STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4704	1	

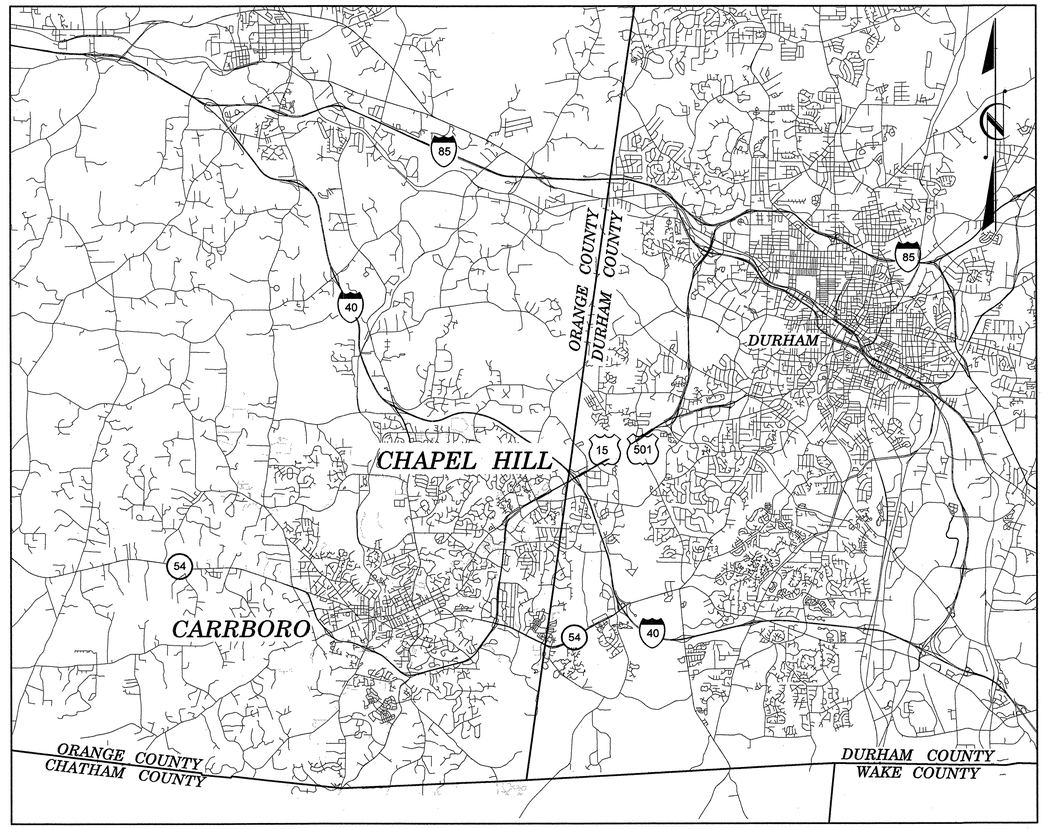
39068.1.1		P.E.
39068.3.ST1	STM-0703(14)	CONSTR.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED IMPROVEMENTS

CHAPEL HILL / CARRBORO

COMPUTERIZED TRAFFIC SIGNAL SYSTEM



TIP PROJECT: U-4704

CONTRACT: C202083

VOLUME 2 OF 3

PLANS PREPARED BY:

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

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.4.08 DATE

12/4/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	1A

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED IMPROVEMENTS

CHAPEL HILL / CARRBORO

COMPUTERIZED TRAFFIC SIGNAL SYSTEM

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

EXPRESS | SPLICE — SPLICE OR EXPRESS ENTIRE BUFFER TUBE AS NOTED

X — FUSION SPLICE INDIVIDUAL FIBER

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
1A	INDEX OF SHEETS
2-2E	CABLE SCHEMATICS
SPL. 1 - SPL. 132	SPLICE DIAGRAMS
SPL. 133 - SPL. 135	TRAFFIC OPERATIONS CENTER FIBER ALLOCATION TABLES

NOTES:

1. PATCH PANELS AND EQUIPMENT CONNECTIONS ARE SCHEMATIC FOR DIAGRAMATIC PURPOSES. ACTUAL EQUIPMENT SELECTED FOR PROJECT MAY HAVE DIFFERENT NUMBER OF PORTS.
2. CONTRACTOR SHALL TEST ALL EXISTING FIBERS PROPOSED TO BE USED UNDER THIS PROJECT AND VERIFY SHOWN CONNECTIVITY PRIOR TO USE OF PROPOSED FIBERS.

VOLUME 2 OF 3

PLANS PREPARED BY:

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

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

TIP PROJECT: U-4704

CONTRACT: C202083

12/29/2008
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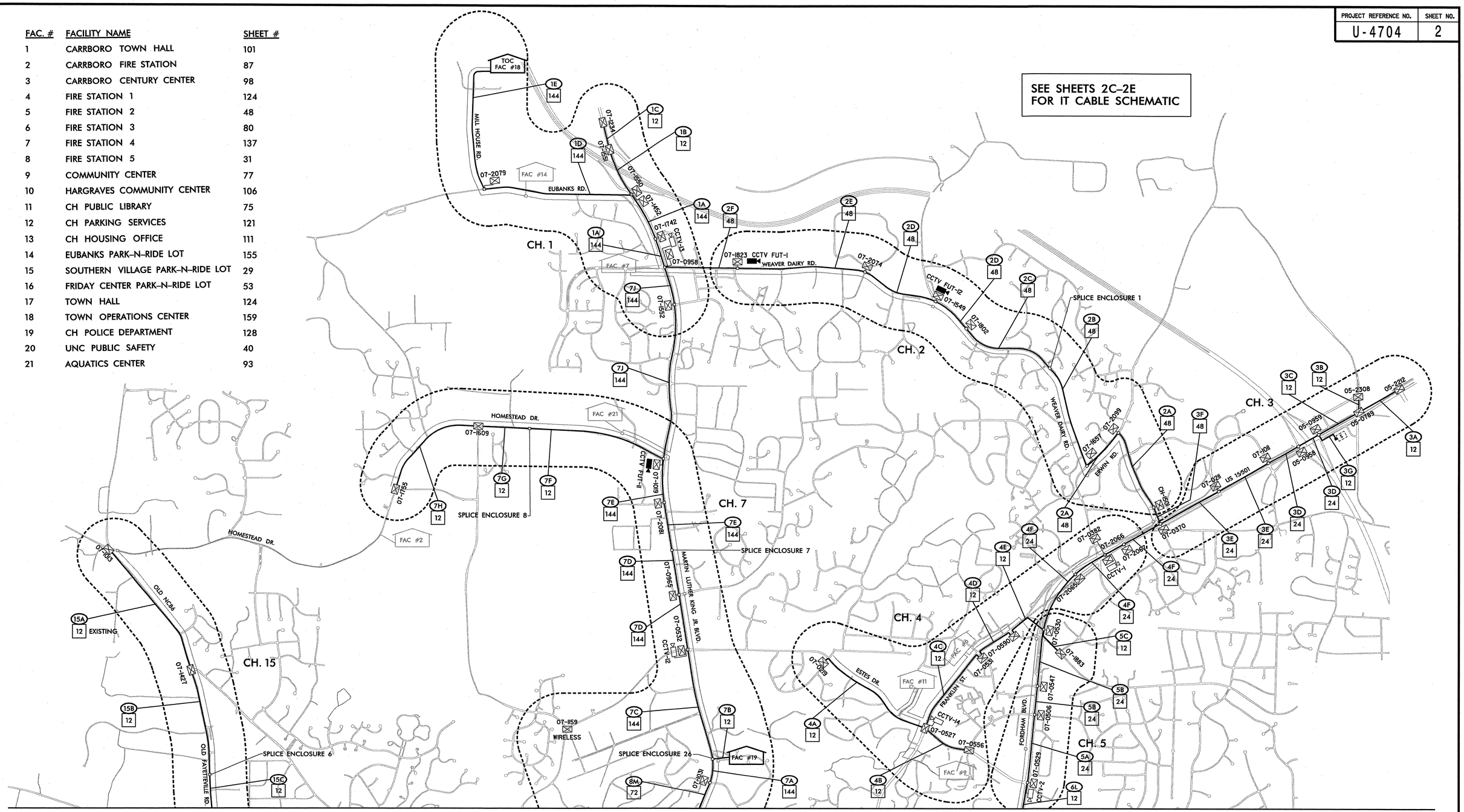
PROJECT REFERENCE NO.	SHEET NO.
U-4704	2

FAC. #	FACILITY NAME	SHEET #
1	CARRBORO TOWN HALL	101
2	CARRBORO FIRE STATION	87
3	CARRBORO CENTURY CENTER	98
4	FIRE STATION 1	124
5	FIRE STATION 2	48
6	FIRE STATION 3	80
7	FIRE STATION 4	137
8	FIRE STATION 5	31
9	COMMUNITY CENTER	77
10	HARGRAVES COMMUNITY CENTER	106
11	CH PUBLIC LIBRARY	75
12	CH PARKING SERVICES	121
13	CH HOUSING OFFICE	111
14	EUBANKS PARK-N-RIDE LOT	155
15	SOUTHERN VILLAGE PARK-N-RIDE LOT	29
16	FRIDAY CENTER PARK-N-RIDE LOT	53
17	TOWN HALL	124
18	TOWN OPERATIONS CENTER	159
19	CH POLICE DEPARTMENT	128
20	UNC PUBLIC SAFETY	40
21	AQUATICS CENTER	93



MATCH LINE, SEE SHEET 2A

LEGEND

□	SPLICE ENCLOSURE	■◄	FUTURE CCTV CAMERA
⊠	SIGNAL CABINET	(XXX)	CABLE NAME
⌂	TOWN FACILITY	XX	FIBER COUNT
XX-XXXX	SIGNAL INVENTORY NUMBER	——	SIGNAL SYSTEM FIBER OPTIC CABLE
▭◁	PROPOSED CCTV CAMERA	——	IT OVERLAY FIBER OPTIC CABLE

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Pkwy., Garner, NC 27529

SCALE 0 NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM UPGRADE CABLE SCHEMATIC

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER, 2008	REVIEWED BY:	J. McCLURE
PREPARED BY:	J. CROSS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.4.08

CADD Filename:

12/4/2008
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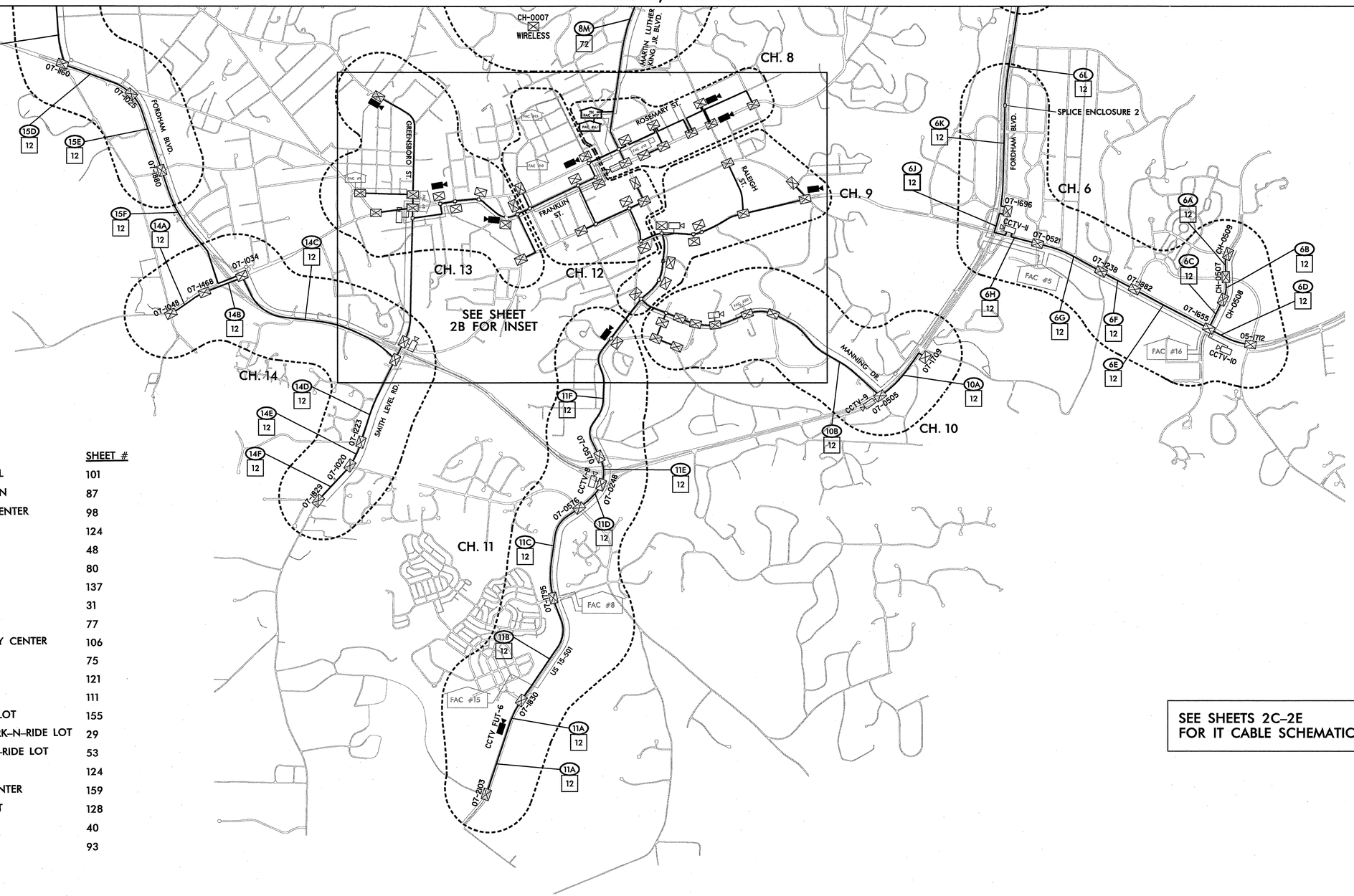
PROJECT REFERENCE NO.	SHEET NO.
U-4704	2A

MATCH LINE, SEE SHEET 2



FAC. #	FACILITY NAME	SHEET #
1	CARRBORO TOWN HALL	101
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15	SOUTHERN VILLAGE PARK-N-RIDE LOT	29
16	FRIDAY CENTER PARK-N-RIDE LOT	53
17	TOWN HALL	124
18	TOWN OPERATIONS CENTER	159
19	CH POLICE DEPARTMENT	128
20	UNC PUBLIC SAFETY	40
21	AQUATICS CENTER	93

SEE SHEETS 2C–2E
FOR IT CABLE SCHEMATIC

LEGEND

- SPLICE ENCLOSURE
- SIGNAL CABINET
- TOWN FACILITY
- XX-XXXX SIGNAL INVENTORY NUMBER
- PROPOSED CCTV CAMERA
- FUTURE CCTV CAMERA
- XXX CABLE NAME
- XX FIBER COUNT
- SIGNAL SYSTEM FIBER OPTIC CABLE
- IT OVERLAY FIBER OPTIC CABLE

12/4/2008
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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 Greenfield Pkwy., Garner, NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM UPGRADE CABLE SCHEMATIC

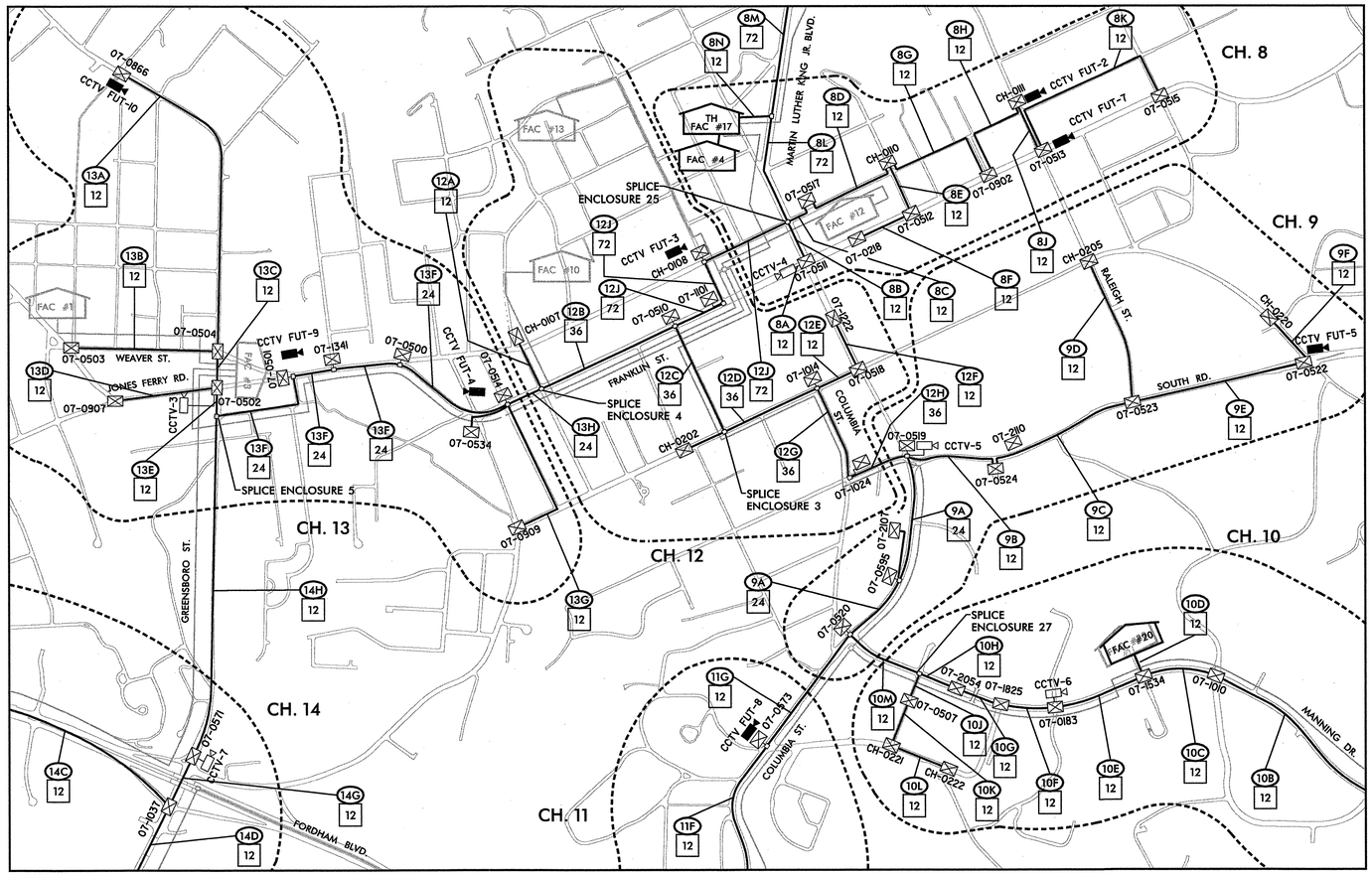
DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER, 2008	REVIEWED BY:	J. McCLURE
PREPARED BY:	J. CROSS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE
SIGNATURE — DATE 12.4.08
CADD Filename:

PROJECT REFERENCE NO.	SHEET NO.
U-4704	2B



FAC. #	FACILITY NAME	SHEET #
1	CARRBORO TOWN HALL	101
2	CARRBORO FIRE STATION	87
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21	AQUATICS CENTER	93

INSET, SEE SHEET 2A

SEE SHEETS 2C–2E
FOR IT CABLE SCHEMATIC

LEGEND

□	SPLICE ENCLOSURE	■◄	FUTURE CCTV CAMERA
⊠	SIGNAL CABINET	(XXX)	CABLE NAME
	TOWN FACILITY	XX	FIBER COUNT
XX-XXXX	SIGNAL INVENTORY NUMBER	———	SIGNAL SYSTEM FIBER OPTIC CABLE
▭◁	PROPOSED CCTV CAMERA	———	IT OVERLAY FIBER OPTIC CABLE

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

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

SCALE
0 —
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED
SIGNAL SYSTEM UPGRADE
CABLE SCHEMATIC

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER, 2008	REVIEWED BY:	J. McCLURE
PREPARED BY:	J. CROSS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE
SIGNATURE 12-4-08 DATE
CADD Filename:

12/4/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	2C

FAC. #	FACILITY NAME	SHEET #
1	CARRBORO TOWN HALL	101
2	CARRBORO FIRE STATION	87
3	CARRBORO CENTURY CENTER	98
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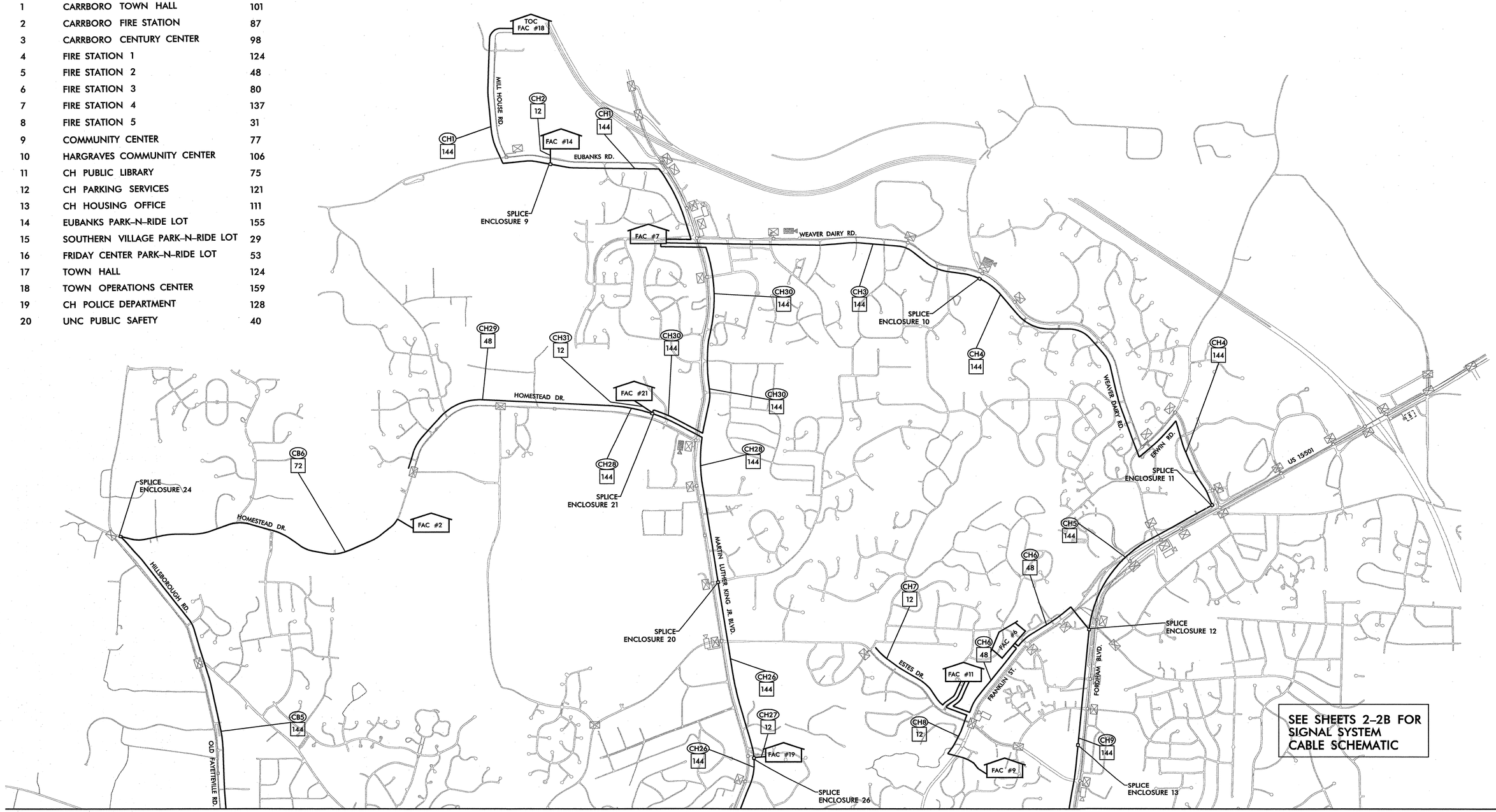
18	TOWN OPERATIONS CENTER	159
19	CH POLICE DEPARTMENT	128
20	UNC PUBLIC SAFETY	40



MATCH LINE, SEE SHEET 2D

LEGEND

□	SPLICE ENCLOSURE	■◄	FUTURE CCTV CAMERA
⊠	SIGNAL CABINET	(XXX)	CABLE NAME
⌂	TOWN FACILITY	XX	FIBER COUNT
XX-XXXX	SIGNAL INVENTORY NUMBER	———	SIGNAL SYSTEM FIBER OPTIC CABLE
▭◄	PROPOSED CCTV CAMERA	———	IT OVERLAY FIBER OPTIC CABLE

PLANS PREPARED IN THE OFFICE OF:

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(919) 677-2000

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

SCALE 0 NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM UPGRADE IT CABLE SCHEMATIC

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER, 2008	REVIEWED BY:	J. McCLURE
PREPARED BY:	J. CROSS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.4.08 DATE

CADD Filename:

12/4/2008
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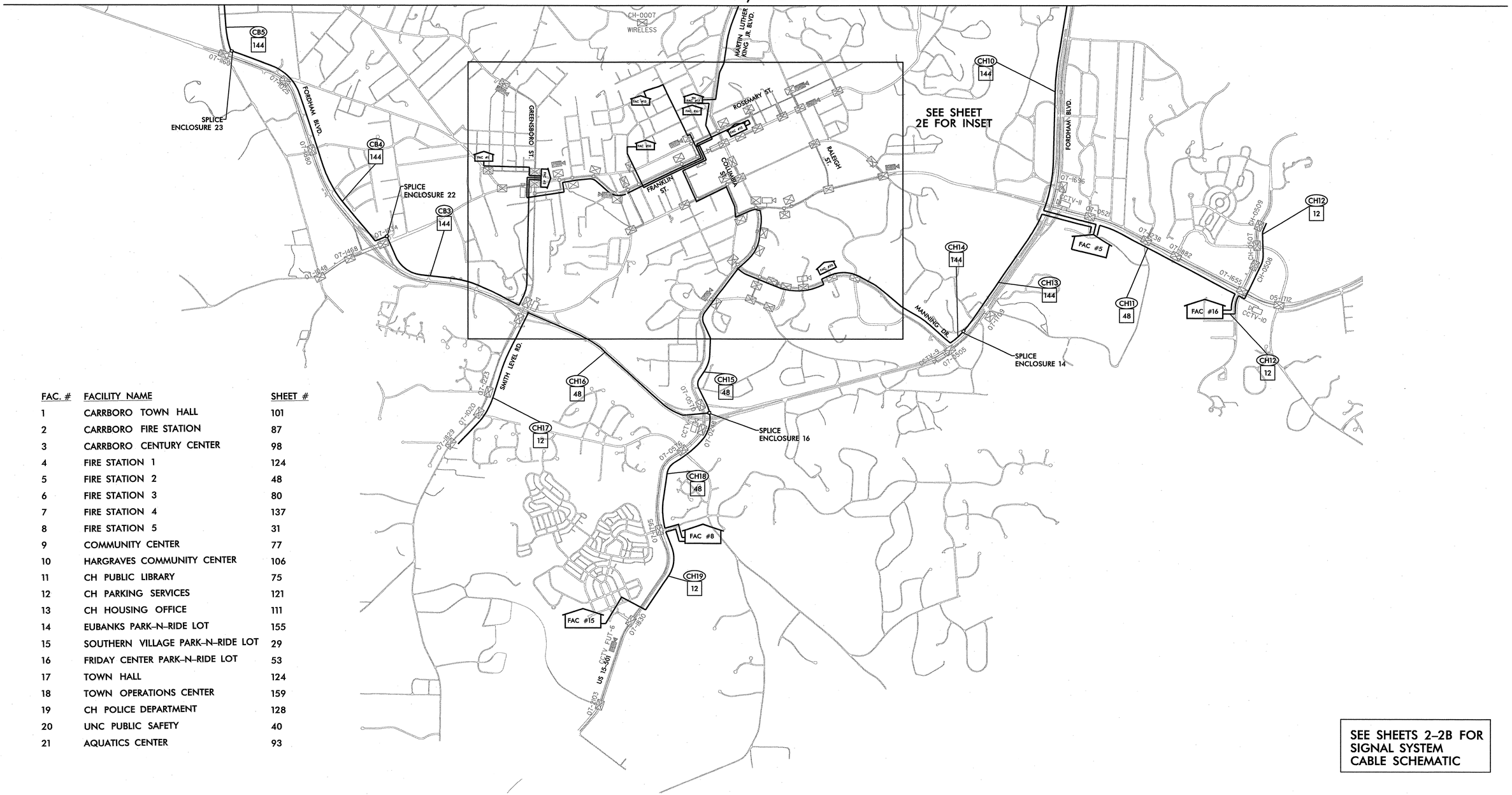
PROJECT REFERENCE NO.	SHEET NO.
U-4704	2D

MATCH LINE, SEE SHEET 2C



FAC. #	FACILITY NAME	SHEET #
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20	UNC PUBLIC SAFETY	40
21	AQUATICS CENTER	93

SEE SHEETS 2-2B FOR SIGNAL SYSTEM CABLE SCHEMATIC

LEGEND

□	SPLICE ENCLOSURE	■◄	FUTURE CCTV CAMERA
⊠	SIGNAL CABINET	(XXX)	CABLE NAME
⌂	TOWN FACILITY	XX	FIBER COUNT
XX-XXXX	SIGNAL INVENTORY NUMBER	———	SIGNAL SYSTEM FIBER OPTIC CABLE
▭◄	PROPOSED CCTV CAMERA	———	IT OVERLAY FIBER OPTIC CABLE

PLANS PREPARED IN THE OFFICE OF:

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

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

SCALE
0 —
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM UPGRADE IT CABLE SCHEMATIC

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER, 2008	REVIEWED BY:	J. McCLURE
PREPARED BY:	J. CROSS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.4.08

CADD Filename:

12/4/2008
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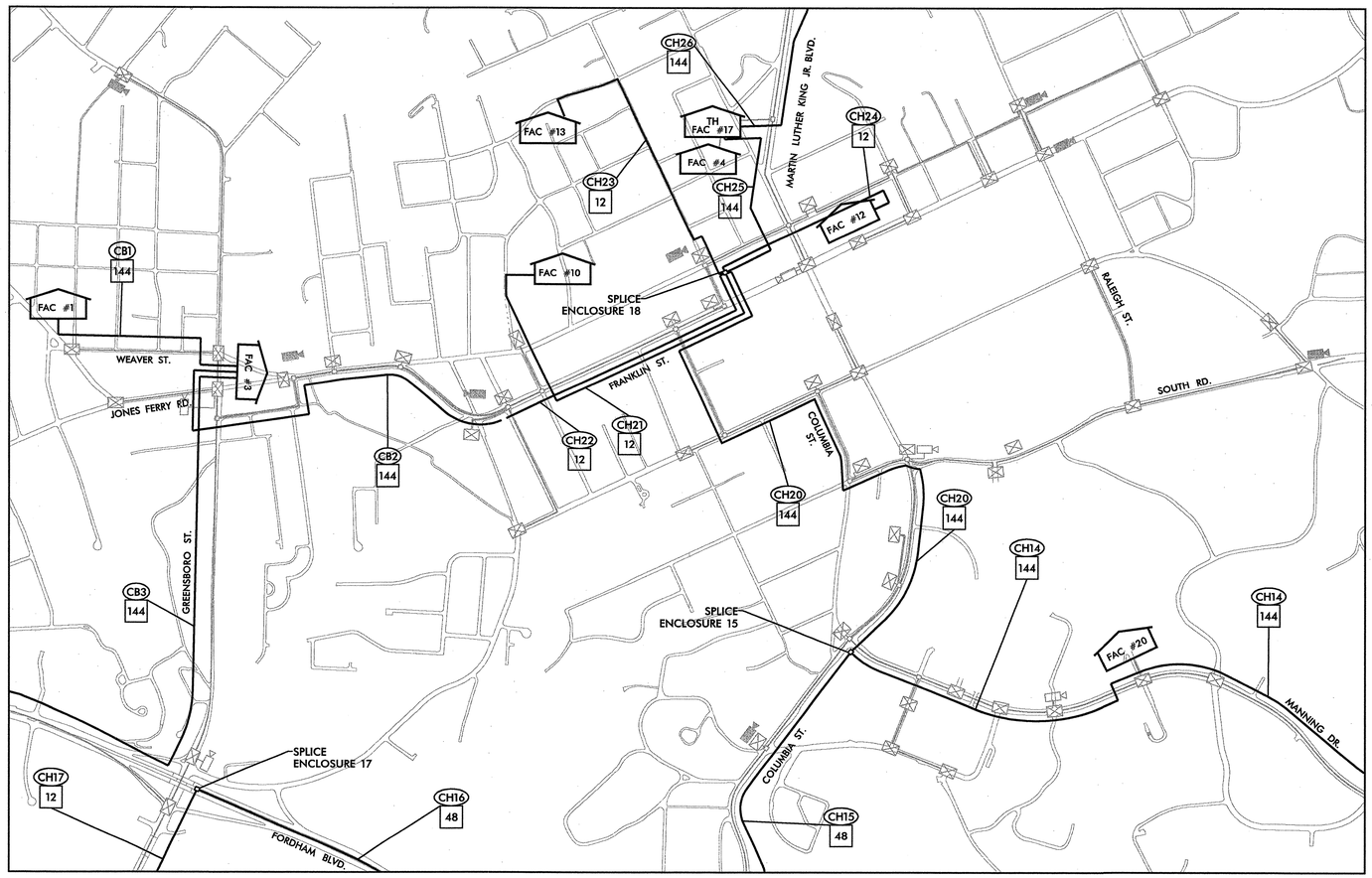
PROJECT REFERENCE NO.	SHEET NO.
U-4704	2E



FAC. #	FACILITY NAME	SHEET #
1	CARRBORO TOWN HALL	101
2	CARRBORO FIRE STATION	87
3	CARRBORO CENTURY CENTER	98
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17	TOWN HALL	124
18	TOWN OPERATIONS CENTER	159
19	CH POLICE DEPARTMENT	128
20	UNC PUBLIC SAFETY	40
21	AQUATICS CENTER	93

INSET, SEE SHEET 2D

SEE SHEETS 2-2B FOR SIGNAL SYSTEM CABLE SCHEMATIC

LEGEND

□	SPLICE ENCLOSURE	■◄	FUTURE CCTV CAMERA
⊠	SIGNAL CABINET	(XXX)	CABLE NAME
⌂	TOWN FACILITY	XX	FIBER COUNT
XX-XXXX	SIGNAL INVENTORY NUMBER	———	SIGNAL SYSTEM FIBER OPTIC CABLE
▭◁	PROPOSED CCTV CAMERA	———	IT OVERLAY FIBER OPTIC CABLE

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

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

SCALE
0 NONE
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED
SIGNAL SYSTEM UPGRADE
IT CABLE SCHEMATIC

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER, 2008	REVIEWED BY:	J. McCLURE
PREPARED BY:	J. CROSS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE
SIGNATURE 12.4.08 DATE
CADD Filename:

12/4/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 1

SPLICE ENCLOSURE AT MARTIN LUTHER KING JR. BLVD. AT WESTMINSTER DR.

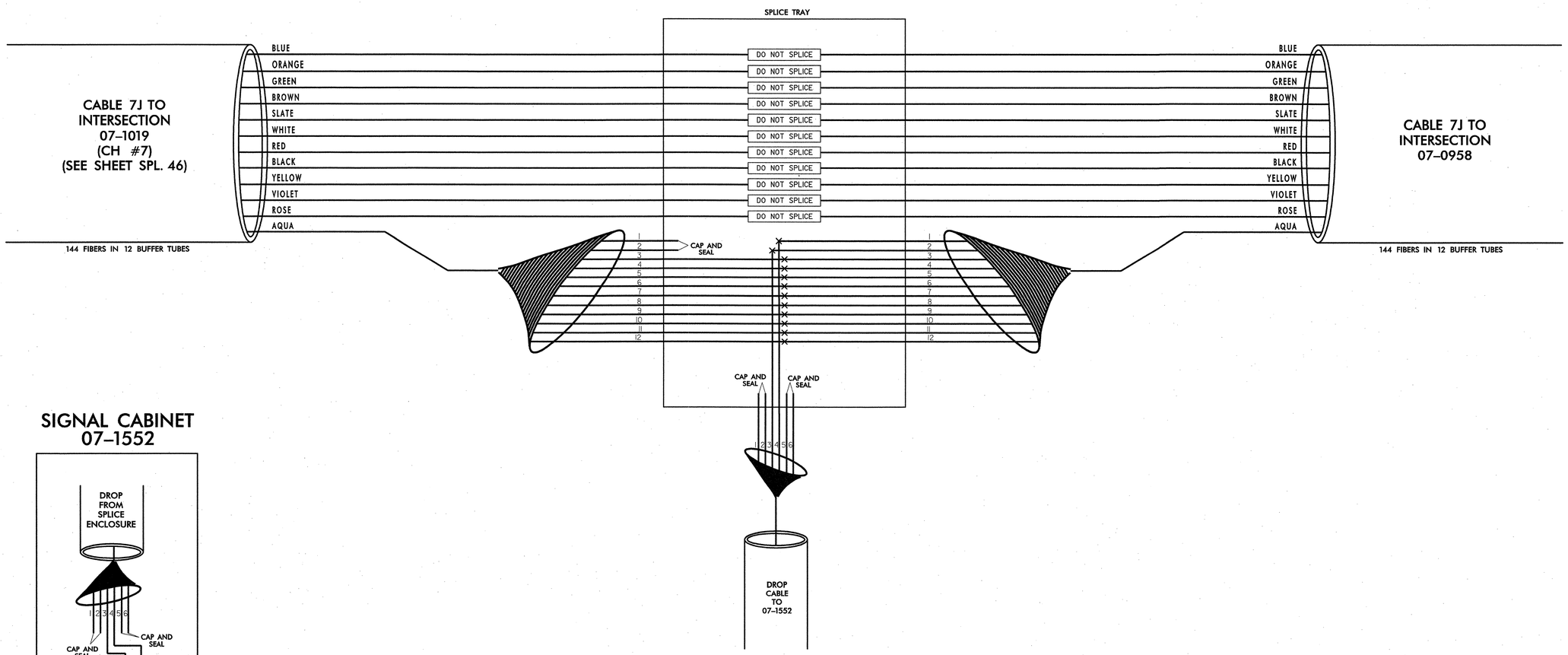
SIG. INV. 07–1552

LEGEND

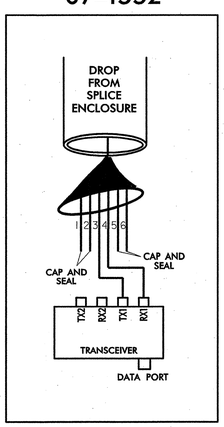
X = FUSION SPLICE

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



SIGNAL CABINET 07–1552



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 Systems Branch
Intelligent Transportation Systems
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 1

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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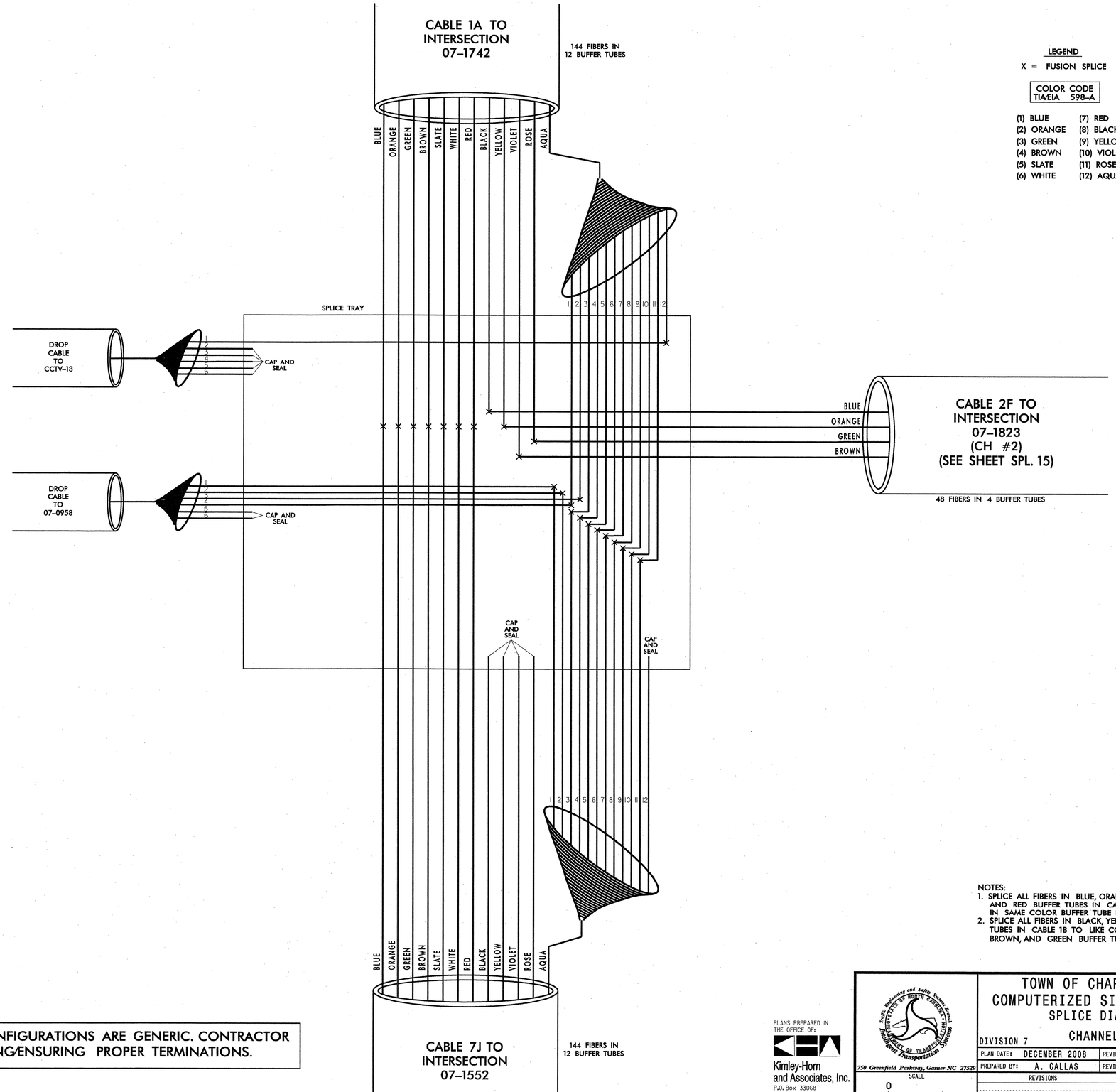
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 2

SPLICE ENCLOSURE AT WEAVER DAIRY RD. AT MARTIN LUTHER KING JR. BLVD.

SIG. INV. 07–0958



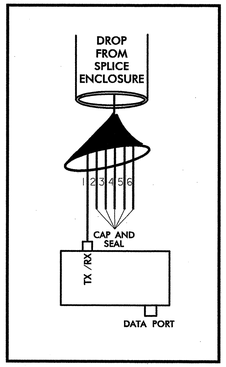
LEGEND

X = FUSION SPLICE

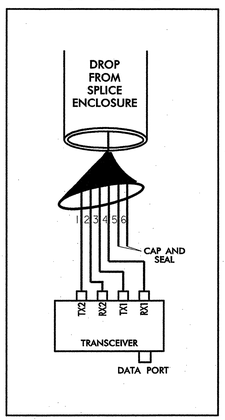
COLOR CODE TIA/EIA 598–A

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

CCTV–13 CABINET



SIGNAL CABINET 07–0958



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

NOTES:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, AND RED BUFFER TUBES IN CABLE 1A TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 1B.
2. SPLICE ALL FIBERS IN BLACK, YELLOW, VIOLET, AND ROSE BUFFER TUBES IN CABLE 1B TO LIKE COLOR FIBERS IN BLUE, ORANGE, BROWN, AND GREEN BUFFER TUBES IN CABLE 2F.

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

750 Greenfield Parkway, Garner NC 27529

SCALE 0 NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

DIVISION 7 — CHANNEL 1 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 3

SPLICE ENCLOSURE AT MARTIN LUTHER KING JR. BLVD. AT PERKINS DR.

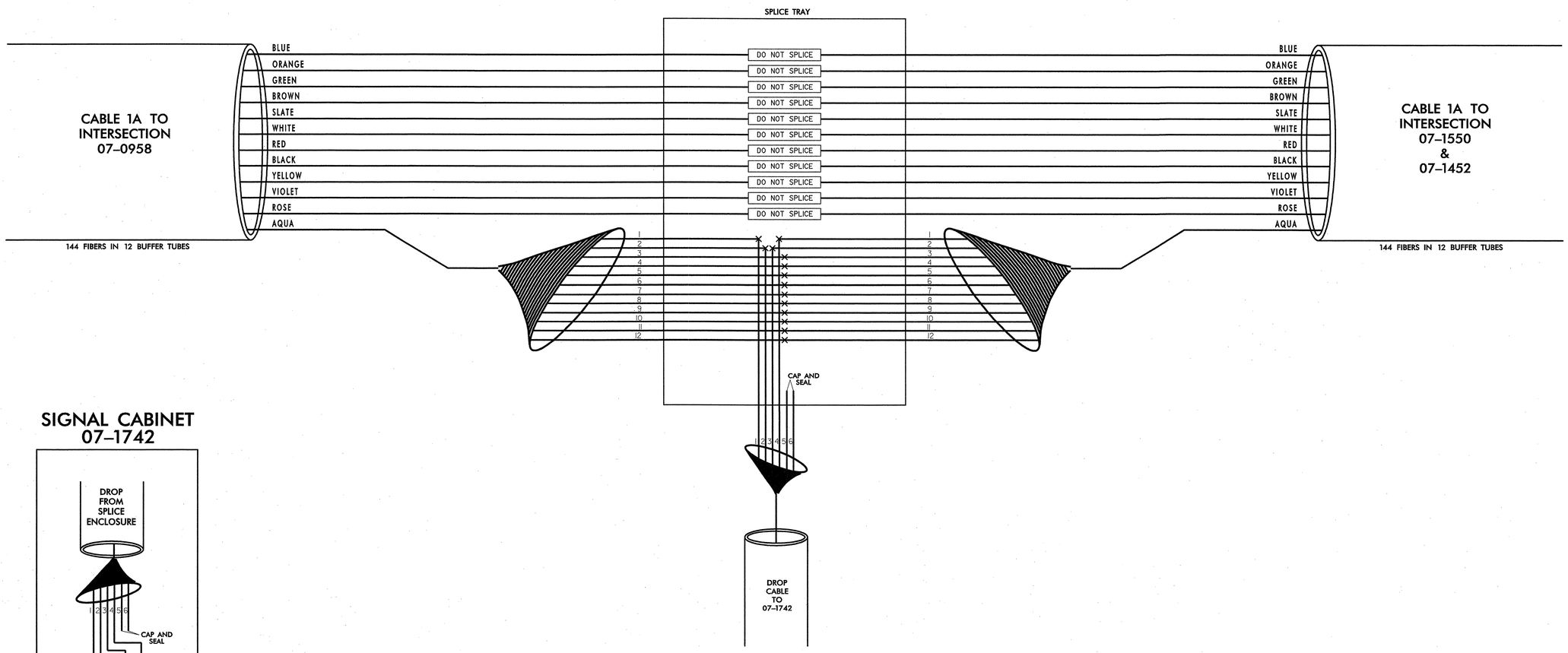
SIG. INV. 07–1742

LEGEND

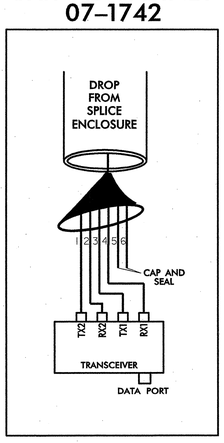
X = FUSION SPLICE

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



SIGNAL CABINET 07–1742



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

SCALE
0
NONE

Traffic Engineering and Safety Systems Branch
Transportation Mobility and Safety Division
750 Greenfield Parkway, Garner NC 27529

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

DIVISION 7 — CHANNEL 1 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 4

SPLICE ENCLOSURE AT NC 86 AT I-40 EASTBOUND RAMP

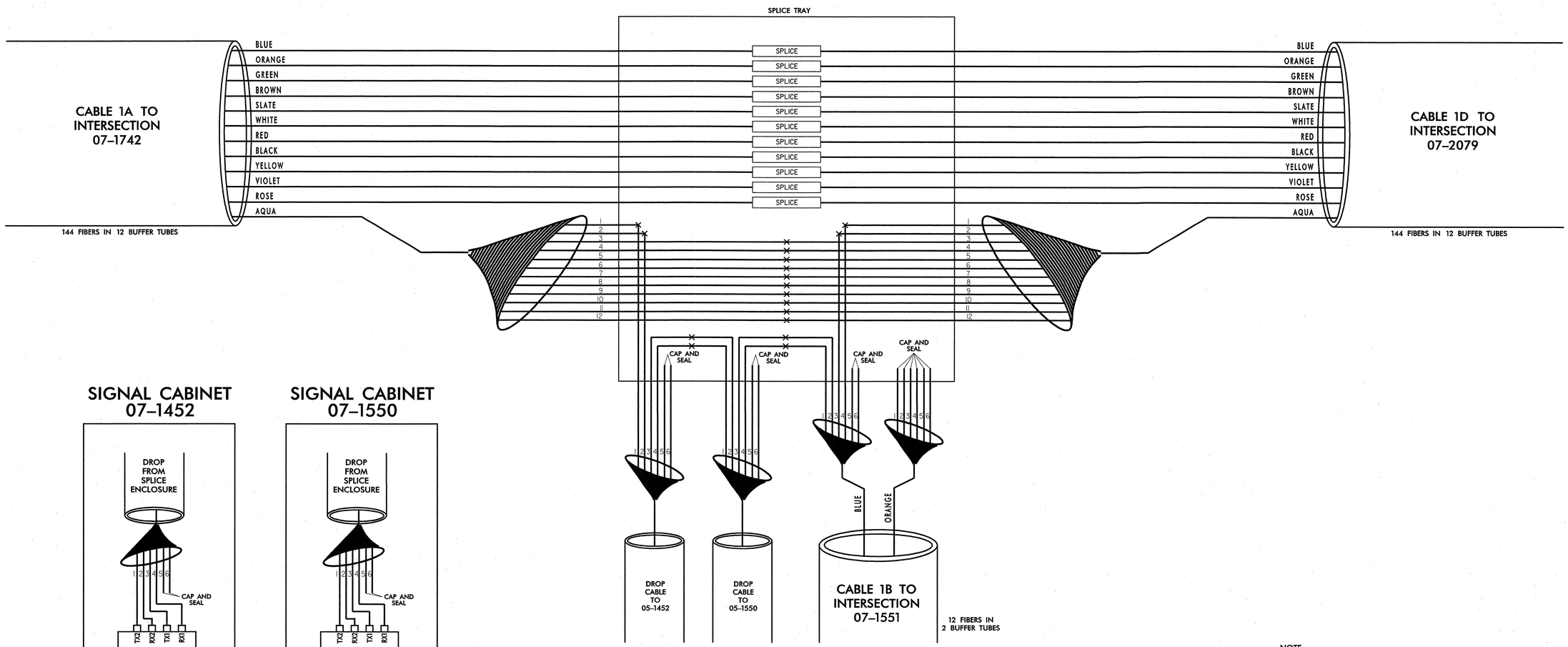
SIG. INV. 07-1550
SIG. INV. 07-1452

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, AND ROSE BUFFER TUBES IN CABLE 1A TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 1D.

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 Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

DIVISION 7 CHANNEL 1 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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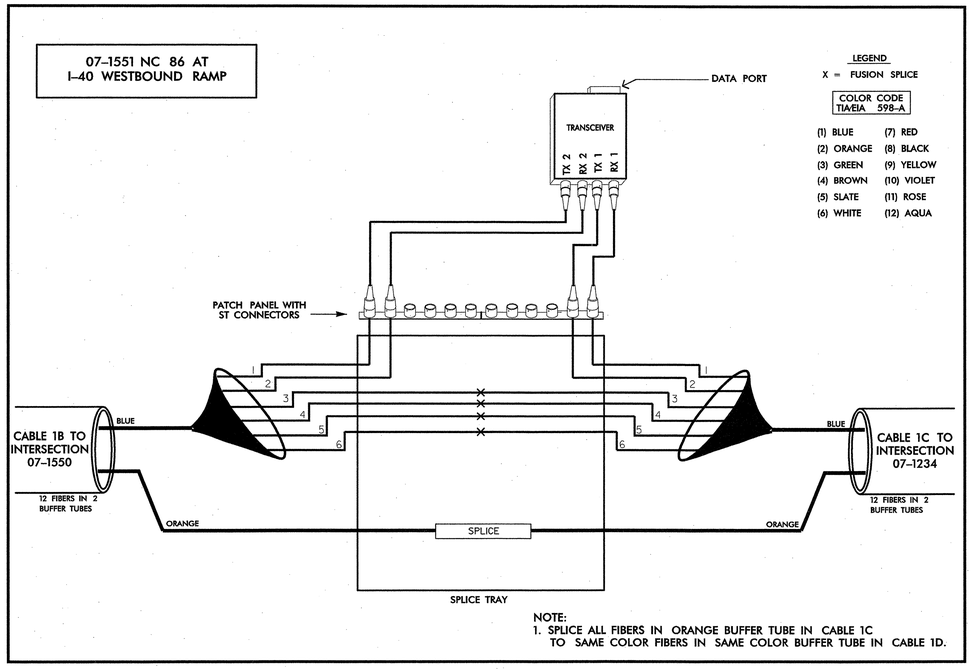
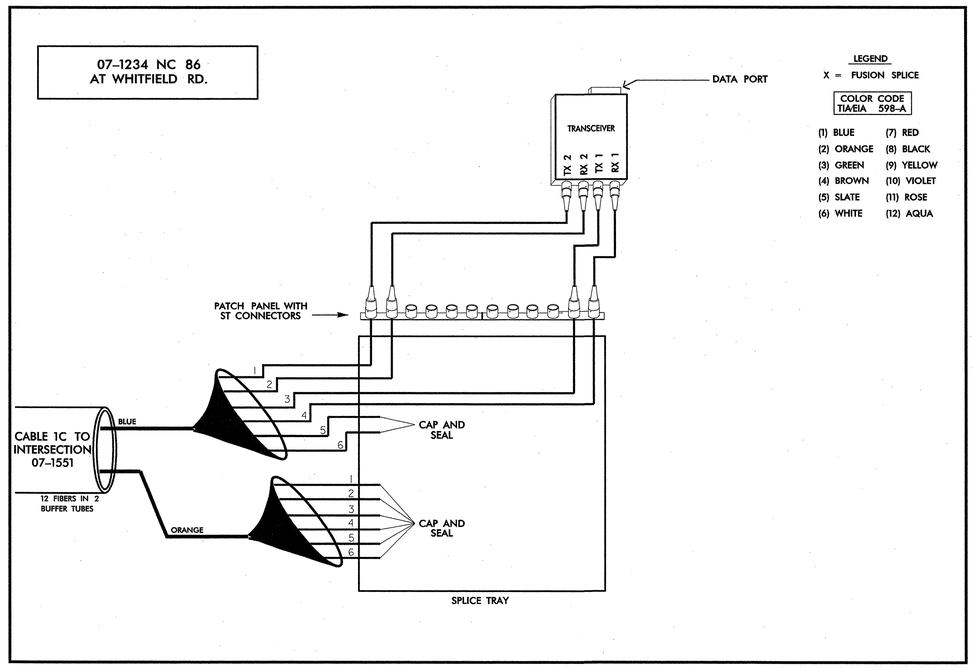
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 5



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 1C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 1D.



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

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

DIVISION 7 CHANNEL 1 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 6

SPLICE ENCLOSURE AT EUBANKS RD. AT MILLHOUSE RD.

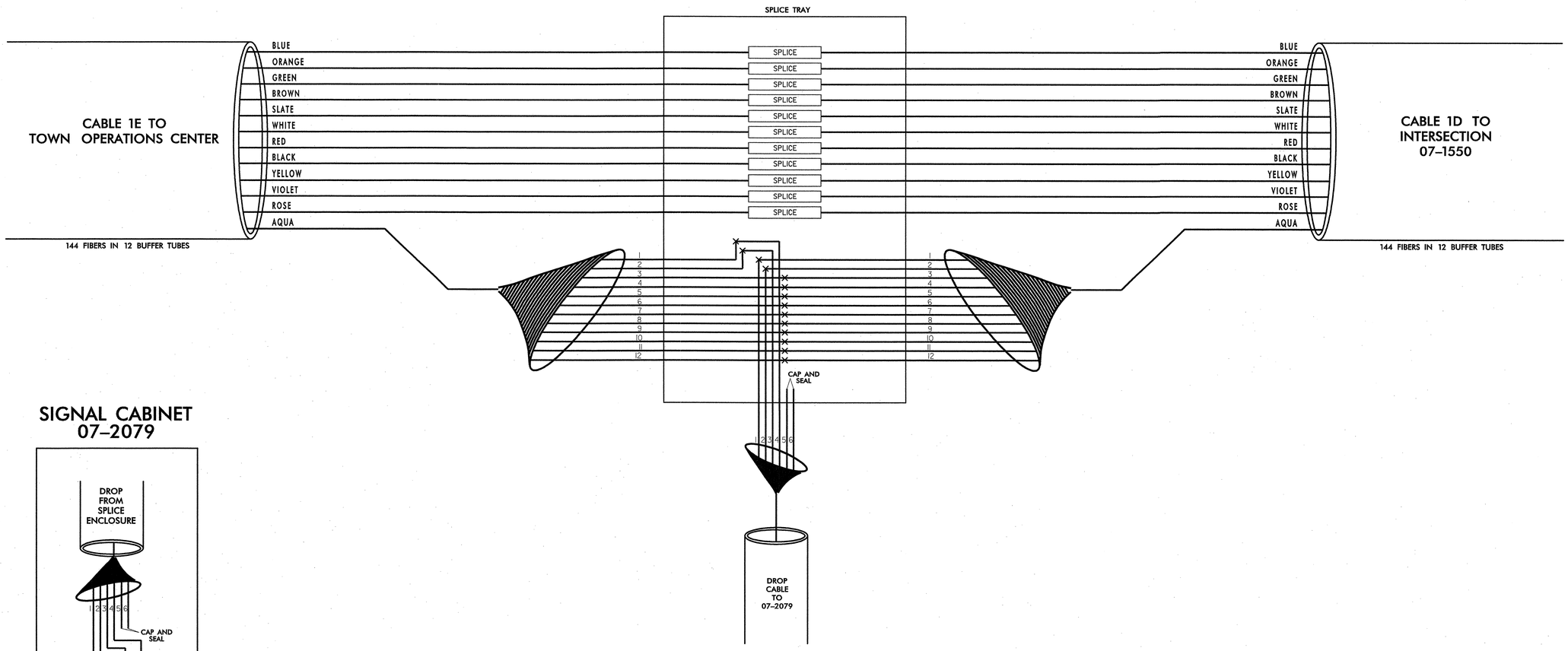
SIG. INV. 07–2079

LEGEND

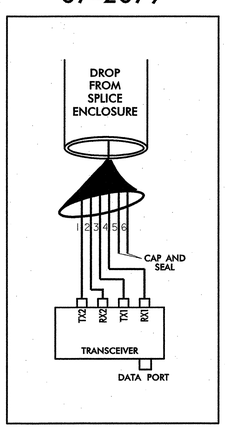
X = FUSION SPLICE

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



SIGNAL CABINET 07–2079



NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, AND ROSE BUFFER TUBES IN CABLE 1E TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 1D.

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

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 1

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL-7

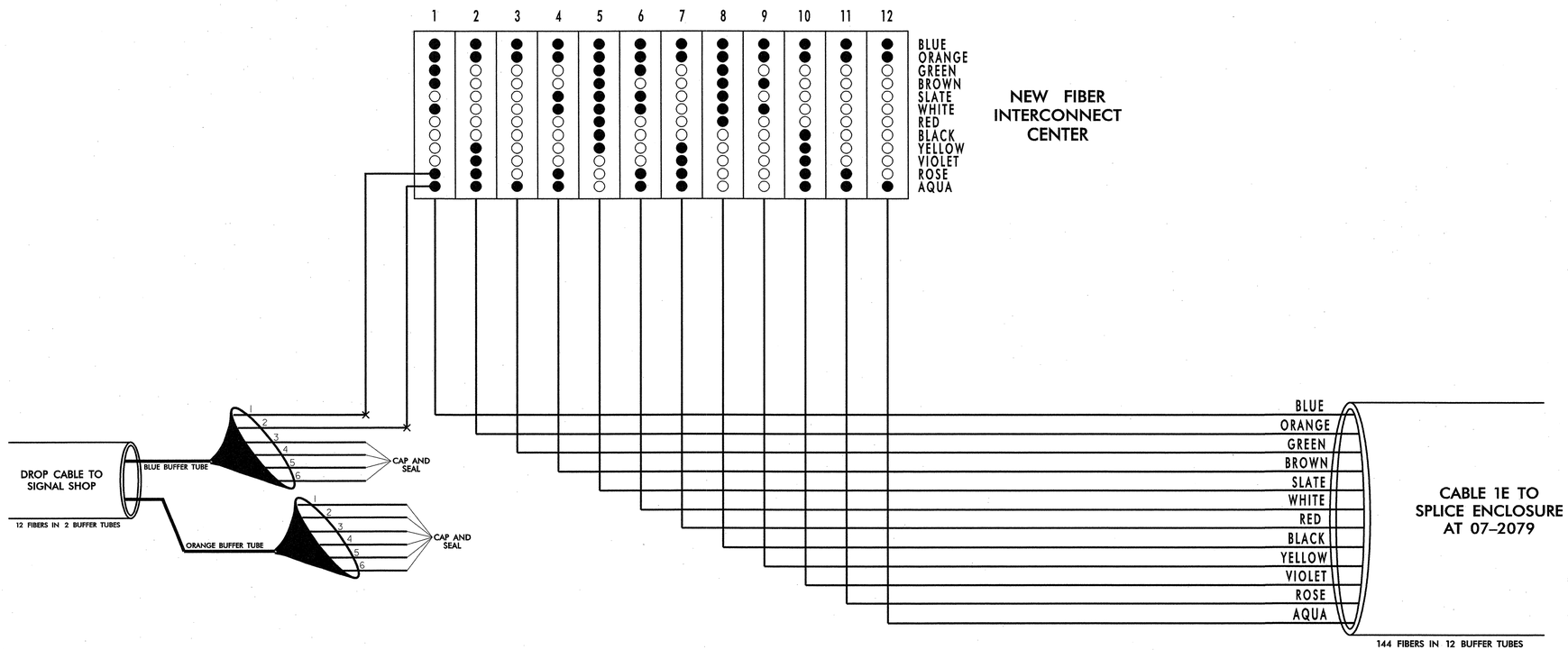
FACILITY 18 TRAFFIC OPERATIONS CENTER

LEGEND

X = FUSION SPLICE

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

750 Greenfield Parkway, Garner NC 27529

SCALE: 0 NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
TOC INTERCONNECT CENTER

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL-8

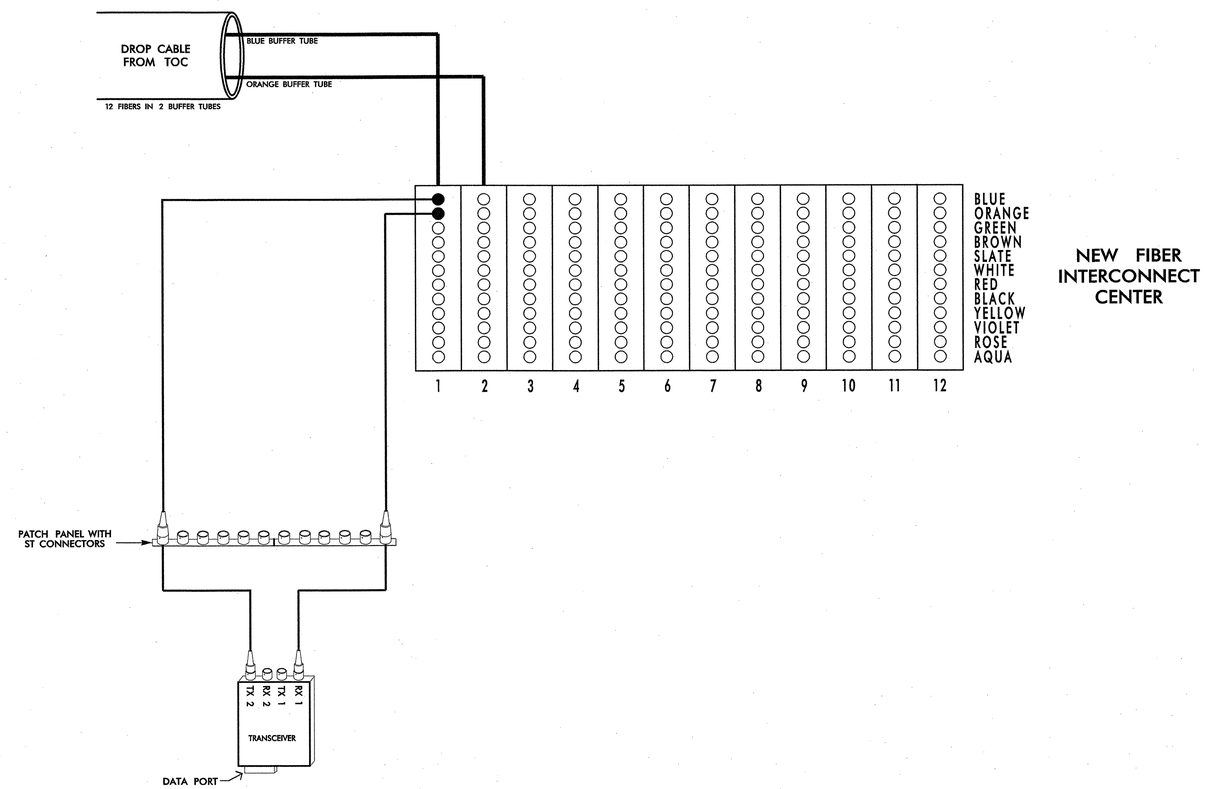
SIGNAL SHOP

LEGEND

X = FUSION SPLICE

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



PLANS PREPARED IN THE OFFICE OF:

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(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SIGNAL SHOP

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 9

SPLICE ENCLOSURE AT SAGE RD. AT COSGROVE AVE.

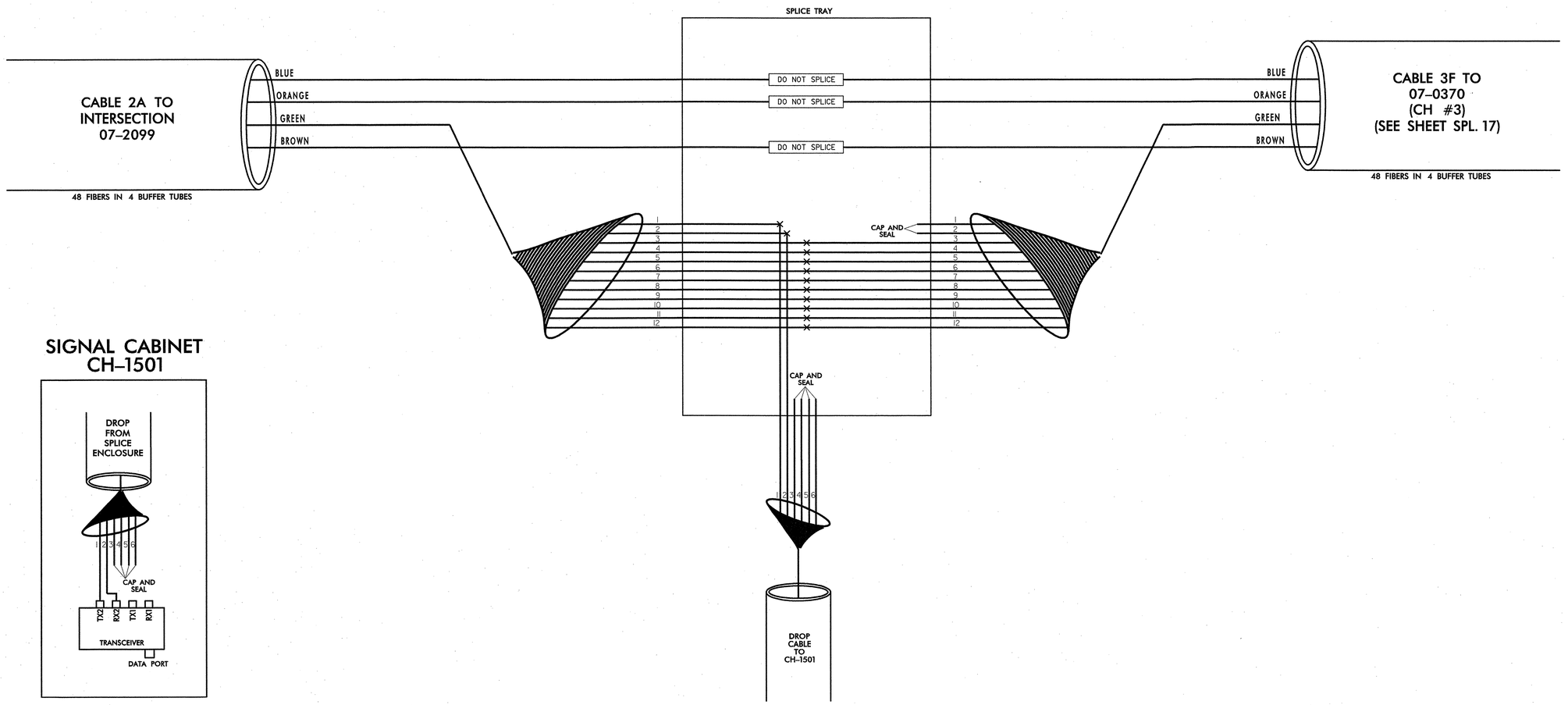
SIG. INV. CH-1501

LEGEND

X = FUSION SPLICE

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



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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 10

SPLICE ENCLOSURE AT ERWIN RD. AT SAGE RD.

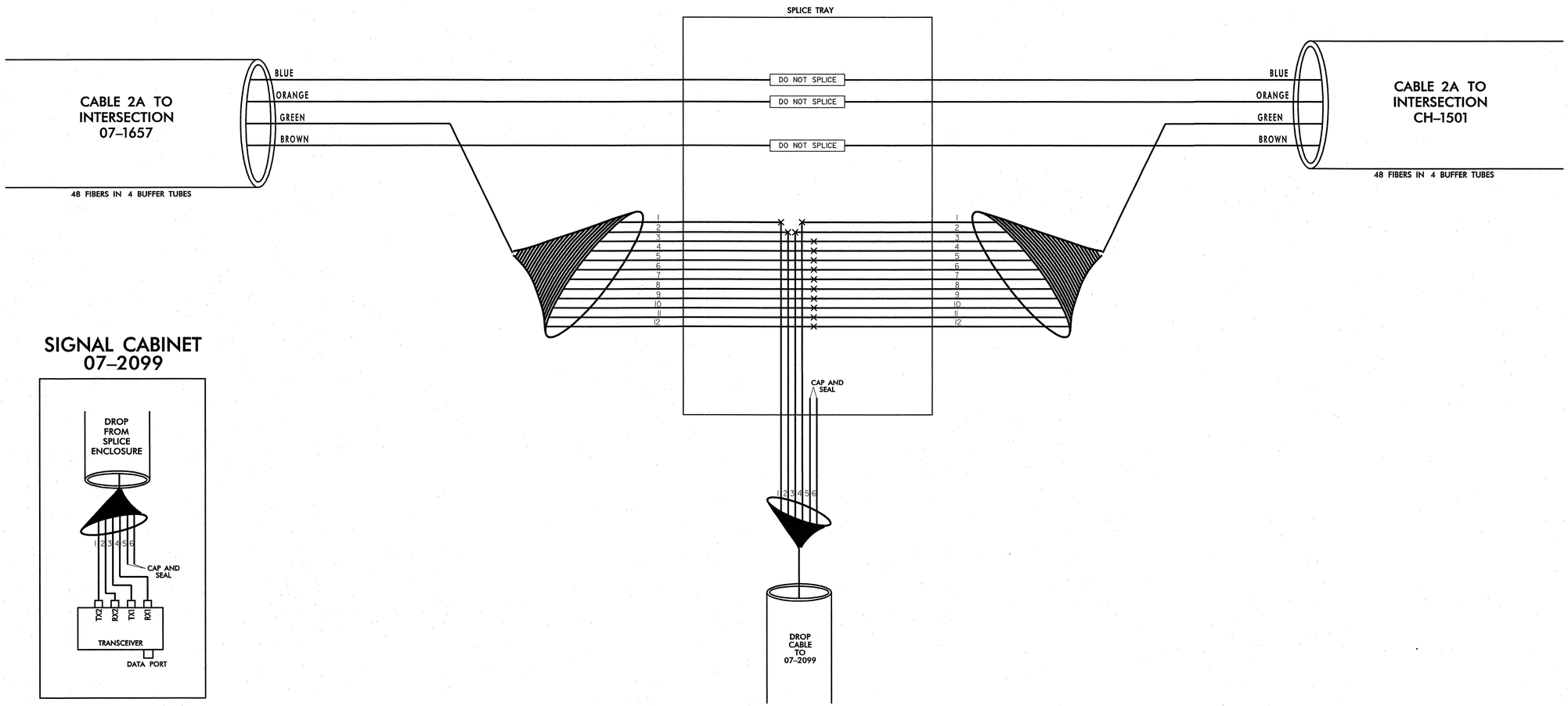
SIG. INV. 07–2099

LEGEND

X = FUSION SPLICE

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



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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 11

SPLICE ENCLOSURE AT WEAVER DAIRY RD. AT ERWIN RD.

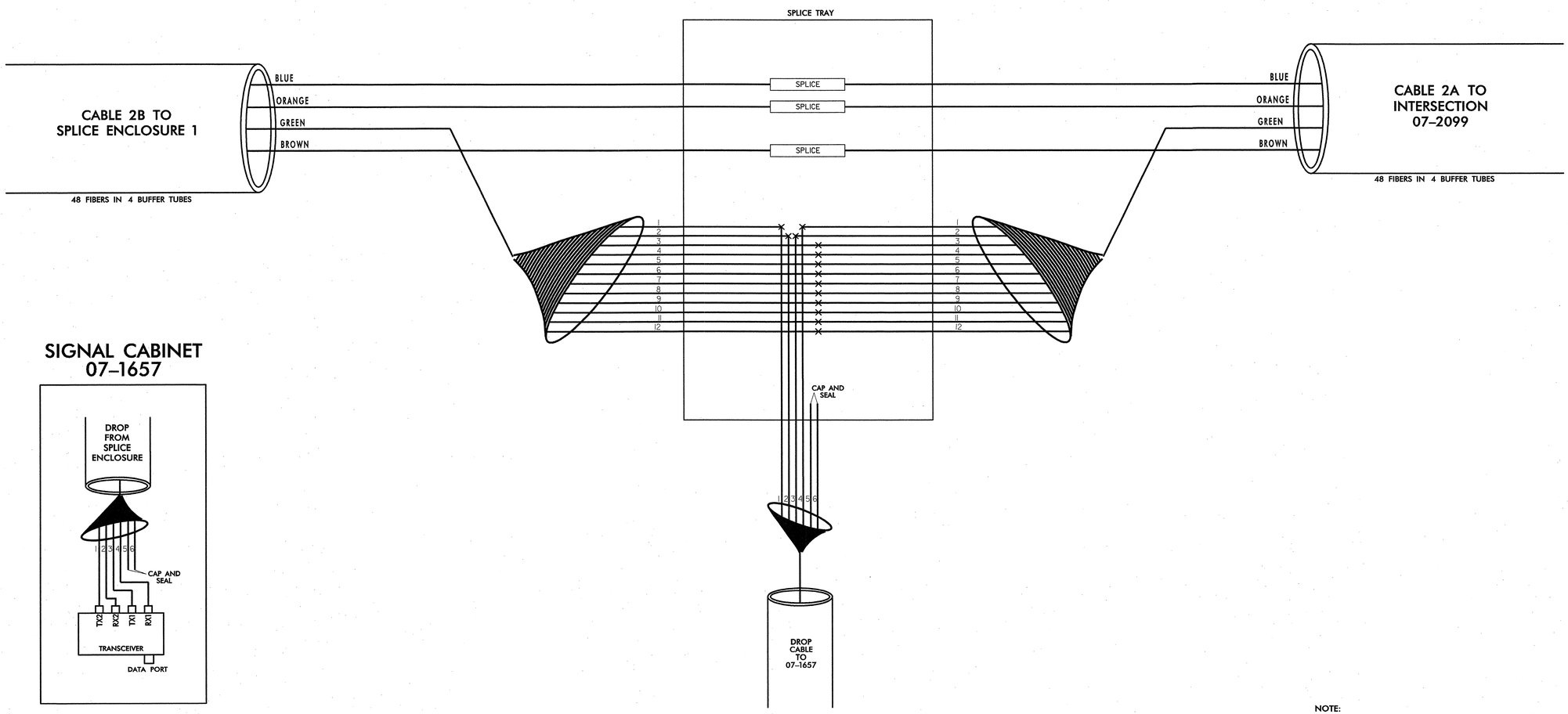
SIG. INV. 07–1657

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, AND BROWN BUFFER TUBES IN CABLE 2B TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 2A.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 12

SPLICE ENCLOSURE AT WEAVER DAIRY RD. AT HIGH SCHOOL DR.

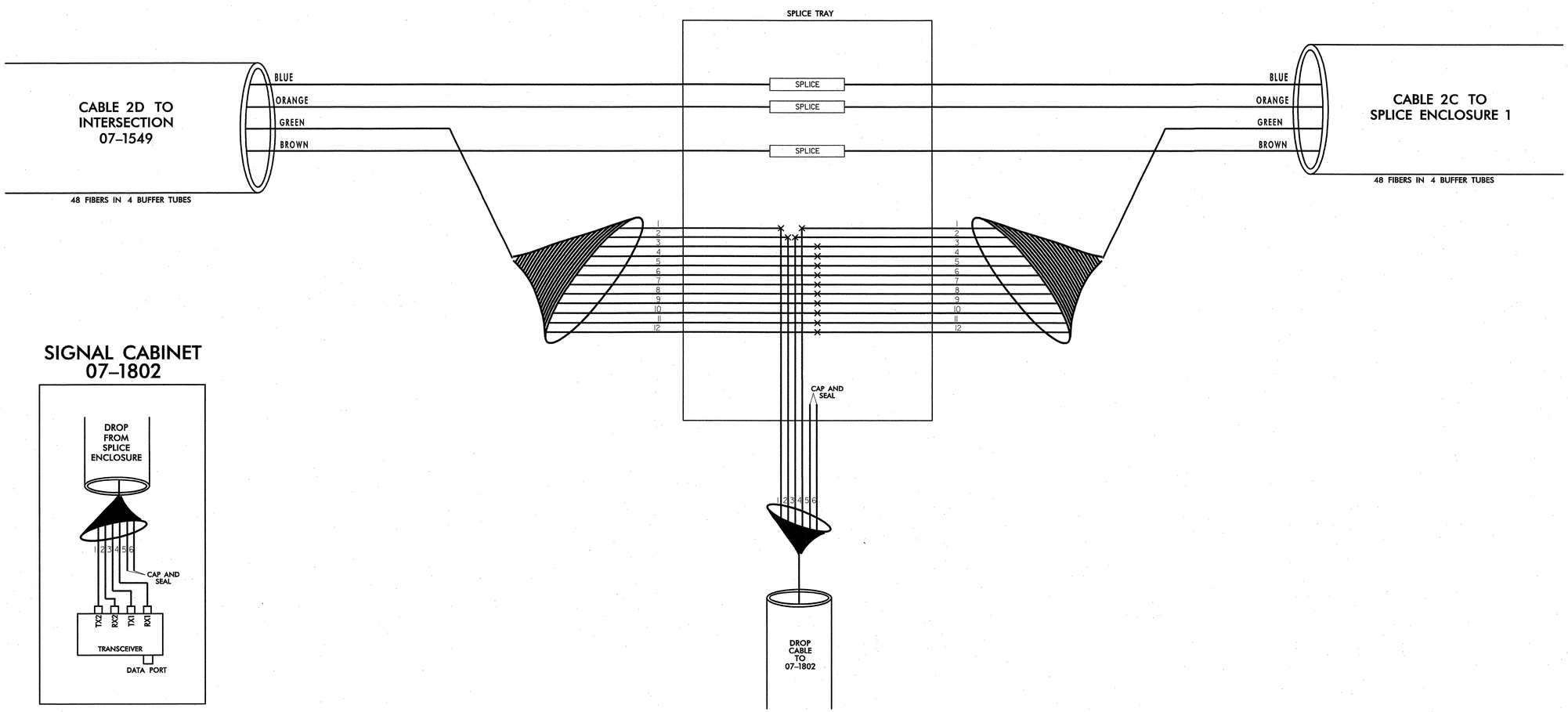
SIG. INV. 07–1802

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, AND BROWN BUFFER TUBES IN CABLE 2D TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 2C.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
f:\systems\projects\011036150 (chapel hill)\splicing\spl_02_04.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 13

SPLICE ENCLOSURE AT SUNRISE LN. AT WEAVER DAIRY RD.

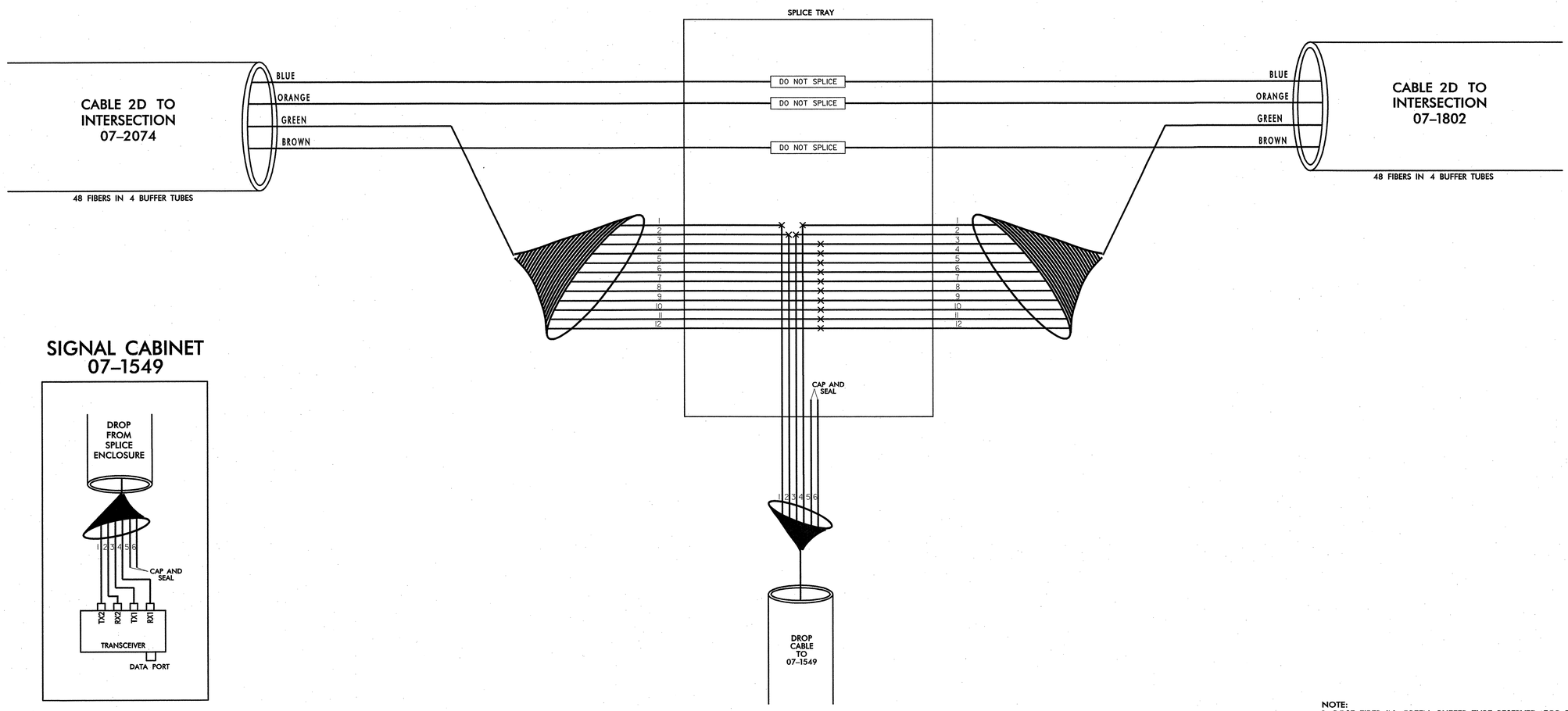
SIG. INV. 07–1549

LEGEND

X = FUSION SPLICE

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



NOTE:
1. ROSE FIBER IN GREEN BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 12.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-24-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 14

SPLICE ENCLOSURE AT WEAVER DAIRY RD. AT SILO DR.

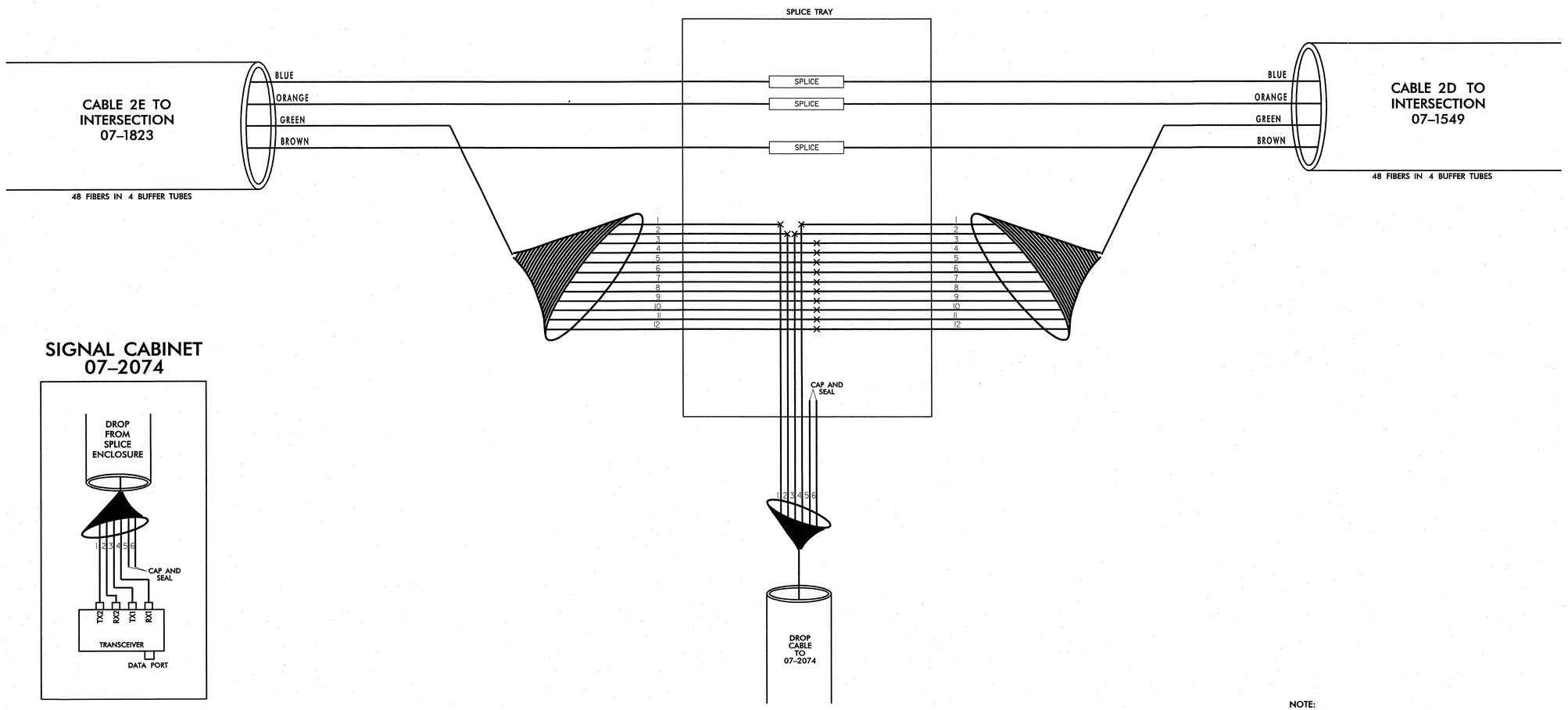
SIG. INV. 07–2074

LEGEND

X = FUSION SPLICE

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



SIGNAL CABINET 07–2074

NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, AND BROWN BUFFER TUBES IN CABLE 2E TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 2D.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 15

SPLICE ENCLOSURE AT WEAVER DAIRY RD. AT KINGSTON DR.

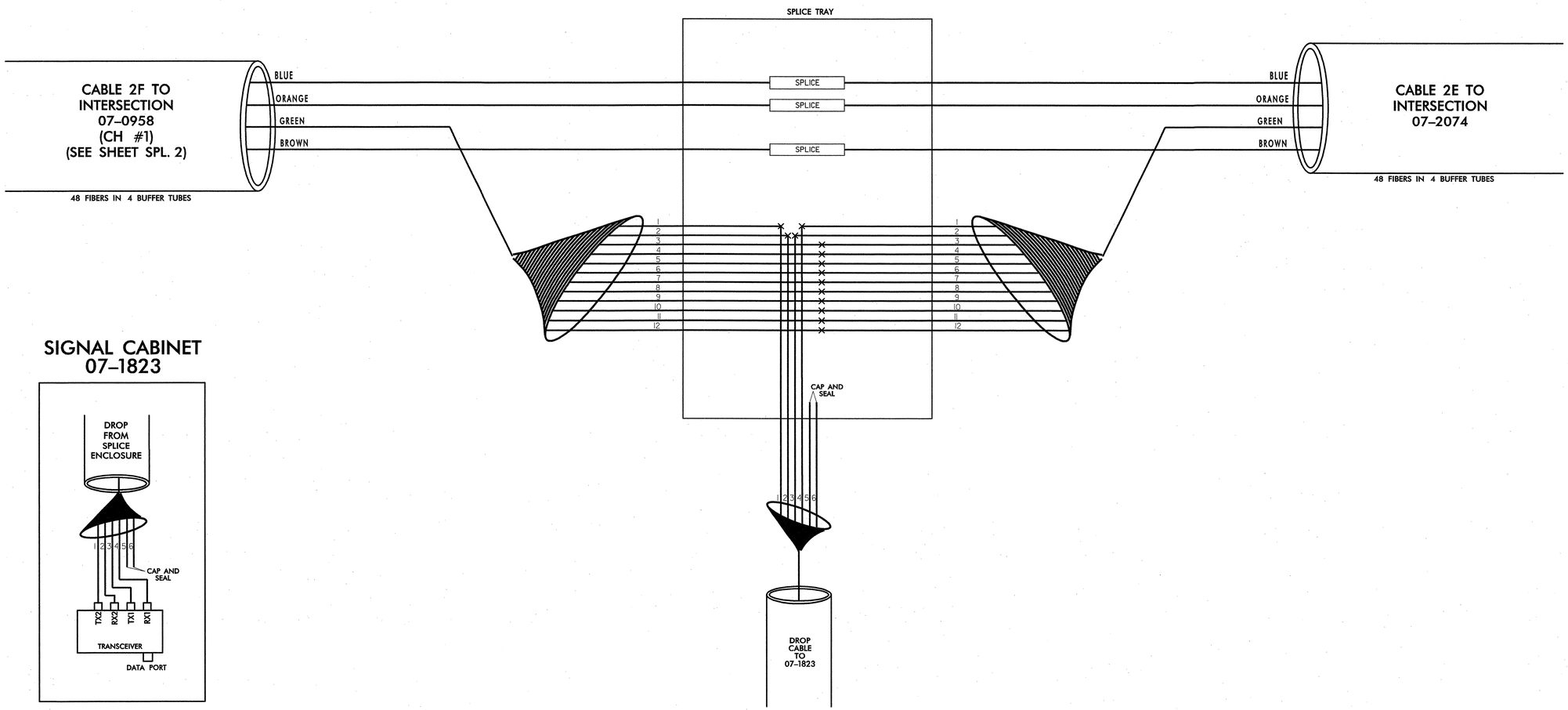
SIG. INV. 07–1823

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, AND BROWN BUFFER TUBES IN CABLE 2F TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 2E.
2. AQUA FIBER IN GREEN BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 1.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 16

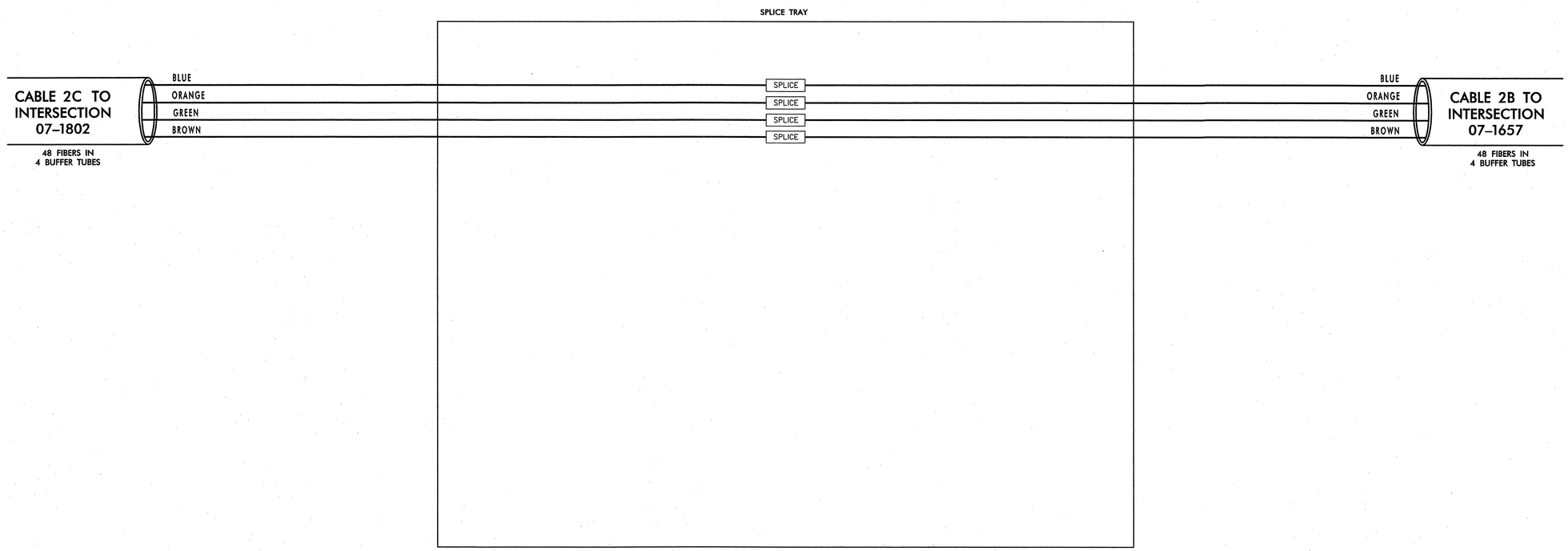
SPLICE ENCLOSURE 1 ON WEAVER DAIRY RD. BETWEEN 07-1657 AND 07-1802

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE FIBERS IN BLUE, ORANGE, GREEN, AND BROWN BUFFER TUBES IN CABLE 2C TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 2B.

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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 2

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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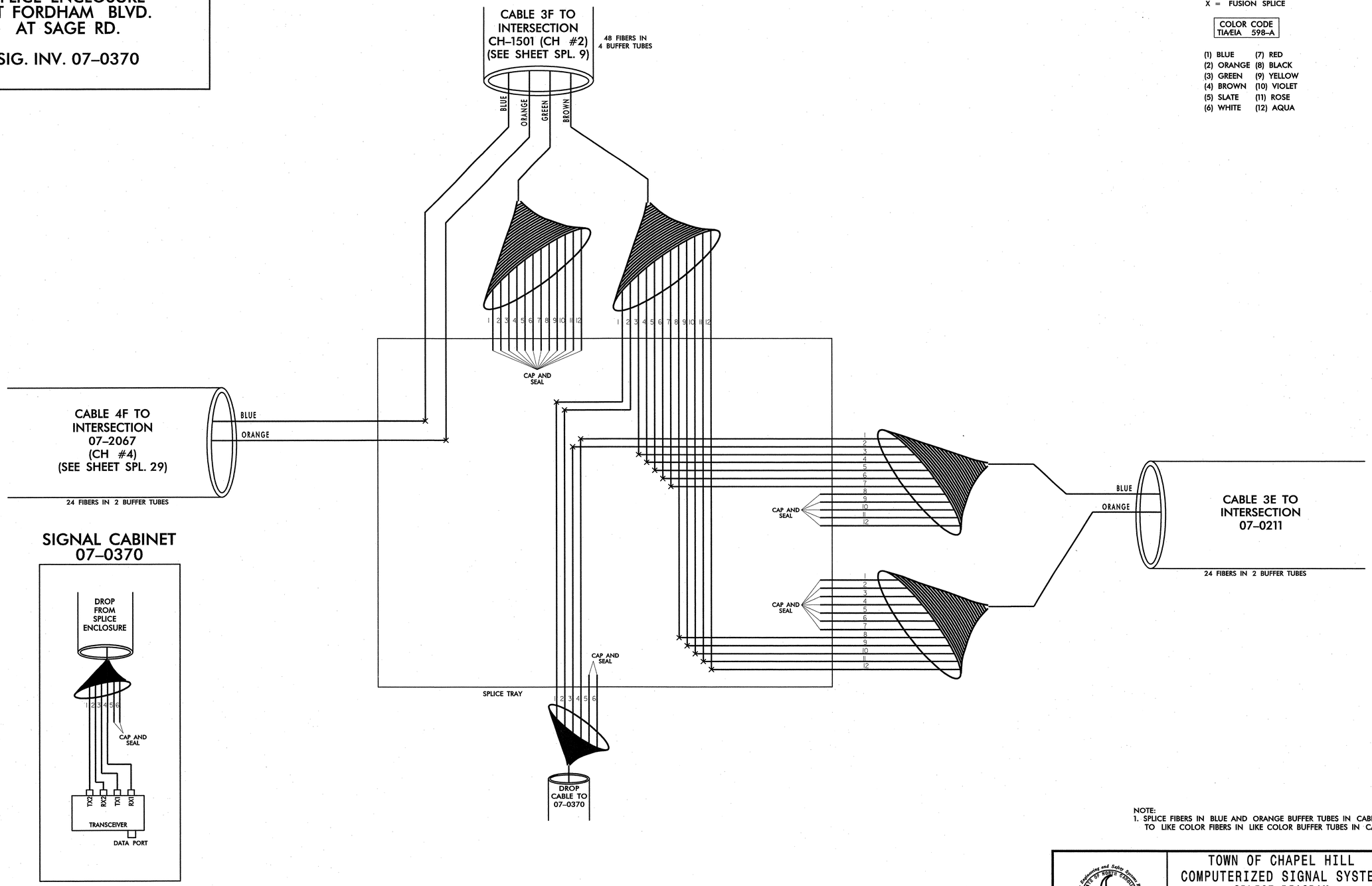
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 17

SPLICE ENCLOSURE AT FORDHAM BLVD. AT SAGE RD.

SIG. INV. 07–0370



LEGEND

X = FUSION SPLICE

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

NOTE:
1. SPLICE FIBERS IN BLUE AND ORANGE BUFFER TUBES IN CABLE 4F TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 3F.

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 Greenfield Parkway, Garner NC 27529

SCALE: NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 3

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 18

SPLICE ENCLOSURE AT FORDHAM BLVD. AT EASTOWNE DR.

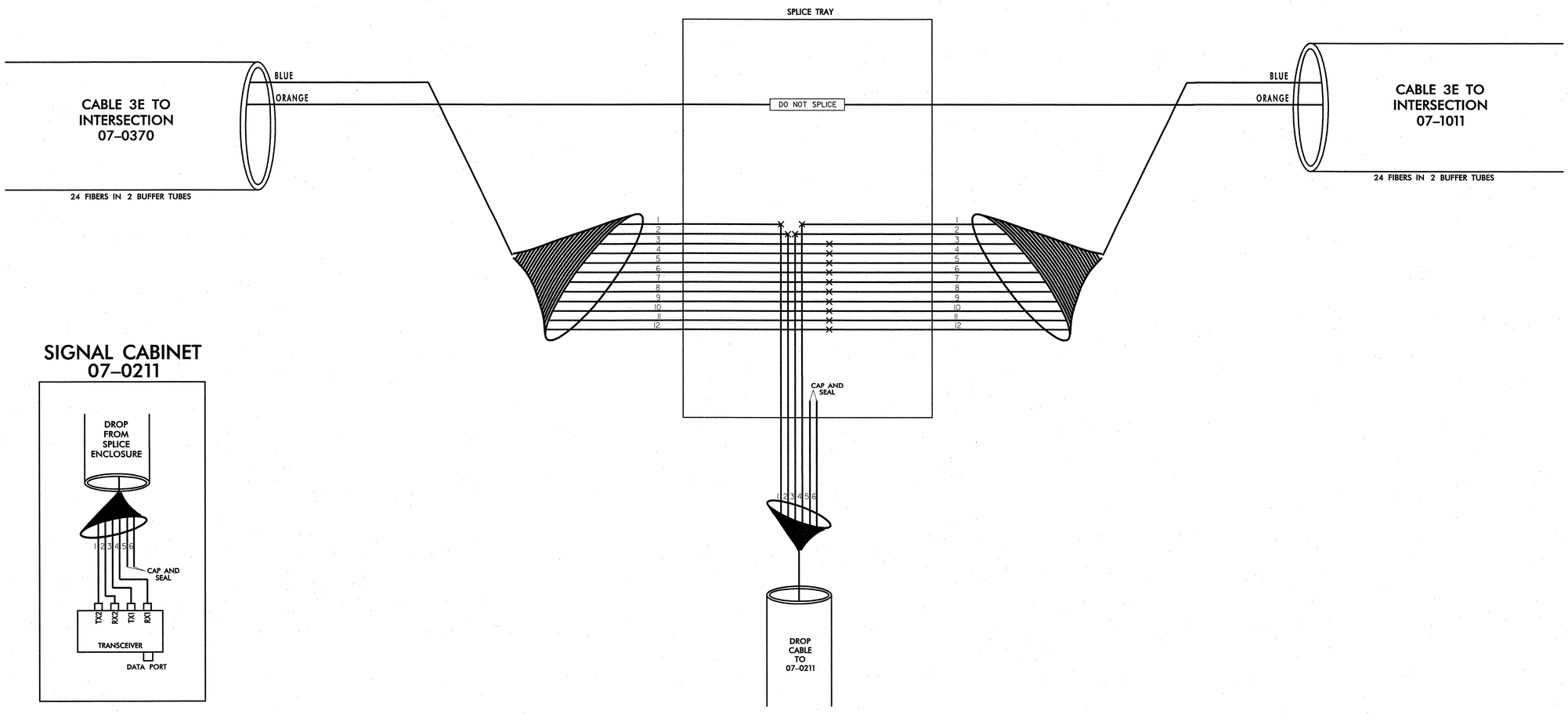
SIG. INV. 07–0211

LEGEND

X = FUSION SPLICE

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



SIGNAL CABINET 07–0211

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

12/22/2008
I:\systems\projects\011036150 (chapel hill)\splicing\spl_03_02.dgn

PLANS PREPARED IN THE OFFICE OF:

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 3

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 19

SPLICE ENCLOSURE AT FORDHAM BLVD. AT LAKEVIEW DR.

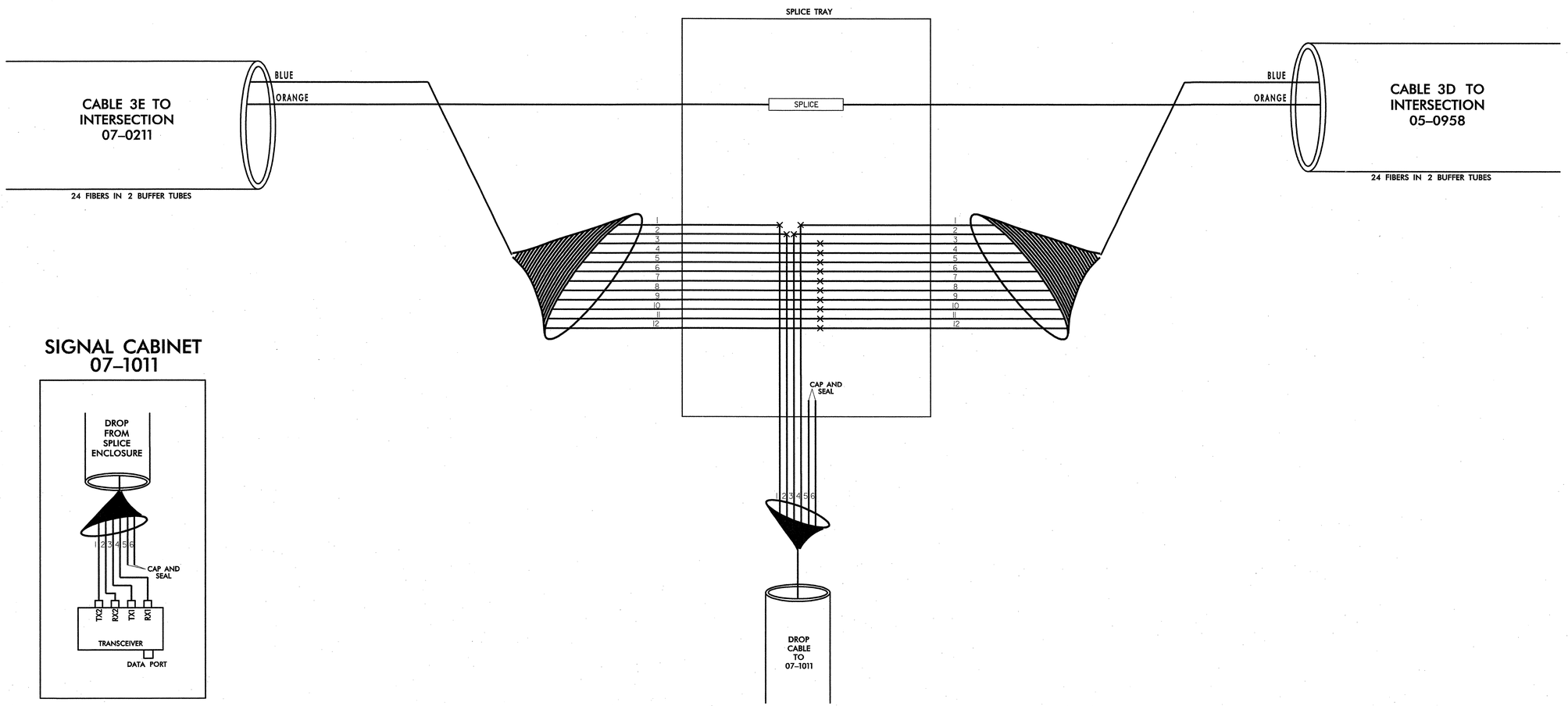
SIG. INV. 07–1011

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 3E TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBE IN CABLE 3D.

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

Intelligent Transportation Systems
Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 3

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 20

SPLICE ENCLOSURE AT US 15-501 AT I-40 EASTBOUND RAMP

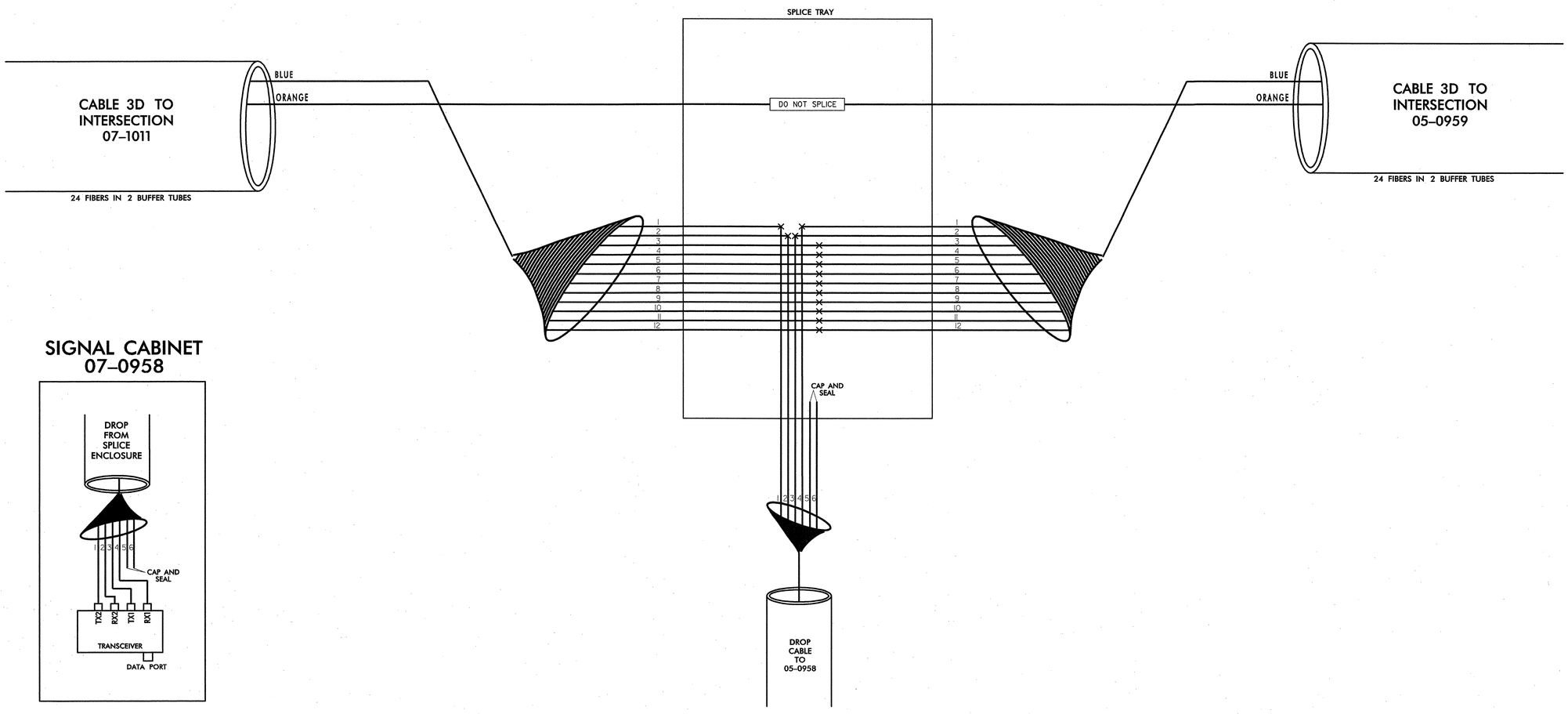
SIG. INV. 05-0958

LEGEND

X = FUSION SPLICE

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



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 3

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 21

SPLICE ENCLOSURE AT US 15–501 AT I–40 WESTBOUND RAMPS

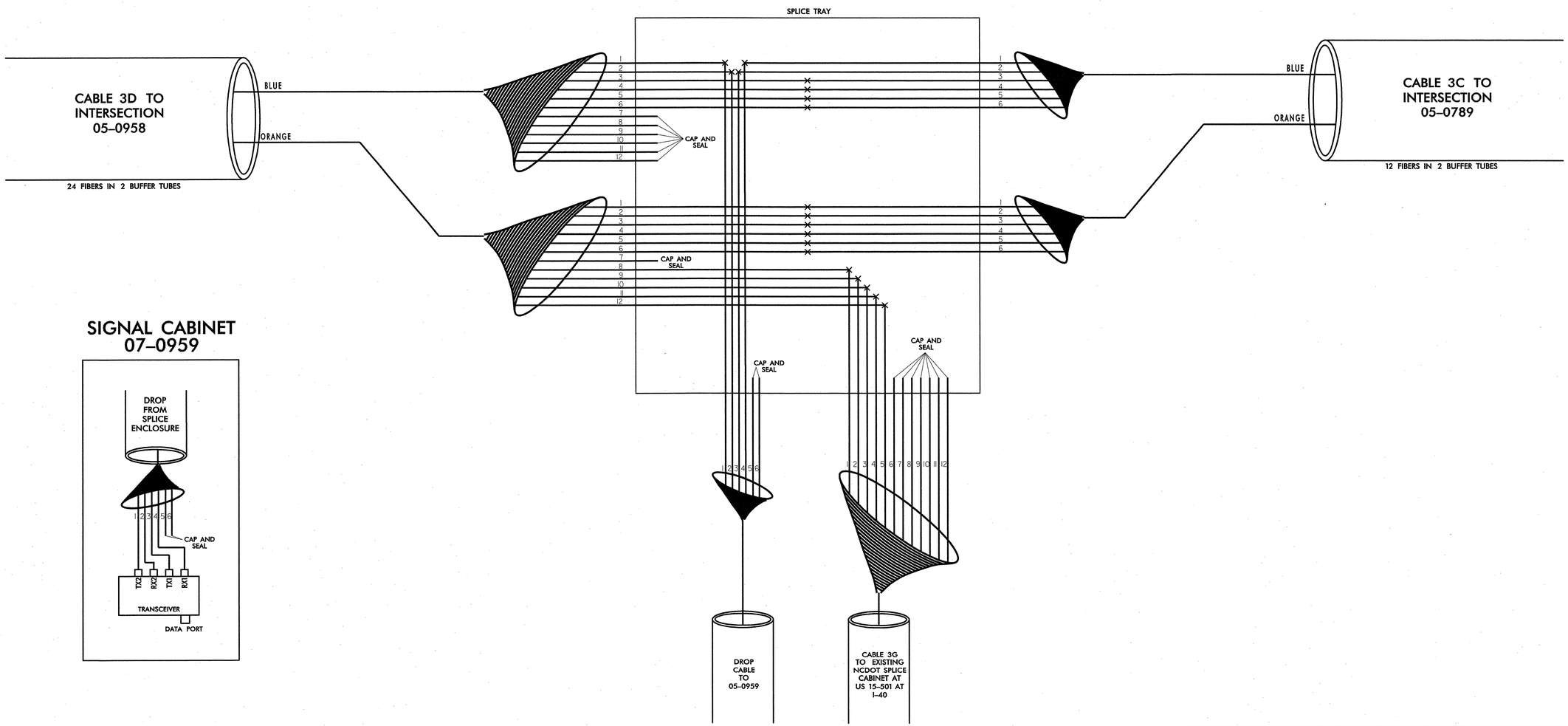
SIG. INV. 05–0959

LEGEND

X = FUSION SPLICE

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



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 Greenfield Parkway, Garner NC 27529

SCALE: 0 — NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 3

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 22

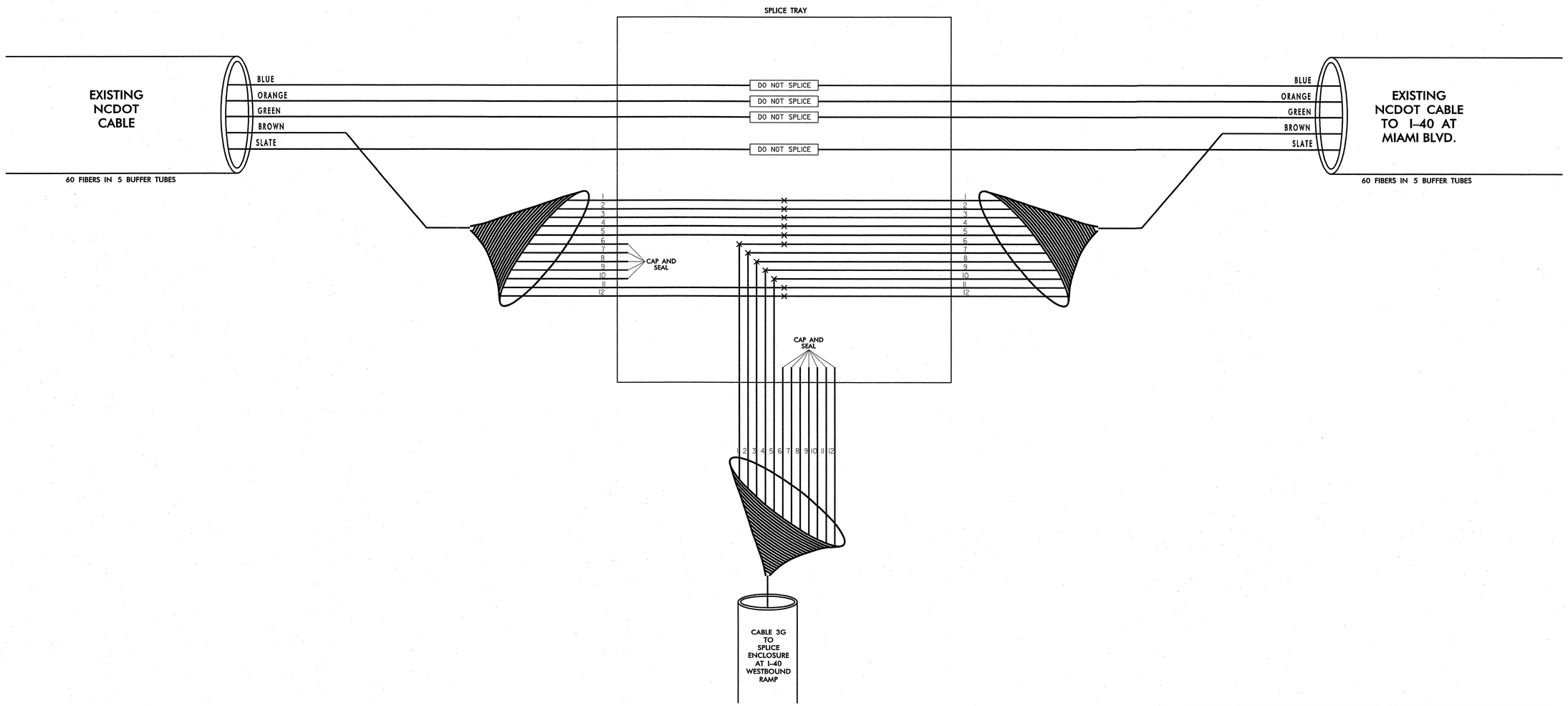
NCDOT EXISTING SPLICE CABINET AT US 15-501 AT I-40 WESTBOUND RAMP

LEGEND

X = FUSION SPLICE

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



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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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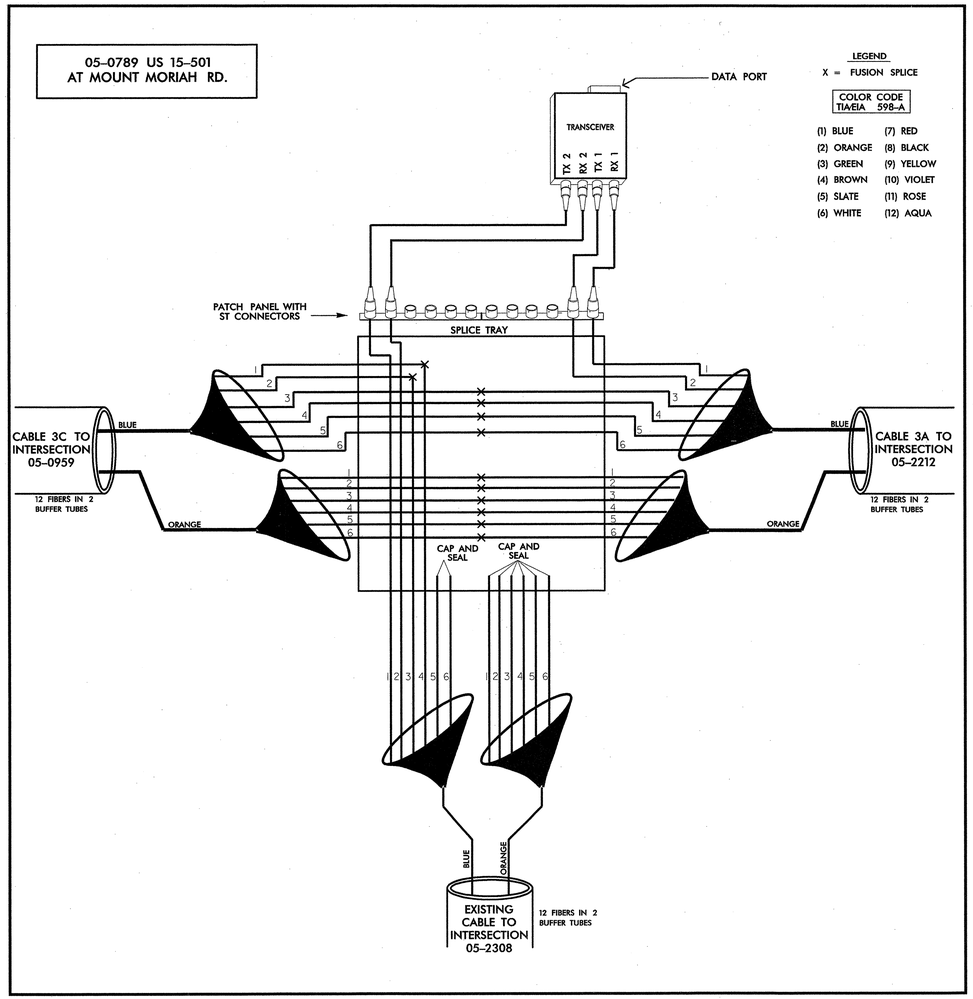
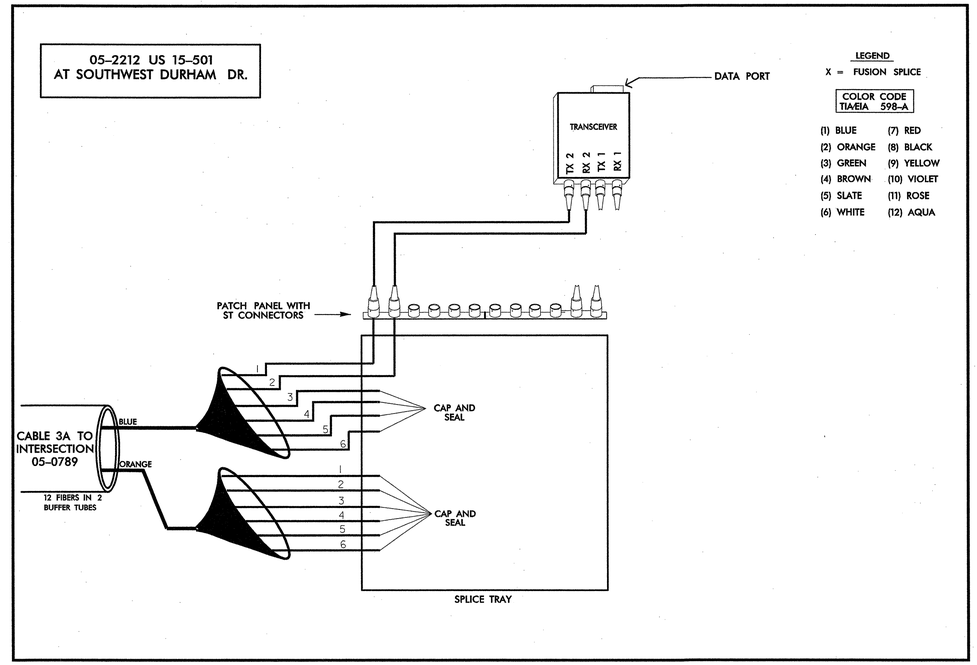
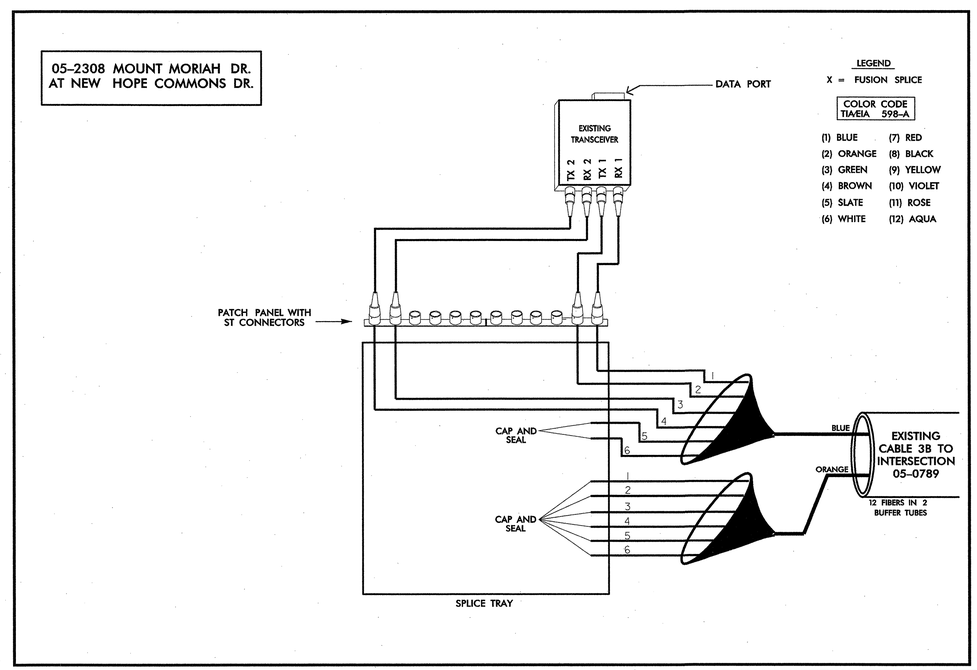
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 23







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

Public Safety and Safety Services Division
Intelligent Transportation Systems
Division of Highways
State of North Carolina Department of Transportation
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 3

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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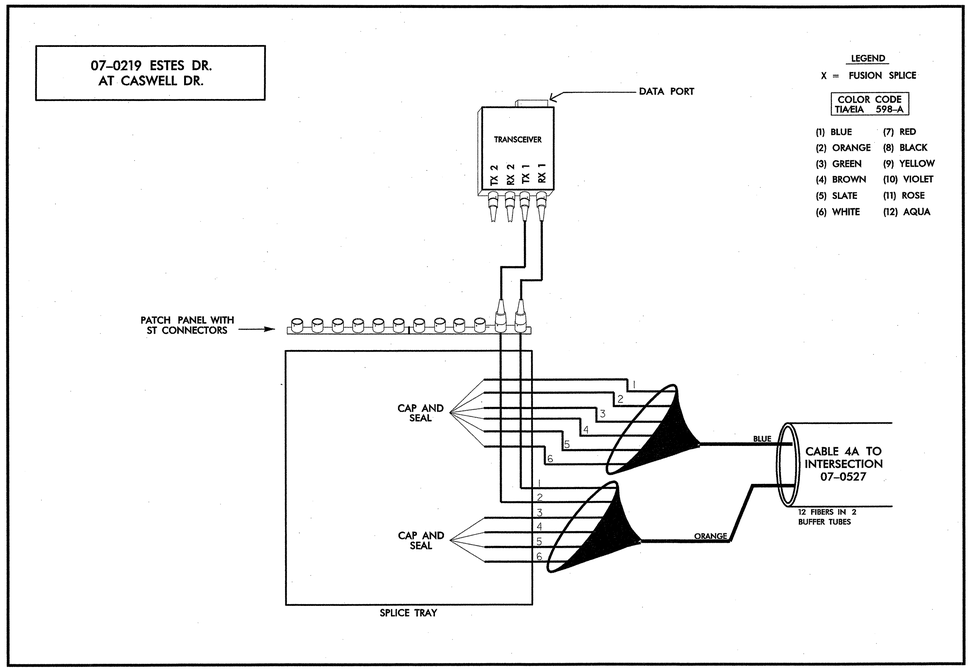
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 24



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

12/22/2008
f:\systems\projects\01103615\50 (chapel hill)\splicing\spl_04_01.dgn

PLANS PREPARED IN THE OFFICE OF:

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 4

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

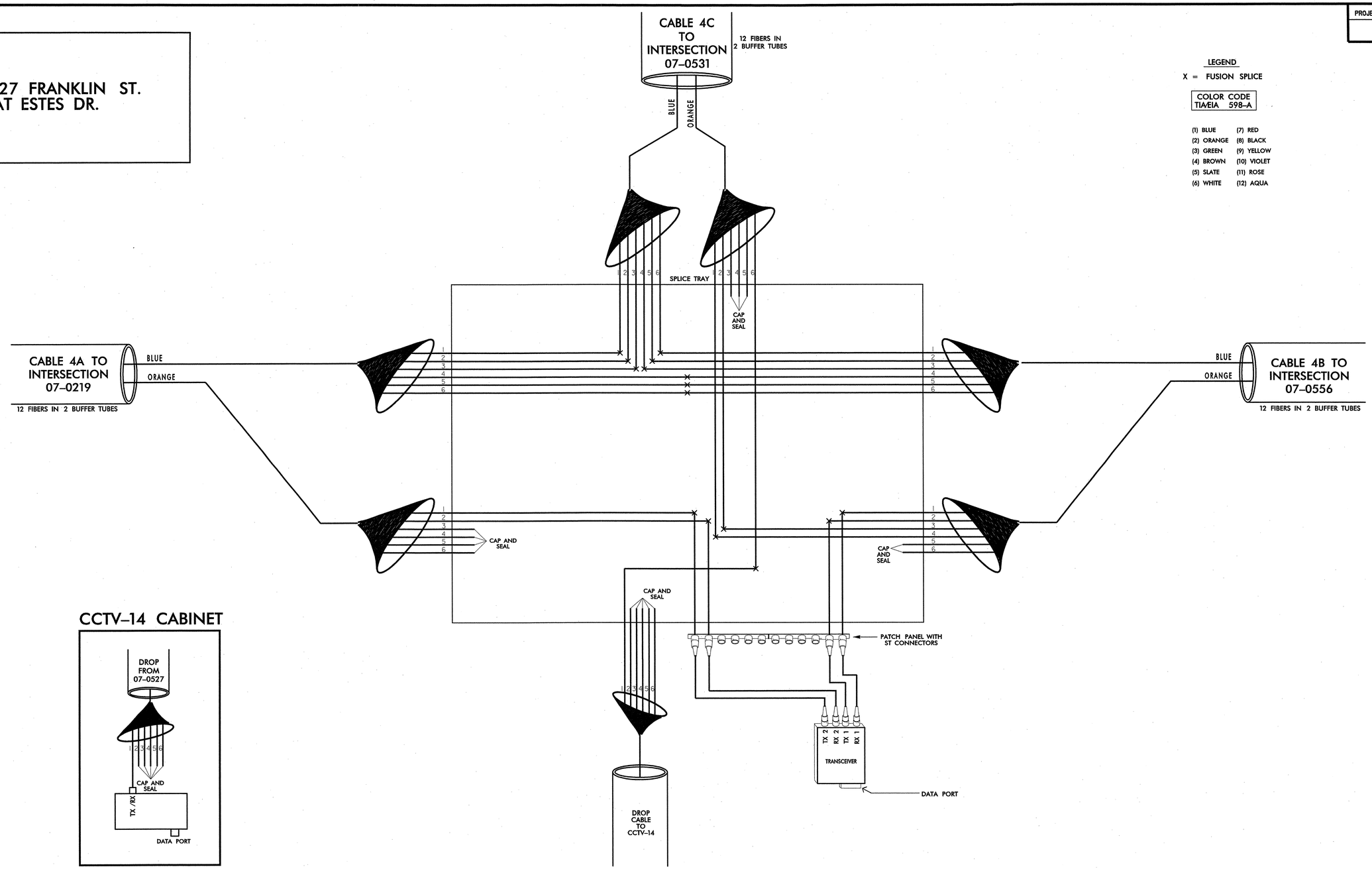
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 25

07-0527 FRANKLIN ST. AT ESTES DR.



LEGEND

X = FUSION SPLICE

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

CCTV-14 CABINET

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 Greenfield Parkway, Garner NC 27529

SCALE: NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 4

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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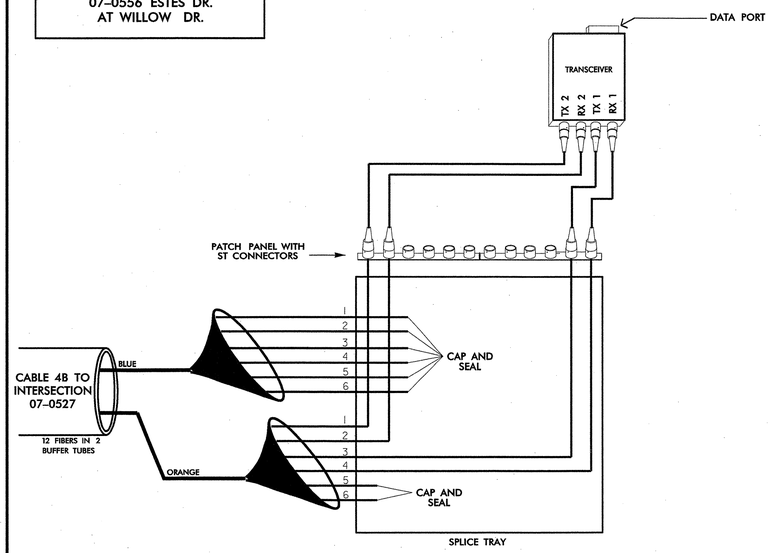
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 26

07-0556 ESTES DR. AT WILLOW DR.

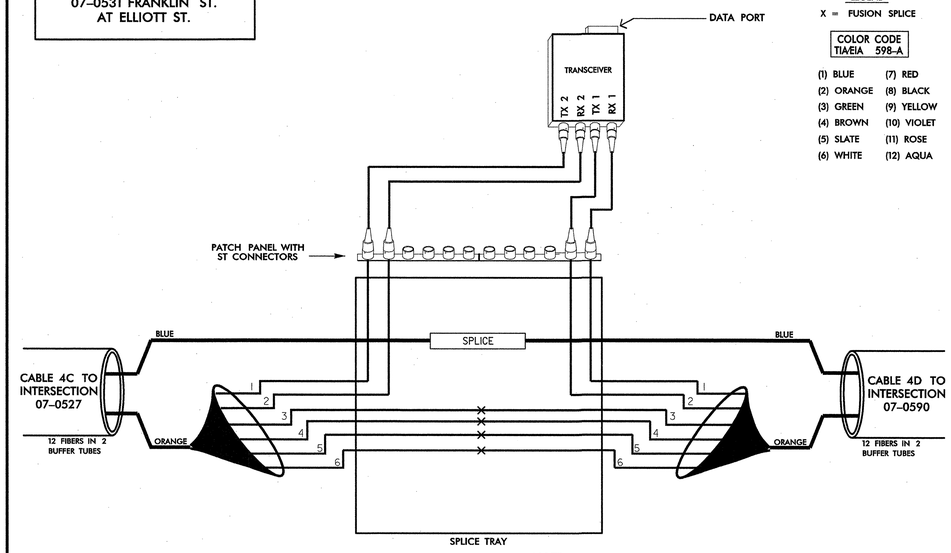


LEGEND
X = FUSION SPLICE

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

07-0531 FRANKLIN ST. AT ELLIOTT ST.



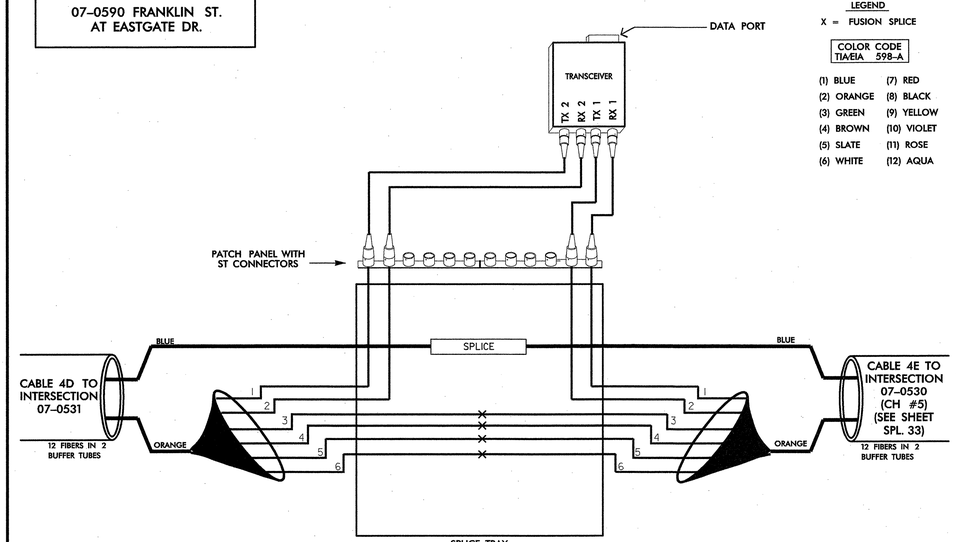
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFER TUBE IN CABLE 4C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 4D.

07-0590 FRANKLIN ST. AT EASTGATE DR.



LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFER TUBE IN CABLE 4D TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 4E.

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

Traffic Engineering and Safety System Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 4

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 27

SPLICE ENCLOSURE AT US 15-501 AT US 15-501 SOUTHBOUND U-TURN

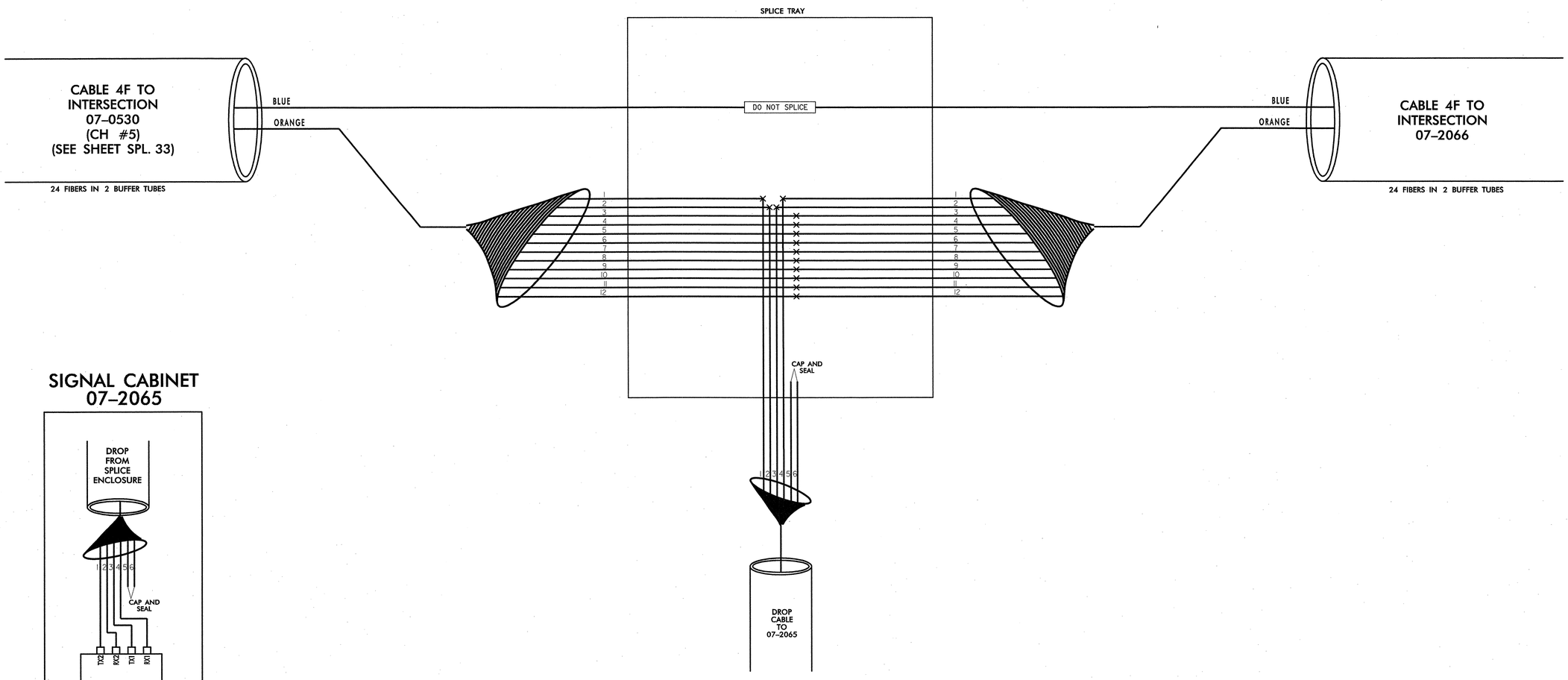
SIG. INV. 07-2065

LEGEND

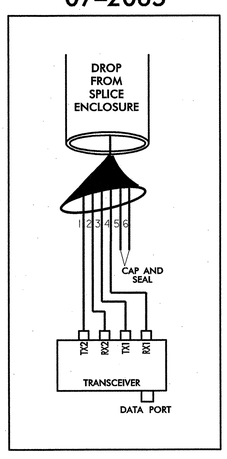
X = FUSION SPLICE

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



SIGNAL CABINET
07-2065



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 4

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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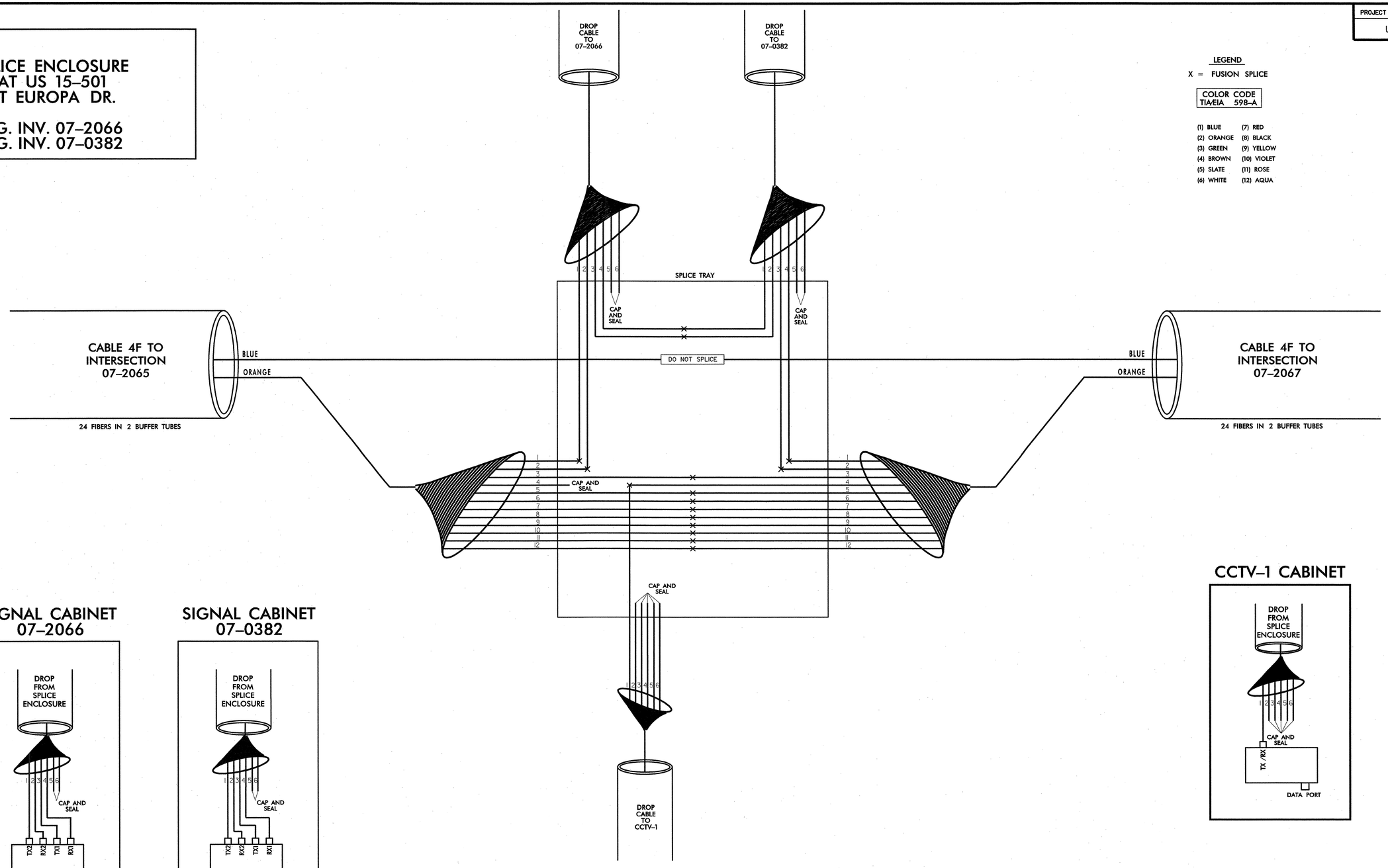
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 28

SPLICE ENCLOSURE AT US 15-501 AT EUROPA DR.

SIG. INV. 07-2066
SIG. INV. 07-0382



LEGEND

X = FUSION SPLICE

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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Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 4

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 29

SPLICE ENCLOSURE
AT US 15-501
AT US 15-501
NORTHBOUND U-TURN

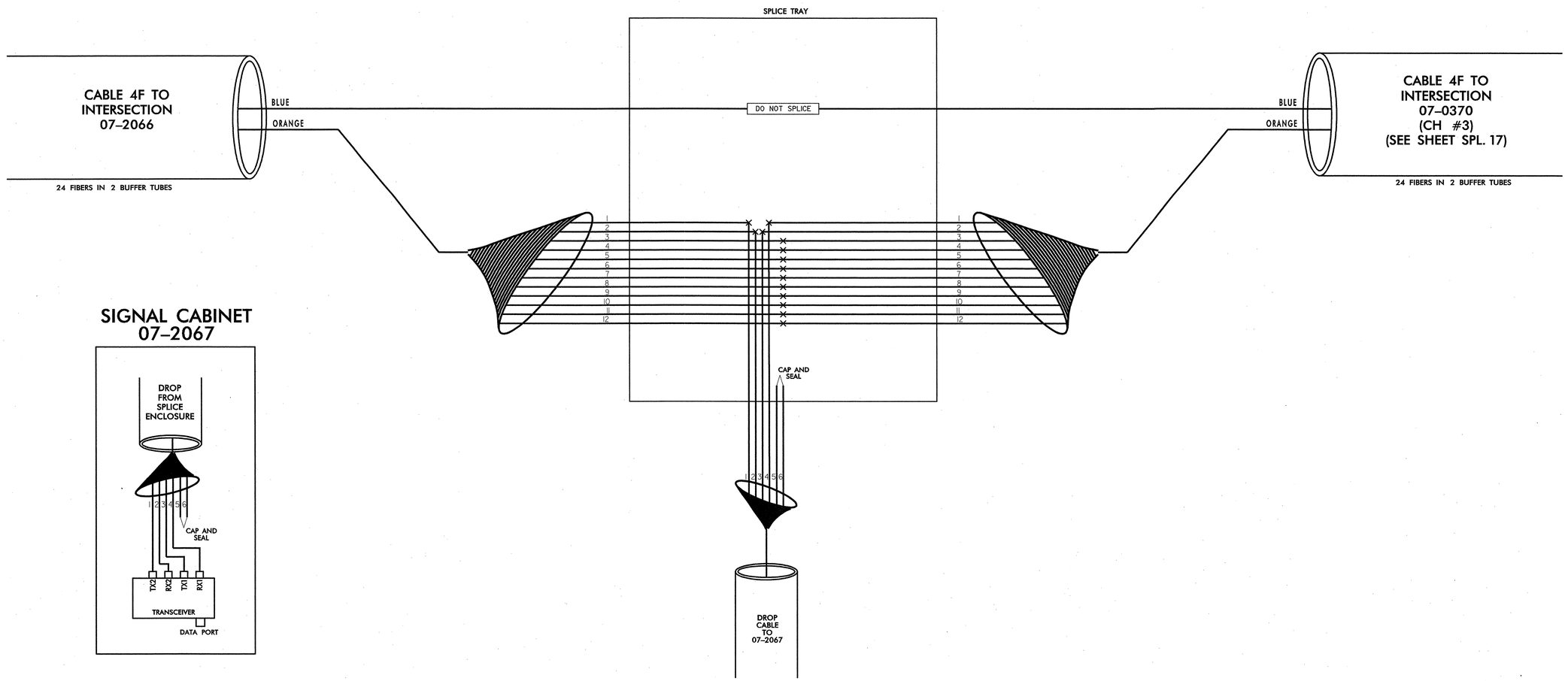
SIG. INV. 07-2067

LEGEND

X = FUSION SPLICE

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



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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 4

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-19-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 30

SPLICE ENCLOSURE AT FORDHAM BLVD. AT ESTES DR.

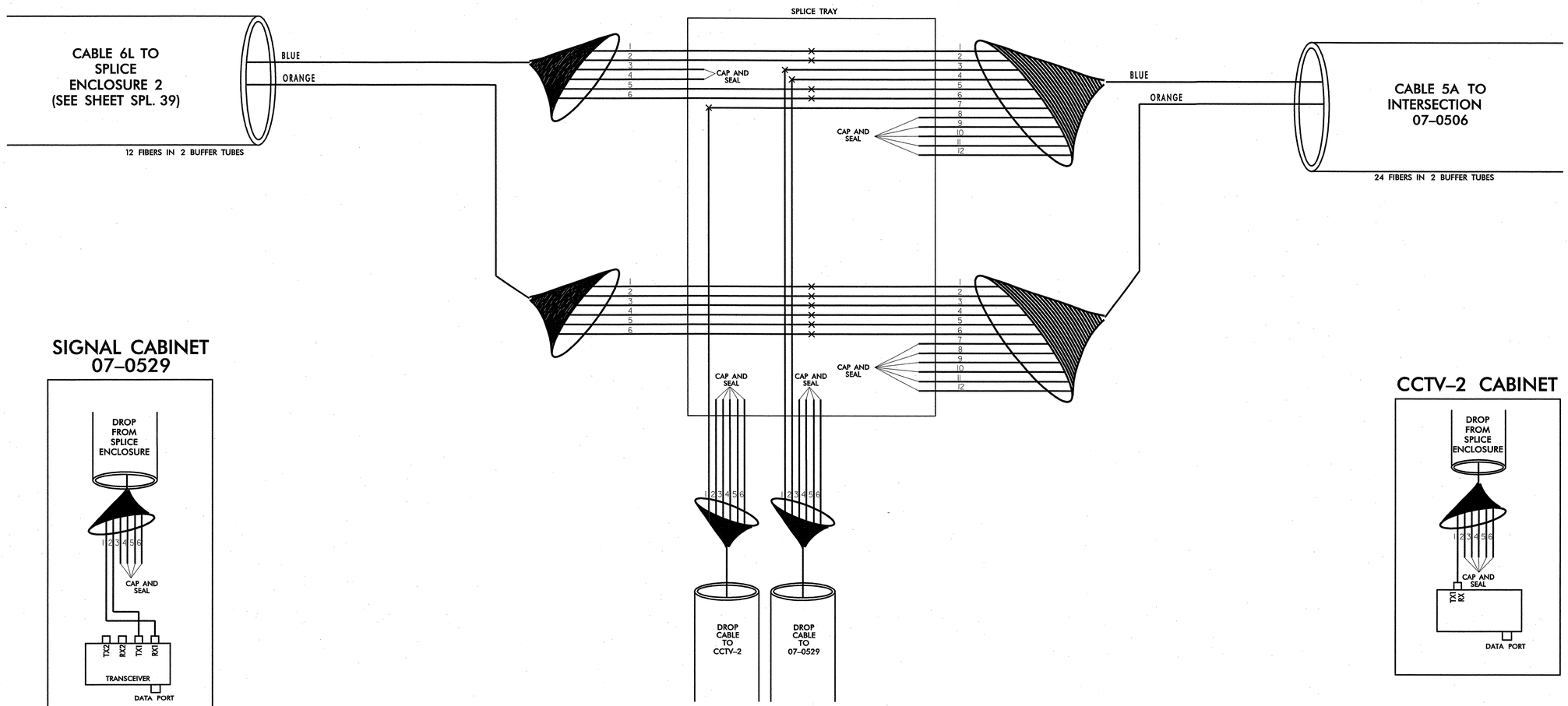
SIG. INV. 07-0529

LEGEND

X = FUSION SPLICE

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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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 Systems Branch
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE: NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 5

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 31

SPLICE ENCLOSURE AT FORDHAM BLVD. AT WILLOW DR.

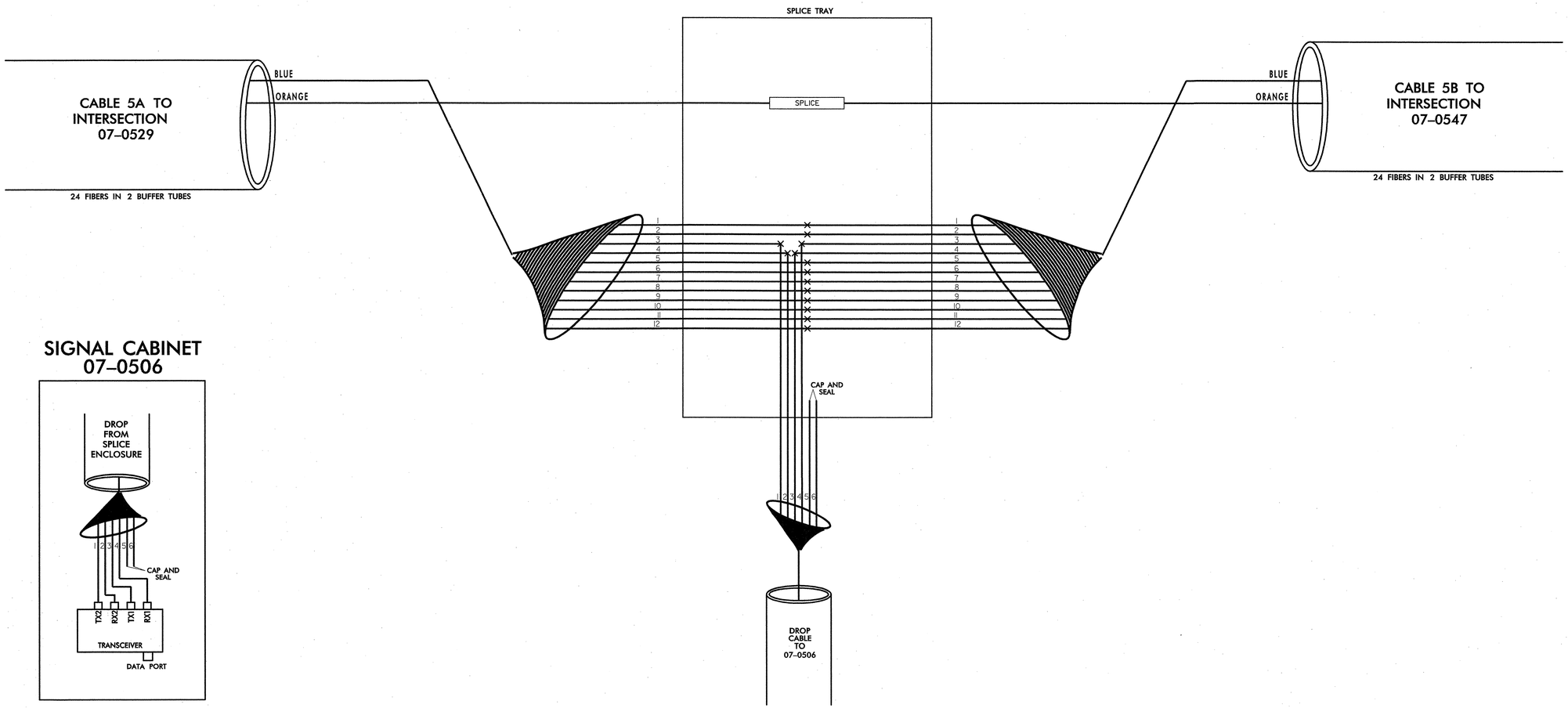
SIG. INV. 07-0506

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 5A TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 5B.

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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM

SPLICE DIAGRAM

CHANNEL 5

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-21-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 32

SPLICE ENCLOSURE AT FORDHAM BLVD. AT ELLIOTT RD.

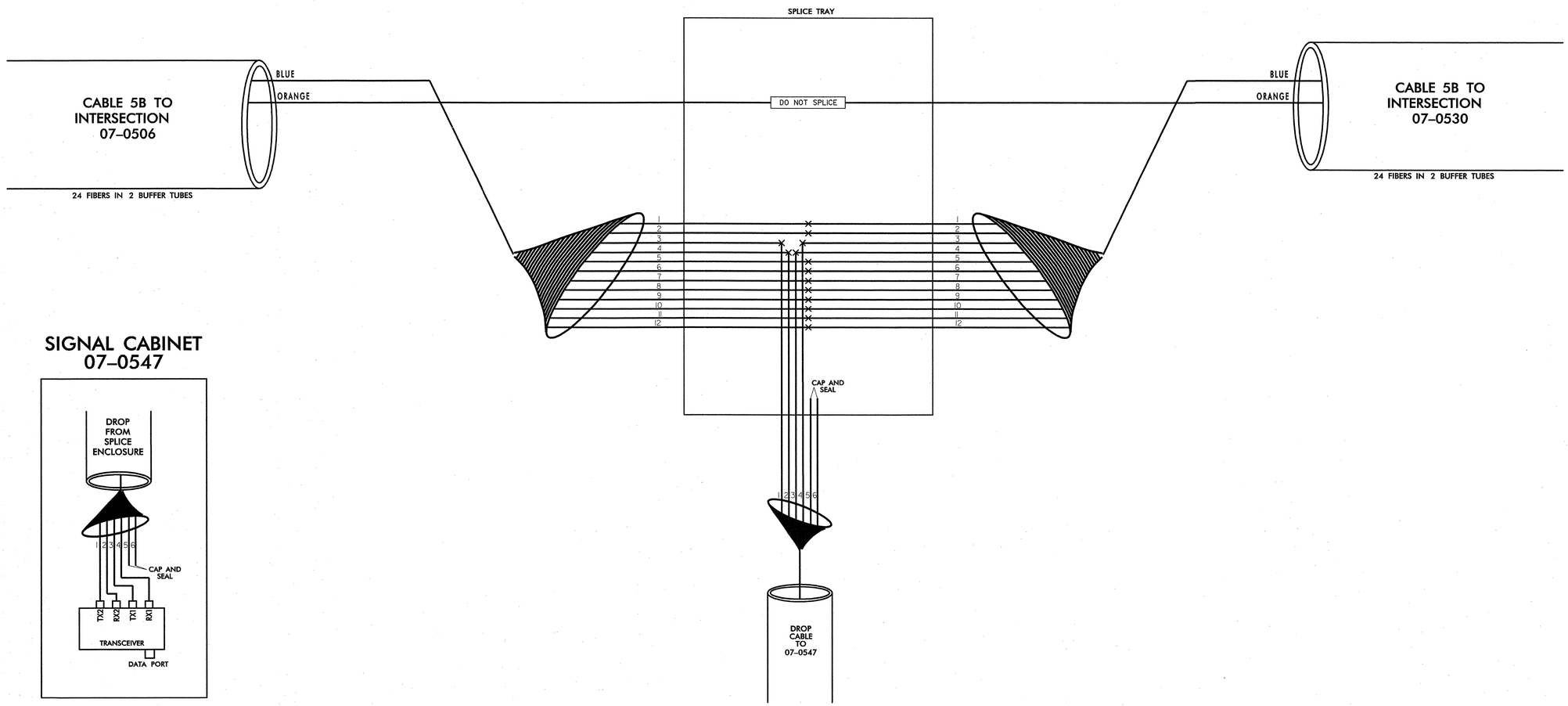
SIG. INV. 07-0547

LEGEND

X = FUSION SPLICE

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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PLANS PREPARED IN THE OFFICE OF:

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

SCALE
0
NONE

Public Transportation and Safety Systems Unit
Division of Highways
State of North Carolina Department of Transportation
750 Greenfield Parkway, Garner NC 27529

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 5

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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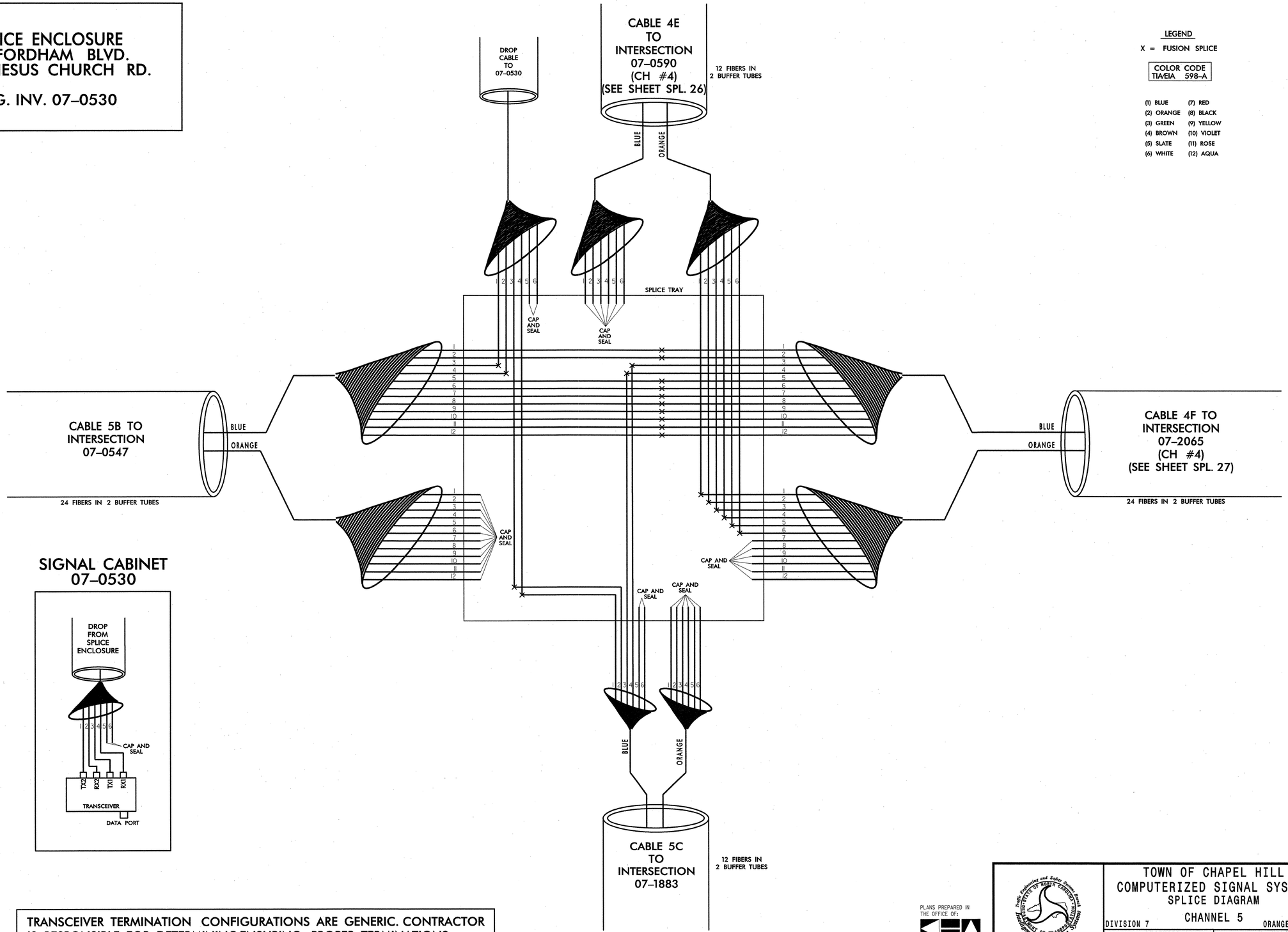
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 33

SPLICE ENCLOSURE AT FORDHAM BLVD. AT EPHESUS CHURCH RD.

SIG. INV. 07–0530



LEGEND

X = FUSION SPLICE

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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PLANS PREPARED IN THE OFFICE OF:

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 5

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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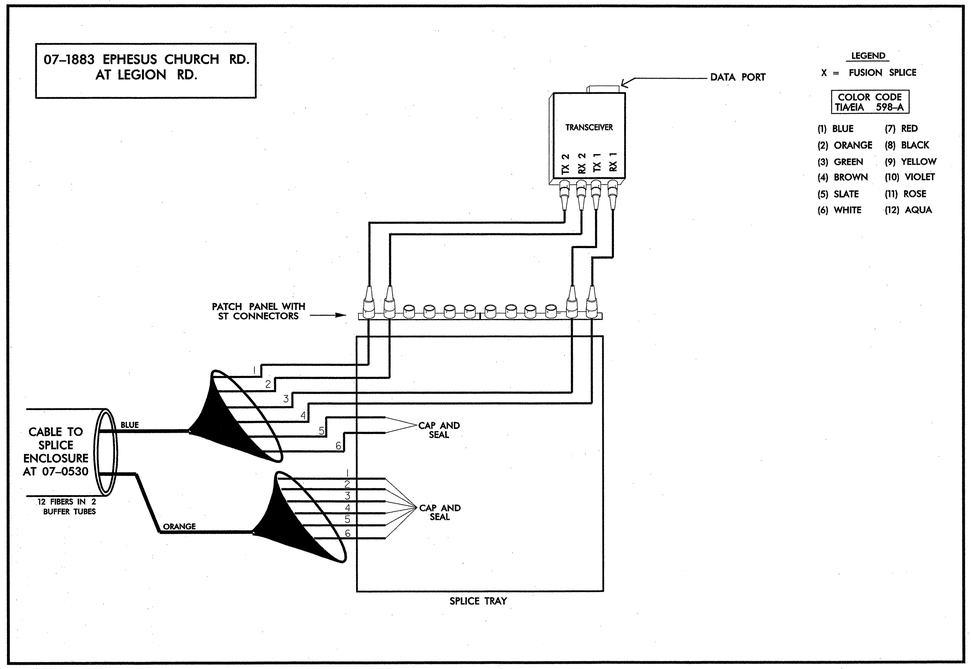
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 34



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

12/22/2008
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Raleigh N.C. 27636-3068
(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 5

DIVISION 7 — ORANGE COUNTY

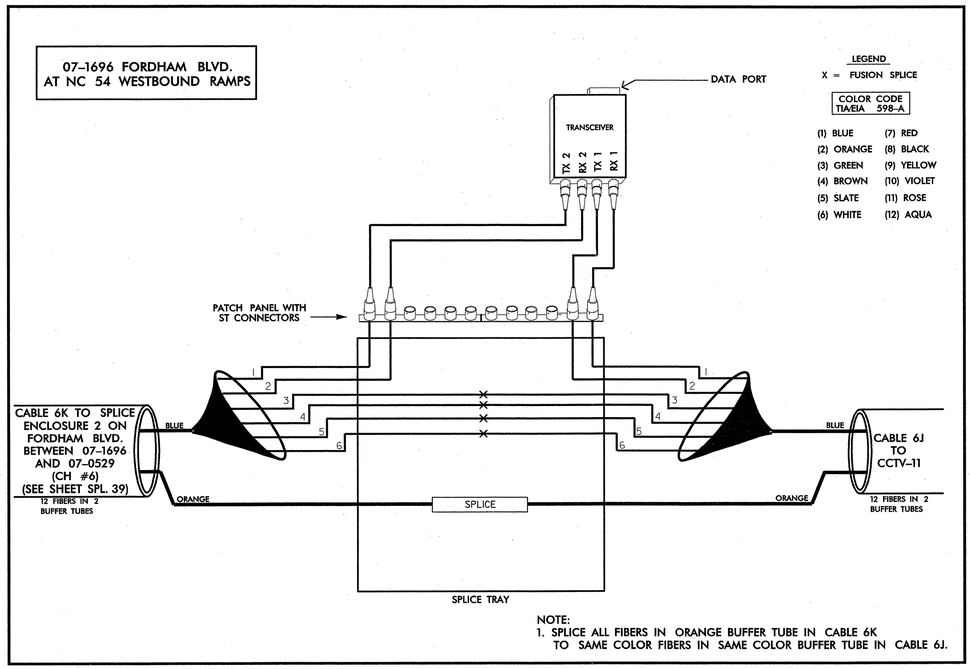
PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

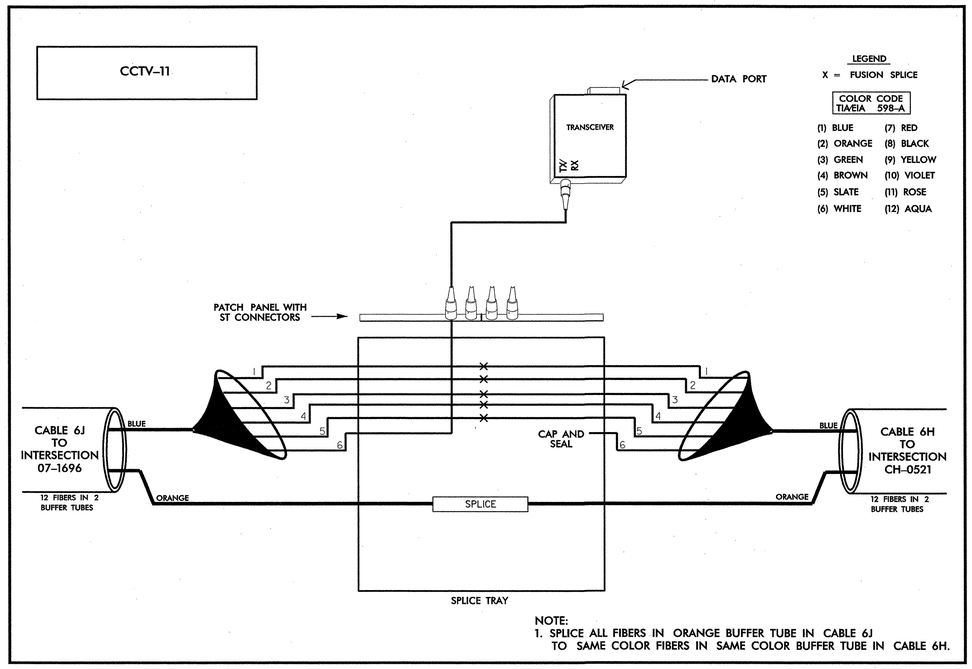
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 35



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 6K TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 6J.



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 6J TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 6H.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 6

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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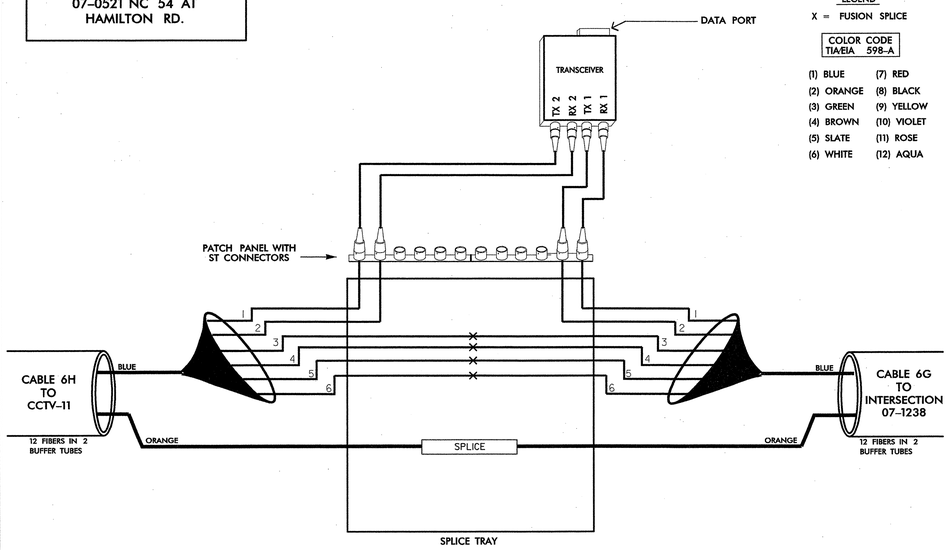
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 36

07-0521 NC 54 AT HAMILTON RD.



LEGEND

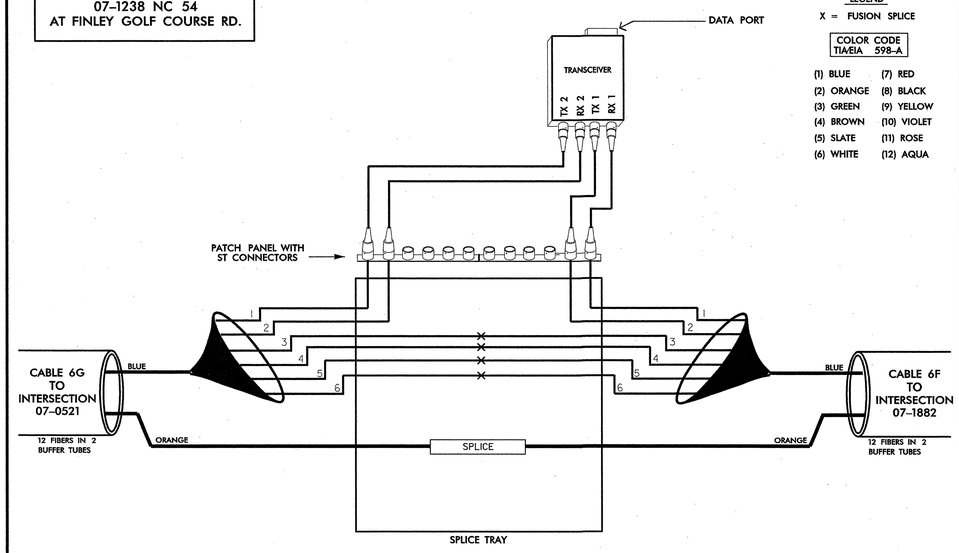
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 6H TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 6G.

07-1238 NC 54 AT FINLEY GOLF COURSE RD.



LEGEND

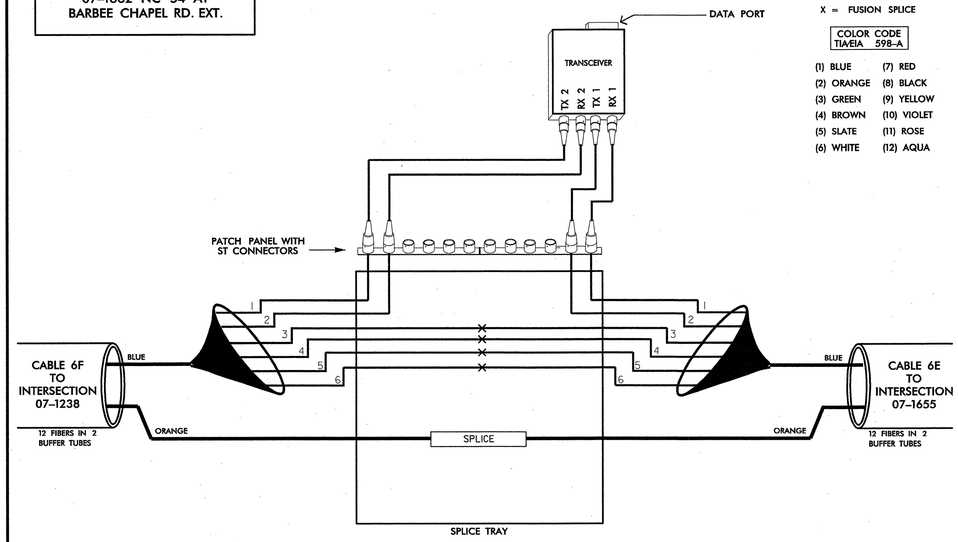
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 6G TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 6F.

07-1882 NC 54 AT BARBEE CHAPEL RD. EXT.



LEGEND

X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 6F TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 6E.

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

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I:\systems\projects\01\036150 (chapel hill)\splicing\spl_06_02.dgn

PLANS PREPARED IN THE OFFICE OF:

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 6

DIVISION 7 — ORANGE COUNTY

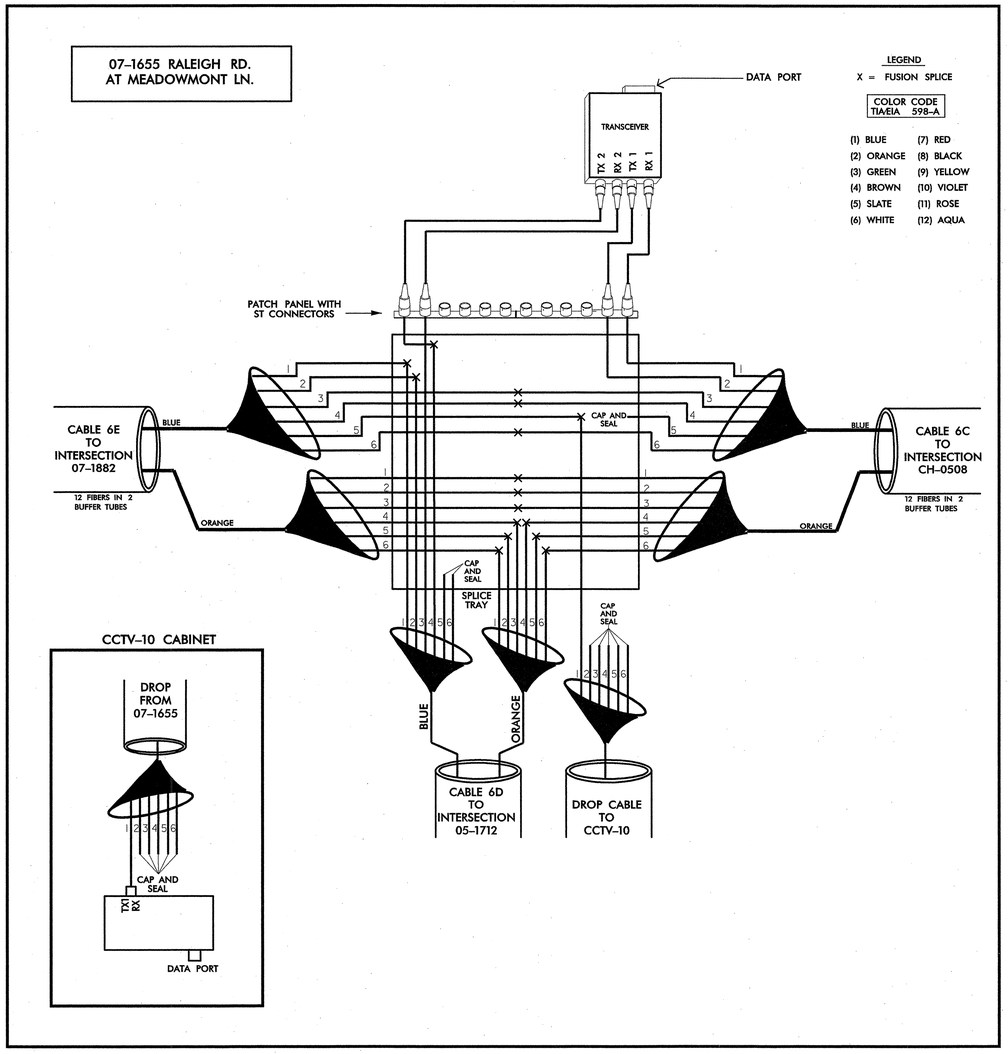
PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

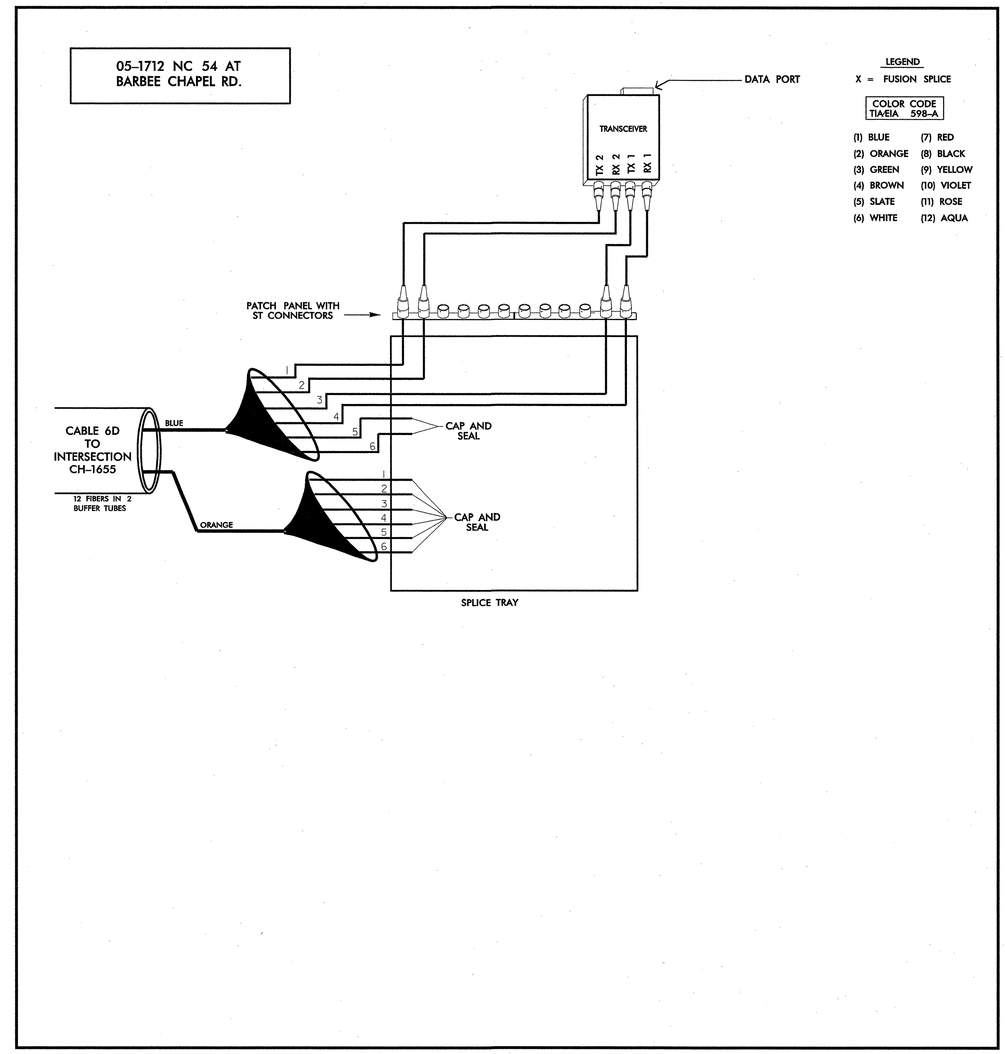
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 37





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

12/22/2008
I:\systems\projects\01\036150 (chapel hill)\spl\chg\spl_06_03.dgn

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 6

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

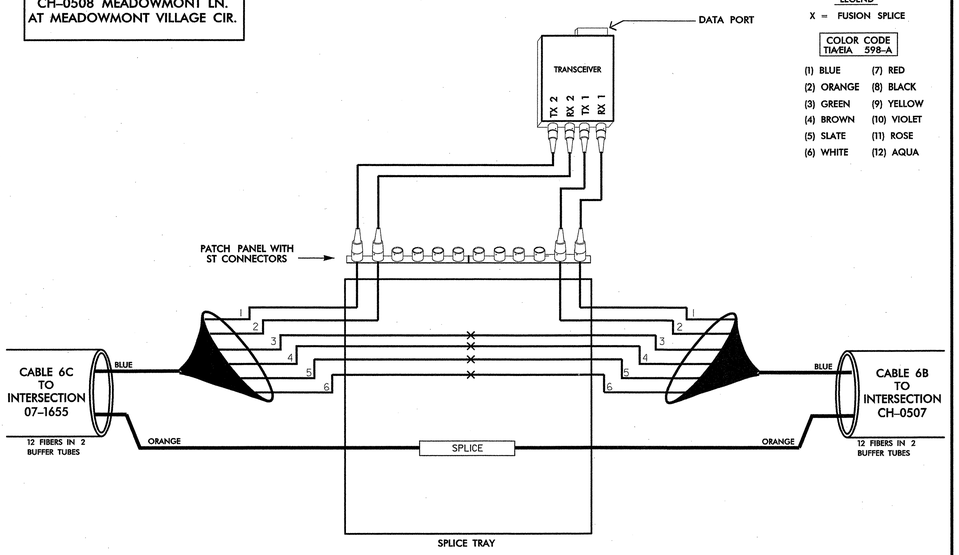
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 38

CH-0508 MEADOWMONT LN.
AT MEADOWMONT VILLAGE CIR.



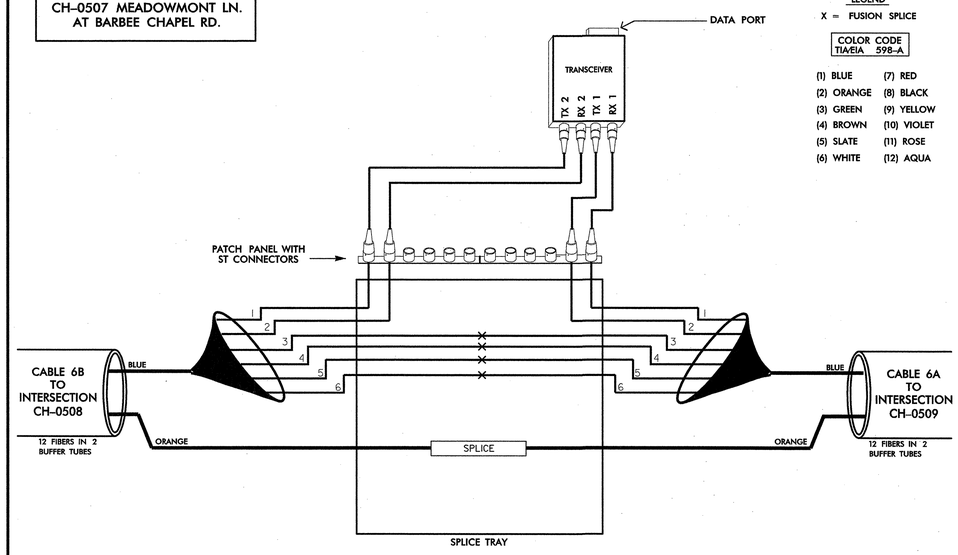
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 6C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 6B.

CH-0507 MEADOWMONT LN.
AT BARBEE CHAPEL RD.



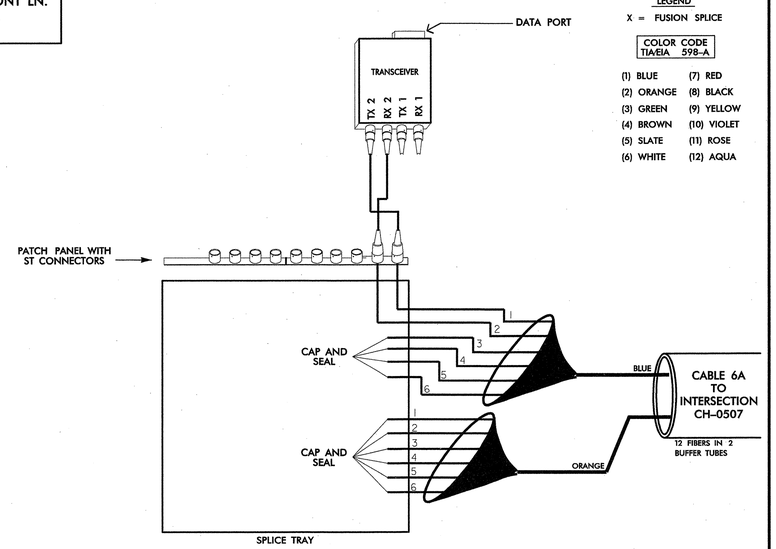
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 6B TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 6A.

CH-0509 MEADOWMONT LN.
AT SPRUNT ST.



LEGEND
X = FUSION SPLICE

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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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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 6

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 39

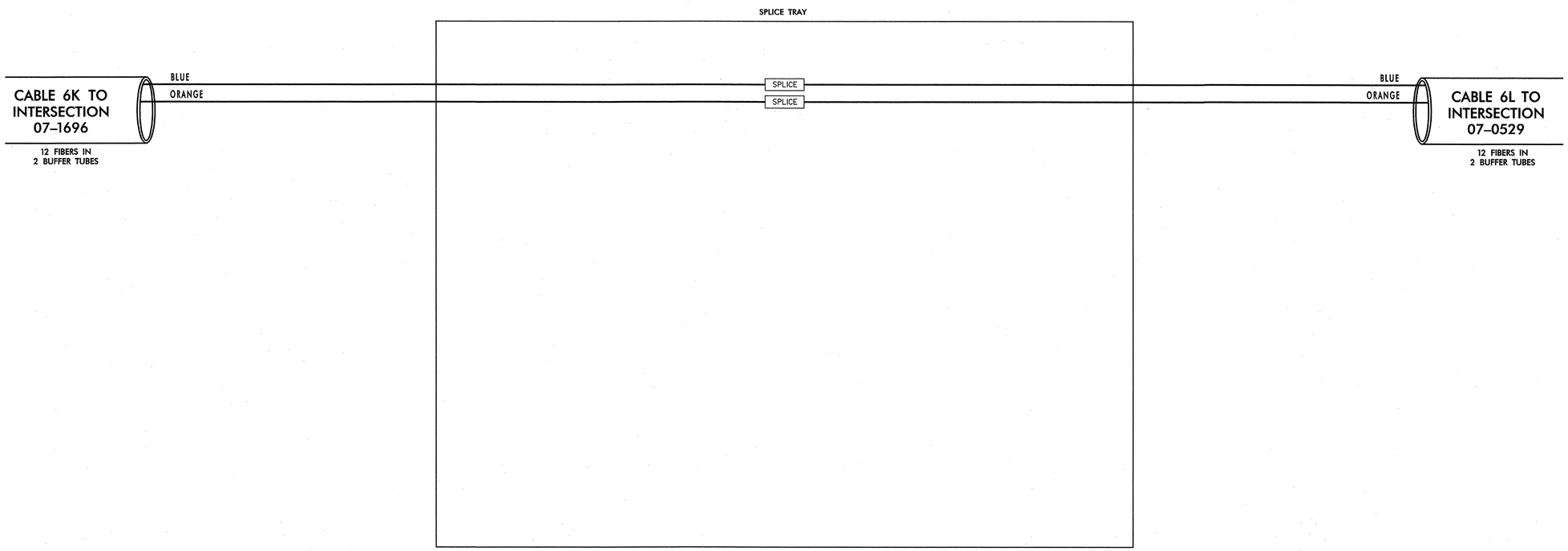
SPLICE ENCLOSURE 2 ON FORDHAM BLVD. BETWEEN 07-1696 AND 07-0529

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN BLUE AND ORANGE BUFFER TUBES IN CABLE 6K TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 6L.

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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 6

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 40

SPLICE ENCLOSURE AT MARTIN LUTHER KING JR. BLVD. AND HILLSBOROUGH ST.

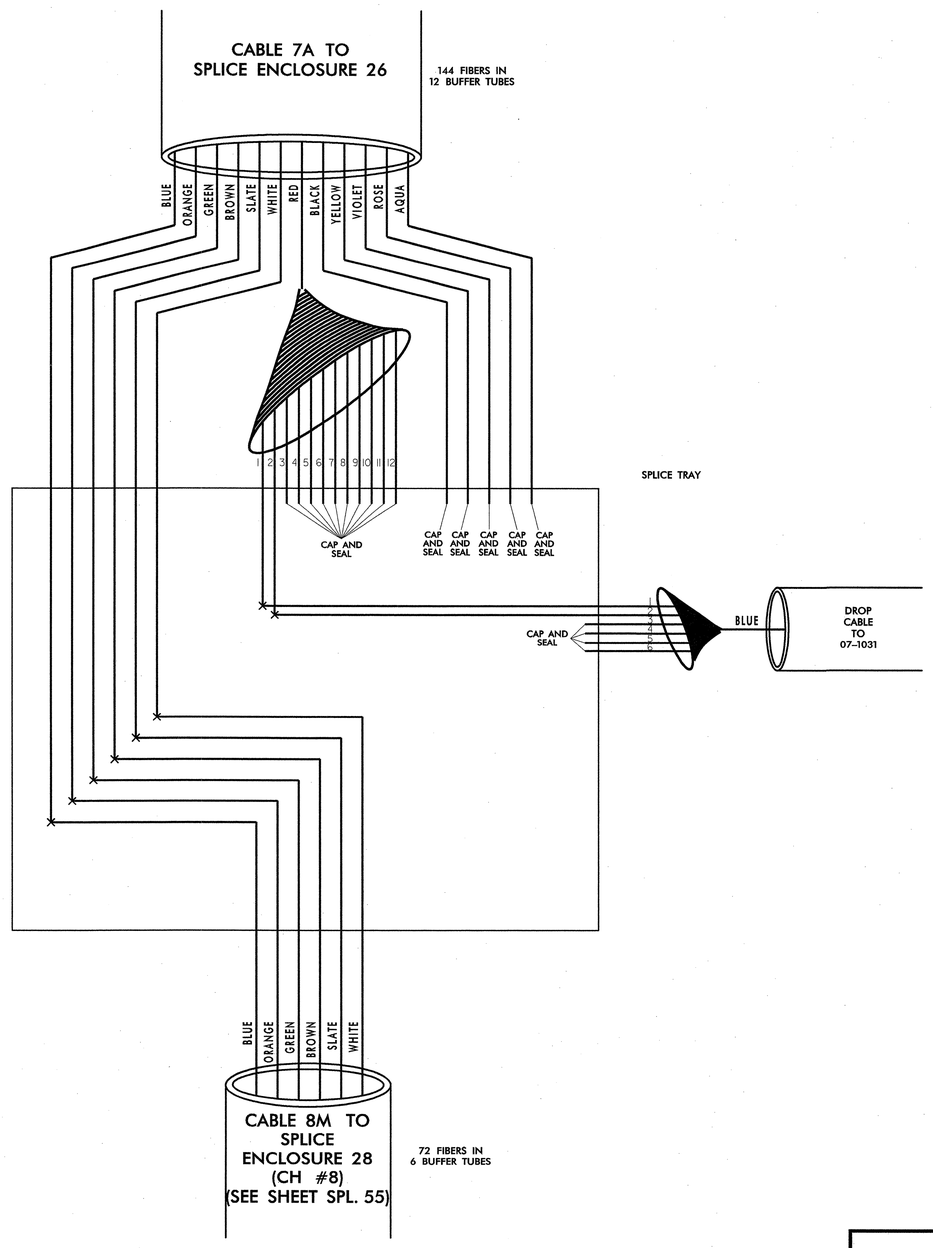
SIG. INV. 07–1031

LEGEND

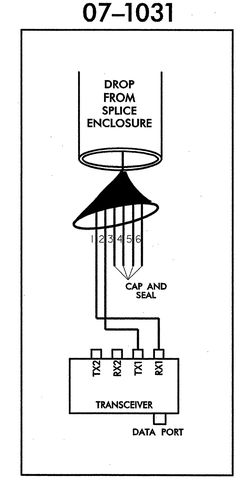
X = FUSION SPLICE

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



SIGNAL CABINET 07–1031



NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, AND WHITE BUFFFER TUBES IN CABLE 8M TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 7A.

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

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(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 41

SPLICE ENCLOSURE 26 AT CHAPEL HILL POLICE DEPT. ON MARTIN LUTHER KING JR. BLVD.

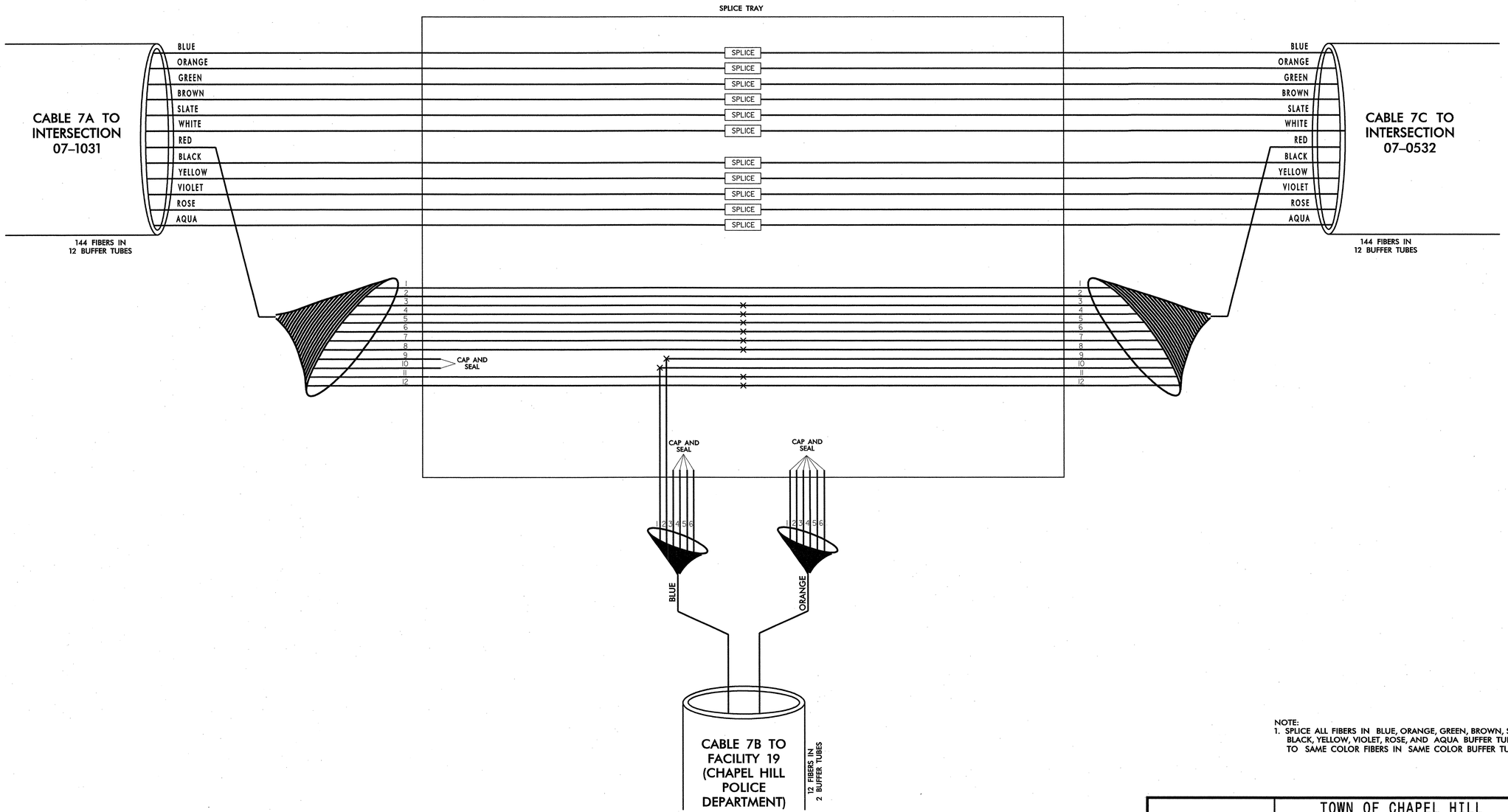
(FACILITY 19)

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE 7A TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 7C.

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

Public Engineering and Safety Services Division
Traffic Engineering Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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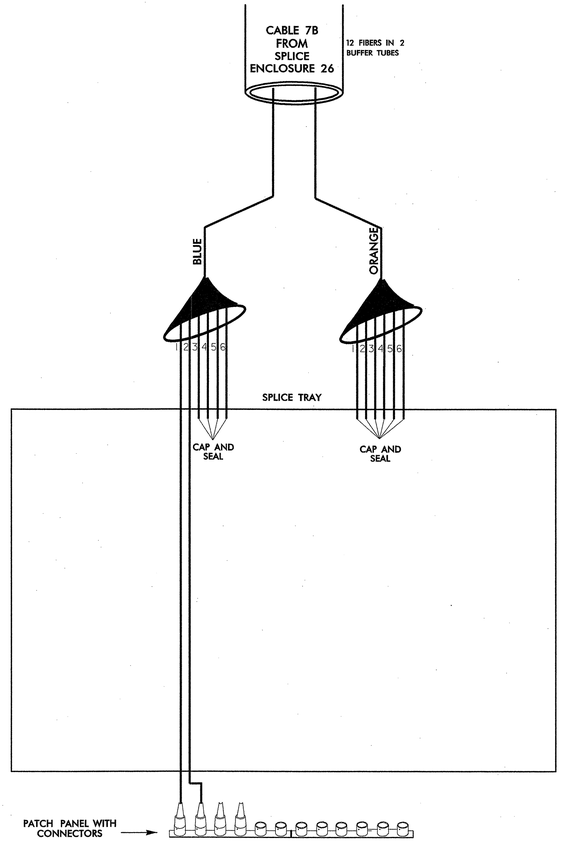
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 42

FACILITY 19
CHAPEL HILL POLICE DEPT.



LEGEND

X = FUSION SPLICE

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

NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY – ACTUAL EQUIPMENT FORM MAY VARY.

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

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SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 43

SPLICE ENCLOSURE AT MARTIN LUTHER KING JR. BLVD. AT ESTES DR.

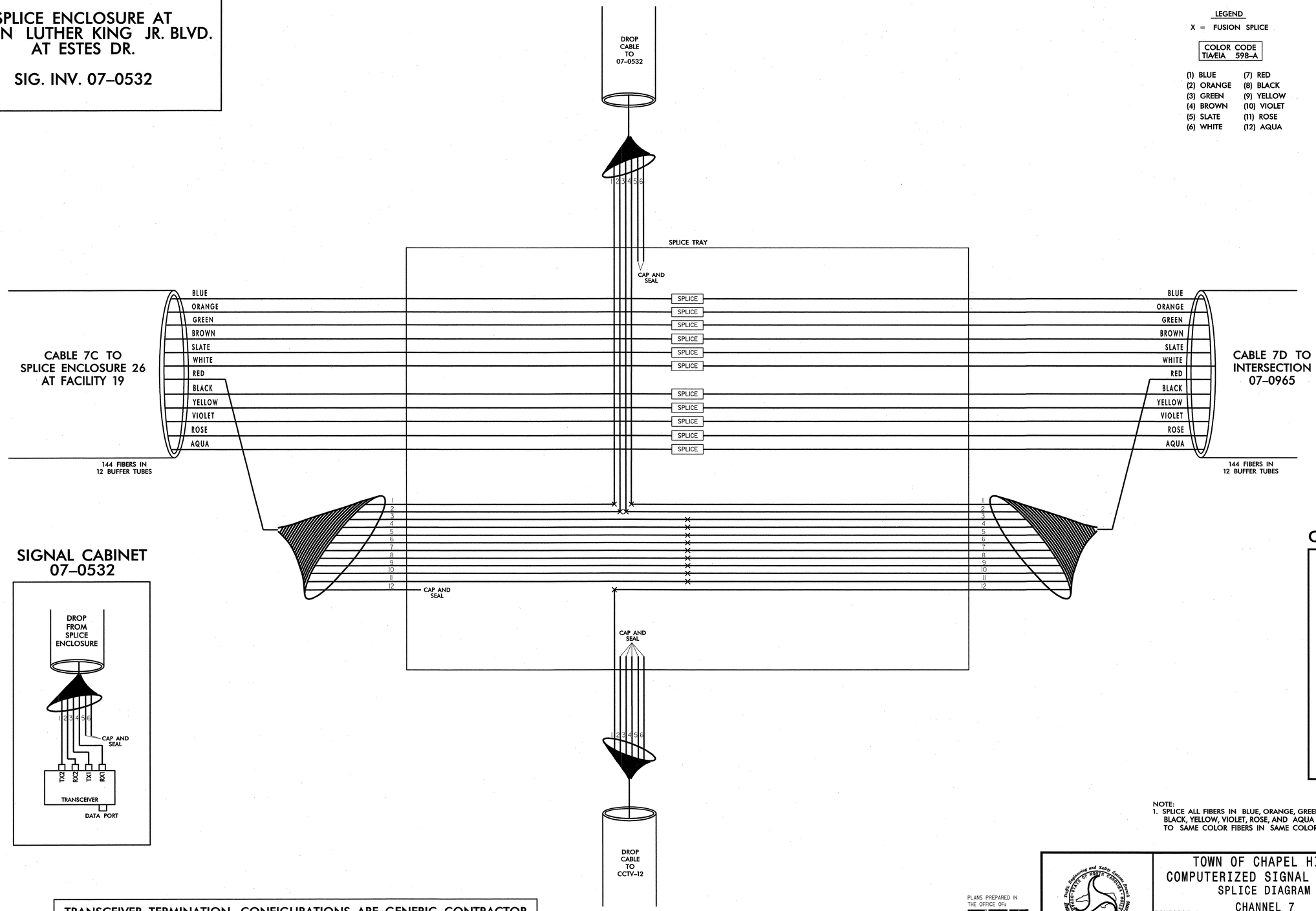
SIG. INV. 07–0532

LEGEND

X = FUSION SPLICE

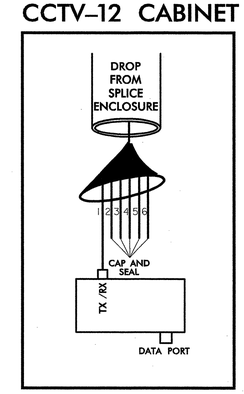
COLOR CODE TIA/EIA 598–A

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



SIGNAL CABINET 07–0532

CCTV–12 CABINET



NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE 7C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 7D.

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

PLANS PREPARED IN THE OFFICE OF:

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750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 44

SPLICE ENCLOSURE AT MARTIN LUTHER KING JR. BLVD. AND PINEY MOUNTAIN RD.

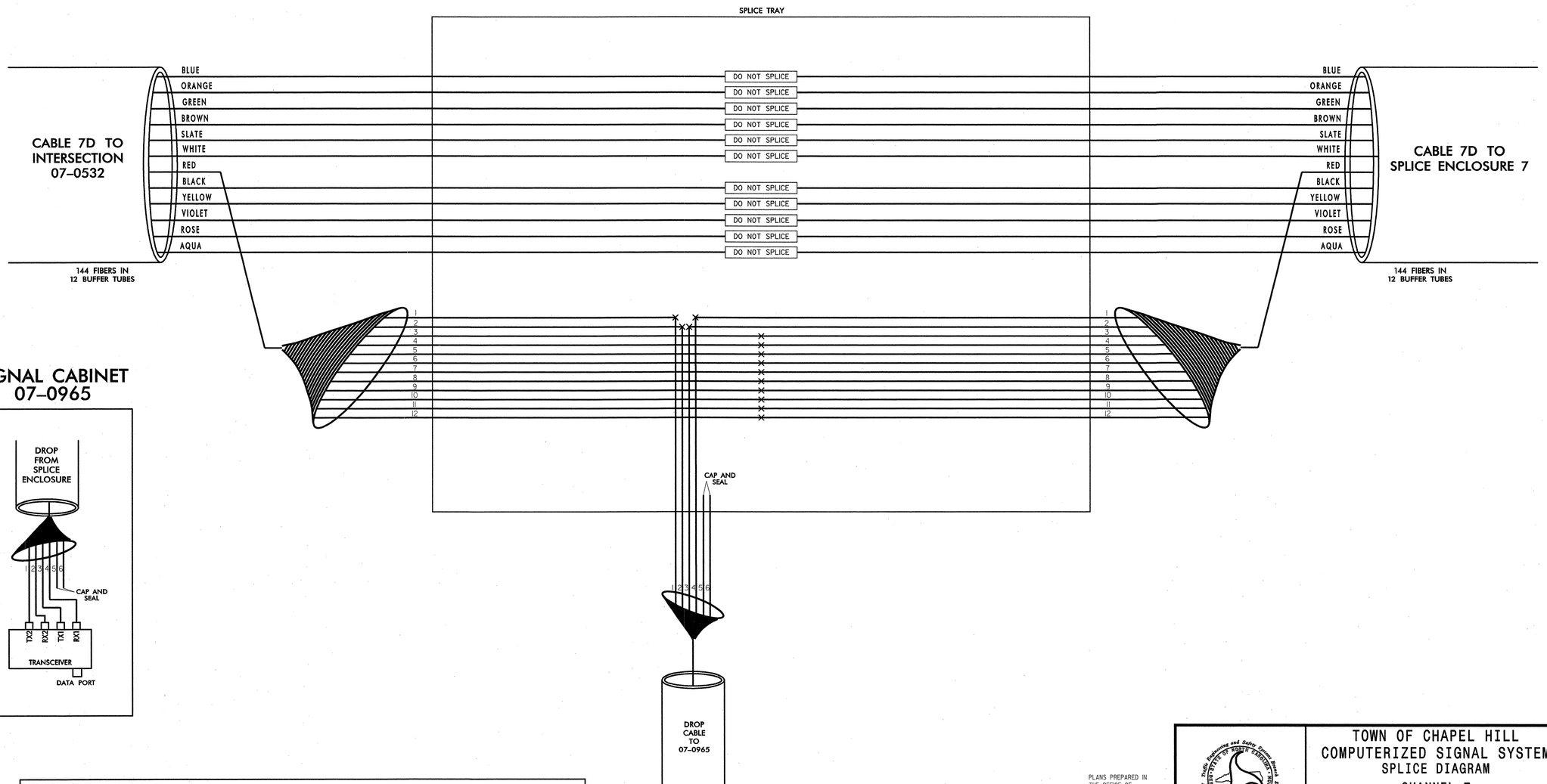
SIG. INV. 07–0965

LEGEND

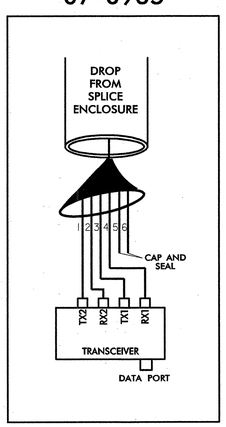
X = FUSION SPLICE

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



SIGNAL CABINET 07–0965



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

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(919) 677-2000

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Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.21.08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 45

SPLICE ENCLOSURE AT MARTIN LUTHER KING JR. BLVD. AT NORTHFIELD DR.

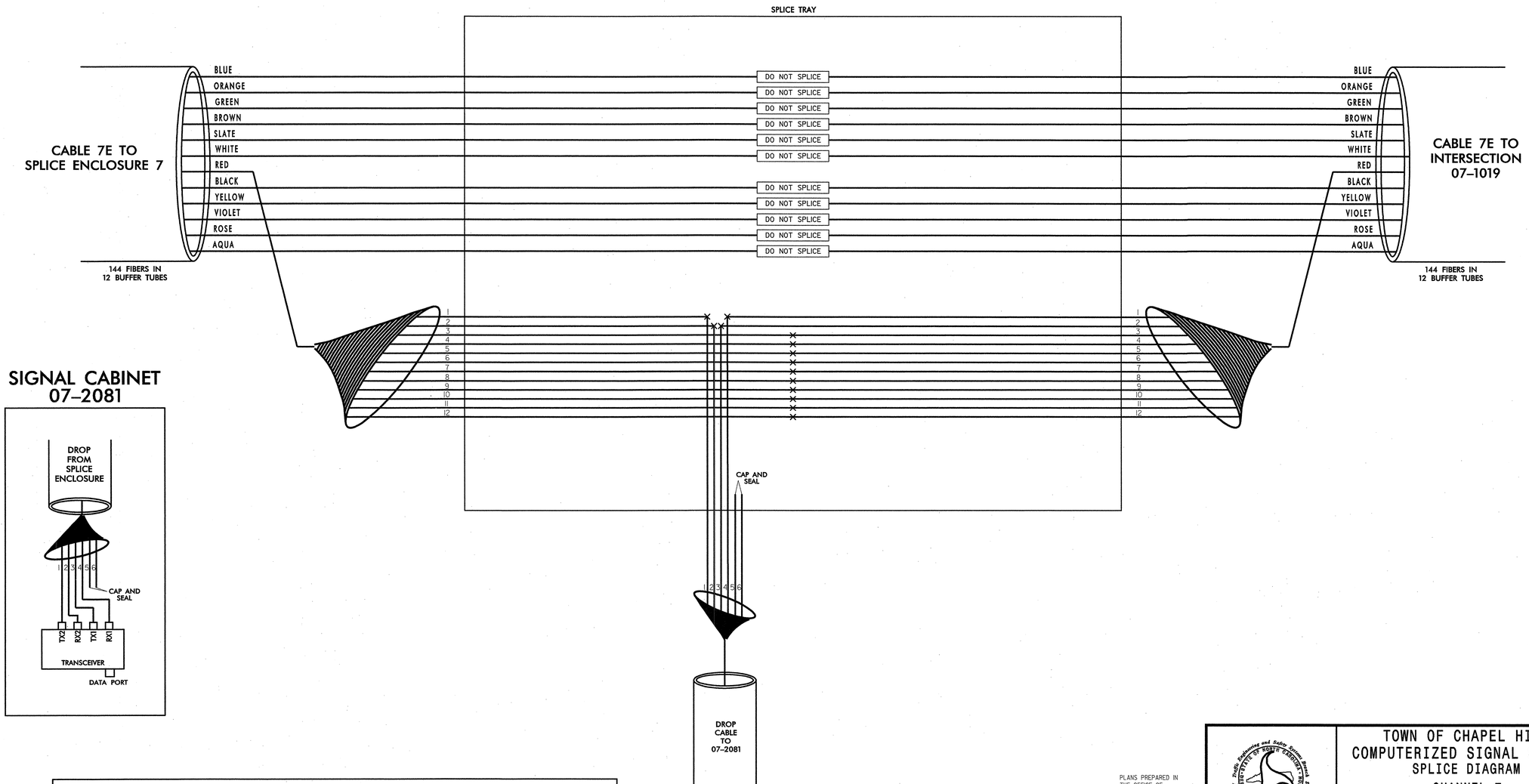
SIG. INV. 07–2081

LEGEND

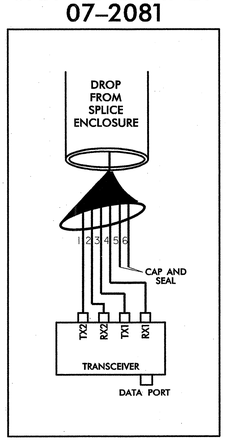
X = FUSION SPLICE

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



SIGNAL CABINET 07–2081



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

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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

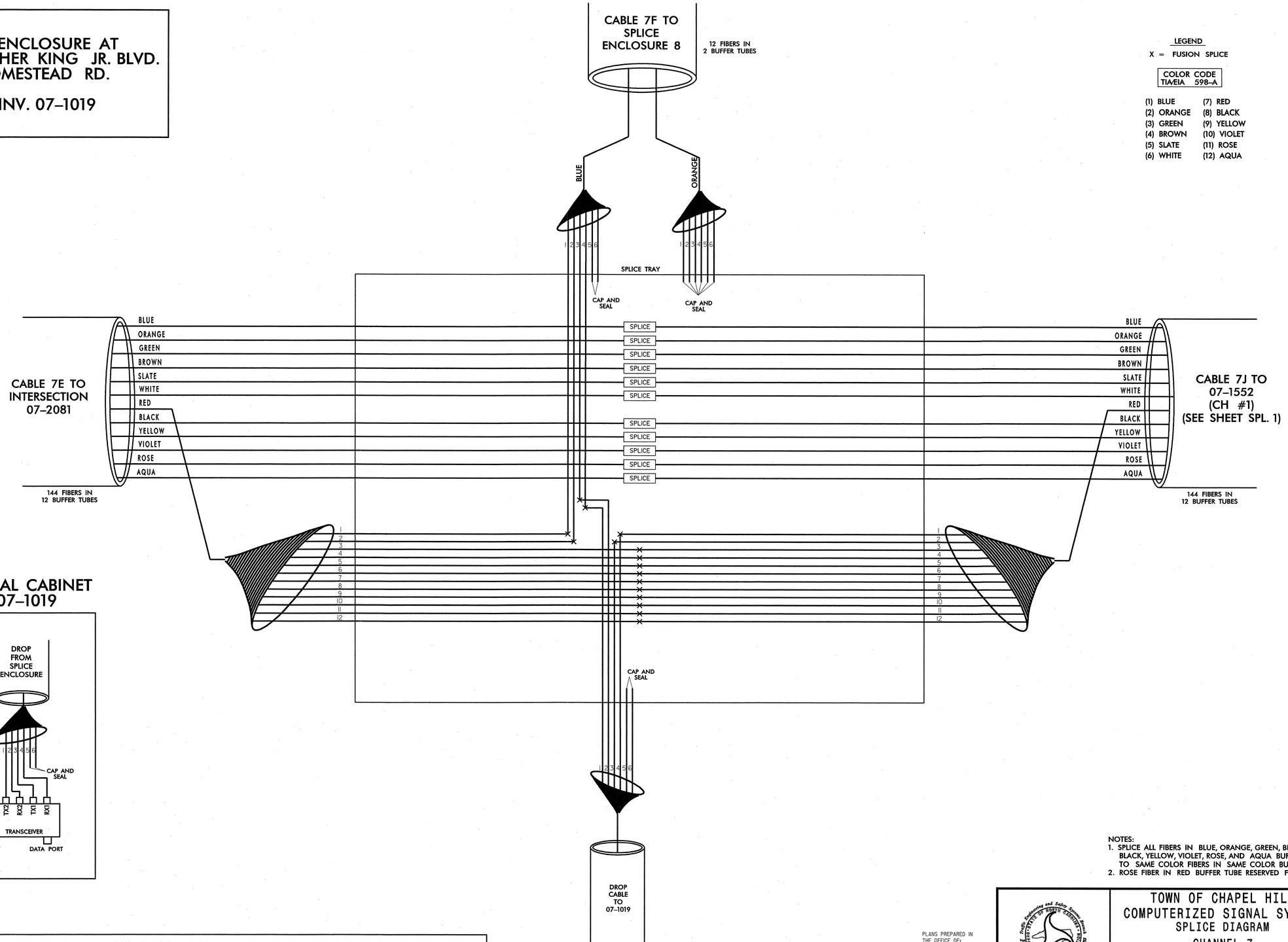
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 46

SPLICE ENCLOSURE AT MARTIN LUTHER KING JR. BLVD. AT HOMESTEAD RD.

SIG. INV. 07–1019



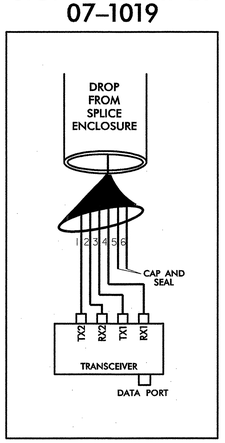
LEGEND

X = FUSION SPLICE

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

SIGNAL CABINET 07–1019



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

NOTES:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE 7E TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 7J.
2. ROSE FIBER IN RED BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 11.

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Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-22-08

12/22/2008
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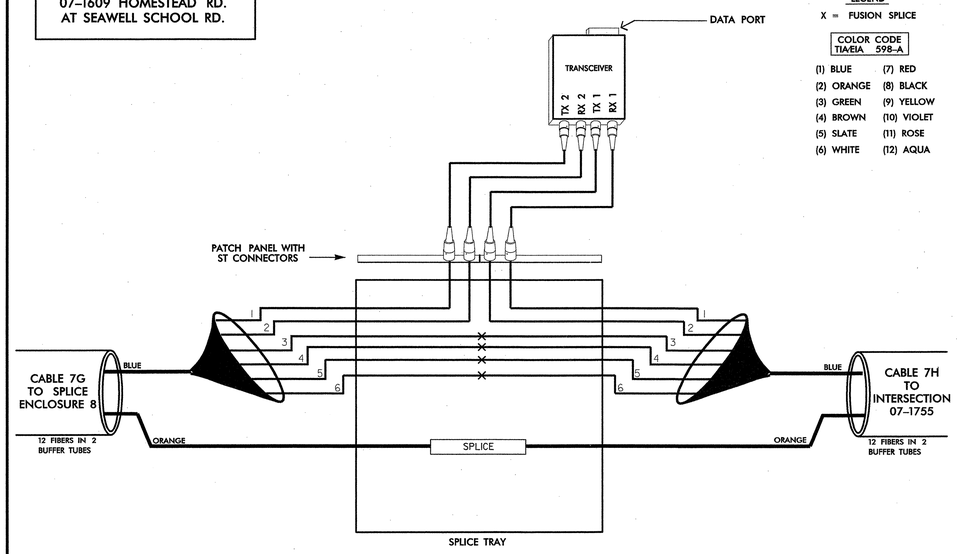
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 47

07-1609 HOMESTEAD RD. AT SEAWELL SCHOOL RD.



LEGEND

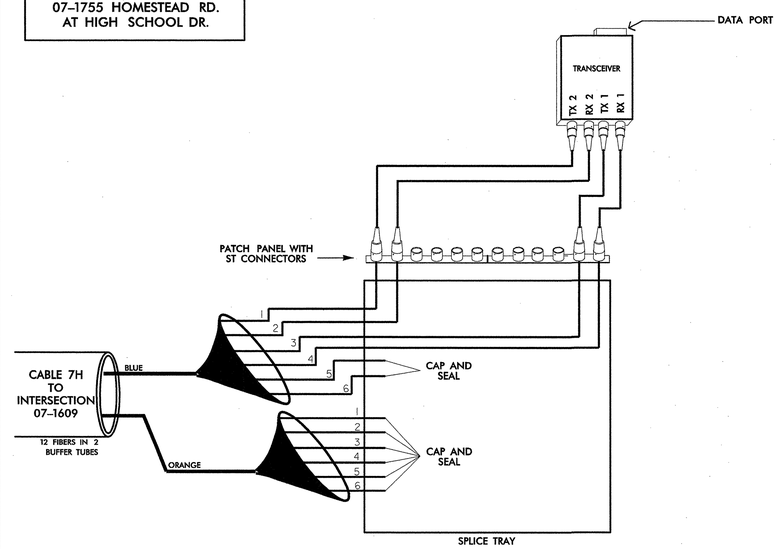
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 7G TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 7H.

07-1755 HOMESTEAD RD. AT HIGH SCHOOL DR.



LEGEND

X = FUSION SPLICE

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

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

12/22/2008
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Raleigh N.C. 27636-3068
(919) 677-2000

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 48

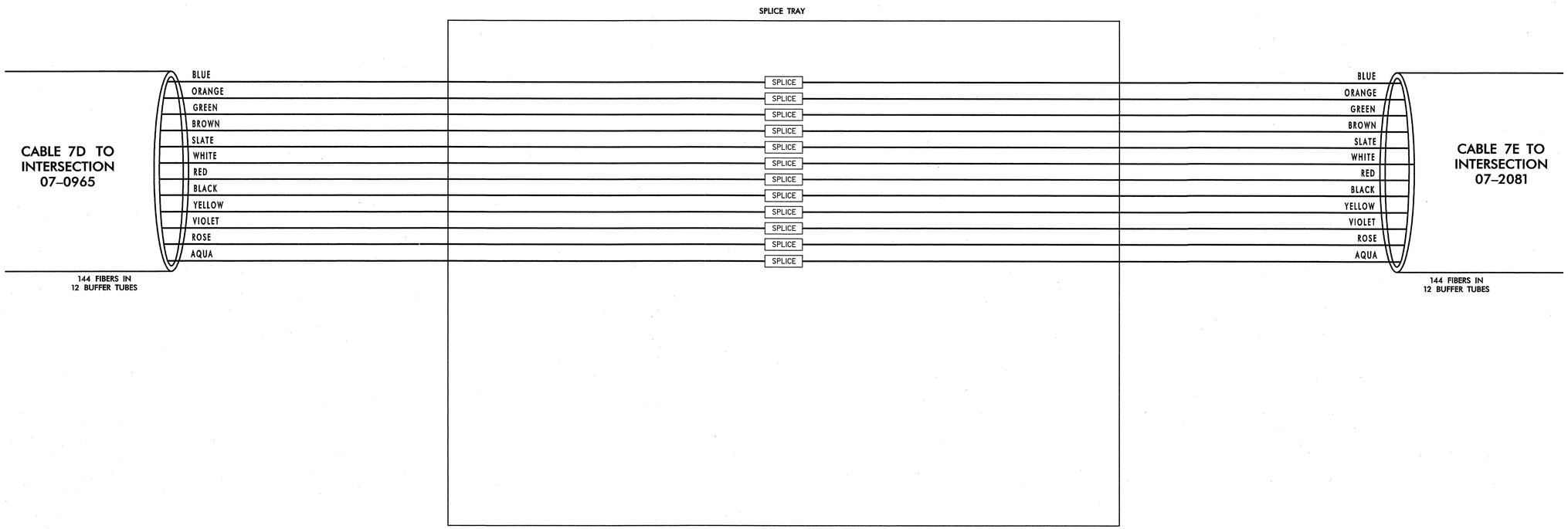
SPLICE ENCLOSURE 7 AT MARTIN LUTHER KING JR. BLVD. BETWEEN 07-0965 AND 07-2081

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE 7D TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 7E.

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

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 49

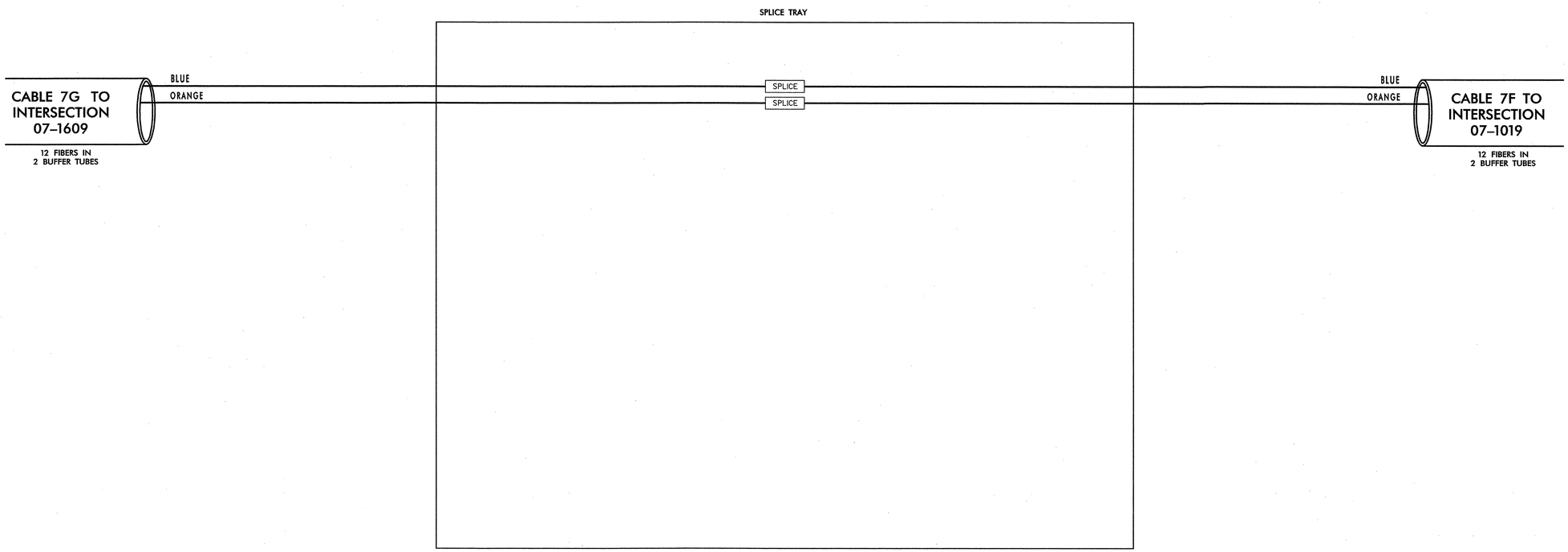
SPLICE ENCLOSURE 8 ON HOMESTEAD DR. BETWEEN 07-1019 AND 07-1609

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE FIBERS IN BLUE AND ORANGE BUFFER TUBES IN CABLE 7G TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 7F.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 7

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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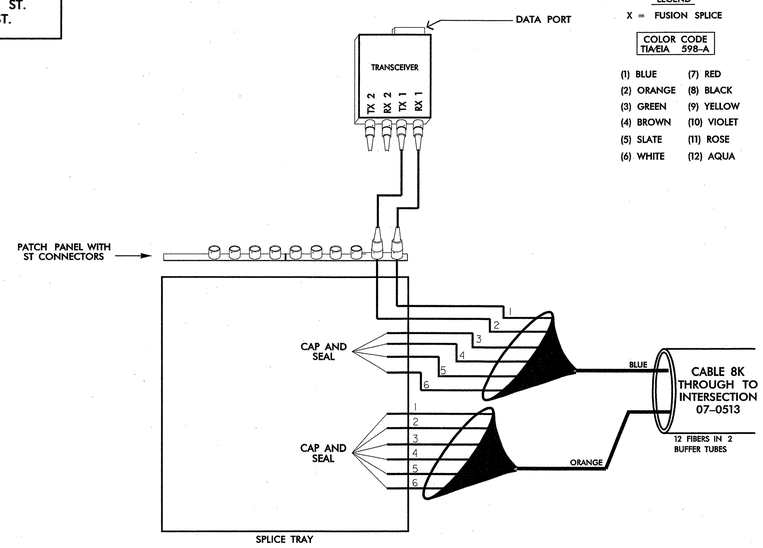
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 50

07-0515 FRANKLIN ST. AT BOUNDARY ST.

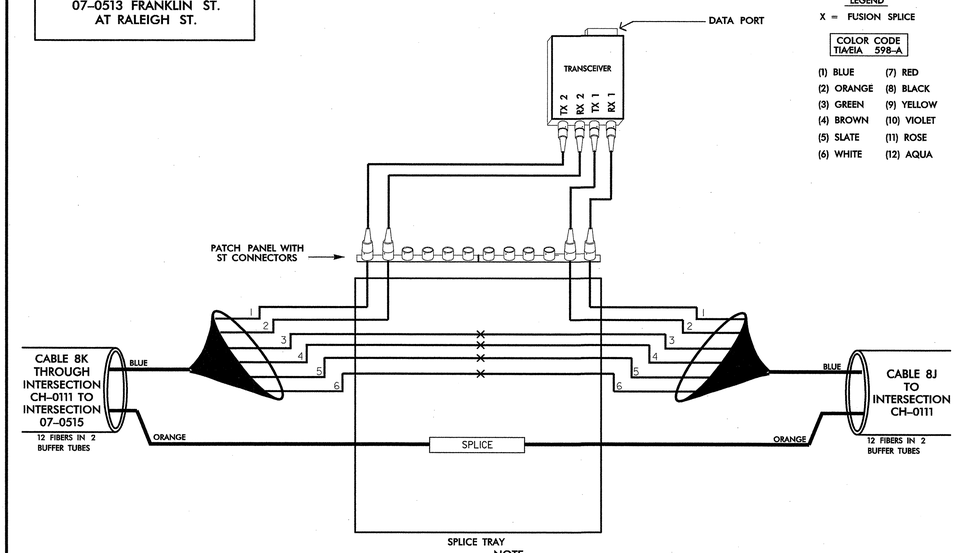


LEGEND
X = FUSION SPLICE

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

07-0513 FRANKLIN ST. AT RALEIGH ST.



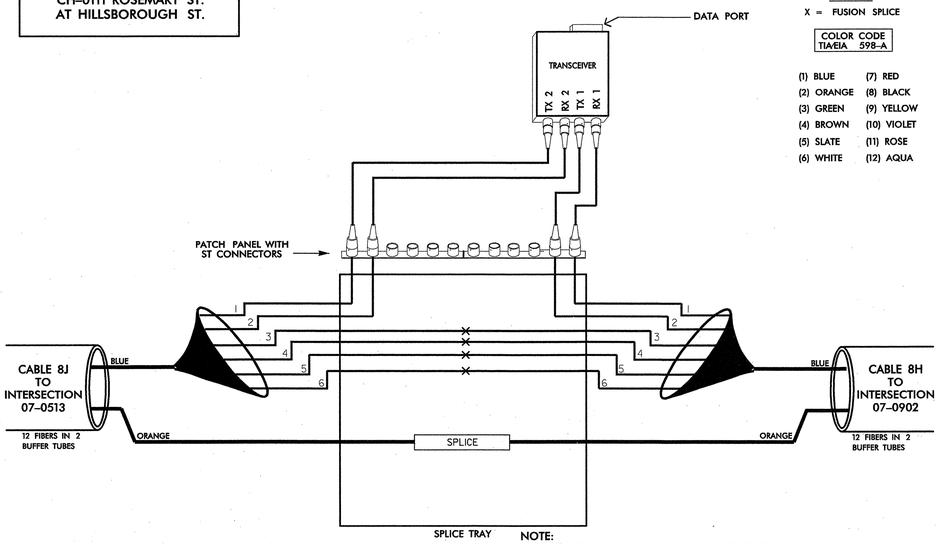
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 8K TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 8J.
2. WHITE FIBER IN BLUE BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 7.

CH-0111 ROSEMARY ST. AT HILLSBOROUGH ST.



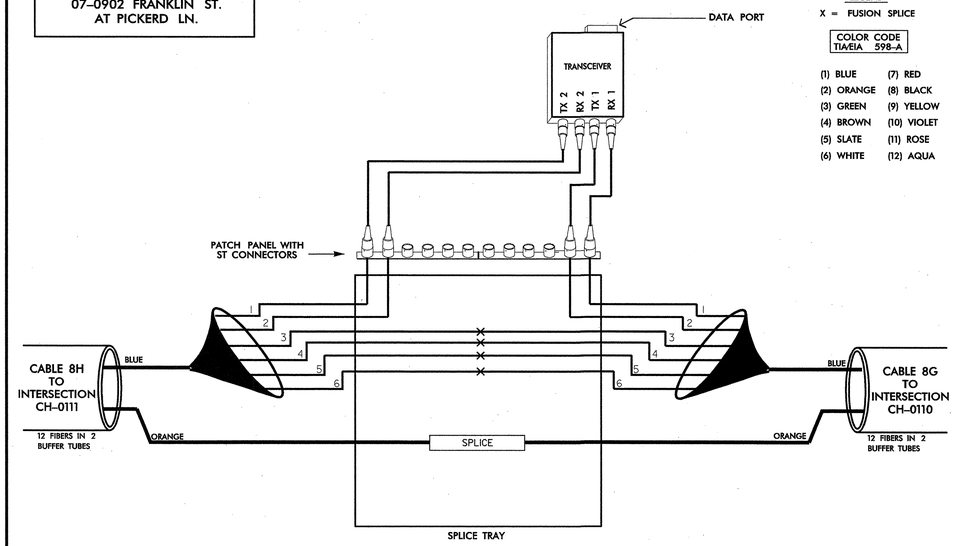
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 8H TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 8J.
2. SLATE FIBER IN BLUE BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 2.

07-0902 FRANKLIN ST. AT PICKERD LN.



LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 8H TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 8G.

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 Systems Branch
Intelligent Transportation Systems
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 8

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.21.08

12/22/2008
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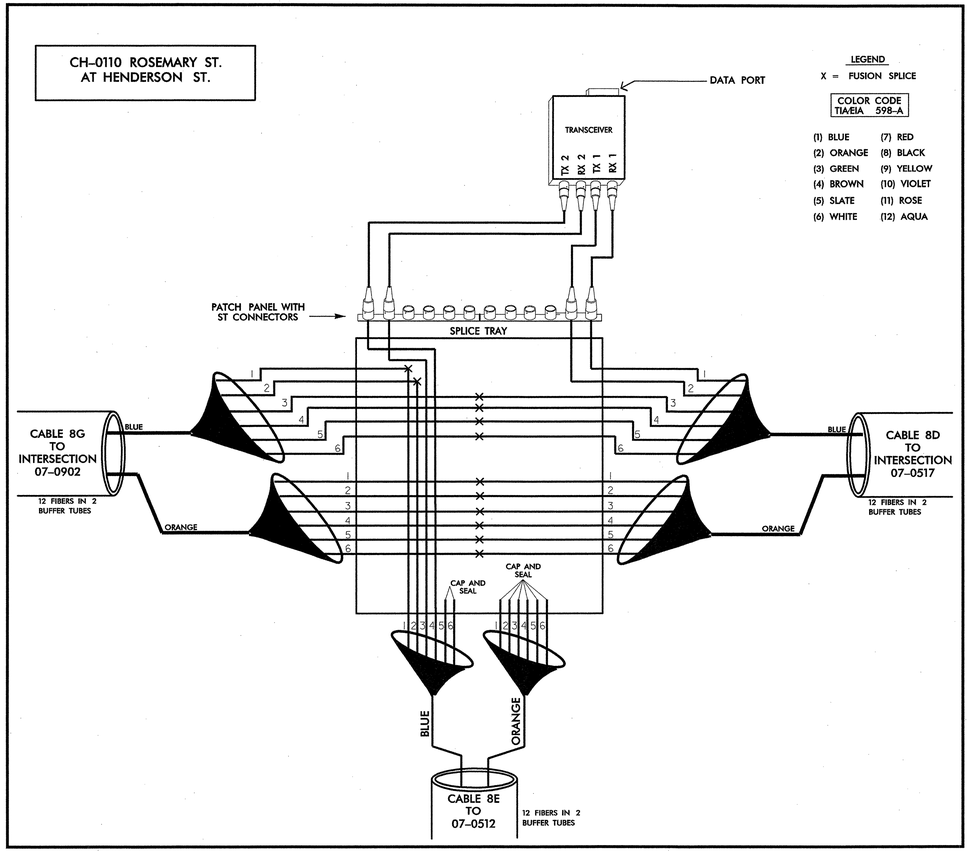
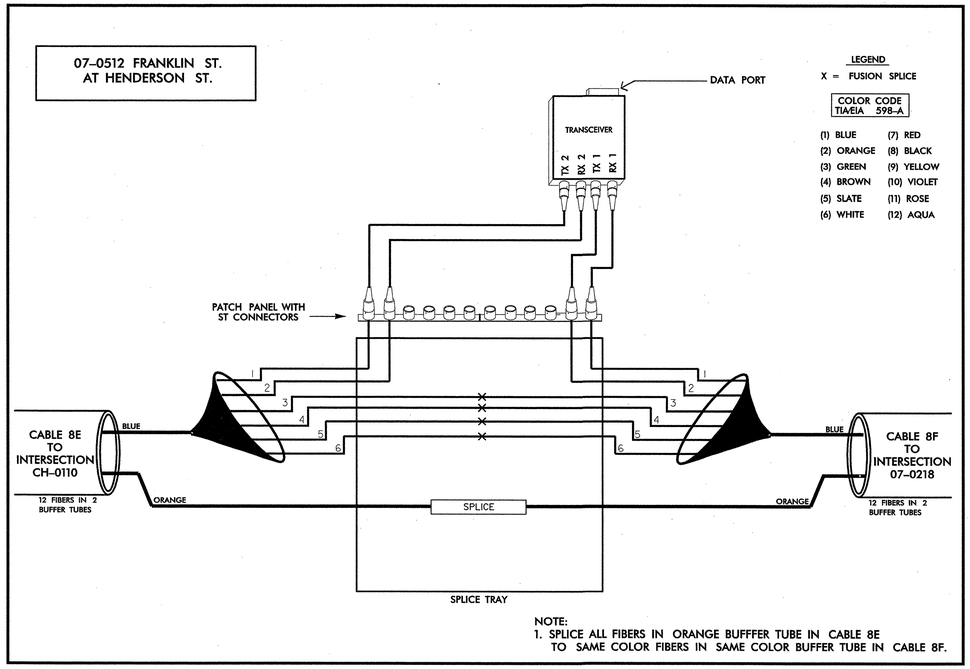
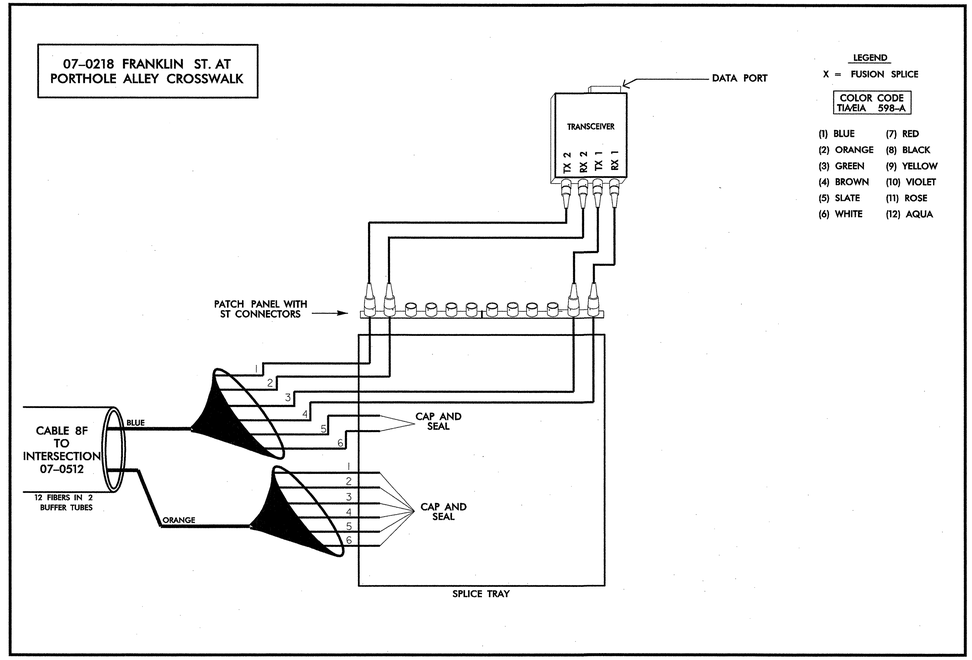
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 51





NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 8E TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 8F.



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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 8

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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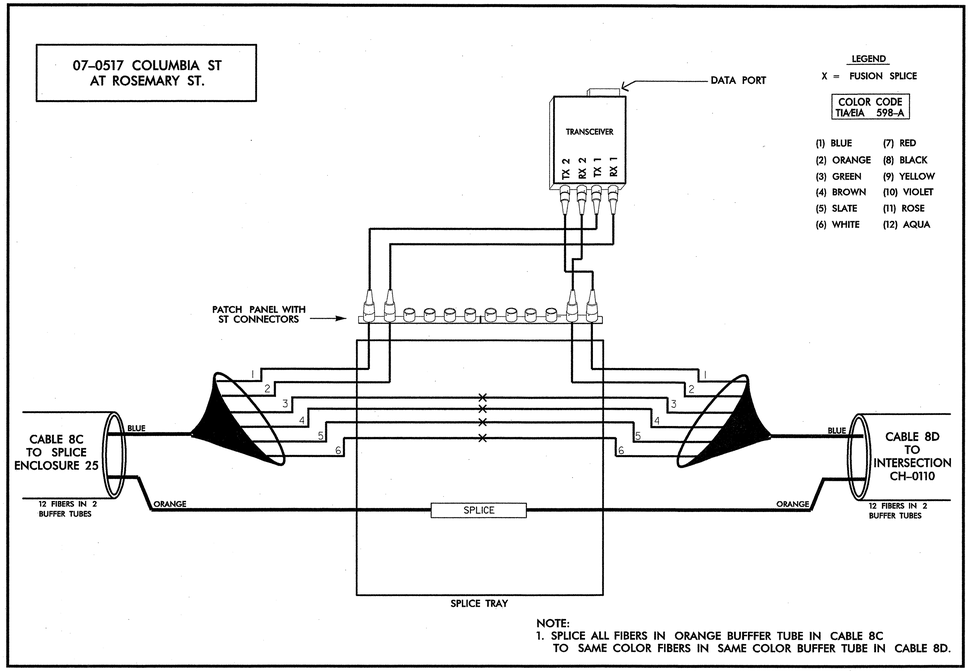
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 52



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 8C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 8D.

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

12/22/2008
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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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 8

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

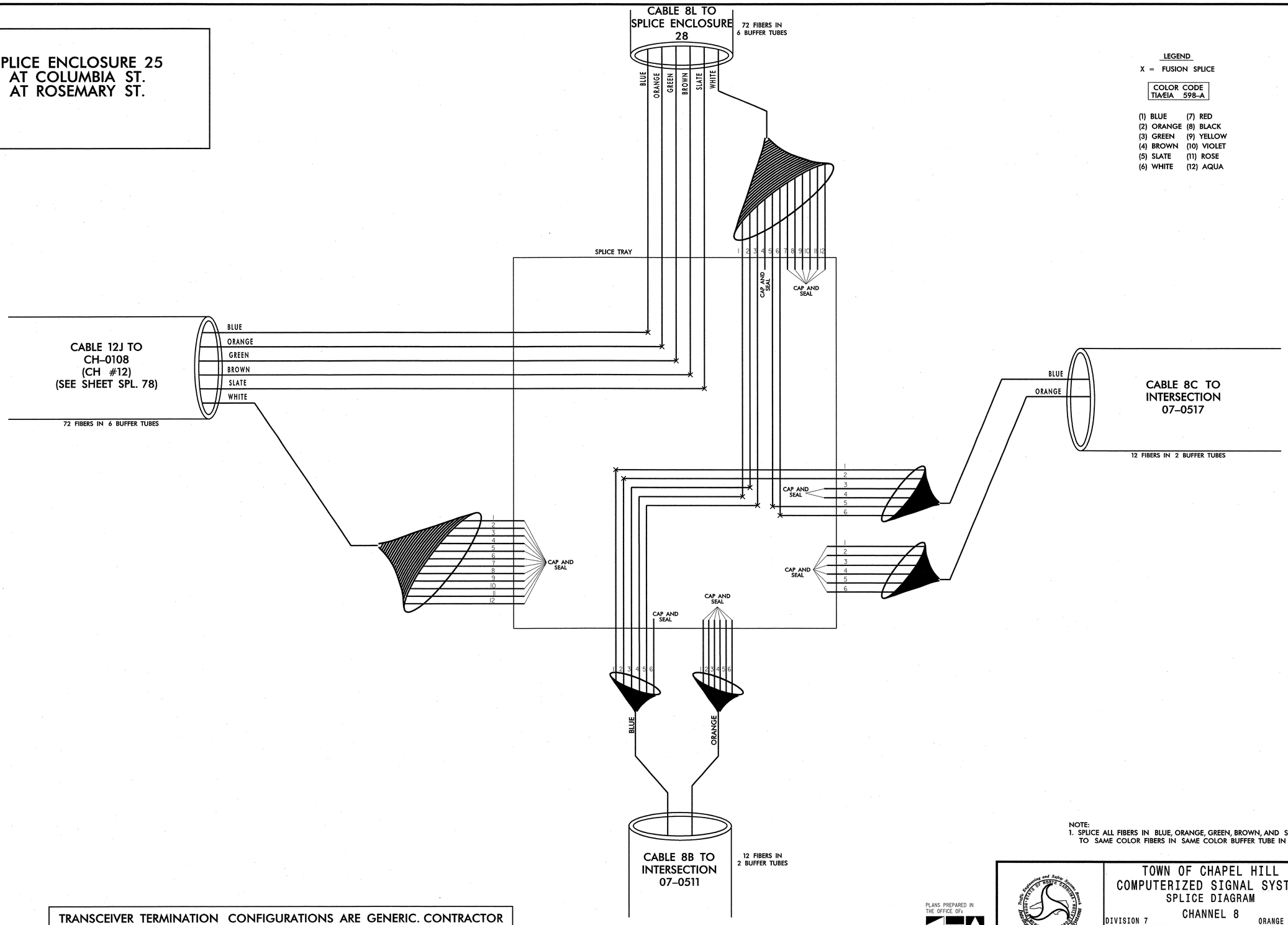
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 53

SPLICE ENCLOSURE 25
AT COLUMBIA ST.
AT ROSEMARY ST.



LEGEND

X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, AND SLATE BUFFFER TUBES IN CABLE 12J TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 8L.

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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 8

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/29/2008
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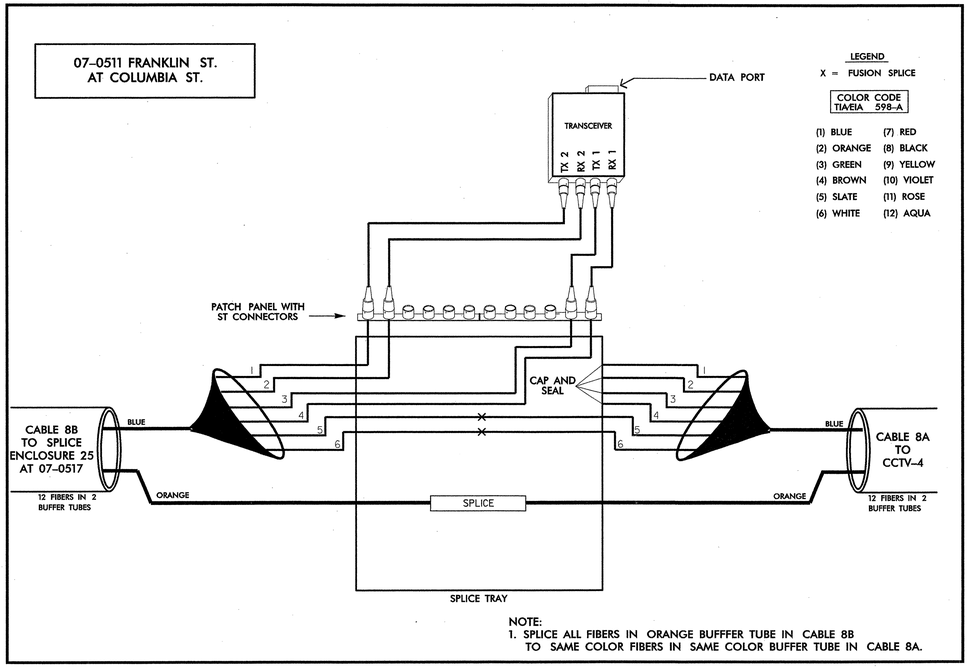
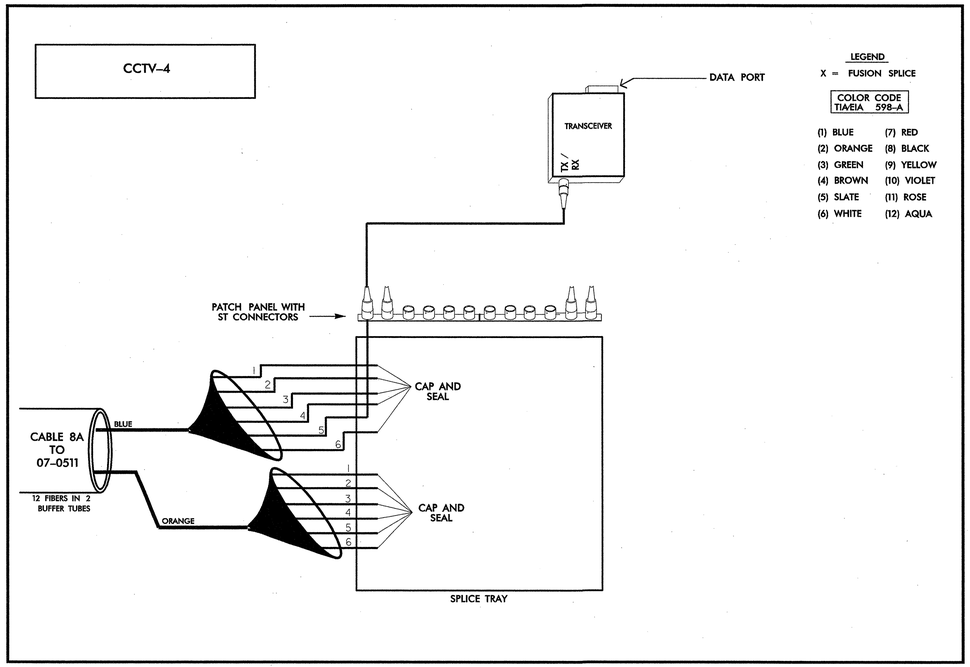
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 54



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 8B TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 8A.



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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 8

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-24-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 55

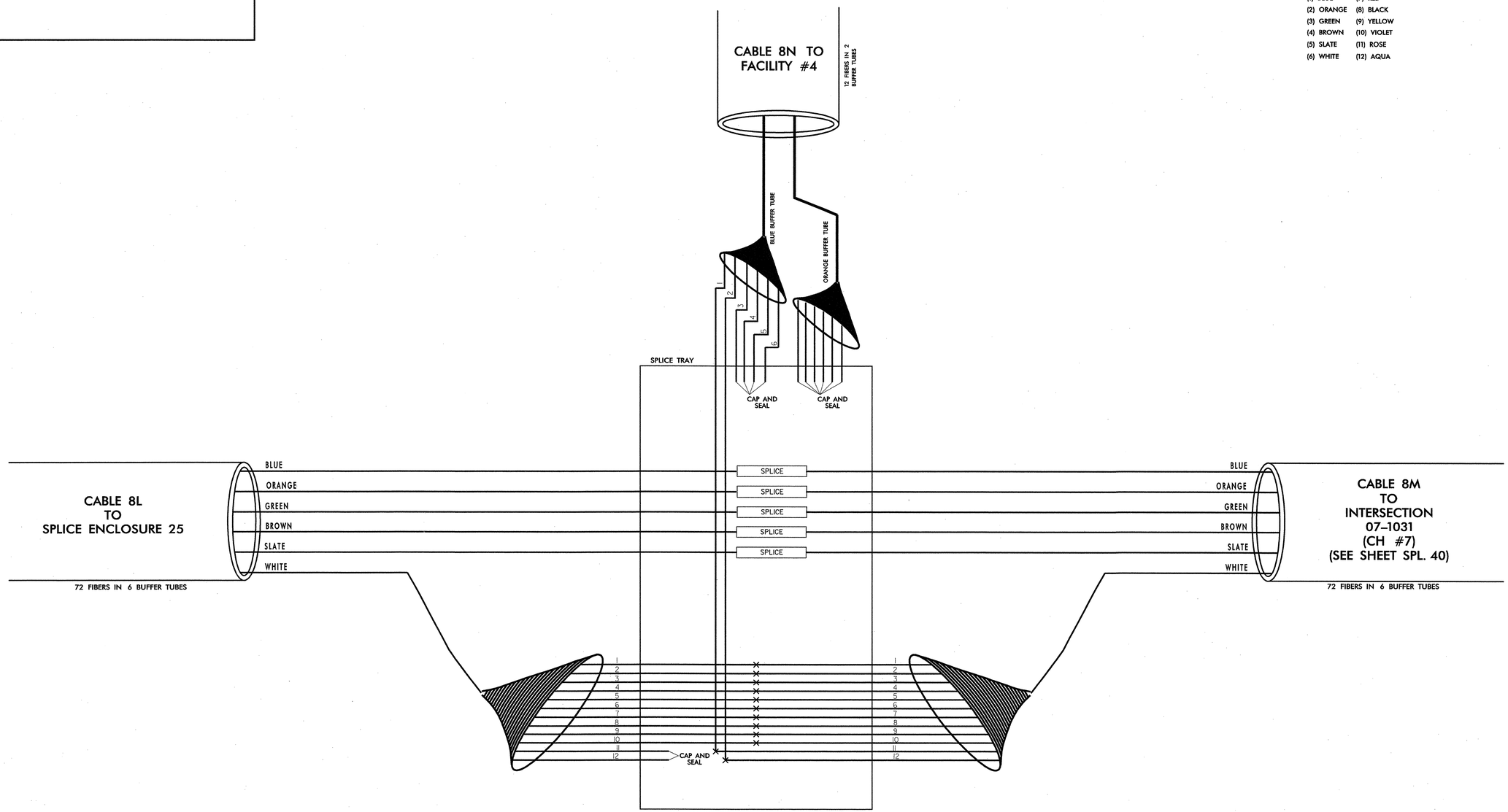
SPLICE ENCLOSURE 28 ON MARTIN LUTHER KING JR. BLVD. AT FACILITY #4

LEGEND

X = FUSION SPLICE

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



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 Systems Branch
Transportation Mobility & Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 8

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-24-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 56

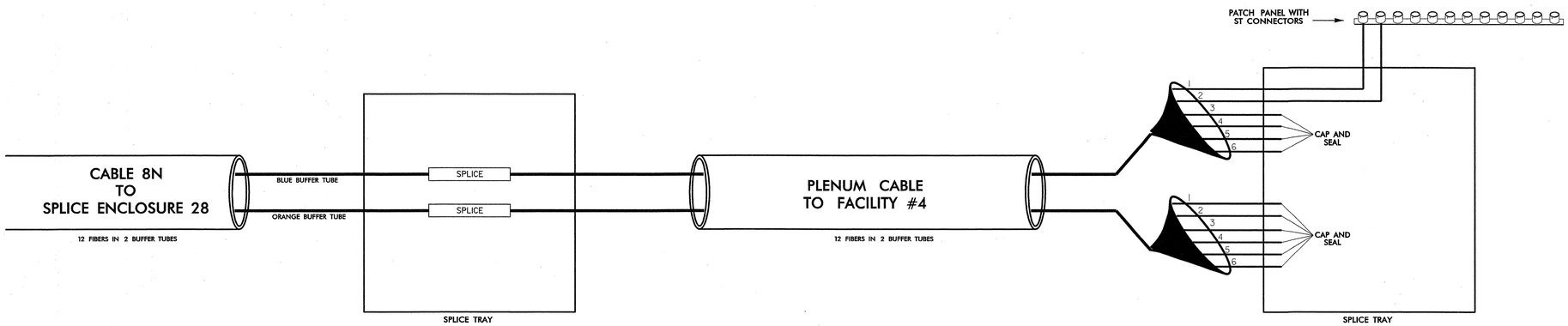
FACILITY #4
FIRE STATION 1

LEGEND

X = FUSION SPLICE

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



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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 8

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 57

SPLICE ENCLOSURE AT COLUMBIA ST. AT MANNING DR.

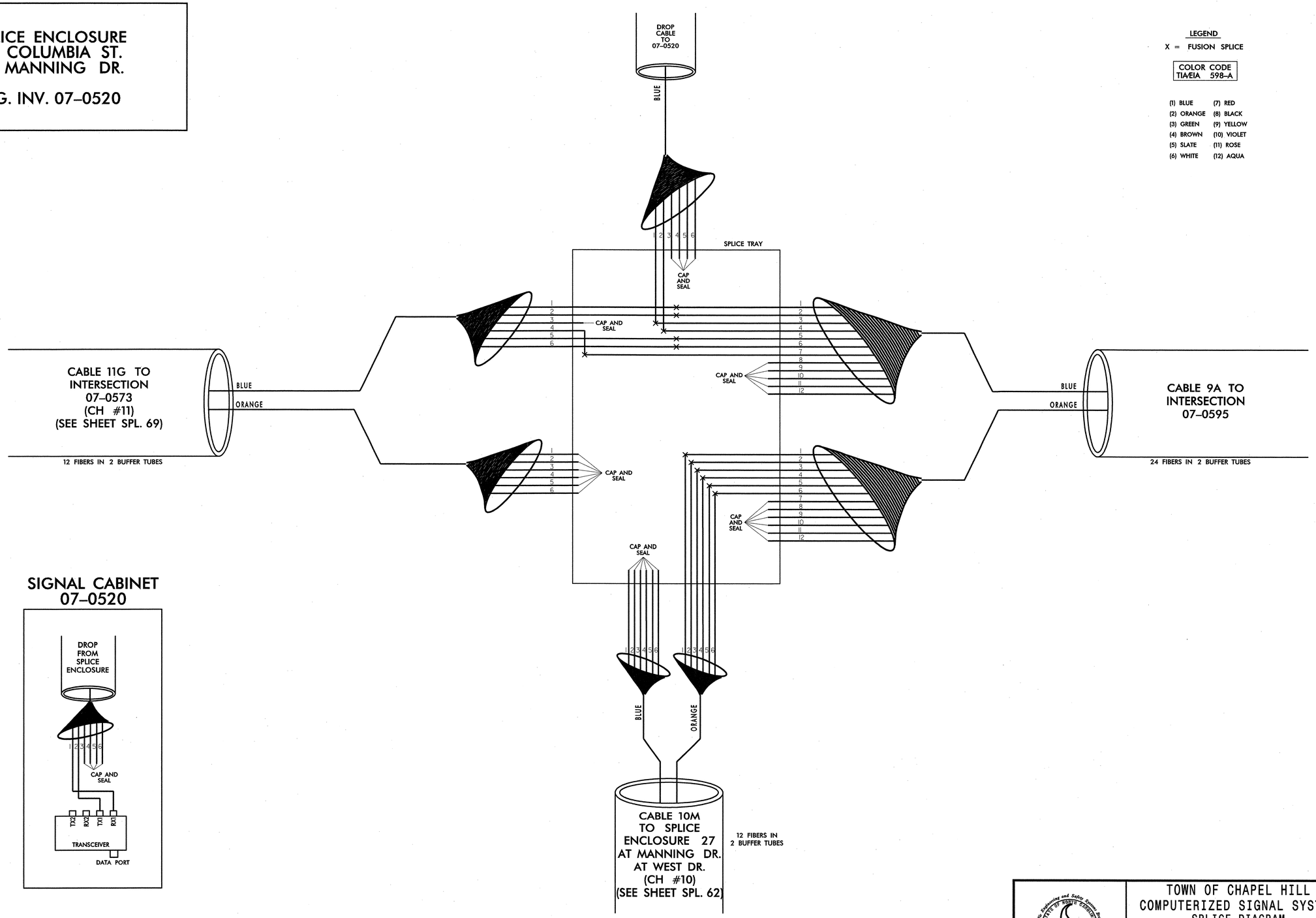
SIG. INV. 07–0520

LEGEND

X = FUSION SPLICE

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



SIGNAL CABINET 07–0520

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

SCALE
0
NONE

Public Surveying and Safety Services Unit
Transportation Mobility and Safety
DIVISION OF HIGHWAYS
750 Greenfield Parkway, Garner NC 27529

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 9

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.23.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 58

SPLICE ENCLOSURE AT COLUMBIA ST. AT HEALTH SCIENCES CROSSWALK

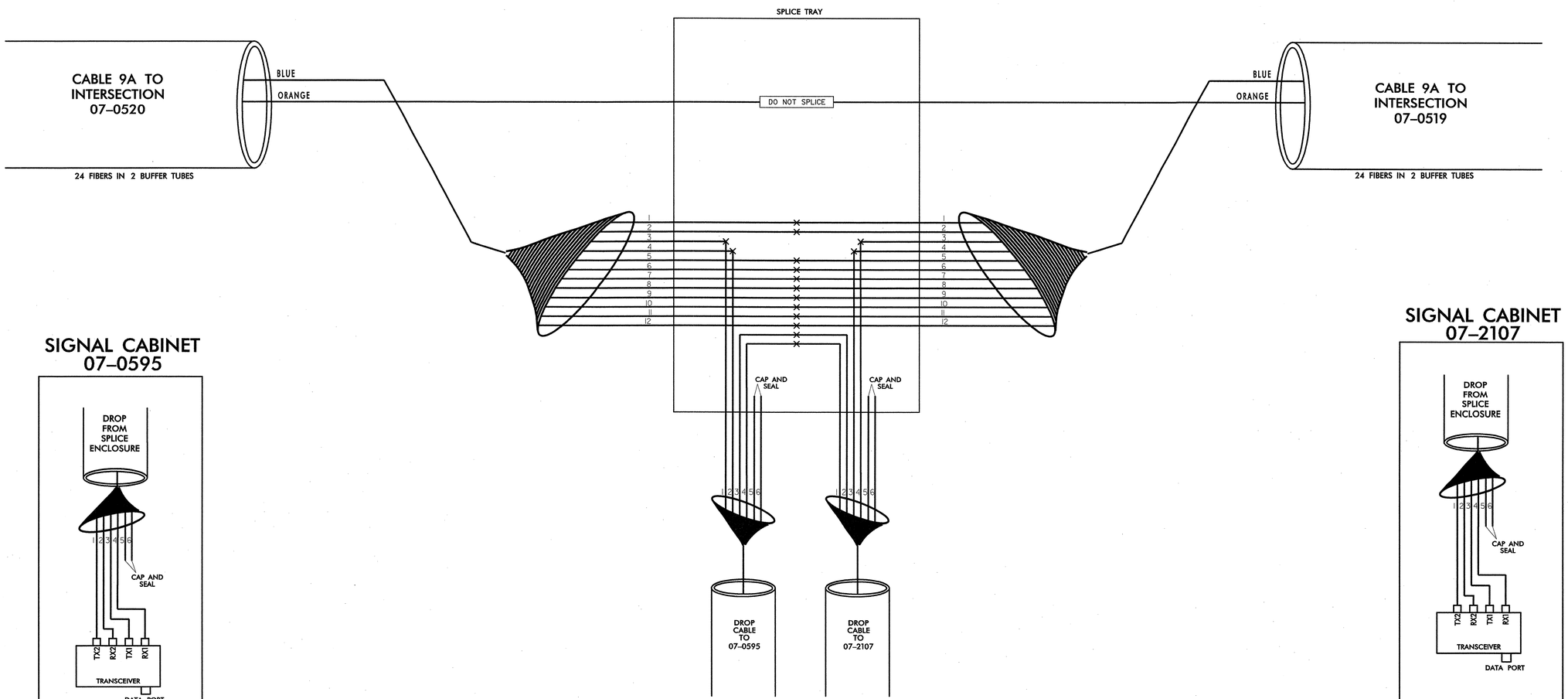
SIG. INV. 07-0595
SIG. INV. 07-2107

LEGEND

X = FUSION SPLICE

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



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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 9

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.23.08 DATE

12/22/2008
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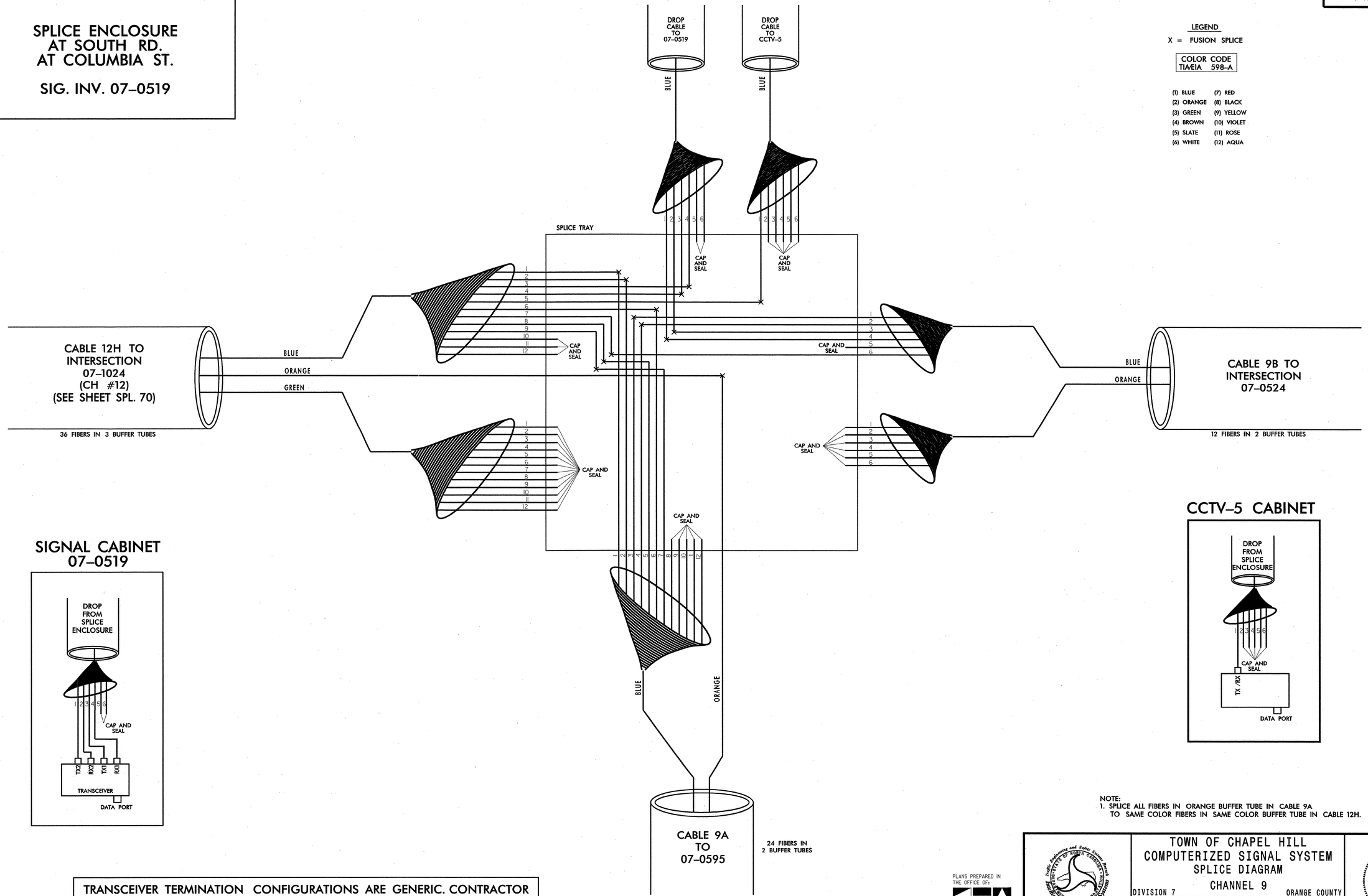
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 59

SPLICE ENCLOSURE AT SOUTH RD. AT COLUMBIA ST.

SIG. INV. 07-0519



LEGEND

X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 9A TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 12H.

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

Traffic Engineering and Safety Systems Branch
Transportation Mobility & Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 9

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-31-08

12/22/2008
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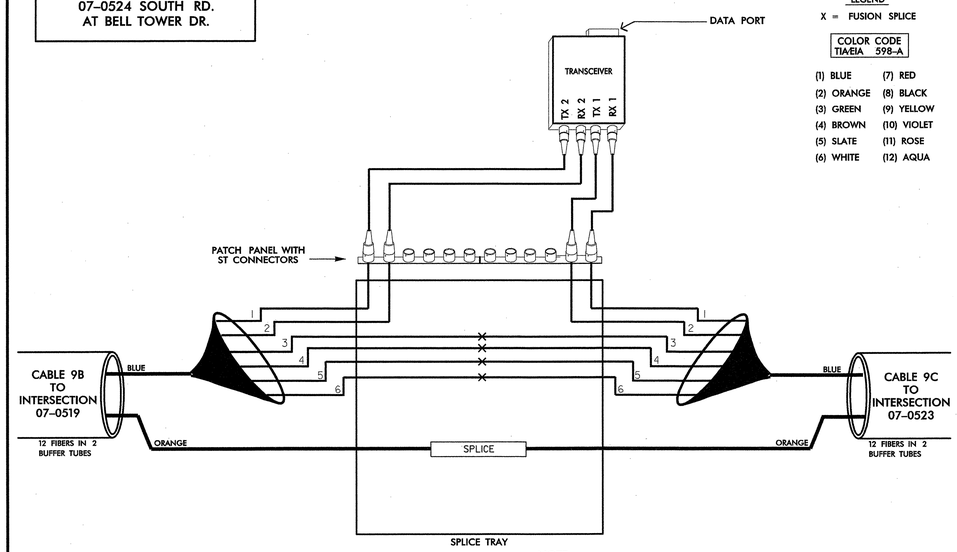
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 60

07-0524 SOUTH RD. AT BELL TOWER DR.



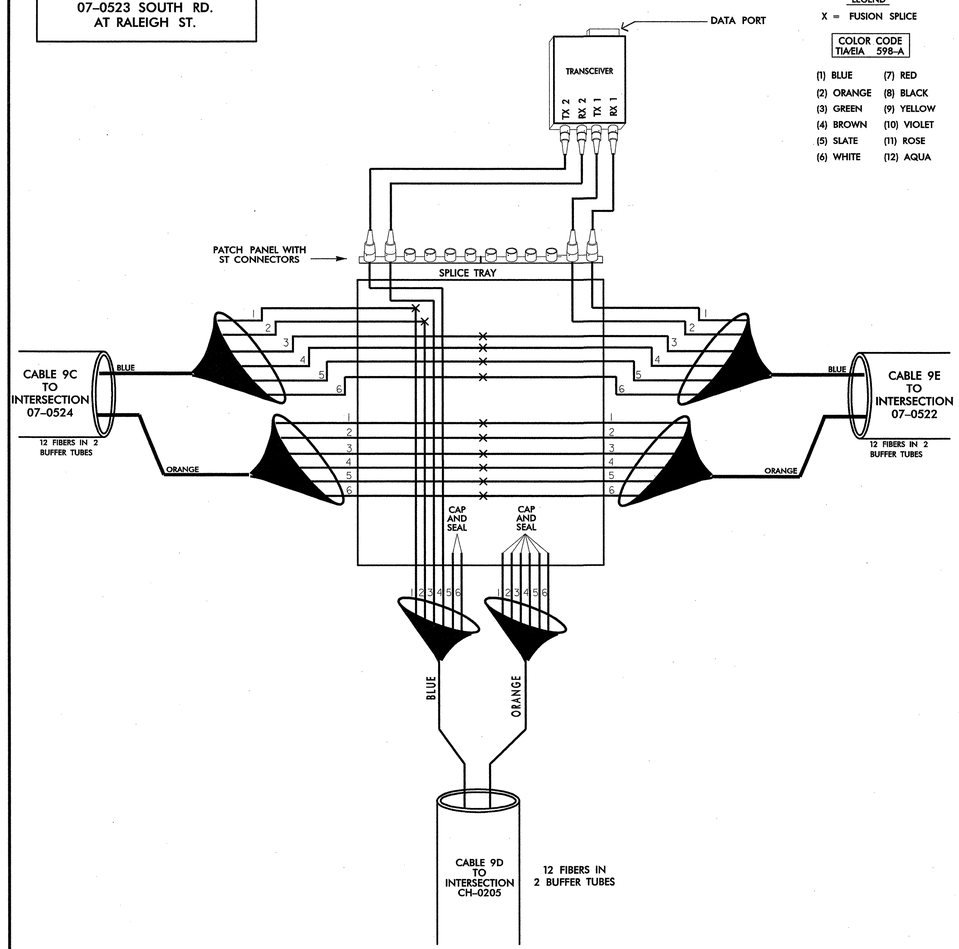
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 9B TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 9C.

07-0523 SOUTH RD. AT RALEIGH ST.

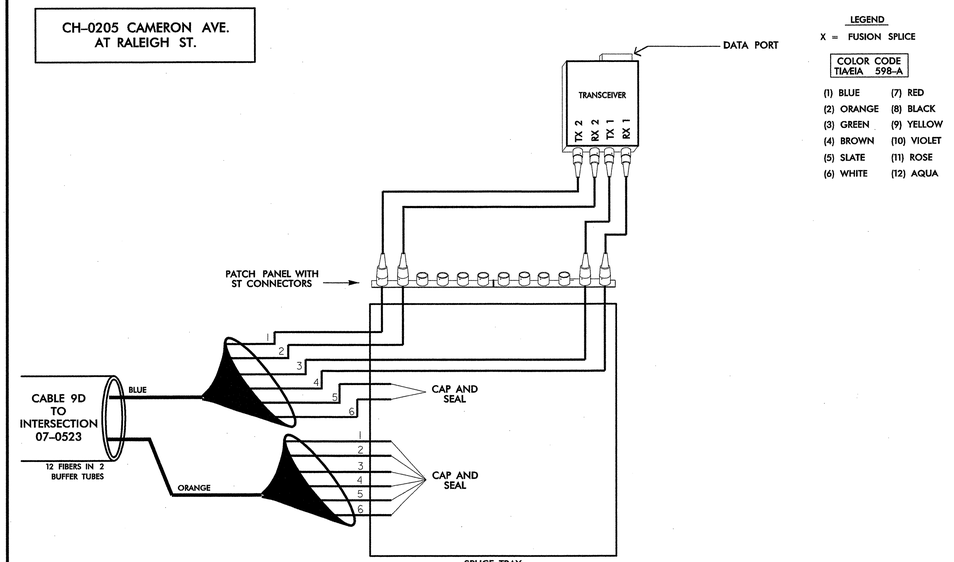


LEGEND
X = FUSION SPLICE

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

CH-0205 CAMERON AVE. AT RALEIGH ST.



LEGEND
X = FUSION SPLICE

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

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 9

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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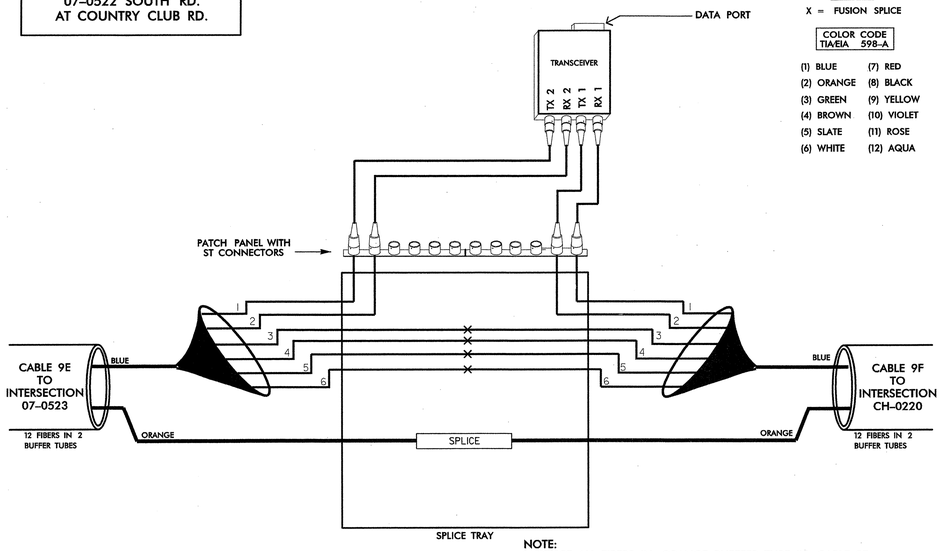
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 61

07-0522 SOUTH RD. AT COUNTRY CLUB RD.



LEGEND

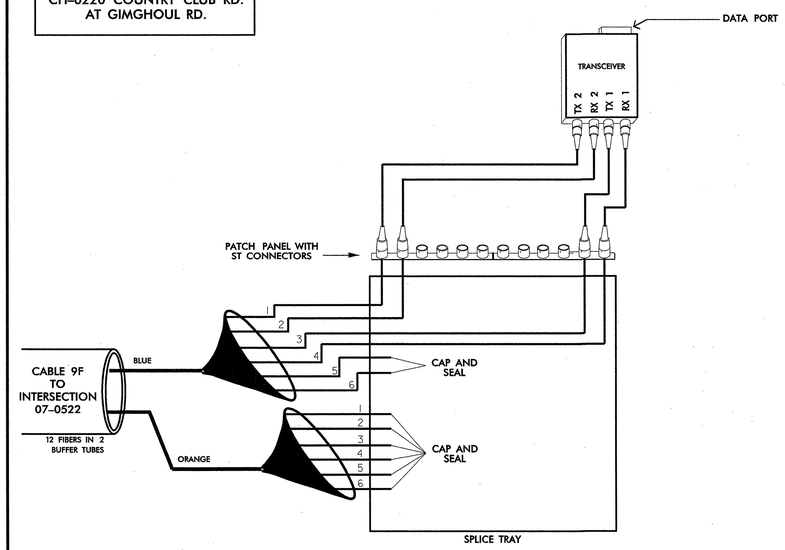
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 9E TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 9F.
2. WHITE FIBER IN BLUE BUFFER TUBE RESERVED FOR FUTURE CCTV 5.

CH-0220 COUNTRY CLUB RD. AT GIMGHOUL RD.



LEGEND

X = FUSION SPLICE

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

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

12/22/2008
h:\systems\proj_ects\01\036150 (chapel hill)\splicing\spl_09_05.dgn

PLANS PREPARED IN THE OFFICE OF:

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 9

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — 12.24.08 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 62

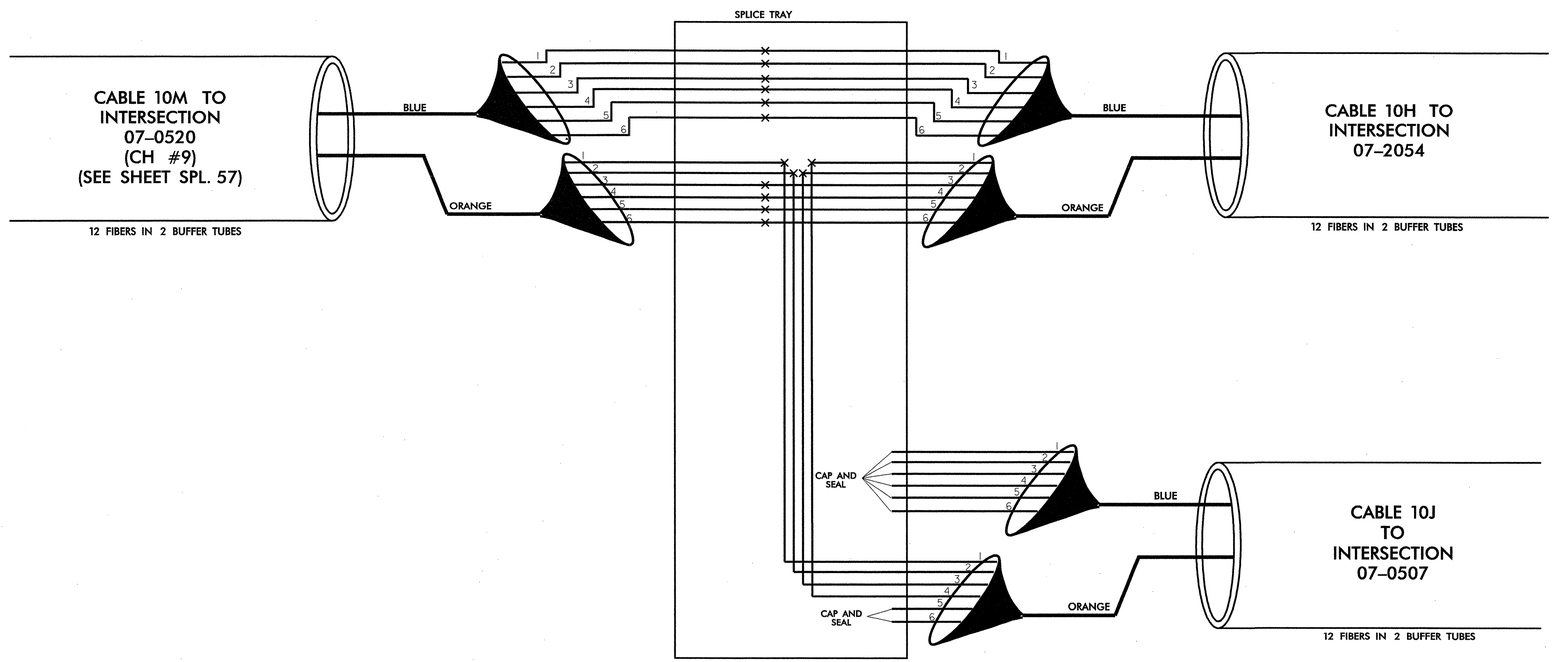
SPLICE ENCLOSURE 27
AT MANNING DR.
AT WEST DR.

LEGEND

X = FUSION SPLICE

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



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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 10

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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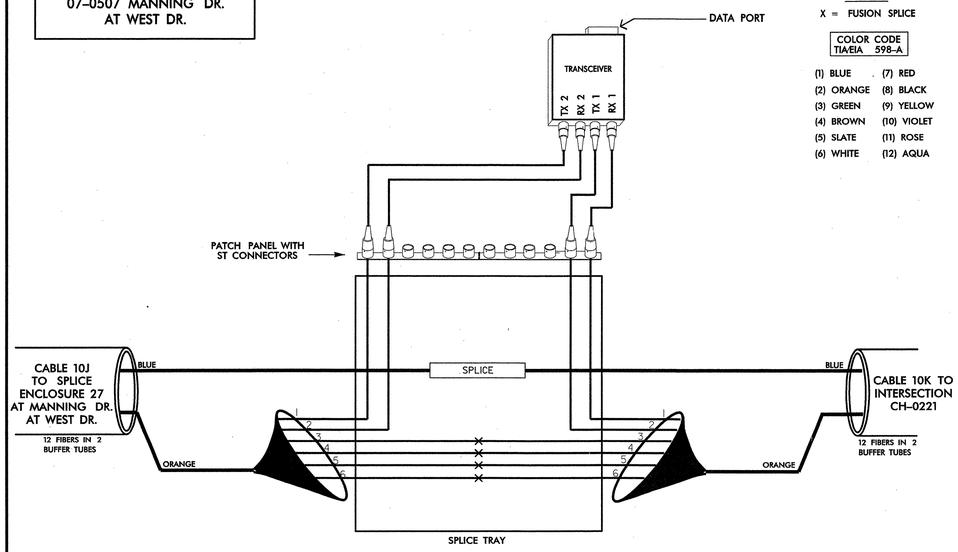
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 63

07-0507 MANNING DR. AT WEST DR.



LEGEND

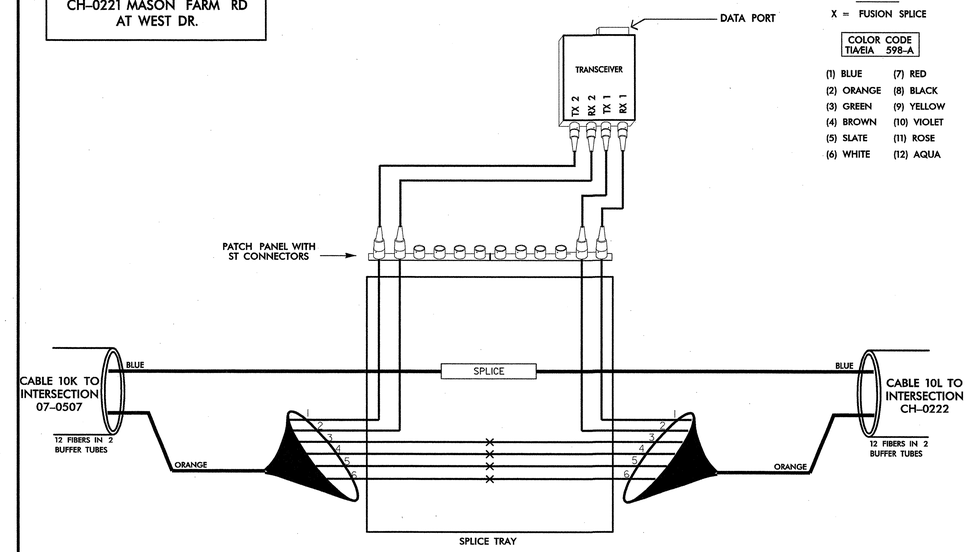
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFFER TUBE IN CABLE 10J TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 10K.

CH-0221 MASON FARM RD AT WEST DR.



LEGEND

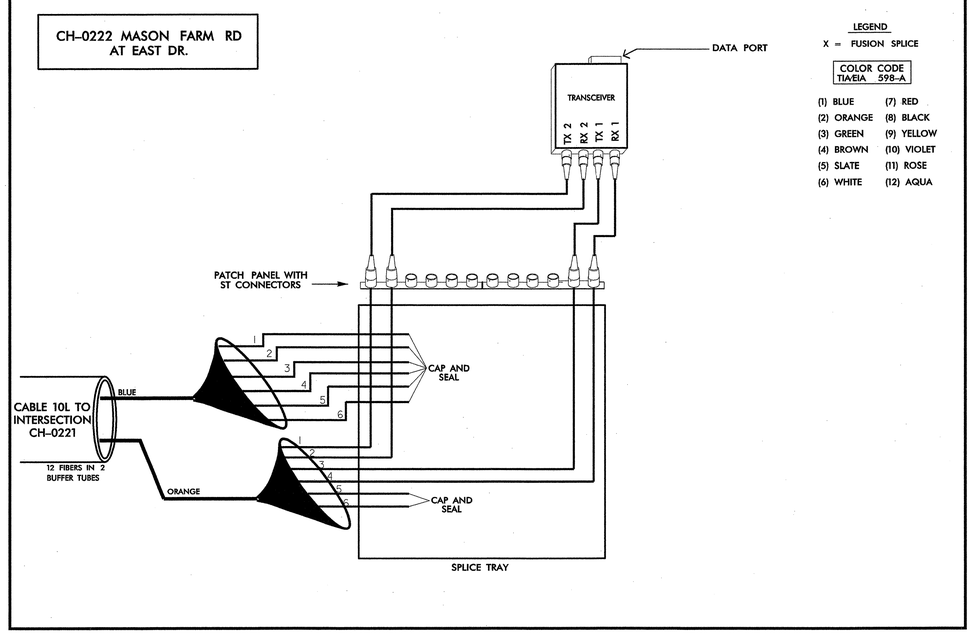
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFFER TUBE IN CABLE 10K TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 10L.

CH-0222 MASON FARM RD AT EAST DR.



LEGEND

X = FUSION SPLICE

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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PLANS PREPARED IN THE OFFICE OF:

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 10

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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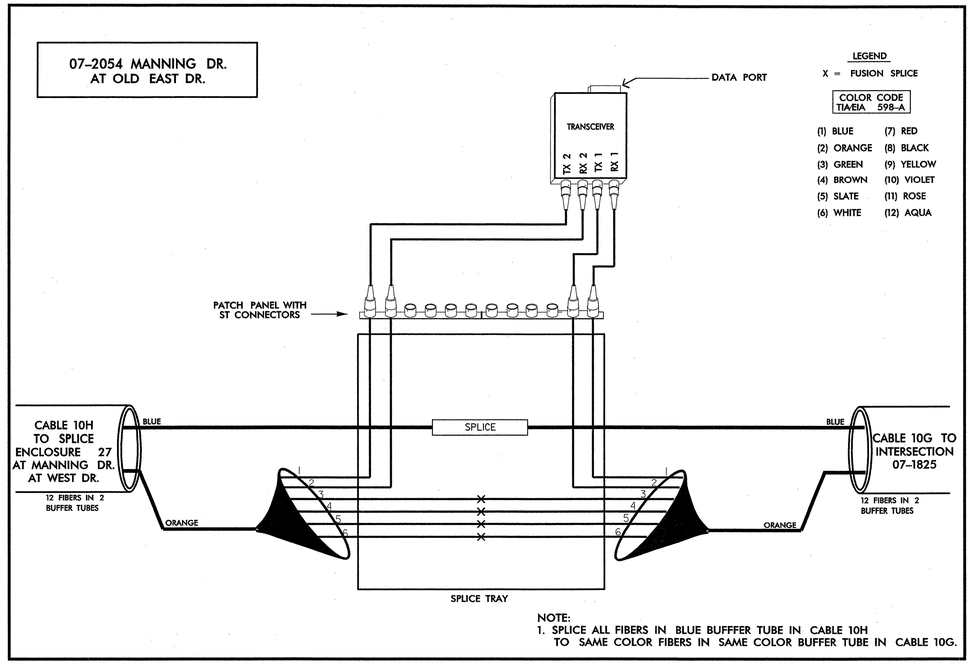
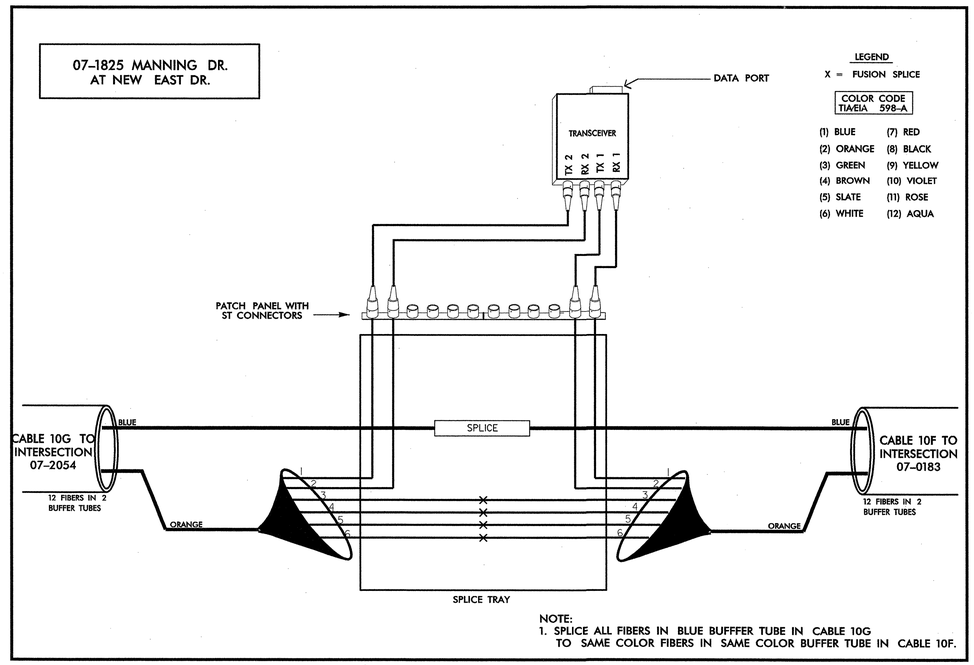
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 64



NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFFER TUBE IN CABLE 10H TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 10G.



NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFFER TUBE IN CABLE 10G TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 10F.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 10

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
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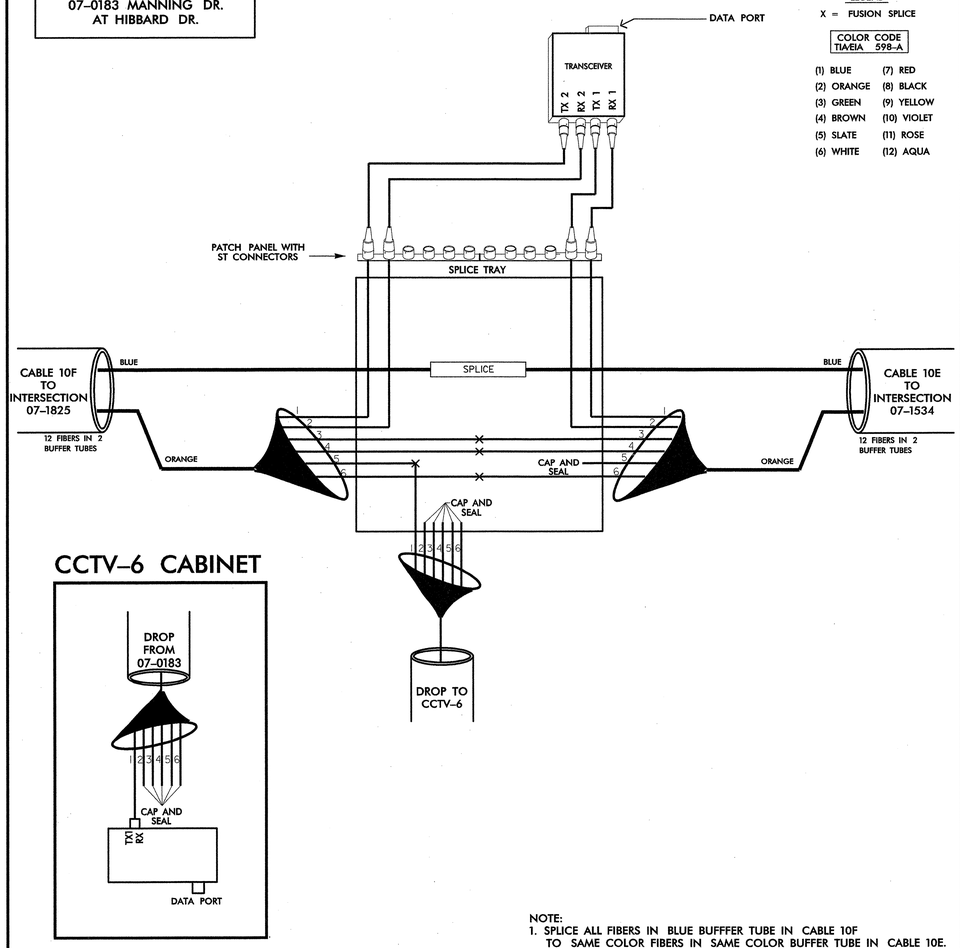
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 65

07-0183 MANNING DR. AT HIBBARD DR.



LEGEND

X = FUSION SPLICE

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

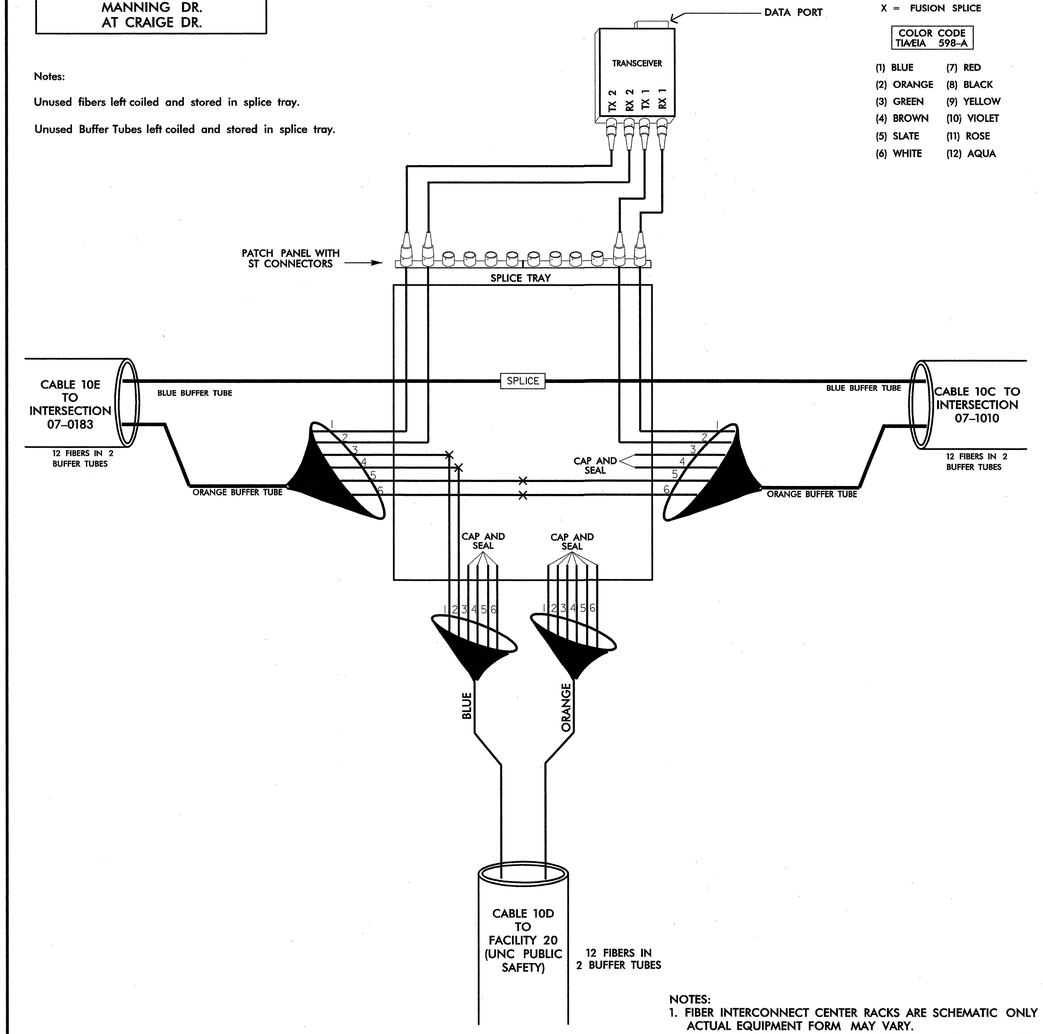
NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFFER TUBE IN CABLE 10F TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 10E.

07-1534 MANNING DR. AT CRAIGE DR.

Notes:

Unused fibers left coiled and stored in splice tray.

Unused Buffer Tubes left coiled and stored in splice tray.



LEGEND

X = FUSION SPLICE

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

NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY – ACTUAL EQUIPMENT FORM MAY VARY.
2. SPLICE ALL FIBERS IN BLUE BUFFER TUBE IN CABLE 10E TO LIKE COLOR FIBERS IN BLUE BUFFER TUBE IN CABLE 10C.

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

12/22/2008
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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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 10

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

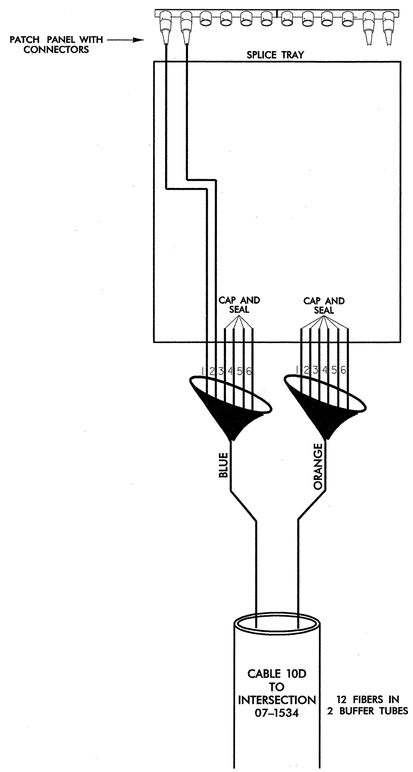
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 66

FACILITY 20
UNC PUBLIC SAFETY

LEGEND
X = FUSION SPLICE

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

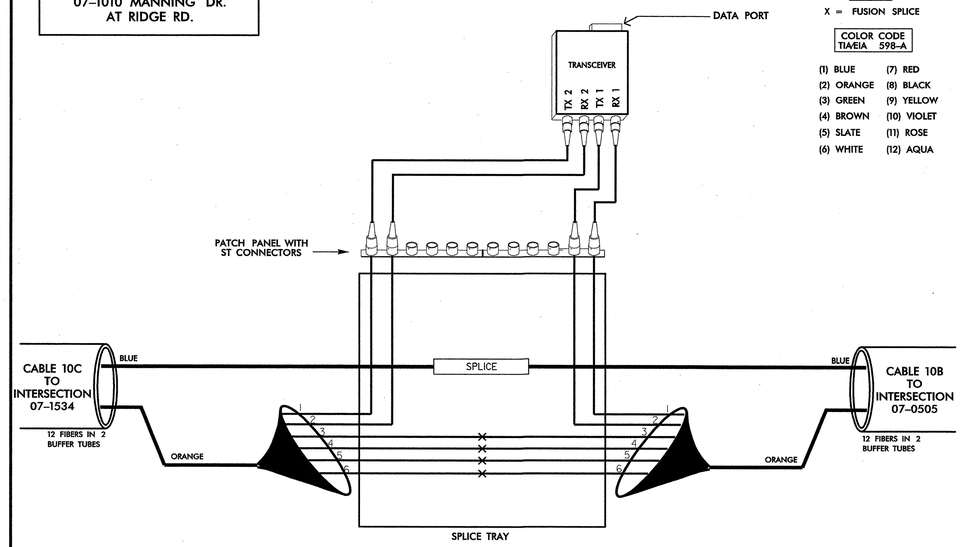


07-1010 MANNING DR. AT RIDGE RD.

LEGEND
X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFFER TUBE IN CABLE 10C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 10B.

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

12/22/2008
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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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

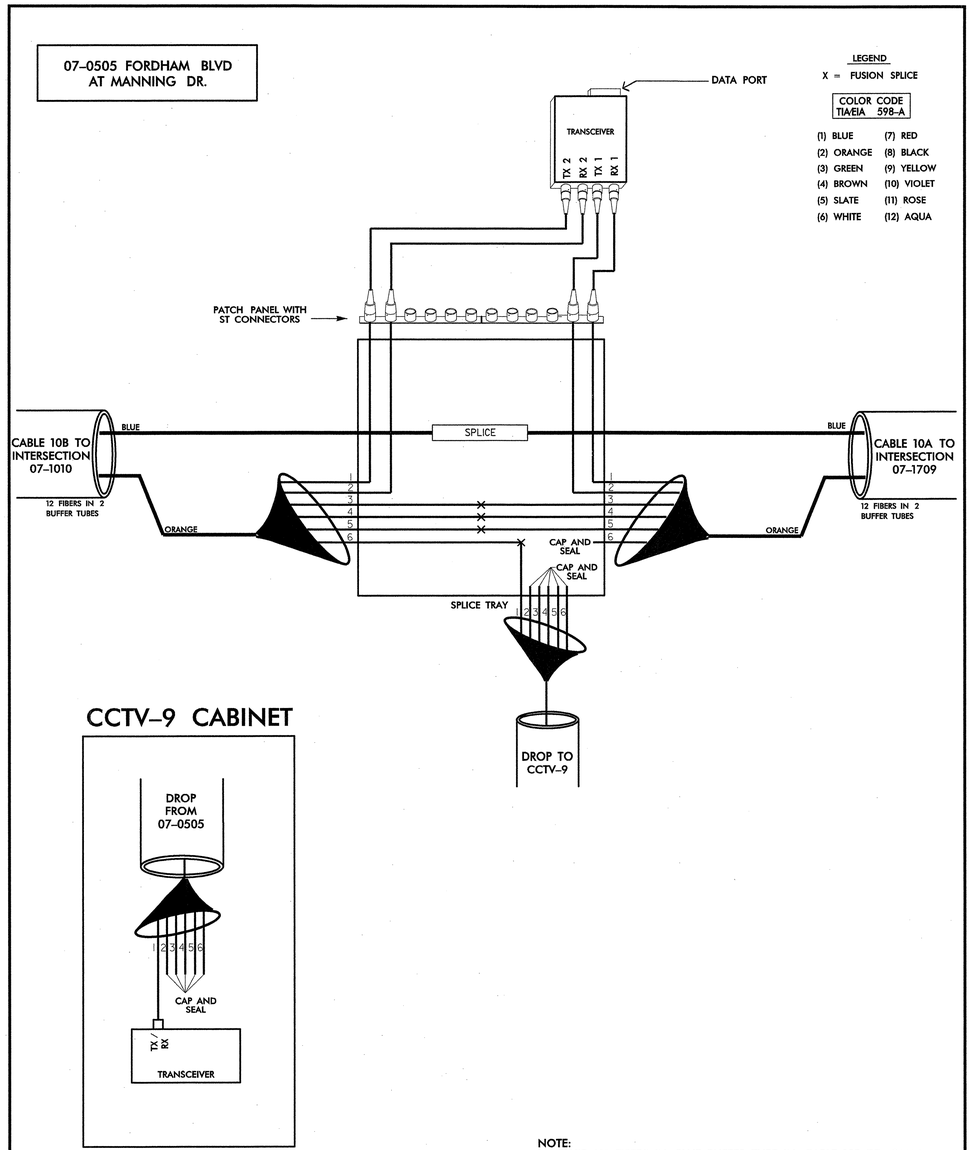
PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

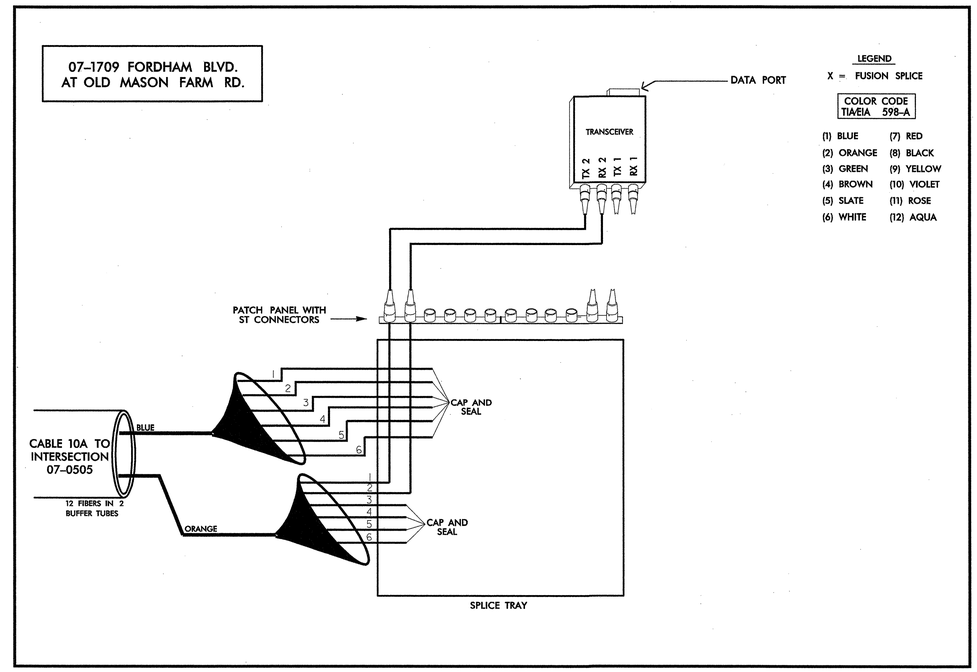
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 67



NOTE:
1. SPLICE ALL FIBERS IN BLUE BUFFER TUBE IN CABLE 10B TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 10A.



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

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

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 10

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-19-08 DATE

12/22/2008
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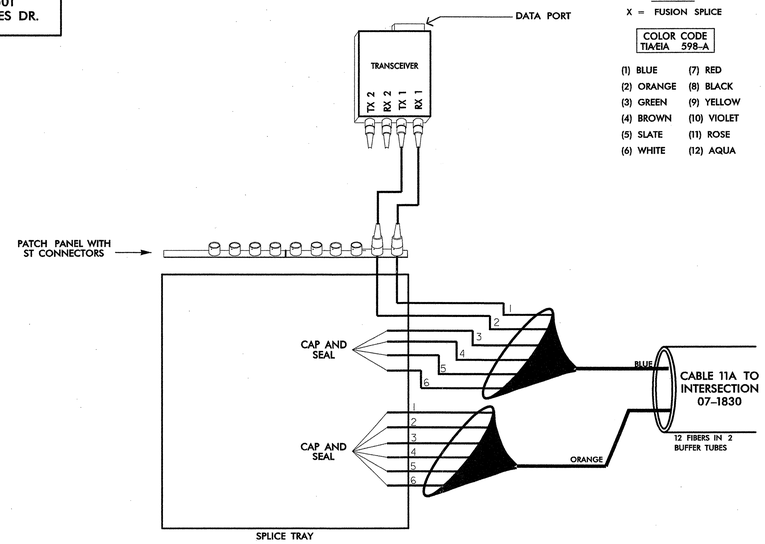
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 68

07-2103 US 15-501 AT DOGWOOD ACRES DR.

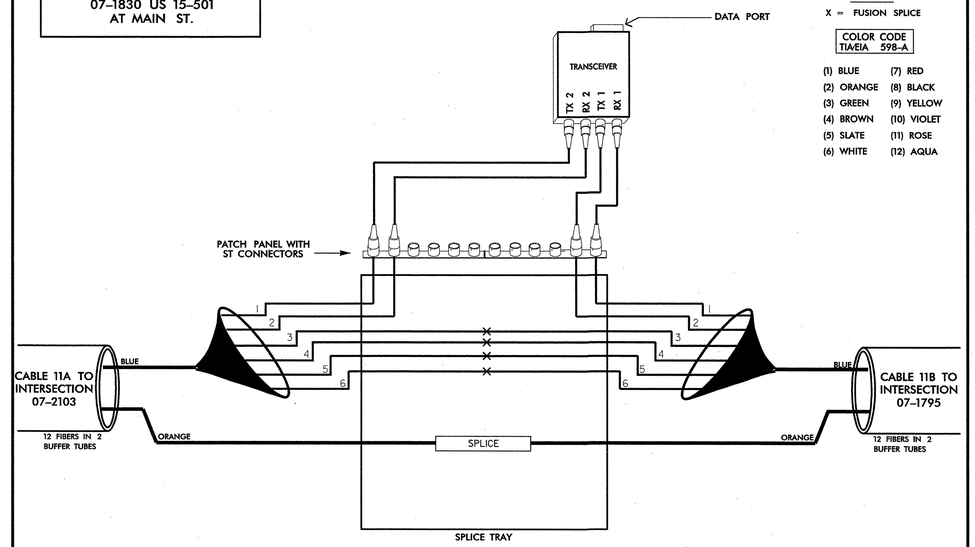


LEGEND
X = FUSION SPLICE

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

07-1830 US 15-501 AT MAIN ST.



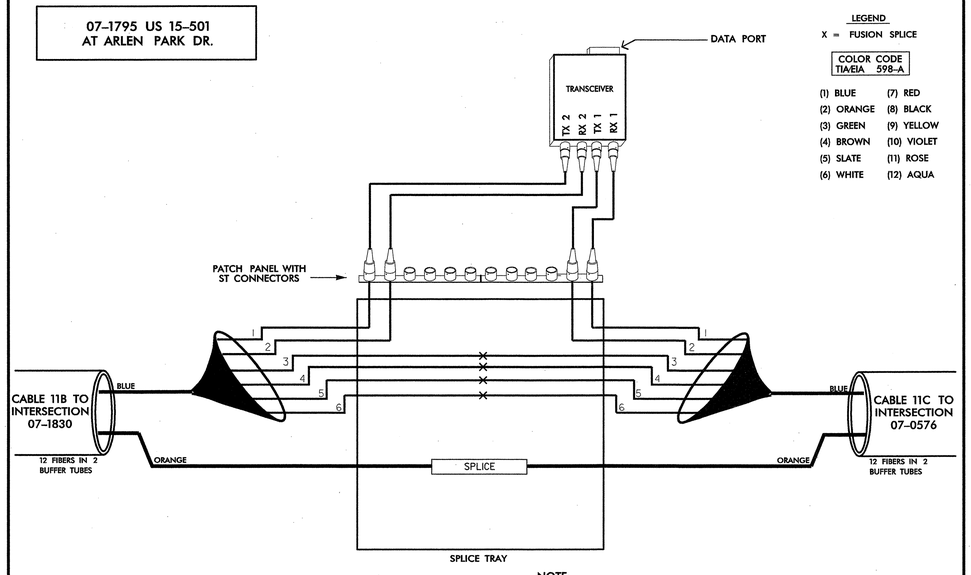
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 11A TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 11B.
2. BROWN FIBER IN BLUE BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 6.

07-1795 US 15-501 AT ARLEN PARK DR.



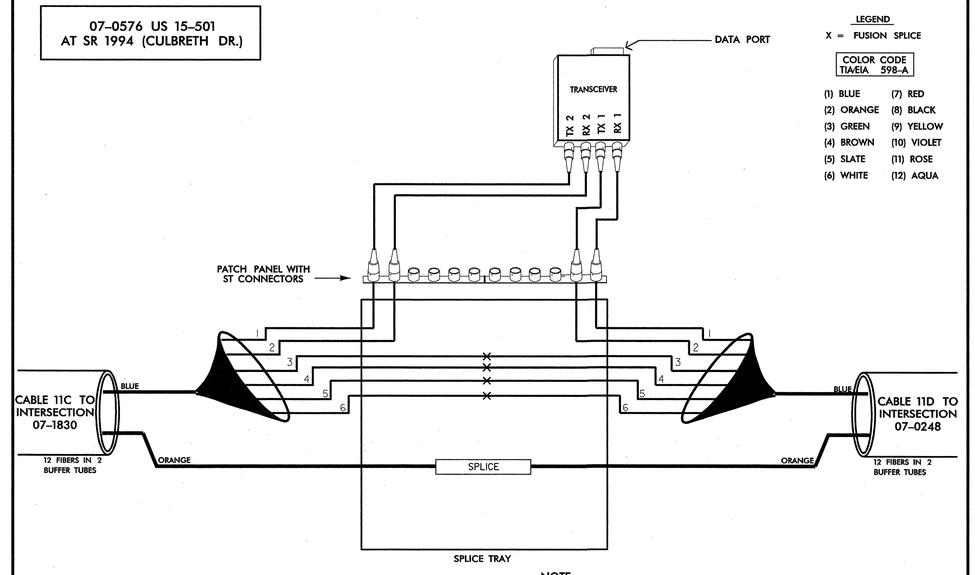
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 11B TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 11C.

07-0576 US 15-501 AT SR 1994 (CULBRETH DR.)



LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 11C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 11D.

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

12/22/2008
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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

Traffic Engineering and Safety Systems Branch
Transportation Management Unit
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 11

DIVISION 7 — ORANGE COUNTY

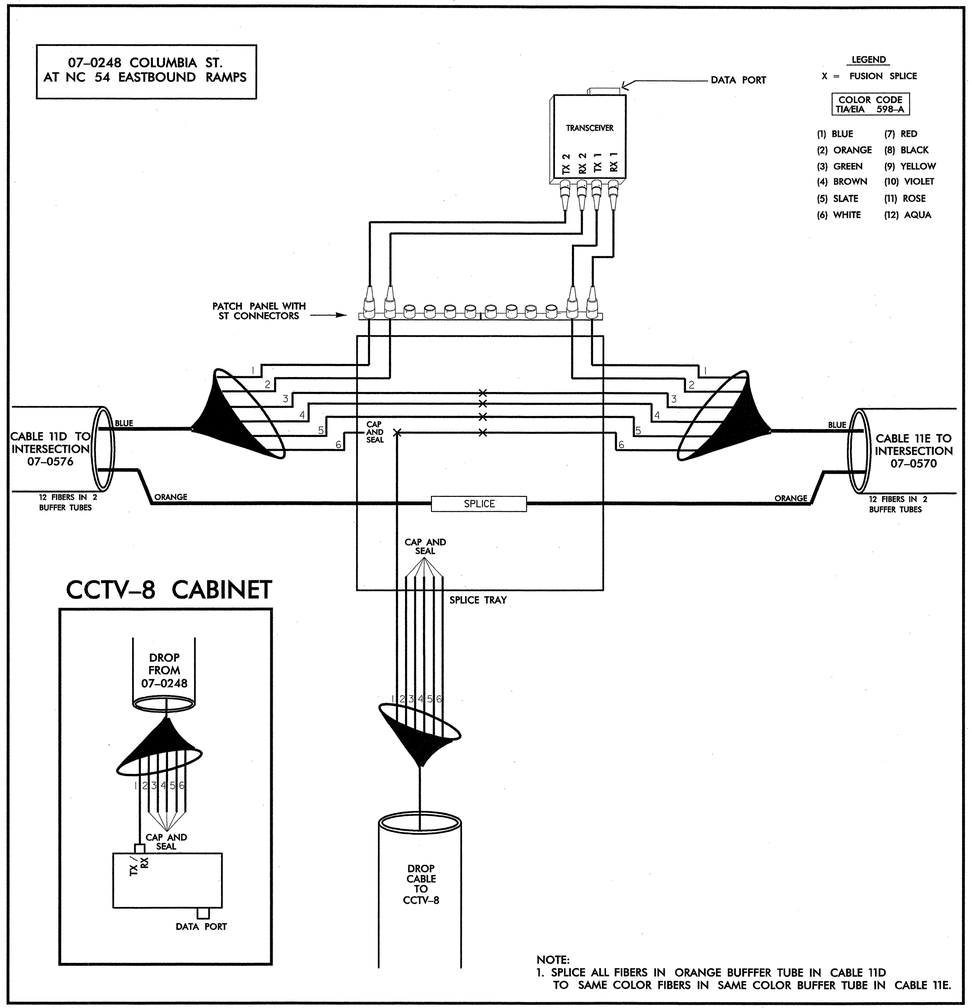
PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

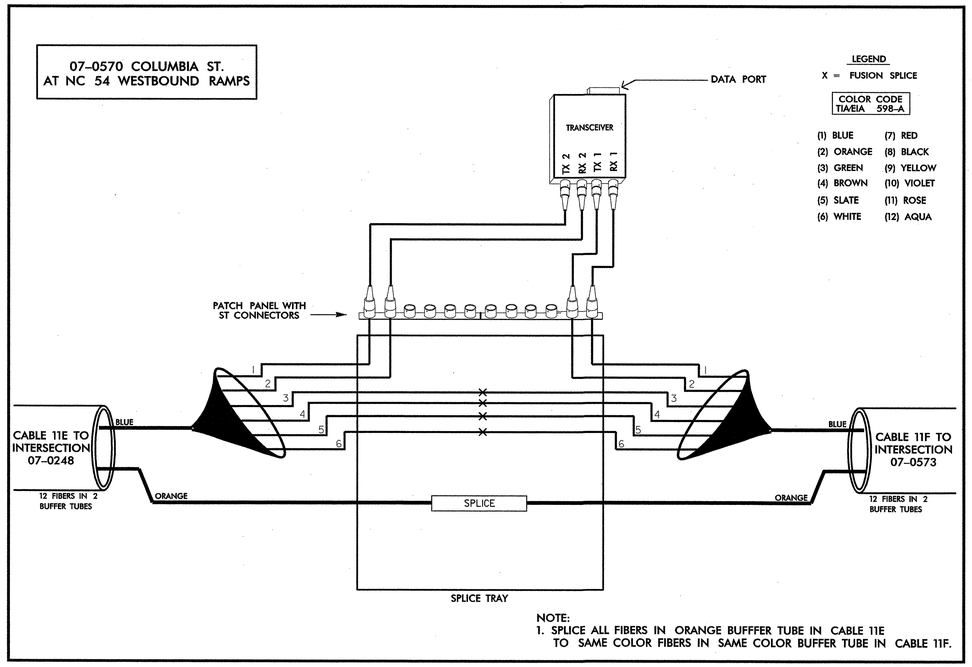
NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

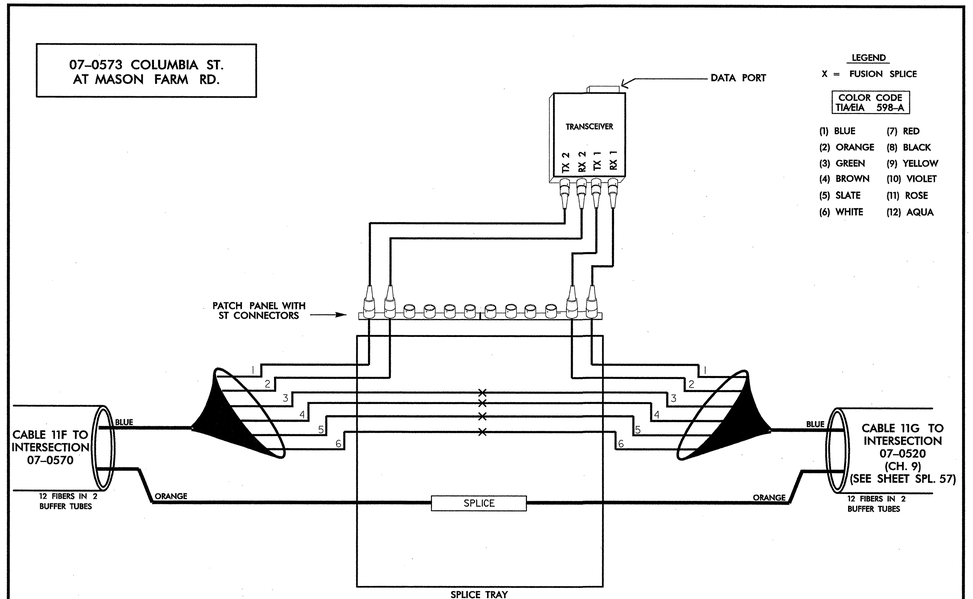
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 69



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 11D TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 11E.



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 11E TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 11F.



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 11F TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 11G.
2. SLATE FIBER IN BLUE BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 8.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 11

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 70

SPLICE ENCLOSURE AT PITTSBORO ST. AT MCCAULEY ST.

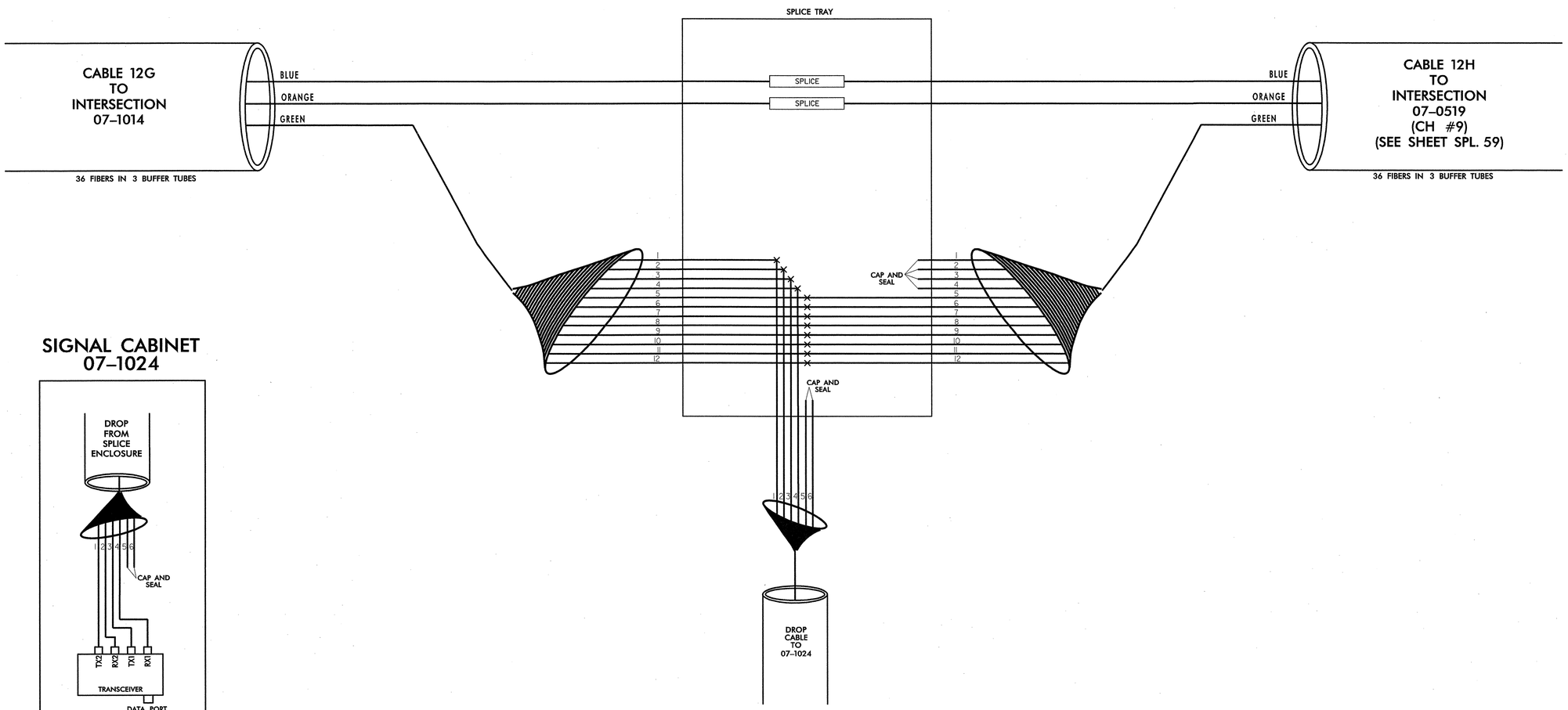
SIG. INV. 07–1024

LEGEND

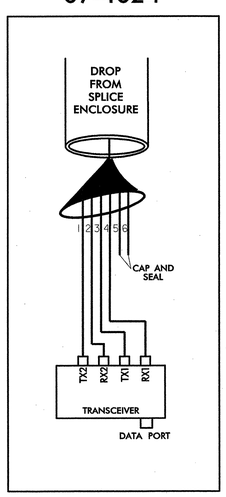
X = FUSION SPLICE

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



SIGNAL CABINET 07–1024



NOTE:
1. SPLICE ALL FIBERS IN BLUE AND ORANGE BUFFFER TUBES IN CABLE 12H TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 12G.

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 Systems Branch
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE: 0 NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-22-08

12/22/2008
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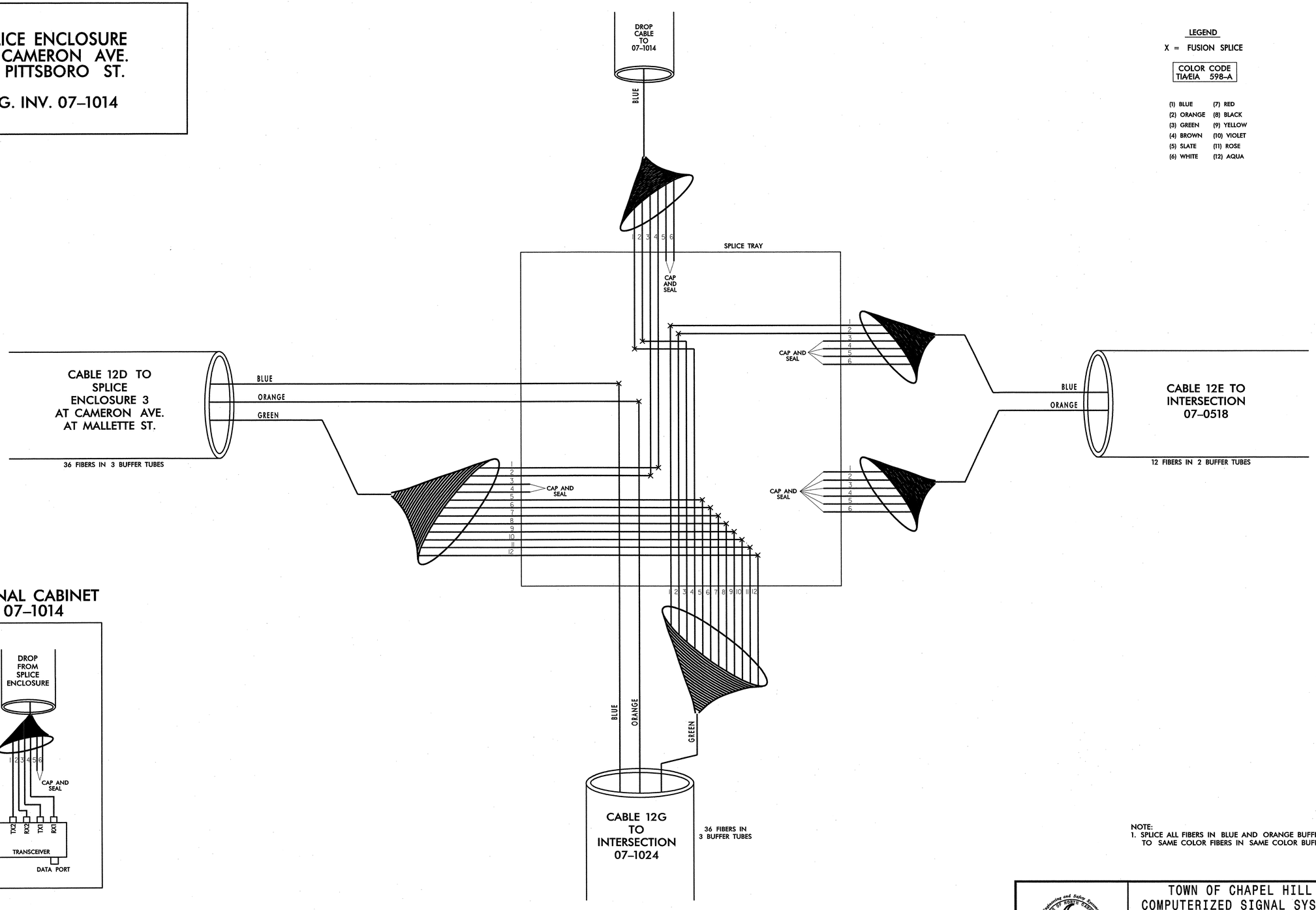
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 71

SPLICE ENCLOSURE AT CAMERON AVE. AT PITTSBORO ST.

SIG. INV. 07–1014



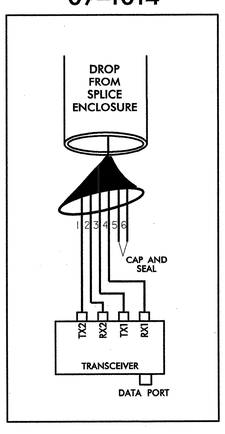
LEGEND

X = FUSION SPLICE

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

SIGNAL CABINET 07–1014



NOTE:
1. SPLICE ALL FIBERS IN BLUE AND ORANGE BUFFFER TUBES IN CABLE 12D TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 12G.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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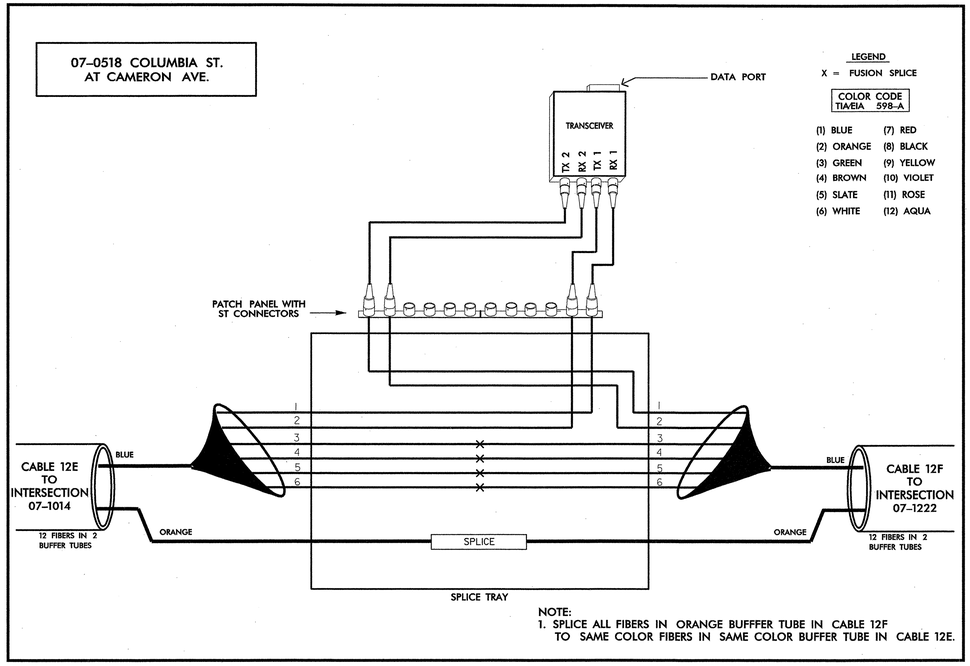
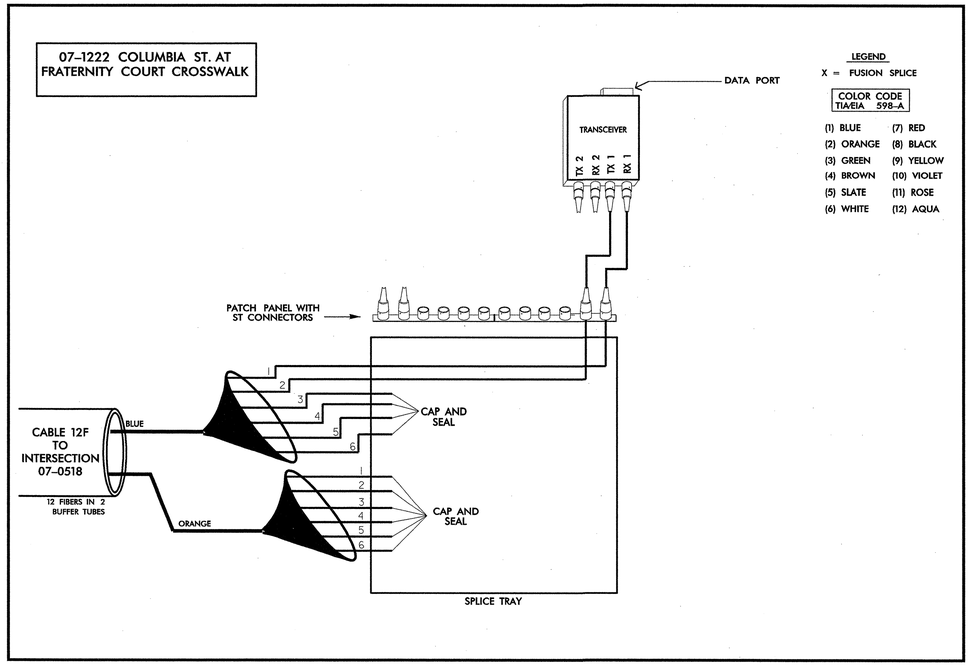
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 72



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 12F TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 12E.



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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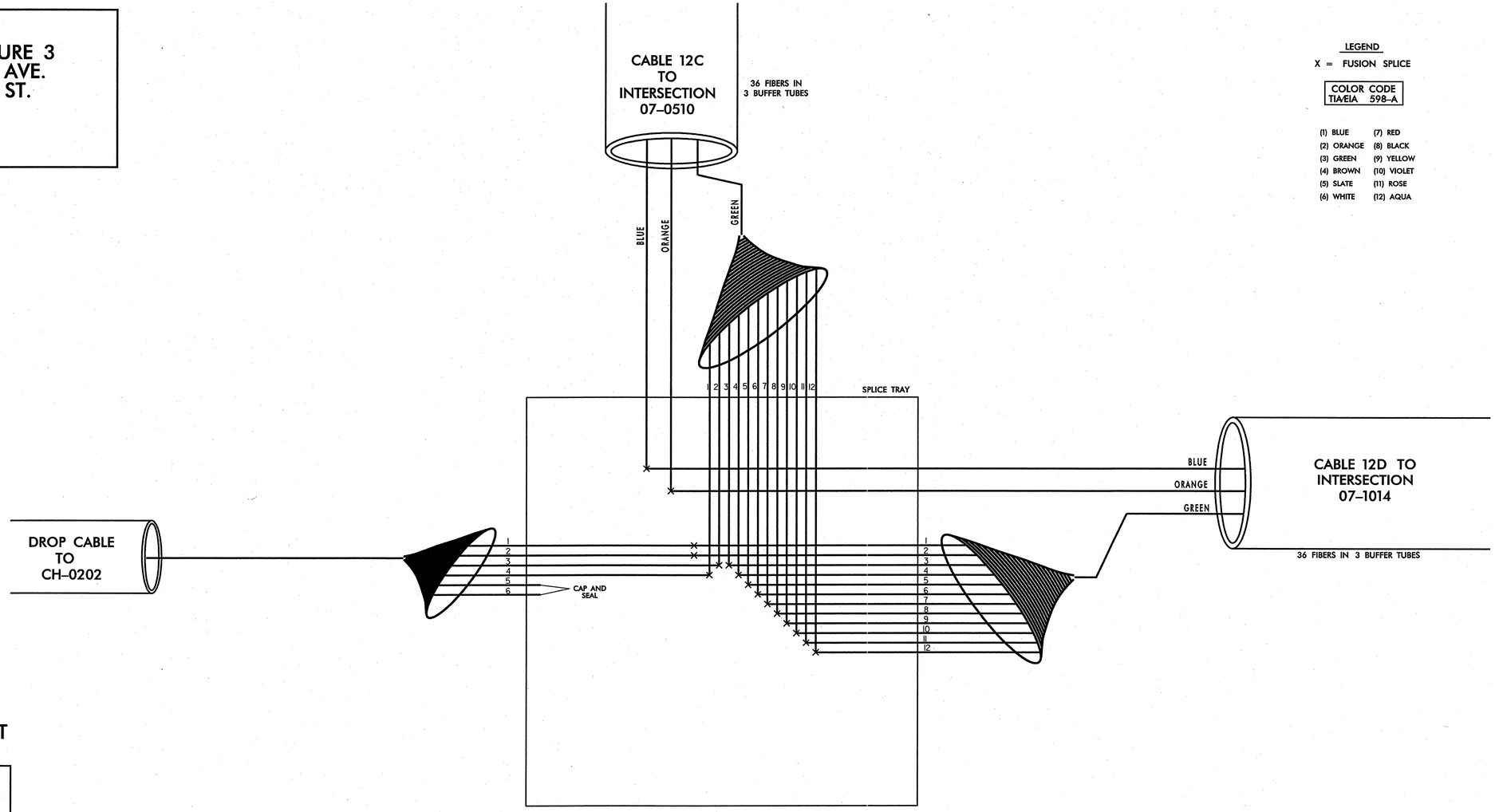
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 73

SPLICE ENCLOSURE 3 AT CAMERON AVE. AT MALLETTE ST.



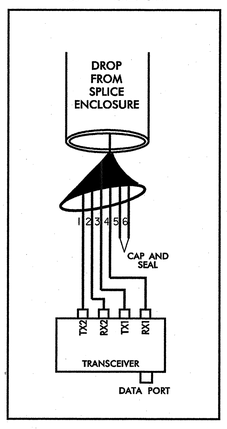
LEGEND

X = FUSION SPLICE

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

SIGNAL CABINET CH-0202



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

NOTE:
1. SPLICE ALL FIBERS IN BLUE AND ORANGE BUFFFER TUBES IN CABLE 12D TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 12C.

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 Systems Branch
Transportation Management Unit
DIVISION OF HIGHWAYS
DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-31-08 DATE

$DATE$
$FILE$

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 74

SPLICE ENCLOSURE AT FRANKLIN ST. AT MALLETTE ST.

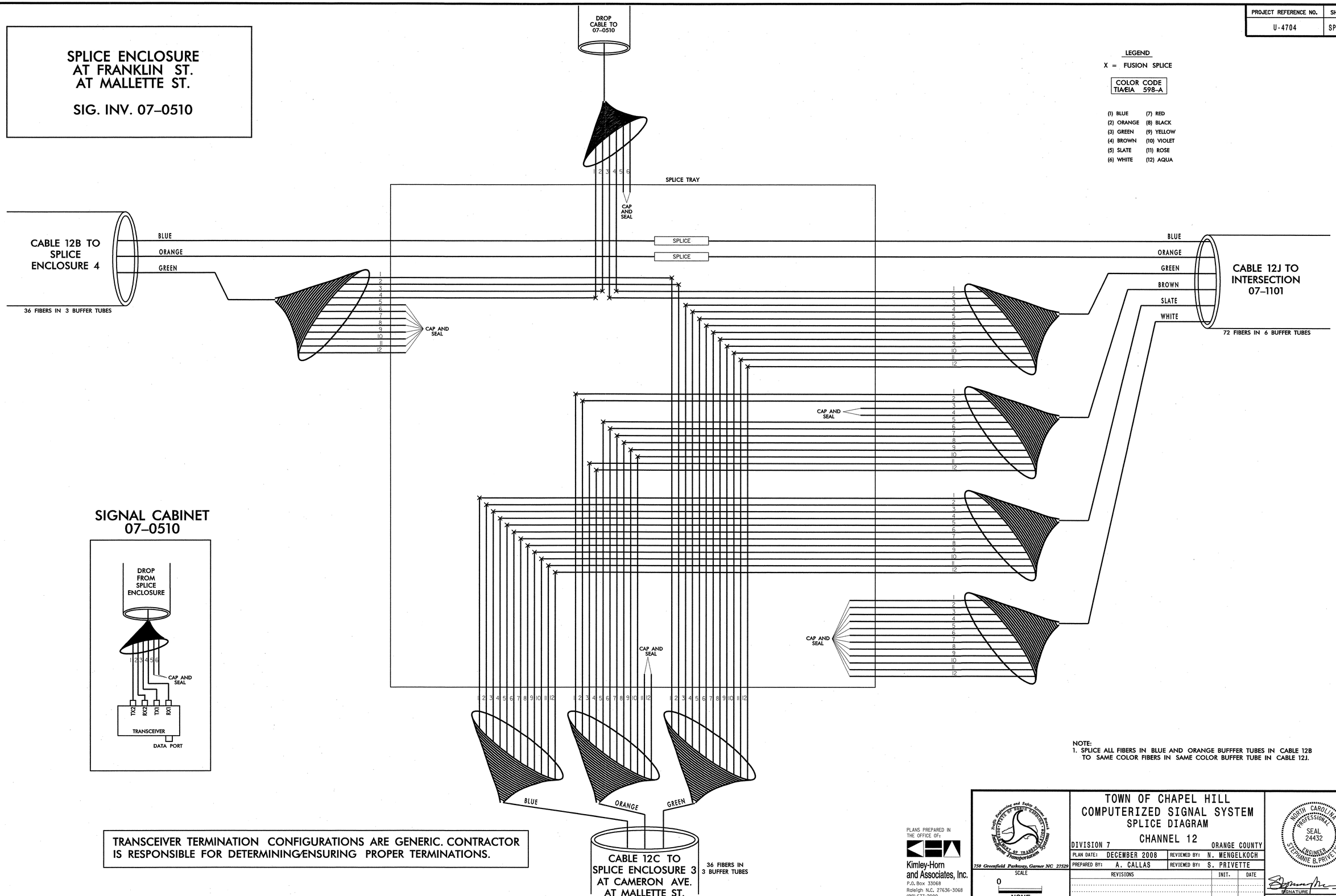
SIG. INV. 07–0510

LEGEND

X = FUSION SPLICE

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



NOTE:
1. SPLICE ALL FIBERS IN BLUE AND ORANGE BUFFFER TUBES IN CABLE 12B TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 12J.

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 Systems Branch
Intelligent Transportation Systems
INSTITUTE OF TRANSPORTATION RESEARCH & EDUCATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/29/2008
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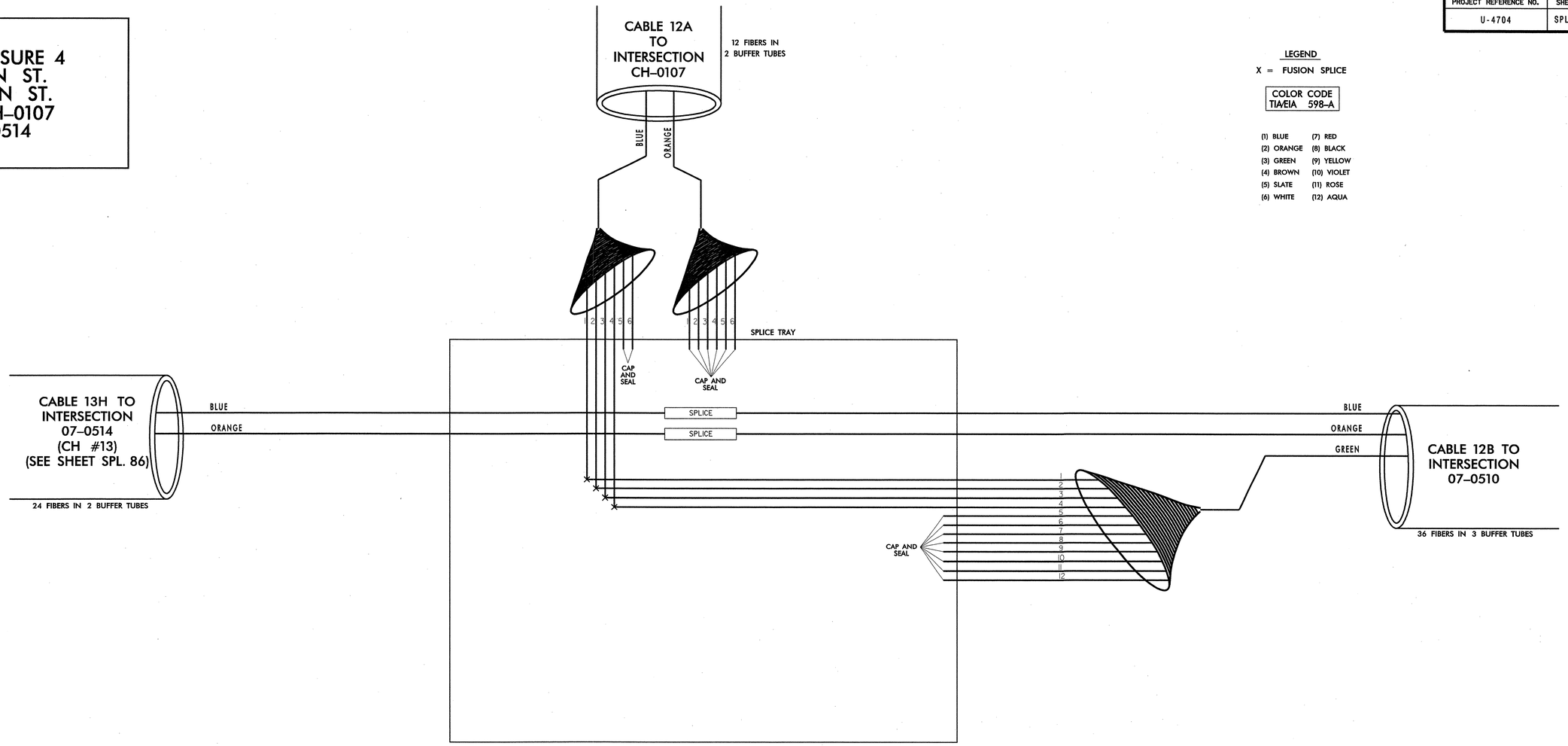
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 75

SPLICE ENCLOSURE 4
AT FRANKLIN ST.
AT ROBERSON ST.
BETWEEN CH-0107
AND 07-0514



LEGEND

X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN BLUE AND ORANGE BUFFFER TUBES IN CABLE 13H TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 12B.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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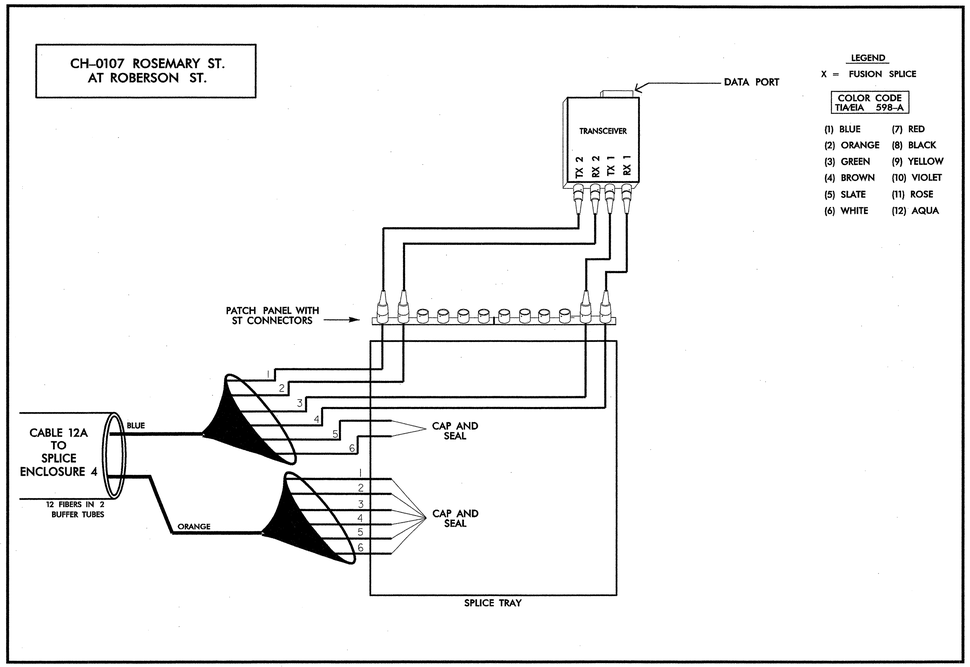
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 76



LEGEND

X = FUSION SPLICE

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

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

12/22/2008
H:\systems\projects\01\036150 (chapel hill)\splicing\spl_12_08.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
Traffic Engineering and Safety Systems Branch
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 77

SPLICE ENCLOSURE AT FRANKLIN ST. AT CHURCH ST.

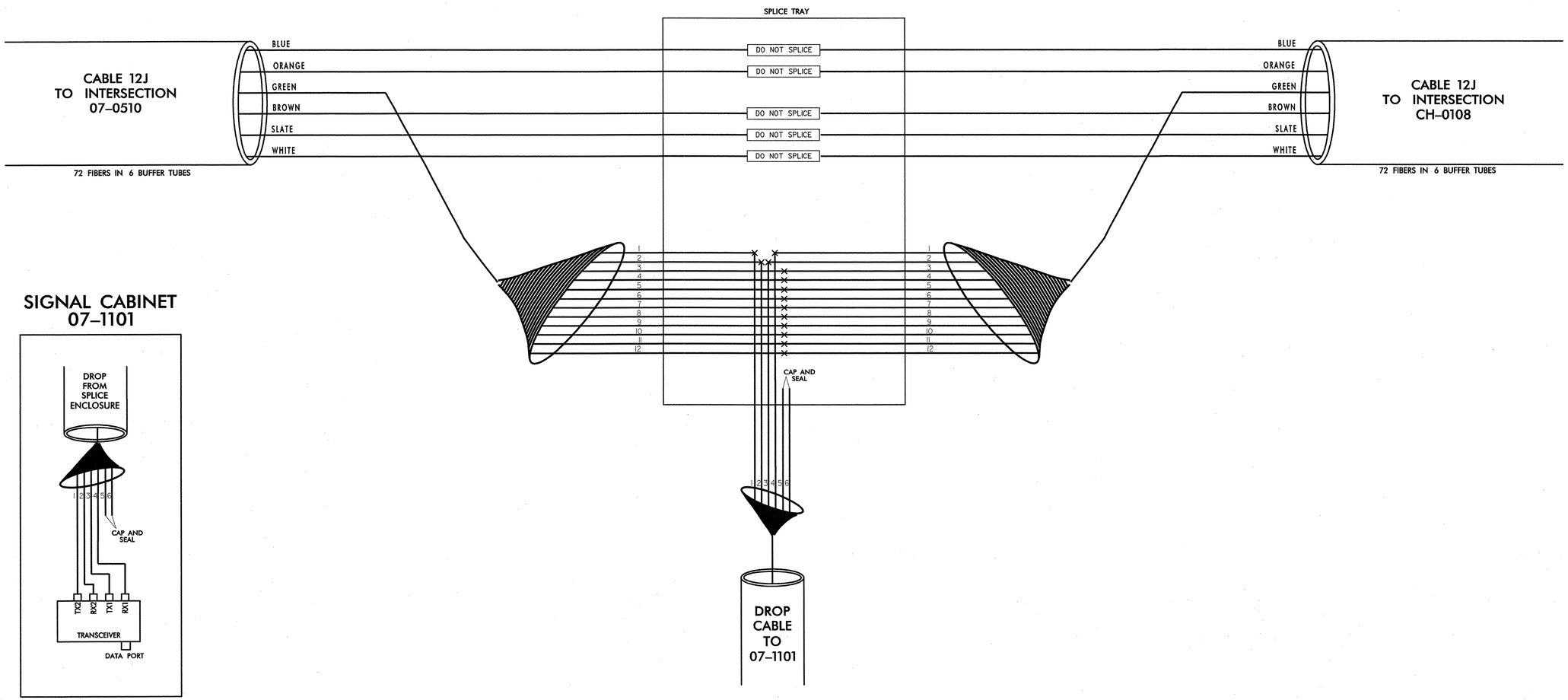
SIG. INV. 07–1101

LEGEND

X = FUSION SPLICE

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



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 78

SPLICE ENCLOSURE AT ROSEMARY ST. AT CHURCH ST.

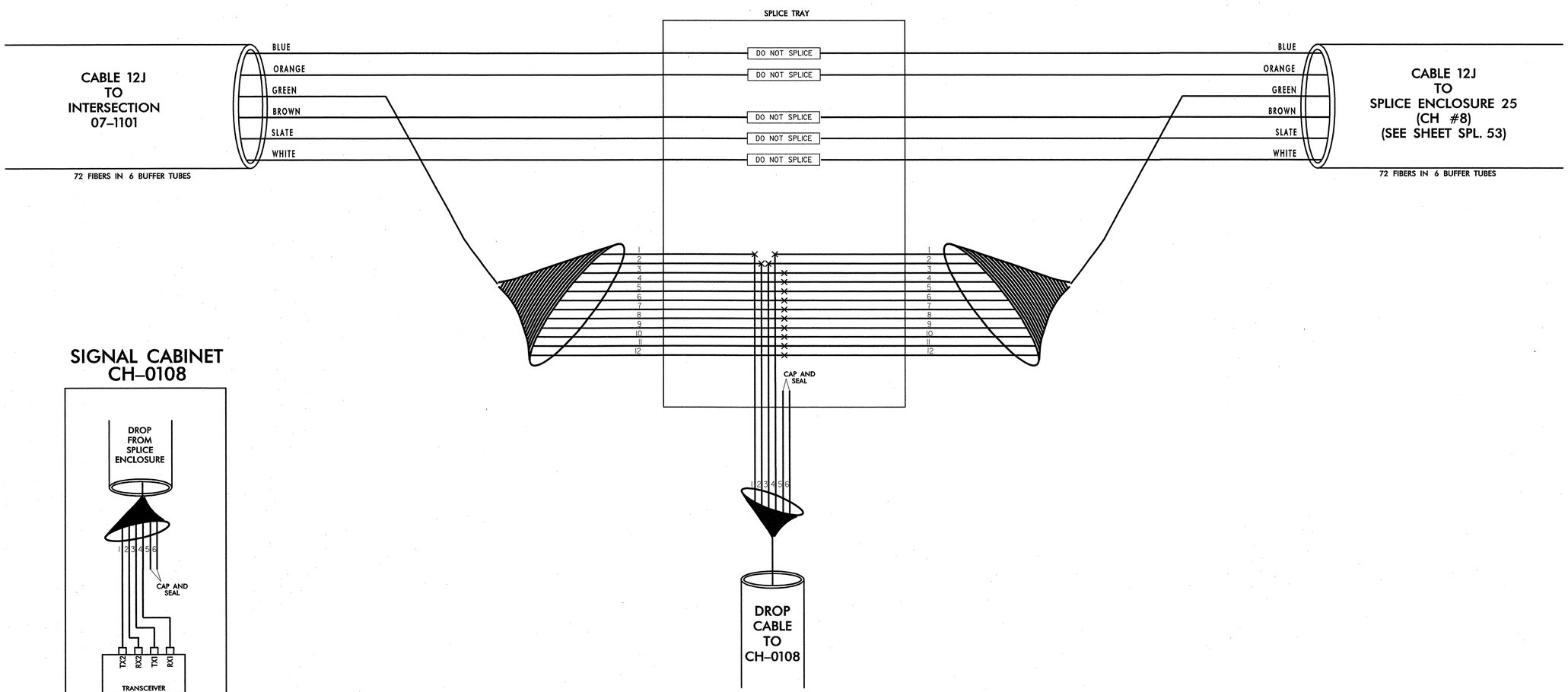
SIG. INV. CH–0108

LEGEND

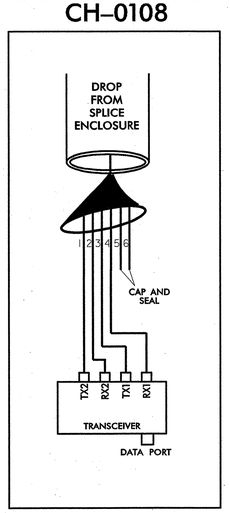
X = FUSION SPLICE

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



SIGNAL CABINET CH–0108



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

NOTES:
1. AQUA FIBER IN GREEN BUFFER TUBE RESERVED FUTURE CCTV CAMERA 3.

PLANS PREPARED IN THE OFFICE OF:

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

Pride, Protection and Safety Symbolized — Department of Public Enterprise — Department of Transportation — Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE: 0 — NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 12

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 24432 STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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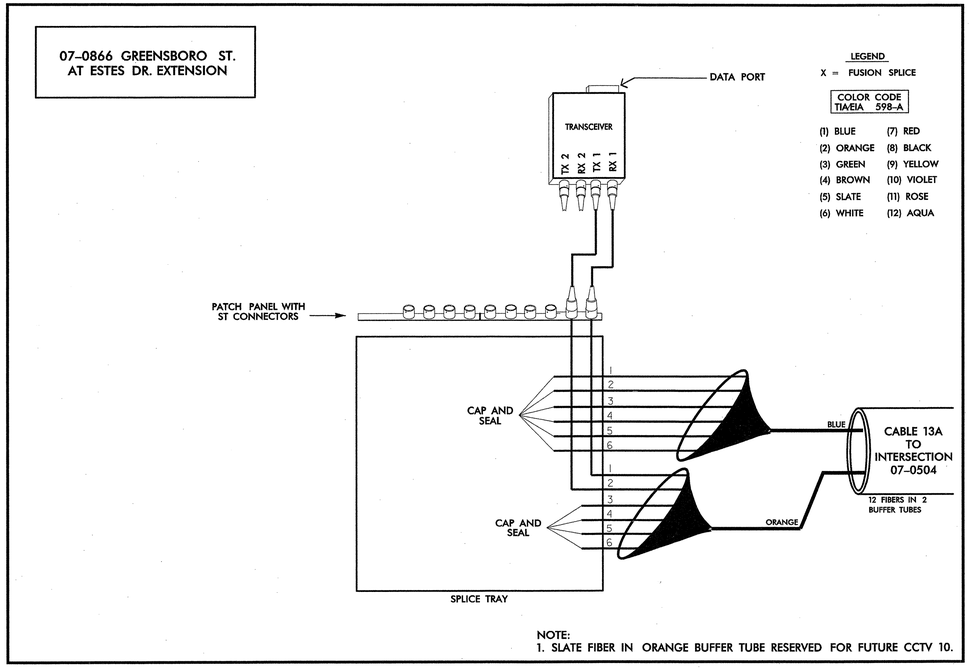
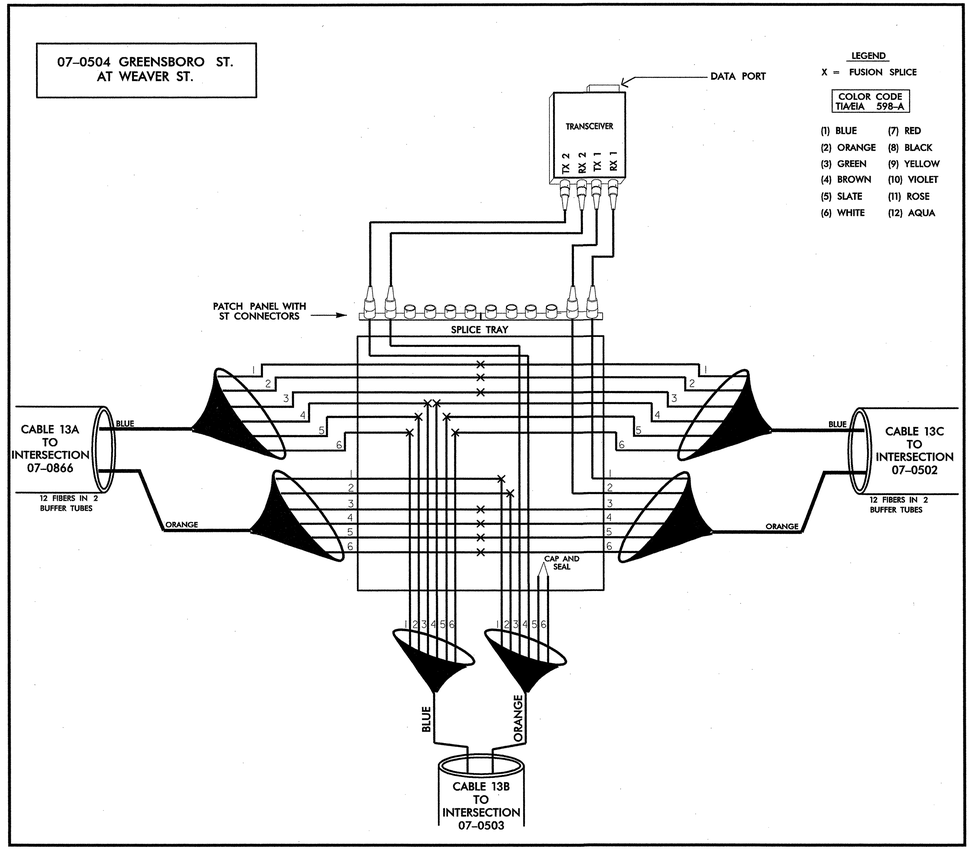
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 79



NOTE:
1. SLATE FIBER IN ORANGE BUFFER TUBE RESERVED FOR FUTURE CCTV 10.



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
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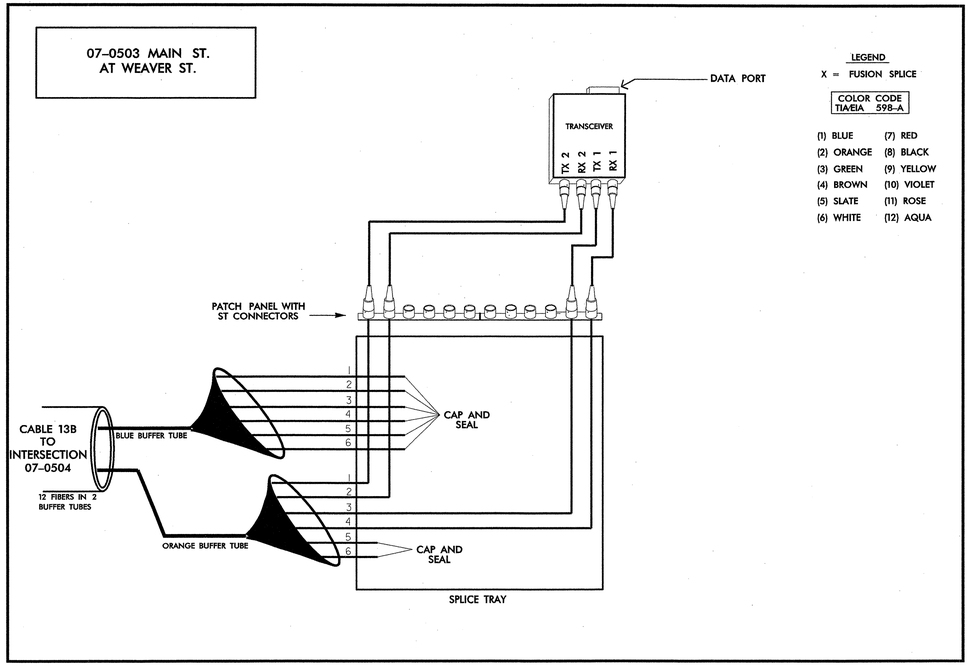
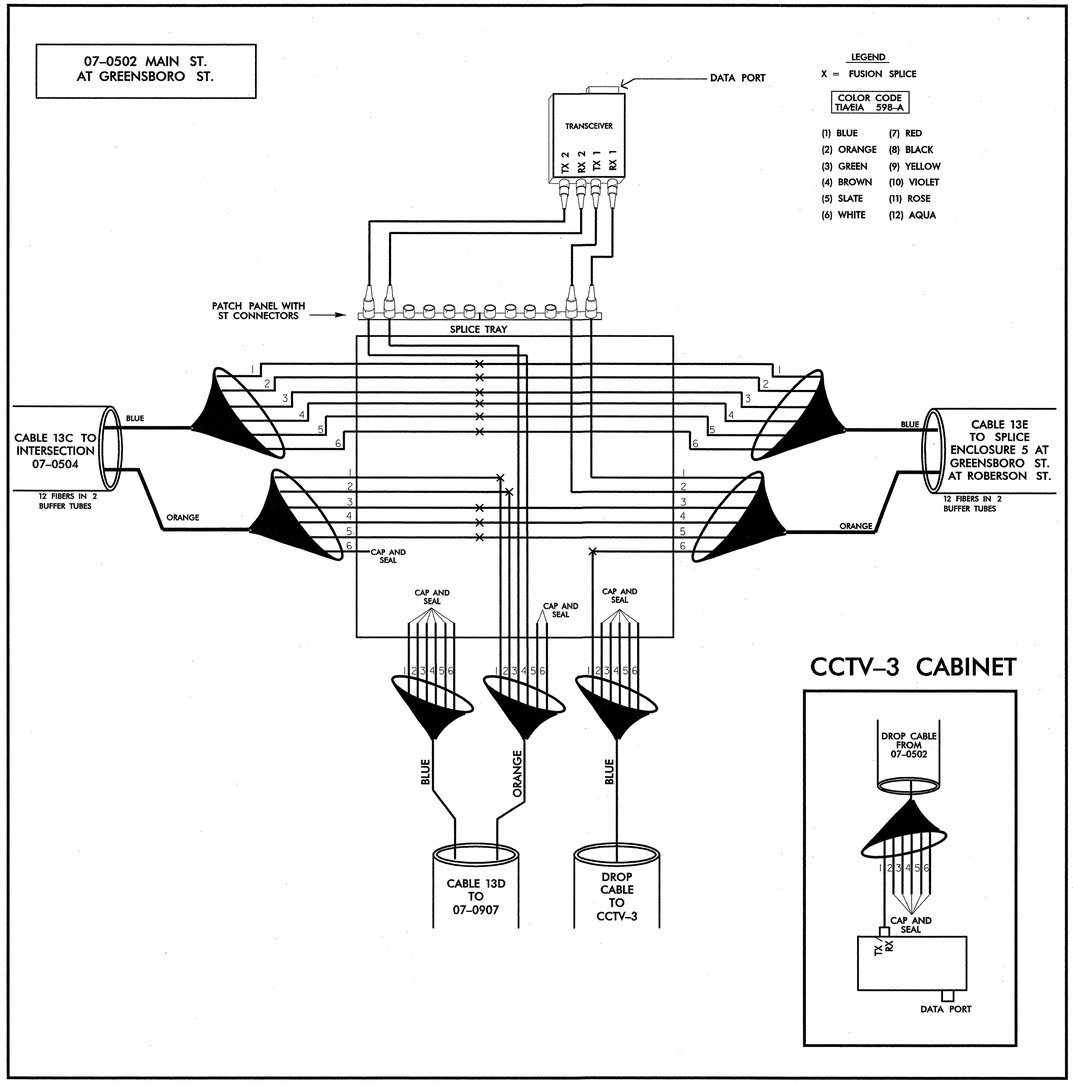
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 80





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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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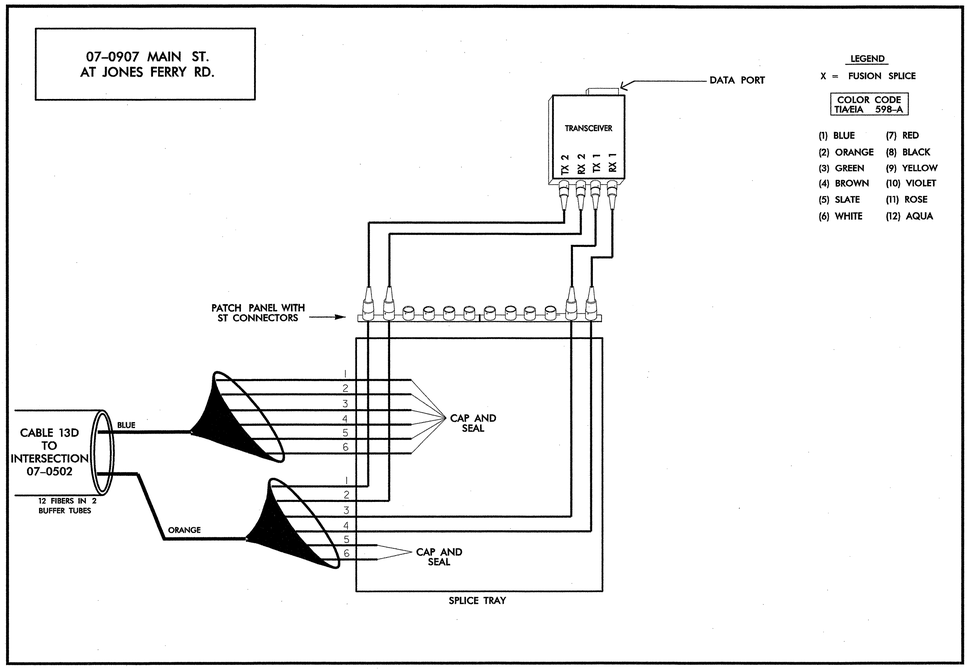
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 81



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

12/22/2008
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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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

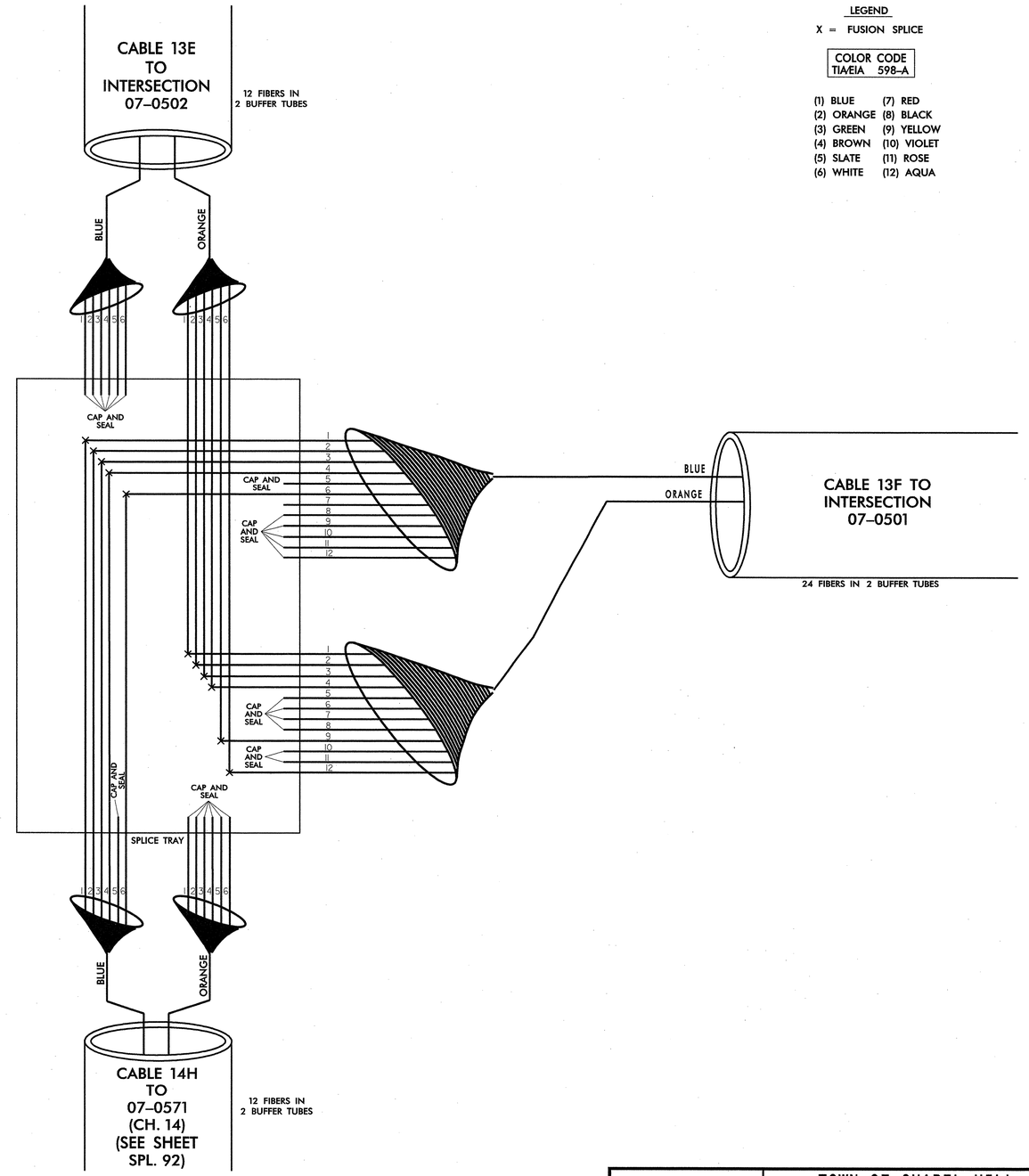
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 82

SPLICE ENCLOSURE 5
AT GREENSBORO ST.
AT ROBERSON ST.



LEGEND

X = FUSION SPLICE

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

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

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(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 83

SPLICE ENCLOSURE AT MAIN ST. AT ROBERSON ST.

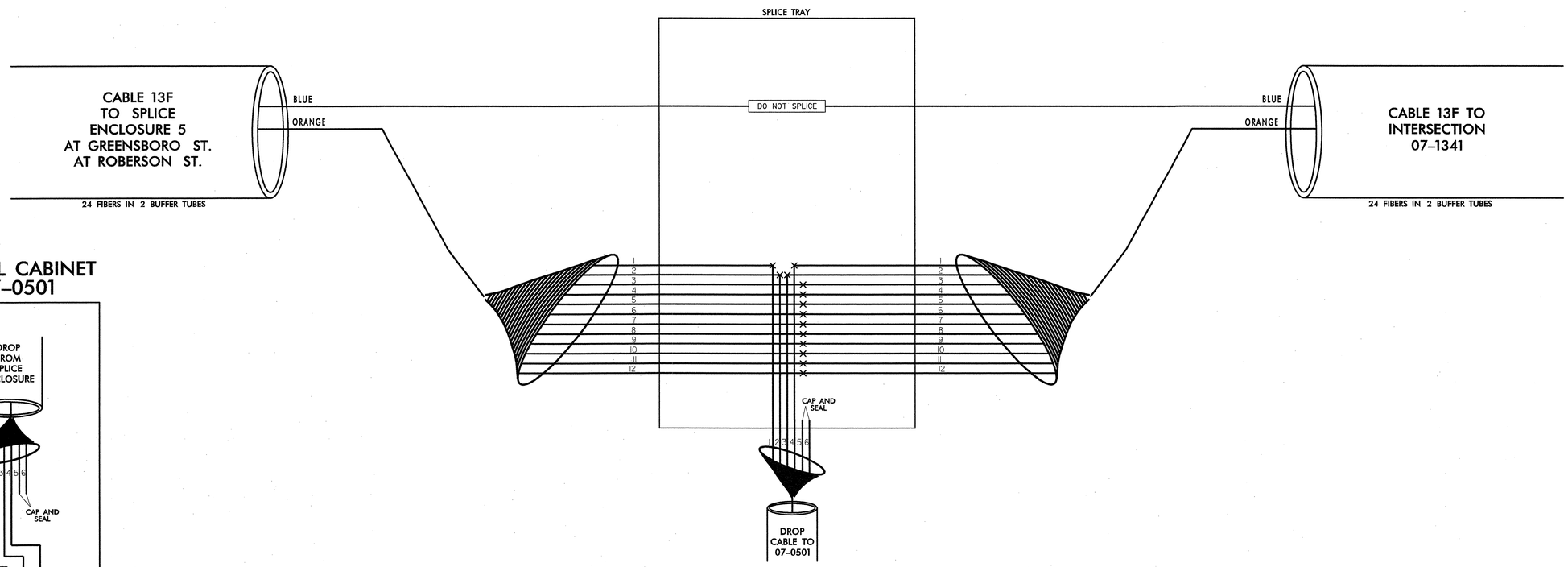
SIG. INV. 07-0501

LEGEND

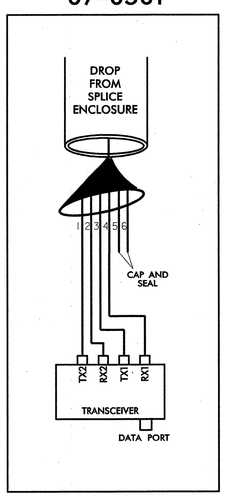
X = FUSION SPLICE

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



SIGNAL CABINET 07-0501



NOTE:
1. VIOLET FIBER IN ORANGE BUFFER TUBE RESERVED FOR FUTURE CCTV CAMERA 9.

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

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 84

SPLICE ENCLOSURE
AT MAIN ST.
AT LLOYD ST.

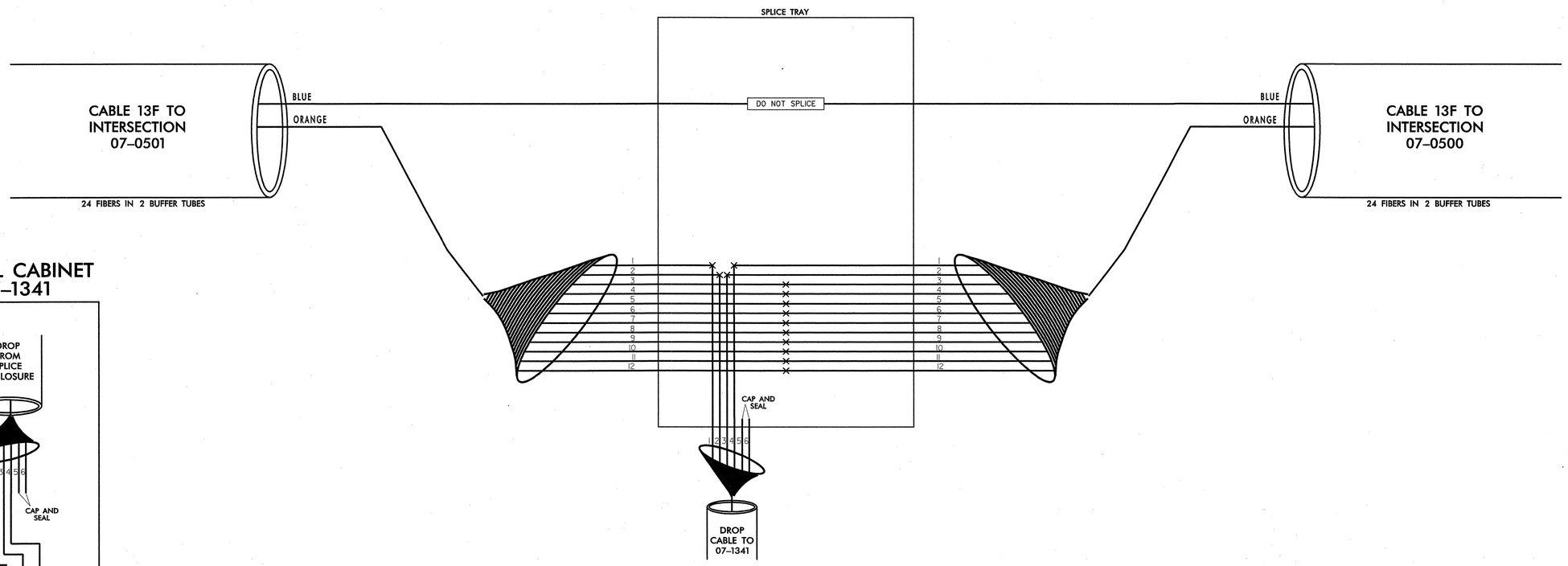
SIG. INV. 07-1341

LEGEND

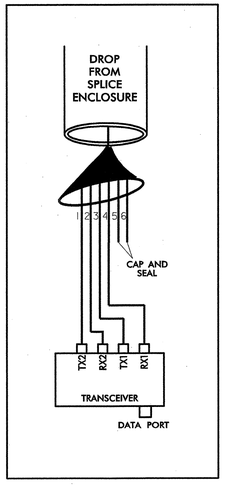
X = FUSION SPLICE

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



SIGNAL CABINET
07-1341



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

12/22/2008
I:\systems\projects\0110361\50 (chapel hill)\splicing\spl_13_06.dgn

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

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

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 85

SPLICE ENCLOSURE
AT MAIN ST.
AT ROSEMARY ST.

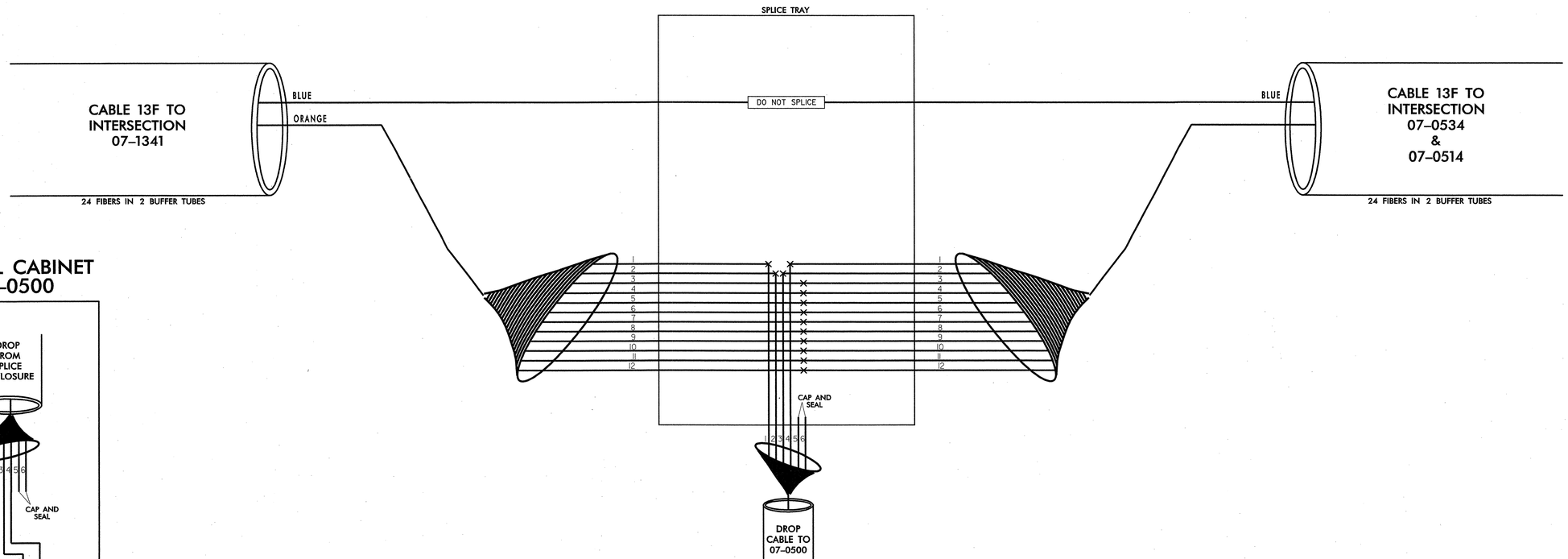
SIG. INV. 07–0500

LEGEND

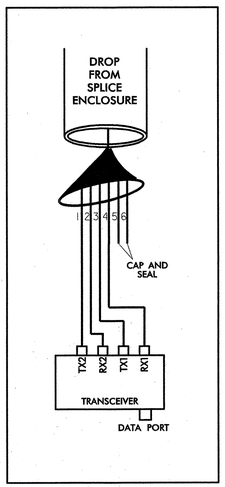
X = FUSION SPLICE

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



SIGNAL CABINET 07–0500



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

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 86

SPLICE ENCLOSURE
AT FRANKLIN ST.
AT GRAHAM ST.

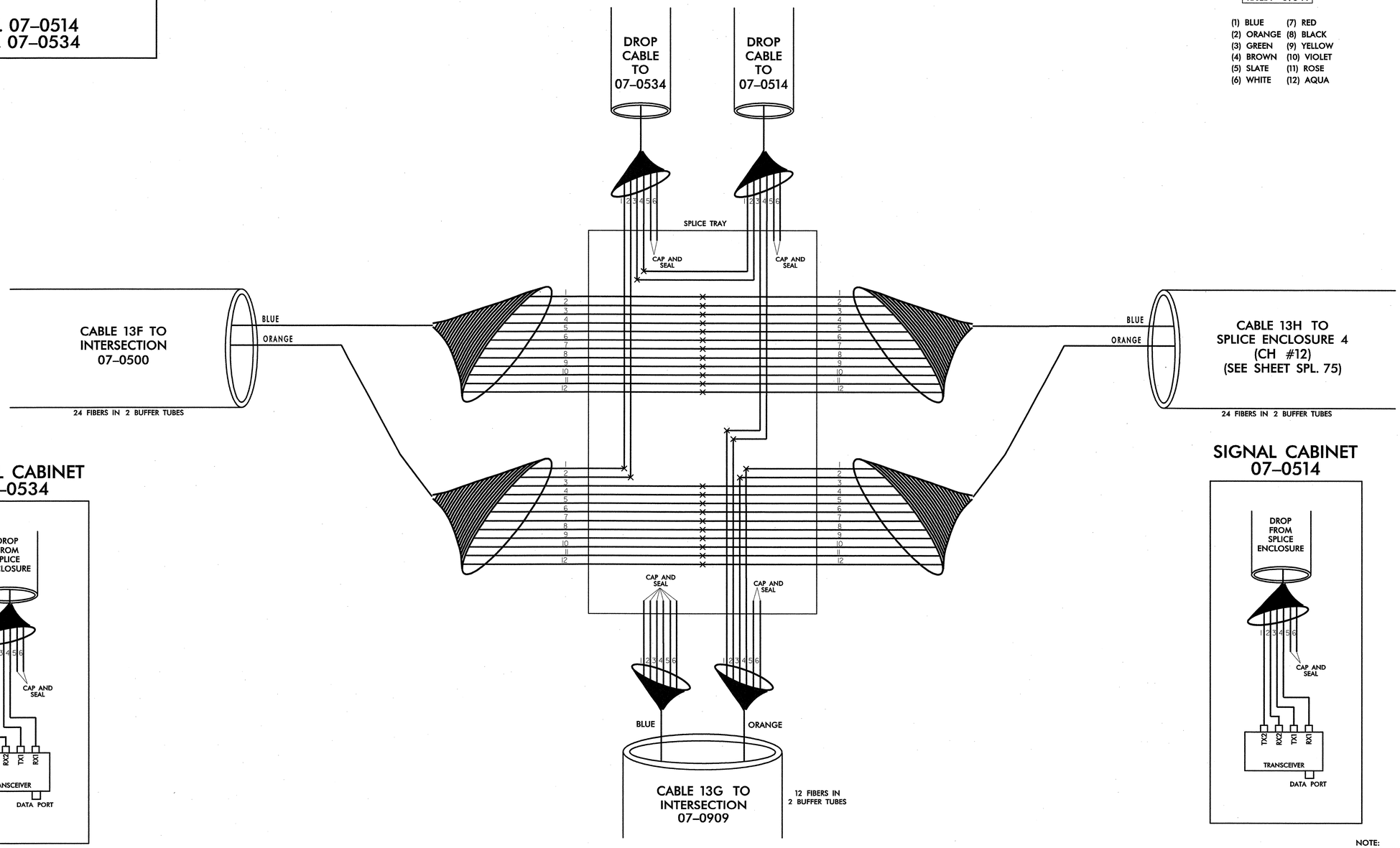
SIG. INV. 07–0514
SIG. INV. 07–0534

LEGEND

X = FUSION SPLICE

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



NOTE:
1. ROSE FIBER IN ORANGE TUBE RESEVED FOR FUTURE CCTV CAMERA 4.

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

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(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
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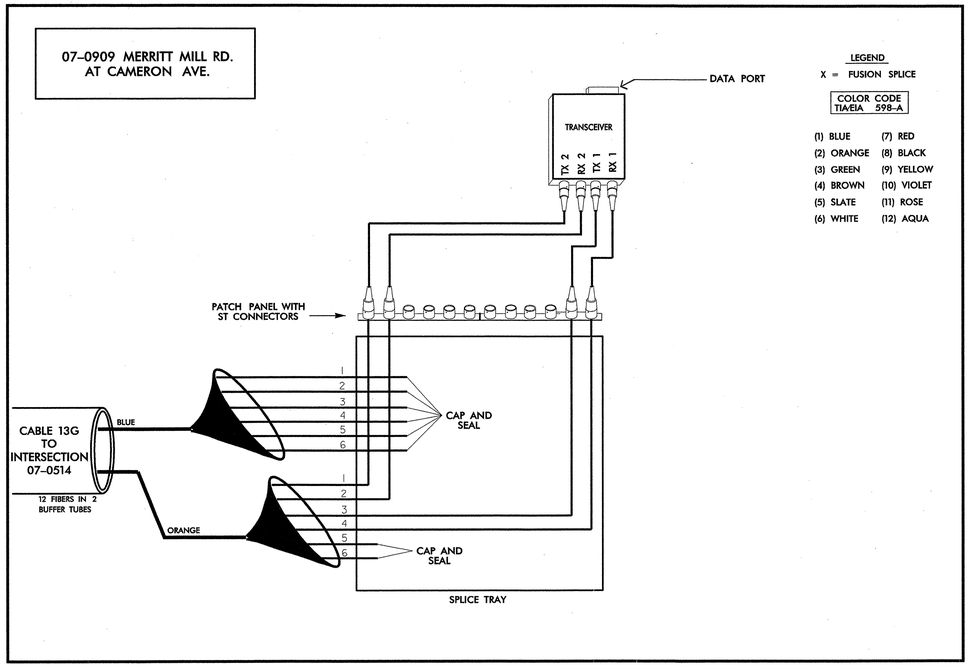
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 87



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

12/22/2008
f:\systems\projects\U110361.50 (chapel hill)\spl\chg\spl_13_09.dgn

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

Institute for Transportation Research and Education
Intelligent Transportation Systems
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 13

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

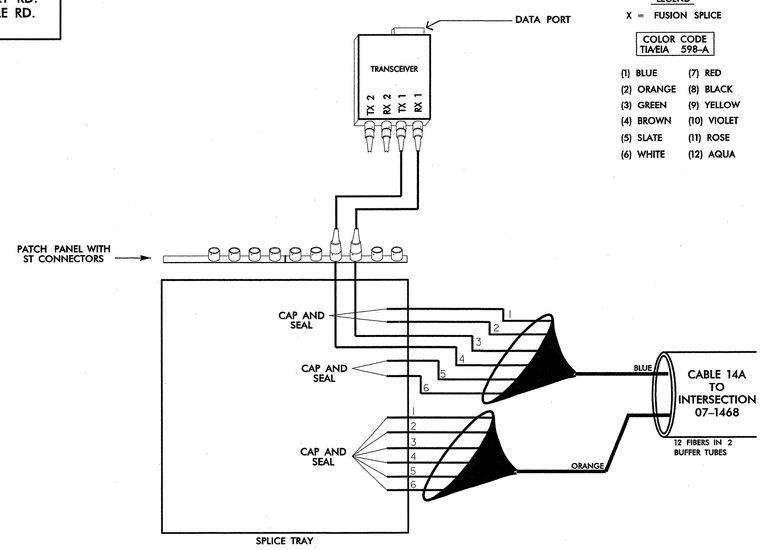
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 88

07-1048 JONES FERRY RD. AT OLD FAYETTEVILLE RD.



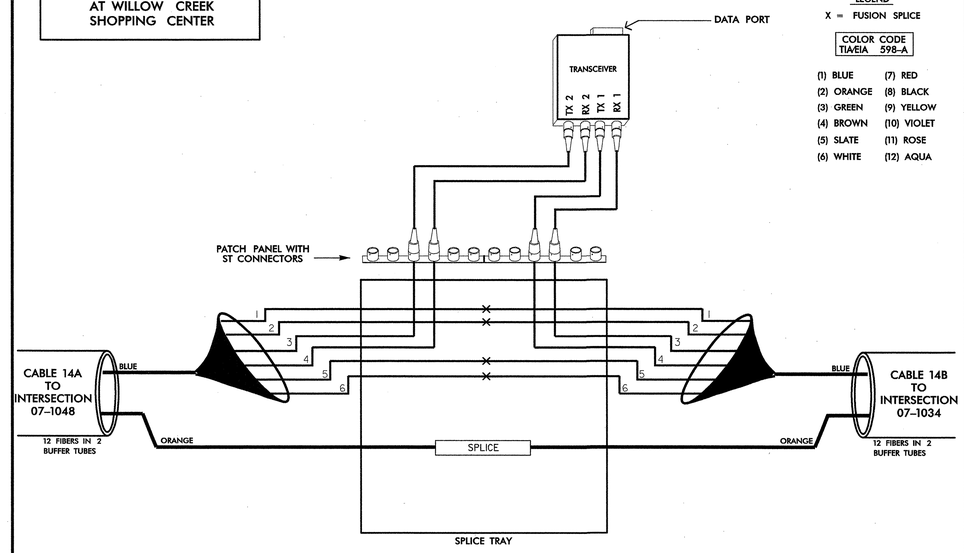
LEGEND

X = FUSION SPLICE

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

07-1468 JONES FERRY RD. AT WILLOW CREEK SHOPPING CENTER



LEGEND

X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 14A TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 14B.

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

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

750 Greenfield Parkway, Garner NC 27529

SCALE: 0 NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 14

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 89

SPLICE ENCLOSURE
JONES FERRY RD.
AT NC 54 WESTBOUND RAMP

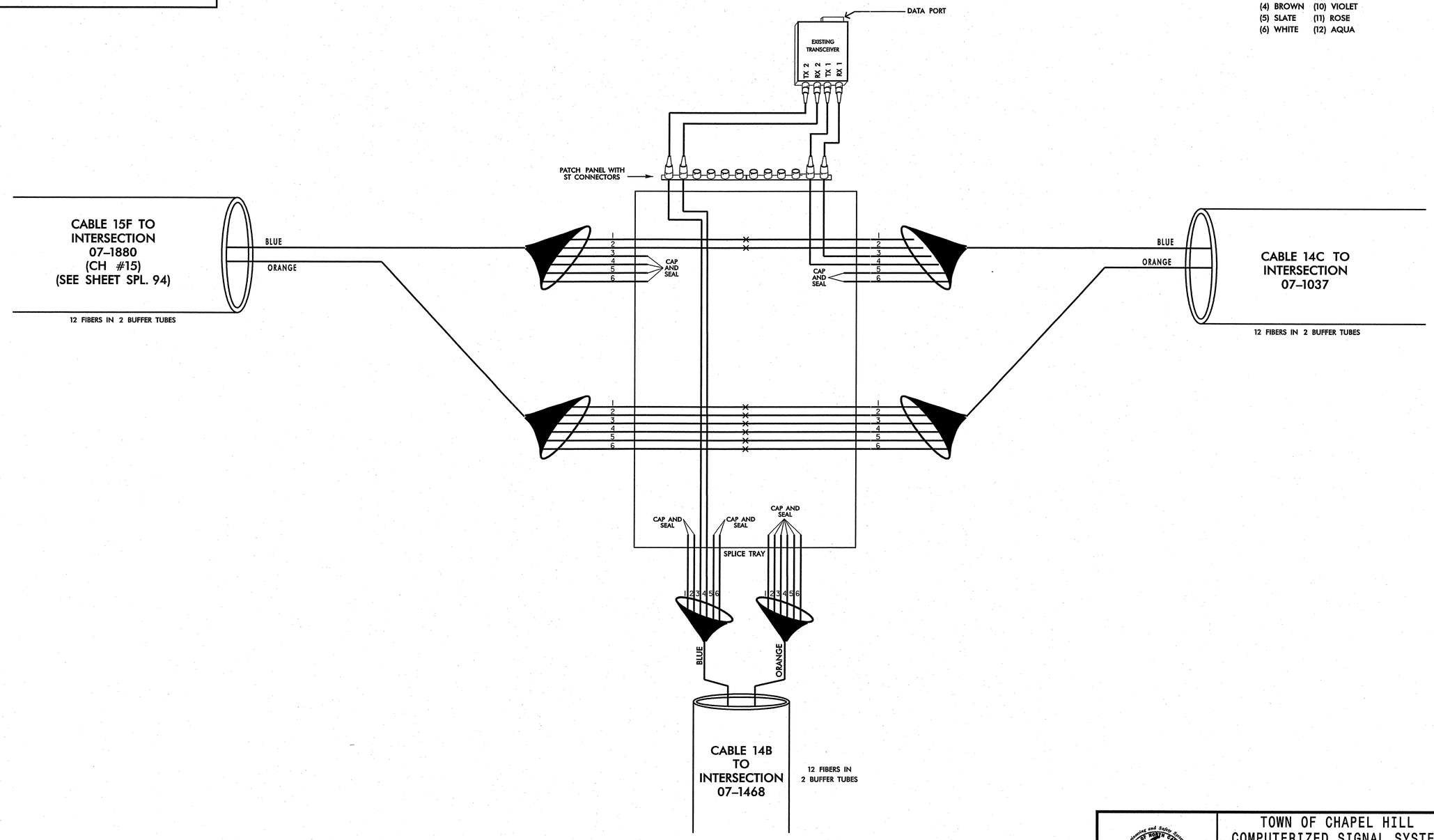
SIG. INV. 07–1034

LEGEND

X = FUSION SPLICE

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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(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 14

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

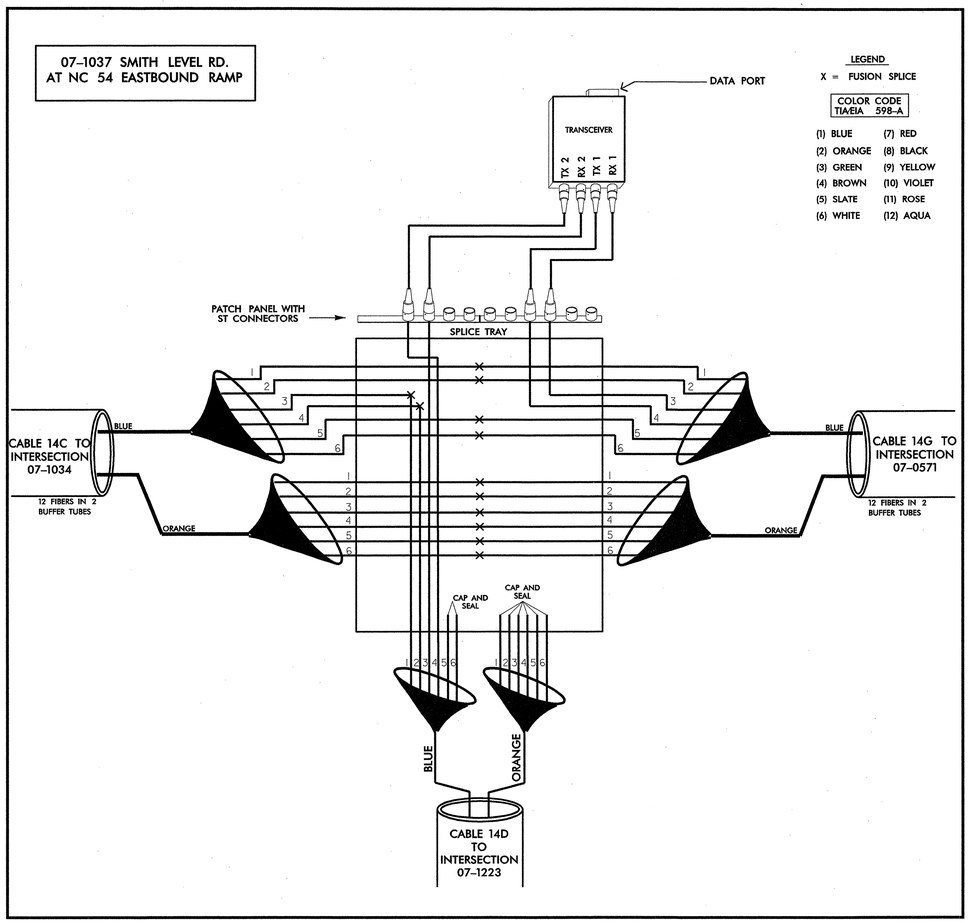
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12/1/08

$DATE$
$FILE$

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 90



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12/22/2008
f:\systems\projects\011036150 (chapel hill)\splicing\spl_14_03.dgn

PLANS PREPARED IN THE OFFICE OF:

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 14

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

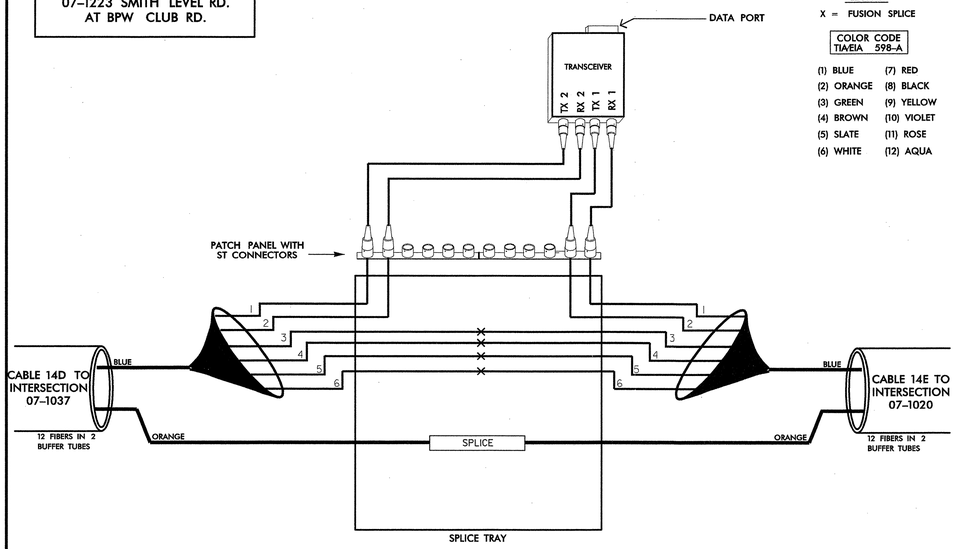
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 91

07-1223 SMITH LEVEL RD. AT BPW CLUB RD.



LEGEND

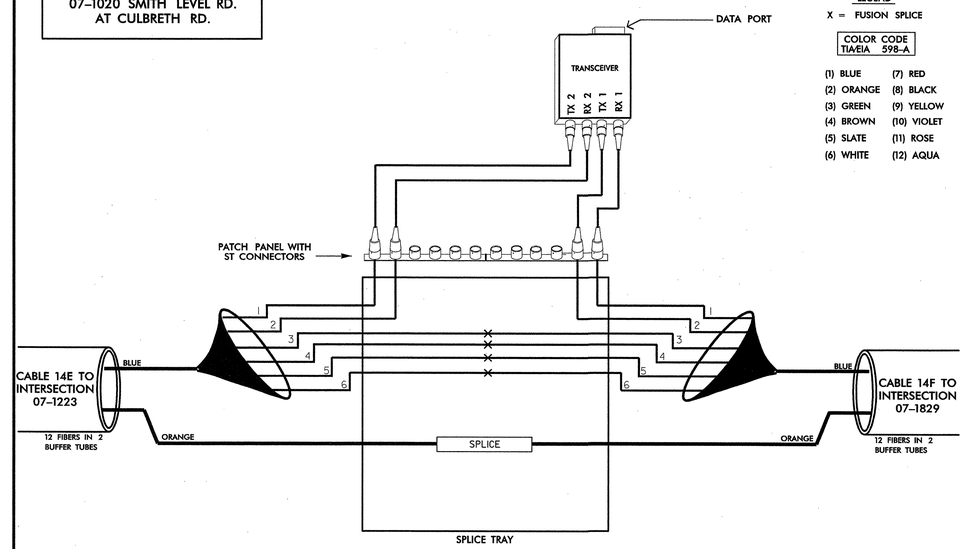
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 14D TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 14E.

07-1020 SMITH LEVEL RD. AT CULBRETH RD.



LEGEND

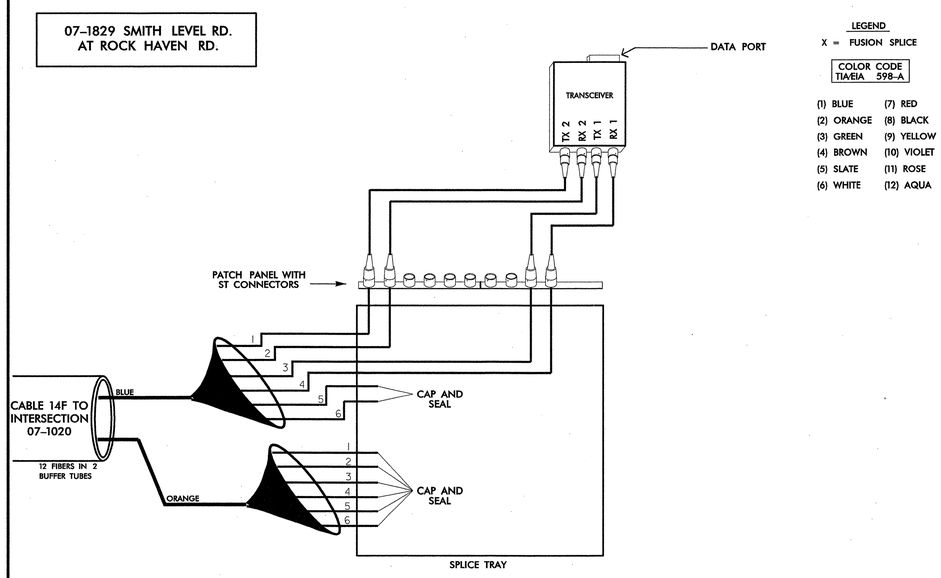
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 14E TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 14F.

07-1829 SMITH LEVEL RD. AT ROCK HAVEN RD.



LEGEND

X = FUSION SPLICE

COLOR CODE TIA/EIA 598-A

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

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12/22/2008
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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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 14

DIVISION 7 — ORANGE COUNTY

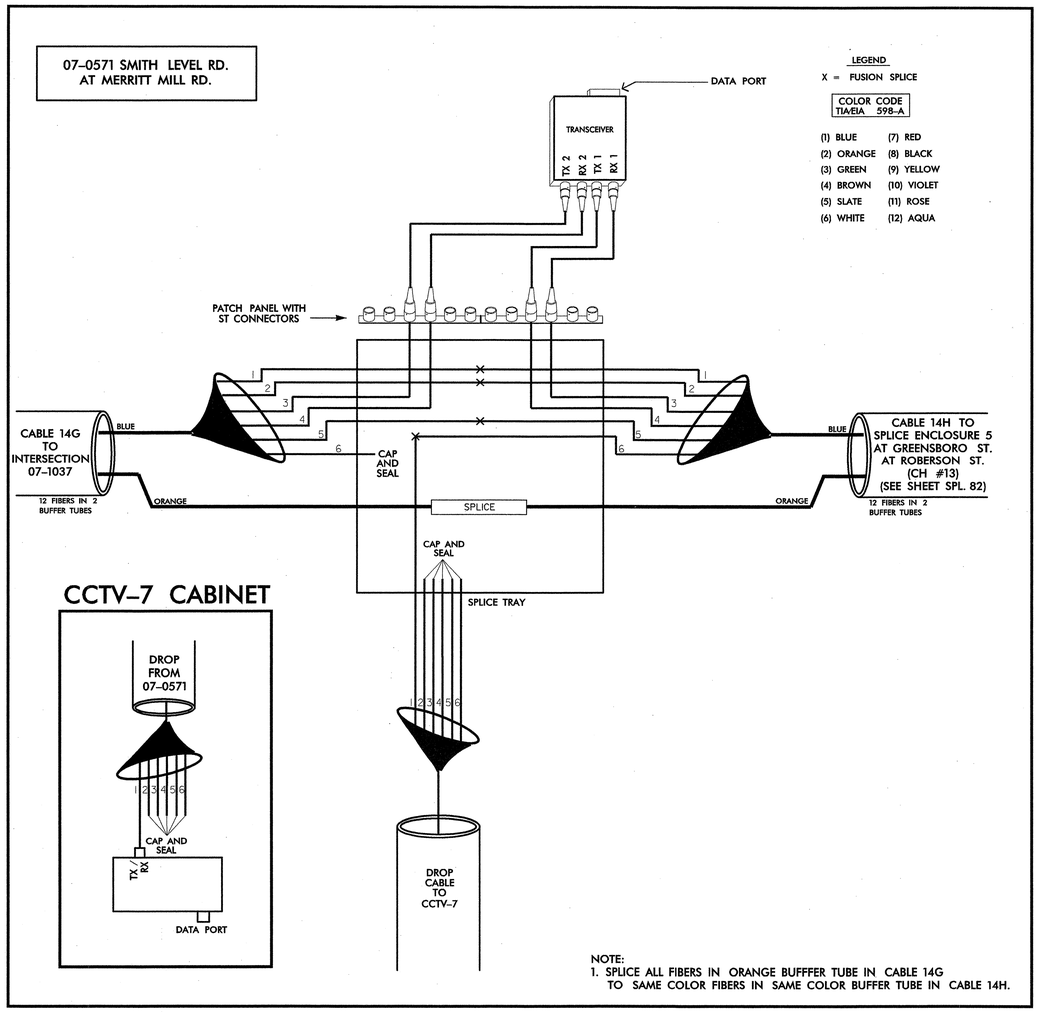
PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 92



NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFFER TUBE IN CABLE 14G TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 14H.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 14

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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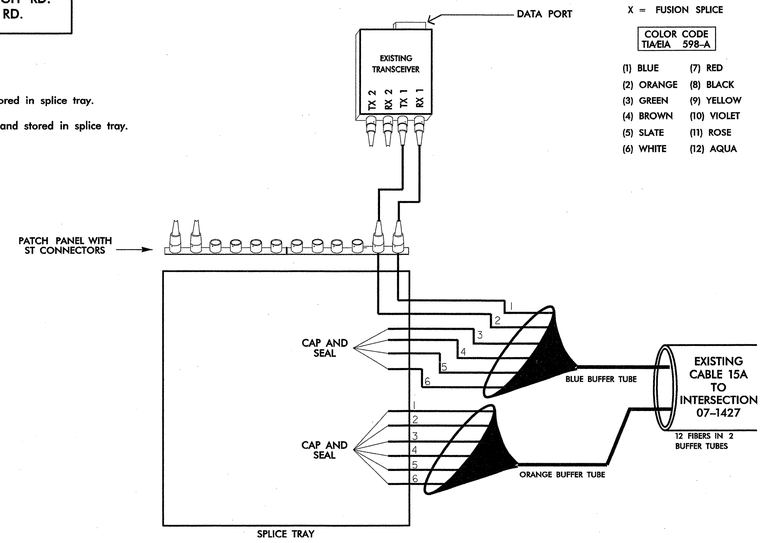
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 93

07-1013 HILLSBOROUGH RD.
AT HOMESTEAD RD.

Notes:

Unused fibers left coiled and stored in splice tray.

Unused Buffer Tubes left coiled and stored in splice tray.



LEGEND

X = FUSION SPLICE

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

NOTE:
VERIFY EXISTING FIBER CONNECTION CONFIGURATION.
RESPLICE AS SHOWN IF NECESSARY.

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

12/22/2008
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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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 15

DIVISION 7 ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

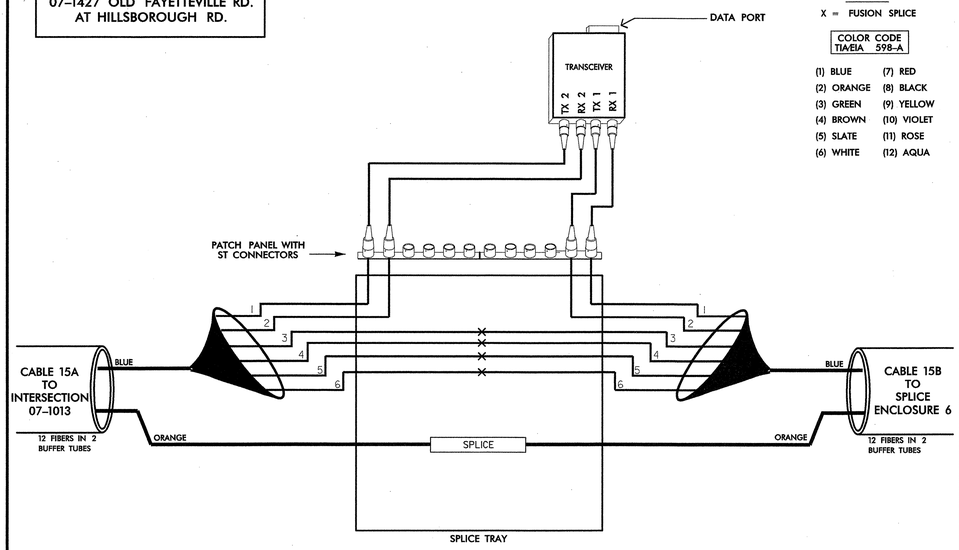
REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 94

07-1427 OLD FAYETTEVILLE RD. AT HILLSBOROUGH RD.



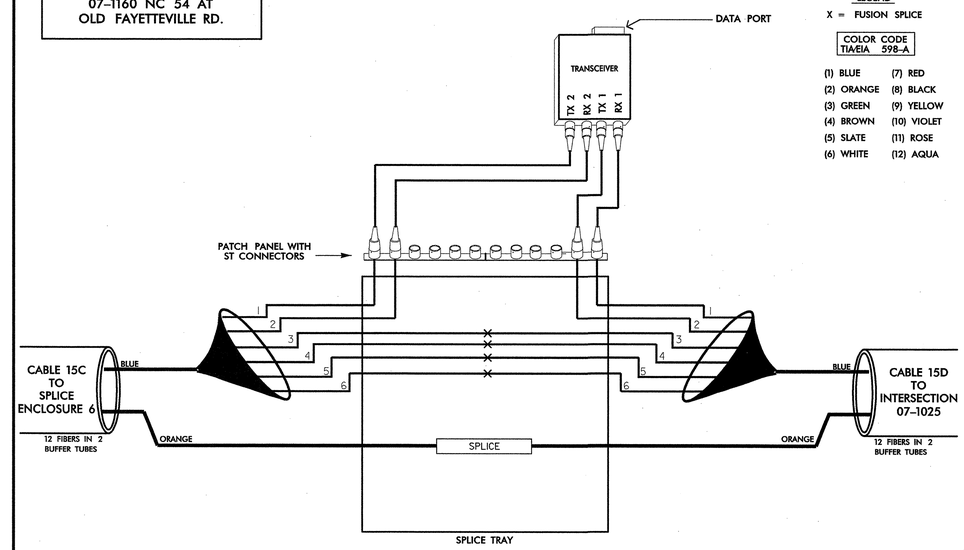
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 15A TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 15B.

07-1160 NC 54 AT OLD FAYETTEVILLE RD.



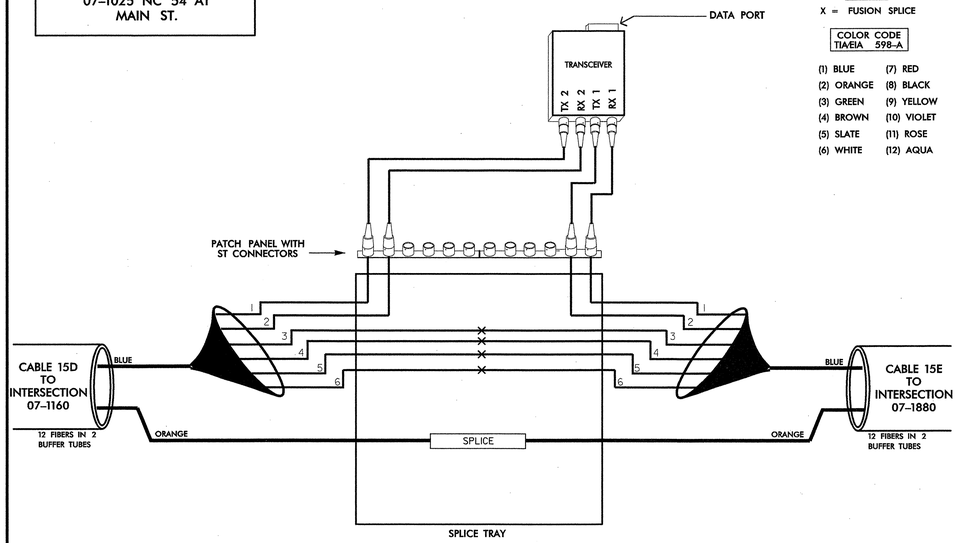
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 15C TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 15D.

07-1025 NC 54 AT MAIN ST.



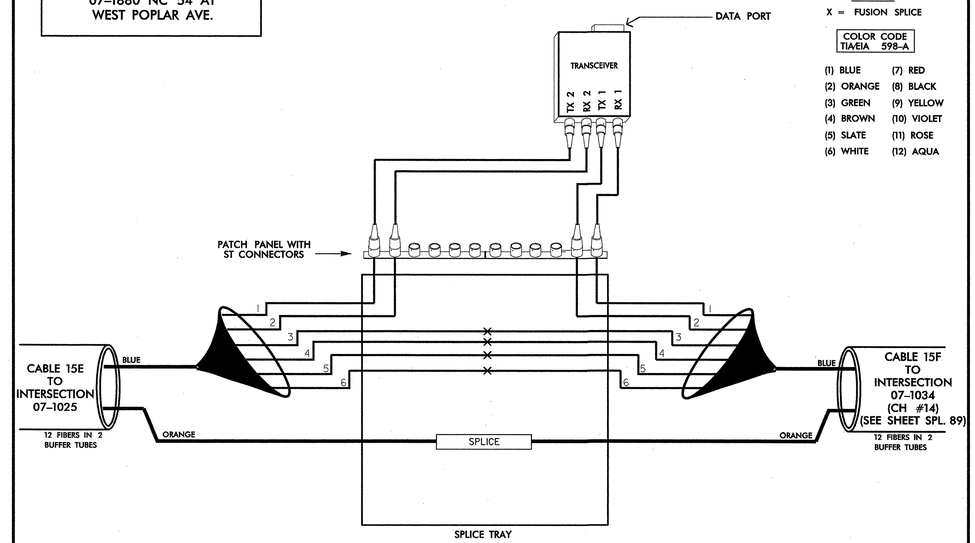
LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 15D TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 15E.

07-1880 NC 54 AT WEST POPLAR AVE.



LEGEND
X = FUSION SPLICE

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

NOTE:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE 15E TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE 15F.

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
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 15

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 95

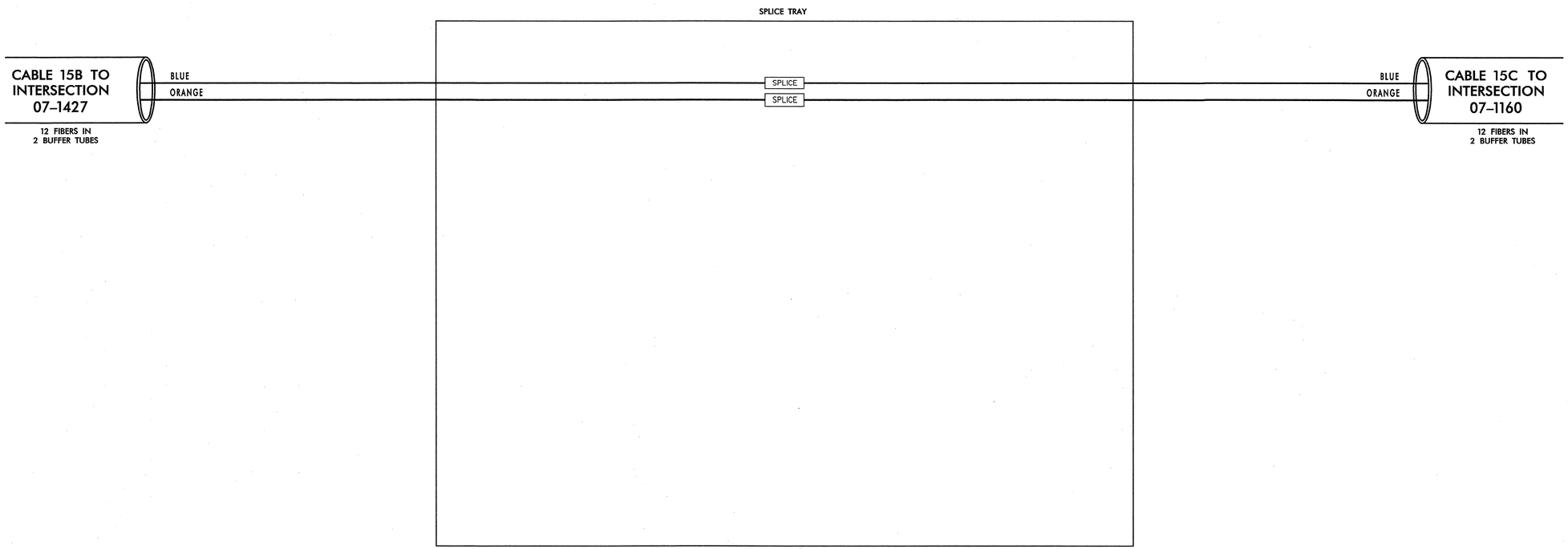
SPLICE ENCLOSURE 6 ON OLD FAYETTEVILLE RD. BETWEEN 07-1427 AND 07-1160

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN BLUE AND ORANGE BUFFER TUBES IN CABLE 15B TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE 15C.

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

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
SPLICE DIAGRAM
CHANNEL 15

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	DECEMBER 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 96

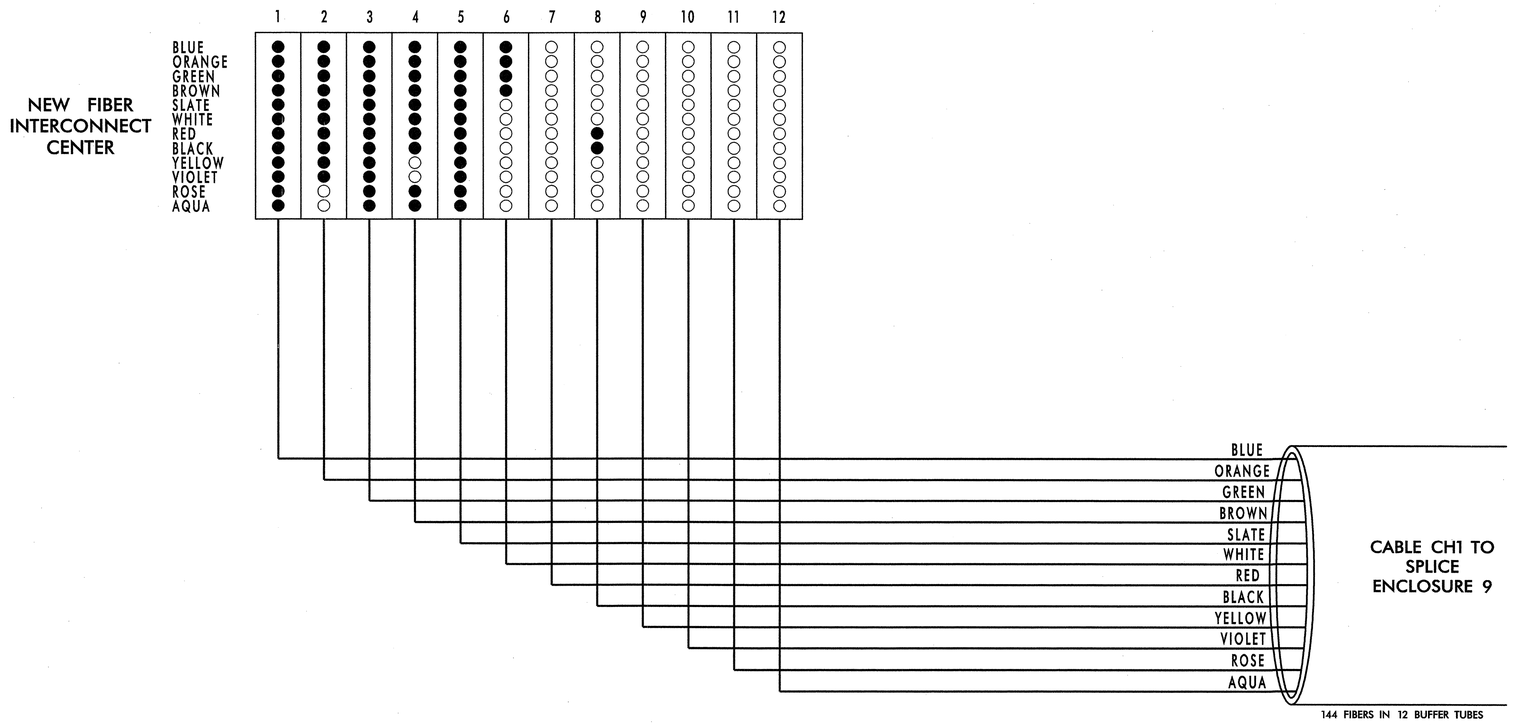
FACILITY 18 TRAFFIC OPERATIONS CENTER

LEGEND

X = FUSION SPLICE

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



PLANS PREPARED IN THE OFFICE OF:

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-25-08 DATE

12/22/2008
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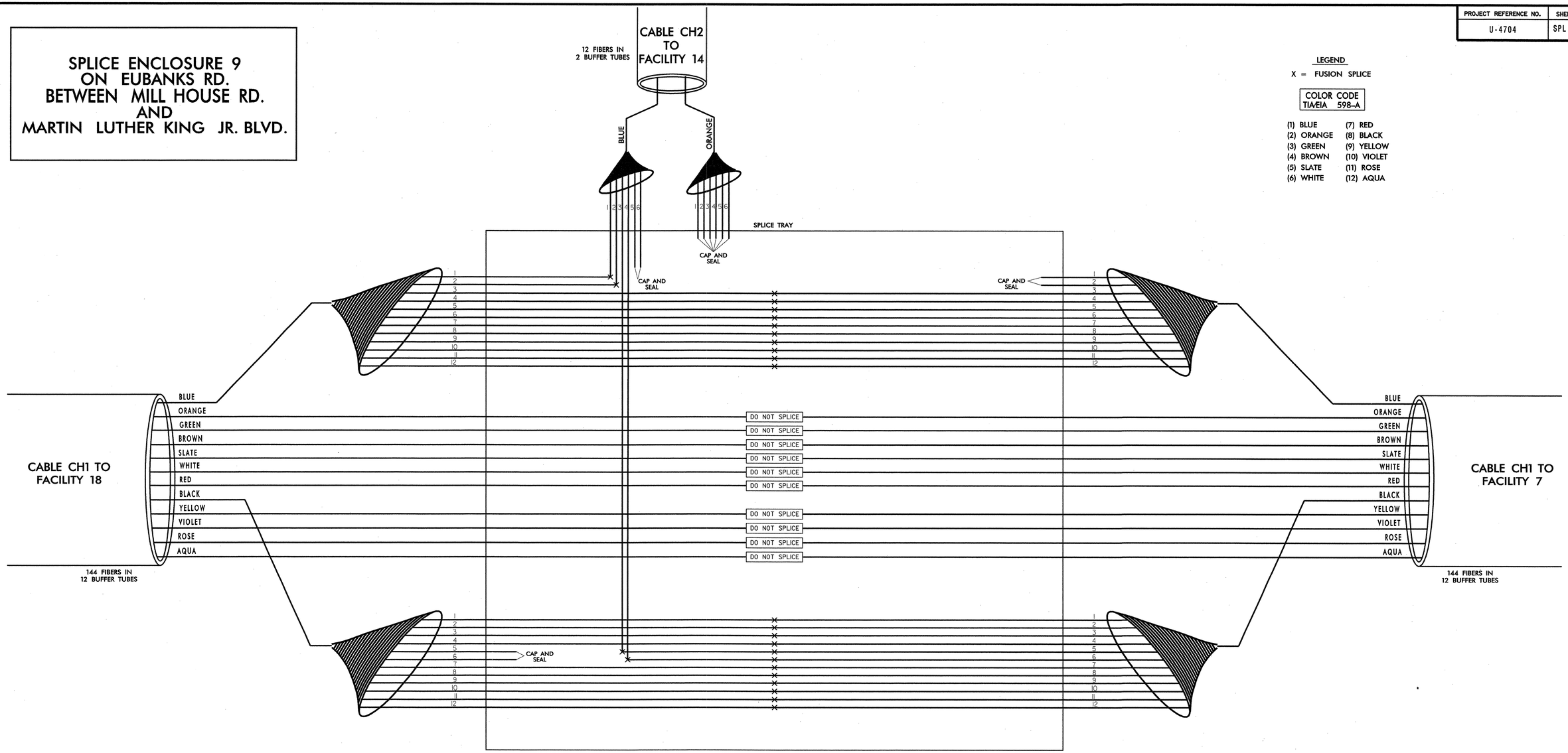
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 97

SPLICE ENCLOSURE 9 ON EUBANKS RD. BETWEEN MILL HOUSE RD. AND MARTIN LUTHER KING JR. BLVD.



LEGEND

X = FUSION SPLICE

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

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE: NONE

TOWN OF CHAPEL HILL COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 98

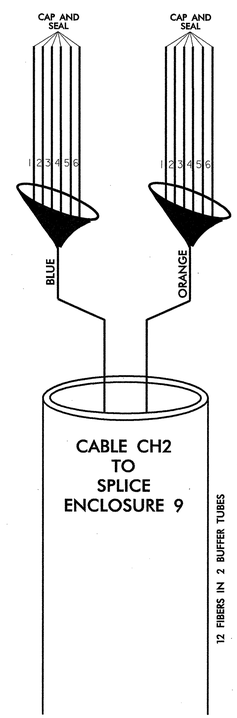
FACILITY 14
EUBANKS PARK AND RIDE LOT

LEGEND

X = FUSION SPLICE

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



NOTES:
1. BLUE, ORANGE, GREEN, AND BROWN FIBERS IN BLUE BUFFER TUBE RESERVED FOR FACILITY 14.

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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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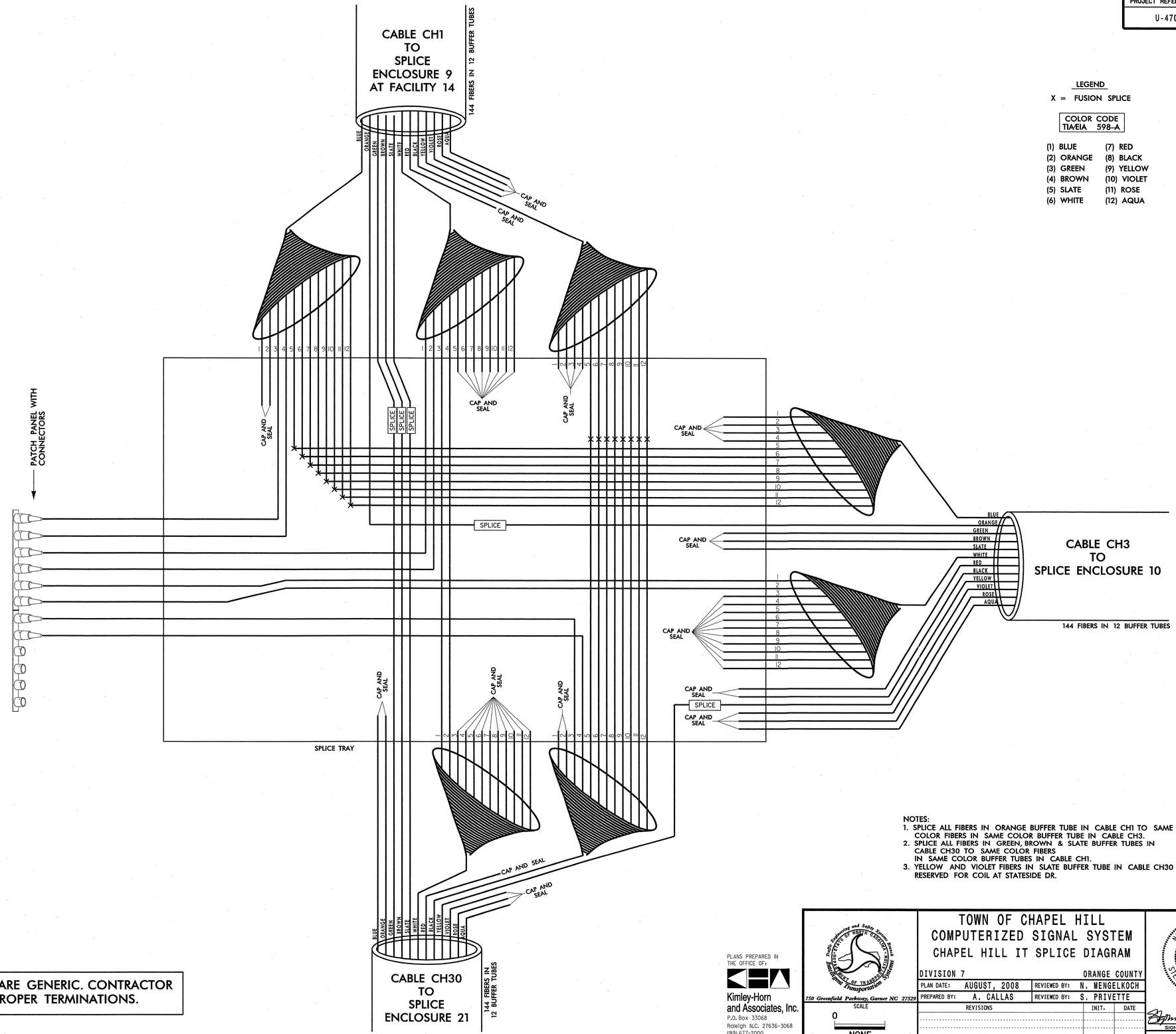
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 99

FACILITY 7
FIRE STATION 4



LEGEND

X = FUSION SPLICE

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

NOTES:
1. SPLICE ALL FIBERS IN ORANGE BUFFER TUBE IN CABLE CH1 TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBE IN CABLE CH3.
2. SPLICE ALL FIBERS IN GREEN, BROWN & SLATE BUFFER TUBES IN CABLE CH30 TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBES IN CABLE CH1.
3. YELLOW AND VIOLET FIBERS IN SLATE BUFFER TUBE IN CABLE CH30 RESERVED FOR COIL AT STATESIDE DR.

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 100

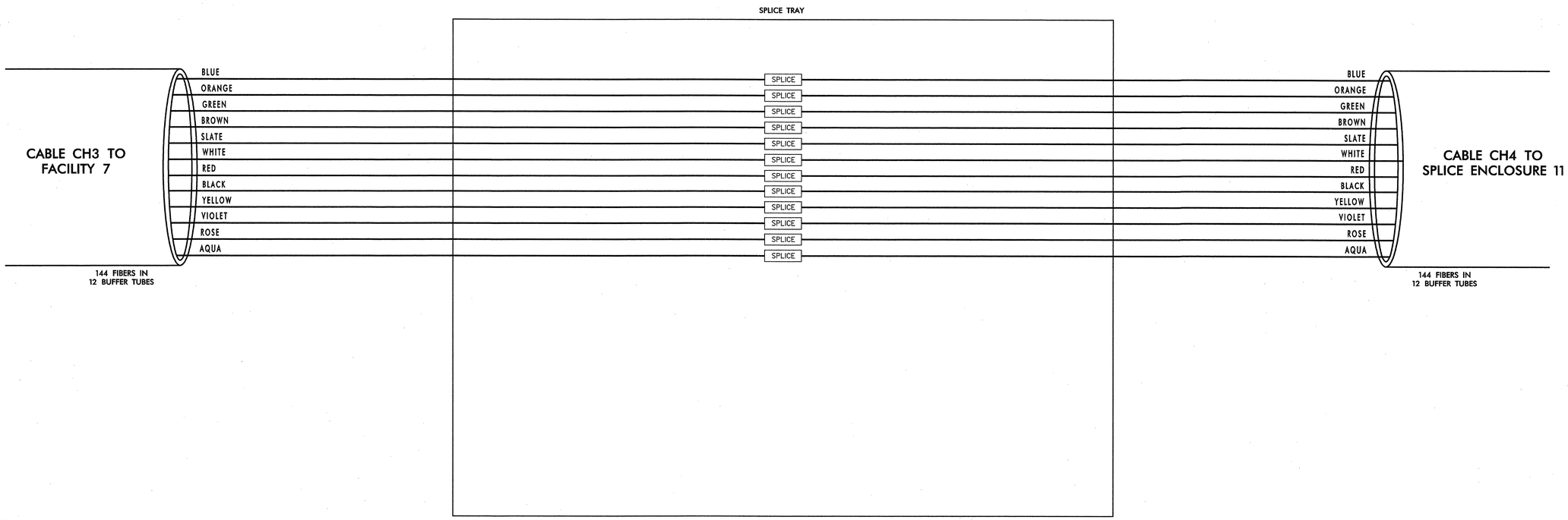
SPLICE ENCLOSURE 10 AT WEAVER DAIRY RD. AT SUNRISE RD.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN CABLE CH3 BUFFER TUBES TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH4.

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

12/22/2008
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PLANS PREPARED IN THE OFFICE OF:
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Raleigh N.C. 27636-3068
(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 101

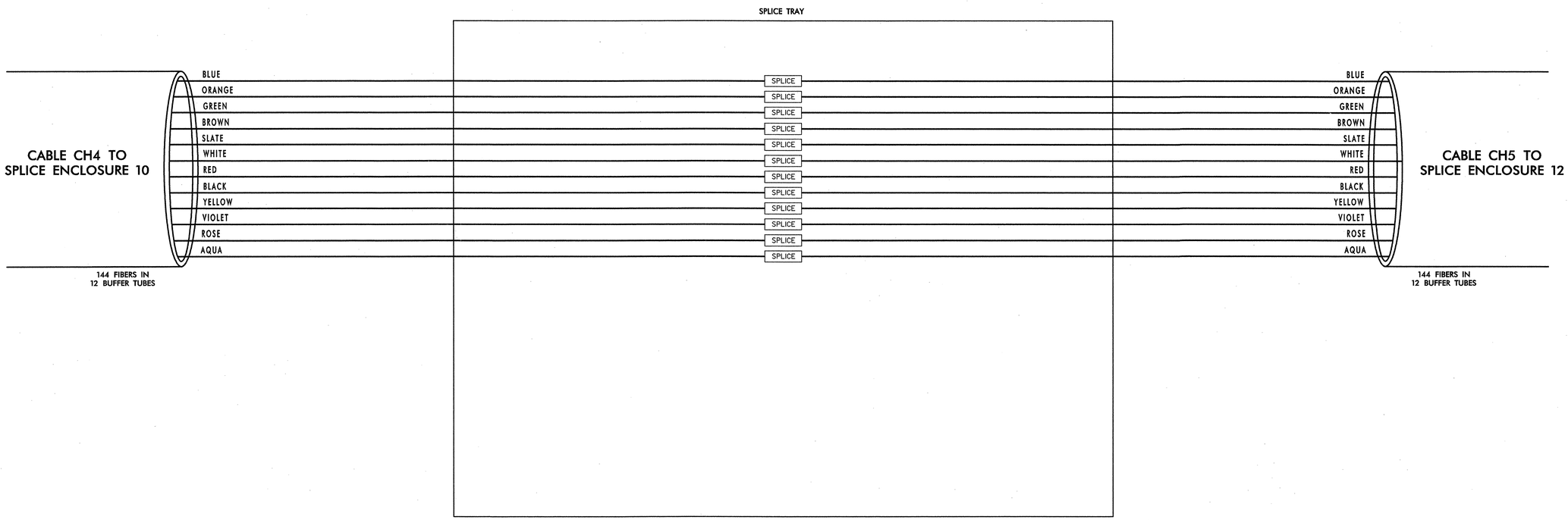
SPLICE ENCLOSURE 11 AT FORDHAM BLVD. AT SAGE RD.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN CABLE CH4 BUFFER TUBES TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH5.

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

Traffic Engineering and Safety Systems Branch
Intelligent Transportation Systems
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 102

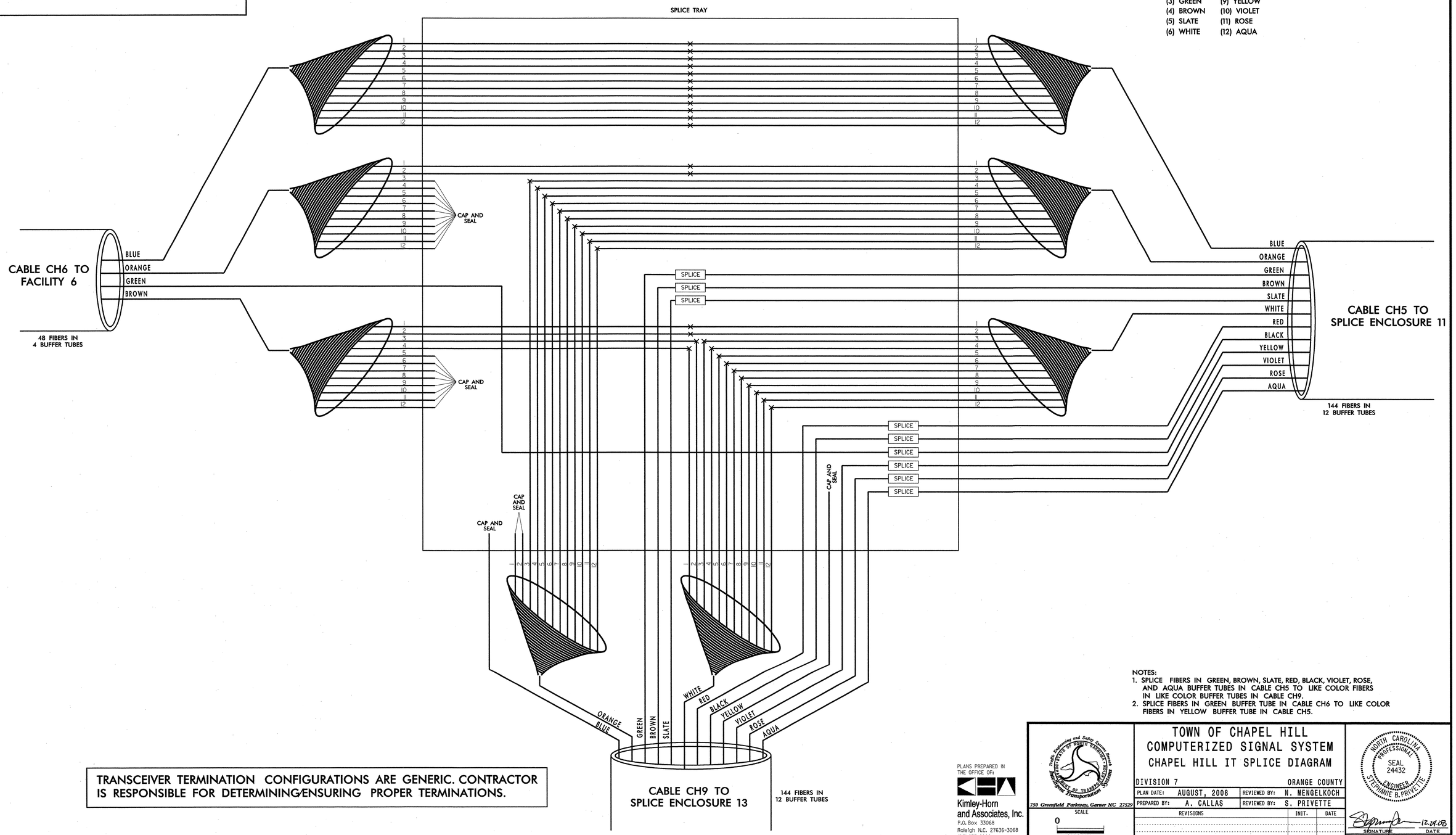
SPLICE ENCLOSURE 12 AT FORDHAM BLVD. AT EPHESUS CHURCH RD.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN GREEN, BROWN, SLATE, RED, BLACK, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE CH5 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH9.
2. SPLICE FIBERS IN GREEN BUFFER TUBE IN CABLE CH6 TO LIKE COLOR FIBERS IN YELLOW BUFFER TUBE IN CABLE CH5.

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

PLANS PREPARED IN THE OFFICE OF:

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.19.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 103

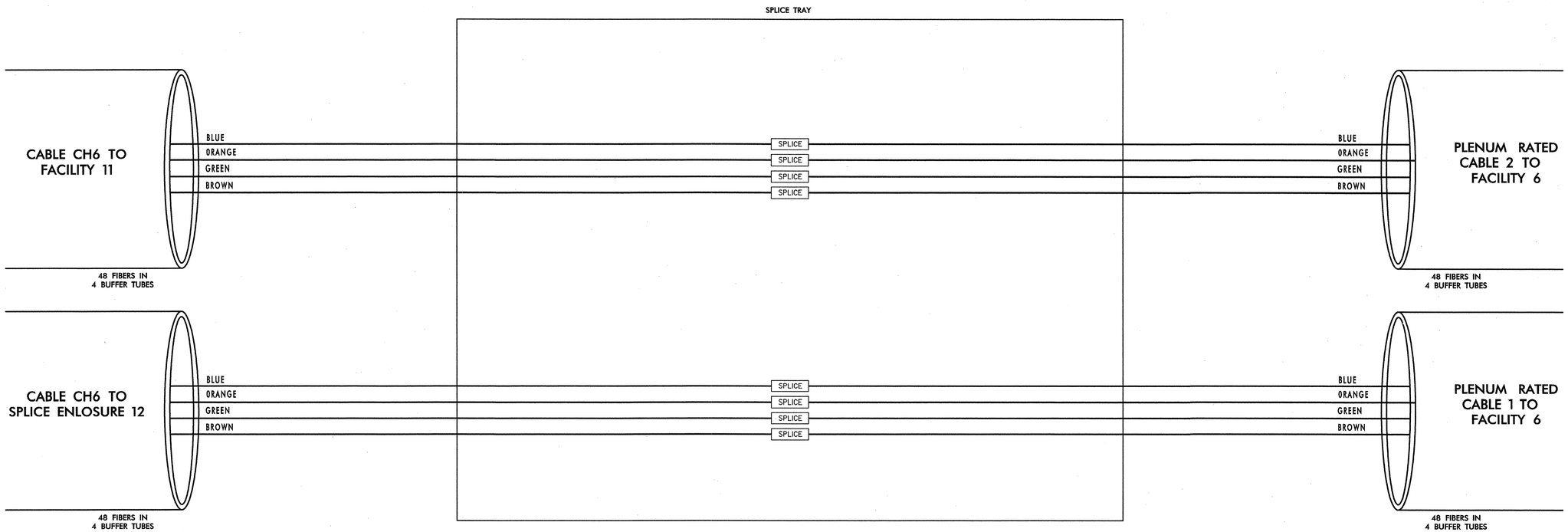
SPLICE ENCLOSURE AT FACILITY 6 – FIRE STATION 3

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN BLUE, ORANGE, GREEN, BROWN BUFFER TUBES IN CABLE CH6 TO PLENUM 2.
2. SPLICE FIBERS IN BLUE, ORANGE, GREEN, BROWN BUFFER TUBES IN CABLE CH6 TO PLENUM 1.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 104

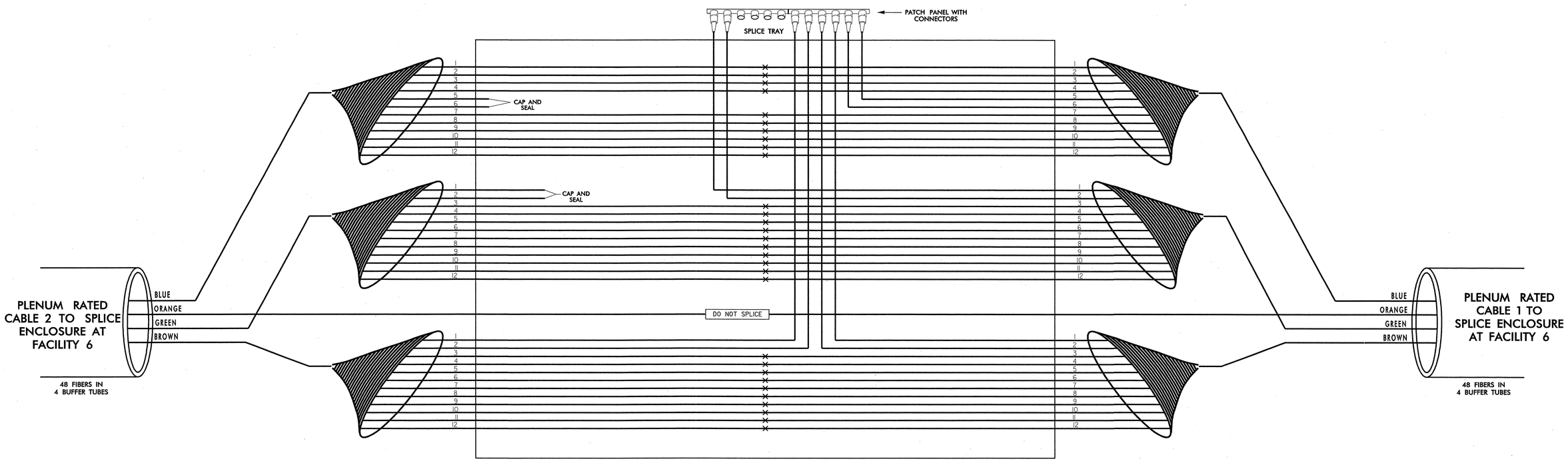
FACILITY 6
FIRE STATION 3

LEGEND

X = FUSION SPLICE

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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PLANS PREPARED IN THE OFFICE OF:

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 105

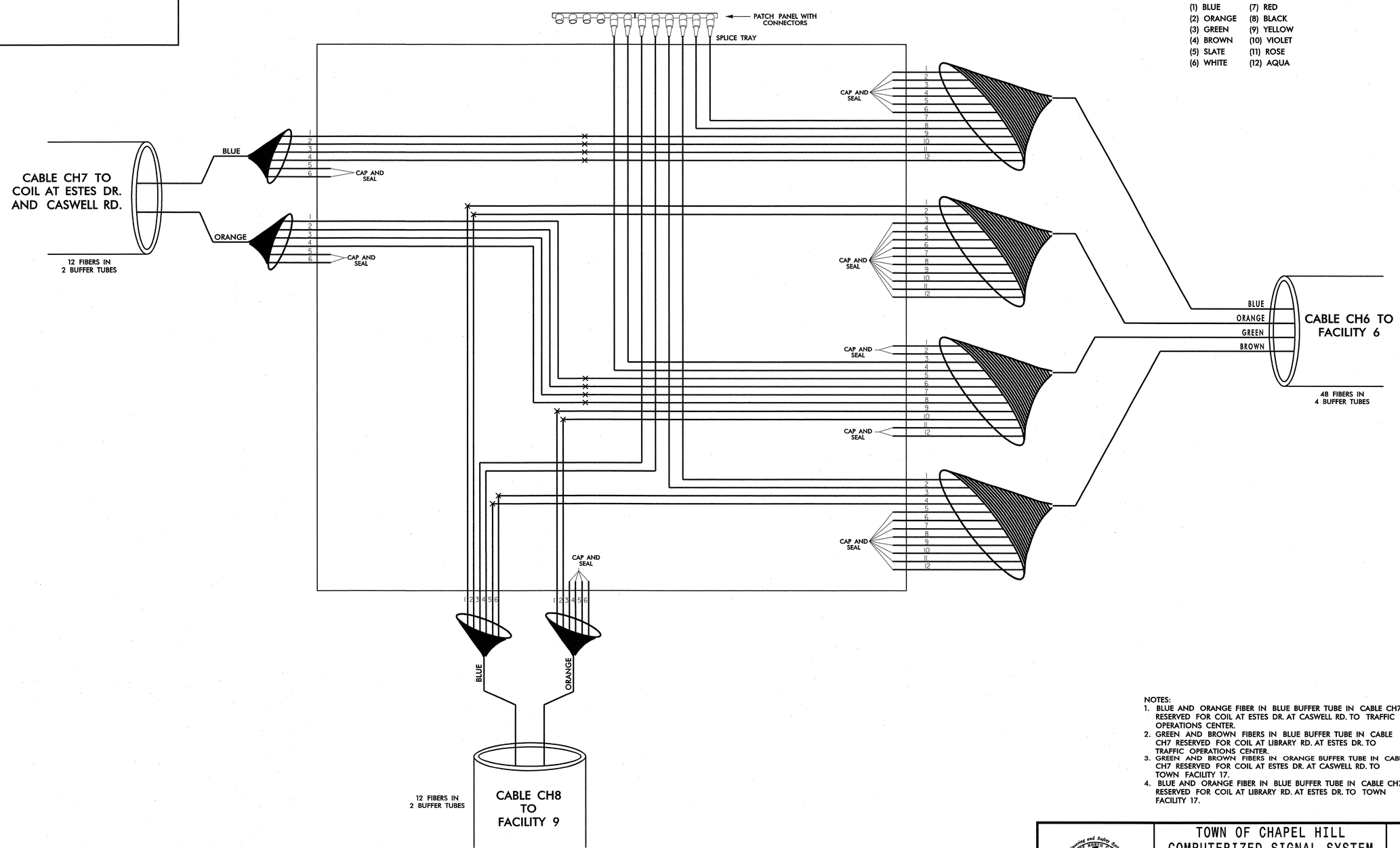
FACILITY 11
CHAPEL HILL PUBLIC LIBRARY

LEGEND

X = FUSION SPLICE

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



NOTES:
1. BLUE AND ORANGE FIBER IN BLUE BUFFER TUBE IN CABLE CH7 RESERVED FOR COIL AT ESTES DR. AT CASWELL RD. TO TRAFFIC OPERATIONS CENTER.
2. GREEN AND BROWN FIBERS IN BLUE BUFFER TUBE IN CABLE CH7 RESERVED FOR COIL AT LIBRARY RD. AT ESTES DR. TO TRAFFIC OPERATIONS CENTER.
3. GREEN AND BROWN FIBERS IN ORANGE BUFFER TUBE IN CABLE CH7 RESERVED FOR COIL AT ESTES DR. AT CASWELL RD. TO TOWN FACILITY 17.
4. BLUE AND ORANGE FIBER IN BLUE BUFFER TUBE IN CABLE CH7 RESERVED FOR COIL AT LIBRARY RD. AT ESTES DR. TO TOWN FACILITY 17.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 106

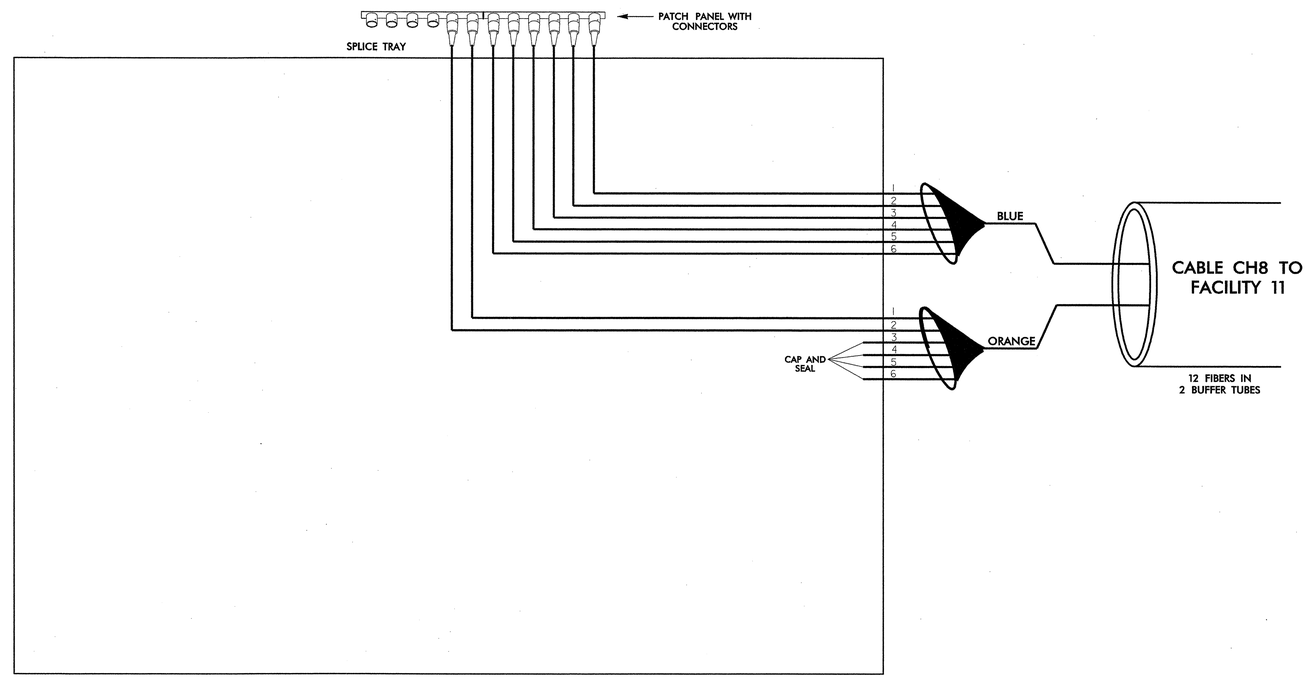
FACILITY 9
COMMUNITY CENTER

LEGEND

X = FUSION SPLICE

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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Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 107

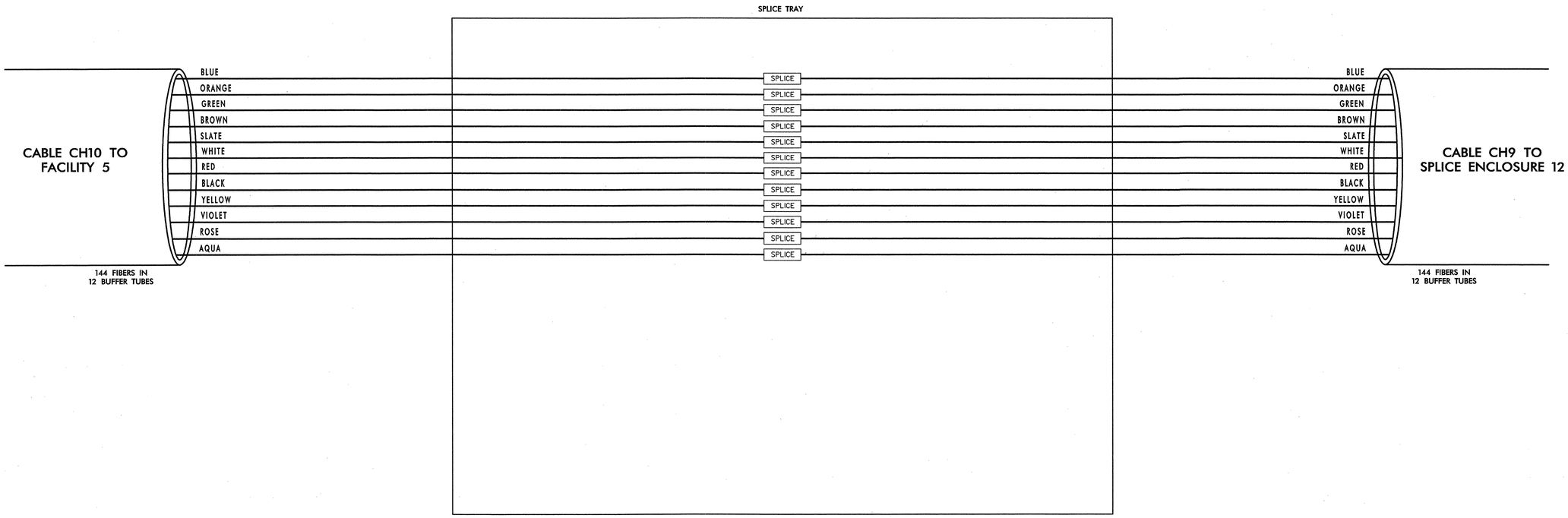
SPLICE ENCLOSURE 13
AT ESTES DR.
AT FORDHAM BLVD.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN CABLE CH9 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH10.

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

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(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 108

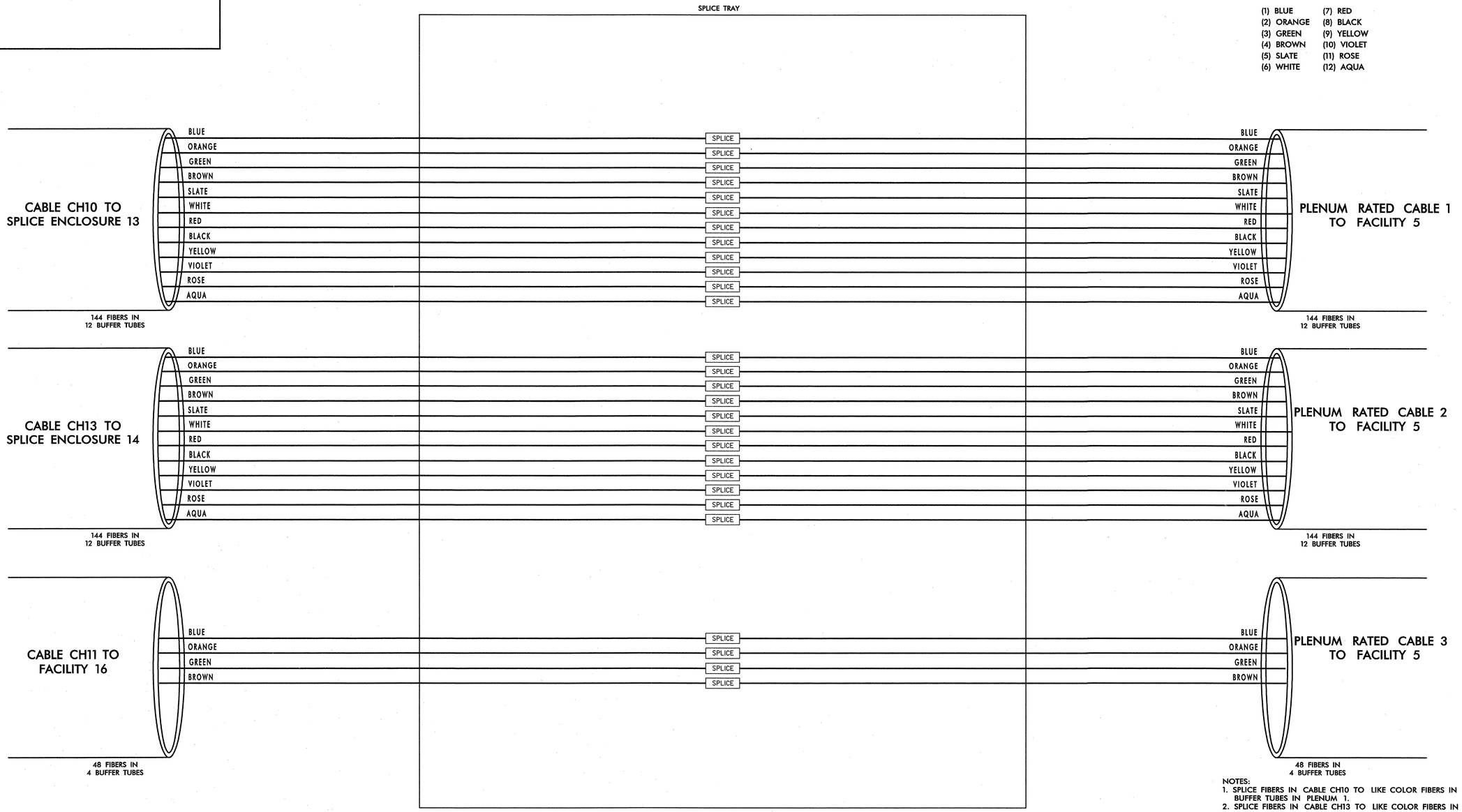
SPLICE ENCLOSURE AT FACILITY 5

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN CABLE CH10 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN PLENUM 1.
2. SPLICE FIBERS IN CABLE CH13 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN PLENUM 2.
3. SPLICE FIBERS IN BLUE, ORANGE, GREEN, BROWN BUFFER TUBES IN CABLE CH11 TO PLENUM 3.

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

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

Traffic Engineering and Safety Systems Branch
Department of Transportation
750 Greenfield Parkway, Garner NC 27529

SCALE: NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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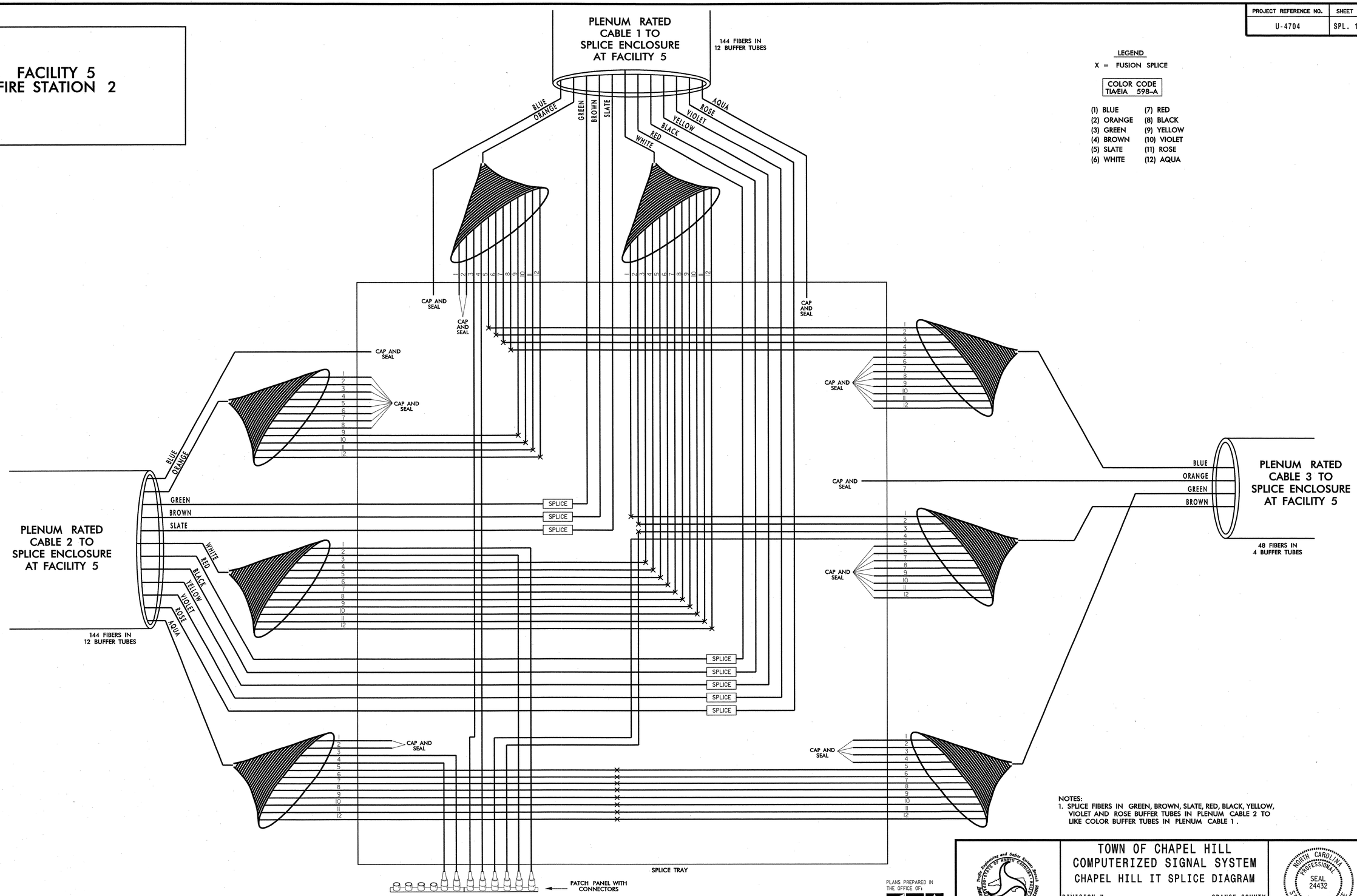
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 109

FACILITY 5
FIRE STATION 2



LEGEND

X = FUSION SPLICE

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

NOTES:
1. SPLICE FIBERS IN GREEN, BROWN, SLATE, RED, BLACK, YELLOW, VIOLET AND ROSE BUFFER TUBES IN PLENUM CABLE 2 TO LIKE COLOR BUFFER TUBES IN PLENUM CABLE 1.

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

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(919) 677-2000

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 110

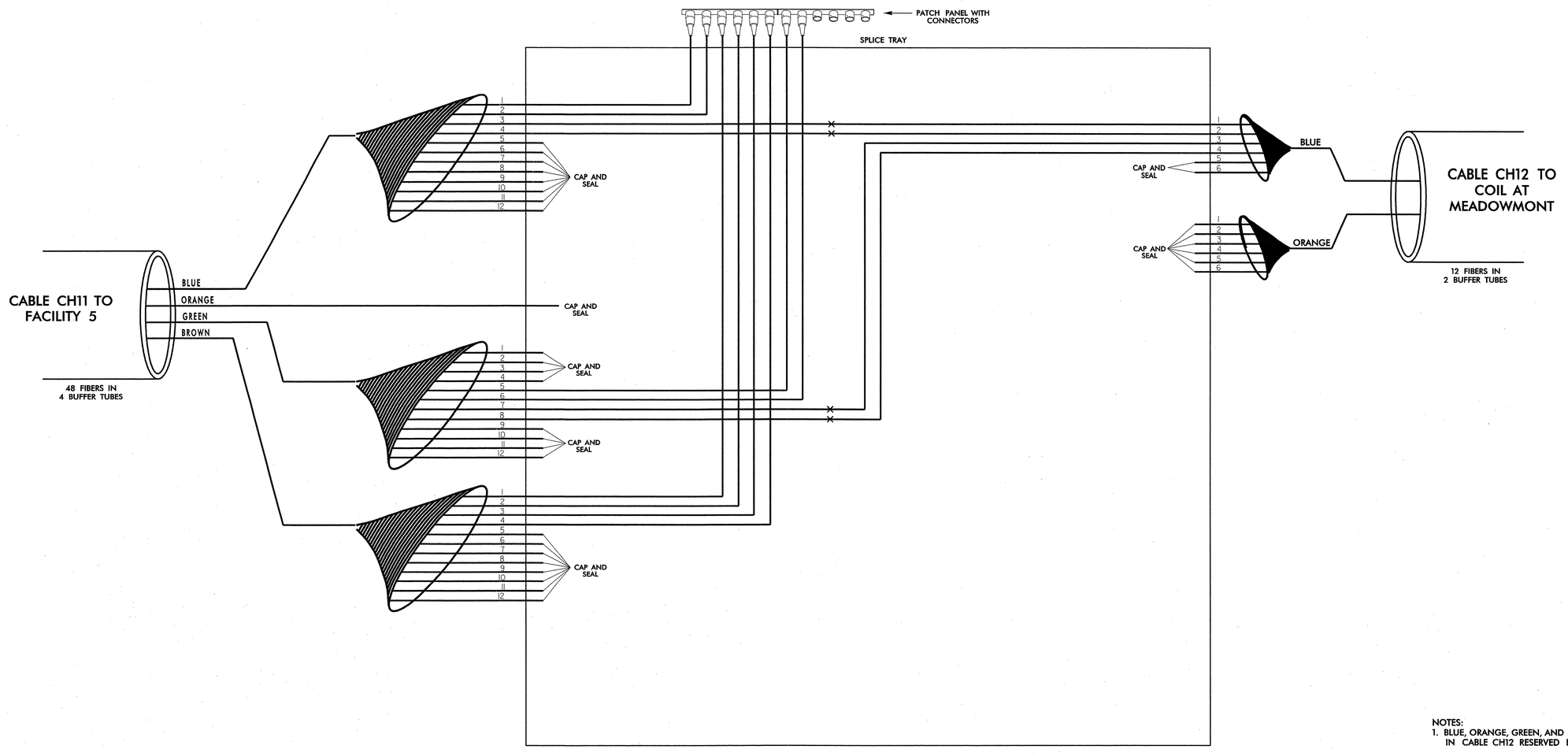
FACILITY 16
FRIDAY CENTER PARK AND RIDE LOT

LEGEND

X = FUSION SPLICE

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



NOTES:
1. BLUE, ORANGE, GREEN, AND BROWN FIBERS IN BLUE BUFFER TUBE IN CABLE CH12 RESERVED FOR COIL AT MEADOWMONT.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.29.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 111

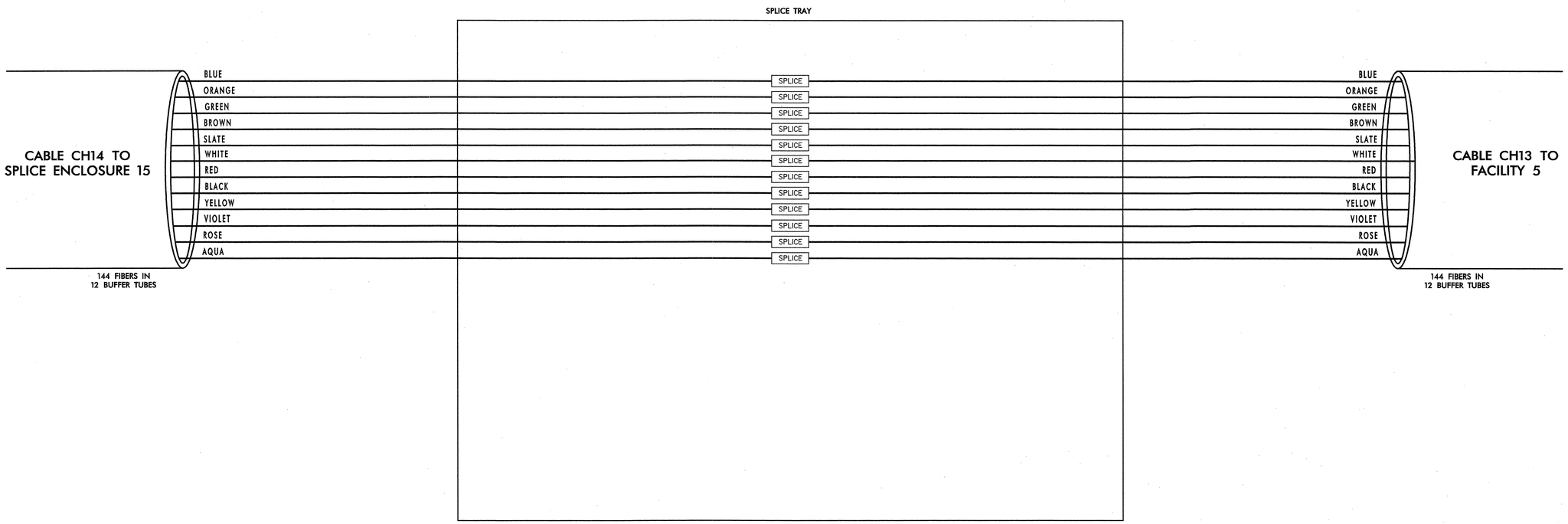
SPLICE ENCLOSURE 14
AT FORDHAM BLVD.
AT MANNING DR.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN CABLE CH13 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH14.
2. YELLOW AND VIOLET FIBERS IN ORANGE BUFFER TUBE AND BLUE AND ORANGE FIBERS IN AQUA BUFFER TUBE RESERVED FOR COIL AT UNC PUBLIC SAFETY.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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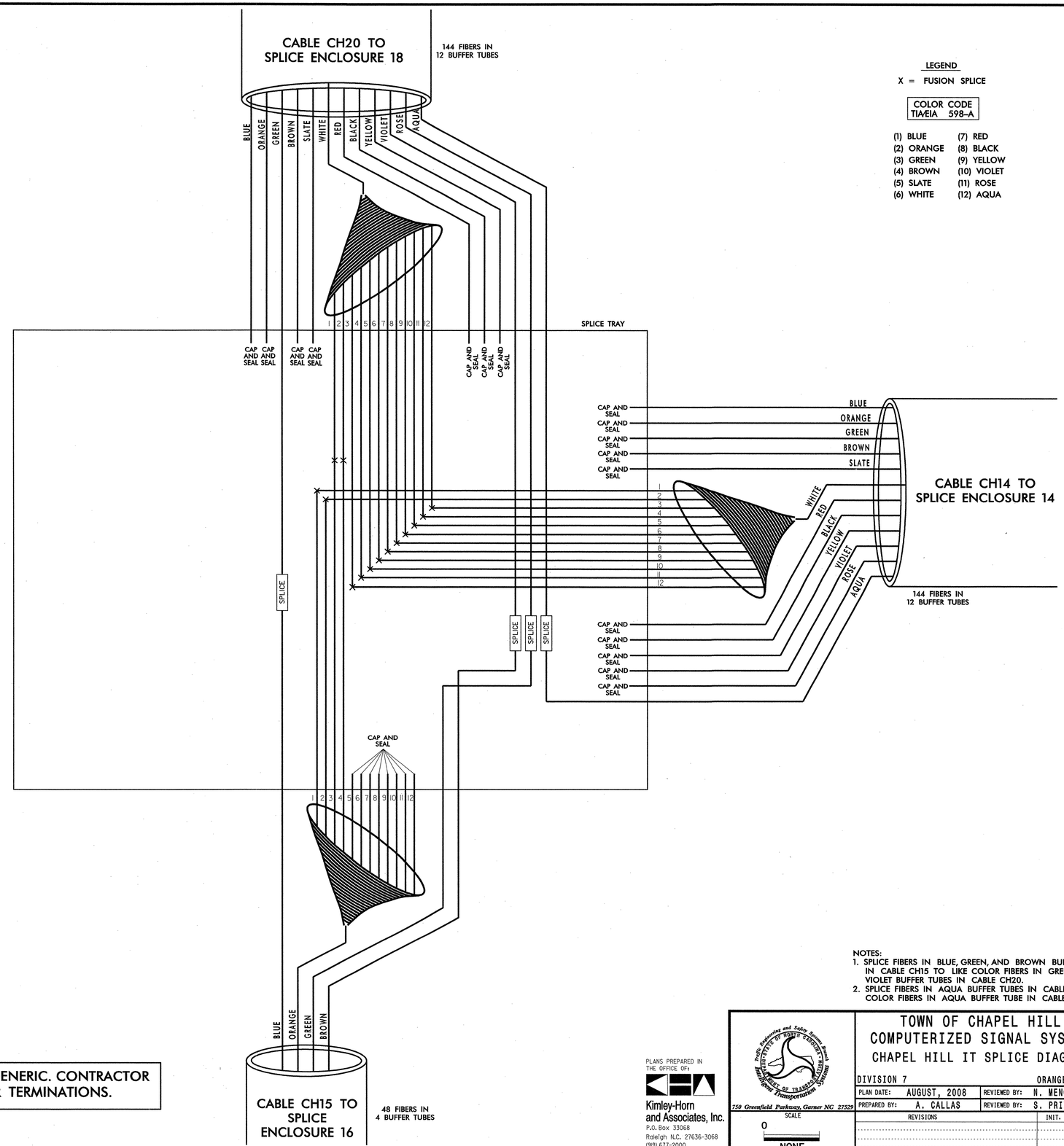
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 112

SPLICE ENCLOSURE 15
AT MANNING DR.
AT COLUMBIA ST.



LEGEND

X = FUSION SPLICE

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

NOTES:
1. SPLICE FIBERS IN BLUE, GREEN, AND BROWN BUFFER TUBES IN CABLE CH15 TO LIKE COLOR FIBERS IN GREEN, ROSE, AND VIOLET BUFFER TUBES IN CABLE CH20.
2. SPLICE FIBERS IN AQUA BUFFER TUBES IN CABLE CH4 TO LIKE COLOR FIBERS IN AQUA BUFFER TUBE IN CABLE CH20.

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

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

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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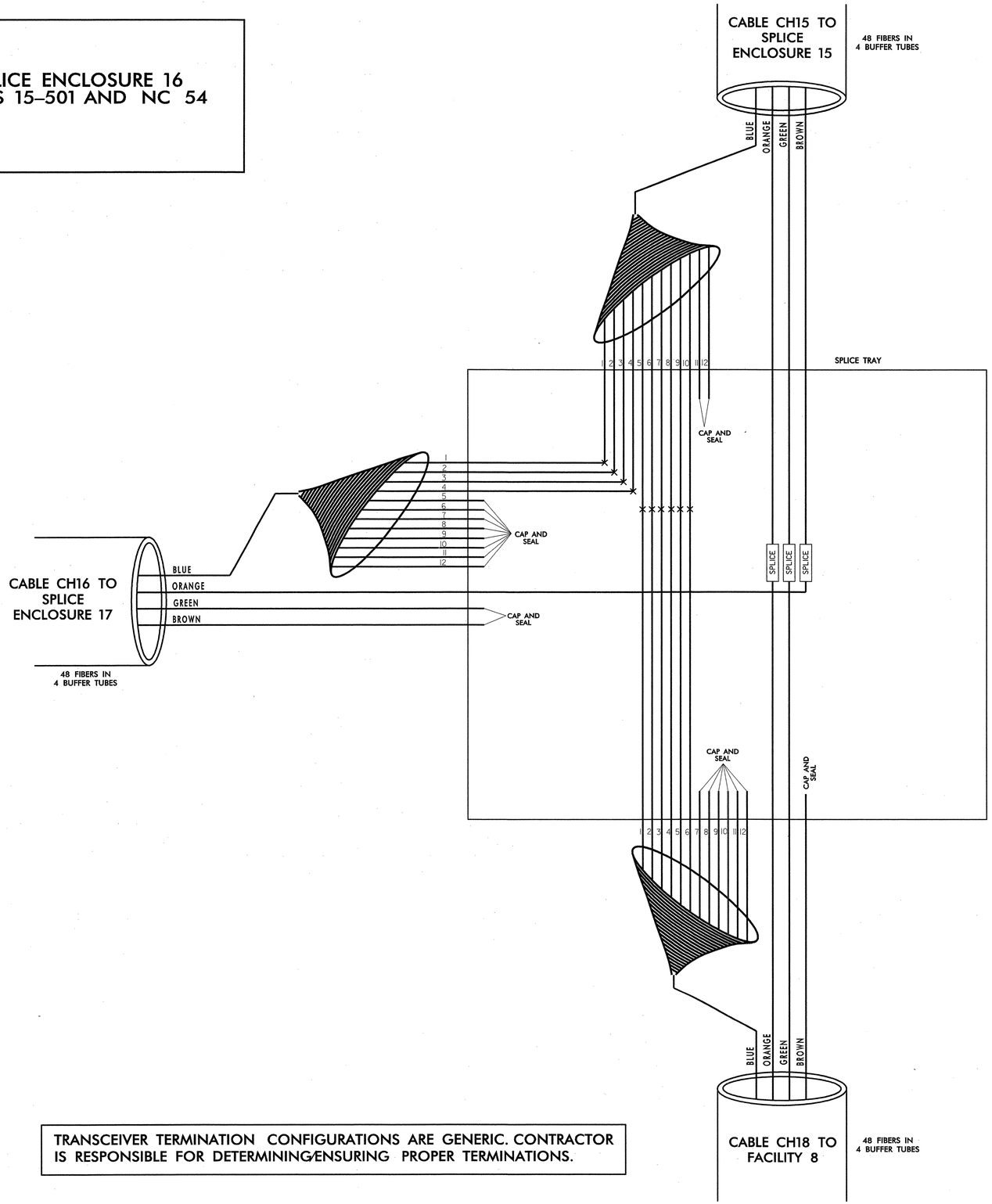
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 113

SPLICE ENCLOSURE 16 AT US 15-501 AND NC 54



LEGEND

X = FUSION SPLICE

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

NOTES:
1. SPLICE FIBERS IN ORANGE AND GREEN BUFFER TUBES IN CABLE CH18 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH15.
2. SPLICE FIBERS IN ORANGE BUFFER TUBE IN CABLE CH16 TO LIKE COLOR FIBERS IN BROWN BUFFER TUBE IN CABLE CH15.
3. SLATE AND WHITE FIBERS IN BLUE BUFFER TUBE AND BLUE AND ORANGE FIBERS IN GREEN BUFFER TUBE IN CABLE CH18 RESERVED FOR COIL AT MT. CARMEL CHURCH RD.

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

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Traffic Engineering and Safety Systems Branch · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

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REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 114

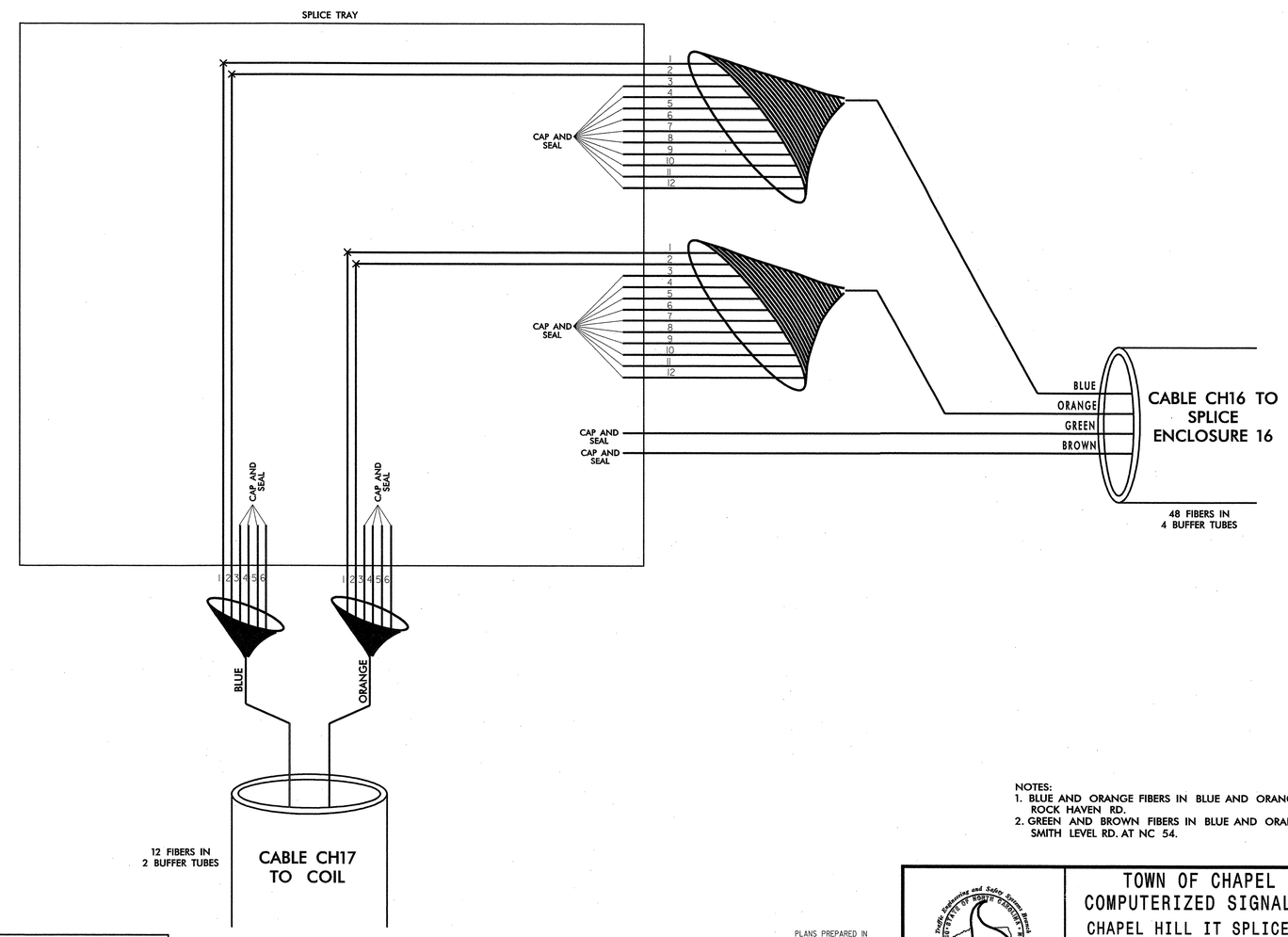
SPLICE ENCLOSURE 17
AT SMITH LEVEL RD
AT NC 54

LEGEND

X = FUSION SPLICE

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



NOTES:
1. BLUE AND ORANGE FIBERS IN BLUE AND ORANGE BUFFER TUBES RESERVED FOR COIL AT ROCK HAVEN RD.
2. GREEN AND BROWN FIBERS IN BLUE AND ORANGE BUFFER TUBES RESERVED FOR COIL AT SMITH LEVEL RD. AT NC 54.

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

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Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 115

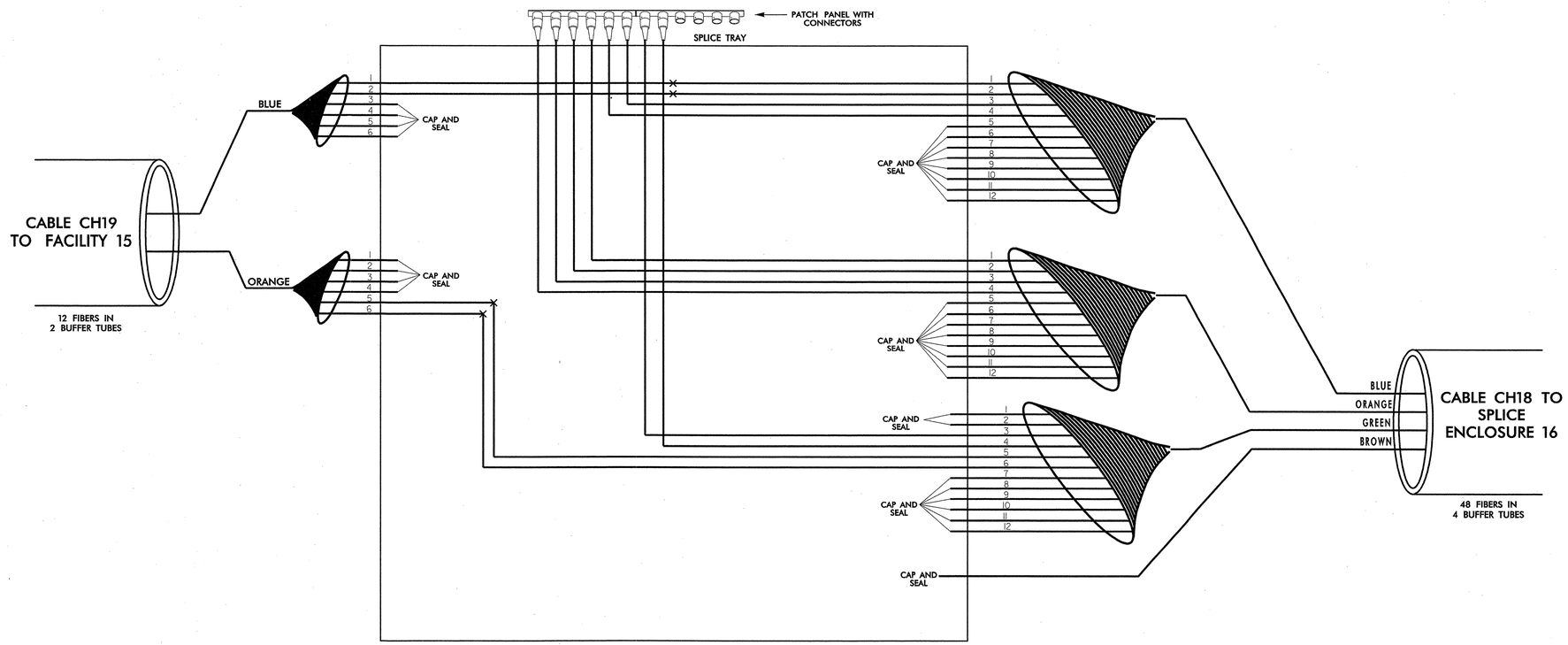
FACILITY 8
FIRE STATION 5

LEGEND

X = FUSION SPLICE

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



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
Traffic Engineering and Safety Systems Branch
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 116

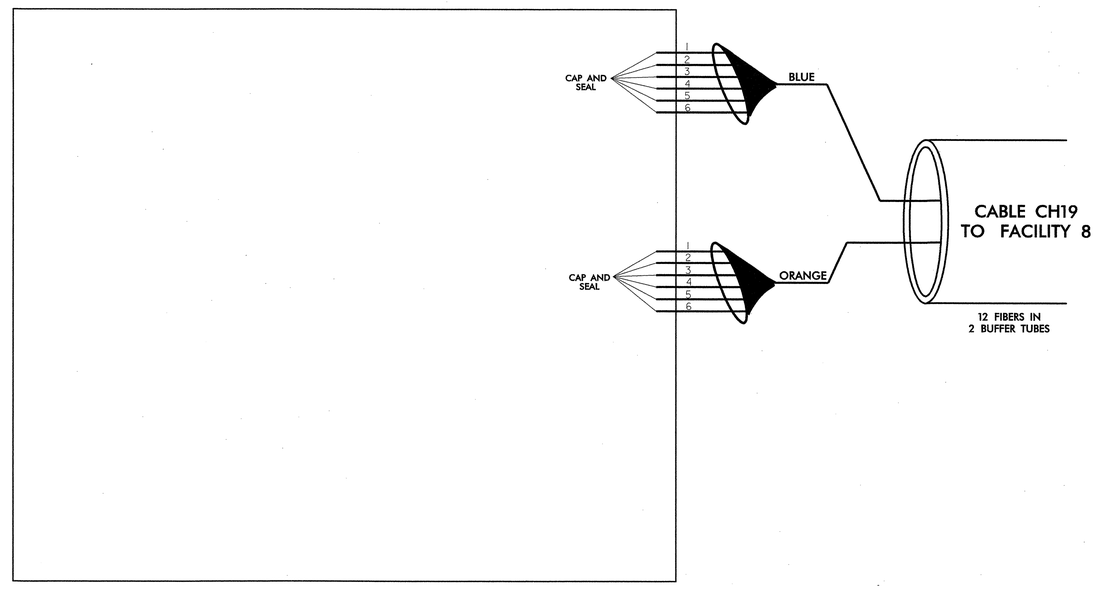
FACILITY 15
SOUTHERN VILLAGE
PARK AND RIDE LOT

LEGEND

X = FUSION SPLICE

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



NOTES:
1. BLUE AND ORANGE FIBERS IN BLUE BUFFER TUBE AND SLATE AND WHITE FIBERS IN ORANGE BUFFER TUBE RESERVED FOR FACILITY 15.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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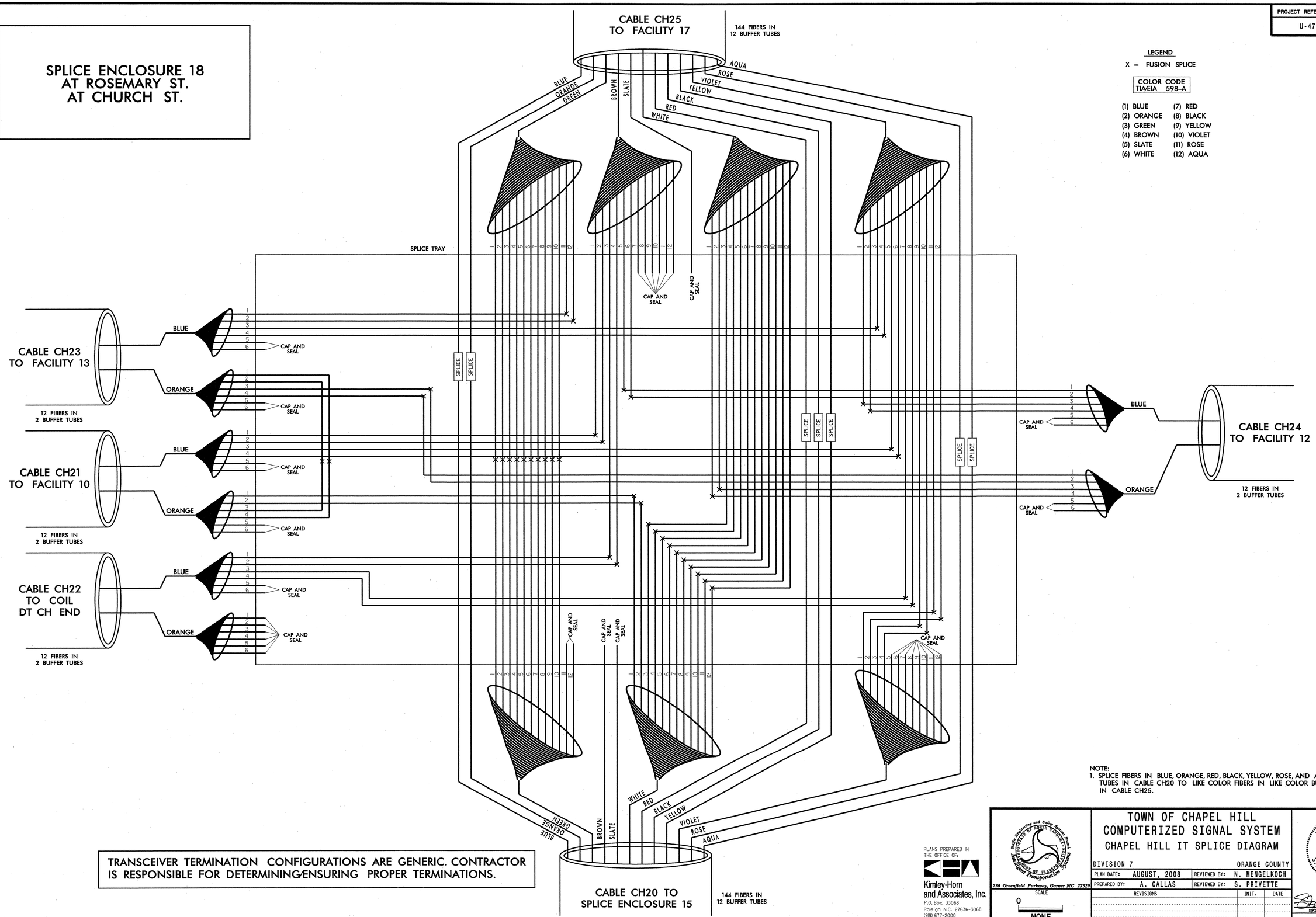
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 117

SPLICE ENCLOSURE 18 AT ROSEMARY ST. AT CHURCH ST.



LEGEND

X = FUSION SPLICE

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

NOTE:
1. SPLICE FIBERS IN BLUE, ORANGE, RED, BLACK, YELLOW, ROSE, AND AQUA BUFFER TUBES IN CABLE CH20 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH25.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 118

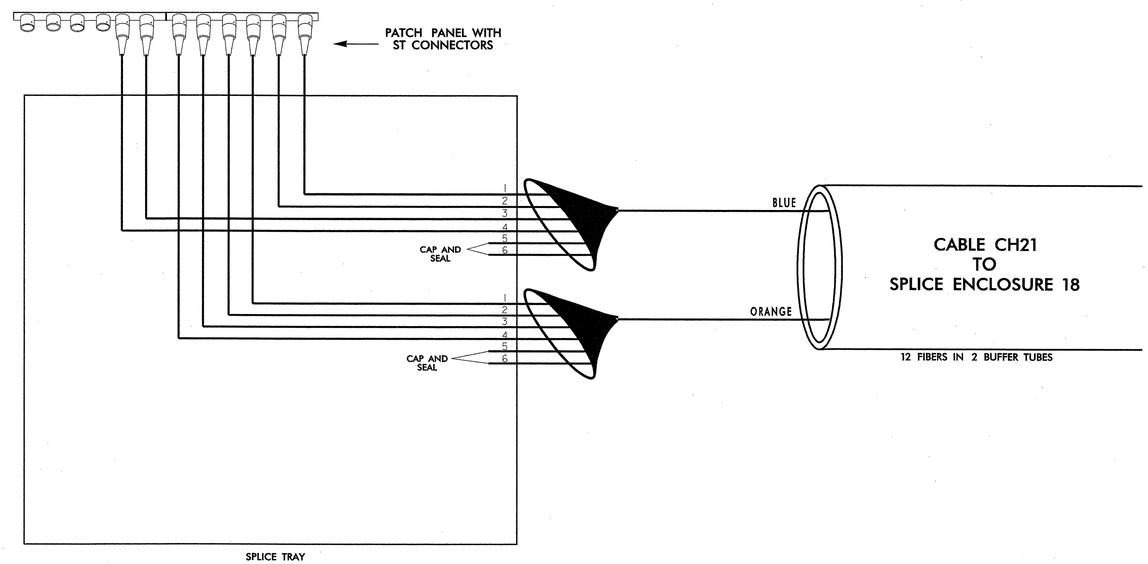
FACILITY 10
HARGRAVES COMMUNITY CENTER

LEGEND

X = FUSION SPLICE

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



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-29-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 119

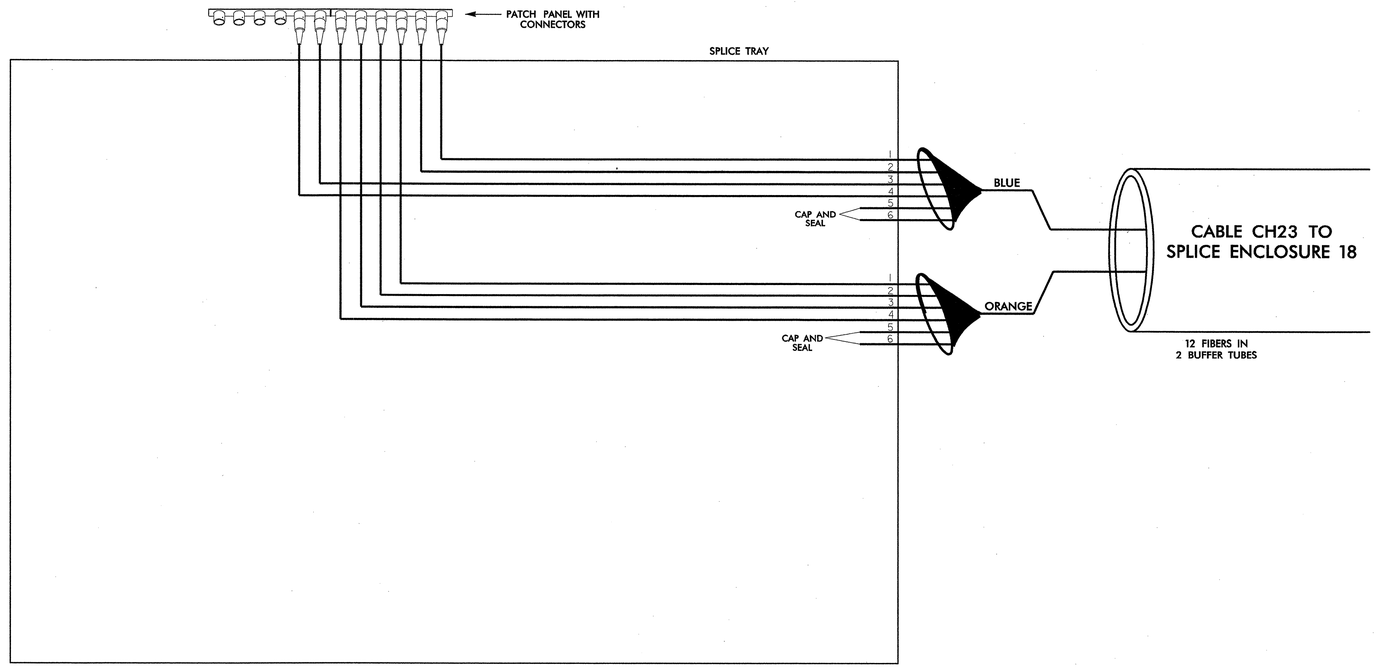
FACILITY 13
CHAPEL HILL HOUSING OFFICE

LEGEND

X = FUSION SPLICE

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



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

12/22/2008
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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

Traffic Engineering and Safety Systems Branch
Intelligent Transportation Systems
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 120

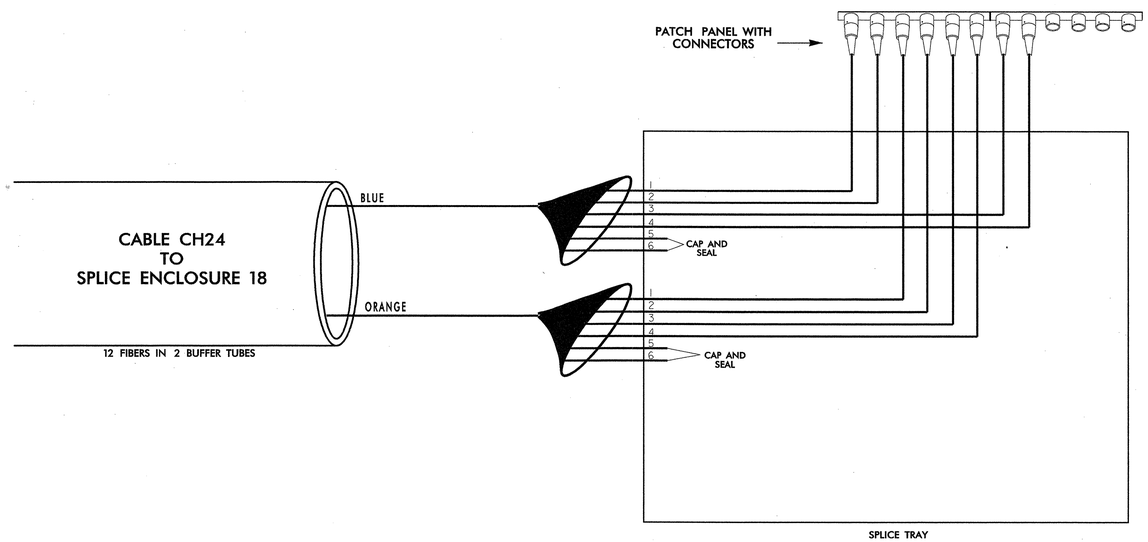
FACILITY 12
CHAPEL HILL PARKING SERVICES

LEGEND

X = FUSION SPLICE

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



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 121

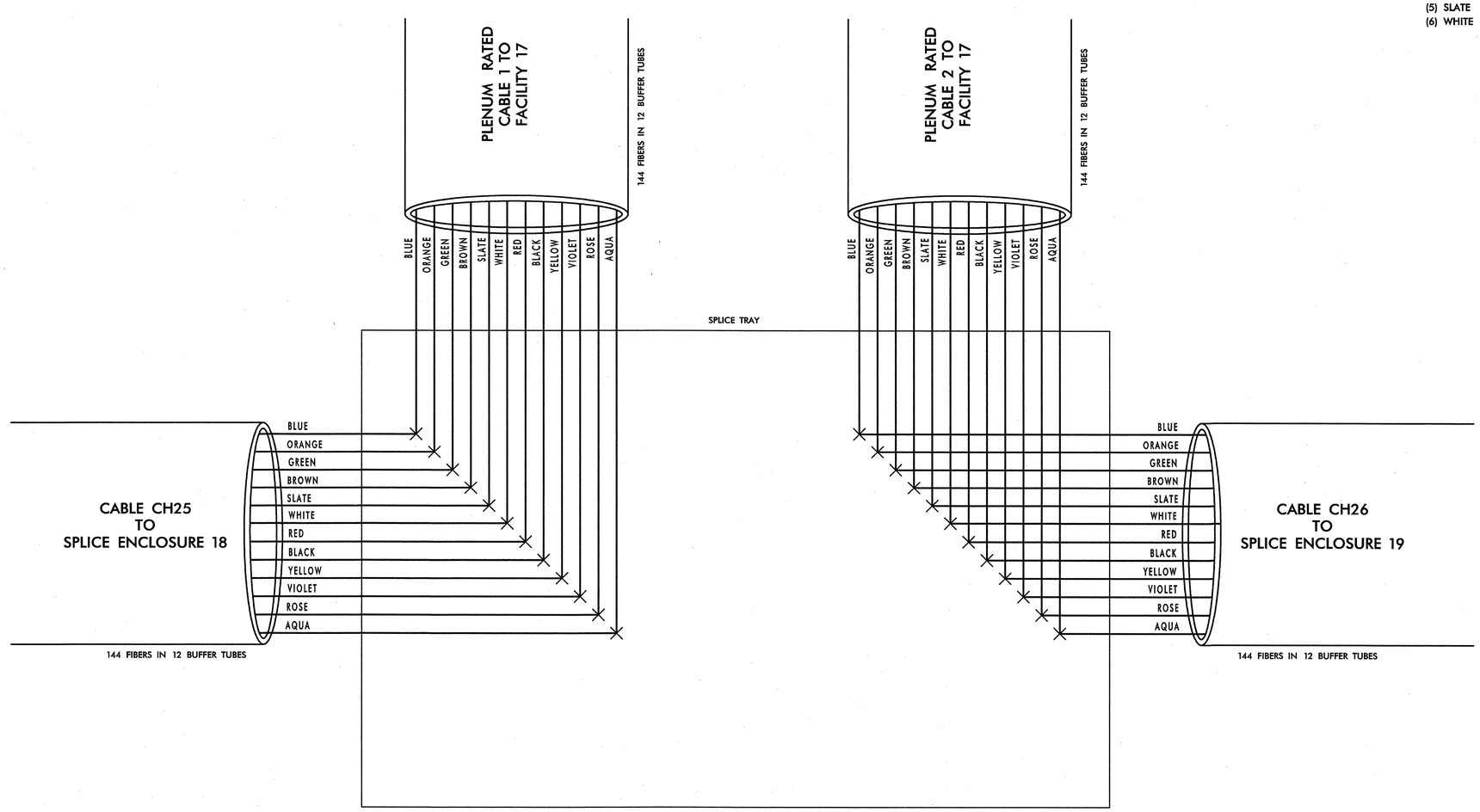
SPLICE ENCLOSURE AT FACILITY 17

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE CH25 TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBES IN PLENUM CABLE 1.
2. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE CH26 TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBES IN PLENUM CABLE 2.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.24.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 122

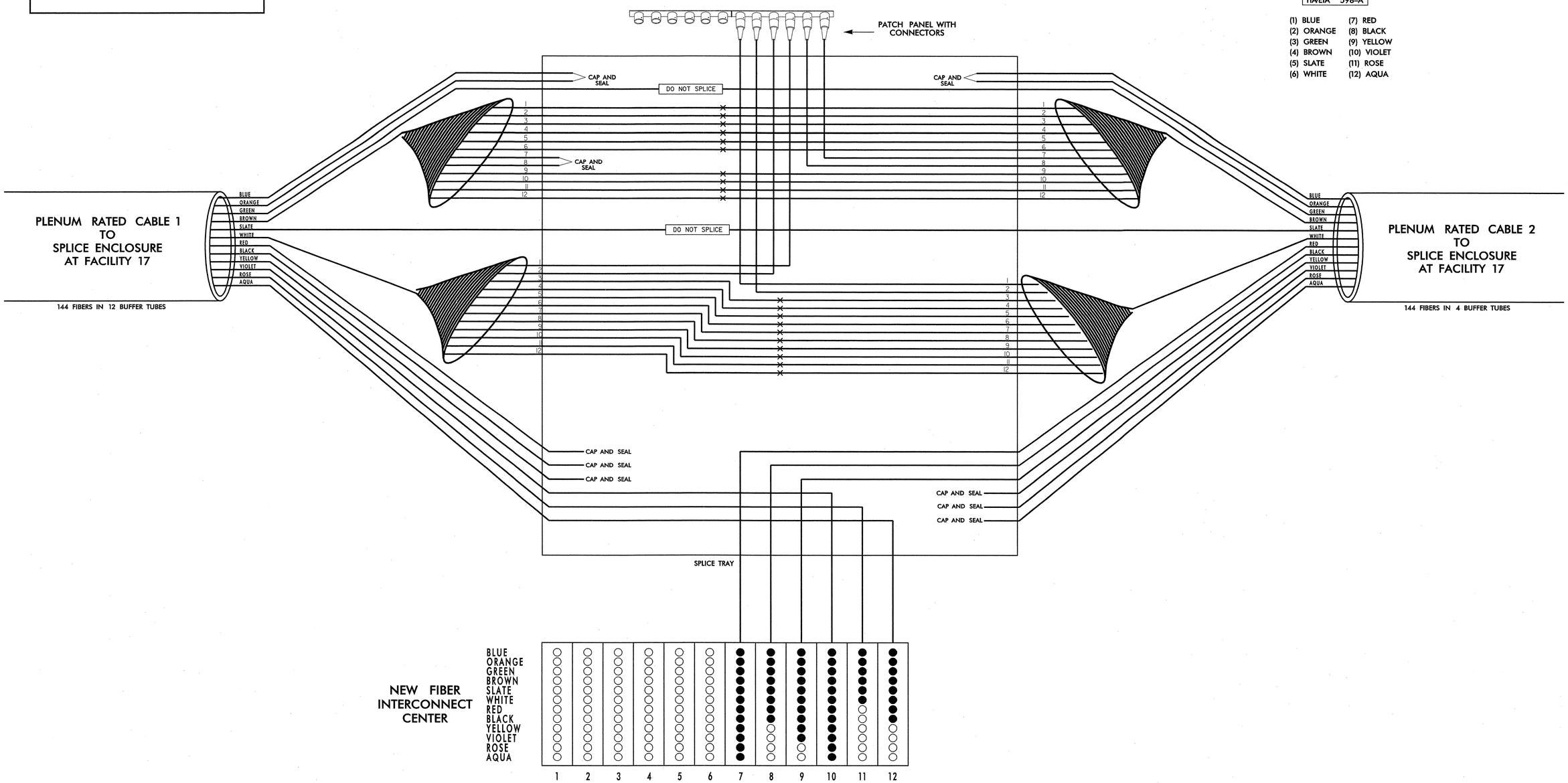
FACILITY 17
TOWN HALL

LEGEND

X = FUSION SPLICE

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



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

SCALE
0
NONE

750 Greenfield Parkway, Garner NC 27529

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 123

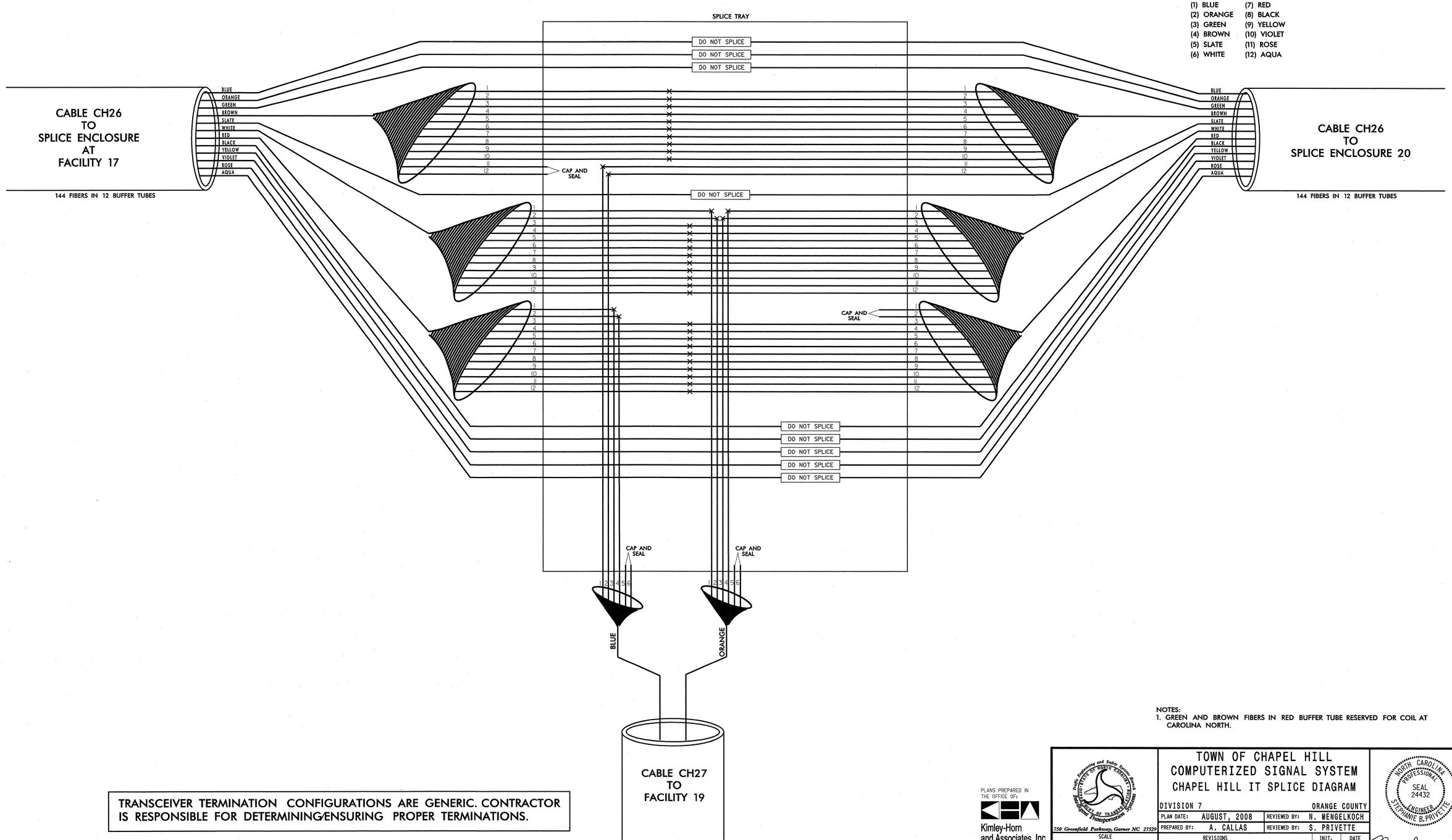
SPLICE ENCLOSURE 19
AT FACILITY 19
CHAPEL HILL POLICE DEPARTMENT

LEGEND

X = FUSION SPLICE

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



NOTES:
1. GREEN AND BROWN FIBERS IN RED BUFFER TUBE RESERVED FOR COIL AT CAROLINA NORTH.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-24-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 124

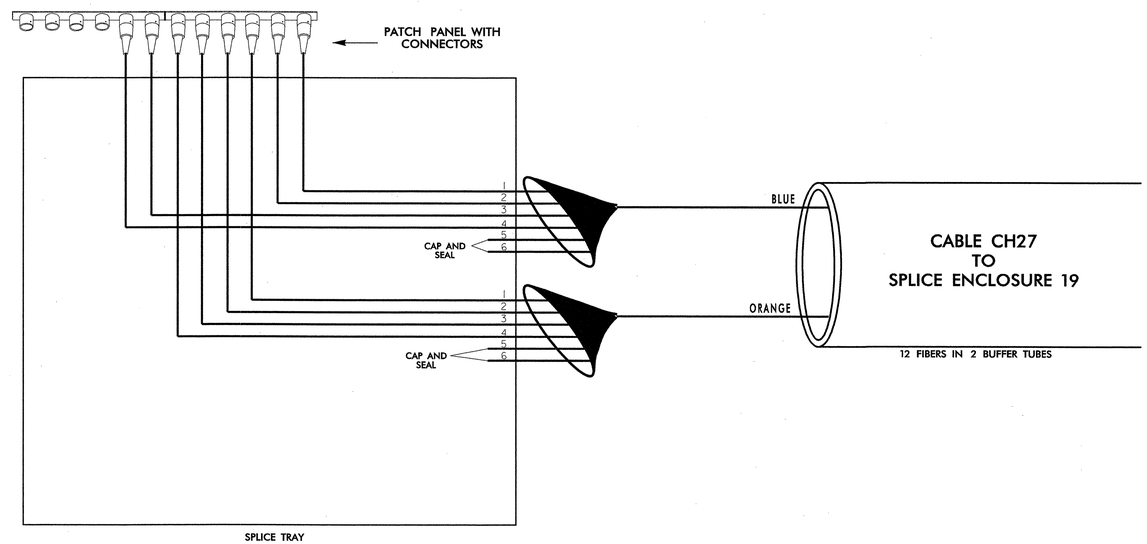
FACILITY 19
CHAPEL HILL POLICE DEPARTMENT

LEGEND

X = FUSION SPLICE

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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PLANS PREPARED IN THE OFFICE OF:

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

750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 125

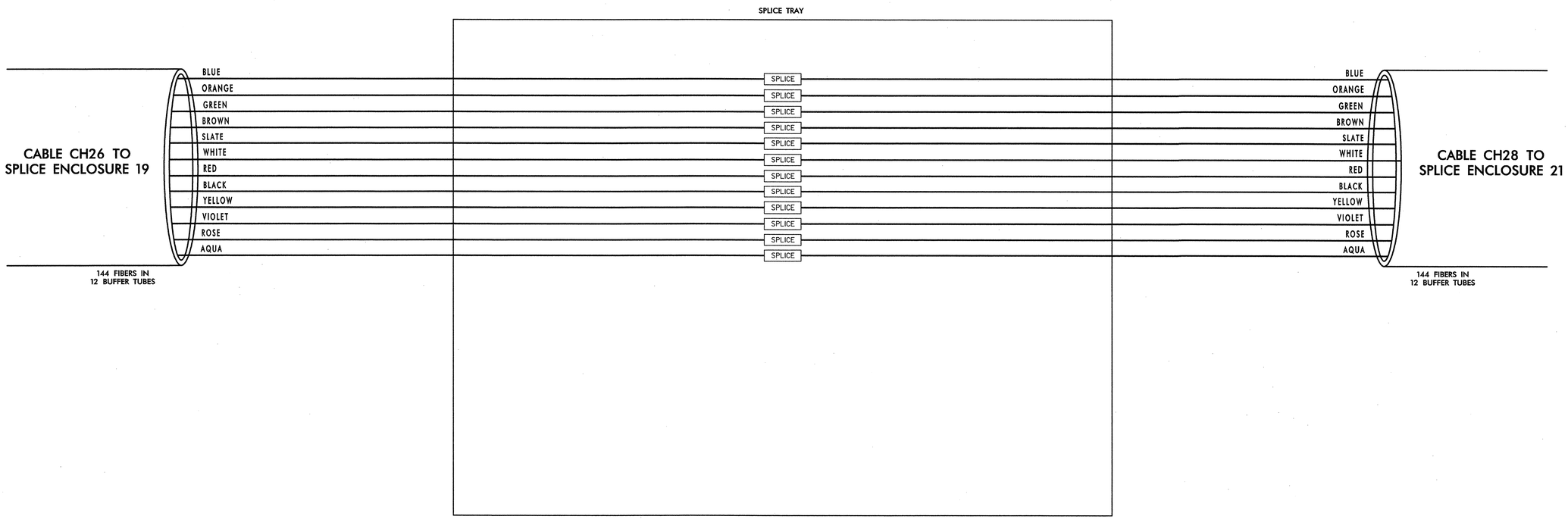
SPLICE ENCLOSURE 20 AT MARTIN LUTHER KING JR. BLVD. AT PINEY MOUNTAIN RD.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN CABLE CH28 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CH26.
2. YELLOW AND VIOLET FIBERS IN ORANGE BUFFER TUBE AND GREEN AND BROWN FIBERS IN RED BUFFER TUBE RESERVED FOR COIL AT UNC PUBLIC SAFETY.

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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-24-08 DATE

12/22/2008
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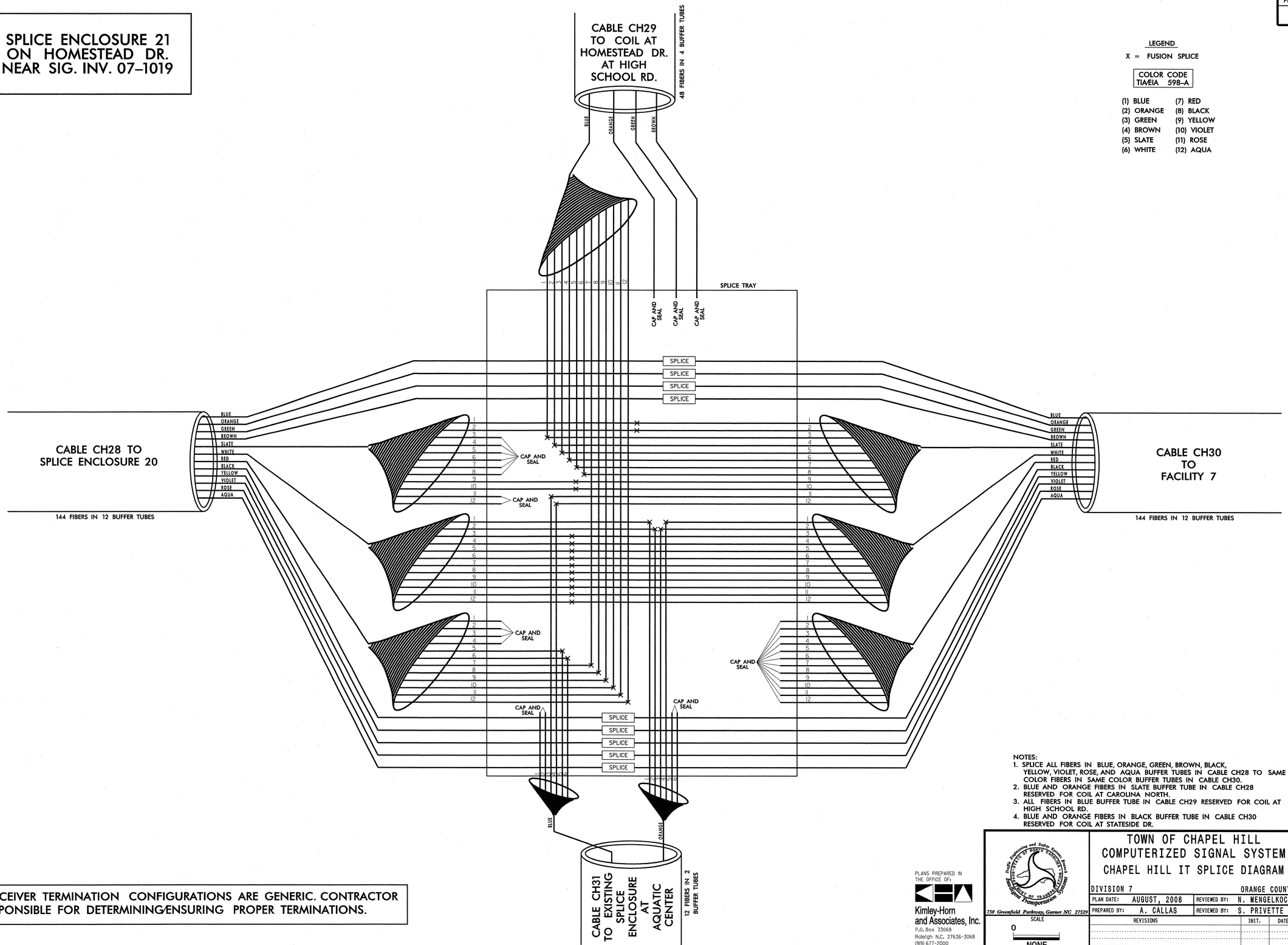
PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 126

SPLICE ENCLOSURE 21 ON HOMESTEAD DR. NEAR SIG. INV. 07-1019



LEGEND

X = FUSION SPLICE

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

NOTES:
1. SPLICE ALL FIBERS IN BLUE, ORANGE, GREEN, BROWN, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE CH28 TO SAME COLOR FIBERS IN SAME COLOR BUFFER TUBES IN CABLE CH30.
2. BLUE AND ORANGE FIBERS IN SLATE BUFFER TUBE IN CABLE CH28 RESERVED FOR COIL AT CAROLINA NORTH.
3. ALL FIBERS IN BLUE BUFFER TUBE IN CABLE CH29 RESERVED FOR COIL AT HIGH SCHOOL RD.
4. BLUE AND ORANGE FIBERS IN BLACK BUFFER TUBE IN CABLE CH30 RESERVED FOR COIL AT STATESIDE DR.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
f:\systems\projects\011036150 (chapel hill)\spl\chg\spl_IT_26.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 127

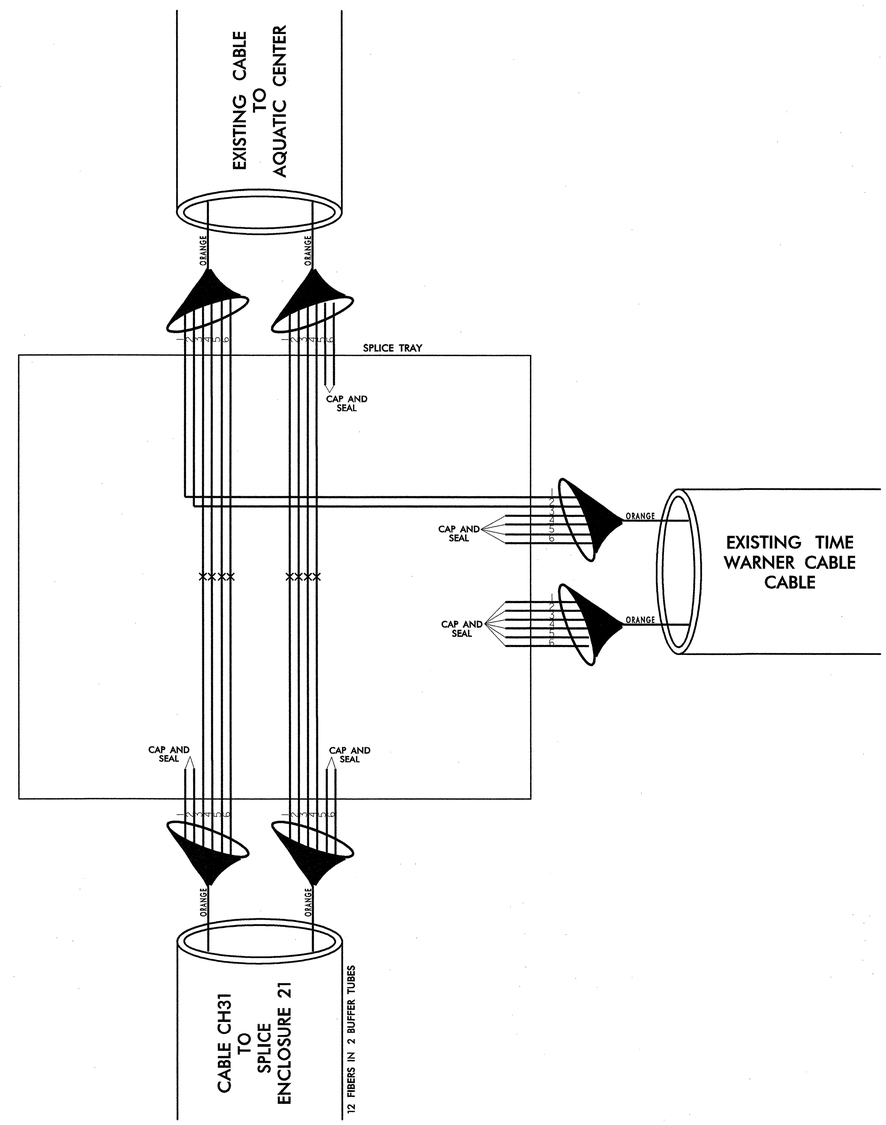
FACILITY 21
EXISTING SPLICE ENCLOSURE AT AQUATIC CENTER

LEGEND

X = FUSION SPLICE

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



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

12/22/2008
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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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 128

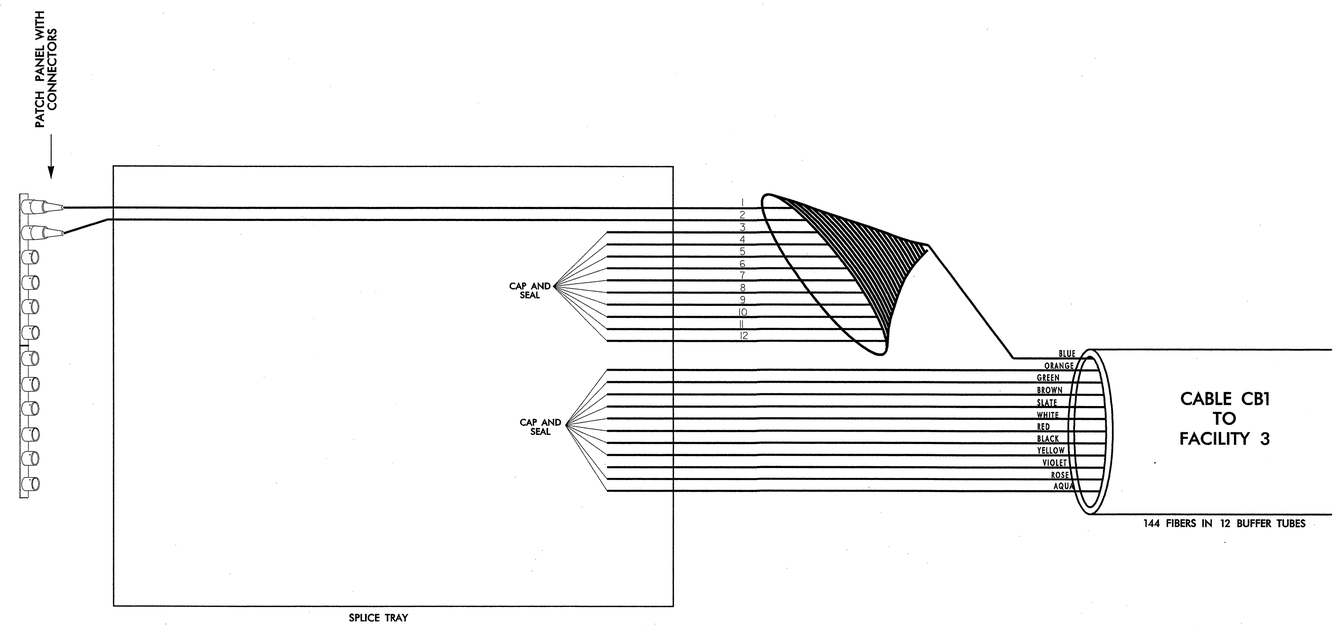
FACILITY 1
CARRBORO TOWN HALL

LEGEND

X = FUSION SPLICE

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



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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CARRBORO IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-25-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 129

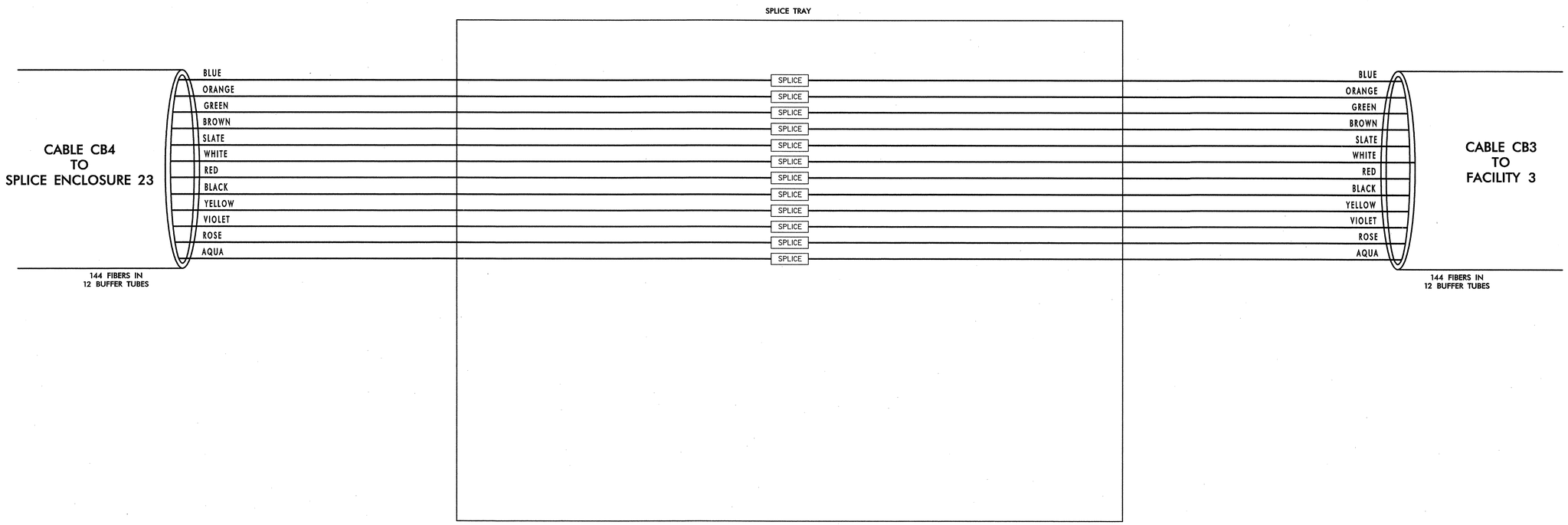
SPLICE ENCLOSURE 22 AT JONES FERRY RD. AT FORDHAM BLVD.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE CB3 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CB4.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CARRBORO IT SPLICE DIAGRAM

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-29-08

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 130

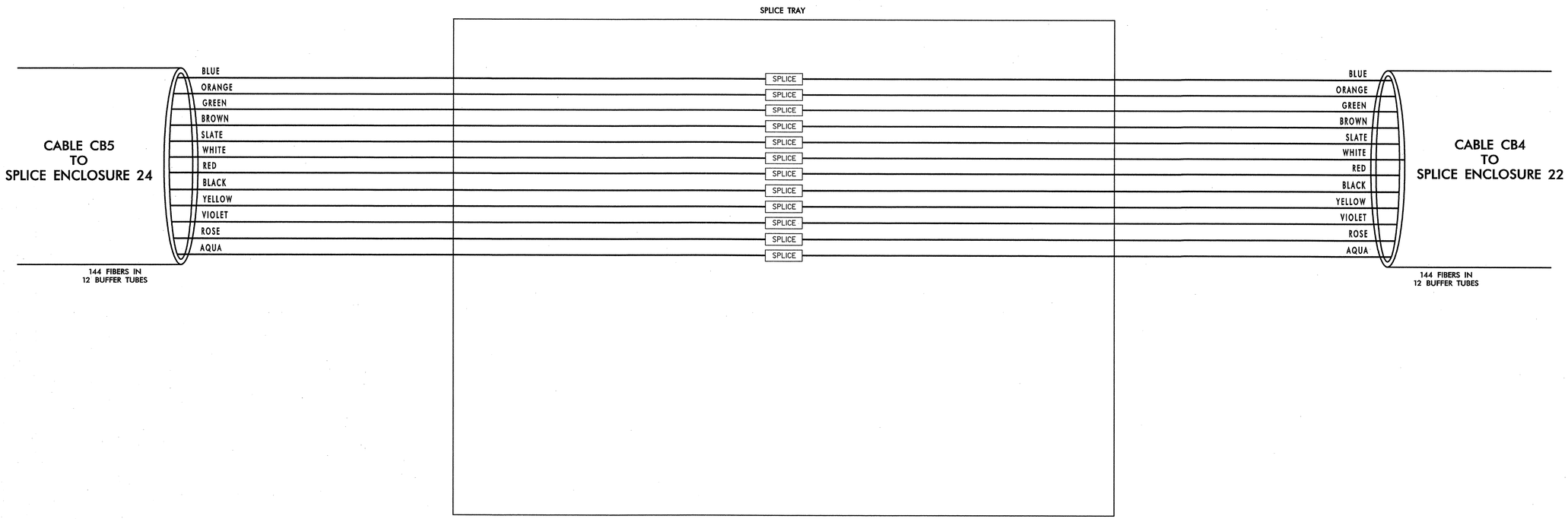
SPLICE ENCLOSURE 23 AT OLD FAYETTEVILLE RD AT MAIN ST.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, AND AQUA BUFFER TUBES IN CABLE CB4 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CB5.

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

Profile Innovative and Safety Sensitive Solutions
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CARRBORO IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

12.29.08
SIGNATURE DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 131

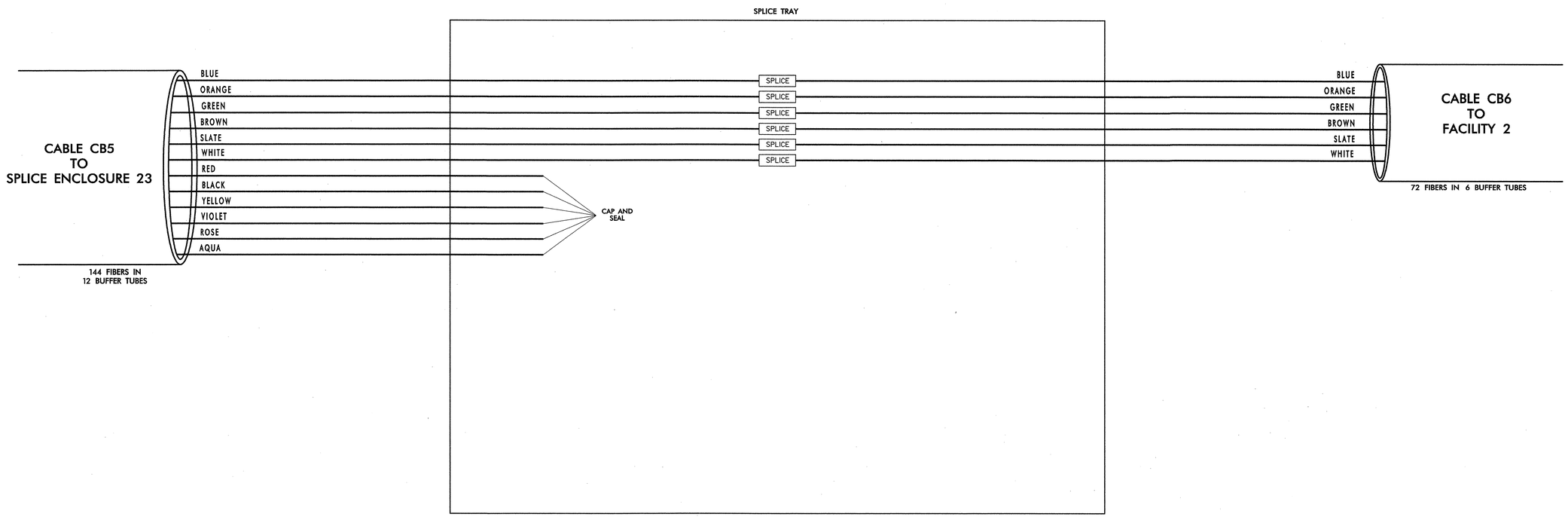
SPLICE ENCLOSURE 24 AT OLD NC 86 AT HOMESTEAD RD.

LEGEND

X = FUSION SPLICE

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



NOTES:
1. SPLICE FIBERS IN BLUE, ORANGE, GREEN, BROWN, SLATE, AND WHITE, BUFFER TUBES IN CABLE CB6 TO LIKE COLOR FIBERS IN LIKE COLOR BUFFER TUBES IN CABLE CB5.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CARRBORO IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.29.08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 132

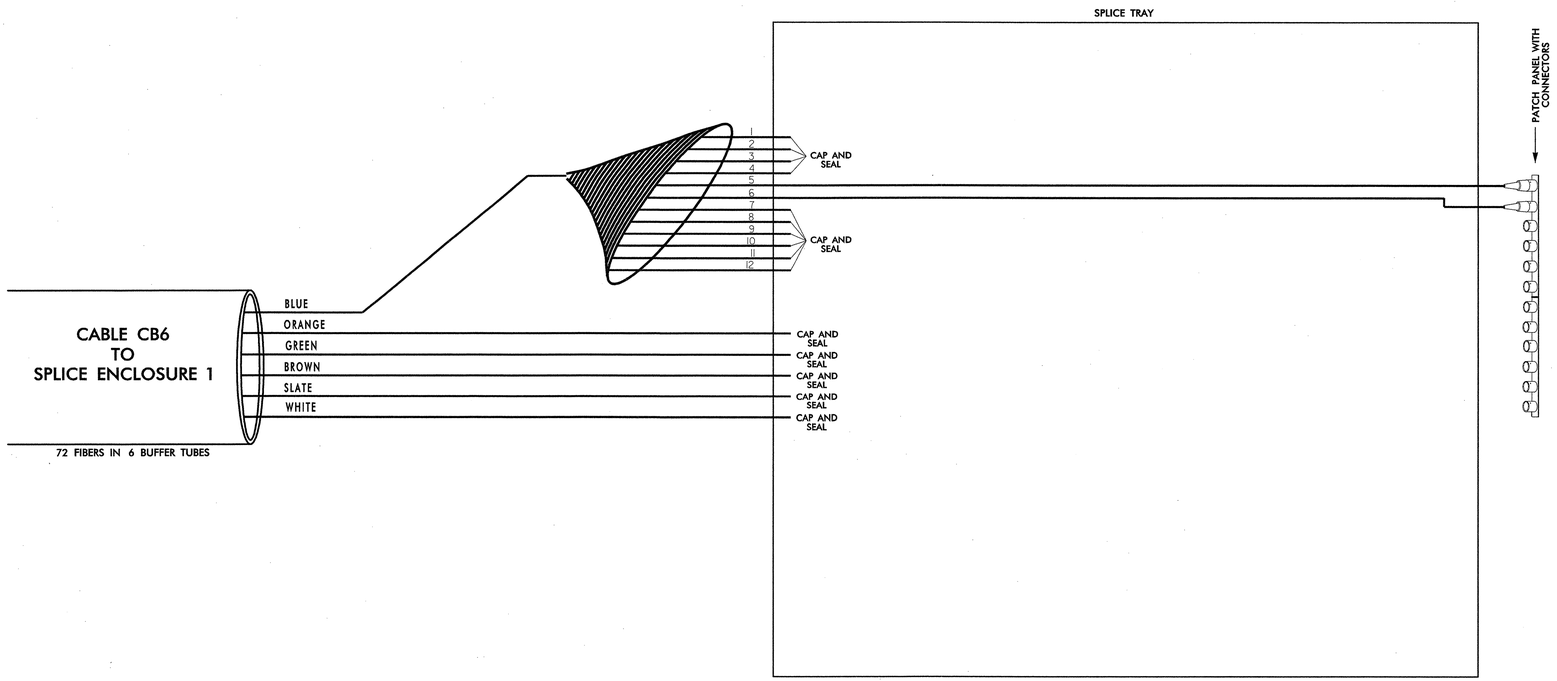
FACILITY 2
CARRBORO FIRE STATION

LEGEND

X = FUSION SPLICE

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



NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY – ACTUAL EQUIPMENT FORM MAY VARY.

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 Systems Branch
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CARRBORO IT SPLICE DIAGRAM

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12-24-08 DATE

12/22/2008
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PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 133

CABLE 1E		BUFFER TUBE											
144 FIBERS		BLUE	ORANGE	GREEN	BROWN	SLATE	WHITE	RED	BLACK	YELLOW	VIOLET	ROSE	AQUA
FIBER	Blue	CH 15 SIGNALS	CH 13 SIGNALS	CH 12 SIGNALS	CH 10 SIGNALS	CH 11 SIGNALS	CH 8 SIGNALS	CH 7 SIGNALS	CH 6 SIGNALS	CH 4 SIGNALS	CH 3 SIGNALS	CH 2 SIGNALS	CH 1 SIGNALS
	Orange	CH 15 SIGNALS	CH 13 SIGNALS	CH 12 SIGNALS	CH 10 SIGNALS	CH 11 SIGNALS	CH 8 SIGNALS	CH 7 SIGNALS	CH 6 SIGNALS	CH 4 SIGNALS	CH 3 SIGNALS	CH 2 SIGNALS	CH 1 SIGNALS
	Green	CH 14 SIGNALS	SPARE	SPARE	SPARE	CH 9 SIGNALS	CCTV 4	SPARE	CH 5 SIGNALS	SPARE	SPARE	SPARE	SPARE
	Brown	CH 14 SIGNALS	SPARE	SPARE	SPARE	CH 9 SIGNALS	SPARE	SPARE	CH 5 SIGNALS	CCTV 1	SPARE	SPARE	SPARE
	Slate	SPARE	SPARE	SPARE	CCTV 6	CCTV 5	FUT CCTV 2	SPARE	CCTV 10	SPARE	SPARE	SPARE	SPARE
	White	CCTV 7	SPARE	SPARE	CCTV 9	CCTV 8	FUT CCTV 7	SPARE	CCTV 11	CCTV 14	SPARE	SPARE	SPARE
	Red	SPARE	SPARE	SPARE	SPARE	FUT CCTV 5	SPARE	SPARE	CCTV 2	SPARE	SPARE	SPARE	SPARE
	Black	SPARE	SPARE	SPARE	SPARE	FUT CCTV 8	SPARE	SPARE	SPARE	SPARE	NCDOT fiber at Fordham Blvd at I40	SPARE	SPARE
	Yellow	SPARE	FUT CCTV 10	SPARE	SPARE	FUT CCTV 6	SPARE	Chapel Hill Police Department (FAC 19)	SPARE	SPARE	NCDOT fiber at Fordham Blvd at I40	SPARE	SPARE
	Violet	SPARE	FUT CCTV 9	SPARE	SPARE	SPARE	SPARE	Chapel Hill Police Department (FAC 19)	SPARE	SPARE	NCDOT fiber at Fordham Blvd at I40	SPARE	SPARE
	Rose	SPARE	FUT CCTV 4	SPARE	UNC Public Safety (FAC 20)	SPARE	Town EOC (FAC 4)	FUT CCTV 11	SPARE	SPARE	NCDOT fiber at Fordham Blvd at I40	FUT CCTV 12	SPARE
	Aqua	SPARE	CCTV 3	FUT CCTV 3	UNC Public Safety (FAC 20)	SPARE	Town EOC (FAC 4)	CCTV 12	SPARE	SPARE	NCDOT fiber at Fordham Blvd at I40	FUT CCTV 1	CCTV 13

CABLE CH1		BUFFER TUBE											
144 FIBERS		BLUE	ORANGE	GREEN	BROWN	SLATE	WHITE	RED	BLACK	YELLOW	VIOLET	ROSE	AQUA
FIBER	Blue	FACILITY 14	FACILITY 9	COIL 7CH (ROCK HAVEN RD)	FACILITY 10	COIL 9CH (CAROLINA NORTH)	RING	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Orange	FACILITY 14	FACILITY 9	COIL 7CH (ROCK HAVEN RD)	FACILITY 10	COIL 9CH (CAROLINA NORTH)	RING	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Green	FACILITY 7	FACILITY 5	COIL 6CH (SMITH LEVEL RD AT NC 54)	COIL 8CH (DT CH END COIL)	COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	RING	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Brown	FACILITY 7	FACILITY 5	COIL 6CH (SMITH LEVEL RD AT NC 54)	COIL 8CH (DT CH END COIL)	COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	RING	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Slate	FACILITY 6	FACILITY 16	FACILITY 15	FACILITY 12	COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	White	FACILITY 6	FACILITY 16	FACILITY 15	FACILITY 12	COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Red	FACILITY 11	COIL 3CH (MEADOWMONT)	FACILITY 8	FACILITY 17	COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	SPARE	SPARE	Reserved for Star 2	SPARE	SPARE	SPARE	SPARE
	Black	FACILITY 11	COIL 3CH (MEADOWMONT)	FACILITY 8	FACILITY 17	COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	SPARE	SPARE	Reserved for Star 2	SPARE	SPARE	SPARE	SPARE
	Yellow	COIL 1CH (ESTES DR AT CASWELL RD)	COIL 4CH (FACILITY 20 COIL)	COIL 5CH (MT. CARMEL CHURCH RD)	SPARE	COIL 11CH (STATESIDE DR)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Violet	COIL 1CH (ESTES DR AT CASWELL RD)	COIL 4CH (FACILITY 20 COIL)	COIL 5CH (MT. CARMEL CHURCH RD)	SPARE	COIL 11CH (STATESIDE DR)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Rose	COIL 2CH (LIBRARY DR AT ESTES DR COIL)	SPARE	FACILITY 13	FACILITY 19	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Aqua	COIL 2CH (LIBRARY DR AT ESTES DR COIL)	SPARE	FACILITY 13	FACILITY 19	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

DROP CABLE TO SIGNAL SHOP		BUFFER TUBE	
12 FIBERS		BLUE	ORANGE
FIBER	Blue	TEST SIGNAL	SPARE
	Orange	TEST SIGNAL	SPARE
	Green	SPARE	SPARE
	Brown	SPARE	SPARE
	Slate	SPARE	SPARE
	White	SPARE	SPARE

12/22/2008
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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 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL TOC

DIVISION 7 ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE 12.22.08 DATE

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 134

PLENUM CABLE 1 (CH25)		BUFFER TUBE											
144 FIBERS		BLUE	ORANGE	GREEN	BROWN	SLATE	WHITE	RED	BLACK	YELLOW	VIOLET	ROSE	AQUA
FIBER	Blue			Reserved for Star 1	Reserved for Star 1		Reserved for Ring				FACILITY 12	COIL 5CH (MT CARMEL CHURCH RD)	COIL 4CH (UNC PUBLIC SAFETY)
	Orange			Reserved for Star 1	Reserved for Star 1		Reserved for Ring				FACILITY 12	COIL 5CH (MT CARMEL CHURCH RD)	COIL 4CH (UNC PUBLIC SAFETY)
	Green			Reserved for Star 1	Reserved for Star 1						FACILITY 13	FACILITY 8	FACILITY 5
	Brown			Reserved for Star 1	Reserved for Star 1						FACILITY 13	FACILITY 8	FACILITY 5
	Slate			Reserved for Star 1	Reserved for Star 1						FACILITY 10	FACILITY 15	FACILITY 16
	White			Reserved for Star 1	Reserved for Star 1						FACILITY 10	FACILITY 15	FACILITY 16
	Red			Reserved for Star 1	Reserved for Star 1						COIL 8CH (DT CH END COIL)		COIL 3CH (MEADOWMONT)
	Black			Reserved for Star 1	Reserved for Star 1						COIL 8CH (DT CH END COIL)		COIL 3CH (MEADOWMONT)
	Yellow			Reserved for Star 1							COIL 6CH (SMITH LEVEL RD AT NC 54)		
	Violet			Reserved for Star 1							COIL 6CH (SMITH LEVEL RD AT NC 54)		
	Rose			Reserved for Star 1							COIL 7CH (ROCK HAVEN RD)		
	Aqua			Reserved for Star 1							COIL 7CH (ROCK HAVEN RD)		

PLENUM CABLE 2 (CH26)		BUFFER TUBE											
144 FIBERS		BLUE	ORANGE	GREEN	BROWN	SLATE	WHITE	RED	BLACK	YELLOW	VIOLET	ROSE	AQUA
FIBER	Blue			Reserved for Star 1	Reserved for Star 1		Reserved for Ring	FACILITY 19	COIL 11CH(STATESIDE DR)	FACILITY 6			
	Orange			Reserved for Star 1	Reserved for Star 1		Reserved for Ring	FACILITY 19	COIL 11CH(STATESIDE DR)	FACILITY 6			
	Green			Reserved for Star 1	Reserved for Star 1			COIL 9CH (CAROLINA NORTH)	FACILITY 7	FACILITY 11			
	Brown			Reserved for Star 1	Reserved for Star 1			COIL 9CH (CAROLINA NORTH)	FACILITY 7	FACILITY 11			
	Slate			Reserved for Star 1	Reserved for Star 1			FACILITY 21	FACILITY 14	COIL 2CH (LIBRARY DR AT ESTES DR)			
	White			Reserved for Star 1	Reserved for Star 1			FACILITY 21	FACILITY 14	COIL 2CH (LIBRARY DR AT ESTES DR)			
	Red			Reserved for Star 1	Reserved for Star 1			COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	FACILITY 18	COIL 1CH (ESTES DR AT CASWELL)			
	Black			Reserved for Star 1	Reserved for Star 1			COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)	FACILITY 18	COIL 1CH (ESTES DR AT CASWELL)			
	Yellow			Reserved for Star 1	Reserved for Star 1			COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)		FACILITY 9			
	Violet			Reserved for Star 1	Reserved for Star 1			COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)		FACILITY 9			
	Rose			Reserved for Star 1				COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)					
	Aqua			Reserved for Star 1				COIL 10CH (HOMESTEAD DR AT HIGH SCHOOL RD)					

12/22/2008
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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

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CHAPEL HILL EOC
(FACILITY 17)

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12-21-08

PROJECT REFERENCE NO.	SHEET NO.
U-4704	SPL. 135

CABLE CB1		BUFFER TUBE											
144 FIBERS		Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
FIBER	Blue	FACILITY 1	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Orange	FACILITY 1	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Green	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Brown	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Slate	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	White	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Red	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Black	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Yellow	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Violet	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Rose	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Aqua	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

CABLE CB2		BUFFER TUBE											
144 FIBERS		Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
FIBER	Blue	COIL 3CB (DOWNTOWN COIL)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Orange	COIL 3CB (DOWNTOWN COIL)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Green	COIL 4CB (DOWNTOWN CONNECTION COIL)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Brown	COIL 4CB (DOWNTOWN CONNECTION COIL)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Slate	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	White	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Red	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Black	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Yellow	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Violet	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Rose	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Aqua	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

CABLE CB3		BUFFER TUBE											
144 FIBERS		Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
FIBER	Blue	COIL 2CB (COIL AT 15-501)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Orange	COIL 2CB (COIL AT 15-501)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Green	COIL 1CB (HOMESTEAD DR COIL)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Brown	COIL 1CB (HOMESTEAD DR COIL)	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Slate	FACILITY 2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	White	FACILITY 2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Red	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Black	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Yellow	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Violet	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Rose	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	Aqua	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

12/22/2008
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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
Safety, Leadership and Safety Service Bureau
Intelligent Transportation Systems
750 Greenfield Parkway, Garner NC 27529

SCALE
0
NONE

TOWN OF CHAPEL HILL
COMPUTERIZED SIGNAL SYSTEM
CARRBORO TOC

DIVISION 7 — ORANGE COUNTY

PLAN DATE:	AUGUST, 2008	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	A. CALLAS	REVIEWED BY:	S. PRIVETTE

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 24432 ENGINEER STEPHANIE B. PRIVETTE

SIGNATURE — DATE 12.24.08