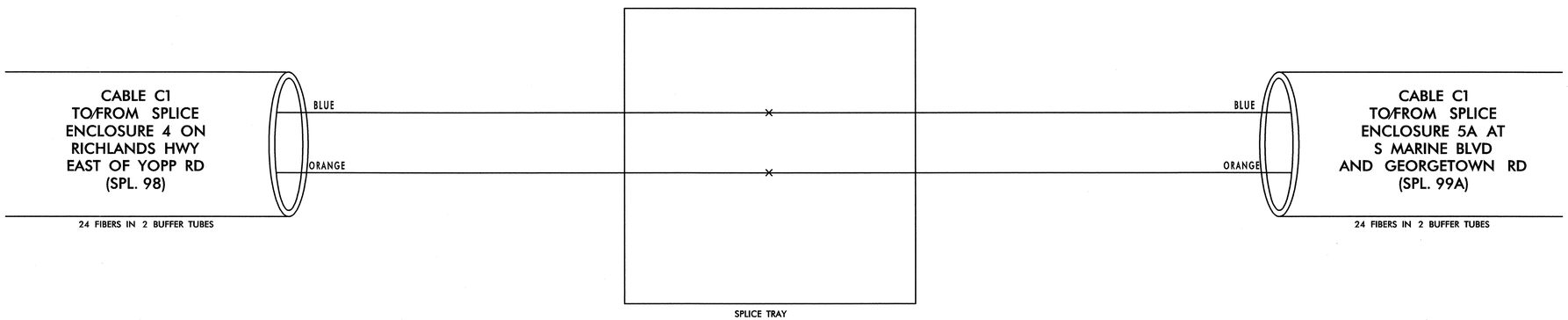
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

759 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCMAGHON

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 99A

SPLICE ENCLOSURE 5A AT S MARINE BLVD AND GEORGETOWN RD

LEGEND

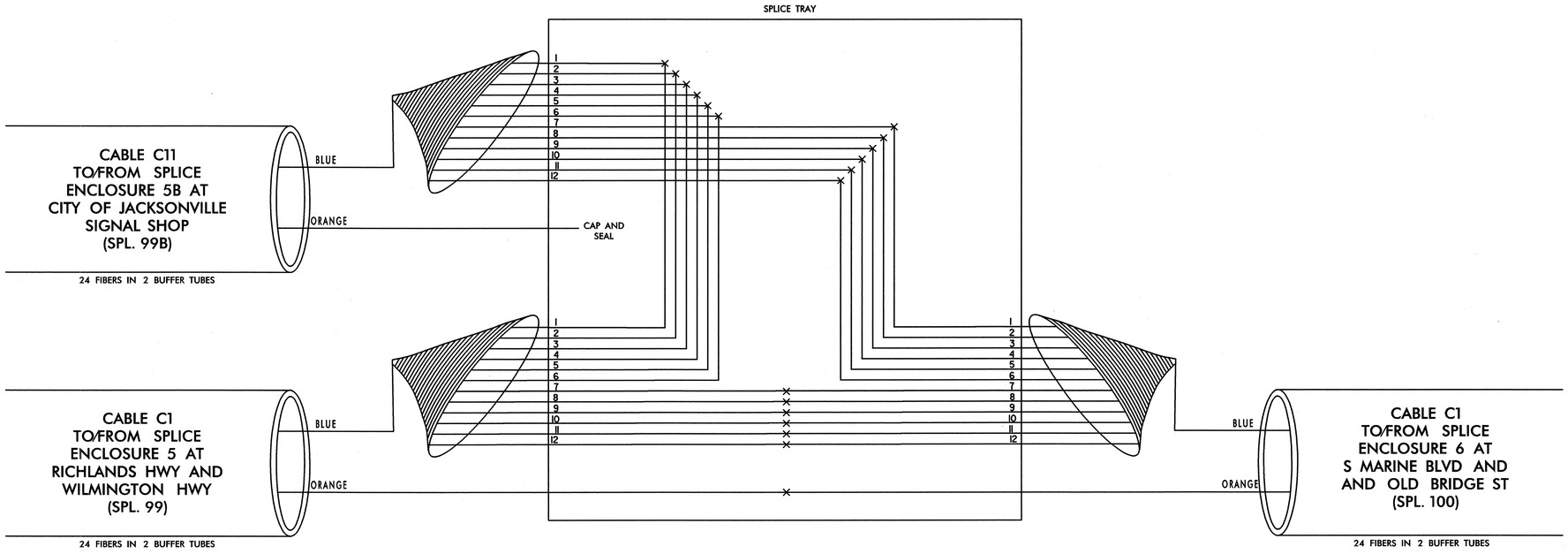
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

PLANS PREPARED IN THE OFFICE OF:

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Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Statewide Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY: ONSLOW COUNTY

PLAN DATE: JULY 2011 | REVIEWED BY:

PREPARED BY: | REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 99B

SPLICE ENCLOSURE 5B
AT CITY OF JACKSONVILLE
SIGNAL SHOP

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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X - FUSION SPLICE INDIVIDUAL FIBER

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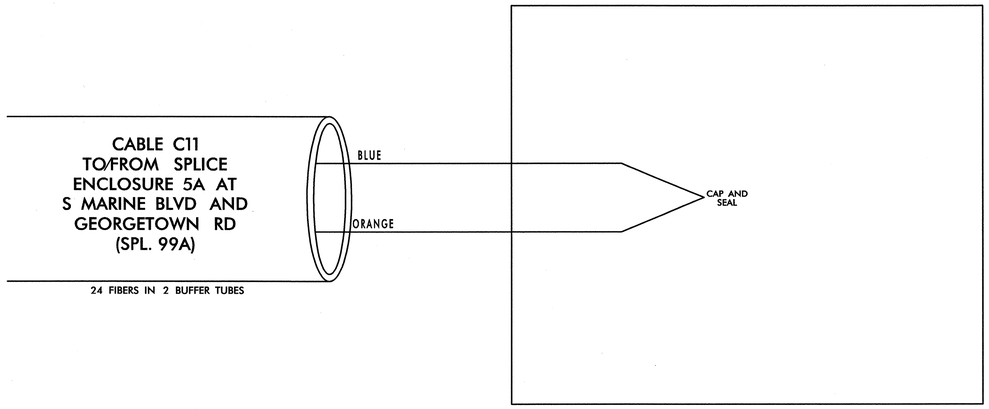

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(919) 677-2000

NCDOT Transportation Mobility and Rail Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNGKOCH

SIGNATURE 7.20.2011 DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 100

SPLICE ENCLOSURE 6 AT S MARINE BLVD AND OLD BRIDGE ST

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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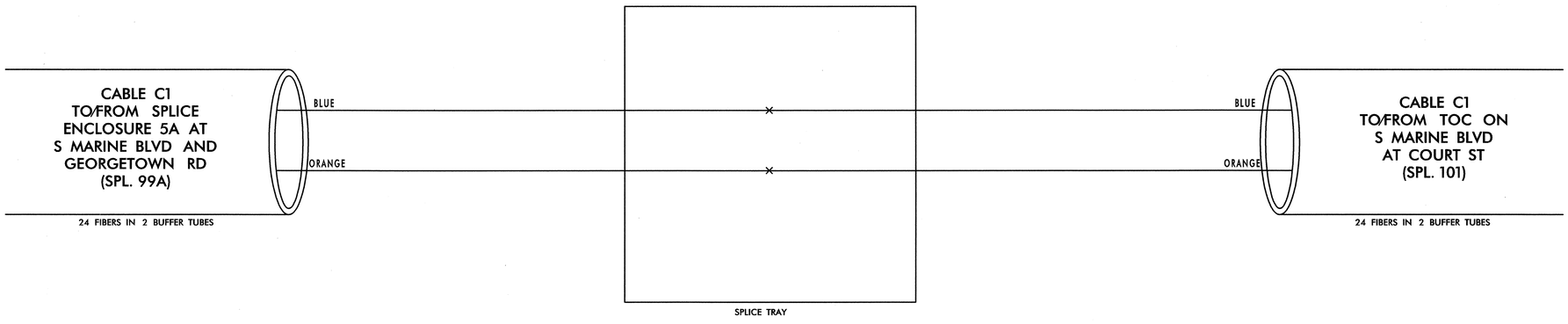
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031558 NATALIE M. SMISZ MENGELKOCH

SIGNATURE 7/20/2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 101

TOC ON S MARINE BLVD AT COURT ST

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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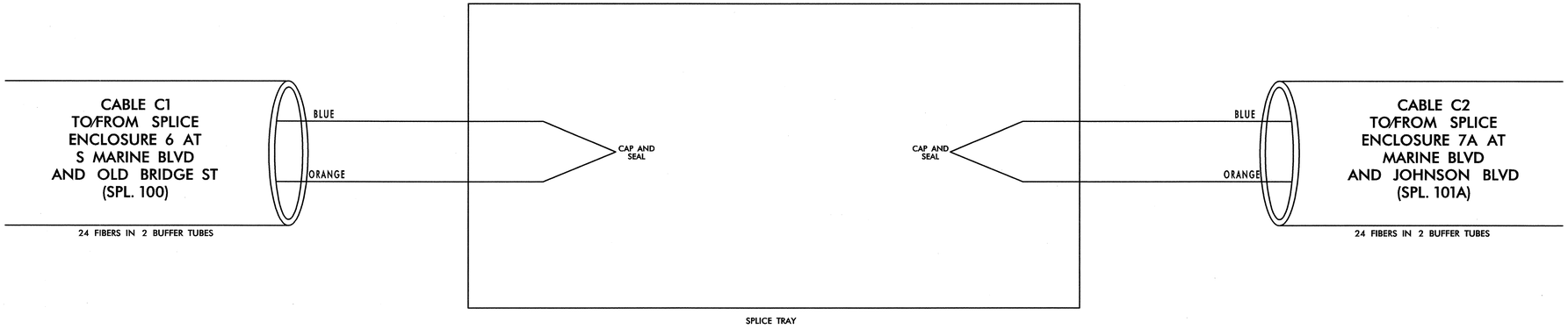

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Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
Traffic Engineering Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 101A

SPLICE ENCLOSURE 7A AT MARINE BLVD AND JOHNSON BLVD

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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X - FUSION SPLICE INDIVIDUAL FIBER

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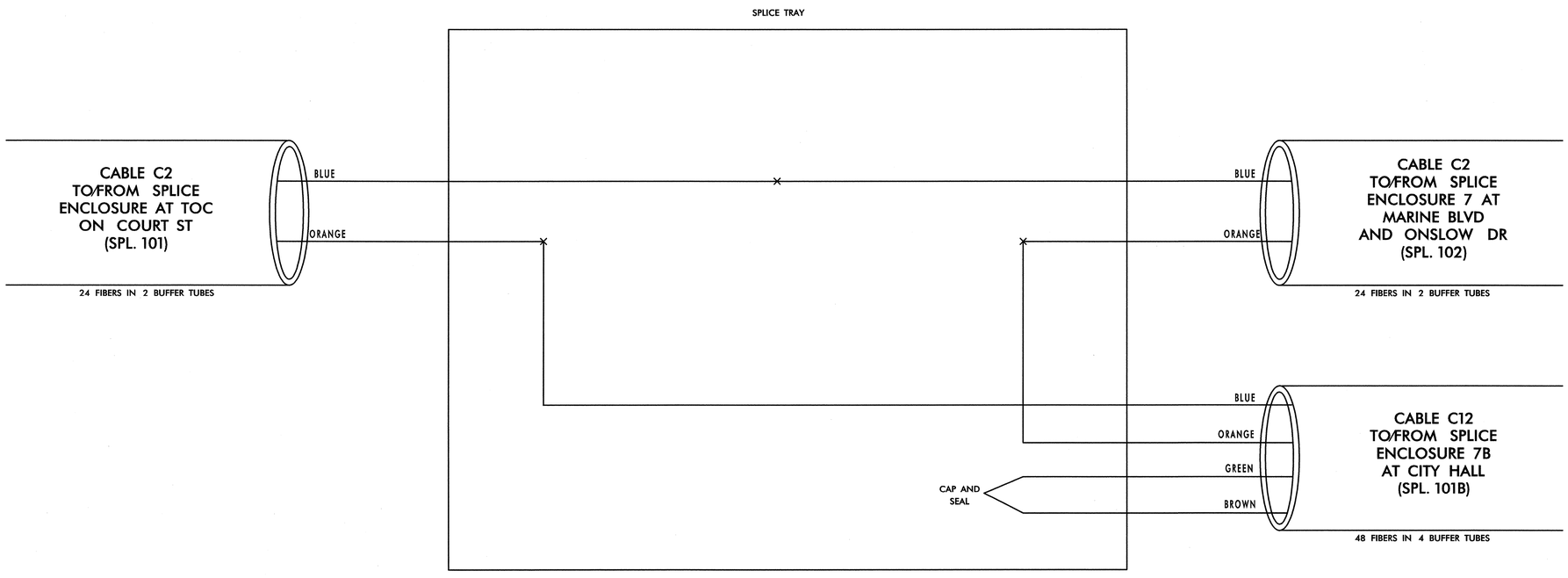

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(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 101B

SPLICE ENCLOSURE 7B AT CITY HALL

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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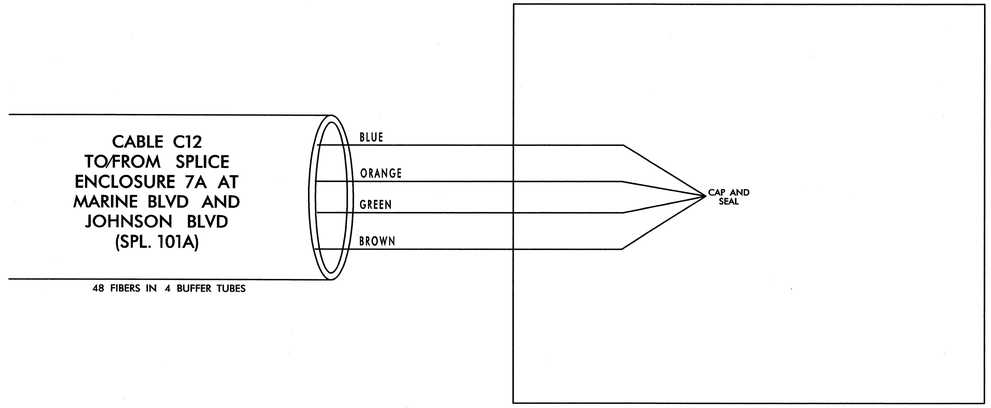
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE W. SMISZ MENGELOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 102

SPLICE ENCLOSURE 7 AT MARINE BLVD AND ONSLOW DR

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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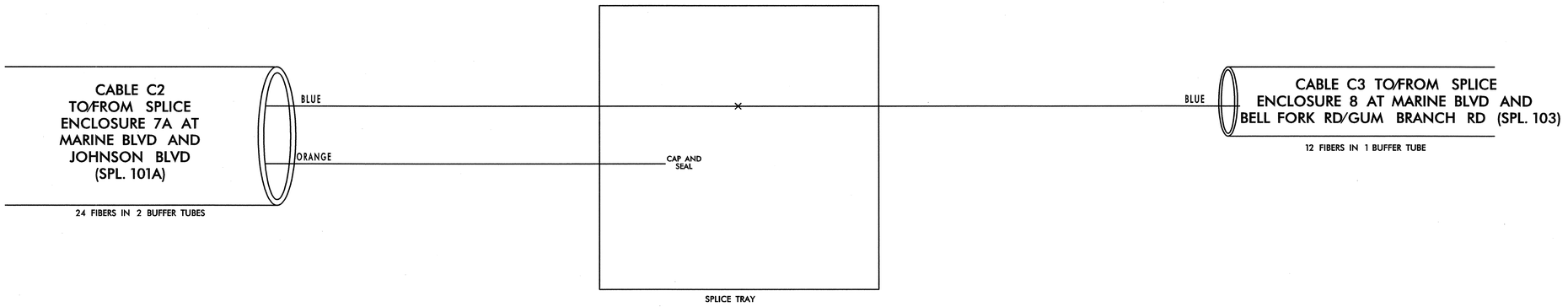
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

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P.O. Box 33068
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(919) 677-2000

Transportation Mobility and Safety Division
Traffic Engineering Branch
Traffic Signal Section
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM

SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
...\SPLICING\jax_spl_102.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 103

SPLICE ENCLOSURE 8 AT MARINE BLVD AND BELL FORK RD/ GUMBRANCH RD

LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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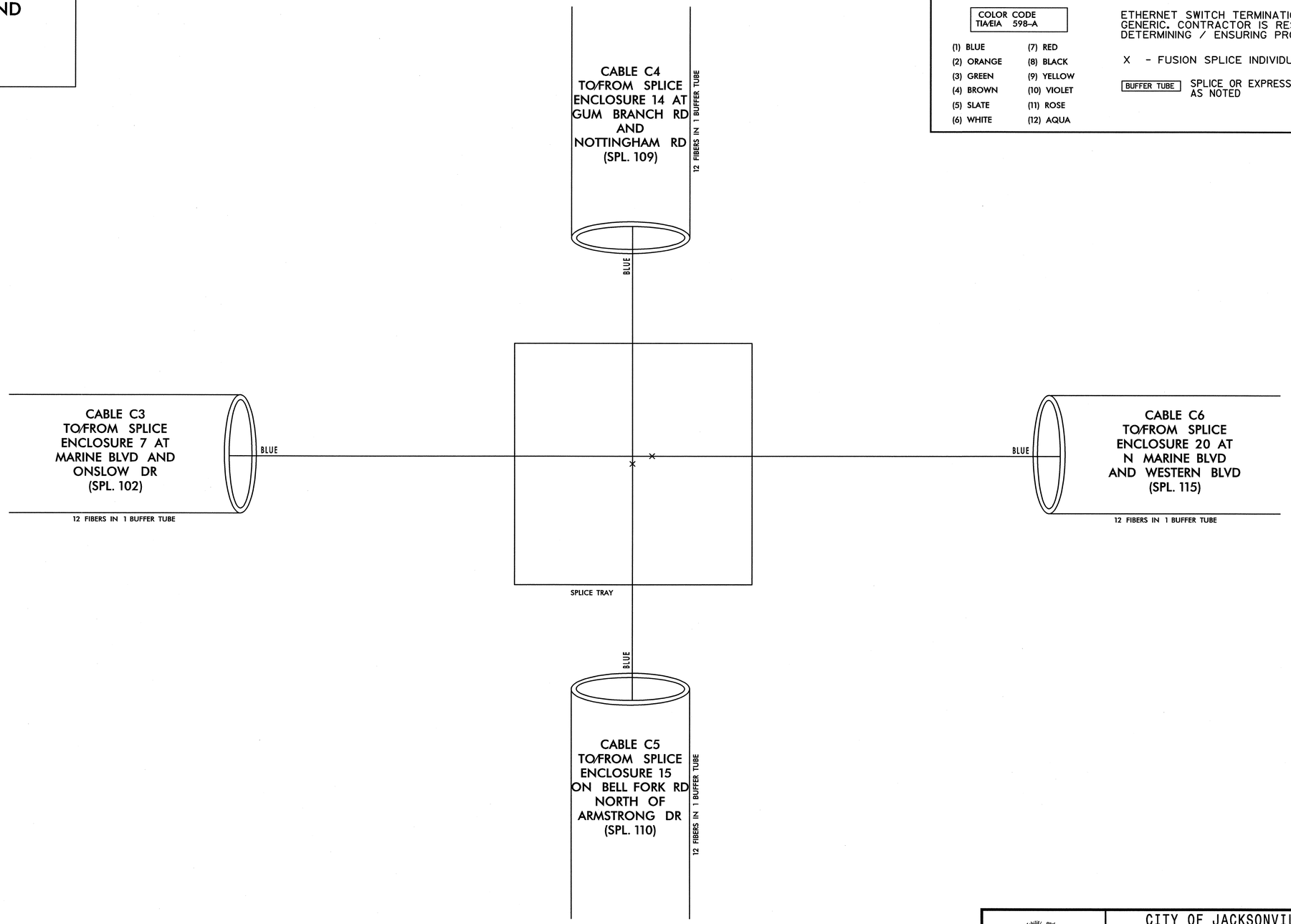
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNELLY

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 104

SPLICE ENCLOSURE 9 AT GUM BRANCH RD AND RAMSEY RD

LEGEND

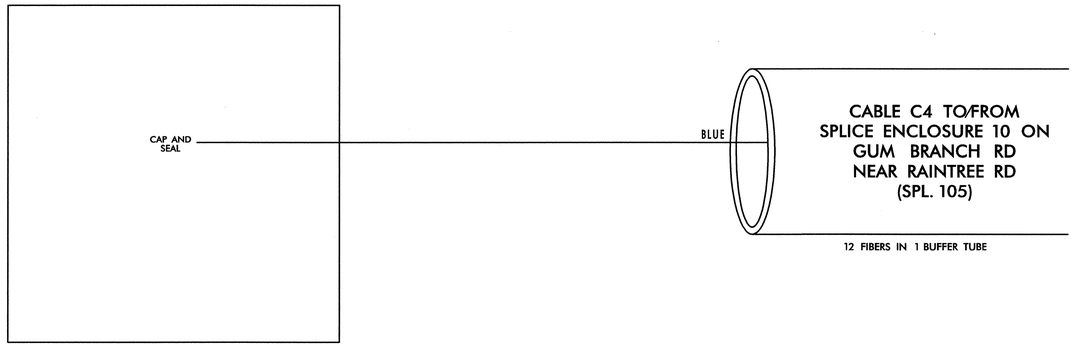
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



7/20/2011
...\SPLICING\jax_spl_104.dgn

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P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division
Traffic Engineering Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Traffic Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGLOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 105

SPLICE ENCLOSURE 10 ON GUM BRANCH RD NEAR RAINTREE RD

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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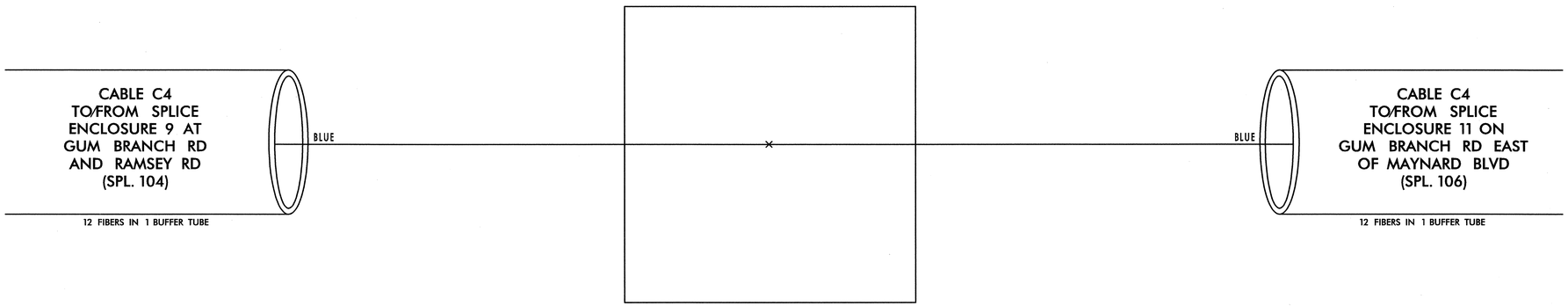
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Transportation Mobility and Safety Division
Traffic Engineering Branch
Traffic Management Systems Section
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY: ONSLOW COUNTY

PLAN DATE: JULY 2011 | REVIEWED BY:

PREPARED BY: | REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MCNEILLTOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 106

SPLICE ENCLOSURE 11
ON GUM BRANCH RD
EAST OF MAYNARD BLVD

LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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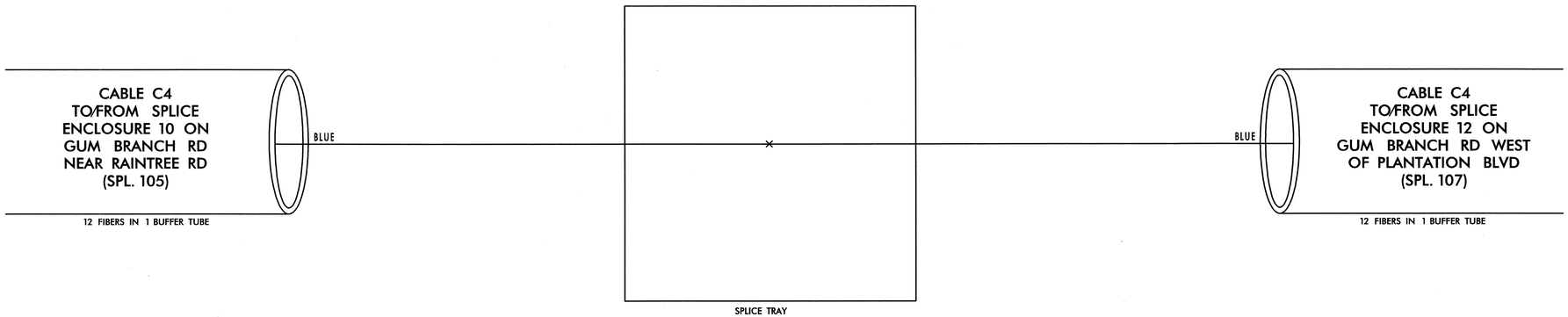
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Raleigh N.C. 27636-3068
(919) 677-2000

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY	ONSLOW COUNTY
PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE N. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 107

SPLICE ENCLOSURE 12 ON GUM BRANCH RD WEST OF PLANTATION BLVD

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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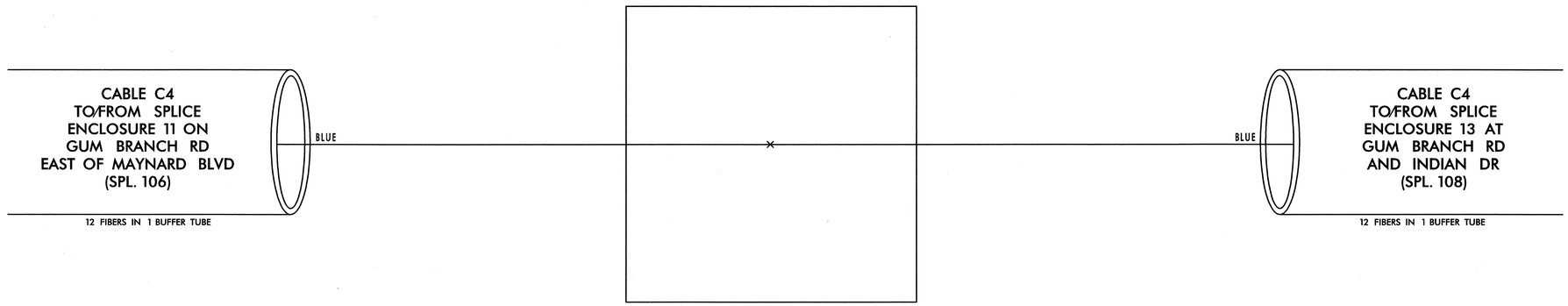
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

Transportation Mobility and Safety Division — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
...\SPLICING\jax_spl_107.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 108

SPLICE ENCLOSURE 13 AT GUM BRANCH RD AND INDIAN DR

LEGEND

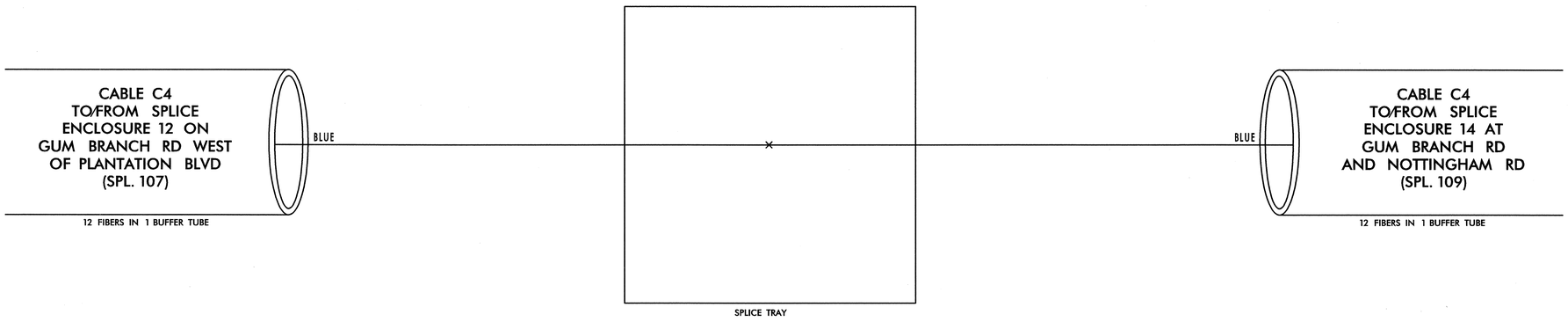
COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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(919) 677-2000

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
_\SPLICING\jax_spl_108.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 109

SPLICE ENCLOSURE 14 AT GUM BRANCH RD AND NOTTINGHAM RD

LEGEND

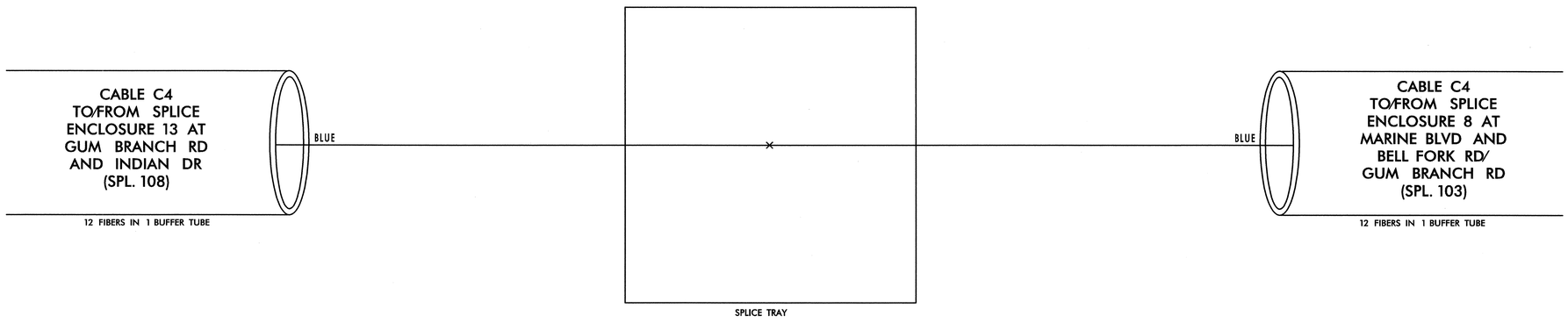
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MATTHEW M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 110

SPLICE ENCLOSURE 15 ON BELL FORK RD NORTH OF ARMSTRONG DR

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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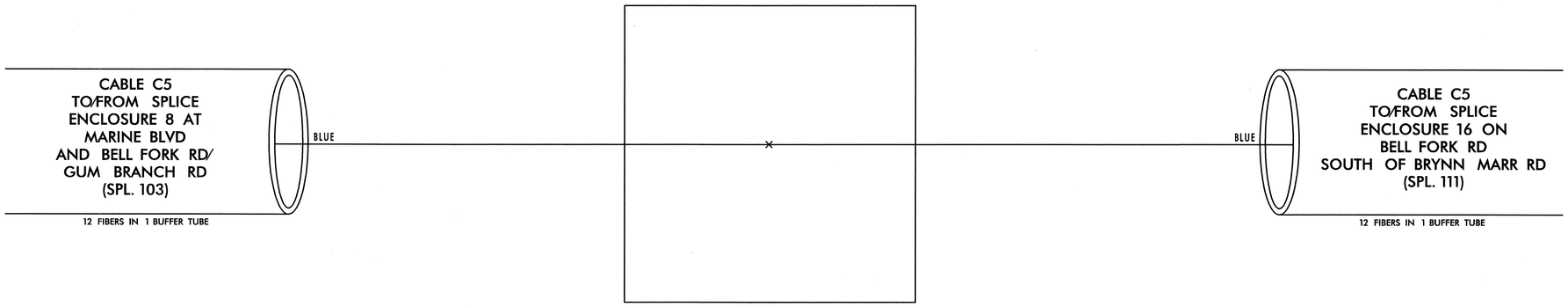
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 111

SPLICE ENCLOSURE 16
ON BELL FORK RD
SOUTH OF BRYNN MARR RD

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

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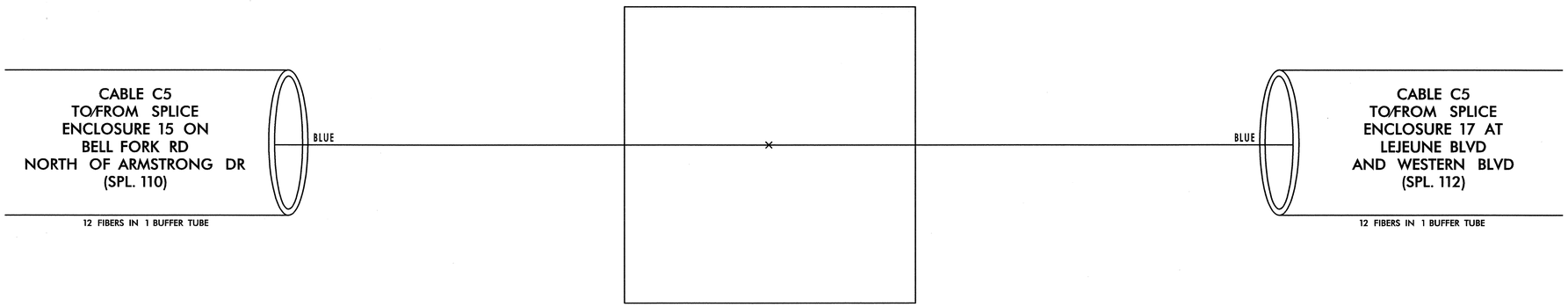

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Transportation Mobility and Safety Division
Traffic Engineering Branch
Signals Section
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE W. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 112

SPLICE ENCLOSURE 17 AT LEJEUNE BLVD AND WESTERN BLVD

LEGEND

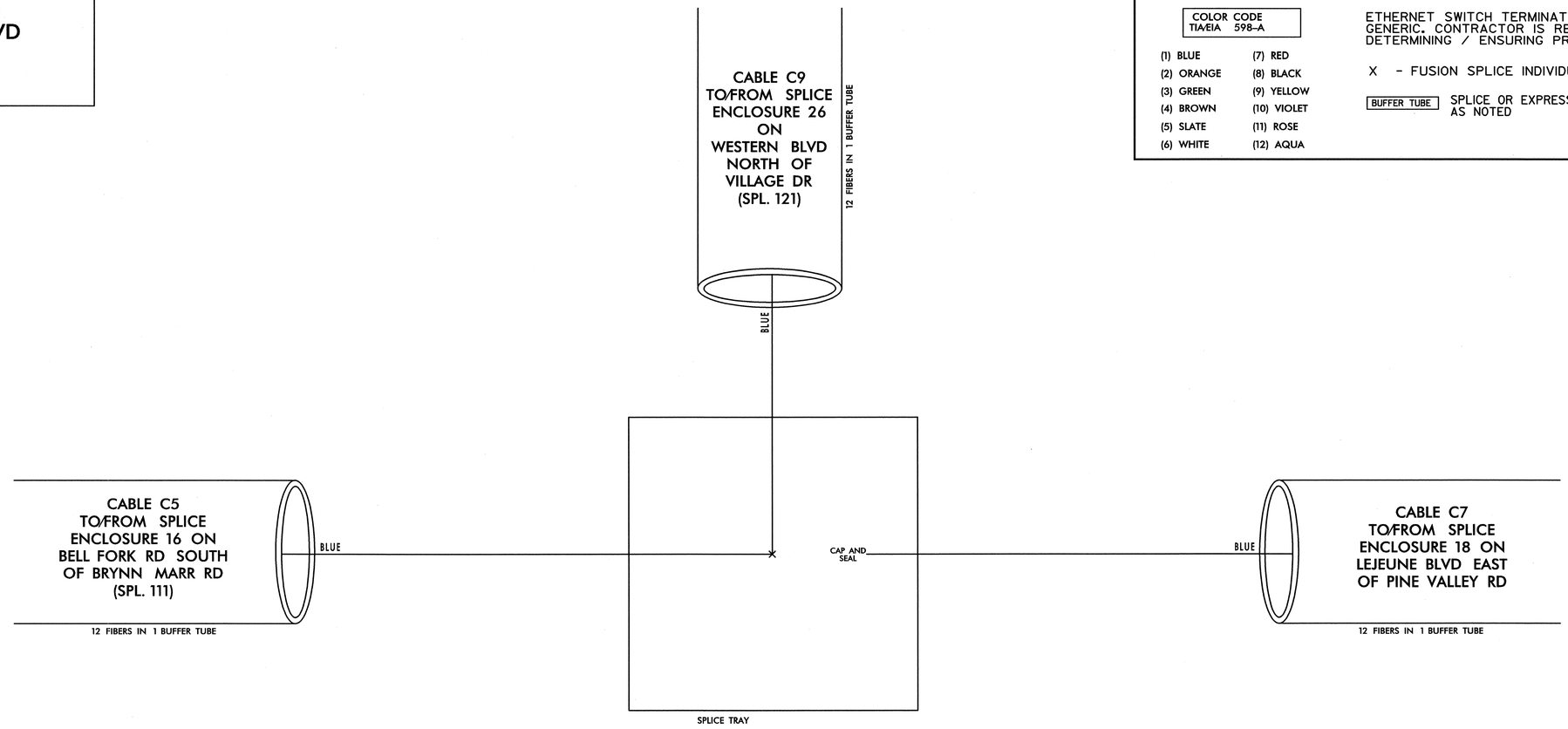
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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(919) 677-2000

Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MCNGGLOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 113

SPLICE ENCLOSURE 18
ON LEJEUNE BLVD
EAST OF PINE VALLEY RD

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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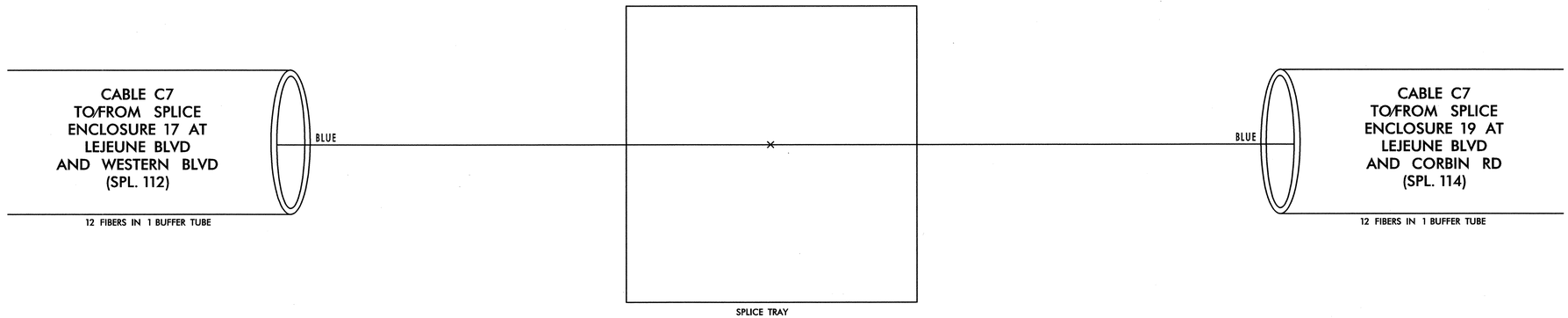
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Traffic Engineering Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY: ONSLOW COUNTY

PLAN DATE: JULY 2011 | REVIEWED BY:

PREPARED BY: | REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE N. SMISZ MCNAMARA

SIGNATURE 7.20.2011 DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 114

SPLICE ENCLOSURE 19 AT LEJEUNE BLVD AND CORBIN RD

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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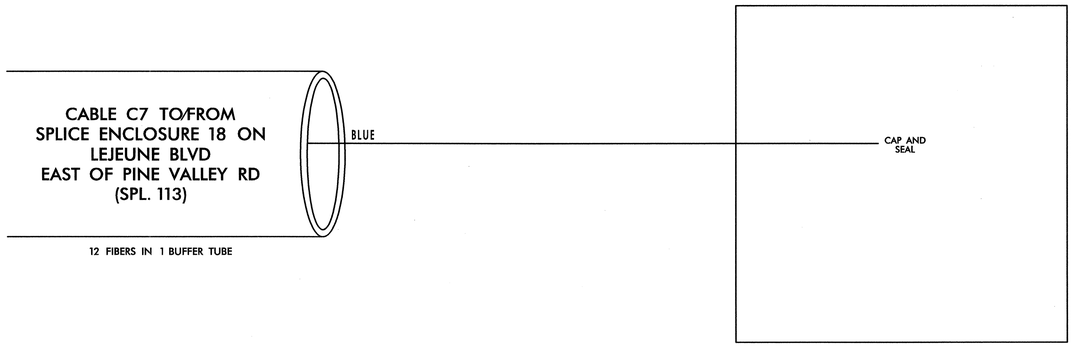
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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STATE OF NORTH CAROLINA
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Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 115

SPLICE ENCLOSURE 20 AT N MARINE BLVD AND WESTERN BLVD

LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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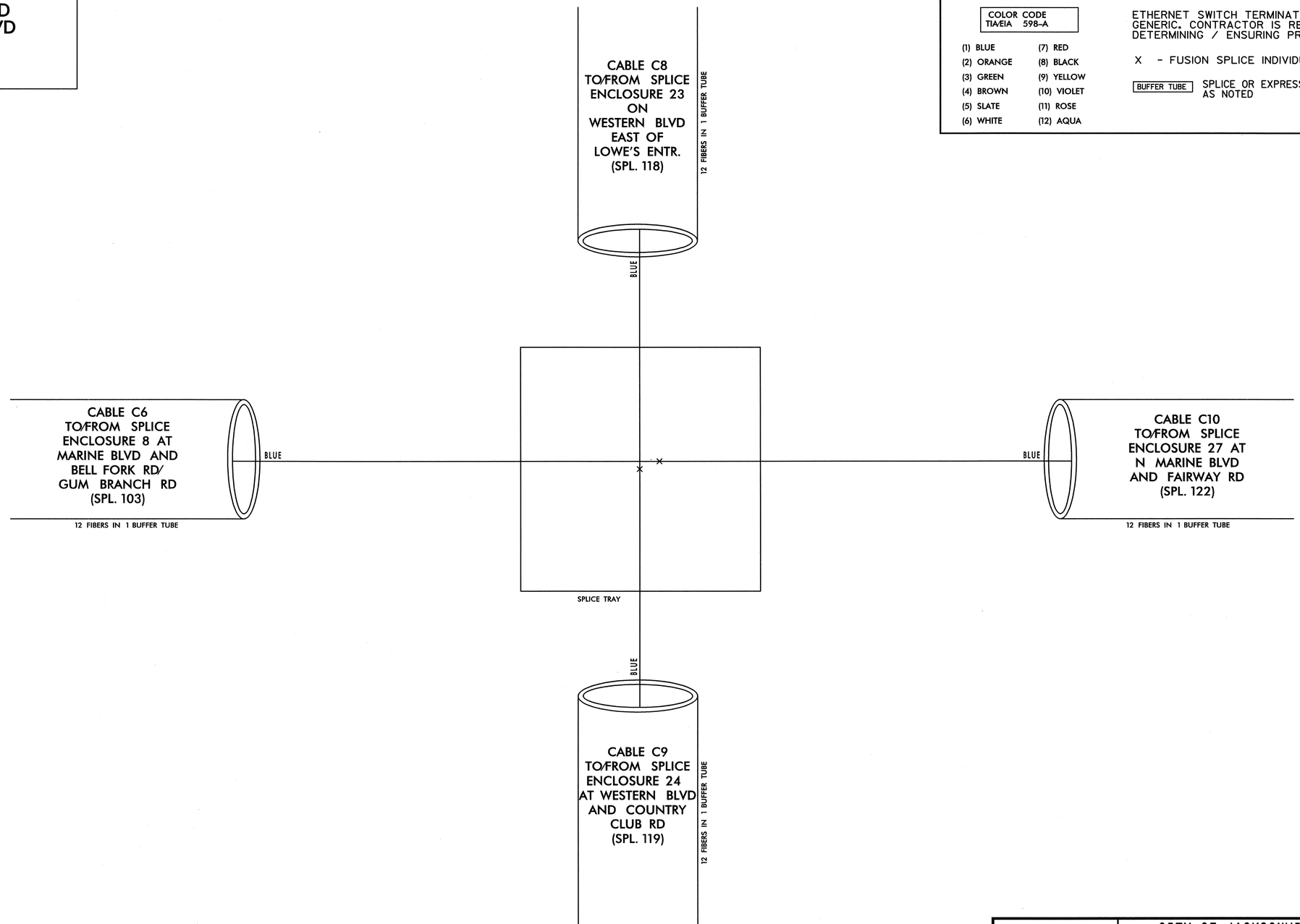
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY	ONSLOW COUNTY
PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMISZ MCMILLAN

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 116

SPLICE ENCLOSURE 21 AT WESTERN BLVD AND CAROLINA FOREST BLVD

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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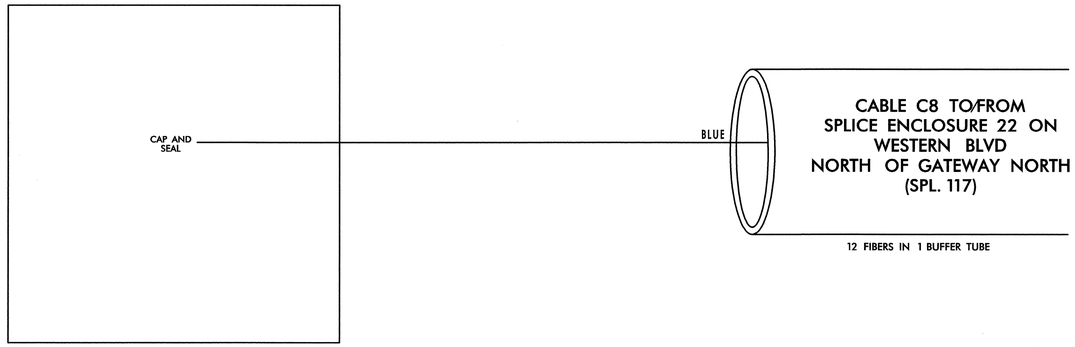
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 117

SPLICE ENCLOSURE 22 ON WESTERN BLVD NORTH OF GATEWAY NORTH

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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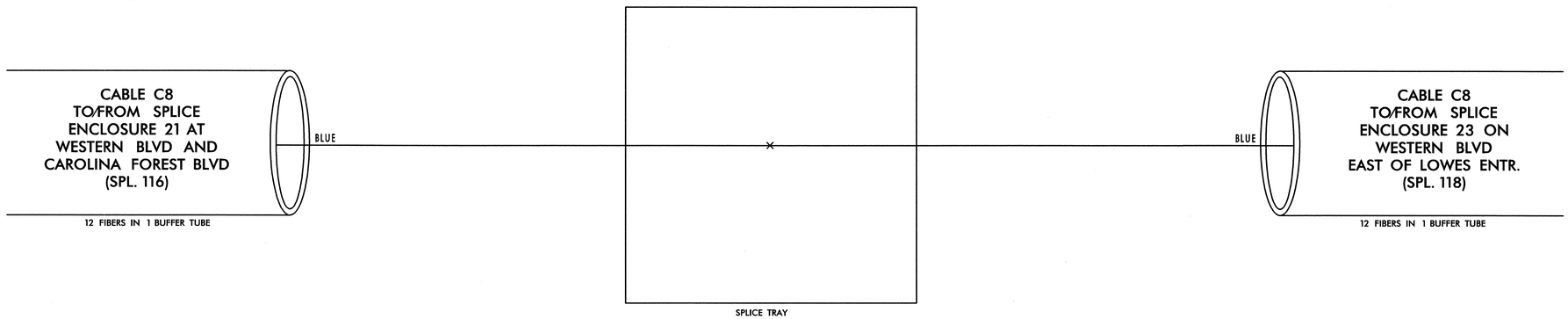
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 118

SPLICE ENCLOSURE 23 ON WESTERN BLVD EAST OF LOWES ENTR.

LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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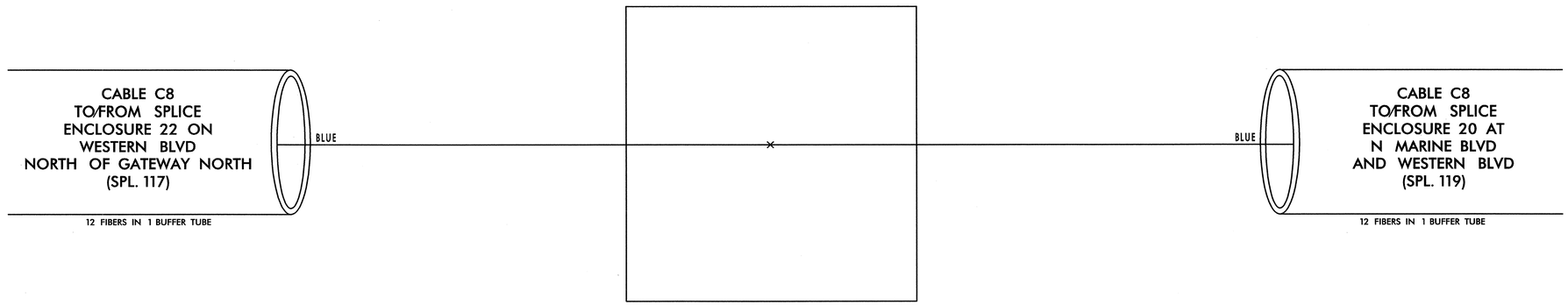
BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

759 N. Greenfield Pkwy., Garner, NC 27529

SCALE

0

NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY: ONSLOW COUNTY

PLAN DATE: JULY 2011 — REVIEWED BY:

PREPARED BY: — REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MCINGLOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 119

SPLICE ENCLOSURE 24 AT WESTERN BLVD AND COUNTRY CLUB RD

LEGEND

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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X - FUSION SPLICE INDIVIDUAL FIBER

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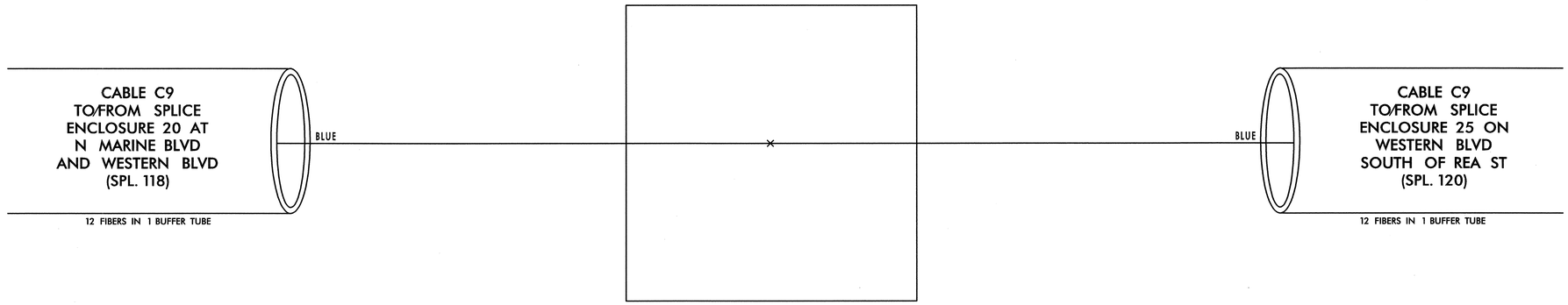

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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGLOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 120

SPLICE ENCLOSURE 25 ON WESTERN BLVD SOUTH OF REA ST

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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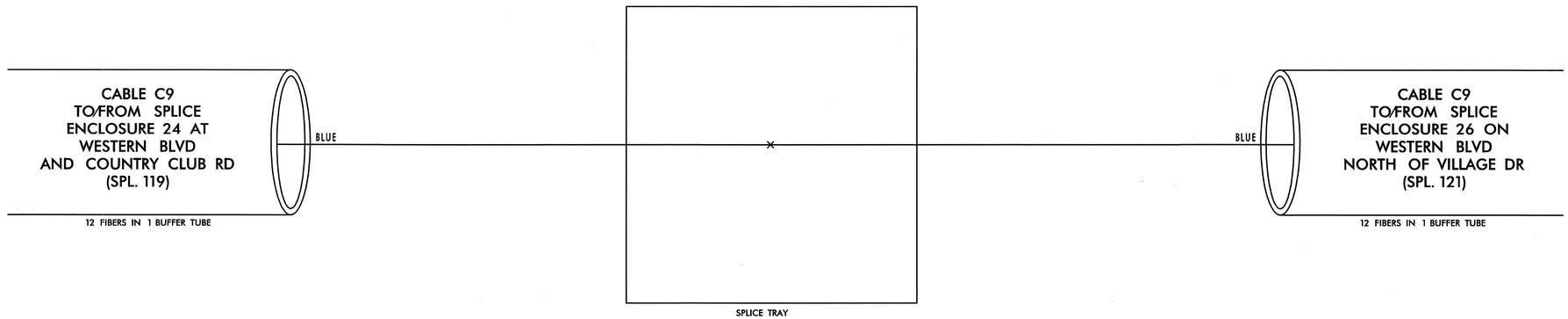

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Raleigh N.C. 27636-3068
(919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE

0

NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY	ONSLOW COUNTY
PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ, MENGLOCH

SIGNATURE 7.20.2011 DATE

7/20/2011
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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 121

SPLICE ENCLOSURE 26 ON WESTERN BLVD NORTH OF VILLAGE DR

LEGEND

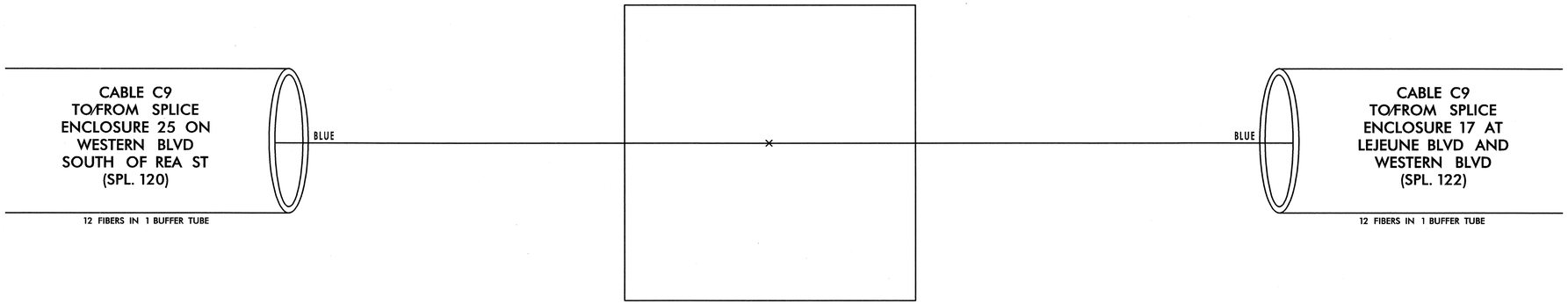
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY — ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE — DATE 7.20.2011

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 122

SPLICE ENCLOSURE 27 ON N MARINE BLVD AND FAIRWAY RD

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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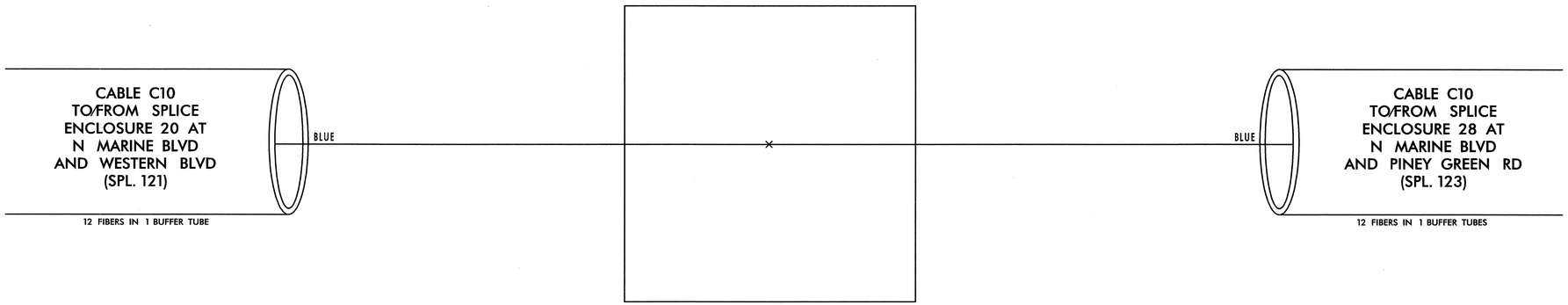
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 123

SPLICE ENCLOSURE 28 ON N MARINE BLVD AND PINEY GREEN RD

LEGEND

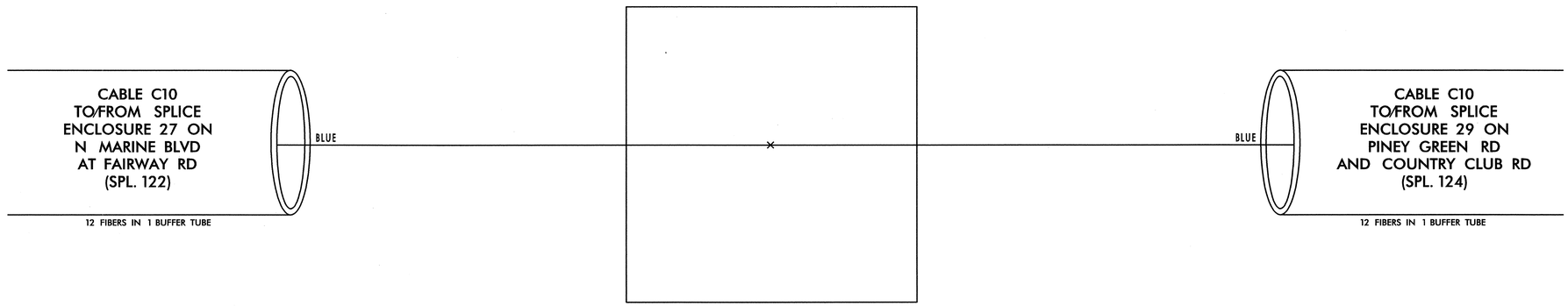
COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 124

SPLICE ENCLOSURE 29 ON PINEY GREEN RD AND COUNTRY CLUB RD

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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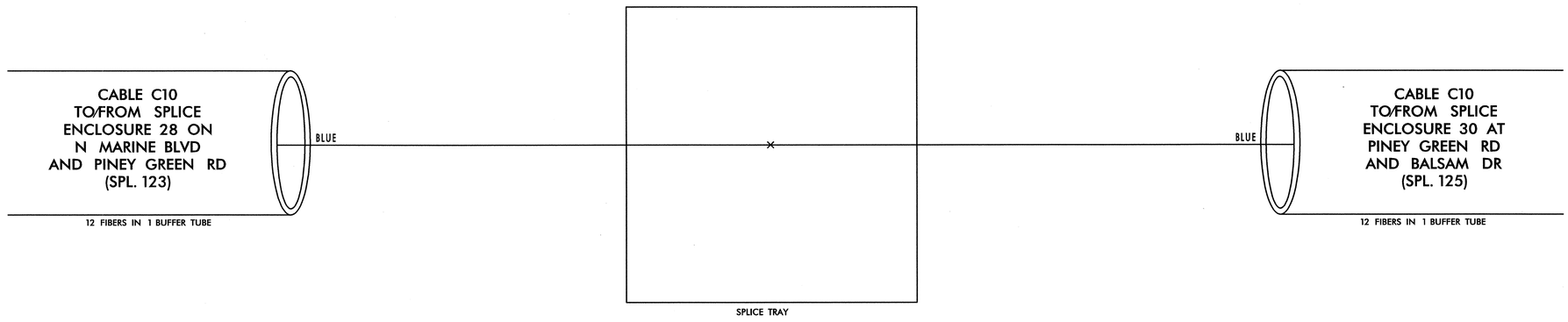
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Intelligent Transportation Systems Section
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SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 125

SPLICE ENCLOSURE 30 AT PINEY GREEN RD AND BALSAM RD

LEGEND

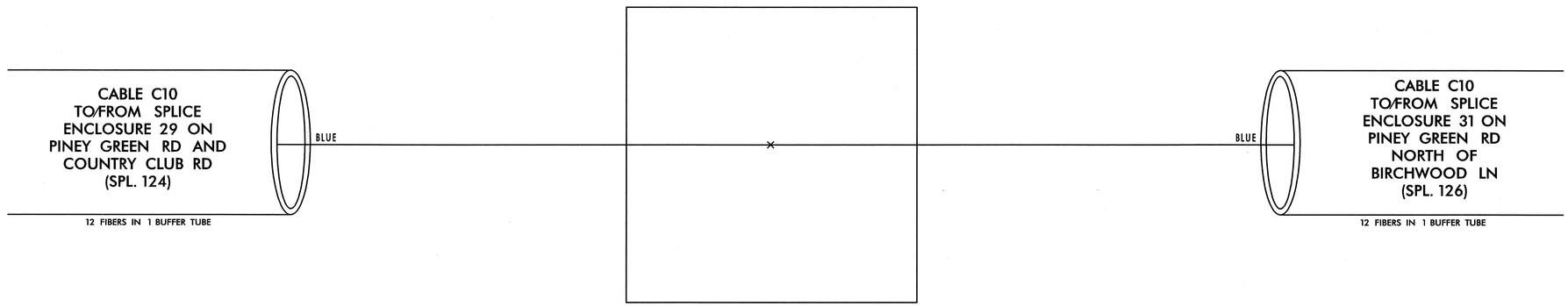
COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Intelligent Transportation Systems Section
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SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
PREPARED BY:	REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 126

SPLICE ENCLOSURE 31 ON PINEY GREEN RD NORTH OF BIRCHWOOD LN

LEGEND

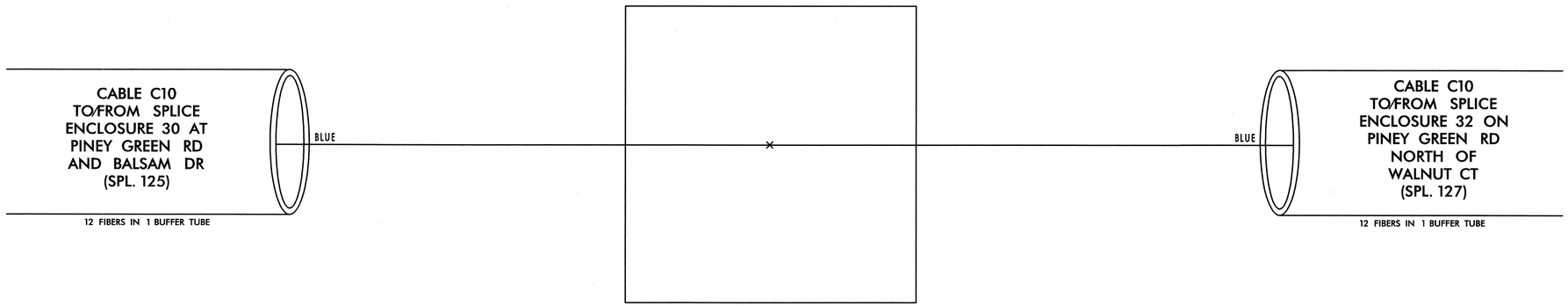
COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

PREPARED BY: REVIEWED BY:

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER MATTHEW W. SMUSZ MENGELKOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 127

SPLICE ENCLOSURE 32 ON PINEY GREEN RD NORTH OF WALNUT CT

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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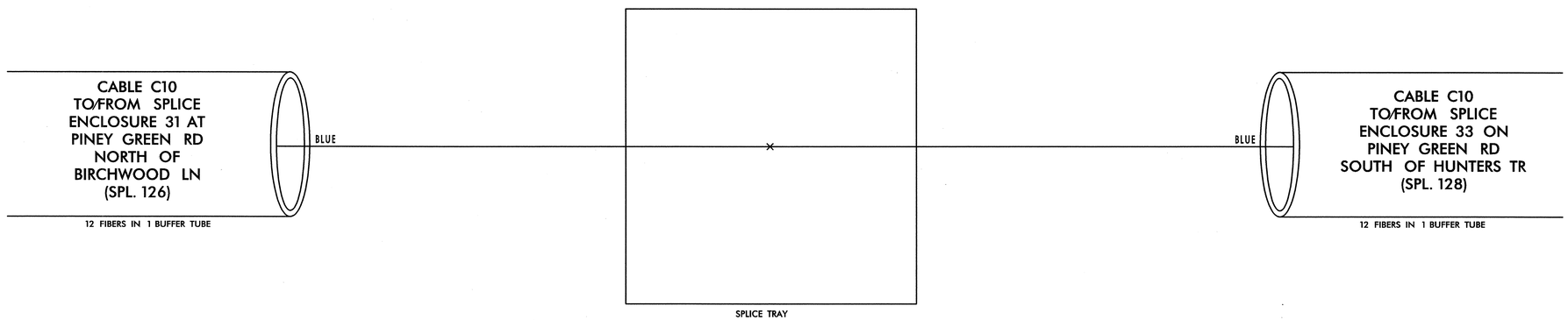
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
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REVISIONS	INIT.	DATE

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SIGNATURE 7.20.2011 DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 128

SPLICE ENCLOSURE 33 ON PINEY GREEN RD SOUTH OF HUNTERS TR

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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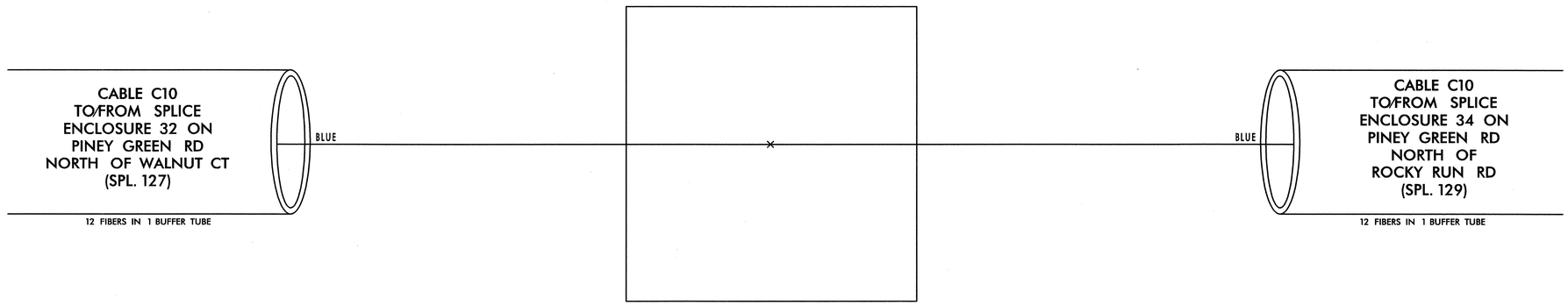

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0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011	REVIEWED BY:
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REVISIONS	INIT.	DATE

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SIGNATURE 7.20.2011 DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 129

SPLICE ENCLOSURE 34 ON PINEY GREEN RD NORTH OF ROCKY RUN RD

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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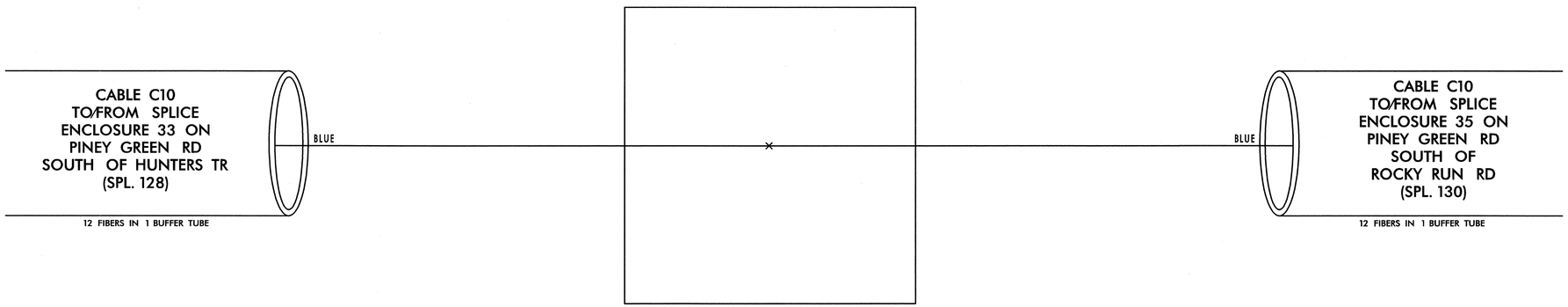
X - FUSION SPLICE INDIVIDUAL FIBER

BUFFER TUBE SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED



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SCALE
0
NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

PLAN DATE: JULY 2011 REVIEWED BY:

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REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGLOCH

SIGNATURE 7.20.2011 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 130

SPLICE ENCLOSURE 35 ON PINEY GREEN RD SOUTH OF ROCKY RUN RD

LEGEND

COLOR CODE
TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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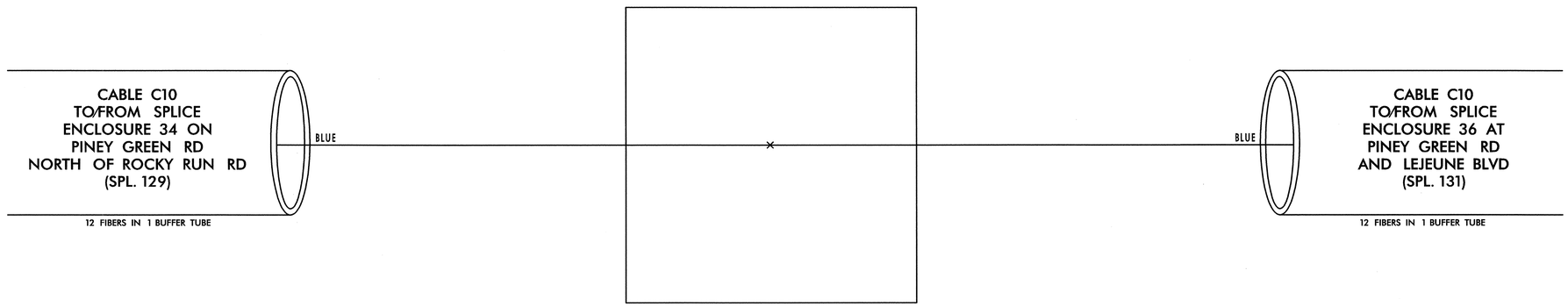

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SCALE
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NONE

CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

CITY ONSLOW COUNTY

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REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 031558 ENGINEER NATALIE M. SMUSZ MENGELKOCH

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PROJECT REFERENCE NO.	SHEET NO.
U-5168	SPL. 131

SPLICE ENCLOSURE 36 AT PINEY GREEN RD AND LEJEUNE BLVD

LEGEND

COLOR CODE TIA/EIA 598-A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
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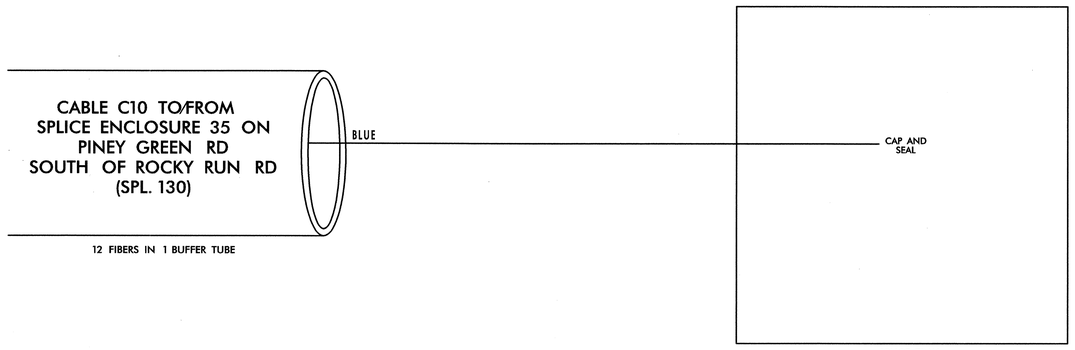

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SCALE
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CITY OF JACKSONVILLE
COMPUTERIZED SIGNAL SYSTEM
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CITY ONSLOW COUNTY

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