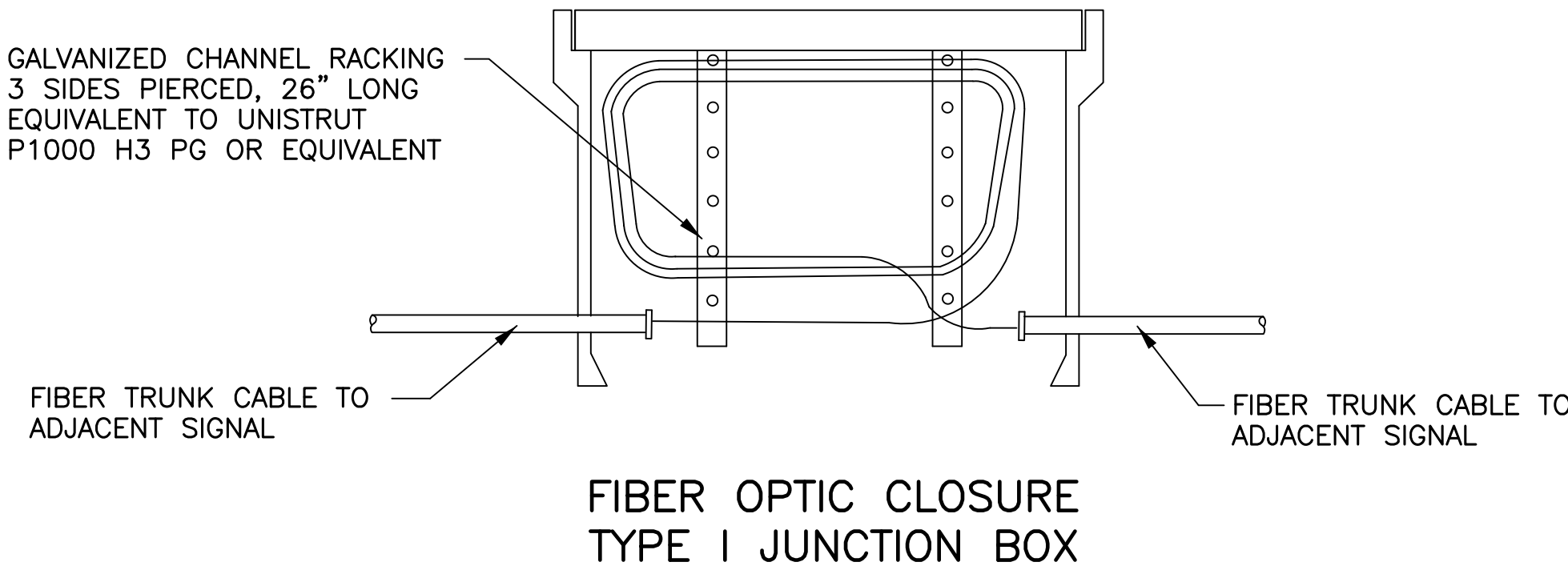


PROJECT NO.	SHEET

GENERAL NOTES

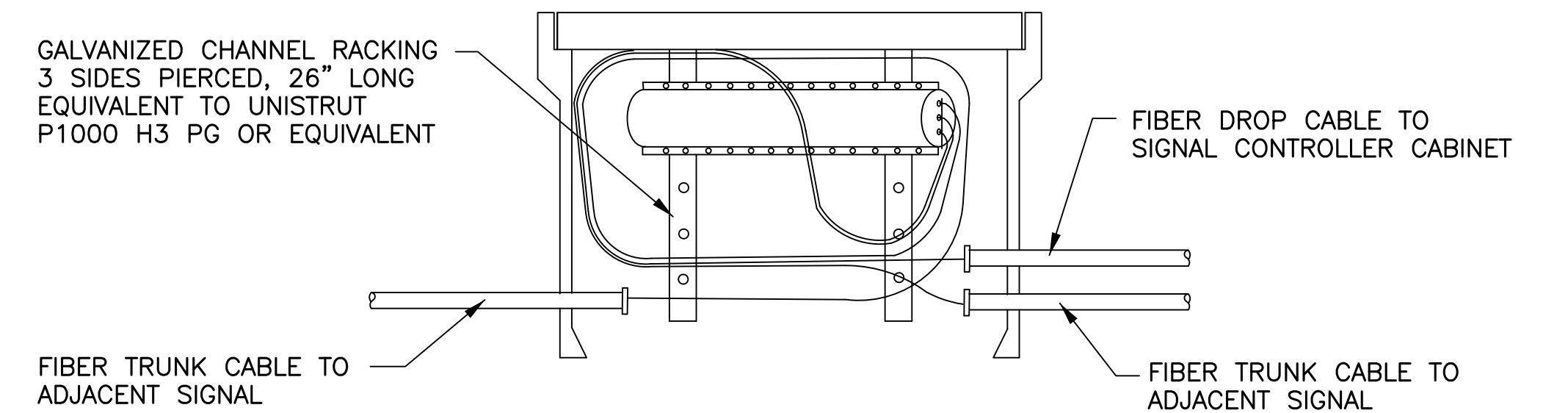
- (A) CONDUIT FOR FIBER OPTIC CABLE REQUIRED TO UTILIZE LARGE RADIUS BENDS (MINIMUM RADIUS 6") NO ELBOW JOINTS ALLOWED.
- (B) ALL TYPE "I" JUNCTION BOXES SHALL HAVE A MINIMUM OF 50 FEET OF SLACK CABLE.
- (C) ALL UNDERGROUND SPLICES SHALL BE PERFORMED IN A TYPE "J" JUNCTION BOX AND SHALL CONTAIN 100 FEET OF SLACK F/O CABLE FROM EACH REEL.
- (D) ALL CABINET SPLICES SHALL BE PERFORMED IN A TYPE "J" JUNCTION BOX AND SHALL CONTAIN 100 FEET OF SLACK CABLE FROM THE F/O TRUNK LINE AND 50 FEET OF SLACK FROM THE DROP CABLE.
- (E) ALL SPLICES TO BE FUSION UNLESS OTHERWISE NOTED.
- (F) FIBER OPTIC CABLE RUNS TO UTILIZE MIN. 2.00" HDPE CONDUIT.
- (G) TYPE "I" FIBER OPTIC JUNCTION BOXES ARE TO BE USED WHEN NO SPLICING IS REQUIRED.
- (H) TYPE "J" FIBER OPTIC JUNCTION BOXES ARE TO BE USED WHEN SPLICING IS REQUIRED.
- (I) BOX AND LID DESIGN TEST SHALL BE A MINIMUM OF 15,000/22500 LBS (TIER 15).

GALVANIZED CHANNEL RACKING
3 SIDES PIERCED, 26" LONG
EQUIVALENT TO UNISTRUT
P1000 H3 PG OR EQUIVALENT



FIBER OPTIC CLOSURE
TYPE I JUNCTION BOX

GALVANIZED CHANNEL RACKING
3 SIDES PIERCED, 26" LONG
EQUIVALENT TO UNISTRUT
P1000 H3 PG OR EQUIVALENT



FIBER OPTIC SPLICE CLOSURE
TYPE J JUNCTION BOX

NOTES:

- 1. SECURE CABLE SLACK AND CLOSURE TO CHANNEL RACKING VIA UV RESISTANT BLACK NYLON 120-LB (MIN.) TENSILE STRENGTH CABLE TIES.
- 2. MAINTAIN MINIMUM BEND RADIUS (ACCORDING TO MANUFACTURERS SPECIFICATIONS FOR CABLE AT REST) FOR LARGEST CABLE IN BUNDLE.
- 3. MAINTAIN 6" CLEARANCE BETWEEN TOP OF PULL BOX AND CABLE/ CLOSURE.
- 4. ROUTE CABLE EXITING CONDUIT AS TO NOT INTERFERE WITH FUTURE USE OF EMPTY CONDUIT.
- 5. CABLE SLACK SHALL NOT BE STORED ON THE FLOOR OF THE PULL BOX.

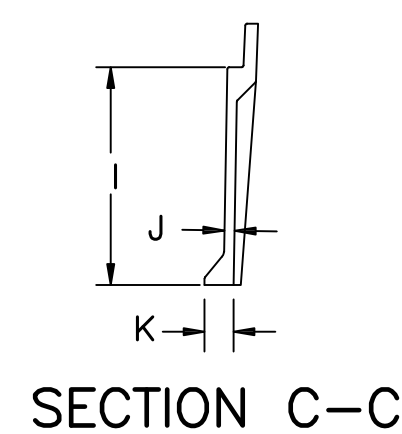
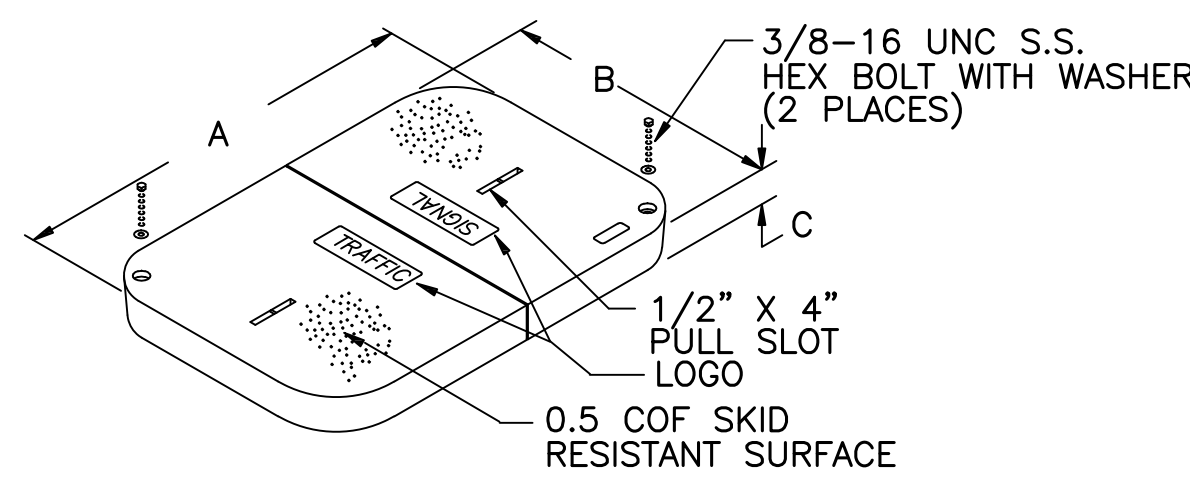
NOTES:

- 1. CABLES SHALL BE DRESSED IN A COMMON BUNDLE EVERY 3 FEET WITH UV RESISTANT NYLON CABLE TIES OR ELECTRICAL TAPE.
- 2. SECURE CABLE SLACK AND CLOSURE TO CHANNEL RACKING VIA UV RESISTANT BLACK NYLON 120-LB (MIN.) TENSILE STRENGTH CABLE TIES.
- 3. MAINTAIN MINIMUM BEND RADIUS (ACCORDING TO MANUFACTURERS SPECIFICATIONS FOR CABLE AT REST) FOR LARGEST CABLE IN BUNDLE.
- 4. MAINTAIN 6" CLEARANCE BETWEEN TOP OF PULL BOX AND CABLE/ CLOSURE.
- 5. ROUTE CABLE EXITING CONDUIT AS TO NOT INTERFERE WITH FUTURE USE OF EMPTY CONDUIT.

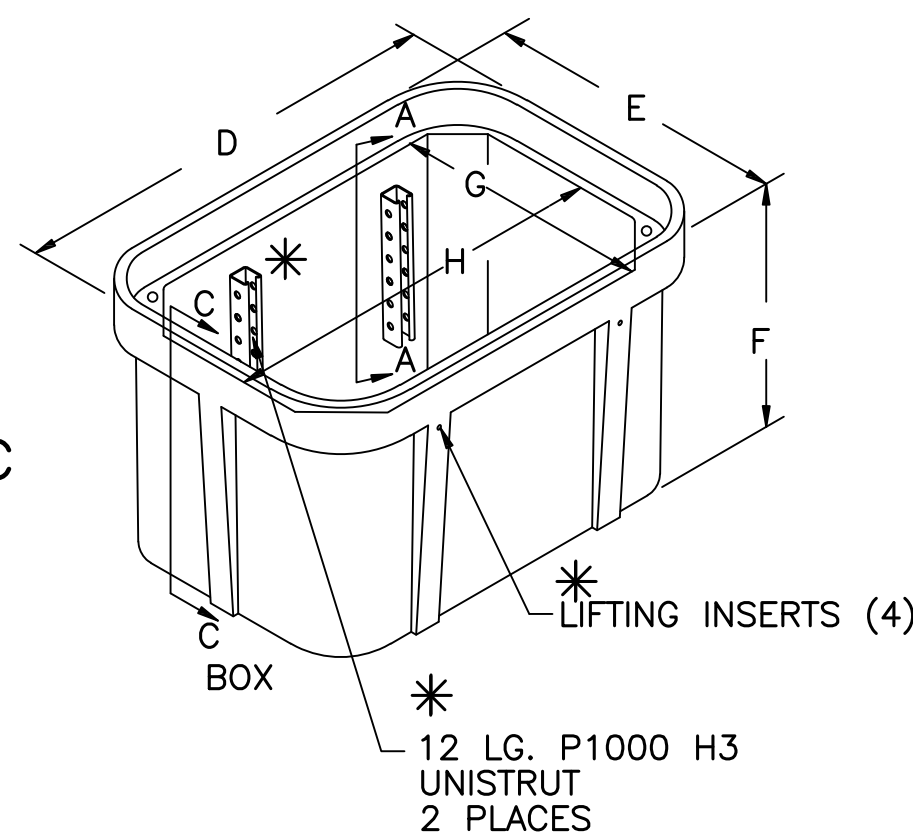
JUNCTION BOXES NOTES:

- 1. THE MAXIMUM DISTANCE BETWEEN JUNCTION BOXES USED FOR FIBER OPTIC COMMUNICATIONS CABLE SHALL BE ONE THOUSAND (1000) FEET.
- 2. THE PROJECT ENGINEER PRIOR TO INSTALLATION SHALL APPROVE THE LOCATION OF EACH JUNCTION BOX. JUNCTION BOXES SHALL BE LOCATED A MINIMUM OF THREE (3) FEET BEHIND THE CURB OR A MINIMUM CLEARANCE OF TEN (10) FEET FROM THE EDGE OF THE TRAVEL LANE, WHICHEVER IS GREATER.

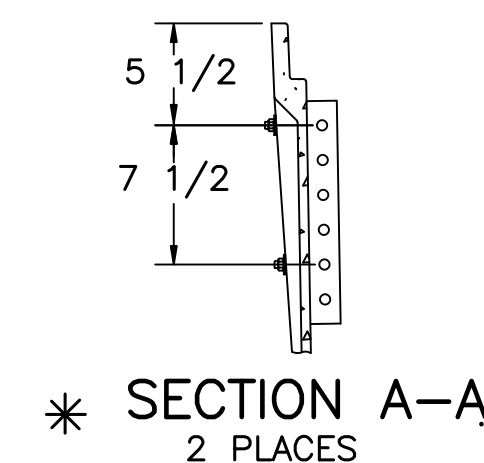
COVER



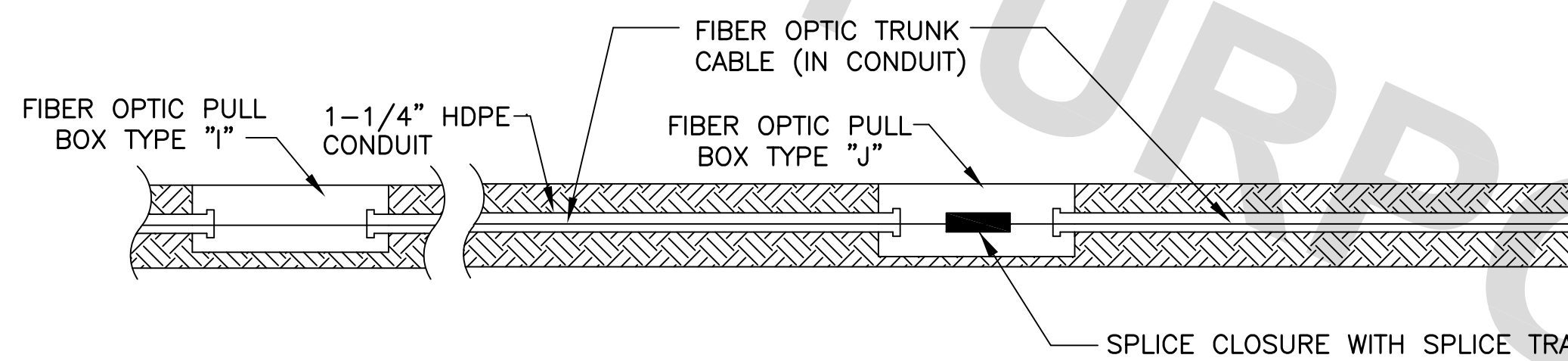
SECTION C-C



FIBER OPTIC JUNCTION BOX DETAILS
(TYPICAL)



SECTION A-A
2 PLACES

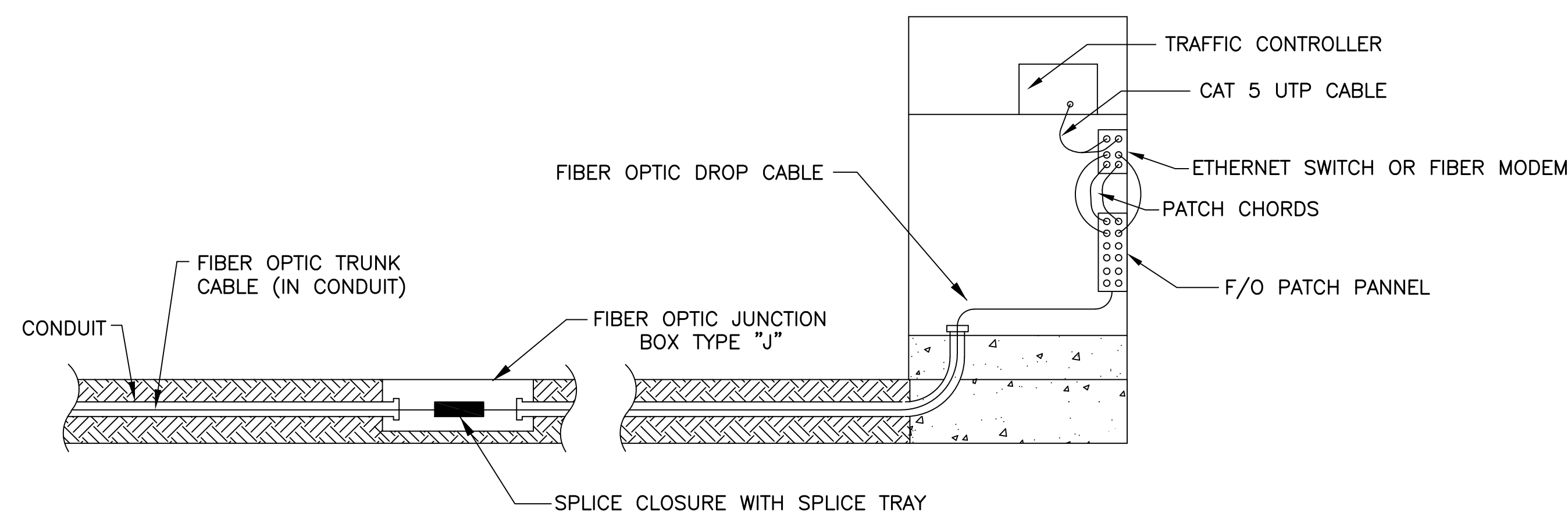


TYPICAL UNDERGROUND SPLICE

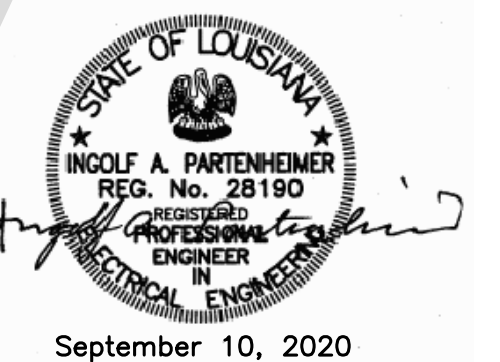
TYPE	DIMENSION (IN.) (APPROX.)										
BOX	A	B	C	D	E	F	G	H	I	J	K
I	47 5/8	30 1/8	3	49 5/8	32 1/8	18	28 1/8	45 5/8	15	1/2	2
J	47 5/8	30 1/8	3	49 5/8	32 1/8	36	28 1/8	45 5/8	15	1/2	2

NOTES:

- 1. JUNCTION BOXES AND COVERS SHALL BE CONSTRUCTED OF A CONCRETE COMPOSITE MATERIAL.
- 2. JUNCTION BOX SHALL HAVE A HOLLOW BASE.
- 3. NO "MOUSE TYPE" OPENING SHALL BE PRESENT.
- 4. BOX DIMENSIONS SHOWN ARE NOMINAL.
- 5. NOTCHES SHALL BE PROVIDED FOR REMOVING THE COVER.
- 6. COVER SHALL BOLT DOWN.
- 7. THE LOGO "TRAFFIC SIGNAL" IS TO BE INSCRIBED ON TOP OF THE COVER.
- 8. INSERTS TO BE CENTERED ON ONE WALL OF TYPE I & J BOXES, 5.625" FROM THE TOP OF EACH BOX.
- 9. TWO PIECE STEEL PIERCED CHANNEL 11" LONG. TO BE SUPPLIED WITH EACH BOX. CHANNEL TO BE PIERCED ON THREE SIDES.
- 10. BOLTS TO BE 1/2" x 3/4" LONG STAINLESS STEEL. 1/8" SPACERS TO BE PLACED BETWEEN CHANNELS AND WALL OF JUNCTION BOX.
- 11. CHANNEL RACKING TO BE FACTORY INSTALLED.



UNDERGROUND ENTRANCE
INTO BASE MOUNTED CABINET



STANDARD PLAN NO. 906-05	DATED September 10, 2019	SHEET NO. 2 OF 5
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**FIBER OPTIC DETAILS
(JUNCTION BOX)**

ENGINEERING DIVISION DEPARTMENT OF TRANSPORTATION AND DRAINAGE CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE			
DESIGNED T.E.D.	DRAWN G. VANNICE	CHECKED S. EDEL	APPROVED I. PARTENHEIMER

DATE	DESCRIPTION REVISIONS	BY