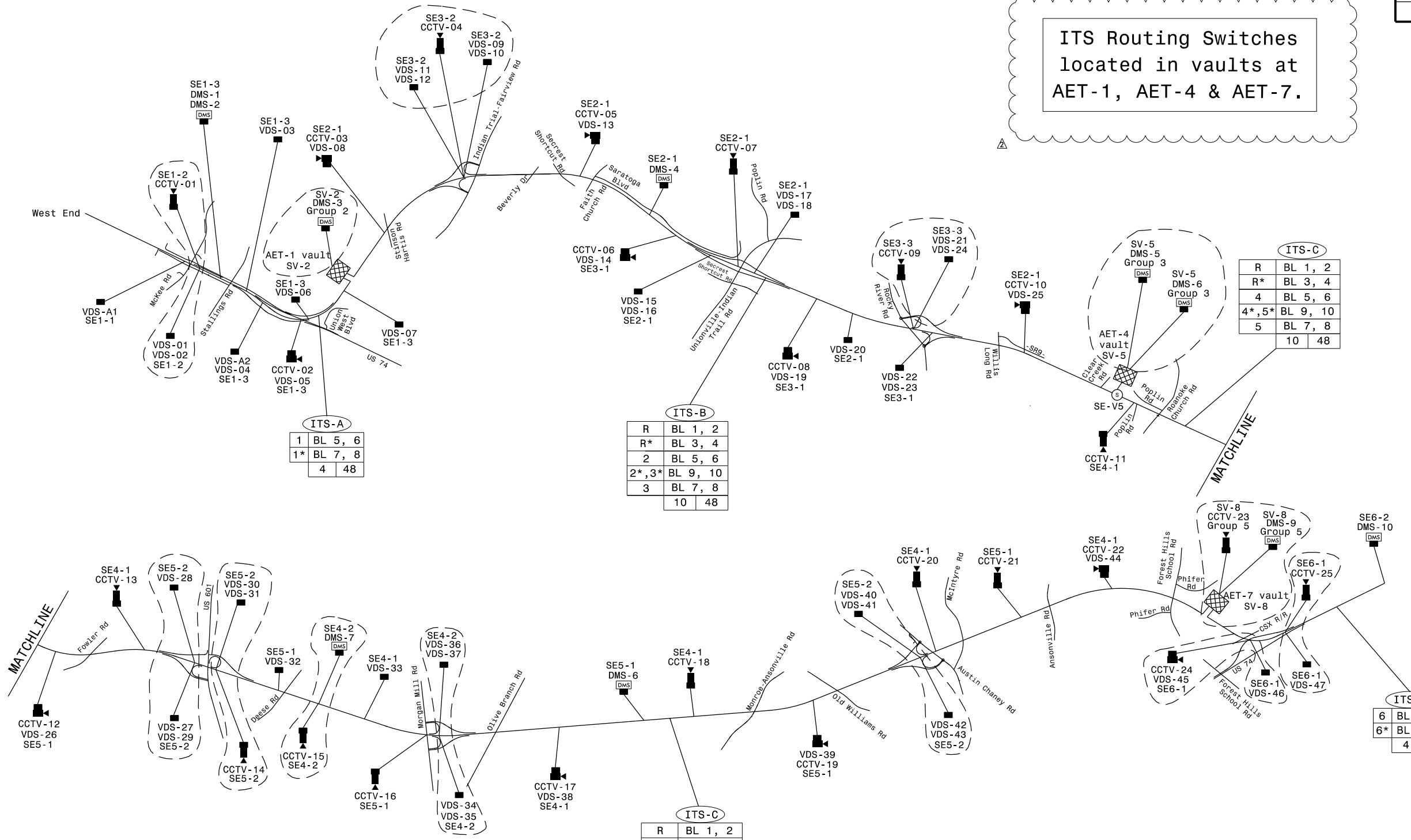


ITS Routing Switches located in vaults at AET-1, AET-4 & AET-7.



ITS-C

R	BL 1, 2
R*	BL 3, 4
4	BL 5, 6
4*, 5*	BL 9, 10
5	BL 7, 8
10	48

ITS-A

1	BL 5, 6
1*	BL 7, 8
4	48

ITS-B

R	BL 1, 2
R*	BL 3, 4
2	BL 5, 6
2*, 3*	BL 9, 10
3	BL 7, 8
10	48

ITS-D

6	BL 5, 6
6*	BL 7, 8
4	48

ITS-C

R	BL 1, 2
R*	BL 3, 4
4	BL 5, 6
4*, 5*	BL 9, 10
5	BL 7, 8
10	48

Legend

(S) = Cable-to-Cable Splice
 [] = Drop to CCTV
 [] = Drop to shared VDS/CCTV cabinet
 [] = Drop to DMS
 [] = Drop to RWIS
 VDS-A1 = Device ID
 SE1-1 = Splice Enclosure ID
 SV-2 = Splice in AET Vault ID
 SE-V5 = Splice Enclosure outside AET Vault ID

[] = AET vault
 [] = Drop to VDS
 [] = Drop to DMS
 [] = Drop to RWIS

Cable ID number
 Buffer tube and fibers used for each group
 Total fibers in cable
 Lit fibers in cable (this project)
 * Denotes Secondary/Redundant path

ITS-A
 1 BL 5, 6
 1* BL 7, 8
 4 48

ITS-B
 R BL 1, 2
 R* BL 3, 4
 2 BL 5, 6
 2*, 3* BL 9, 10
 3 BL 7, 8
 10 48

ITS-C
 R BL 1, 2
 R* BL 3, 4
 4 BL 5, 6
 4*, 5* BL 9, 10
 5 BL 7, 8
 10 48

ITS-D
 6 BL 5, 6
 6* BL 7, 8
 4 48

Color Code
 TIA/EIA 598-B
 (1) Blue BL
 (2) Orange OR
 (3) Green GR
 (4) Brown BR
 (5) Slate SL
 (6) White WH
 (7) Red RD
 (8) Black BK
 (9) Yellow YL
 (10) Violet VI
 (11) Rose RS
 (12) Aqua AQ

Group R is homerun fiber connection between router switches.

() = multiple drops from a single splice enclosure or vault

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 AS-BUILT CONSTRUCTION H.A. BADGETT 11/1/20

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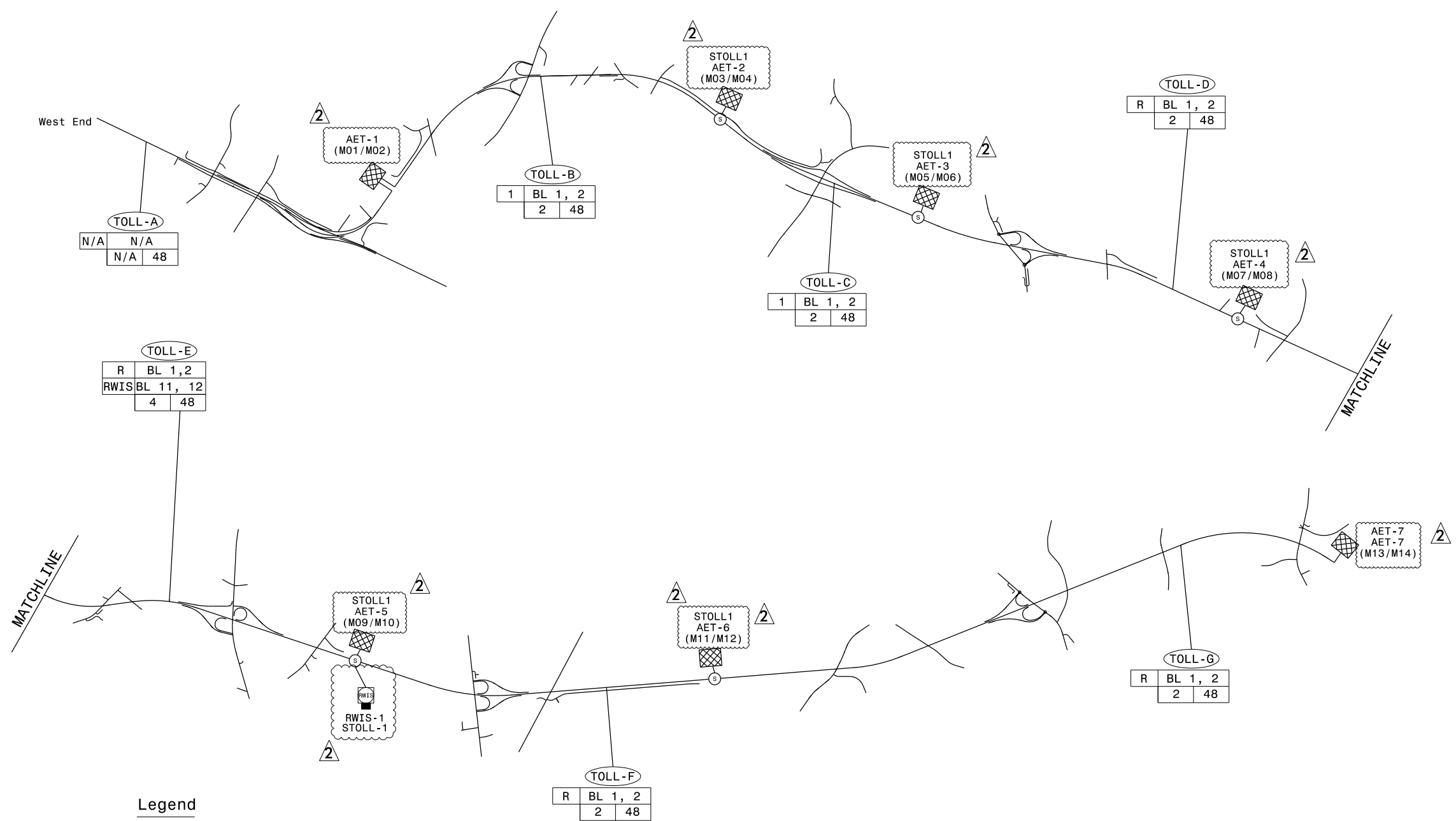
Prepared for the Offices of:

Turnpike Authority
 Division 10 Union County near Monroe
 PLAN DATE: September 2016 REVIEWED BY: LM Moon
 PREPARED BY: R Nissen REVIEWED BY: JE Beck

SCALE: N.T.S.
 REVISIONS: 08/31/19

SEAL
 MONROE EXPRESSWAY AS-BUILT ITS PLANS
 DATE:

27-OCT-2020 14:45 I:\Production\ITS\Communications\NR3329_R2559 ITS Comms Schematic-01.dgn



Legend

(S) = Cable-to-Cable Splice
 [X] = AET vault

STOLL1 AET-5 (M09/M10)
 ← Splice Number
 ← Toll Bldg. No.
 ← Toll Plaza No. (odd eastbound)

ITS-A
 Cable ID number: 1 BL 5, 6
 1* BL 7, 8
 4 48
 ← Group ID
 ← Buffer tube and fibers used for each group
 ← Total fibers in cable
 ← Lit fibers in cable (this project)

* Denotes Secondary/Redundant path
 ** Denotes information to be determined and implemented by others
 N/A Denotes dark fibers

Color Code
 TIA/EIA 598-B
 (1) Blue BL
 (2) Orange OR
 (3) Green GR
 (4) Brown BR
 (5) Slate SL
 (6) White WH
 (7) Red RD
 (8) Black BK
 (9) Yellow YL
 (10) Violet VI
 (11) Rose RS
 (12) Aqua AQ

STOLL1 = Splice for Toll Fiber

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 ▲ AS-BUILT CONSTRUCTION H.A. BADGETT 10/27/20

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Prepared for the Offices of:

Monroe Bypass - ITS Plans Toll Communications Schematic

Division 10 Union County near Monroe
 PLAN DATE: September 2016 REVIEWED BY: LM Moon
 PREPARED BY: R Nissen REVIEWED BY: JE Beck

SCALE: N.T.S.
 REVISIONS: HAD 08/30/19

SEAL: MONROE EXPRESSWAY AS-BUILT ITS PLANS
 DATE:

CADD File name:

27-OCT-2020 14:45
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 RANIG7500

ITS UTILIZATION

CABLE NO.=		ITS-A	ITS-B	ITS-C	ITS-D
CABLE SIZE =		48	48	48	48
New/Existing		New	New	New	New
TUBE	STRANDS				
BLUE	1, 2		Router	Router	
BLUE	3, 4		Router	Router	
BLUE	5, 6	1	2	4	6
BLUE	7, 8	1	3	5	6
BLUE	9, 10		2, 3	4, 5	
BLUE	11, 12				
ORANGE	1, 2				
ORANGE	3, 4				
ORANGE	5, 6				
ORANGE	7, 8				
ORANGE	9, 10				
ORANGE	11, 12				
GREEN	1, 2				
GREEN	3, 4				
GREEN	5, 6				
GREEN	7, 8				
GREEN	9, 10				
GREEN	11, 12				
BROWN	1, 2				
BROWN	3, 4				
BROWN	5, 6				
BROWN	7, 8				
BROWN	9, 10				
BROWN	11, 12				

TOLL UTILIZATION - TO BE DETERMINED BY OTHERS

CABLE NO.=		Toll A	Toll B	Toll C	Toll D	Toll E	Toll F	Toll G
CABLE SIZE =		48	48	48	48	48	48	48
New/Existing		New	New	New	New	New	New	New
TUBE	STRANDS							
BLUE	1, 2		Router	Hub Sw.	Hub Sw.	Hub Sw.	Router	
BLUE	3, 4							
BLUE	5, 6							
BLUE	7, 8							
BLUE	9, 10							
BLUE	11, 12					RWIS-1		
ORANGE	1, 2							
ORANGE	3, 4							
ORANGE	5, 6							
ORANGE	7, 8							
ORANGE	9, 10							
ORANGE	11, 12							
GREEN	1, 2							
GREEN	3, 4							
GREEN	5, 6							
GREEN	7, 8							
GREEN	9, 10							
GREEN	11, 12							
BROWN	1, 2							
BROWN	3, 4							
BROWN	5, 6							
BROWN	7, 8							
BROWN	9, 10							
BROWN	11, 12							

⚠ NOTES: IN AET-4 VAULT, JUMPER BLUE 11 AND 12 ON TOLLS SWITCH TO ETHERNET PORT ON ITS SWITCH.

LEGEND

= Group or Function
Blank = Not Used

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⚠ AS-BUILT CONSTRUCTION
H.A. BADGETT 10/27/20

Prepared for the Offices of:		Monroe Bypass - ITS Plans ITS & Toll Fiber Utilization Charts		SEAL	
Turnpike Authority		Division 10 Mecklenburg & Union Co. near Monroe		MONROE EXPRESSWAY AS-BUILT ITS PLANS	
PLAN DATE: September 2016		REVIEWED BY: JE Beck			
PREPARED BY: RD Nissen		REVIEWED BY: LM Moon			
SCALE	REVISIONS	INIT.	DATE		
NTS					
				CADD Filename:	

ITS Splice Diagrams

FS Sheet No.	Splice No.	Device ID	CM Sheet
FS-03	SE1-1	VDS-A1	CM-02
	SE1-2	CCTV-01 & VDS-01/VDS-02	CM-03
FS-04	SE1-3	DMS-1/DMS-2	CM-03
		VDS-03	CM-04
		VDS-A2/VDS-04	CM-05
		CCTV-02/VDS-05	CM-06
		VDS-06	CM-07
		VDS-07	CM-08
FS-05	SV-2	DMS-3/AET-1	CM-8/8A
FS-06	SE2-1	CCTV-03/VDS-08	CM-10
		CCTV-05/VDS-13	CM-17
		DMS-4/AET-2	CM-19/19A
		VDS-15/VDS-16	CM-21/22
		CCTV-07	CM-22
		VDS-17/VDS-18	CM-23
		VDS-20	CM-26
	SE3-1	CCTV-10/VDS-25	CM-32
		CCTV-06/VDS-14	CM-20
		CCTV-08/VDS-19	CM-23
FS-07	SE3-2	VDS-09/VDS-10, VDS-11/VDS-12, & CCTV-04	CM-25/26
	SE3-3	CCTV-09 & VDS-21/VDS-24	CM-28
FS-08	SE-V5	AET-4 VAULT	CM-35/35A
	SV-5	DMS-5 & DMS-6/AET-4	CM-35/35A

FS Sheet No.	Splice No.	Device ID	CM Sheet		
FS-09	SE4-1	CCTV-11	CM-35		
		CCTV-13	CM-42		
		VDS-33	CM-50		
		CCTV-17/VDS-38	CM-54		
		CCTV-18	CM-58		
		CCTV-20	CM-66		
	SE4-2	DMS-7/AET-5	CM-47/47A		
		VDS-34/VDS-35 & VDS-36/VDS-37	CM-50		
		FS-10	SE5-1	CCTV-12/VDS-26	CM-39
				VDS-32	CM-46
CCTV-16	CM-50				
DMS-8/AET-6	CM-56/56A				
CCTV-19/VDS-39	CM-62				
CCTV-21	CM-69				
SE5-2	VDS-27/VDS-29 & VDS-28		CM-47		
	CCTV-14 & VDS-30/VDS-31		CM-44		
FS-11	SV-8	DMS-9/AET-7 & CCTV-23	CM-74/74A		
FS-12	SE6-1	CCTV-24/VDS-45 & VDS-46	CM-77		
	SE6-2	CCTV-25 & VDS-47	CM-77		
		DMS-10	CM-83		

Toll Splice Diagrams

FS Sheet No.	Splice No.	Device ID	CM Sheet
FS-13	STOLL 1	AET 3,4,5,6,7	CM-19A, 25A, 35A, 47A, 56A

AET2 AND AET8 SHALL HAVE ALL FIBERS ENTERING VAULT TERMINATED IN INTERCONNECT CENTER.

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 AS-BUILT CONSTRUCTION
H.A. BADGETT 10/27/20

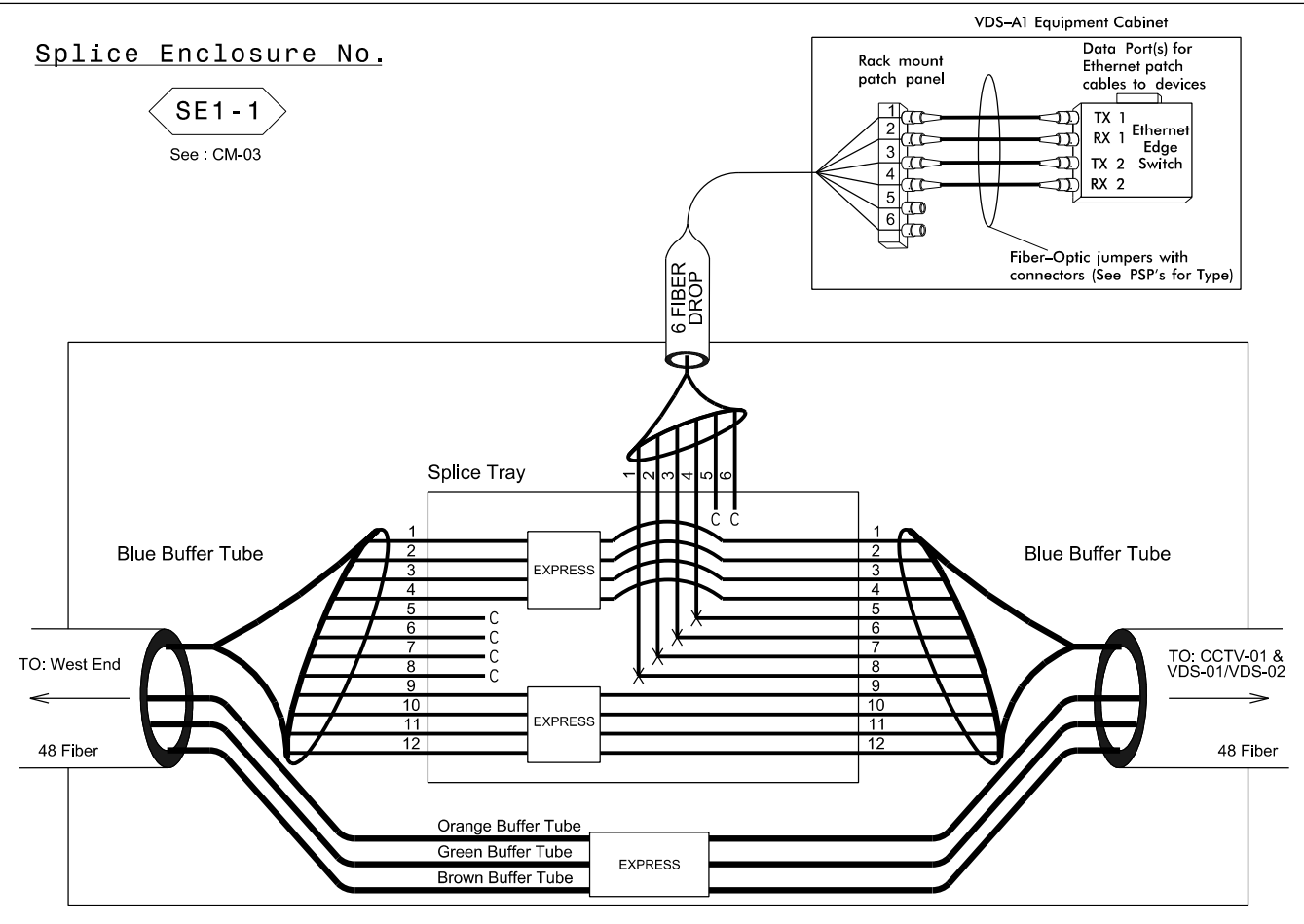
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Prepared for the Offices of: 		Monroe Bypass - ITS Plans ITS & Toll Index of Splice Diagrams		SEAL MONROE EXPRESSWAY AS-BUILT ITS PLANS
		Division 10 Mecklenburg & Union Co. near Monroe PLAN DATE: September 2016 REVIEWED BY: JE Beck		
		PREPARED BY: RD Nissen REVIEWED BY: LM Moon		
SCALE	REVISIONS	INIT.	DATE	
NTS				DATE
				CADD Filename:

Splice Enclosure No.

SE1-1

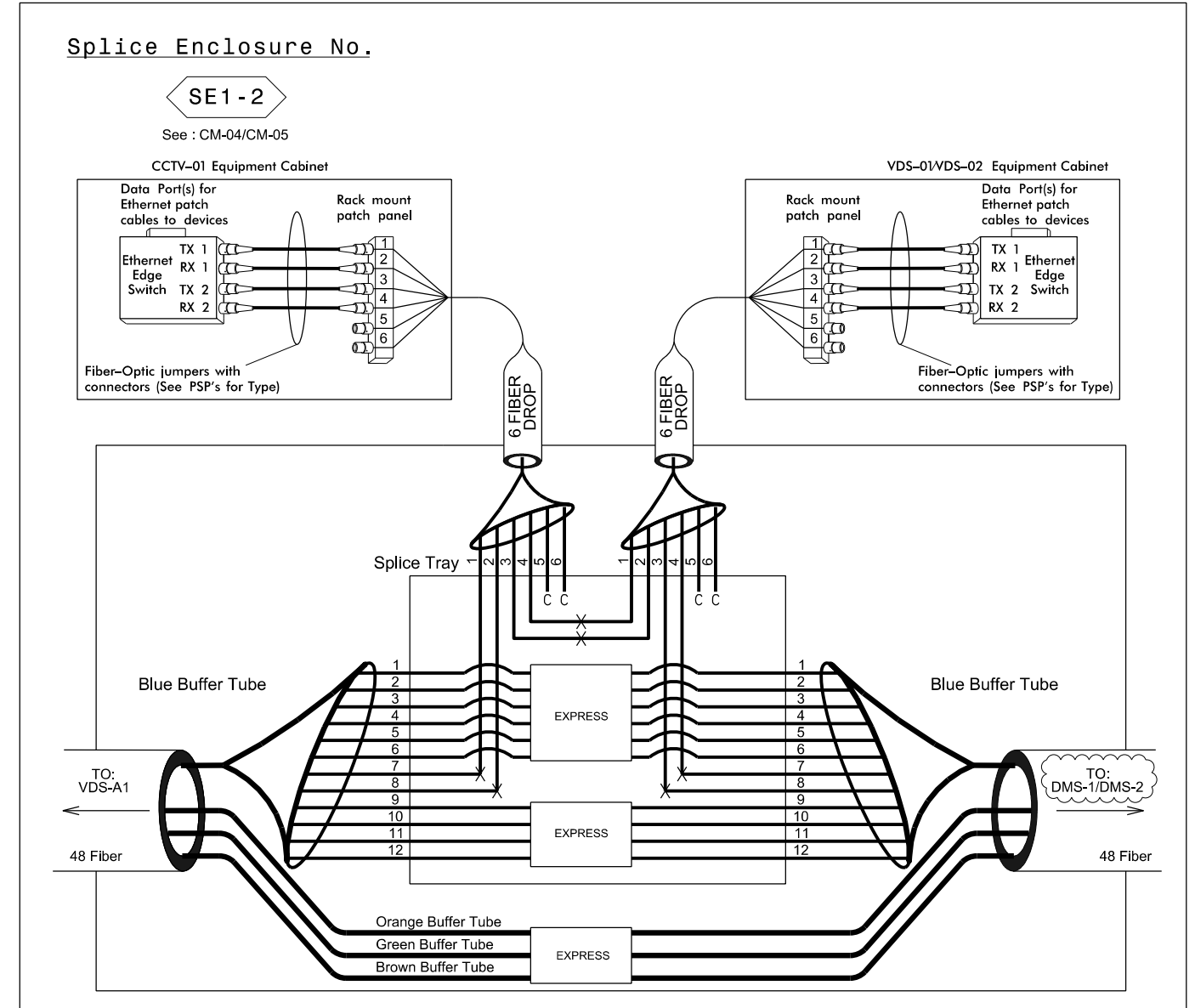
See : CM-03



Splice Enclosure No.

SE1-2

See : CM-04/CM-05



LEGEND

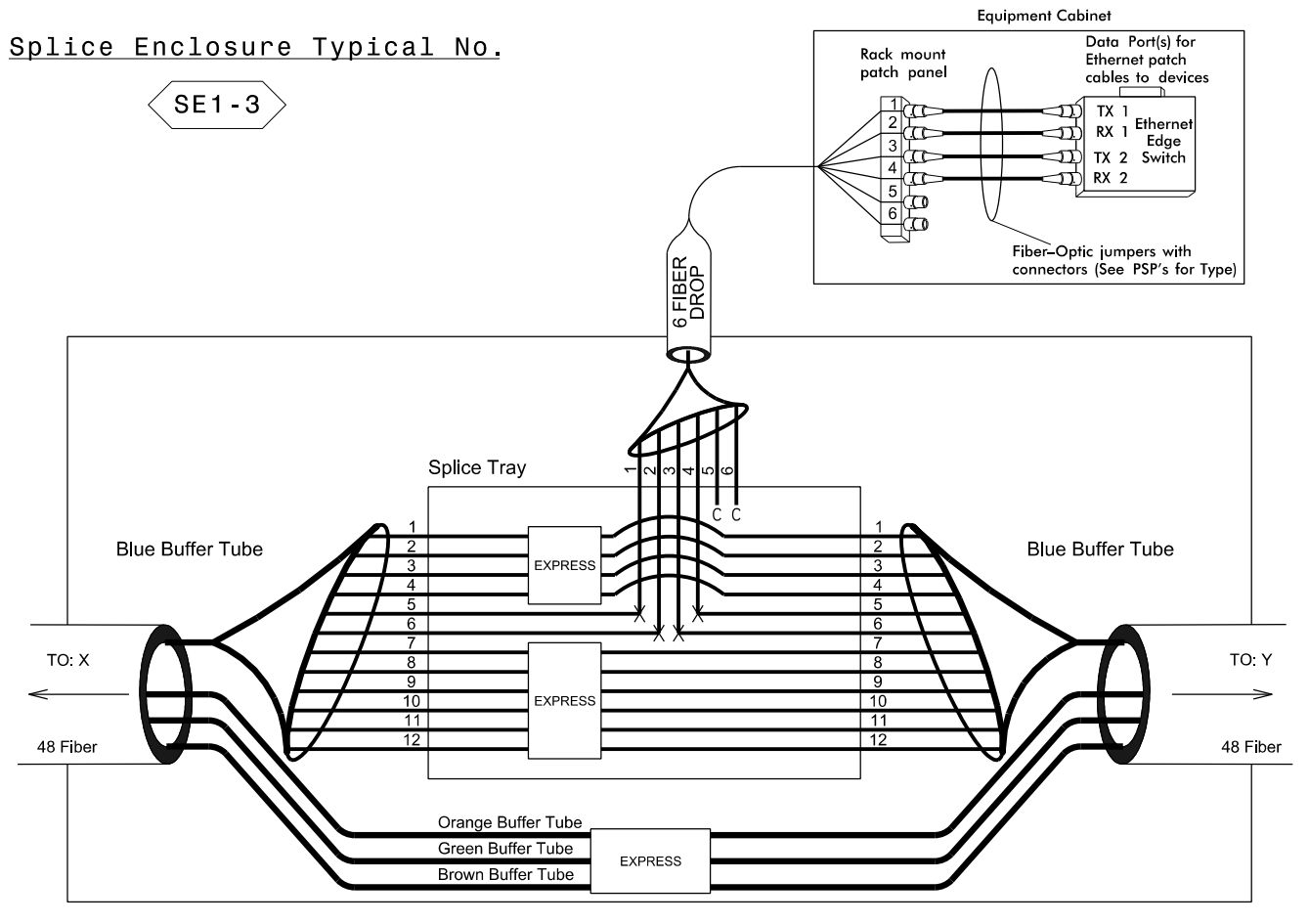
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		Division 10 Mecklenburg & Union Co. near Monroe PLAN DATE: September 2016 REVIEWED BY: JE Beck PREPARED BY: RD Nissen REVIEWED BY: LM Moon		MONROE EXPRESSWAY AS-BUILT ITS PLANS
SCALE	NTS	REVISIONS	INIT. DATE	
				DATE
				CADD Filename:

Splice Enclosure Typical No.

SE1-3



Splice Enclosure Typical No. SE1-3

Device ID	CM Sheet	To	To
		X	Y
DMS-1/DMS-2	CM-04	CCTV-01 & VDS-01/VDS-02	VDS-03
VDS-03	CM-06	DMS-1/DMS-2	VDS-A2/VDS-04
VDS-A2/VDS-04	CM-06	VDS-03	CCTV-02/VDS-05
CCTV-02/VDS-05	CM-08	VDS-A2/VDS-04	VDS-06
VDS-06	CM-08	CCTV-02/VDS-05	VDS-07
VDS-07	CM-09	VDS-06	VDS-8

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 ⚠ AS-BUILT CONSTRUCTION
 H.A. BADGETT 10/27/20

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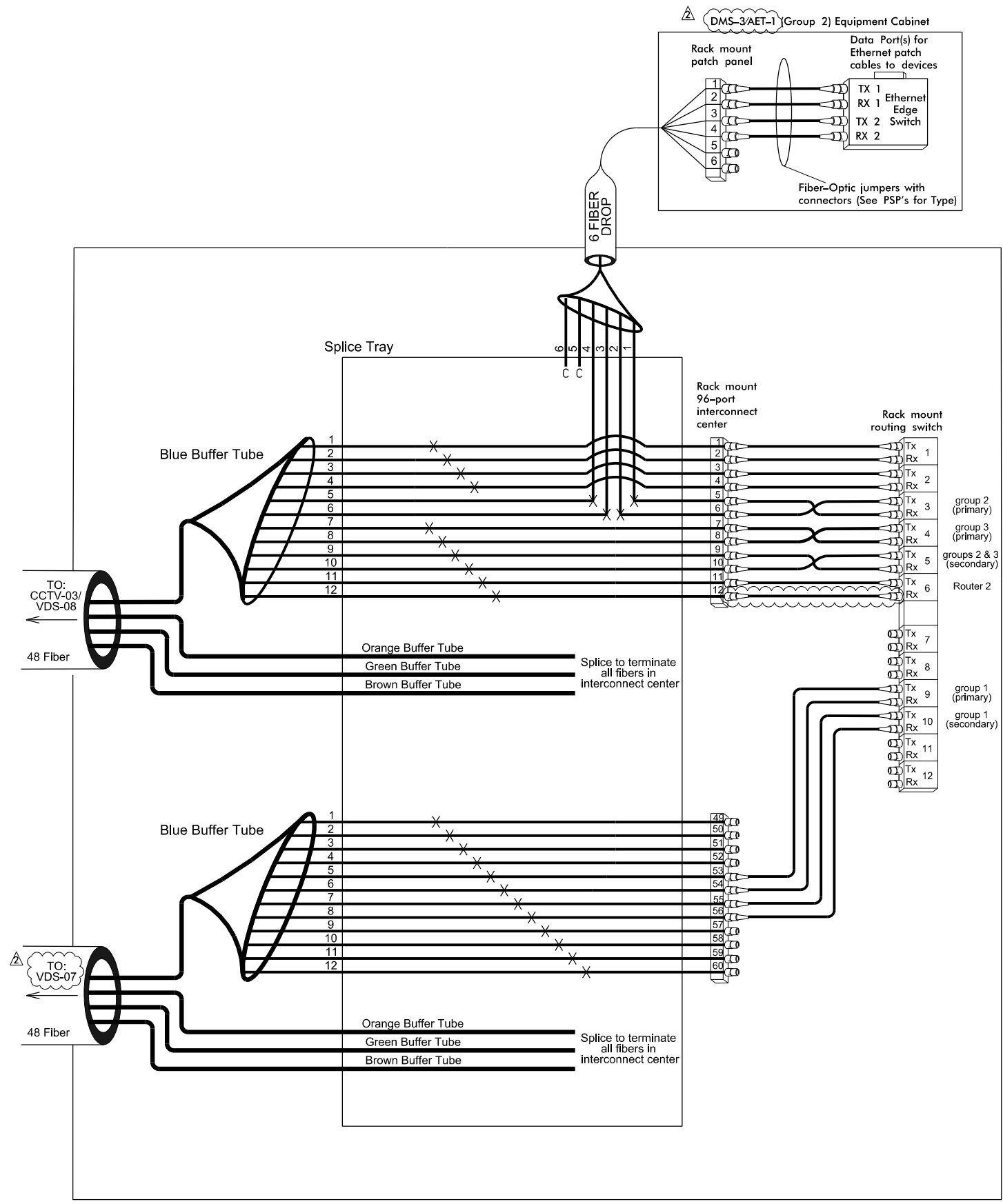
Color Code		LEGEND		NOTES	
TIA/EIA	598-B				
BL (1) Blue	RD (7) Red	X	= Fusion Splice Individual Fiber	1.	Unused fibers left coiled and stored in splice tray.
OR (2) Orange	BK (8) Black	C	= Cap and Seal	2.	Unused buffer tubes left coiled and stored in splice enclosure.
GR (3) Green	YL (9) Yellow	EXPRESS	= Express entire buffer tube/fibers through without cutting	3.	Edge switch configurations are generic. Contractor is responsible for determining/ensuring the proper terminations.
BR (4) Brown	VI (10) Violet	BUFFER SPLICE	= Splice all fibers in buffer tube color to color		
SL (5) Slate	RS (11) Rose				
WH (6) White	AQ (12) Aqua				

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		Monroe Bypass - ITS Plans Fiber Splice Details	
Division 10 Mecklenburg & Union Co. near Monroe		MONROE EXPRESSWAY AS-BUILT ITS PLANS	
PLAN DATE: September 2016	REVIEWED BY: JE Beck		
PREPARED BY: RD Nissen	REVIEWED BY: LM Moon		
SCALE	REVISIONS	INIT.	DATE
NTS			
CADD Filename:		DATE	

Splice in Vault No.

SV-2

See : CM-10



Inside AET Vault 1

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LEGEND

Color Code		
TIA/EIA	598-B	
BL (1) Blue	RD (7) Red	X = Fusion Splice Individual Fiber
OR (2) Orange	BK (8) Black	C = Cap and Seal
GR (3) Green	YL (9) Yellow	EXPRESS = Express entire buffer tube/fibers through without cutting
BR (4) Brown	VI (10) Violet	BUFFER SPLICE = Splice all fibers in buffer tube color to color
SL (5) Slate	RS (11) Rose	
WH (6) White	AQ (12) Aqua	

NOTES

- Unused fibers left coiled and stored in splice tray.
- Unused buffer tubes left coiled and stored in splice enclosure.
- Edge switch configurations are generic. Contractor is responsible for determining/ensuring the proper terminations.

Prepared for the Offices of:

Turnpike Authority

Monroe Bypass - ITS Plans
Fiber Splice Details

Division 10 Mecklenburg & Union Co. near Monroe

PLAN DATE: September 2016 REVIEWED BY: JE Beck

PREPARED BY: RD Nissen REVIEWED BY: LM Moon

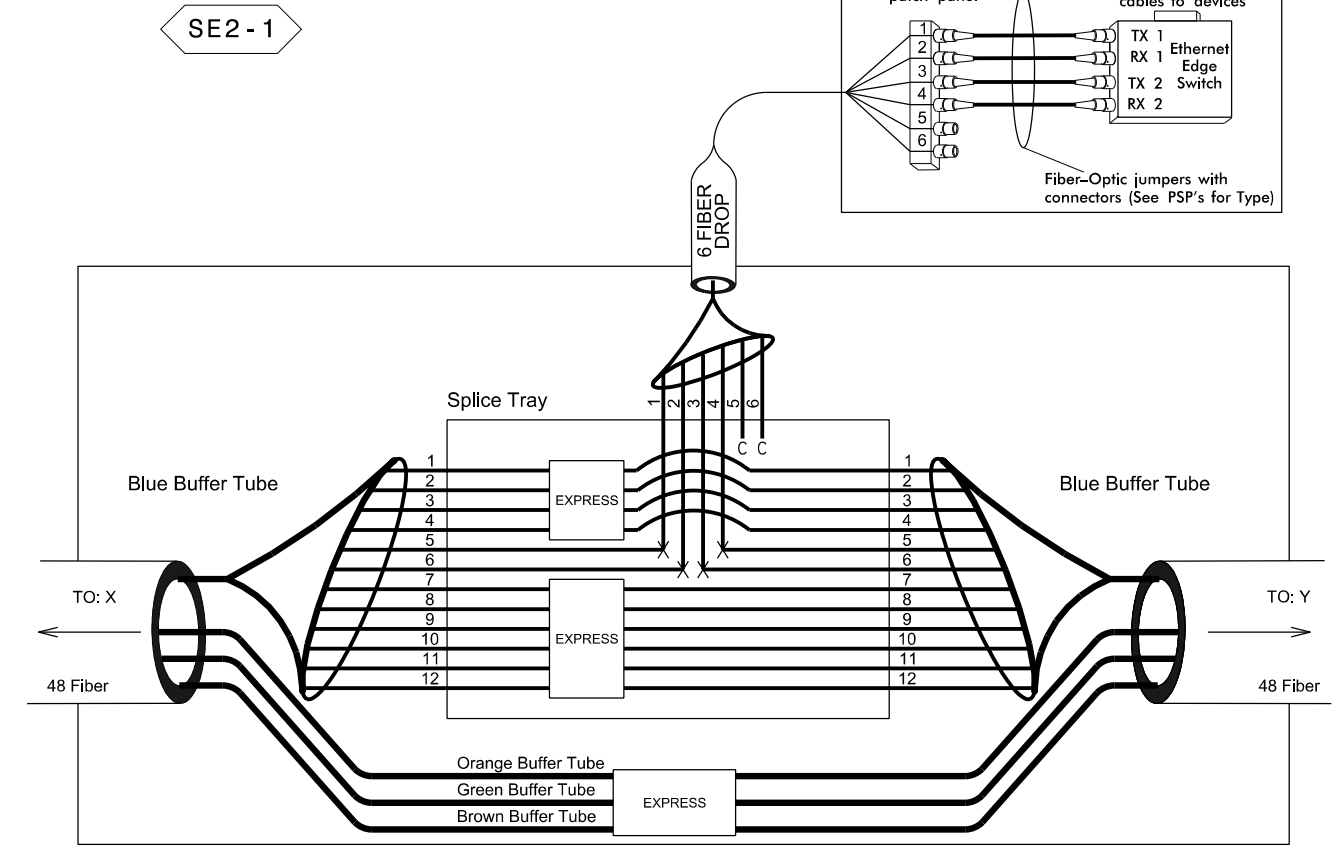
REVISIONS	INIT.	DATE

SCALE: NTS

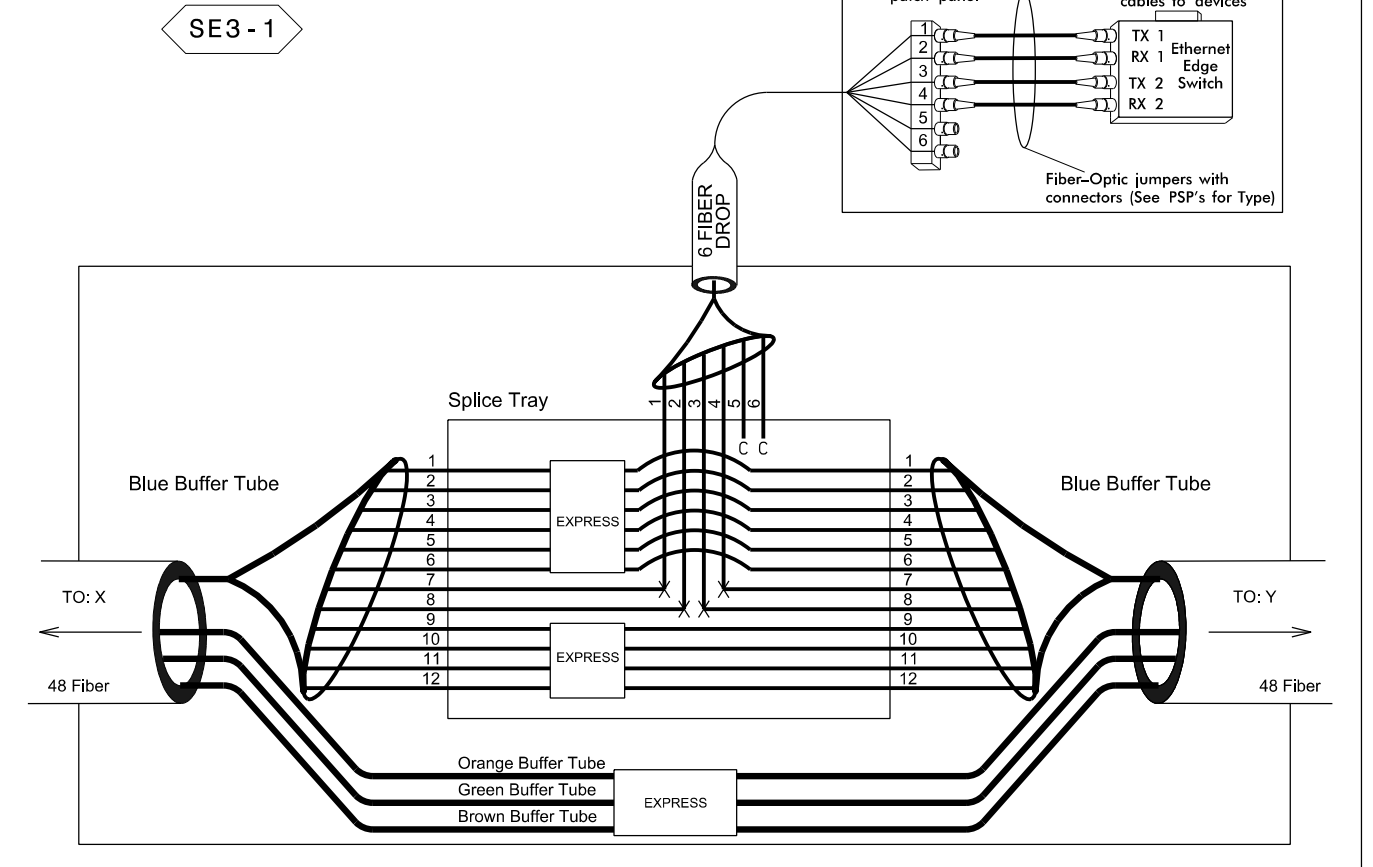
SEAL: MONROE EXPRESSWAY AS-BUILT ITS PLANS

CADD File name: _____ DATE: _____

Splice Enclosure Typical No. SE2-1



Splice Enclosure Typical No. SE3-1



Splice Enclosure Typical No. SE2-1

Device ID	CM Sheet	To	
		X	Y
CCTV-03/VDS-08	CM-11	AET-1 vault (inside) & DMS-3/AET-1	VDS-09/VDS-10, VDS-11/VDS-12, & CCTV-04
CCTV-05/VDS-13	CM-18	VDS-09/VDS-10, VDS-11/VDS-12, & CCTV-04	DMS-4/AET-2
DMS-4/AET-2	CM-20	CCTV-05/VDS-13	CCTV-06/VDS-14
VDS-15/VDS-16	CM-22	CCTV-06/VDS-14	CCTV-07
CCTV-07	CM-23	VDS-15/VDS-16	VDS-17/VDS-18
VDS-17/VDS-18	CM-24	CCTV-07	CCTV-08/VDS-19
VDS-20	CM-27	CCTV-08/VDS-19	CCTV-09 & VDS-21/VDS-24
CCTV-10/VDS-25	CM-33	VDS-22/VDS-23	AET-4 vault (outside)

Splice Enclosure Typical No. SE3-1

Device ID	CM Sheet	To	
		X	Y
CCTV-06/VDS-14	CM-21	DMS-4/AET-2	VDS-15/VDS-16
CCTV-08/VDS-19	CM-26	VDS-17/VDS-18	VDS-20
VDS-22/VDS-23	CM-29/30	CCTV-09 & VDS-21/VDS-24	CCTV-10/VDS-25

⚠ THESE PLANS WERE ORIGINALLY SIGNED AND SEALED BY LISA MOON, PE 12/7/16.

⚠ AS-BUILT CONSTRUCTION H.A. BADGETT 10/27/20

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LEGEND

Color Code TIA/EIA 598-B		X = Fusion Splice Individual Fiber
BL (1) Blue	RD (7) Red	C = Cap and Seal
OR (2) Orange	BK (8) Black	EXPRESS = Express entire buffer tube/fibers through without cutting
GR (3) Green	YL (9) Yellow	BUFFER SPlice = Splice all fibers in buffer tube color to color
BR (4) Brown	VI (10) Violet	
SL (5) Slate	RS (11) Rose	
WH (6) White	AQ (12) Aqua	

NOTES

- Unused fibers left coiled and stored in splice tray.
- Unused buffer tubes left coiled and stored in splice enclosure.
- Edge switch configurations are generic. Contractor is responsible for determining/ensuring the proper terminations.

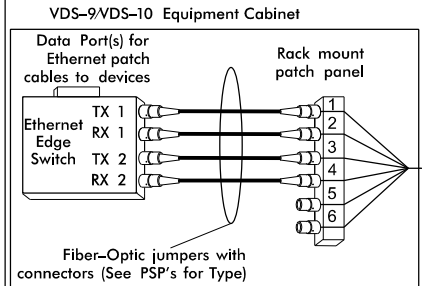
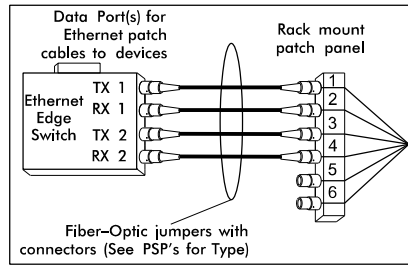
Prepared for the Offices of: TURNPIKE AUTHORITY		Monroe Bypass - ITS Plans Fiber Splice Details		SEAL
Division 10 Mecklenburg & Union Co. near Monroe		PLAN DATE: September 2016 REVIEWED BY: JE Beck		MONROE EXPRESSWAY AS-BUILT ITS PLANS
PREPARED BY: RD Nissen REVIEWED BY: LM Moon		REVISIONS INIT. DATE		
SCALE	NTS			CADD Filename: _____

Splice Enclosure No.

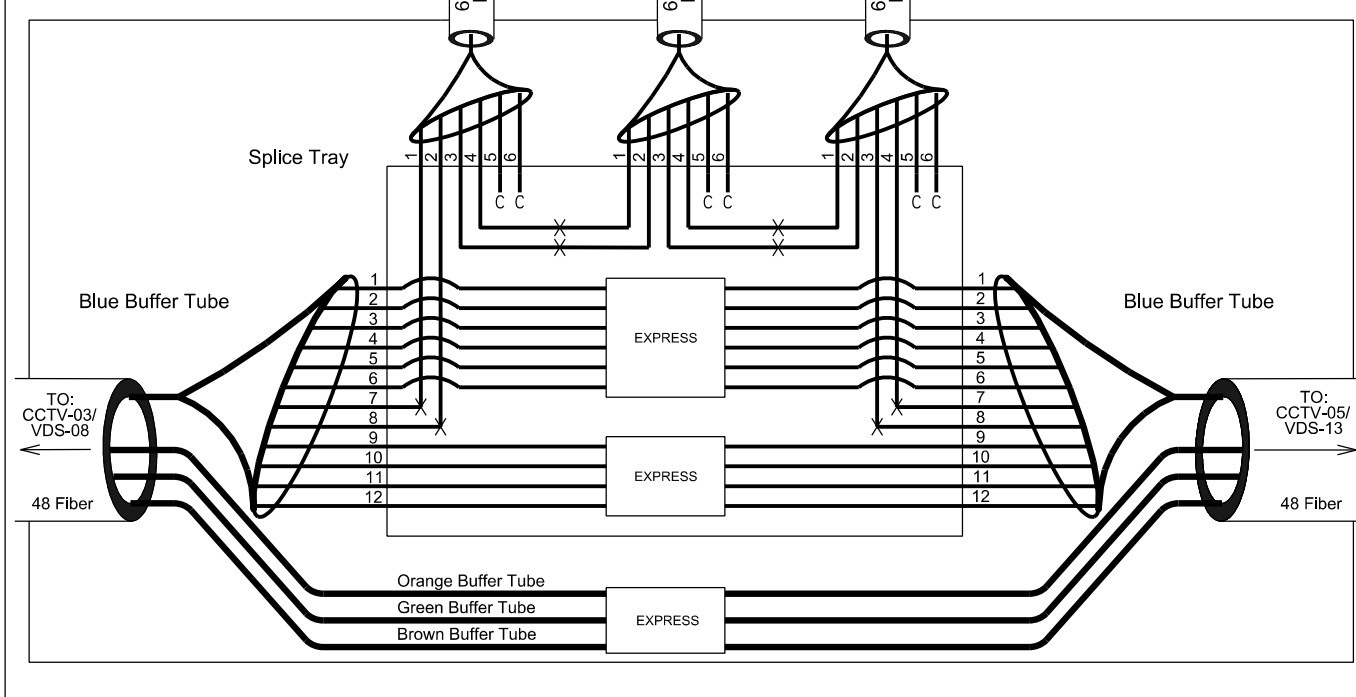
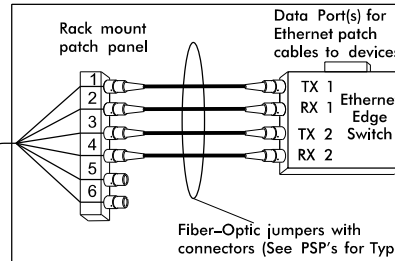
SE3-2

See : CM-14 & CM-15

VDS-11/VDS-12 Equipment Cabinet



CCTV-04 Equipment Cabinet

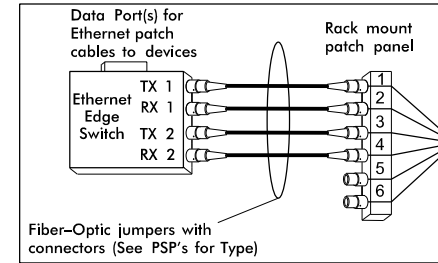


Splice Enclosure No.

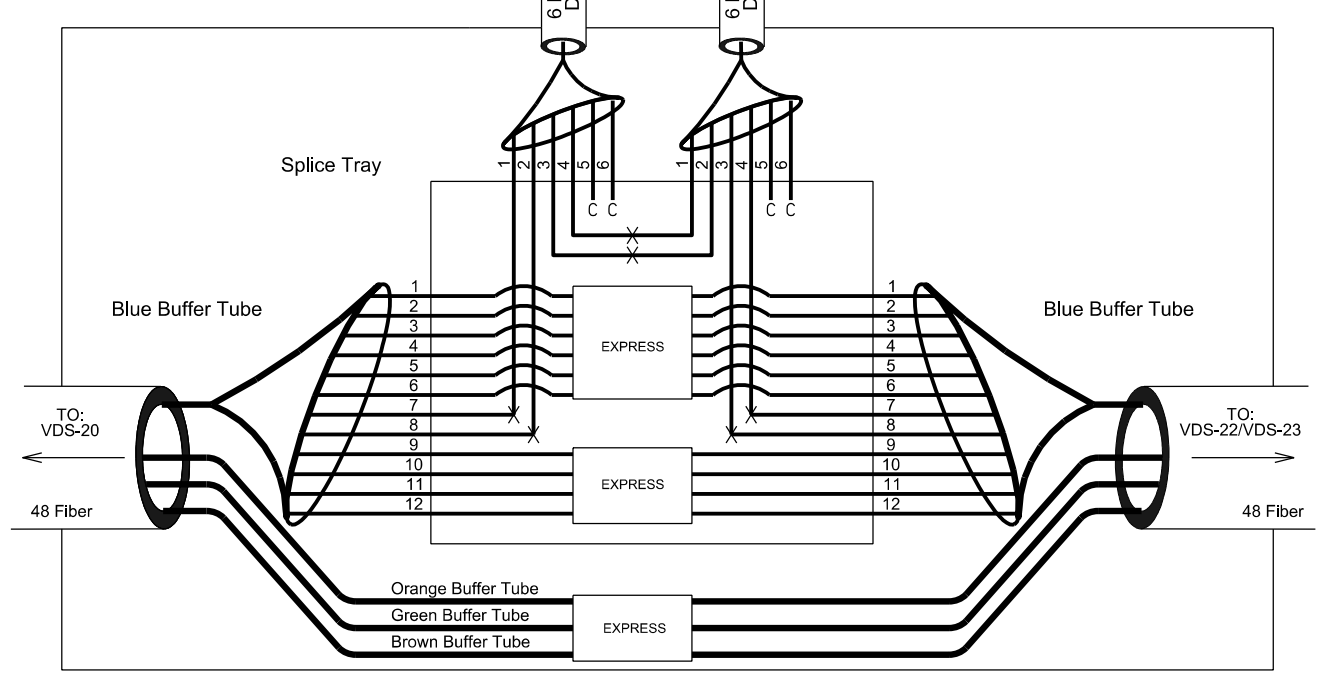
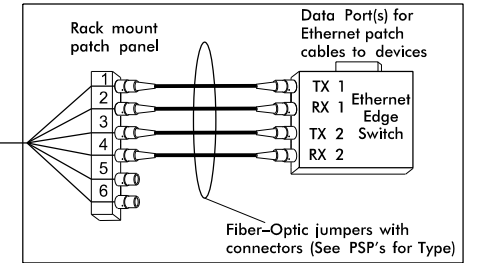
SE3-3

See : CM-29/CM-30

CCTV-09 Equipment Cabinet



VDS-21/VDS-24 Equipment Cabinet



LEGEND

Color Code		TIA/EIA 598-B	
BL	(1) Blue	RD	(7) Red
OR	(2) Orange	BK	(8) Black
GR	(3) Green	YL	(9) Yellow
BR	(4) Brown	VI	(10) Violet
SL	(5) Slate	RS	(11) Rose
WH	(6) White	AQ	(12) Aqua

X = Fusion Splice Individual Fiber
 C = Cap and Seal
 EXPRESS = Express entire buffer tube/fibers through without cutting
 BUFFER SPLICE = Splice all fibers in buffer tube color to color

NOTES

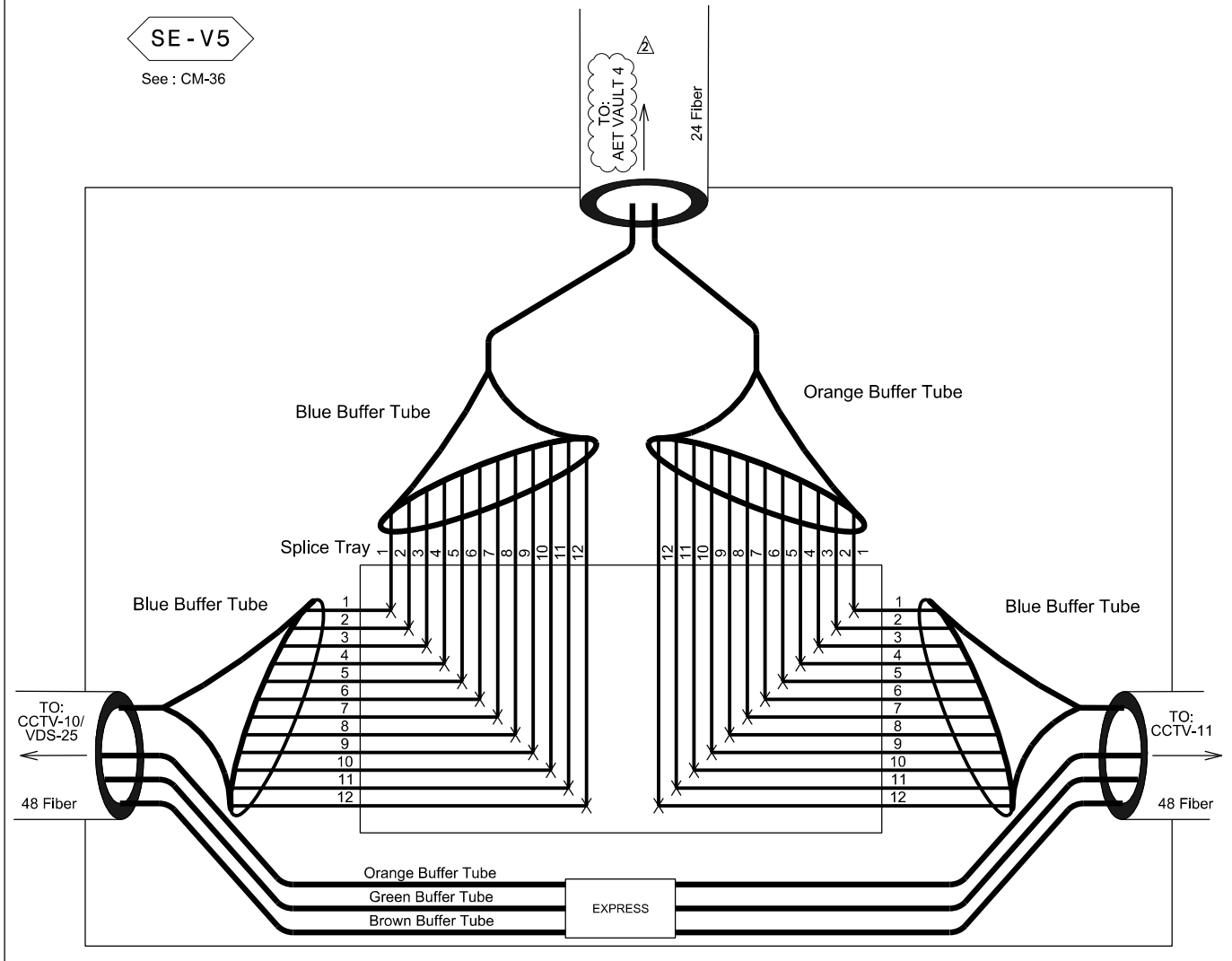
- Unused fibers left coiled and stored in splice tray.
- Unused buffer tubes left coiled and stored in splice enclosure.
- Edge switch configurations are generic. Contractor is responsible for determining/ensuring the proper terminations.

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		SEAL MONROE EXPRESSWAY AS-BUILT ITS PLANS	
Prepared for the Offices of: Monroe Bypass - ITS Plans Fiber Splice Details			
Division 10 Mecklenburg & Union Co. near Monroe			
PLAN DATE: September 2016		REVIEWED BY: JE Beck	
PREPARED BY: RD Nissen		REVIEWED BY: LM Moon	
SCALE	NTS	REVISIONS	INIT. DATE
			DATE
CADD Filename:			

Splice Enclosure by Vault No.

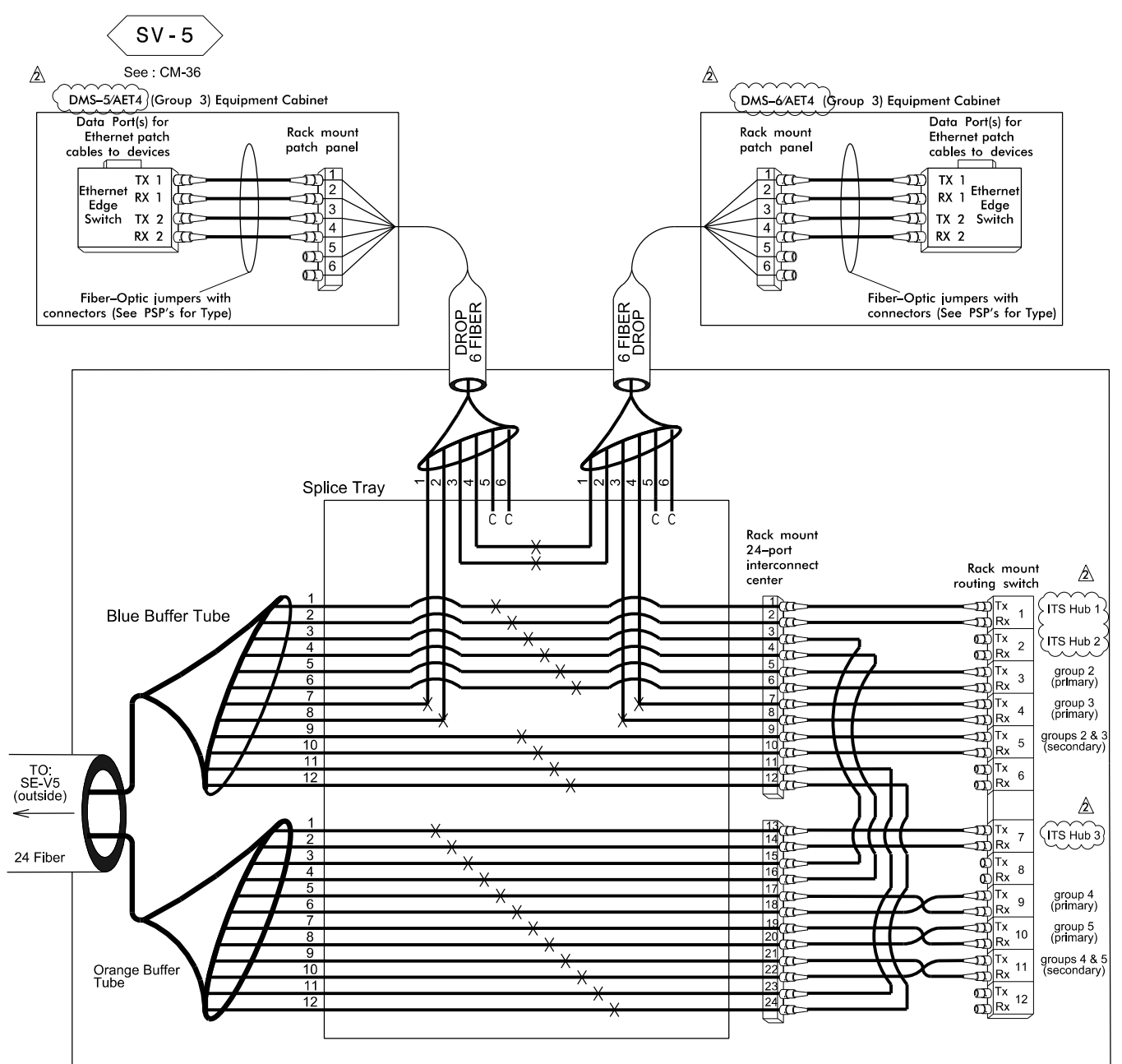
SE-V5
See : CM-36



Outside AET Vault 4 at trunk line

Splice in Vault No.

SV-5
See : CM-36



Inside AET Vault 4

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△ AS-BUILT CONSTRUCTION H.A. BADGETT 10/27/20

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Color Code		LEGEND		NOTES	
TIA/EIA	598-B				
BL (1) Blue	RD (7) Red	X	= Fusion Splice Individual Fiber	1.	Unused fibers left coiled and stored in splice tray.
OR (2) Orange	BK (8) Black	C	= Cap and Seal	2.	Unused buffer tubes left coiled and stored in splice enclosure.
GR (3) Green	YL (9) Yellow	EXPRESS	= Express entire buffer tube/fibers through without cutting	3.	Edge switch configurations are generic. Contractor is responsible for determining/ensuring the proper terminations.
BR (4) Brown	VI (10) Violet	BUFFER SPLICE	= Splice all fibers in buffer tube color to color		
SL (5) Slate	RS (11) Rose				
WH (6) White	AQ (12) Aqua				

Prepared for the Offices of:

Turnpike Authority

Monroe Bypass - ITS Plans
Fiber Splice Details

Division 10 Mecklenburg & Union Co. near Monroe

PLAN DATE: September 2016 REVIEWED BY: JE Beck

PREPARED BY: RD Nissen REVIEWED BY: LM Moon

REVISIONS	INIT.	DATE

SCALE: NTS

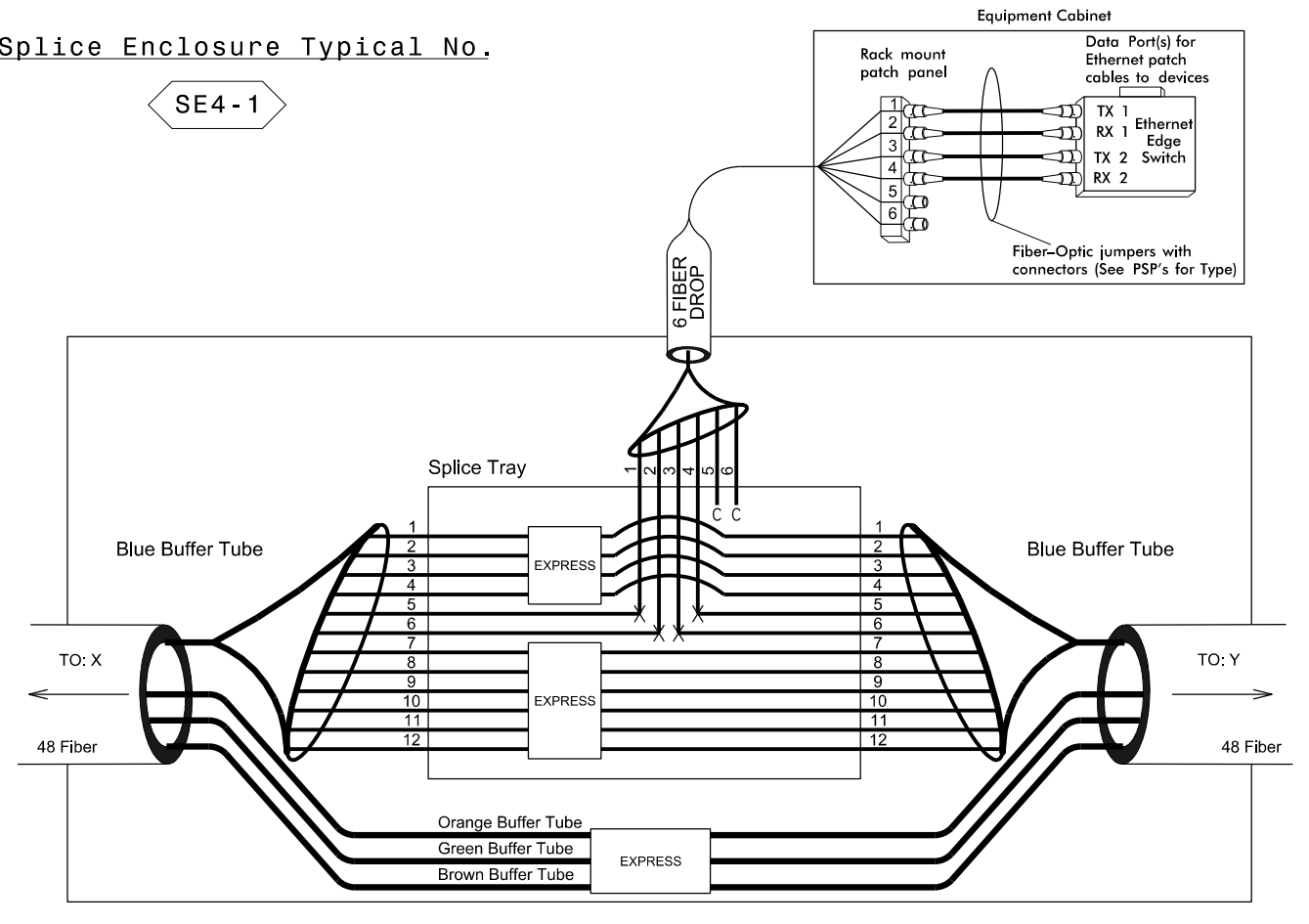
SEAL

MONROE EXPRESSWAY AS-BUILT ITS PLANS

CADD Filename: _____

Splice Enclosure Typical No.

SE4-1

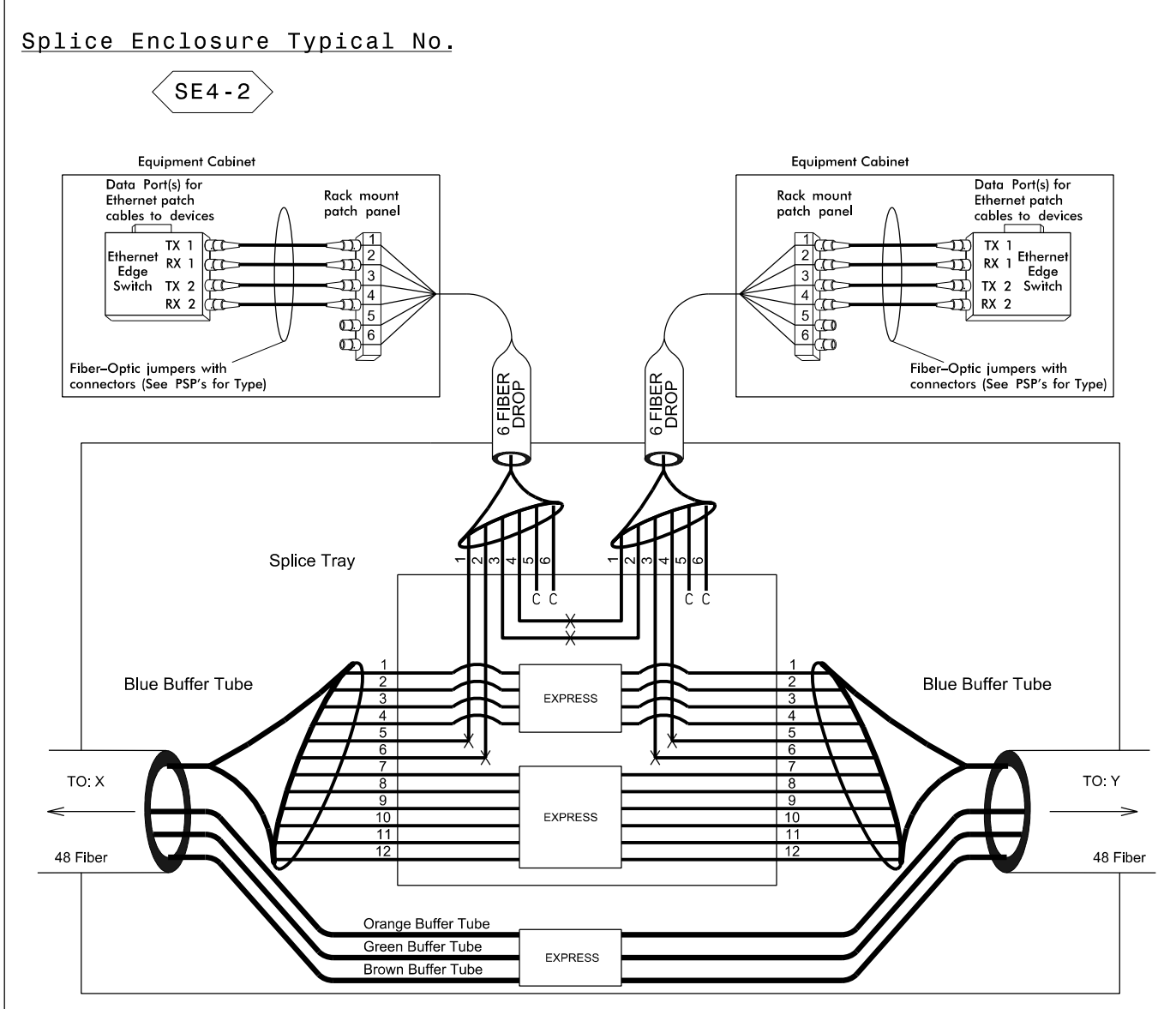


Splice Enclosure Typical No. SE4-1

Device ID	CM Sheet	To	
		X	Y
CCTV-11	CM-37	⚠ AET-4 Vault (Outside)	CCTV-12/VDS-26
CCTV-13	CM-43	CCTV-12/VDS-26	VDS-27/VDS-29 & VDS-28
VDS-33	CM-51	⚠ DMS-7/AET-5/CCTV-15	CCTV-16
CCTV-17/VDS-38	CM-57	VDS-34/VDS-35 & VDS-36/VDS-37	⚠ DMS-8/AET-6
CCTV-18	CM-61	⚠ DMS-8/AET-6	CCTV-19/VDS-39
CCTV-20	CM-69	VDS-40/VDS-41 & VDS-42/VDS-43	⚠ CCTV-21
CCTV-22/VDS-44	CM-74	CCTV-21	⚠ AET-7 Vault (inside) & CCTV-23 & DMS-9/AET-7

Splice Enclosure Typical No.

SE4-2



Splice Enclosure Typical No. SE4-2

Device ID	CM Sheet	To	
		X	Y
⚠ DMS-7/AET-5 & CCTV-15	CM-49	VDS-32	VDS-33
VDS-34/VDS-35 & VDS-36/VDS-37	CM-53/54	CCTV-16	CCTV-17/VDS-38

⚠ THESE PLANS WERE ORIGINALLY SIGNED AND SEALED BY LISA MOON, PE 12/7/16.
 ⚠ AS-BUILT CONSTRUCTION H.A. BADGETT 10/27/20

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LEGEND

Color Code		TIA/EIA 598-B	
BL (1) Blue	RD (7) Red	OR (2) Orange	BK (8) Black
GR (3) Green	YL (9) Yellow	BR (4) Brown	VI (10) Violet
SL (5) Slate	RS (11) Rose	WH (6) White	AQ (12) Aqua

X = Fusion Splice Individual Fiber
 C = Cap and Seal
 EXPRESS = Express entire buffer tube/fibers through without cutting
 BUFFER SPlice = Splice all fibers in buffer tube color to color

- NOTES**
- Unused fibers left coiled and stored in splice tray.
 - Unused buffer tubes left coiled and stored in splice enclosure.
 - Edge switch configurations are generic. Contractor is responsible for determining/ensuring the proper terminations.

Prepared for the Offices of:

Monroe Bypass - ITS Plans
Fiber Splice Details

Division 10 Mecklenburg & Union Co. near Monroe

PLAN DATE: September 2016 REVIEWED BY: JE Beck
 PREPARED BY: RD Nissen REVIEWED BY: LM Moon

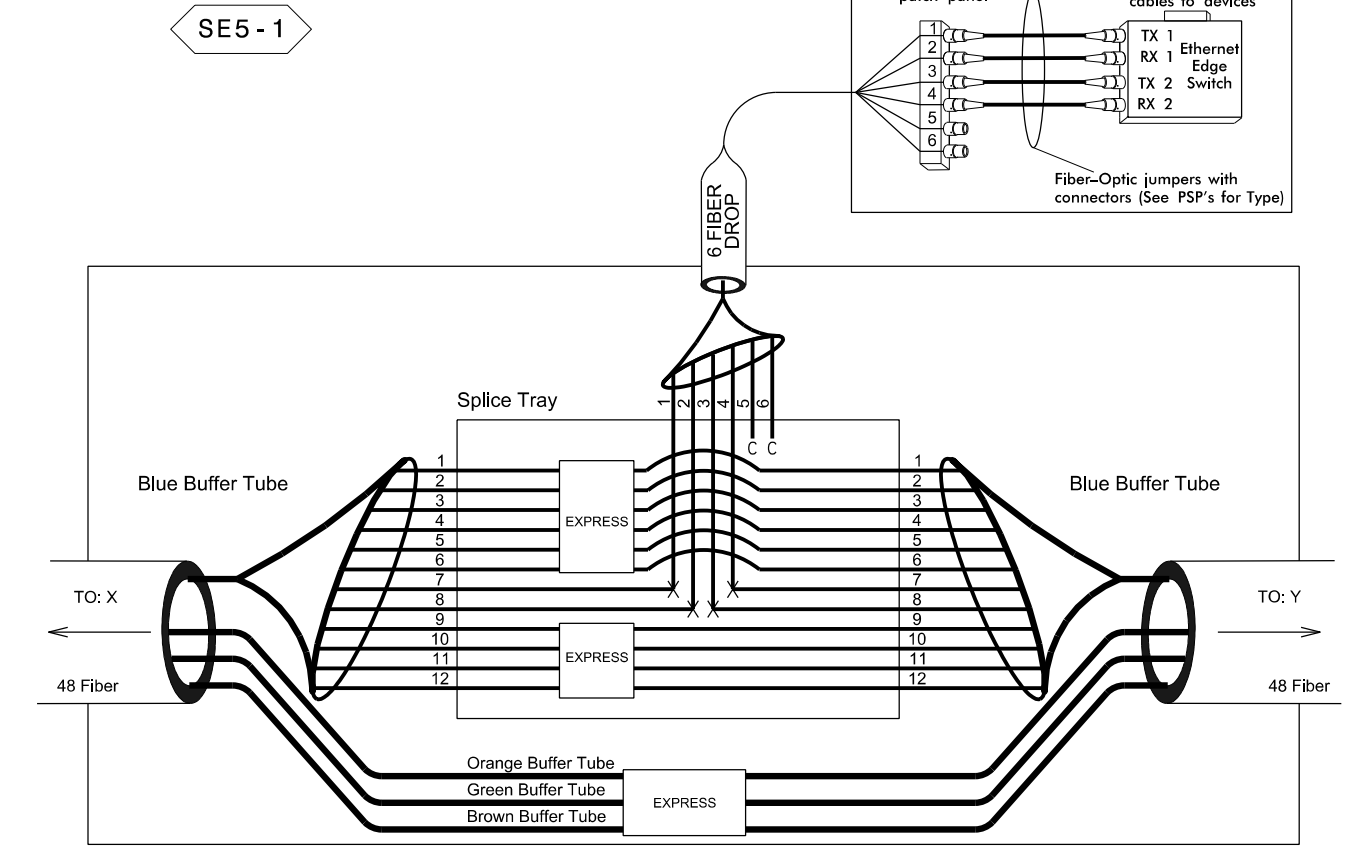
REVISIONS	INIT.	DATE

SCALE: NTS

SEAL: MONROE EXPRESSWAY AS-BUILT ITS PLANS

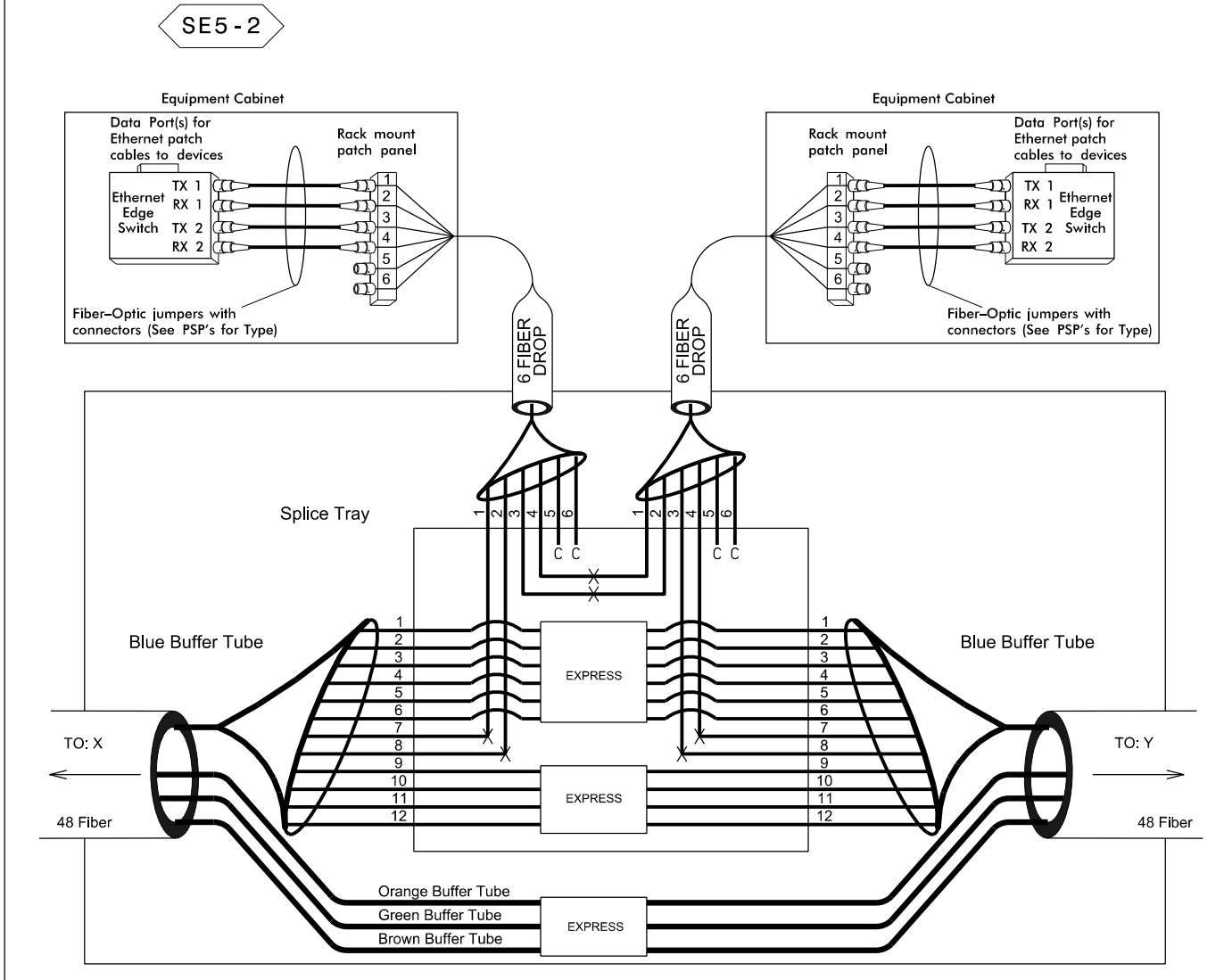
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Splice Enclosure Typical No. SE5-1



Splice Enclosure Typical No. SE5-1			
Device ID	CM Sheet	To	To
		X	Y
CCTV-12/VDS-26	CM-40	CCTV-11	CCTV-13
VDS-32	CM-48	CCTV-14 & VDS-30/VDS-31	CCTV-15 & DMS-AET6
CCTV-16	CM-54	VDS-33	VDS-34/VDS-35 & VDS-36/VDS-37
DMS-8/AET-6	CM-60	CCTV-17/VDS-38	CCTV-18
CCTV-19/VDS-39	CM-65	CCTV-18	VDS-40/VDS-41 & VDS-42/VDS-43
CCTV-21	CM-72	CCTV-20	CCTV-22/VDS-44

Splice Enclosure Typical No. SE5-2



Splice Enclosure Typical No. SE5-2			
Device ID	CM Sheet	To	To
		X	Y
VDS-27/VDS-29 & VDS-28	CM-44/45/46	CCTV-13	CCTV-14 & VDS-30/VDS-31
CCTV-14 & VDS-30/VDS-31	CM-45/46/47	VDS-27/VDS-29 & VDS-28	VDS-32
VDS-40/VDS-41 & VDS-42/VDS-43	CM-68	CCTV-19/VDS-39	CCTV-20

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 AS-BUILT CONSTRUCTION
H.A. BADGETT 10/27/20

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LEGEND

Color Code	
TIA/EIA	598-B
BL (1) Blue	RD (7) Red
OR (2) Orange	BK (8) Black
GR (3) Green	YL (9) Yellow
BR (4) Brown	VI (10) Violet
SL (5) Slate	RS (11) Rose
WH (6) White	AQ (12) Aqua

X = Fusion Splice Individual Fiber
C = Cap and Seal
EXPRESS = Express entire buffer tube/fibers through without cutting
BUFFER SPLICE = Splice all fibers in buffer tube color to color

- NOTES**
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Prepared for the Offices of:

Monroe Bypass - ITS Plans
Fiber Splice Details

Division 10 Mecklenburg & Union Co. near Monroe
PLAN DATE: September 2016 REVIEWED BY: JE Beck
PREPARED BY: RD Nissen REVIEWED BY: LM Moon

REVISIONS	INIT.	DATE

SCALE: NTS

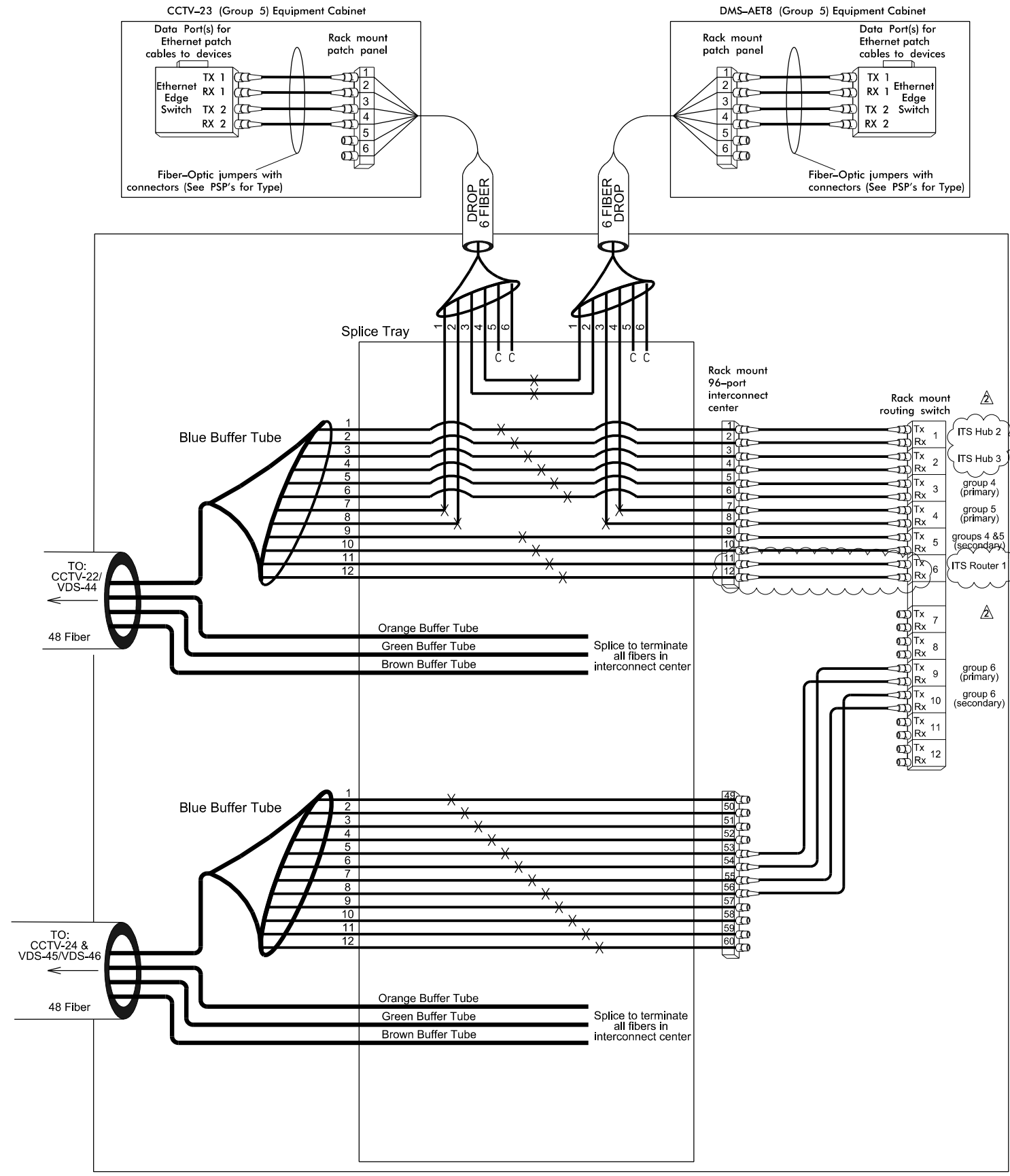
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CADD Filename: _____ DATE: _____

Splice in Vault No.

SV-8

See : CM-77



Inside AET Vault

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△ AS-BUILT CONSTRUCTION
H.A. BADGETT 10/27/20

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LEGEND

Color Code		
TIA/EIA	598-B	
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SL (5) Slate	RS (11) Rose	
WH (6) White	AQ (12) Aqua	

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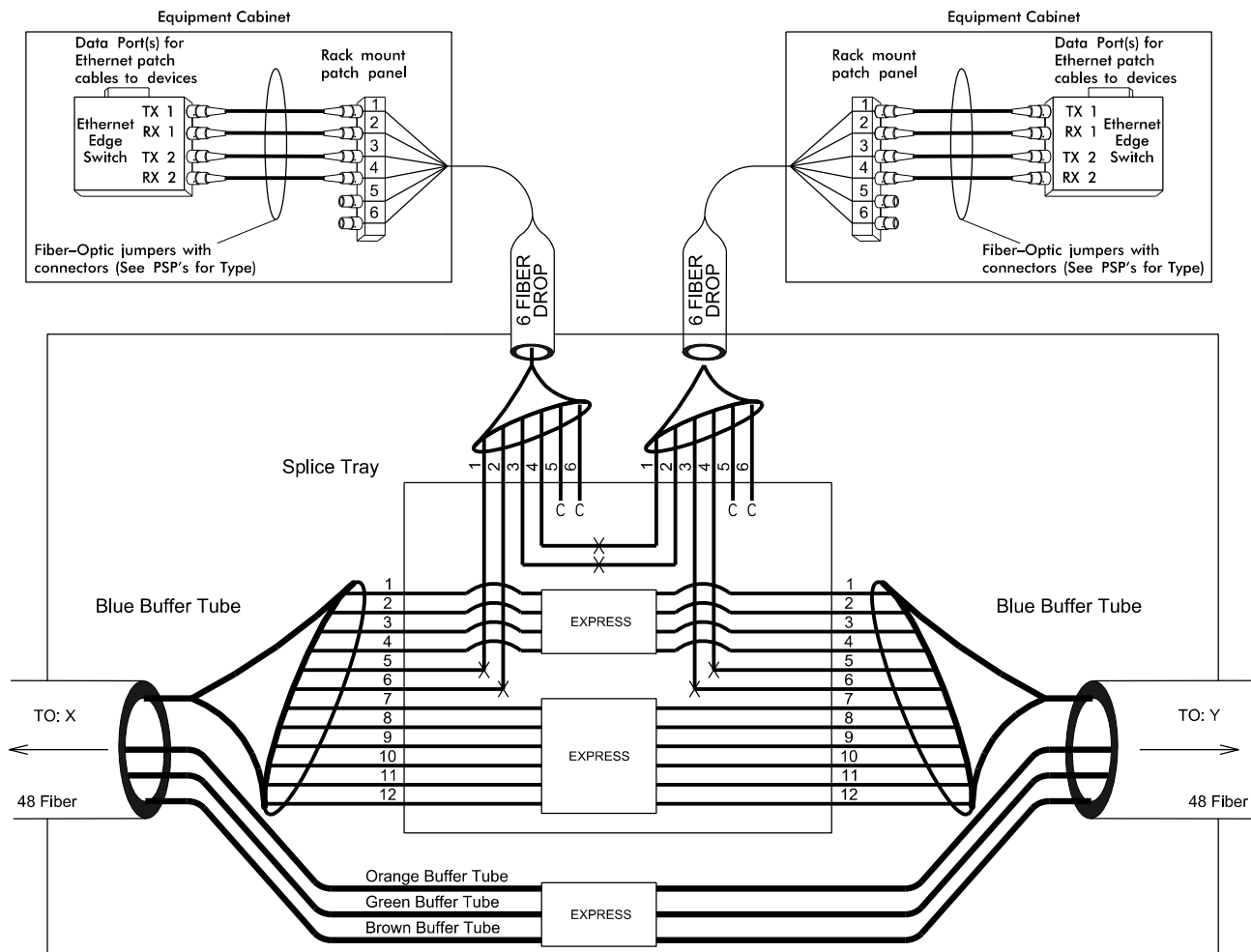
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Prepared for the Offices of:		SEAL	
		Monroe Bypass - ITS Plans Fiber Splice Details	
Division 10 Mecklenburg & Union Co. near Monroe			
PLAN DATE: September 2016		REVIEWED BY: JE Beck	
PREPARED BY: RD Nissen		REVIEWED BY: LM Moon	
SCALE	REVISIONS	INIT.	DATE
NTS			
			CADD Filename: _____

Splice Enclosure Typical No.

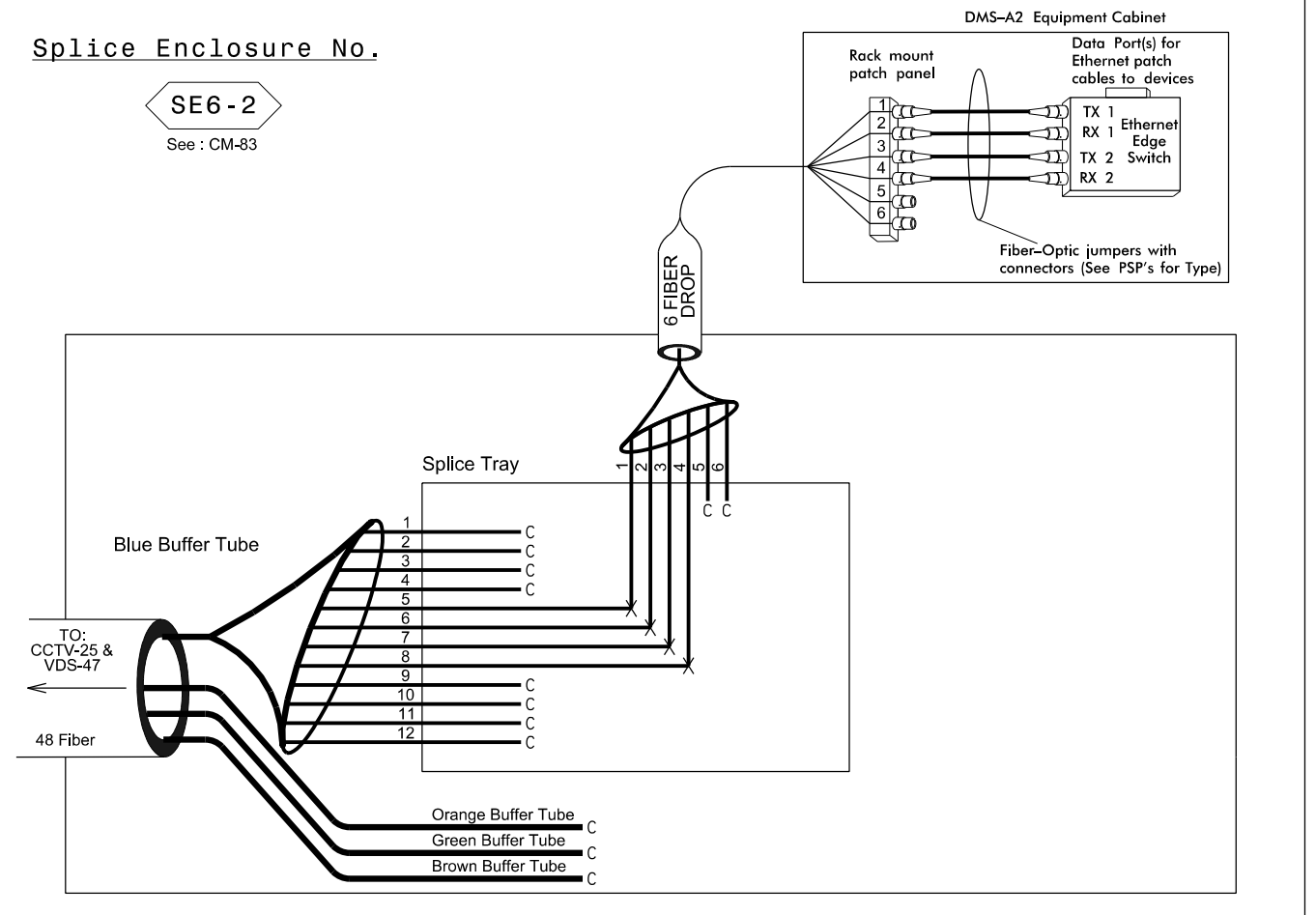
SE6-1



Splice Enclosure No.

SE6-2

See : CM-83



East End of Project

Splice Enclosure Typical No. SE6-1

Device ID	CM Sheet	To	To
		X	Y
CCTV-24/VDS-45 & VDS-46	CM-79	AET-7 Vault (inside) & DMS-9 & CCTV-23	CCTV-25 & VDS-47
CCTV-25 & VDS-47	CM-80	CCTV-24/VDS-45 & VDS-46	DMS-10 [⚠]

[⚠] THESE PLANS WERE ORIGINALLY SIGNED AND SEALED BY LISA MOON, PE 12/7/16.

[⚠] AS-BUILT CONSTRUCTION
H.A. BADGETT 10/27/20

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

LEGEND

Color Code		TIA/EIA 598-B	
BL (1) Blue	RD (7) Red	OR (2) Orange	BK (8) Black
GR (3) Green	YL (9) Yellow	BR (4) Brown	VI (10) Violet
SL (5) Slate	RS (11) Rose	WH (6) White	AQ (12) Aqua

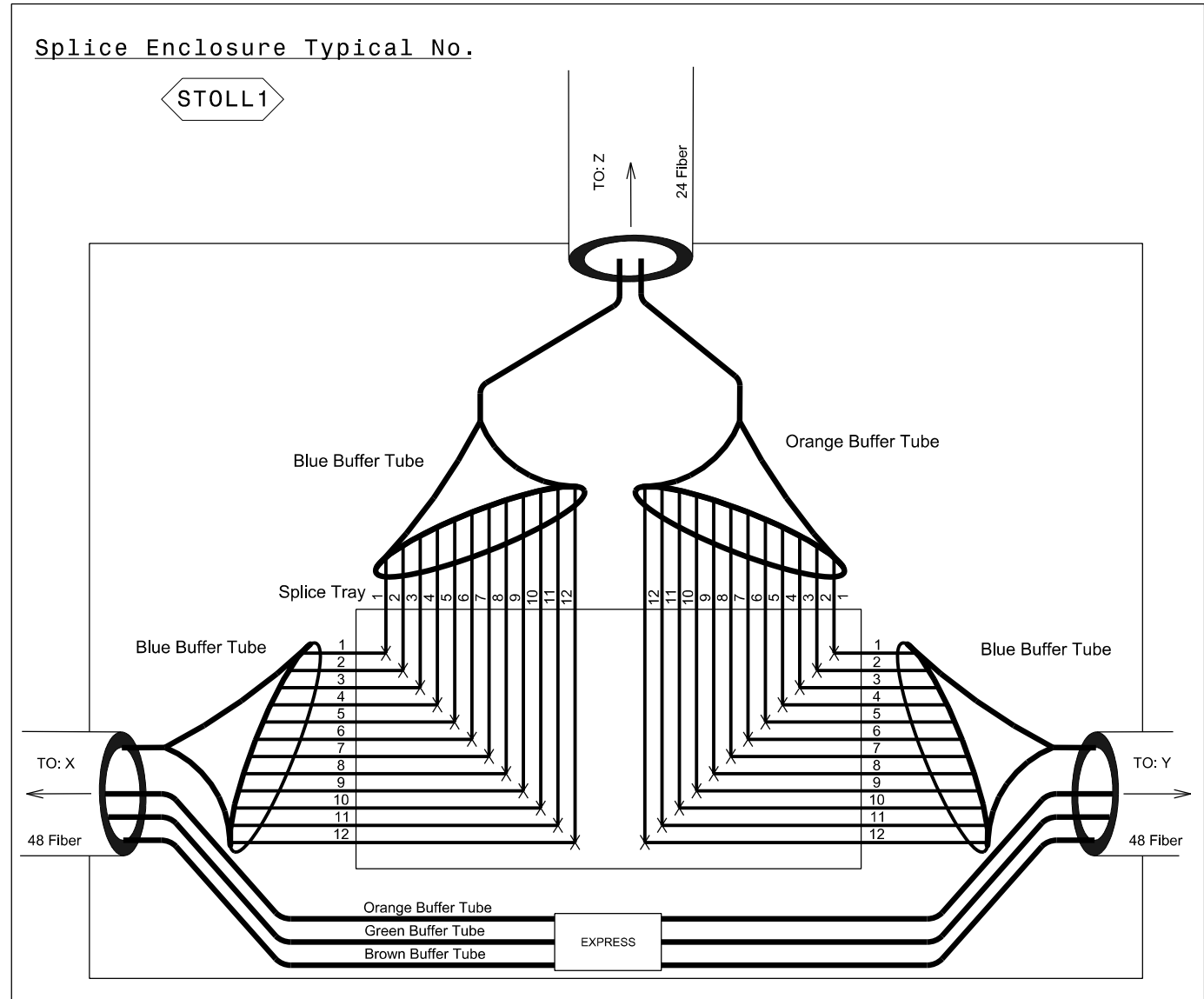
X = Fusion Splice Individual Fiber
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EXPRESS = Express entire buffer tube/fibers through without cutting
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NOTES

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- Unused buffer tubes left coiled and stored in splice enclosure.
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Prepared for the Offices of:		SEAL	
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Division 10 Mecklenburg & Union Co. near Monroe PLAN DATE: September 2016 REVIEWED BY: JE Beck		PREPARED BY: RD Nissen REVIEWED BY: LM Moon	
750 N. Greenfield Pkwy., Garner, NC 27529		REVISIONS: INIT. DATE	
SCALE: NTS		DATE: _____	
		CADD Filename: _____	



Splice Enclosure Typical No. STOLL1

Device ID	CM Sheet	Cable X	Cable Y	Cable Z
AET-2	CM-20	AET-1	AET-3	AET-2 vault
AET-3	CM-26	AET-2	AET-4	AET-3 vault
AET-4	CM-36	AET-3	AET-5	AET-4 vault
AET-5	CM-49	AET-4	AET-6	AET-5 vault
AET-6	CM-60	AET-5	AET-7	AET-6 Vault

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Color Code		LEGEND		NOTES	
TIA/EIA	598-B				
BL (1) Blue	RD (7) Red	X	= Fusion Splice Individual Fiber	1.	Unused fibers left coiled and stored in splice tray.
OR (2) Orange	BK (8) Black	C	= Cap and Seal	2.	Unused buffer tubes left coiled and stored in splice enclosure.
GR (3) Green	YL (9) Yellow	EXPRESS	= Express entire buffer tube/fibers through without cutting	3.	Edge switch configurations are generic. Contractor is responsible for determining/ensuring the proper terminations.
BR (4) Brown	VI (10) Violet	BUFFER SPLICE	= Splice all fibers in buffer tube color to color		
SL (5) Slate	RS (11) Rose				
WH (6) White	AQ (12) Aqua				

Prepared for the Offices of:		SEAL	
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Division 10 Mecklenburg & Union Co. near Monroe		MONROE EXPRESSWAY AS-BUILT ITS PLANS	
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SCALE	REVISIONS	INIT.	DATE
NTS			
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