

- NOTES:**
1. ALL CONDUITS TO BE RUN UNDER PLATFORM UNLESS OTHERWISE NOTED.
  2. CONDUIT BETWEEN EXISTING MNR POWER PANEL AND PLATFORM SHALL BE TRENCHED. RESTORE SURROUNDING AREA.
  3. SEE DWG. FCI-502 FOR CAMERA SCHEDULE.
  4. TRENCH CONDUIT BETWEEN CAT. 840 AND PLATFORM, FOLLOWING EXISTING TRENCH. RESTORE SIDEWALK AND LANDSCAPING.
  5. SEE DWG. FCI-621 FOR STRATFORD STATION FIBER DROP SCHEMATIC AND ADDITIONAL DETAILS AND DWG. FCI-343 FOR CABLE ROUTING PLAN.
  6. (2) 24-FIBER CABLES WILL BE COILED ON NORTH SIDE OF CAT. 841 BY OTHERS. RUN (1) 24-FIBER CABLE IN 1-1/2" C TO WB CCTV CABINET.
  7. (2) 24-FIBER CABLES WILL BE COILED ON SOUTH SIDE OF CAT. 841 BY OTHERS. RUN (1) 24-FIBER CABLE IN 1-1/2" C TO EB CCTV CABINET.
  8. TRENCH CONDUIT BETWEEN CAT. 841 AND PLATFORM. RESTORE SURROUNDING AREA.
  9. FURNISH AND INSTALL 24-FIBER CABLE BETWEEN EB AND WB CCTV CABINETS. USE (E) CROSSOVER DUCT ACROSS CAT. 841.
  10. PROVIDE TWO (2) BOLLARDS IN FRONT OF EB CCTV CABINET. ENSURE CABINET AND BOLLARDS DO NOT EXTEND SOUTH PAST STAIR STRUCTURE.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 5/2/2016

DESIGNER/DRAFTER:  
**EN/MK**

CHECKED BY:  
**CH**

SCALE IN FEET  
0 20 40  
SCALE 1"=20'



SIGNATURE/  
BLOCK:

STV Incorporated  
185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:  
**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

TOWN:  
**WESTPORT  
TO STRATFORD**

DRAWING TITLE:  
**STRATFORD STATION**

PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-501**

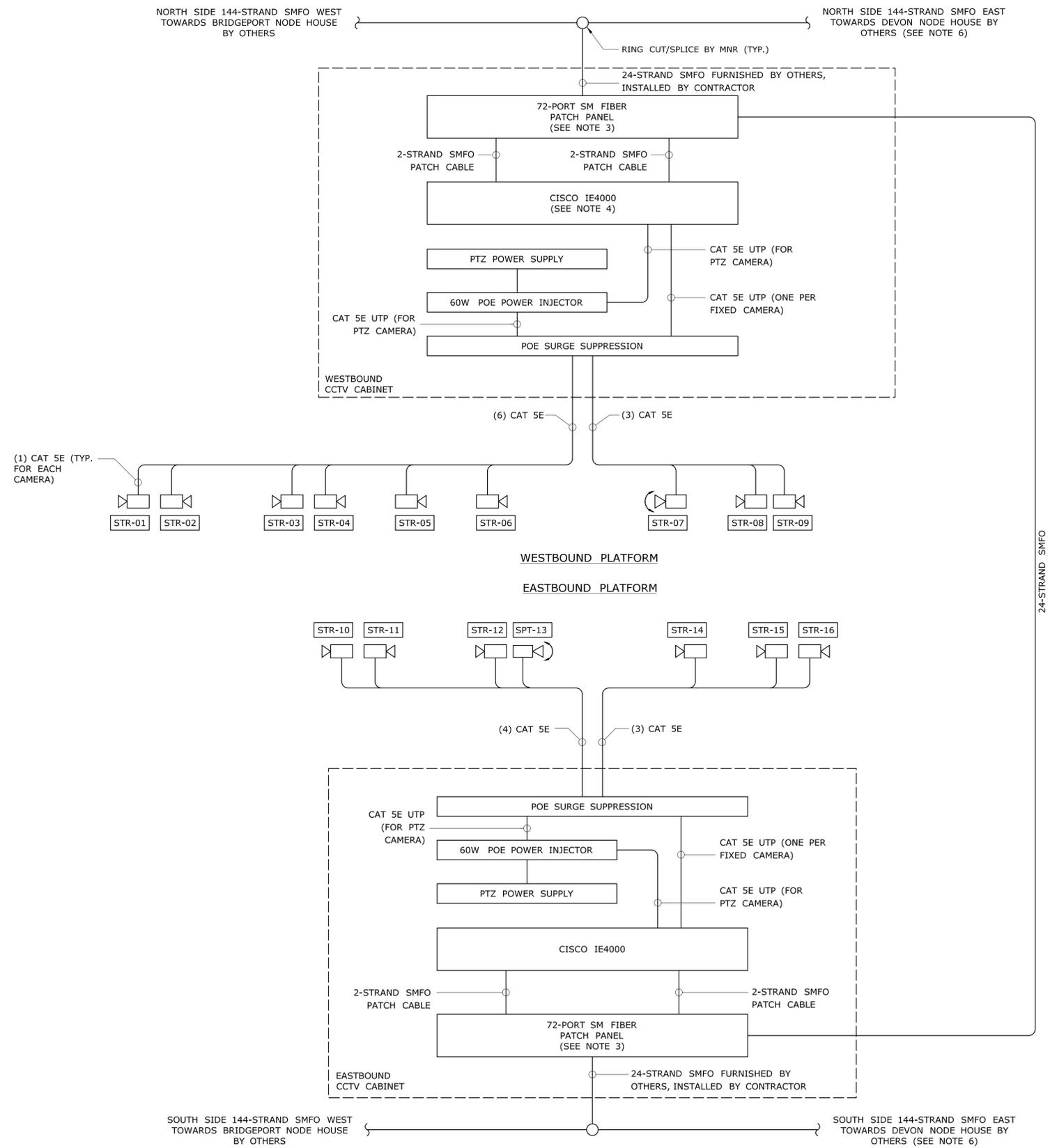
SHEET NO.  
**05.02**

CAMERA NUMBER	DESCRIPTION	FIXED OR PTZ	MOUNTING TYPE	MOUNTING DETAIL	MOUNTING HEIGHT (SEE NOTE 3)	DOVE COVER	LENS	NOTES
STR-01	WESTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH STR-02
STR-02	WESTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH STR-01
STR-03	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 1	9'-0"	SMOKED	3-9mm	
STR-04	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 1	9'-0"	SMOKED	3-9mm	
STR-05	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 1	9'-0"	SMOKED	3-9mm	
STR-06	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 1	9'-0"	SMOKED	3-9mm	
STR-07	WESTBOUND PLATFORM	PTZ	CANOPY	FCI-641, DETAIL 1	9'-0"	SMOKED	4.4-132mm	
STR-08	WESTBOUND PLATFORM - EAST END	FIXED	CANOPY	FCI-641, DETAIL 1	9'-0"	SMOKED	3-9mm	
STR-09	WESTBOUND PLATFORM - EAST END	FIXED	CANOPY	FCI-641, DETAIL 1	9'-0"	CLEAR	3-9mm	
STR-10	EASTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH STR-11
STR-11	EASTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH STR-10
STR-12	EASTBOUND PLATFORM	FIXED	POLE TYPE C	FCI-640, DETAIL 2	9'-3"	SMOKED	3-9mm	POLE SHARED WITH STR-13, SEE NOTE 4
STR-13	EASTBOUND PLATFORM	PTZ	POLE TYPE C	FCI-640, DETAIL 2	9'-7"	SMOKED	4.4-132mm	POLE SHARED WITH STR-12, SEE NOTE 4
STR-14	EASTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	8'-6"	SMOKED	3-9mm	
STR-15	EASTBOUND PLATFORM - EAST END	FIXED	POLE TYPE C	FCI-640, DETAIL 2	8'-6"	SMOKED	3-9mm	POLE SHARED WITH STR-16, SEE NOTE 5
STR-16	EASTBOUND PLATFORM - EAST END	FIXED	POLE TYPE C	FCI-640, DETAIL 2	8'-6"	CLEAR	3-9mm	POLE SHARED WITH STR-15, SEE NOTE 5

**NOTES:**

1. SEE DWG. FCI-501 FOR DEVICE LAYOUT.
2. SEE DWG. FCI-503 FOR DEVICE CONNECTIVITY DIAGRAM.
3. MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE COORDINATED WITH EXISTING FIELD CONDITIONS AND PRE-INSTALLATION FIELD-OF-VIEW SURVEYS BY THE CONTRACTOR.
4. COORDINATE CAMERAS STR-12 AND STR-13 WITH (E) VARIABLE MESSAGE SIGNS. ENSURE CAMERA STR-13 CAN VIEW BOTH DIRECTIONS ALONG THE PLATFORM AND THAT THE CAMERAS AND POLE DO NOT OBSTRUCT THE VARIABLE MESSAGE SIGNS. FIXED CAMERA STR-12 SHALL BE CLOSER TO THE PLATFORM EDGE UNLESS OTHERWISE DETERMINED BY FIELD-OF-VIEW SURVEY AND APPROVED BY THE ENGINEER.
5. CAMERA STR-15 SHALL BE CLOSER TO THE PLATFORM EDGE UNLESS OTHERWISE DETERMINED BY FIELD-OF-VIEW SURVEY AND APPROVED BY THE ENGINEER.

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CHECKED BY: <b>CH</b>		NOT TO SCALE						DRAWING TITLE: <b>STRATFORD STATION          CAMERA SCHEDULE</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016	Filename: ...FCI-502_FA_Sheet_0300-0178.dgn			SHEET NO. <b>05.03</b>



- NOTES:
1. SEE DWG. FCI-601 FOR BACKBONE FIBER ARCHITECTURE.
  2. SEE DWG. FCI-501 FOR DEVICE LAYOUT.
  3. FURNISH SMFO PATCH CABLES REQUIRED FOR COMPLETE SYSTEM CONNECTIVITY. REFER TO DWG. FCI-605 FOR NETWORK DIAGRAM.
  4. USE ONE COPPER UPLINK PORT FOR PTZ CAMERA STR-07 SIGNAL.
  5. REFER TO DWG. FCI-621 FOR STRATFORD STATION FIBER DROP SCHEMATIC AND ADDITIONAL DETAILS.
  6. CONTRACTOR SHALL RECONFIGURE EXISTING NETWORK AT DEVON NODE HOUSE TO INSERT PHASE 2 NODES. SEE DWG. FCI-605 FOR NETWORK DIAGRAM.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/30/2016

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 STV Incorporated  
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**NETWORK INFRASTRUCTURE  
 UPGRADE FOR SECURITY  
 NEW HAVEN LINE  
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TOWN:  
**WESTPORT  
 TO STRATFORD**

DRAWING TITLE:  
**STRATFORD STATION  
 DEVICE CONNECTIVITY**

PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-503**

SHEET NO.  
**05.04**

**NOTES:**

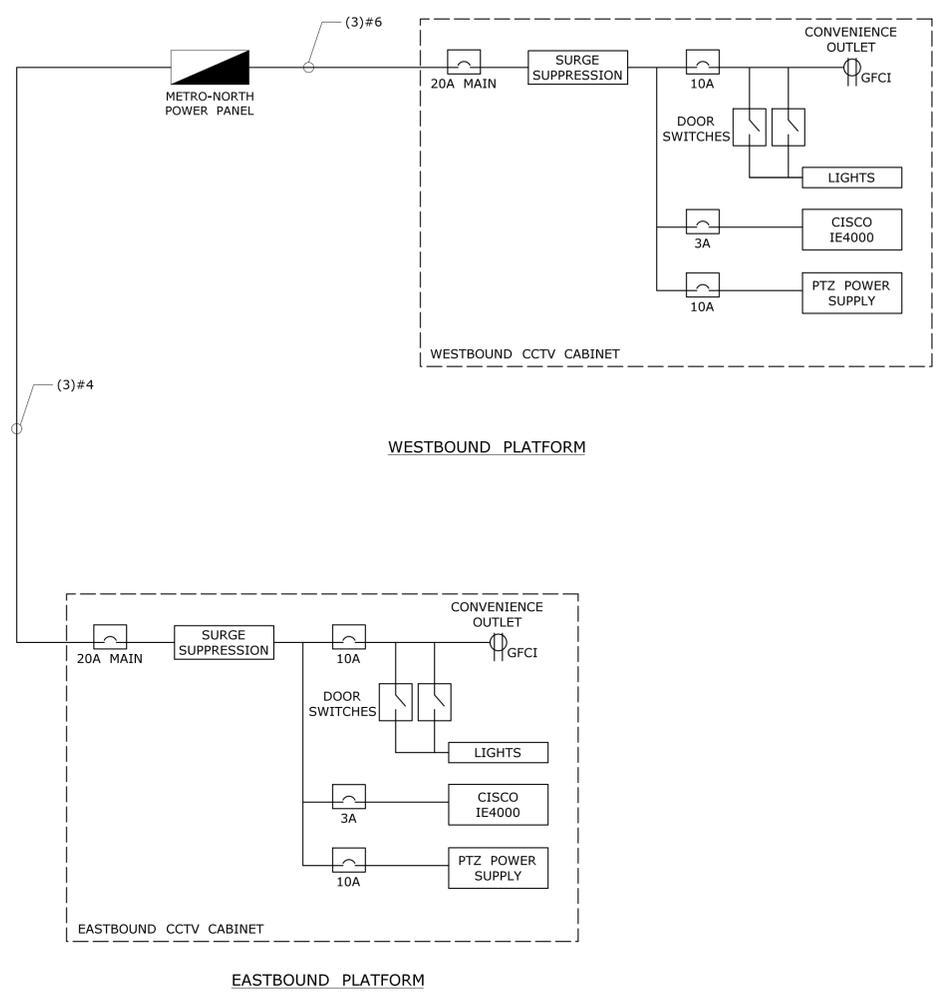
1. FURNISH AND INSTALL 20A BREAKER. BREAKER SHALL BE SAME TYPE AND AIC RATING AS EXISTING BREAKERS.

METRO-NORTH POWER PANEL WESTBOUND STRATFORD STATION					
SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
DLC	20	1	2	30	SPARE
IF	20	3	4	20	TVM
SPACE		5	6	20	TVM
SPACE		7	8	20	TVM
SPACE		9	10	20	TVM
SPACE		11	12	20	IF
SPACE		13	14	20	SIGNS
SPACE		15	16	20	<b>WESTBOUND CCTV CABINET</b>
SPACE		17	18	20	<b>EASTBOUND CCTV CABINET</b>
SPACE		19	20		SPACE
SPACE		21	22		SPACE
SPACE		23	24		SPACE
SPACE		25	26		SPACE
SPACE		27	28		SPACE

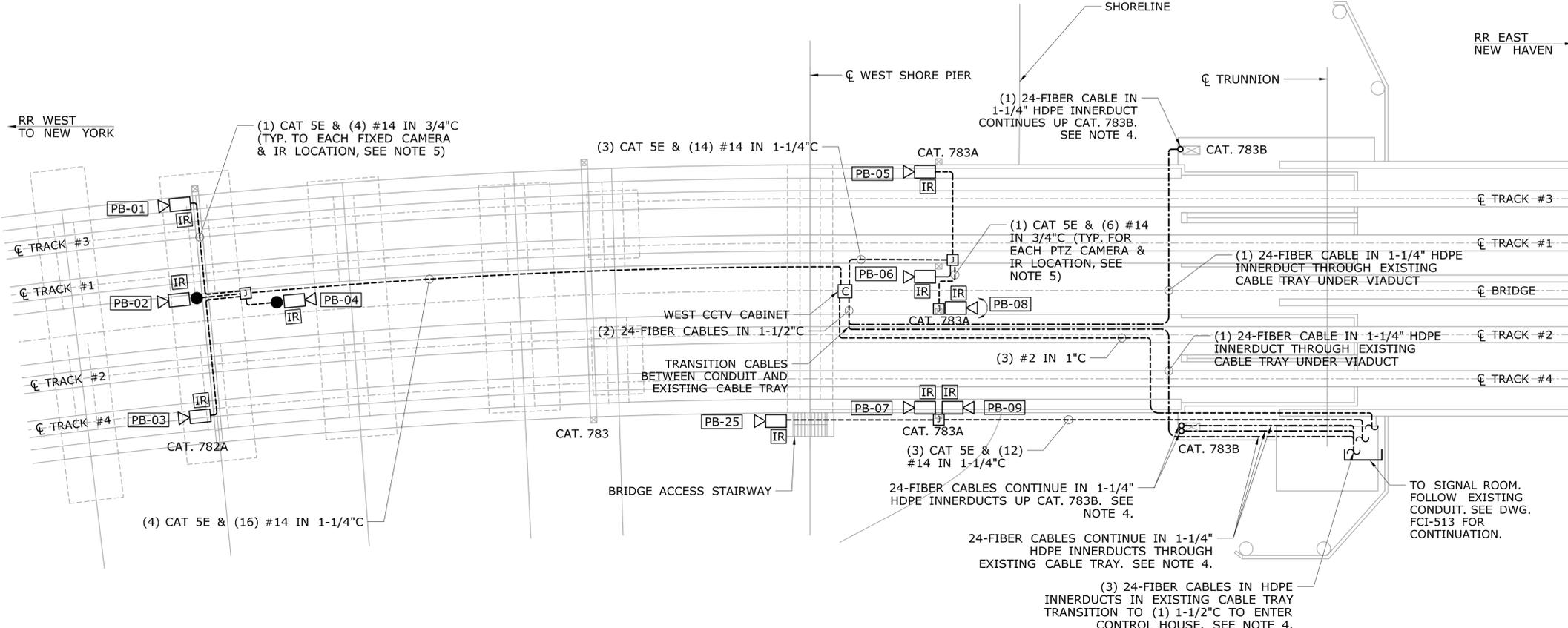
120/240VAC, 1 PHASE, 3 WIRE+GROUND  
MAIN BREAKER: 200A  
LOCATION: WEST END OF WESTBOUND PLATFORM

SEE NOTE 1  
SEE NOTE 1

**1 STRATFORD STATION POWER PANEL SCHEDULE**  
FCI-504 NOT TO SCALE



**2 STRATFORD STATION POWER DISTRIBUTION**  
FCI-504 NOT TO SCALE



**PECK BRIDGE WEST APPROACH (VIADUCT B) AND RIVER CROSSING**

- NOTES:**
- EXISTING CAMERA SYSTEM (NOT SHOWN) TO BE REMOVED AFTER NEW CAMERAS ARE IN SERVICE. SEE DWG. FCI-518 THRU FCI-521 FOR EXISTING CAMERA SYSTEM INFORMATION.
  - CONDUITS SHALL BE RUN ALONG UNDERSIDE OF VIADUCT STRUCTURE. DO NOT ATTACH ANY ITEMS TO THE MOVEABLE SECTION OF THE BRIDGE.
  - SEE DWG. FCI-514 FOR CAMERA SCHEDULE.
  - SEE DWG. FCI-619 FOR PECK BRIDGE FIBER DROP SCHEMATIC AND ADDITIONAL DETAILS. SEE DWG. FCI-341 FOR CABLE ROUTING PLAN.
  - PROVIDE TWO (2) IR LIGHTS FOR EACH FIXED CAMERA AND THREE (3) IR LIGHTS FOR EACH PTZ CAMERA. PROVIDE (1) CAT 5E CABLE FOR EACH CAMERA AND (2) #14 FOR EACH IR.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 5/2/2016

DESIGNER/DRAFTER:  
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SCALE IN FEET  
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SCALE 1"=20'

**STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION**

Filename: ...FCI-510\_CT\_Sheet\_0300-0178.dgn

SIGNATURE/  
BLOCK:

STV Incorporated  
185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:  
**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

TOWN:  
**WESTPORT  
TO STRATFORD**

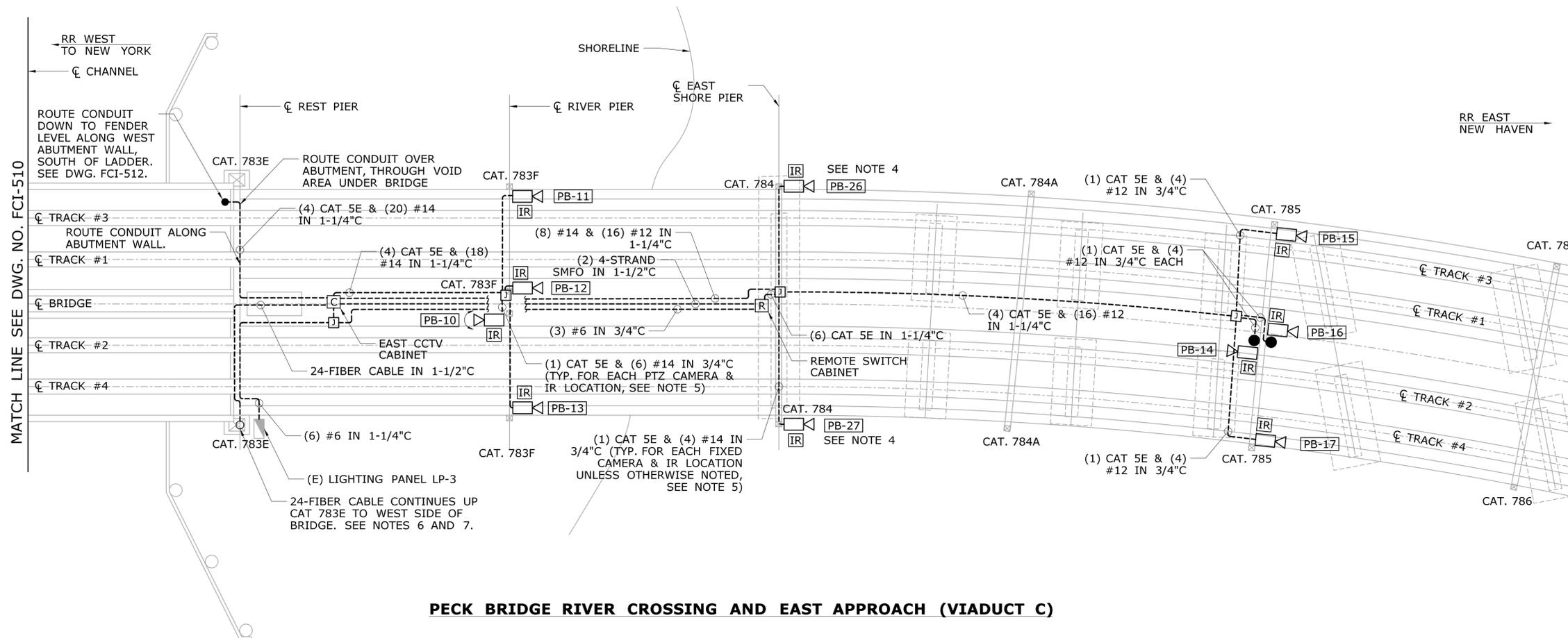
DRAWING TITLE:  
**PECK BRIDGE  
TRACK LEVEL WEST**

PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-510**

SHEET NO.  
**05.06**

PEQUONNOCK RIVER



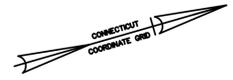
**PECK BRIDGE RIVER CROSSING AND EAST APPROACH (VIADUCT C)**

**NOTES:**

1. EXISTING CAMERA SYSTEM (NOT SHOWN) TO BE REMOVED AFTER NEW CAMERAS ARE IN SERVICE. SEE DWG. FCI-518 THRU FCI-521 FOR EXISTING CAMERA SYSTEM INFORMATION.
2. CONDUITS SHALL BE RUN ALONG UNDERSIDE OF VIADUCT STRUCTURE. DO NOT ATTACH ANY ITEMS TO MOVEABLE SECTION OF THE BRIDGE. ENSURE CONDUITS DO NOT INTERFERE WITH FLEXIBLE SIGNAL CABLES UNDER BRIDGE.
3. SEE DWG. FCI-514 FOR CAMERA SCHEDULE.
4. CAMERAS PB-26 AND PB-27 FOR VIEWING ENTRY GATES BELOW VIADUCT.
5. PROVIDE TWO (2) IR LIGHTS FOR EACH FIXED CAMERA AND THREE (3) IR LIGHTS FOR EACH PTZ CAMERA. PROVIDE (1) CAT 5E CABLE FOR EACH CAMERA AND (2) #14 FOR EACH IR UNLESS OTHERWISE NOTED.
6. SEE DWG. FCI-619 FOR FIBER DROP SCHEMATIC AND ADDITIONAL DETAILS. SEE DWG. FCI-341 FOR CABLE ROUTING PLAN.
7. TRANSITION FIBER FROM CONDUIT TO 1-1/4" HDPE INNERDUCT UP CAT. 783E.

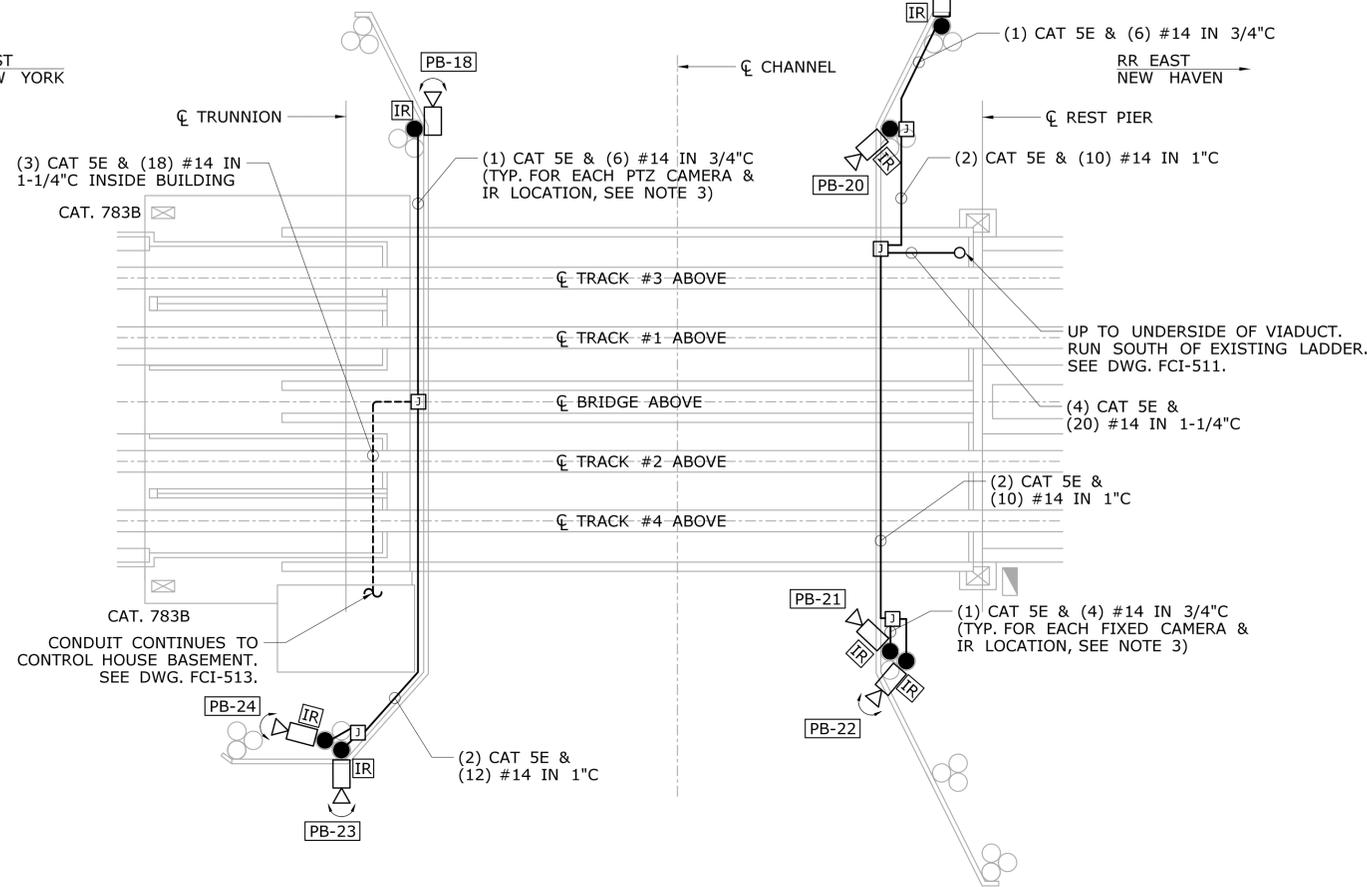
		DESIGNER/DRAFTER: <b>EN/MK</b> CHECKED BY: <b>CH</b> SCALE IN FEET 0 20 40 SCALE 1"=20'	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...FCI-511_CT_Sheet_0300-0178.dgn	SIGNATURE/ BLOCK:  STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b>	TOWN: <b>WESTPORT TO STRATFORD</b> DRAWING TITLE: <b>PECK BRIDGE TRACK LEVEL EAST</b>	PROJECT NO. <b>300-0178</b> DRAWING NO. <b>FCI-511</b> SHEET NO. <b>05.07</b>	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 5/2/2016				

PEQUONNOCK RIVER



RR WEST TO NEW YORK

RR EAST NEW HAVEN

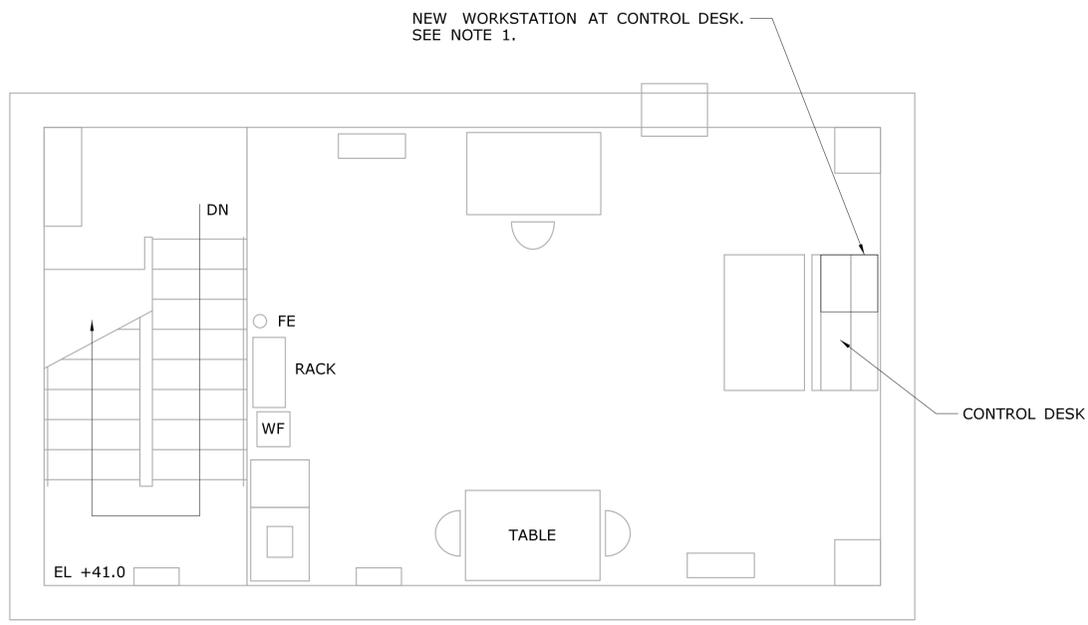
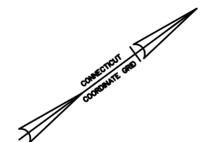


PECK BRIDGE FENDER LEVEL

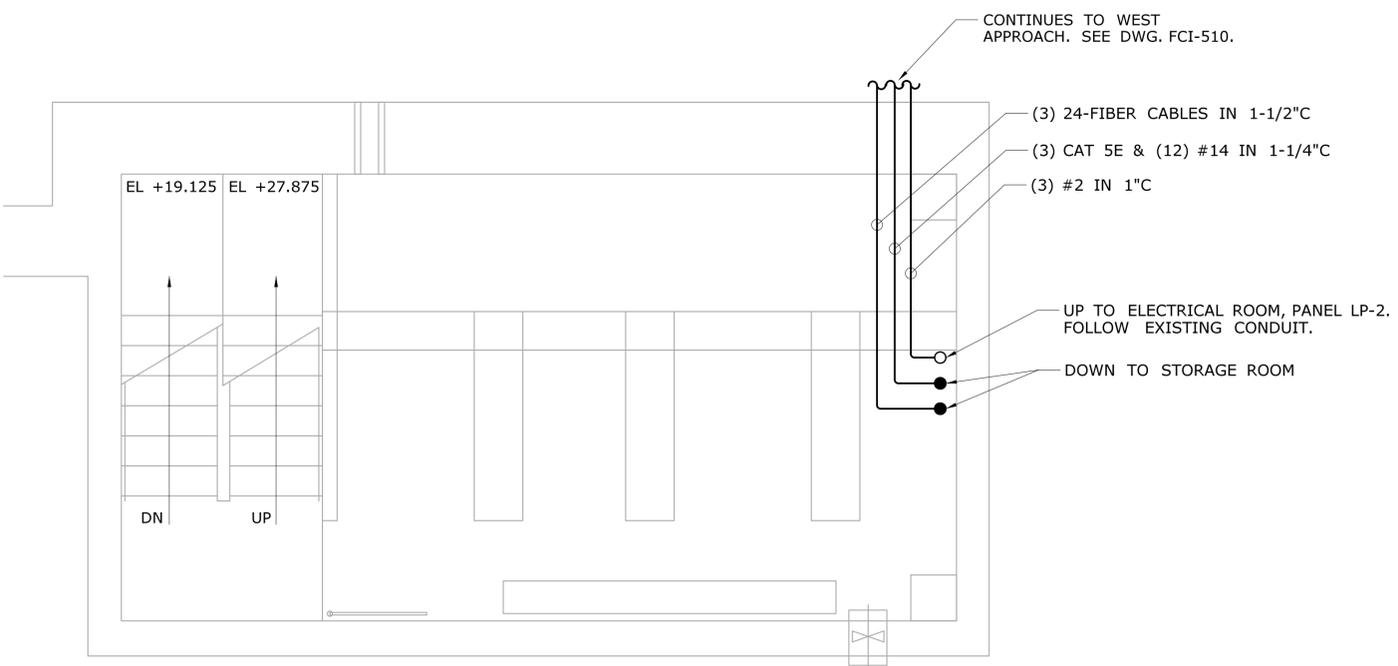
NOTES:

- EXISTING CAMERA SYSTEM (NOT SHOWN) TO BE REMOVED AFTER NEW CAMERAS ARE IN SERVICE. SEE DWG. FCI-518 THRU FCI-521 FOR EXISTING CAMERA SYSTEM INFORMATION.
- SEE DWG. FCI-514 FOR CAMERA SCHEDULE.
- PROVIDE TWO (2) IR LIGHTS FOR EACH FIXED CAMERA AND THREE (3) IR LIGHTS FOR EACH PTZ CAMERA. PROVIDE (1) CAT 5E CABLE FOR EACH CAMERA AND (2) #14 FOR EACH IR.

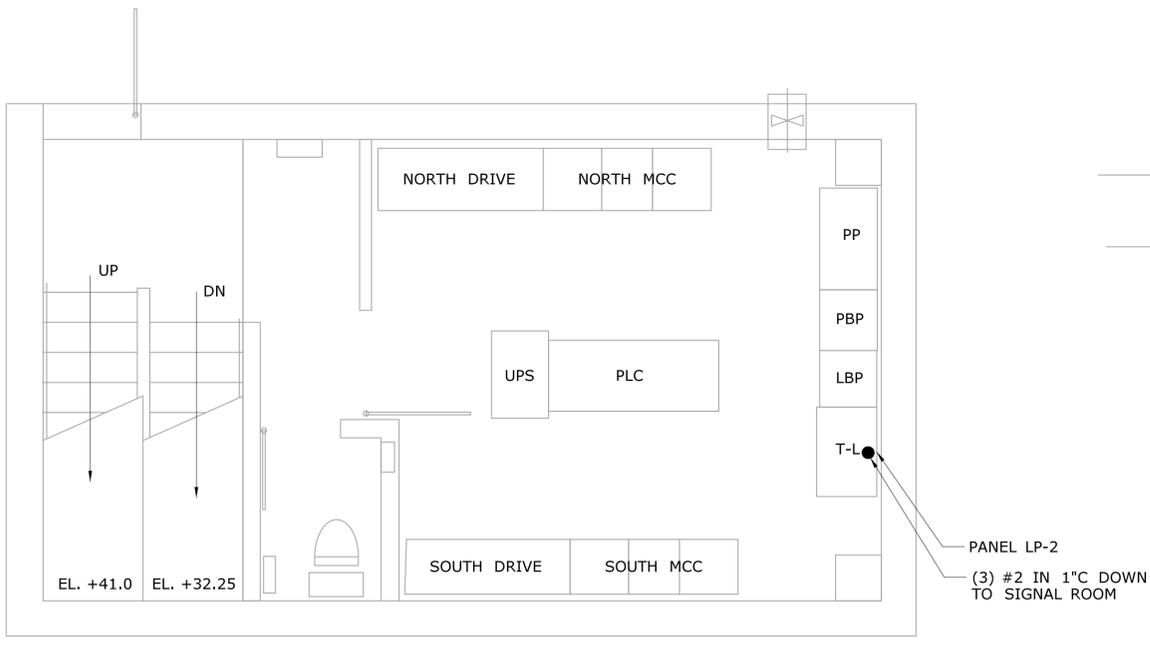
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016				



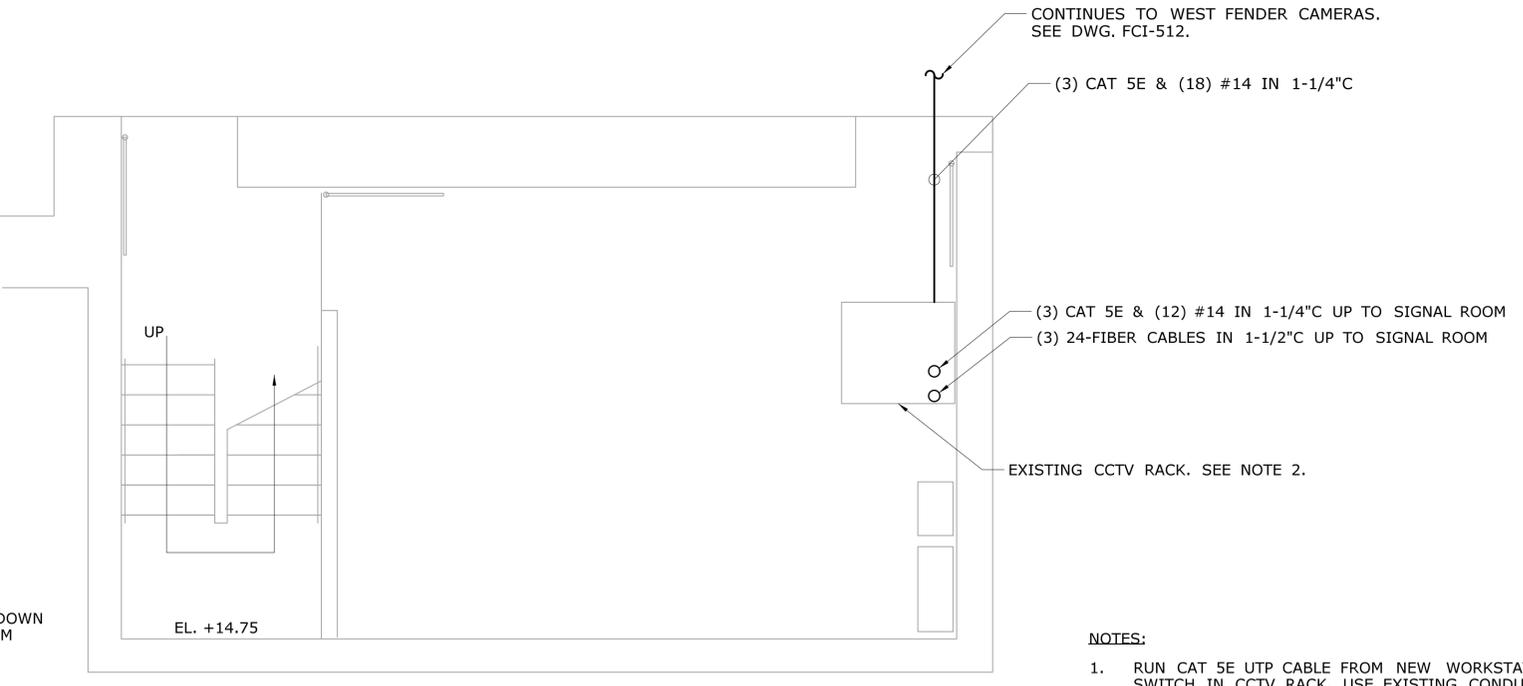
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FIN. FLOOR EL. +46.625



**SIGNAL ROOM**  
FIN. FLOOR EL. +23.5



**ELECTRICAL ROOM**  
FIN. FLOOR EL. +36.0



**STORAGE ROOM (BASEMENT)**  
FIN. FLOOR EL. +11.0

- NOTES:**
1. RUN CAT 5E UTP CABLE FROM NEW WORKSTATION TO SWITCH IN CCTV RACK. USE EXISTING CONDUIT.
  2. REFER TO DWG. FCI-517 FOR EXISTING AND FINAL RACK LAYOUTS.

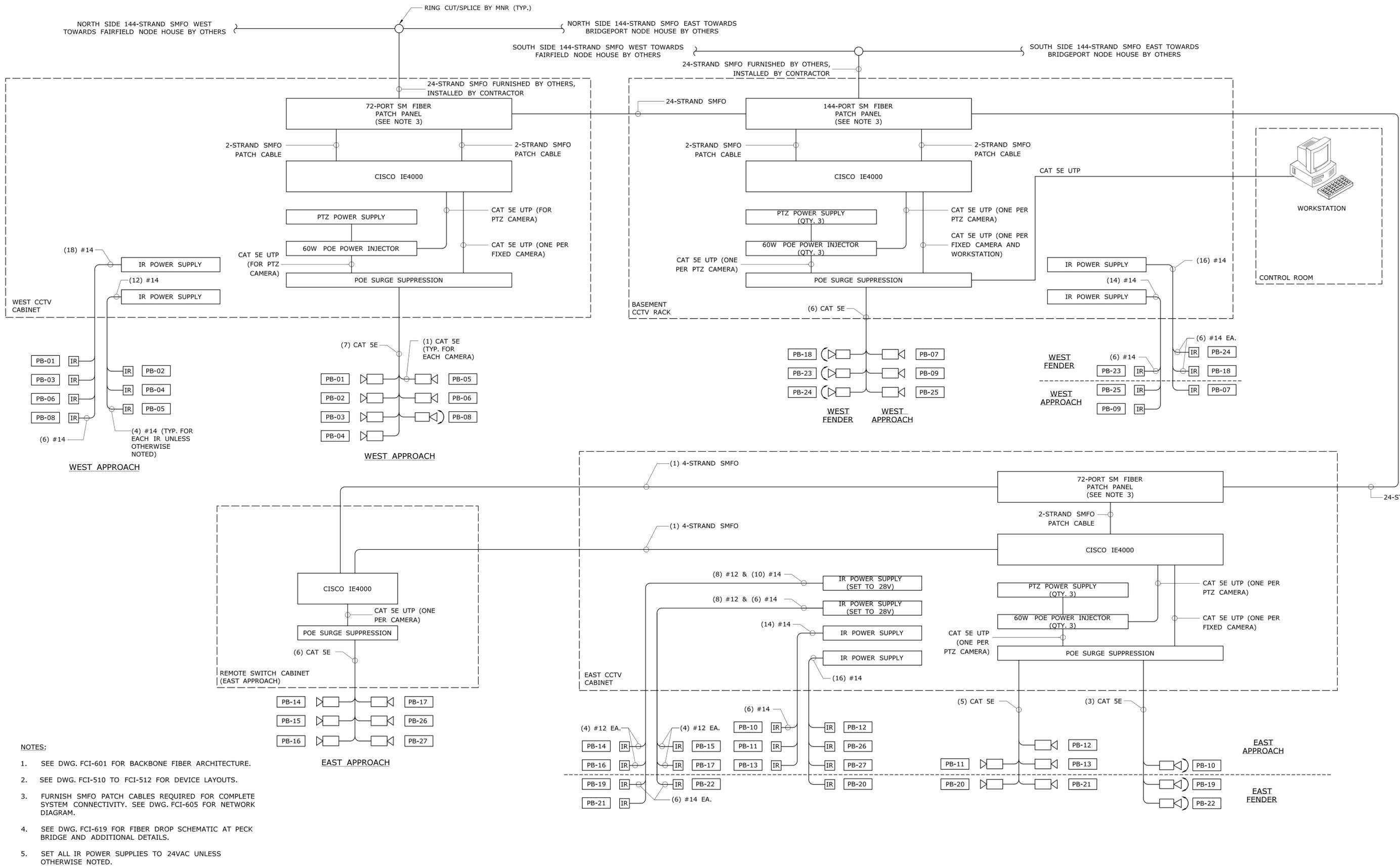
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.				

CAMERA NUMBER	DESCRIPTION	FIXED OR PTZ	MOUNTING TYPE	MOUNTING DETAIL	MOUNTING HEIGHT (SEE NOTE 3)	DOMES COVER	IR TYPE	NUMBER OF IR	LENS	NOTES
PB-01	WEST APPROACH TRACK 3	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON SOUTH FACE/IR ON WEST FACE OF CAT POLE, SEE NOTE 4
PB-02	WEST APPROACH TRACKS 1/2	FIXED	POLE TYPE B	FCI-640, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	SEE NOTE 5
PB-03	WEST APPROACH TRACK 4	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON NORTH FACE/IR ON WEST FACE OF CAT POLE, SEE NOTE 4
PB-04	WEST APPROACH TRACKS 1/2	FIXED	POLE TYPE B	FCI-640, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	SEE NOTE 5
PB-05	WEST APPROACH TRACK 3	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON SOUTH FACE/IR ON WEST FACE OF CAT POLE, SEE NOTE 4
PB-06	WEST APPROACH TRACKS 1/2	FIXED	CAT POLE - TYPE 1	FCI-646, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM AND IR ON WEST FACE OF CAT POLE
PB-07	WEST APPROACH TRACK 4/STAIRWAY	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON NORTH FACE/IR ON WEST FACE OF CAT POLE, SEE NOTE 4
PB-08	WEST APPROACH TRACKS 1/2	PTZ	CAT POLE - TYPE 1	FCI-646, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	3	4.4-132mm	MOUNT CAM AND IR ON EAST FACE OF CAT POLE
PB-09	WEST APPROACH TRACK 4/BUILDING ENTRANCE	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	10'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON NORTH FACE/IR ON EAST FACE OF CAT POLE, SEE NOTES 4 AND 6
PB-10	EAST APPROACH TRACKS 1/2	PTZ	CAT POLE - TYPE 1	FCI-646, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	3	4.4-132mm	MOUNT CAM AND IR ON WEST FACE OF CAT POLE
PB-11	EAST APPROACH TRACK 3	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON SOUTH FACE/IR ON EAST FACE OF CAT POLE, SEE NOTE 4
PB-12	EAST APPROACH TRACKS 1/2	FIXED	CAT POLE - TYPE 1	FCI-646, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM AND IR ON EAST FACE OF CAT POLE
PB-13	EAST APPROACH TRACK 4	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON NORTH FACE/IR ON EAST FACE OF CAT POLE, SEE NOTE 4
PB-14	EAST APPROACH TRACKS 1/2	FIXED	POLE TYPE B	FCI-640, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	
PB-15	EAST APPROACH TRACK 3	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON SOUTH FACE/IR ON EAST FACE OF CAT POLE, SEE NOTE 4
PB-16	EAST APPROACH TRACKS 1/2	FIXED	POLE TYPE B	FCI-640, DETAIL 1	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	
PB-17	EAST APPROACH TRACK 4	FIXED	CAT POLE - TYPE 2	FCI-646, DETAIL 2	9'-0" ABOVE WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM ON NORTH FACE/IR ON EAST FACE OF CAT POLE, SEE NOTE 4
PB-18	NORTHWEST FENDER	PTZ	FENDER POLE	FCI-645, DETAIL 3	8'-0" ABOVE FENDER	CLEAR	850nm	3	4.4-132mm	
PB-19	NORTHEAST FENDER	PTZ	FENDER POLE	FCI-645, DETAIL 3	SEE NOTE 8	CLEAR	850nm	3	4.4-132mm	
PB-20	NORTHEAST FENDER INTO CHANNEL	FIXED	FENDER POLE	FCI-645, DETAIL 3	8'-0" ABOVE FENDER	CLEAR	850nm	2	3-9mm	
PB-21	SOUTHEAST FENDER INTO CHANNEL	FIXED	FENDER POLE	FCI-645, DETAIL 3	8'-0" ABOVE FENDER	CLEAR	850nm	2	3-9mm	
PB-22	SOUTHEAST FENDER	PTZ	FENDER POLE	FCI-645, DETAIL 3	8'-0" ABOVE FENDER	CLEAR	850nm	3	4.4-132mm	
PB-23	SOUTHWEST FENDER	PTZ	FENDER POLE	FCI-645, DETAIL 3	8'-0" ABOVE FENDER	CLEAR	850nm	3	4.4-132mm	
PB-24	SOUTHWEST FENDER	PTZ	FENDER POLE	FCI-645, DETAIL 3	8'-0" ABOVE FENDER	CLEAR	850nm	3	4.4-132mm	
PB-25	WEST APPROACH DRIVEWAY	FIXED	STAIRCASE	FCI-645, DETAIL 1	6'-0" ABOVE 2ND LANDING	CLEAR	850nm	2	3-9mm	
PB-26	EAST APPROACH, NORTH DRIVEWAY	FIXED	CAT POLE - TYPE 1	FCI-646, DETAIL 1	APPROX. LEVEL WITH WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM AND IR ON EAST FACE OF CAT POLE AIM DOWN TOWARDS GATE/STREET
PB-27	EAST APPROACH, SOUTH DRIVEWAY	FIXED	CAT POLE - TYPE 1	FCI-646, DETAIL 1	APPROX. LEVEL WITH WALKWAY	CLEAR	940nm (COVERT)	2	3-9mm	MOUNT CAM AND IR ON EAST FACE OF CAT POLE AIM DOWN TOWARDS GATE/STREET

**NOTES:**

- SEE DWG. FCI-510 TO FCI-512 FOR DEVICE LAYOUT.
- SEE DWG. FCI-515 FOR DEVICE CONNECTIVITY DIAGRAM.
- MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE COORDINATED WITH EXISTING FIELD CONDITIONS AND PRE-INSTALLATION FIELD-OF-VIEW SURVEYS BY THE CONTRACTOR.
- FIELD VERIFY CLEARANCE FROM DYNAMIC TRAIN ENVELOPE. ALL DEVICES SHALL REMAIN AT LEAST 2" OUTSIDE DYNAMIC TRAIN ENVELOPE. IF FCI-646 DETAIL 2 CANNOT BE USED, USE FCI-646 DETAIL 1 AND MOUNT CAMERA ON SAME SIDE AS IR.
- COORDINATE FINAL CAMERA AND POLE LOCATIONS WITH EXISTING AND FUTURE SIGNAL EQUIPMENT.
- COORDINATE FINAL MOUNTING LOCATION WITH EXISTING LIGHT POLES. ENSURE CAMERA IS NOT OBSTRUCTED AND CAN VIEW WALKWAY, APPROACH TO CONTROL HOUSE, AND CONTROL HOUSE DOOR.
- DIRECTIONS REFERENCED (NORTH, SOUTH, EAST AND WEST) ARE RAILROAD DIRECTIONS.
- COORDINATE CAMERA HEIGHT WITH BRIDGE OPERATION SIGN.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: <b>EN/MN</b> CHECKED BY: <b>CH</b> NOT TO SCALE	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...FCI-514_FA_Sheet_0300-0178.dgn	SIGNATURE/ BLOCK:  STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE          UPGRADE FOR SECURITY          NEW HAVEN LINE          PHASE 2</b>	TOWN: <b>WESTPORT          TO STRATFORD</b> DRAWING TITLE: <b>PECK BRIDGE          CAMERA SCHEDULE</b>	PROJECT NO. <b>300-0178</b> DRAWING NO. <b>FCI-514</b> SHEET NO. <b>05.010</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

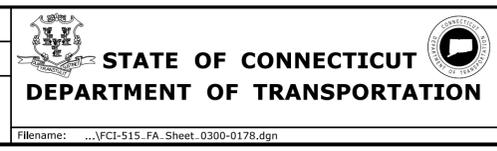
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Plotted Date: 3/30/2016

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185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:  
**NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2**

TOWN:  
**WESTPORT TO STRATFORD**

DRAWING TITLE:  
**PECK BRIDGE DEVICE CONNECTIVITY**

PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-515**

SHEET NO.  
**05.011**

**PANEL LP-2  
PECK BRIDGE CONTROL BUILDING**

SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
AIR CONDITIONER	30	1	2	20	NORTH MACHINE LIGHTS
		3	4	20	SOUTH MACHINE LIGHTS
WATER COOLER/MICROWAVE	15	5	6	20	NORTH AND SOUTH MACHINE RECEIPT
CONSOLE LIGHT - HEATER/RECEPT	15	7	8	20	NORTH TRUNNION
CONTROL ROOM RECEIPT	20	9	10	20	SOUTH TRUNNION
CONTROL ROOM LIGHTS	20	11	12	20	CENTER TRUNNION
ELECTRIC ROOM LIGHTS	20	13	14	20	NORTH PIT LIGHTS
ELECTRIC ROOM RECEIPT/FAN	20	15	16	20	SOUTH PIT LIGHTS
SIGNAL ROOM LIGHTS	20	17	18	20	PIT RECEPTACLES
SIGNAL ROOM RECEIPT	20	19	20	20	FIRE ALARM PANEL
STORAGE ROOM LIGHTS	20	21	22	20	EXISTING LOAD
STORAGE ROOM RECEIPT/FAN	20	23	24	20	STAIRWAY LIGHTS
EXISTING LOAD	20	25	26	20	FLOOD LIGHTS
EXISTING CAMERAS	20	27	28	20	EXISTING LOAD
		29	30	30	<b>WEST CCTV CABINET</b>

120/208VAC, 3 PHASE, 4 WIRE  
LOCATION: CONTROL BUILDING ELECTRICAL ROOM

SEE NOTE 1

**PANEL LP-3  
PECK BRIDGE EAST SIDE**

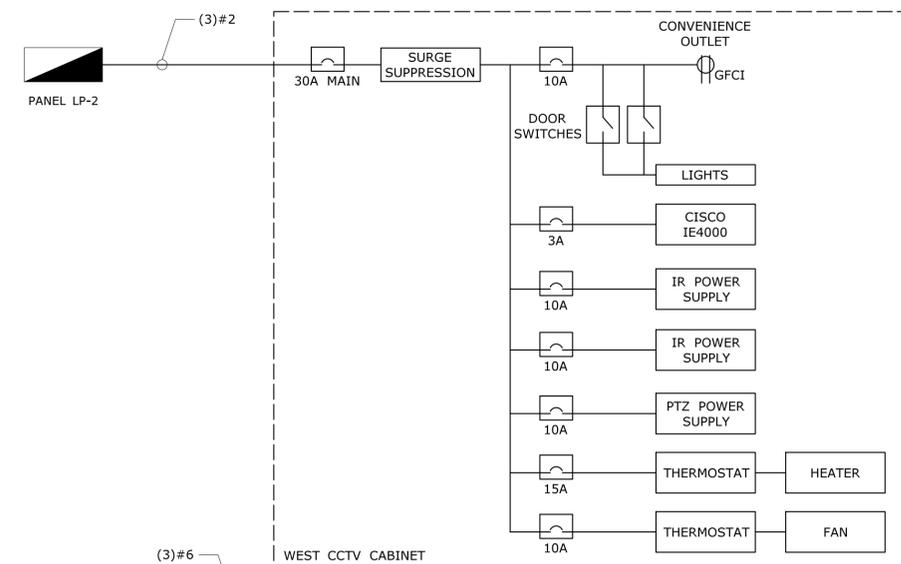
SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
MAIN BREAKER	30		20		<b>EAST CCTV CABINET &amp; REMOTE CABINET</b>
			20		EXISTING CAMERAS
EXISTING LOAD	30	1	2	30	EXISTING LOAD
RECEPTACLES	20	3	4	20	HEATERS
HEATERS	20	5	6	20	LIGHTS
EXISTING LOAD	20	7	8	15	ATC
EXISTING LOAD	15	9	10	15	EXISTING LOAD
SPACE		11	12	30	<b>EAST CCTV CABINET IR POWER</b>

120/208VAC, 3 PHASE, 4 WIRE  
MAIN BREAKER: 30A  
LOCATION: SOUTHEAST SIDE OF BRIDGE NEAR CAT 783E

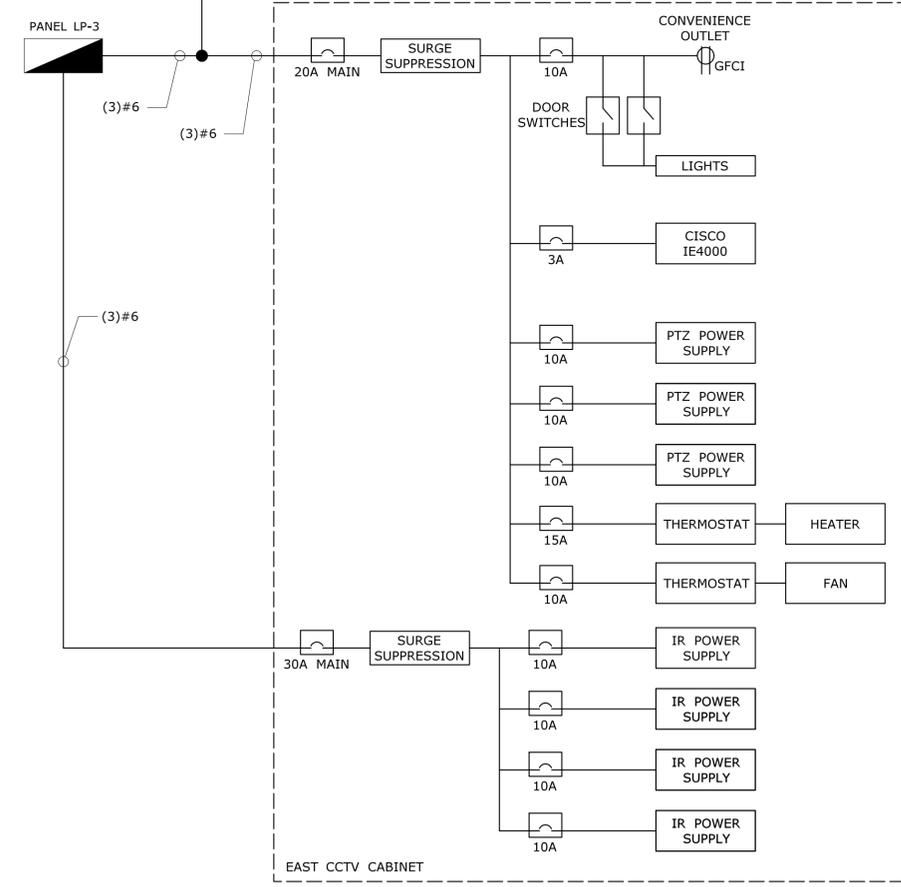
SEE NOTE 3

SEE NOTE 1

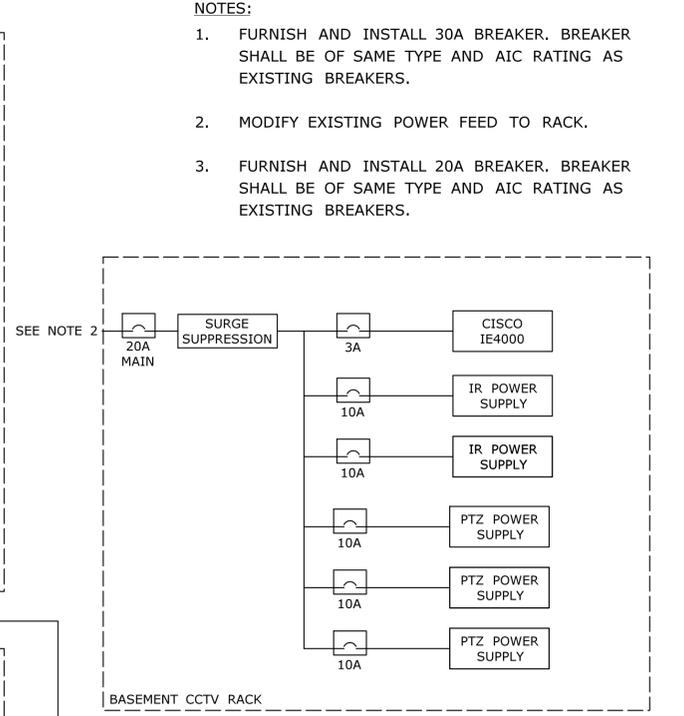
**1 PECK BRIDGE POWER PANEL SCHEDULES**  
FCI-516 NOT TO SCALE



WEST CCTV CABINET

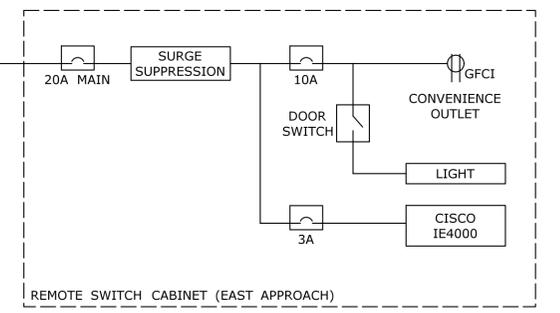


EAST CCTV CABINET



SEE NOTE 2

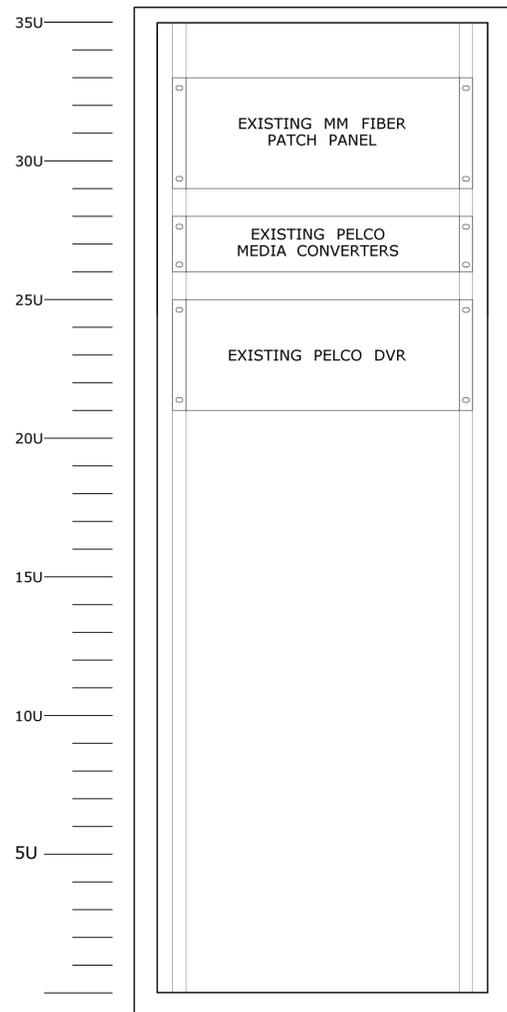
BASEMENT CCTV RACK



REMOTE SWITCH CABINET (EAST APPROACH)

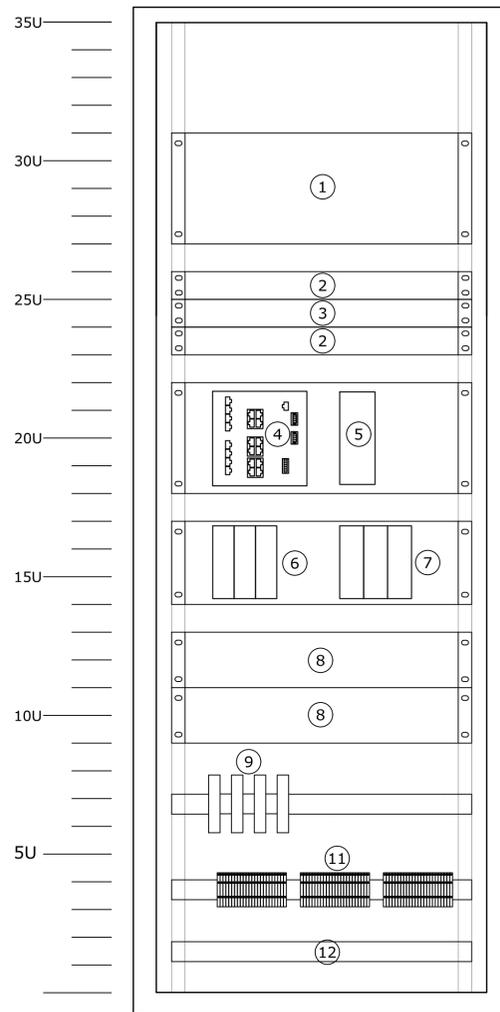
- NOTES:**
- FURNISH AND INSTALL 30A BREAKER. BREAKER SHALL BE OF SAME TYPE AND AIC RATING AS EXISTING BREAKERS.
  - MODIFY EXISTING POWER FEED TO RACK.
  - FURNISH AND INSTALL 20A BREAKER. BREAKER SHALL BE OF SAME TYPE AND AIC RATING AS EXISTING BREAKERS.

**2 PECK BRIDGE POWER DISTRIBUTION**  
FCI-516 NOT TO SCALE



**CABINET INTERIOR**  
(DOOR REMOVED)

**1 EXISTING PECK BRIDGE RACK LAYOUT**  
FCI-517 NOT TO SCALE



**CABINET INTERIOR**  
(DOOR REMOVED)

**2 FINAL PECK BRIDGE RACK LAYOUT**  
FCI-517 NOT TO SCALE

**PARTS LIST**

SEE NOTE 4

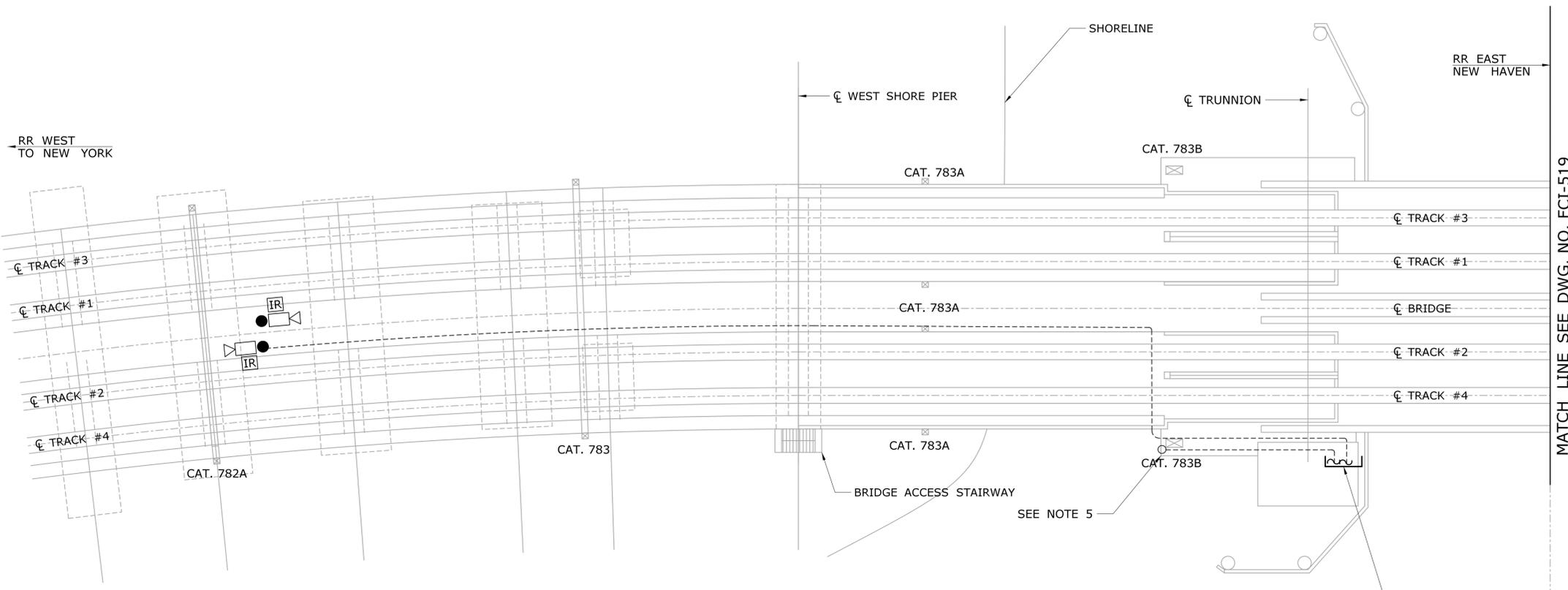
ITEM NO.	QTY.	DESCRIPTION
1	1	144-PORT FIBER OPTIC PATCH PANEL WITH SPLICE TRAYS (SLIDING TYPE)
2	AS NEEDED	CABLE MANAGEMENT PANELS
3	1	POE SURGE SUPPRESSION
4	1	CISCO IE4000 POE NETWORK SWITCH
5	1	170W CISCO POWER SUPPLY
6	3	60W POE INJECTOR
7	3	PTZ POWER SUPPLY
8	2	IR POWER SUPPLY
9	AS REQUIRED	CIRCUIT BREAKERS
10	1	POWER SURGE SUPPRESSION (NOT SHOWN)
11	AS NEEDED	TERMINAL BLOCKS
12	1	GROUND BUS BAR
13	1	TAMPER SWITCH (NOT SHOWN, SEE NOTE 8)

**NOTES:**

- EXISTING SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW SYSTEM IS IN PLACE, TESTED, AND COMMISSIONED. CONTRACTOR SHALL COORDINATE ALL PHASING WITH MNR AND SUBMIT DETAILED STAGING AND PHASING PLAN FOR APPROVAL BY THE ENGINEER. PROVIDE ALL TEMPORARY RELOCATIONS AND WIRING REQUIRED TO KEEP THE SYSTEM OPERATIONAL. CONTRACTOR SHALL MINIMIZE DISRUPTIONS TO THE EXISTING SYSTEM.
- UPON SUCCESSFUL INSTALLATION AND COMMISSIONING OF THE NEW SYSTEM, THE CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING SYSTEM. PROVIDE THE ENGINEER WITH A DETAILED INVENTORY OF ALL COMPONENTS TO BE REMOVED. THE CONTRACTOR SHALL PACKAGE AND DELIVER ANY COMPONENTS REQUESTED BY THE RAILROAD OR DEPARTMENT. ALL OTHER COMPONENTS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. RESTORE ALL SURFACES IMPACTED BY REMOVED COMPONENTS TO MATCH THE SURROUNDING AREAS.
- REUSE EXISTING RACK FOR NEW EQUIPMENT. LAYOUTS ARE REPRESENTATIVE OF EQUIPMENT ONLY. VERIFY ALL FIELD CONDITIONS BEFORE STARTING WORK.
- DRAWING DEPICTS TYPICAL PARTS REQUIRED FOR CCTV RACK. CONTRACTOR SHALL SUBMIT FINAL CABINET LAYOUTS, MOUNTING DETAILS, AND WIRING DIAGRAMS FOR APPROVAL BY THE ENGINEER.
- EQUIPMENT WITHIN THE ENCLOSURE SHALL BE CLEARLY LABELED. PROVIDE DRAWING POCKET WITH COMPLETE, APPROVED WIRING DIAGRAMS WITHIN ENCLOSURE.
- FURNISH AND INSTALL ALL MOUNTING BRACKETS, HARDWARE, OFFSETS, ETC. REQUIRED TO INSTALL THE EQUIPMENT. ENSURE PROPER CLEARANCE IS PROVIDED BETWEEN DOORS AND EQUIPMENT FOR CABLING. PROVIDE OFFSET BRACKETS AS NECESSARY FOR PROPER INSTALLATION.
- EQUIPMENT INSTALLED IN THE RACK THAT REQUIRES REAR ACCESS SHALL BE INSTALLED ON SLIDE RAILS.
- WIRE TAMPER SWITCH TO IE4000 ALARM INPUTS FOR NMS MONITORING.

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			

PEQUONNOCK RIVER



**EXISTING CAMERA SYSTEM  
PECK BRIDGE WEST APPROACH (VIADUCT B) AND RIVER CROSSING**

TO CONTROL HOUSE. EXISTING FIBER OPTIC CABLE CONTINUES TO EXISTING CCTV RACK IN BASEMENT. POWER CONTINUES TO ELECTRICAL ROOM ON MAIN (TRACK) LEVEL.

**NOTES:**

1. EXISTING SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW SYSTEM IS IN PLACE, TESTED, AND COMMISSIONED. CONTRACTOR SHALL COORDINATE ALL PHASING WITH MNR AND SUBMIT A DETAILED STAGING AND PHASING PLAN FOR APPROVAL BY THE ENGINEER. PROVIDE ALL TEMPORARY RELOCATIONS AND WIRING REQUIRED TO KEEP THE SYSTEM OPERATIONAL. CONTRACTOR SHALL MINIMIZE DISRUPTIONS TO THE EXISTING SYSTEM.
2. ENSURE INSTALLATION OF NEW CAMERAS DOES NOT BLOCK EXISTING VIEWS. CONTRACTOR SHALL TEMPORARILY RELOCATE ANY EXISTING CAMERAS NEEDED TO MAINTAIN EXISTING FIELD OF VIEWS.
3. EXISTING CONDUIT ROUTE SHOWN IS APPROXIMATE. VERIFY ALL EXISTING FIELD CONDITIONS.
4. UPON SUCCESSFUL INSTALLATION AND COMMISSIONING OF THE NEW SYSTEM, THE CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING SYSTEM. PROVIDE THE ENGINEER WITH A DETAILED INVENTORY OF ALL COMPONENTS TO BE REMOVED. THE CONTRACTOR SHALL PACKAGE AND DELIVER ANY COMPONENTS REQUESTED BY THE RAILROAD OR DEPARTMENT. ALL OTHER COMPONENTS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. RESTORE ALL SURFACES IMPACTED BY REMOVED COMPONENTS TO MATCH THE SURROUNDING AREAS.
5. EXISTING FIBER RUNS UP CAT 783B AND CONTINUES AERIALY TO EAST SIDE OF BRIDGE.
6. ADDITIONAL POWER SUPPLIES AND DEVICES ARE PRESENT. REFER TO DWG. FCI-521.

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**STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION**

Filename: ...FCI-518\_CT\_Sheet\_0300-0178.dgn

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BLOCK:

STV Incorporated  
185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:  
**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

TOWN:  
**WESTPORT  
TO STRATFORD**

DRAWING TITLE:  
**PECK BRIDGE EXISTING  
TRACK LEVEL WEST**

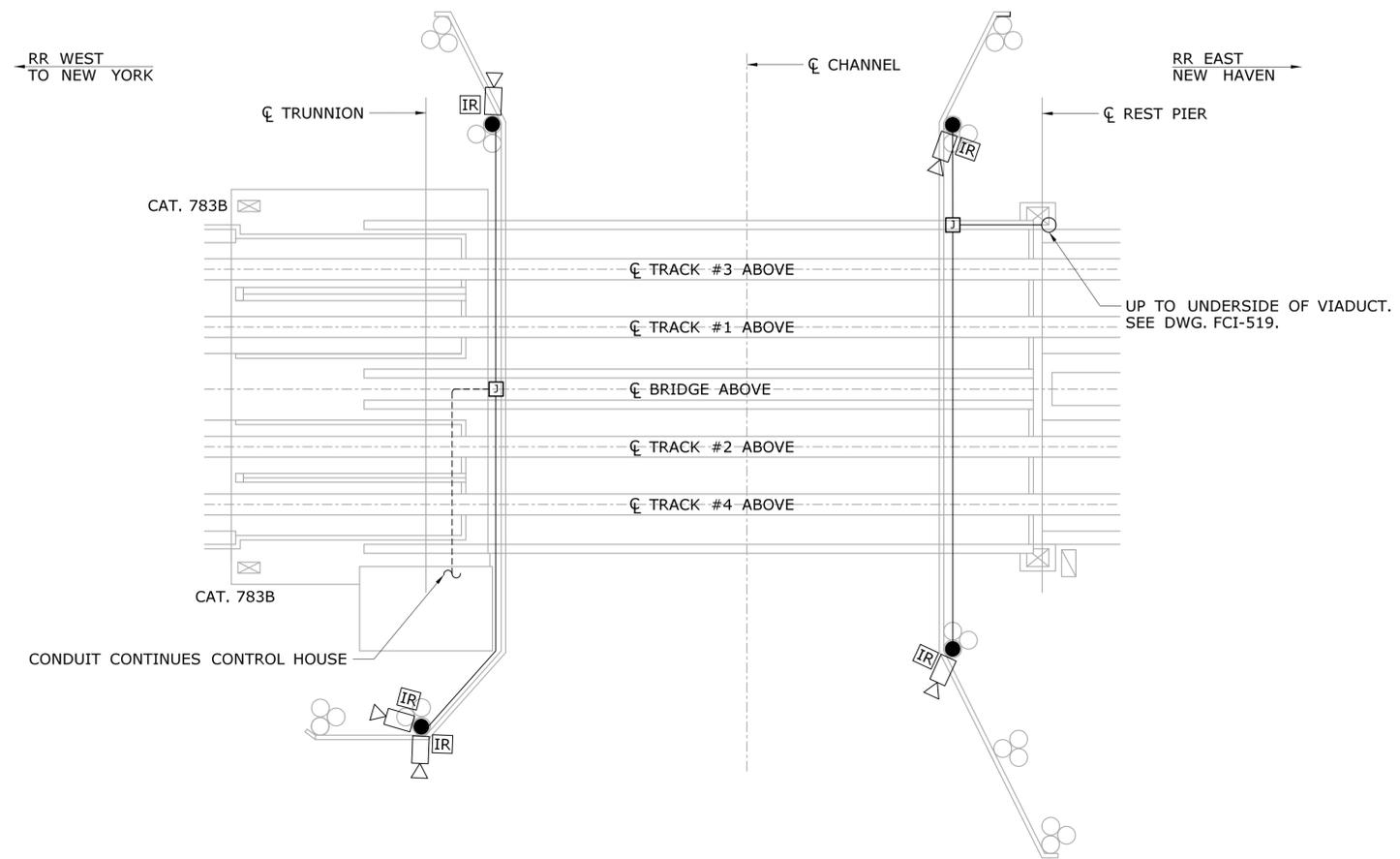
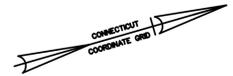
PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-518**

SHEET NO.  
**05.014**



PEQUONNOCK RIVER



**EXISTING CAMERA SYSTEM  
PECK BRIDGE FENDER LEVEL**

**NOTES:**

1. EXISTING SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW SYSTEM IS IN PLACE, TESTED, AND COMMISSIONED. CONTRACTOR SHALL COORDINATE ALL PHASING WITH MNR AND SUBMIT A DETAILED STAGING AND PHASING PLAN FOR APPROVAL BY THE ENGINEER. PROVIDE ALL TEMPORARY RELOCATIONS AND WIRING REQUIRED TO KEEP THE SYSTEM OPERATIONAL. CONTRACTOR SHALL MINIMIZE DISRUPTIONS TO THE EXISTING SYSTEM.
2. ENSURE INSTALLATION OF NEW CAMERAS DOES NOT BLOCK EXISTING VIEWS. CONTRACTOR SHALL TEMPORARILY RELOCATE ANY EXISTING CAMERAS NEEDED TO MAINTAIN EXISTING FIELD OF VIEWS.
3. EXISTING CONDUIT ROUTE SHOWN IS APPROXIMATE. VERIFY ALL EXISTING FIELD CONDITIONS.
4. UPON SUCCESSFUL INSTALLATION AND COMMISSIONING OF THE NEW SYSTEM, THE CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING SYSTEM. PROVIDE THE ENGINEER WITH A DETAILED INVENTORY OF ALL COMPONENTS TO BE REMOVED. THE CONTRACTOR SHALL PACKAGE AND DELIVER ANY COMPONENTS REQUESTED BY THE RAILROAD OR DEPARTMENT. ALL OTHER COMPONENTS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. RESTORE ALL SURFACES IMPACTED BY REMOVED COMPONENTS TO MATCH THE SURROUNDING AREAS.
5. ADDITIONAL POWER SUPPLIES AND DEVICES ARE PRESENT. REFER TO DWG. FCI-521.

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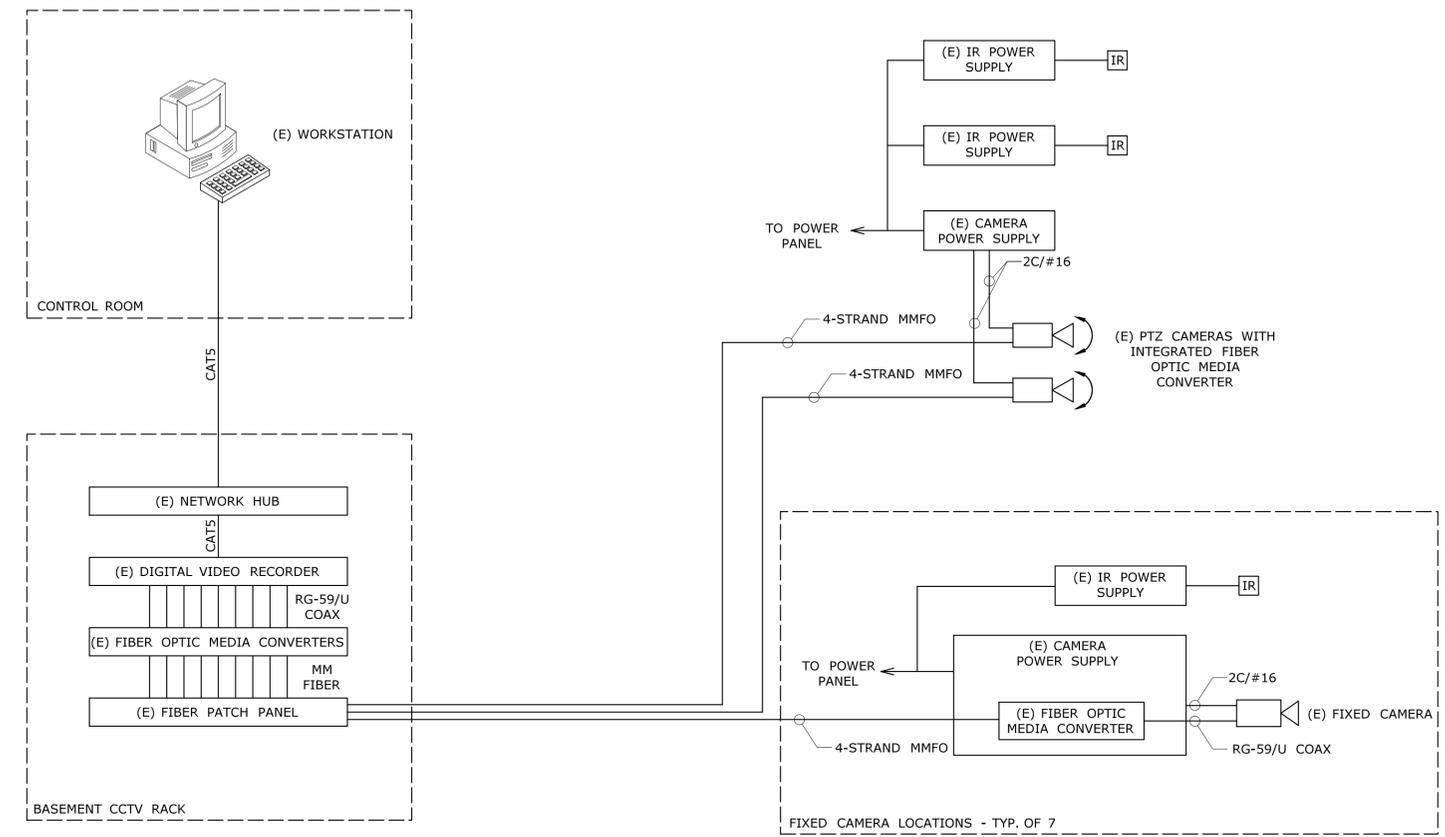
PROJECT TITLE:  
**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

TOWN:  
**WESTPORT  
TO STRATFORD**  
DRAWING TITLE:  
**PECK BRIDGE EXISTING  
FENDER LEVEL**

PROJECT NO.  
**300-0178**  
DRAWING NO.  
**FCI-520**  
SHEET NO.  
**05.016**

**NOTES:**

- EXISTING SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW SYSTEM IS IN PLACE, TESTED, AND COMMISSIONED. CONTRACTOR SHALL COORDINATE ALL PHASING WITH MNR AND SUBMIT A DETAILED STAGING AND PHASING PLAN FOR APPROVAL BY THE ENGINEER. PROVIDE ALL TEMPORARY RELOCATIONS AND WIRING REQUIRED TO KEEP THE SYSTEM OPERATIONAL. CONTRACTOR SHALL MINIMIZE DISRUPTIONS TO THE EXISTING SYSTEM.
- ENSURE INSTALLATION OF NEW CAMERAS DOES NOT BLOCK EXISTING VIEWS. CONTRACTOR SHALL TEMPORARILY RELOCATE ANY EXISTING CAMERAS NEEDED TO MAINTAIN EXISTING FIELD OF VIEWS.
- EXISTING CONDITIONS MAY VARY. VERIFY ALL EXISTING FIELD CONDITIONS.
- UPON SUCCESSFUL INSTALLATION AND COMMISSIONING OF THE NEW SYSTEM, THE CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING SYSTEM. PROVIDE THE ENGINEER WITH A DETAILED INVENTORY OF ALL COMPONENTS TO BE REMOVED. THE CONTRACTOR SHALL PACKAGE AND DELIVER ANY COMPONENTS REQUESTED BY THE RAILROAD OR DEPARTMENT. ALL OTHER COMPONENTS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. RESTORE ALL SURFACES IMPACTED BY REMOVED COMPONENTS TO MATCH THE SURROUNDING AREAS.
- REFER TO DWG. FCI-518 THRU FCI-520 FOR EXISTING DEVICE LOCATIONS.



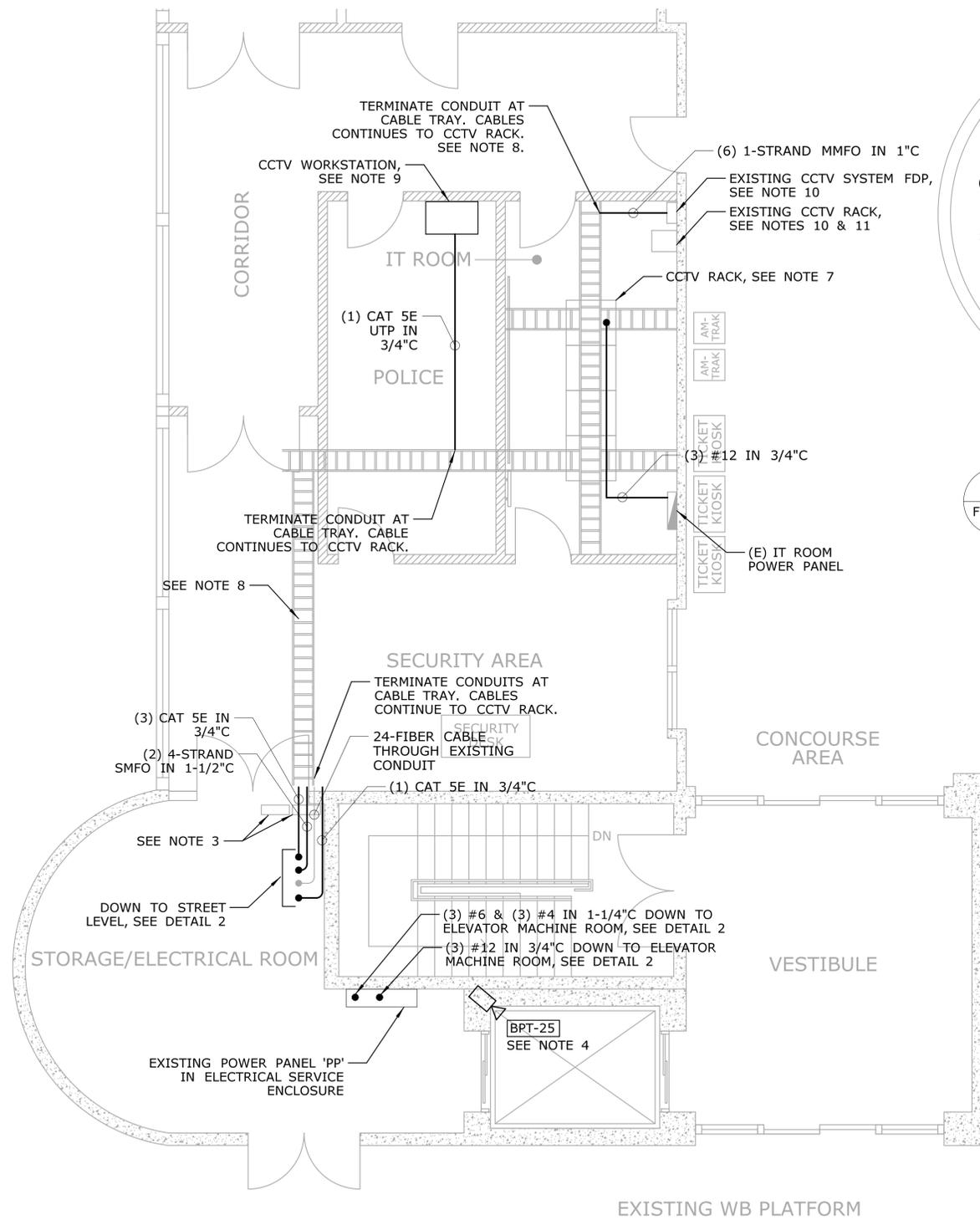
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016		Filename: ...FCI-521_FA_Sheet_0300-0178.dgn									



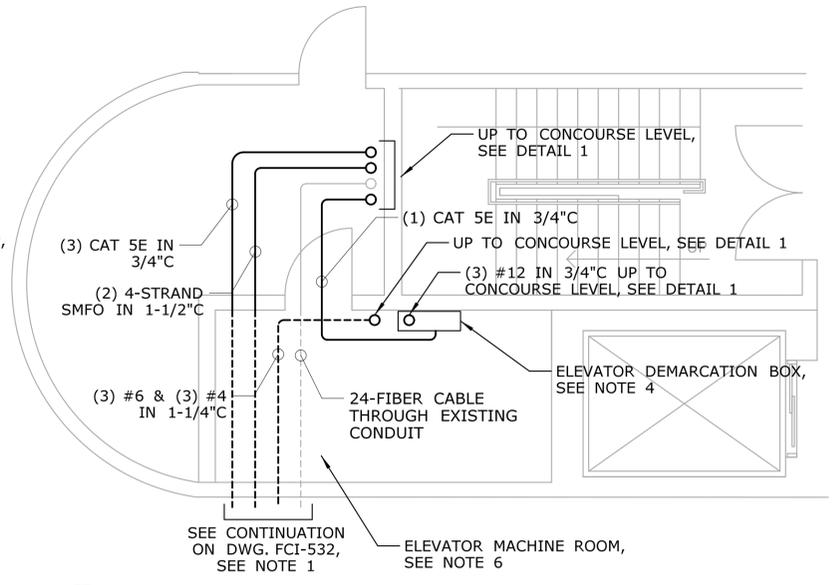




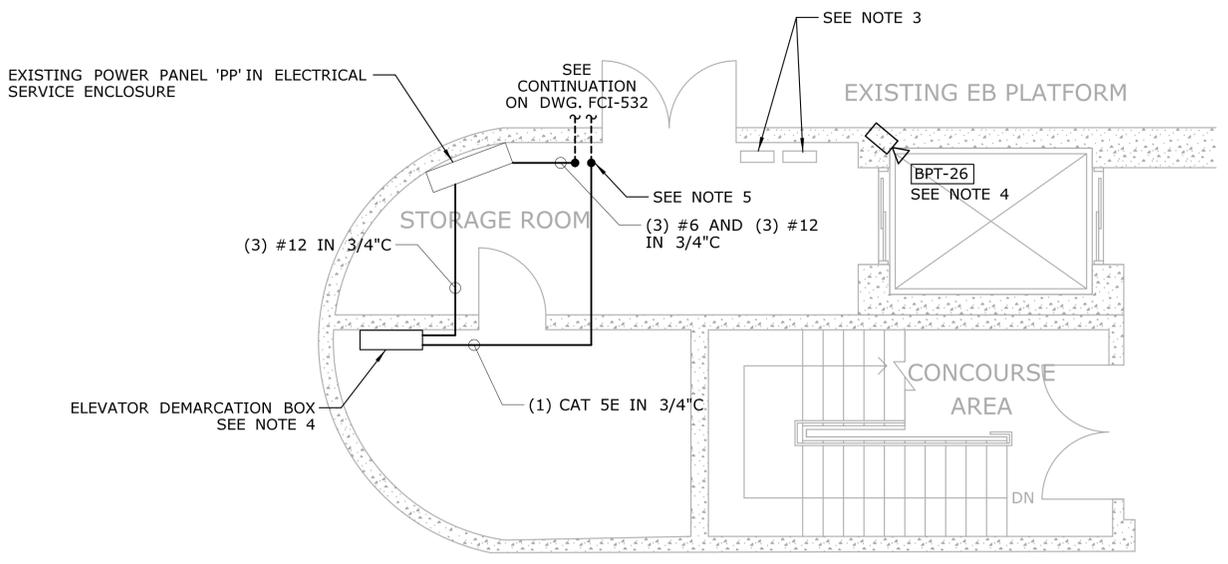




**1 BRIDGEPORT PARTIAL WB STATION PLAN - CONCOURSE LEVEL**  
FCI-534 NOT TO SCALE



**2 BRIDGEPORT PARTIAL WB STATION PLAN - STREET LEVEL**  
FCI-534 NOT TO SCALE (CONCOURSE B)



**3 BRIDGEPORT PARTIAL EB STATION PLAN - CONCOURSE LEVEL**  
FCI-534 NOT TO SCALE (CONCOURSE C)

- NOTES:**
- FOLLOW EXISTING CONDUITS INSTALLED AS PART OF THE BRIDGEPORT STATION IMPROVEMENTS PROJECTS (STATE PROJECT 301-0155).
  - PLAN DEPICTS FUTURE IT ROOM AND EB ELECTRICAL ROOM AS PART OF THE BRIDGEPORT STATION IMPROVEMENTS PROJECT. FINAL CONFIGURATIONS AND LAYOUTS MAY VARY. COORDINATE ALL WORK WITH STATION IMPROVEMENTS PROJECT.
  - EXISTING CAMERA POWER SUPPLIES. AFTER EXISTING PLATFORM CAMERAS HAVE BEEN REMOVED, REMOVE ANY UNUSED CAMERA POWER SUPPLIES. POWER SUPPLIES SHALL BE PACKAGED AND RETURNED TO THE ENGINEER.
  - THE CONTRACTOR SHALL COORDINATE THE INSTALLATION REQUIREMENTS OF THE ANALOG ELEVATOR CAMERAS WITH THE MANUFACTURER AND MAINTAINER OF THE ELEVATOR. SUBMIT A COMPLETE BILL OF MATERIALS AND SHOP DRAWINGS INDICATING ALL EQUIPMENT TO BE USED, TRAVELING CABLE REQUIREMENTS, AND OTHER DETAILS NECESSARY TO PERFORM THE INSTALLATION FOR APPROVAL. ELEVATOR CAMERAS SHALL BE INTEGRATED INTO THE SYSTEM WITH A NEW VIDEO ENCODER. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR A FULLY FUNCTIONAL ELEVATOR CAMERA INTEGRATED INTO THE CCTV SYSTEM.
  - TRANSITION CONDUITS UNDER PLATFORM. FOLLOW EXISTING CONDUITS INSTALLED AS PART OF THE BRIDGEPORT STATION IMPROVEMENTS PROJECTS (STATE PROJECT 301-0155).
  - CONDUITS RUNNING THROUGH ELEVATOR MACHINE ROOM NOT DIRECTLY SERVICING ELEVATOR EQUIPMENT SHALL BE SEPARATED WITH 2 HR. FIRE RATED ASSEMBLY. MODIFY EXISTING ASSEMBLY TO ACCOMMODATE NEW CONDUITS.
  - RACK TO BE FURNISHED AND INSTALLED BY MNR. COORDINATE FINAL LOCATION WITH MNR. INSTALL CONDUITS BETWEEN CABLE TRAY AND RACK FOR ALL REQUIRED CABLING.
  - FIBER OPTIC CABLE THROUGH CABLE TRAY SHALL BE INSTALLED IN HDPE INNERDUCT.
  - FURNISH AND INSTALL CCTV WORKSTATION IN MTPAD SPACE. COORDINATE FINAL LOCATION WITH MTPAD AND MNR.
  - EXISTING CAMERA SYSTEM EQUIPMENT LOCATION MAY BE RELOCATED BY STATION IMPROVEMENTS PROJECT. COORDINATE NEW CONDUITS AND CABLING.
  - EXISTING CCTV SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW SYSTEM IS IN PLACE, TESTED, AND COMMISSIONED. CONTRACTOR SHALL MINIMIZE DISRUPTIONS TO THE EXISTING SYSTEM. COORDINATE PHASING WITH MNR AND SUBMIT A DETAILED STAGING AND PHASING PLAN FOR APPROVAL BY THE ENGINEER. PROVIDE ALL TEMPORARY RELOCATIONS AND WIRING REQUIRED TO KEEP THE SYSTEM OPERATIONAL. USE LOOPING OUTPUTS FROM EXISTING DVR TO TEMPORARILY FEED THE NEW ENCODER FOR SIX (6) EXISTING CAMERAS TO REMAIN. AFTER NEW SYSTEM IS COMMISSIONED, RELOCATE EXISTING FO MEDIA CONVERTERS TO EXISTING RACK AND INSTALL PERMANENT COAX CABLING BETWEEN FO MEDIA CONVERTERS AND NEW ENCODER. DVR SHALL BE REMOVED AND RETURNED TO MNR SECURITY.

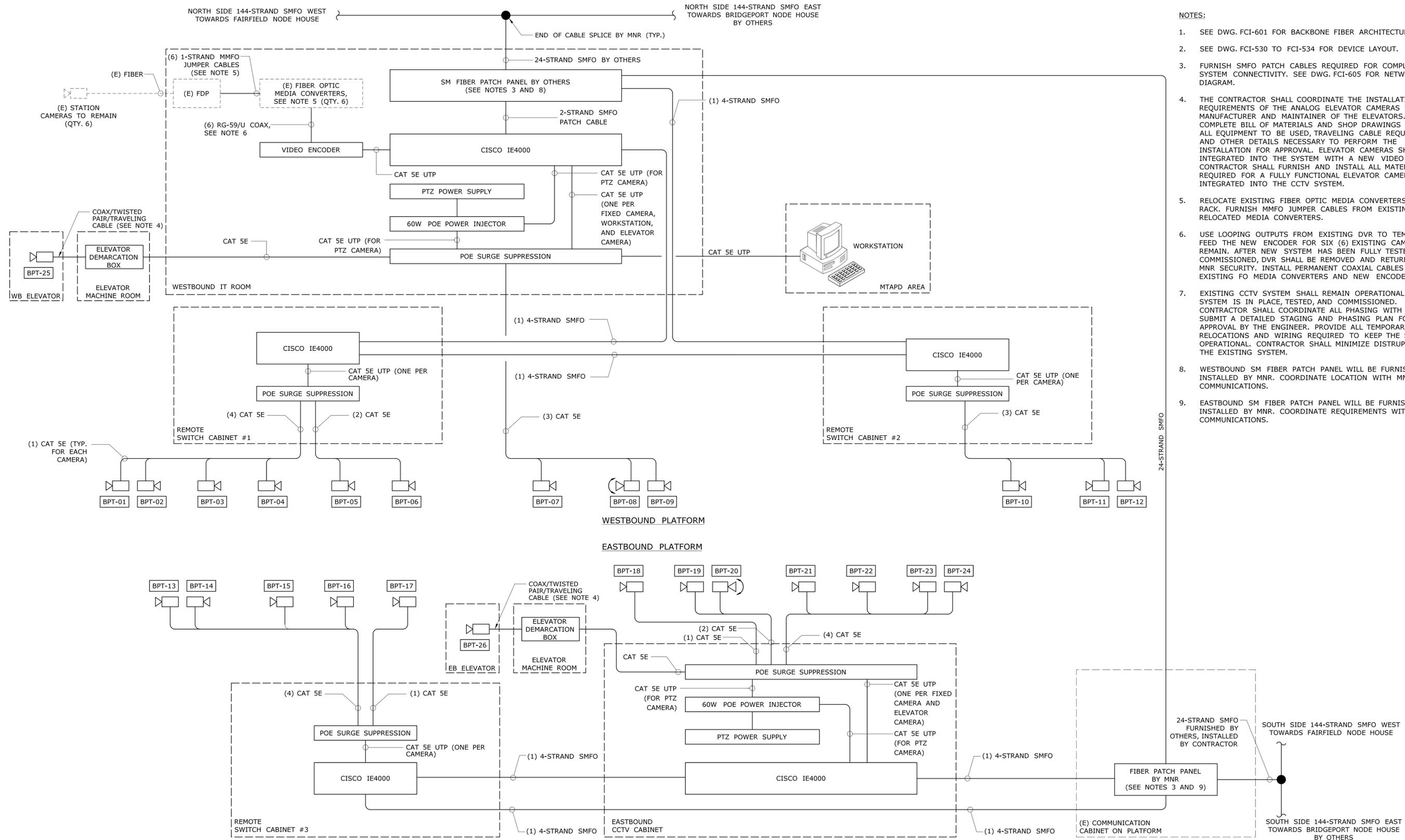
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: <b>EN/MK</b> CHECKED BY: <b>CH</b>	<b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION Filename: ...FCI-534_CT_Sheet_0300_0178.dgn	SIGNATURE/ BLOCK: 	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b>	TOWN: <b>WESTPORT TO STRATFORD</b>	PROJECT NO. <b>300-0178</b>
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 3/30/2016	NOT TO SCALE	SIGNATURE/ BLOCK: 		PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b>	TOWN: <b>WESTPORT TO STRATFORD</b>	PROJECT NO. <b>300-0178</b>	
<b>BRIDGEPORT STATION PARTIAL PLANS</b>						DRAWING NO. <b>FCI-534</b>	SHEET NO. <b>05.022</b>

CAMERA NUMBER	DESCRIPTION	FIXED OR PTZ	MOUNTING TYPE	MOUNTING DETAIL	MOUNTING HEIGHT (SEE NOTE 3)	DOME COVER	LENS	NOTES
BPT-01	WESTBOUND PLATFORM - WEST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	CLEAR	3-9mm	
BPT-02	WESTBOUND PLATFORM - WEST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-03	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-04	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-05	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-06	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-07	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-08	WESTBOUND PLATFORM	PTZ	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	4.4-132mm	SEE NOTE 4
BPT-09	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	SEE NOTE 4
BPT-10	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-11	WESTBOUND PLATFORM - EAST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-12	WESTBOUND PLATFORM - EAST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	CLEAR	3-9mm	
BPT-13	EASTBOUND PLATFORM - WEST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	CLEAR	3-9mm	
BPT-14	EASTBOUND PLATFORM - WEST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-15	EASTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-16	EASTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-17	EASTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-18	EASTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-19	EASTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-20	EASTBOUND PLATFORM	PTZ	AWNING PENDANT	FCI-643, DETAIL 4	8'-8"	SMOKED	4.4-132mm	
BPT-21	EASTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-22	EASTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-23	EASTBOUND PLATFORM - EAST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	SMOKED	3-9mm	
BPT-24	EASTBOUND PLATFORM - EAST END	FIXED	CANOPY	FCI-641, DETAIL 2	8'-8"	CLEAR	3-9mm	
BPT-25	WESTBOUND ELEVATOR	FIXED	ELEVATOR	N/A	TOP OF CAB	CLEAR	2mm	
BPT-26	EASTBOUND ELEVATOR	FIXED	ELEVATOR	N/A	TOP OF CAB	CLEAR	2mm	

**NOTES:**

- SEE DWG. FCI-530 TO FCI-533 FOR DEVICE LAYOUTS.
- SEE DWG. FCI-536 FOR DEVICE CONNECTIVITY DIAGRAM.
- MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE COORDINATED WITH EXISTING FIELD CONDITIONS AND PRE-INSTALLATION FIELD-OF-VIEW SURVEYS BY THE CONTRACTOR.
- OFFSET PTZ CAMERA BPT-08 FROM FIXED CAMERA BPT-09. FIXED CAMERA BPT-09 SHALL BE MOUNTED CLOSER TO PLATFORM EDGE UNLESS OTHERWISE DETERMINED BY FIELD-OF-VIEW SURVEY AND APPROVED BY THE ENGINEER. ENSURE PTZ CAMERA CAN VIEW BOTH DIRECTIONS ALONG THE PLATFORM AND THE ENTRY DOOR TO STATION.
- NEW VARIABLE MESSAGE SIGNS AND STATIC STATION SIGNS WILL BE INSTALLED AS PART OF THE BRIDGEPORT STATION IMPROVEMENTS PROJECT (BY OTHERS). COORDINATE ALL CAMERA MOUNTING WITH NEW SIGNS. ENSURE CAMERA VIEWS ARE NOT OBSTRUCTED AND CAMERAS DO NOT OBSTRUCT SIGNS.

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			



- NOTES:**
- SEE DWG. FCI-601 FOR BACKBONE FIBER ARCHITECTURE.
  - SEE DWG. FCI-530 TO FCI-534 FOR DEVICE LAYOUT.
  - FURNISH SMFO PATCH CABLES REQUIRED FOR COMPLETE SYSTEM CONNECTIVITY. SEE DWG. FCI-605 FOR NETWORK DIAGRAM.
  - THE CONTRACTOR SHALL COORDINATE THE INSTALLATION REQUIREMENTS OF THE ANALOG ELEVATOR CAMERAS WITH THE MANUFACTURER AND MAINTAINER OF THE ELEVATORS. SUBMIT A COMPLETE BILL OF MATERIALS AND SHOP DRAWINGS INDICATING ALL EQUIPMENT TO BE USED, TRAVELING CABLE REQUIREMENTS, AND OTHER DETAILS NECESSARY TO PERFORM THE INSTALLATION FOR APPROVAL. ELEVATOR CAMERAS SHALL BE INTEGRATED INTO THE SYSTEM WITH A NEW VIDEO ENCODER. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR A FULLY FUNCTIONAL ELEVATOR CAMERA INTEGRATED INTO THE CCTV SYSTEM.
  - RELOCATE EXISTING FIBER OPTIC MEDIA CONVERTERS TO CCTV RACK. FURNISH MMFO JUMPER CABLES FROM EXISTING FDP TO RELOCATED MEDIA CONVERTERS.
  - USE LOOPING OUTPUTS FROM EXISTING DVR TO TEMPORARILY FEED THE NEW ENCODER FOR SIX (6) EXISTING CAMERAS TO REMAIN. AFTER NEW SYSTEM HAS BEEN FULLY TESTED AND COMMISSIONED, DVR SHALL BE REMOVED AND RETURNED TO MNR SECURITY. INSTALL PERMANENT COAXIAL CABLES BETWEEN EXISTING FO MEDIA CONVERTERS AND NEW ENCODER.
  - EXISTING CCTV SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW SYSTEM IS IN PLACE, TESTED, AND COMMISSIONED. CONTRACTOR SHALL COORDINATE ALL PHASING WITH MNR AND SUBMIT A DETAILED STAGING AND PHASING PLAN FOR APPROVAL BY THE ENGINEER. PROVIDE ALL TEMPORARY RELOCATIONS AND WIRING REQUIRED TO KEEP THE SYSTEM OPERATIONAL. CONTRACTOR SHALL MINIMIZE DISTURPTIONS TO THE EXISTING SYSTEM.
  - WESTBOUND SM FIBER PATCH PANEL WILL BE FURNISHED AND INSTALLED BY MNR. COORDINATE LOCATION WITH MNR COMMUNICATIONS.
  - EASTBOUND SM FIBER PATCH PANEL WILL BE FURNISHED AND INSTALLED BY MNR. COORDINATE REQUIREMENTS WITH MNR COMMUNICATIONS.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: <b>EN/MN</b> CHECKED BY: <b>CH</b> NOT TO SCALE	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...FCI-536_FA_Sheet_0300-0178.dgn	SIGNATURE/ BLOCK:  STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE          UPGRADE FOR SECURITY          NEW HAVEN LINE          PHASE 2</b>	TOWN: <b>WESTPORT          TO STRATFORD</b> DRAWING TITLE: <b>BRIDGEPORT STATION          DEVICE CONNECTIVITY</b>	PROJECT NO. <b>300-0178</b> DRAWING NO. <b>FCI-536</b> SHEET NO. <b>05.024</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 4/1/2016			

**TRACK 3 PANEL "PP"**  
WESTBOUND BRIDGEPORT STATION  
SEE NOTE 1

SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
PLATFORM RECEPTACLES	20	1	2	20	RECEPTACLES/REAL TIME DISPLAY
PLATFORM RECEPTACLES	20	3	4	20	RECEPTACLES - SEP CABINET
SPARE	20	5	6	20	RECEPTACLES - SEP CABINET
SPARE	20	7	8		SPACE
LIGHTING PANEL LP	30	9	10	30	EMERG. LIGHT PANEL "LEP"
		11	12		
TRACK 3 PANEL "PP"	125	13	14	20	SPARE
		15	16	20	SPARE
		17	18	20	SPARE
IT ROOM PANEL	60	19	20	20	ELEVATOR DEMARCATION BOX
		21	22	20	REMOTE SWITCH CABINET #1
SPARE	20	23	24	20	REMOTE SWITCH CABINET #2

SEE NOTE 2  
SEE NOTE 2  
SEE NOTE 2

120/240VAC, 1 PHASE, 3 WIRE  
MAIN BREAKER: 200A  
LOCATION: WESTBOUND ELECTRICAL ROOM

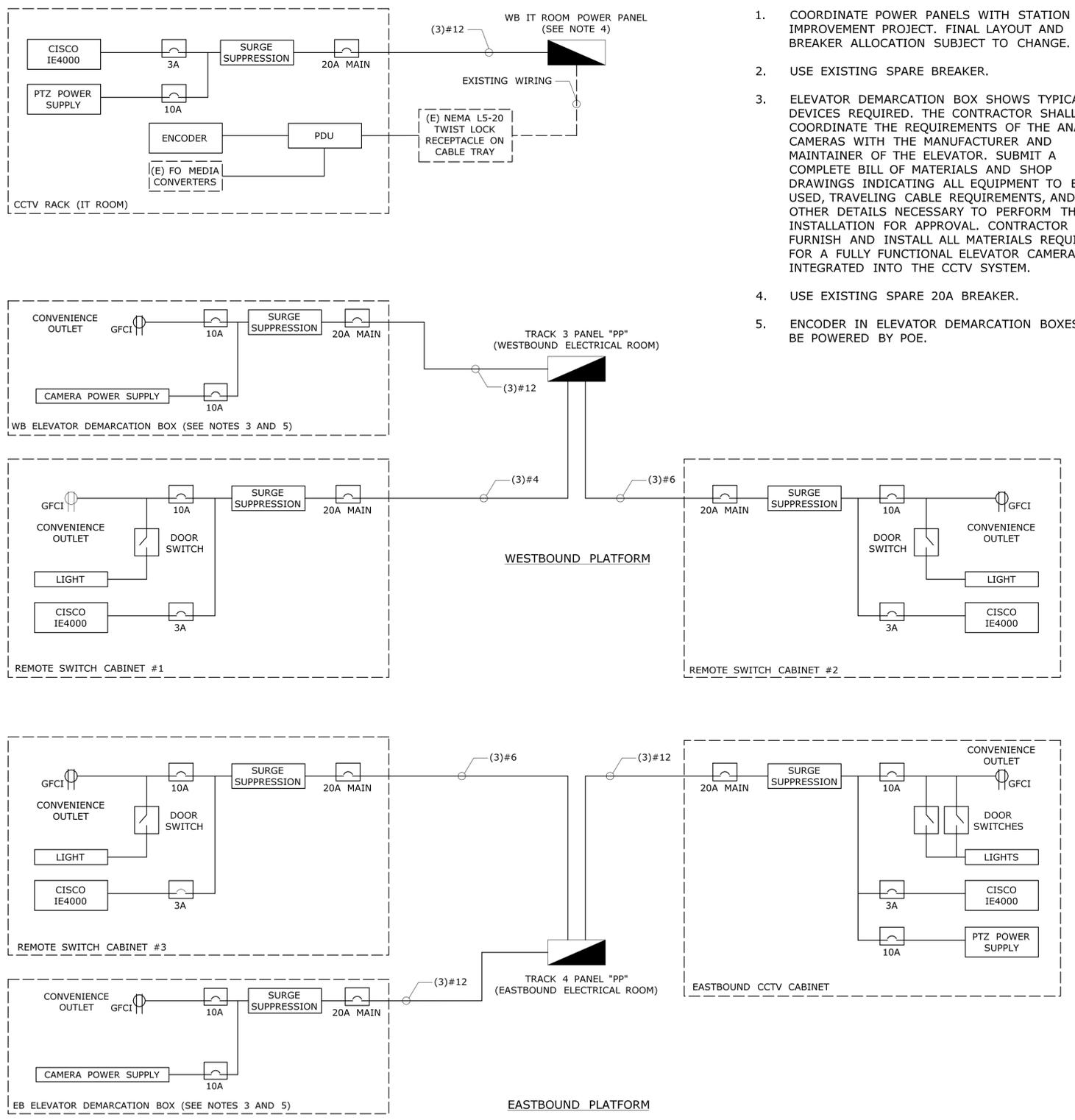
**TRACK 4 PANEL "PP"**  
EASTBOUND BRIDGEPORT STATION  
SEE NOTE 1

SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
PLATFORM RECEPTACLES	20	1	2	20	RECEPTACLES/REAL TIME DISPLAY
PLATFORM RECEPTACLES	20	3	4	20	RECEPTACLES - SEP CABINET
SPACE		5	6	20	RECEPTACLES - SEP CABINET
SPACE		7	8		SPACE
LIGHTING PANEL LP	30	9	10	30	EMERG. LIGHT PANEL "LEP"
		11	12		
SPARE	20	13	14	20	SPARE
SPARE	20	15	16	20	SPARE
SPARE	20	17	18	20	SPARE
SPARE	20	19	20	20	ELEVATOR DEMARCATION BOX
SPARE	20	21	22	20	EASTBOUND CCTV CABINET
SPARE	20	23	24	20	EASTBOUND REMOTE CCTV CABINET #3

SEE NOTE 2  
SEE NOTE 2  
SEE NOTE 2

120/240VAC, 1 PHASE, 3 WIRE  
MAIN BREAKER: 125A  
LOCATION: EASTBOUND ELECTRICAL ROOM

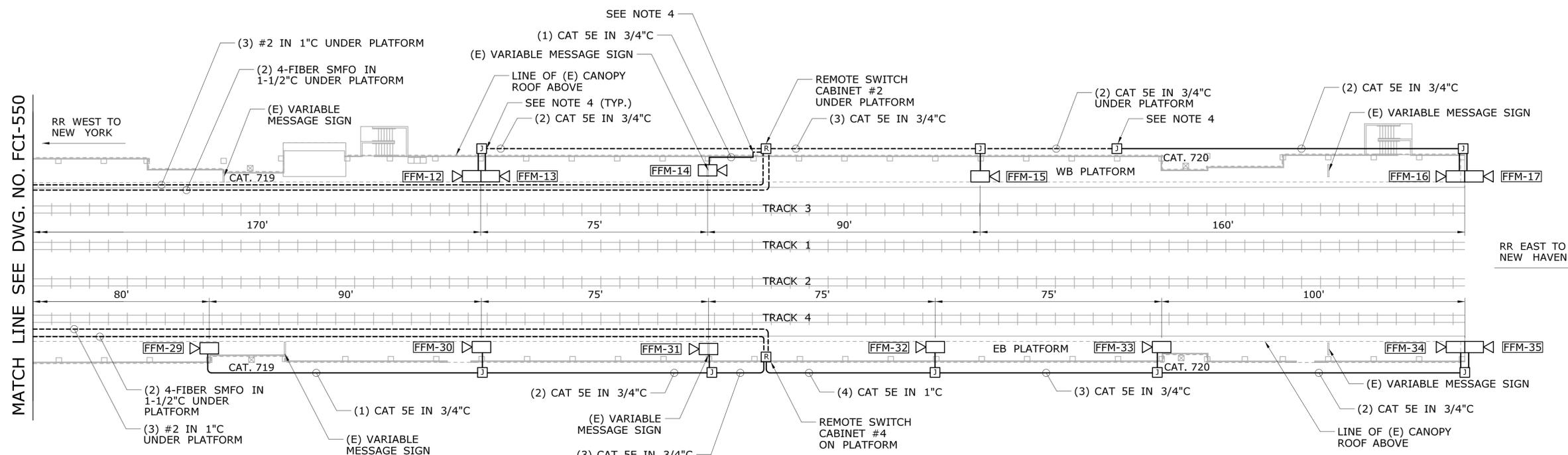
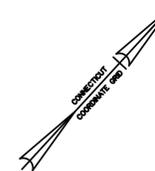
**1 BRIDGEPORT STATION POWER PANEL SCHEDULES**  
FCI-537 NOT TO SCALE



- NOTES:**
- COORDINATE POWER PANELS WITH STATION IMPROVEMENT PROJECT. FINAL LAYOUT AND BREAKER ALLOCATION SUBJECT TO CHANGE.
  - USE EXISTING SPARE BREAKER.
  - ELEVATOR DEMARCATION BOX SHOWS TYPICAL DEVICES REQUIRED. THE CONTRACTOR SHALL COORDINATE THE REQUIREMENTS OF THE ANALOG CAMERAS WITH THE MANUFACTURER AND MAINTAINER OF THE ELEVATOR. SUBMIT A COMPLETE BILL OF MATERIALS AND SHOP DRAWINGS INDICATING ALL EQUIPMENT TO BE USED, TRAVELING CABLE REQUIREMENTS, AND OTHER DETAILS NECESSARY TO PERFORM THE INSTALLATION FOR APPROVAL. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR A FULLY FUNCTIONAL ELEVATOR CAMERA INTEGRATED INTO THE CCTV SYSTEM.
  - USE EXISTING SPARE 20A BREAKER.
  - ENCODER IN ELEVATOR DEMARCATION BOXES WILL BE POWERED BY POE.

**2 BRIDGEPORT STATION POWER DISTRIBUTION**  
FCI-537 NOT TO SCALE





- NOTES:**
- 144-FIBER CABLES NOT SHOWN ON THIS DRAWING FOR CLARITY. BACKBONE FIBER ON NORTH SIDE SHALL RUN IN 1-1/2" CONDUIT UNDER WB PLATFORM. BACKBONE FIBER ON SOUTH SIDE SHALL RUN IN EXISTING DUCT UNDER EB PLATFORM. SEE DWG. FCI-324 AND FCI-325.
  - CONDUIT ON THIS SHEET SHALL RUN ALONG CANOPY UNLESS OTHERWISE NOTED. CONDUITS ALONG CANOPY SHALL RUN ALONG EXISTING CONDUIT TRAY. WHERE THE INSIDE OF THE EXISTING CONDUIT TRAY IS FULL, RUN CONDUIT ALONG OUTSIDE OR TOP OF CONDUIT TRAY.
  - SEE DWG. FCI-553 FOR CAMERA SCHEDULE.
  - TRANSITION CONDUIT FROM CANOPY TO UNDER PLATFORM AT CANOPY COLUMN.
  - STRUT CHANNEL AT FAIRFIELD METRO SHALL BE PVC COATED TO MATCH EXISTING. STAINLESS STEEL STRAPS SHALL NOT BE USED WITH PVC COATED STRUT.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/30/2016

DESIGNER/DRAFTER:  
**EN/MK**

CHECKED BY:  
**CH**

SCALE IN FEET  
0 20 40  
SCALE 1"=20'



SIGNATURE/  
BLOCK:

STV Incorporated  
185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:  
**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

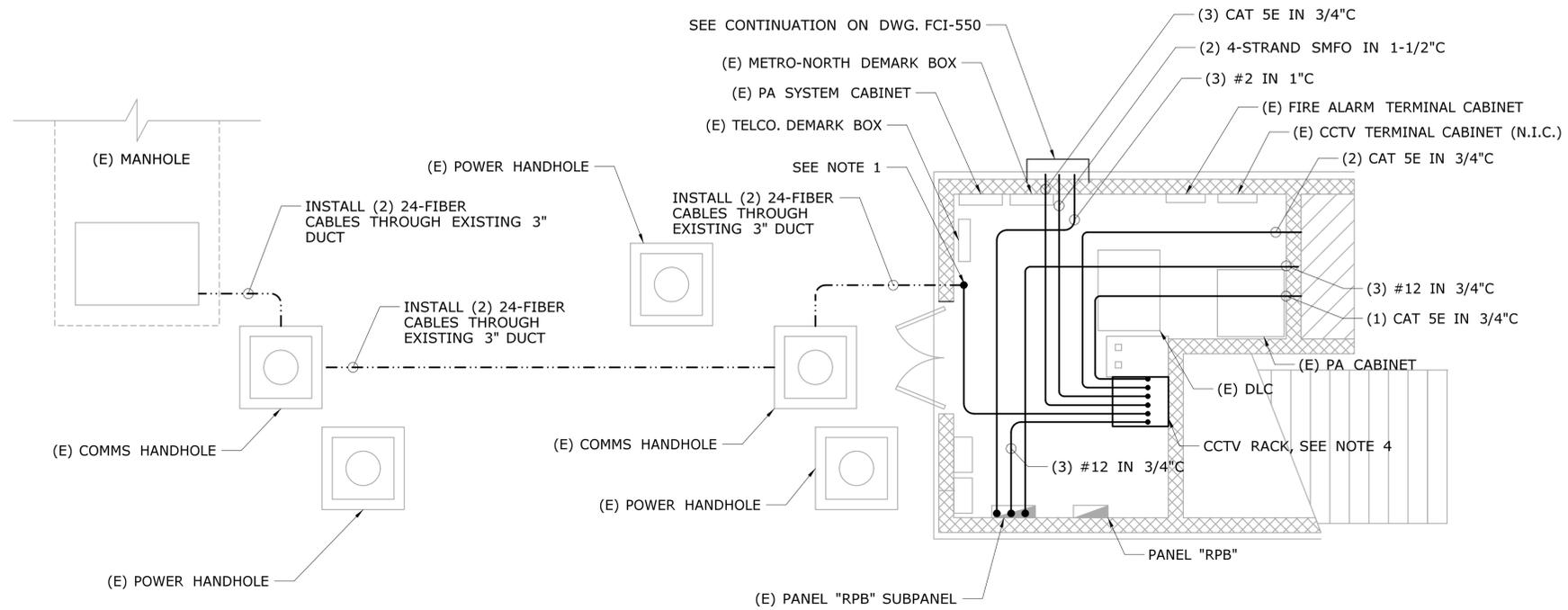
TOWN:  
**WESTPORT  
TO STRATFORD**

DRAWING TITLE:  
**FAIRFIELD METRO STATION  
SHEET 2 OF 2**

PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-551**

SHEET NO.  
**05.027**



**EASTBOUND ELECTRICAL ROOM AND PARTIAL DUCTBANK PLAN**

**NOTES:**

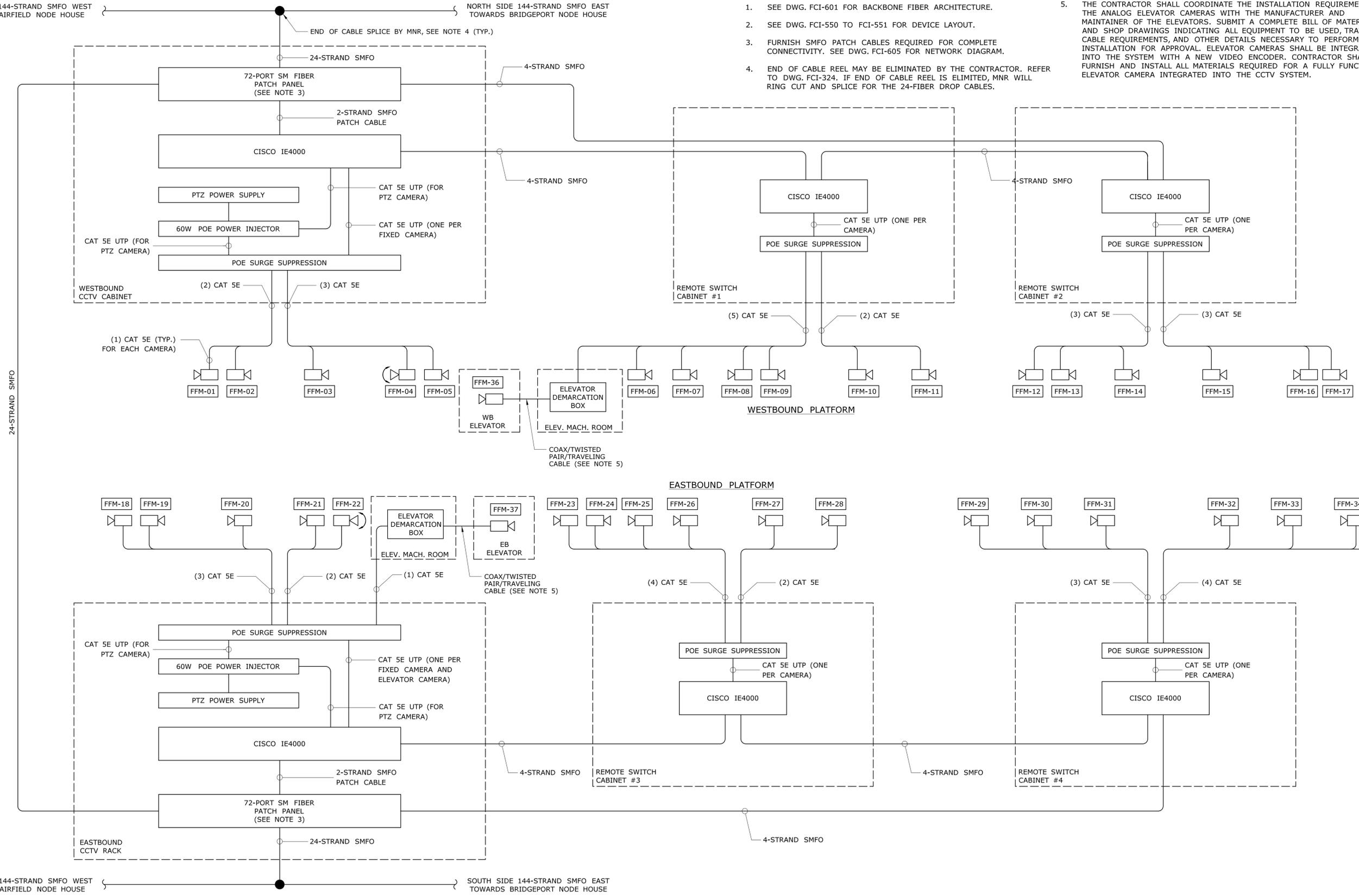
- EXISTING 3" RGS DUCT STUBS UP INTO EB ELECTRICAL ROOM. CONTRACTOR SHALL VERIFY EXACT STUB UP LOCATION. EXTEND RGS UP WALL, INSTALL PULL BOX, AND CONTINUE FIBER CABLE IN 1" RGS.
- MANHOLE AND HANDHOLE LOCATIONS OUTSIDE OF ROOM ARE APPROXIMATE. FIELD VERIFY ALL EXISTING CONDITIONS.
- SEE DWG. FCI-550 FOR LOCATION AND CONDUIT CONTINUATION.
- SEE DWG. FCI-557 FOR RACK INFORMATION.

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REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 3/30/2016	SCALE 1/4" = 1'-0"		Filename: ...FCI-552_CT_Sheet_0300-0178.dgn				



NORTH SIDE 144-STRAND SMFO WEST TOWARDS FAIRFIELD NODE HOUSE

NORTH SIDE 144-STRAND SMFO EAST TOWARDS BRIDGEPORT NODE HOUSE



NOTES:

- SEE DWG. FCI-601 FOR BACKBONE FIBER ARCHITECTURE.
- SEE DWG. FCI-550 TO FCI-551 FOR DEVICE LAYOUT.
- FURNISH SMFO PATCH CABLES REQUIRED FOR COMPLETE CONNECTIVITY. SEE DWG. FCI-605 FOR NETWORK DIAGRAM.
- END OF CABLE REEL MAY BE ELIMINATED BY THE CONTRACTOR. REFER TO DWG. FCI-324. IF END OF CABLE REEL IS ELIMINATED, MNR WILL RING CUT AND SPLICE FOR THE 24-FIBER DROP CABLES.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION REQUIREMENTS OF THE ANALOG ELEVATOR CAMERAS WITH THE MANUFACTURER AND MAINTAINER OF THE ELEVATORS. SUBMIT A COMPLETE BILL OF MATERIALS AND SHOP DRAWINGS INDICATING ALL EQUIPMENT TO BE USED, TRAVELING CABLE REQUIREMENTS, AND OTHER DETAILS NECESSARY TO PERFORM THE INSTALLATION FOR APPROVAL. ELEVATOR CAMERAS SHALL BE INTEGRATED INTO THE SYSTEM WITH A NEW VIDEO ENCODER. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR A FULLY FUNCTIONAL ELEVATOR CAMERA INTEGRATED INTO THE CCTV SYSTEM.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: <b>EN/MN</b> CHECKED BY: <b>CH</b> NOT TO SCALE	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...FCI-554_FA_Sheet_0300-0178.dgn	SIGNATURE/BLOCK:  STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b>	TOWN: <b>WESTPORT TO STRATFORD</b> DRAWING TITLE: <b>FAIRFIELD METRO STATION DEVICE CONNECTIVITY</b>	PROJECT NO. <b>300-0178</b> DRAWING NO. <b>FCI-554</b> SHEET NO. <b>05.030</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			

PANEL RPA SUBPANEL WESTBOUND FAIRFIELD METRO STATION					
SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
MAIN BREAKER	100	1	2		SPACE
		3	4		SPACE
TVM	20	5	6	20	EXISTING LOAD
TVM	20	7	8	20	SIGNS
E-MON/D-MON	20	9	10	20	WESTBOUND CCTV CABINET
E-MON/D-MON	20	11	12	20	WESTBOUND REMOTE CCTV CABINETS
SPACE		13	14	20	WESTBOUND ELEVATOR DEMARCATION
SPACE		15	16		SPACE

SEE NOTE 1  
SEE NOTE 1  
SEE NOTE 1

120/208VAC, 1 PHASE, 3 WIRE  
FED FROM: PANEL RPA, CIRCUITS 27, 29  
MAIN BREAKER: 100A  
LOCATION: WESTBOUND ELECTRICAL ROOM

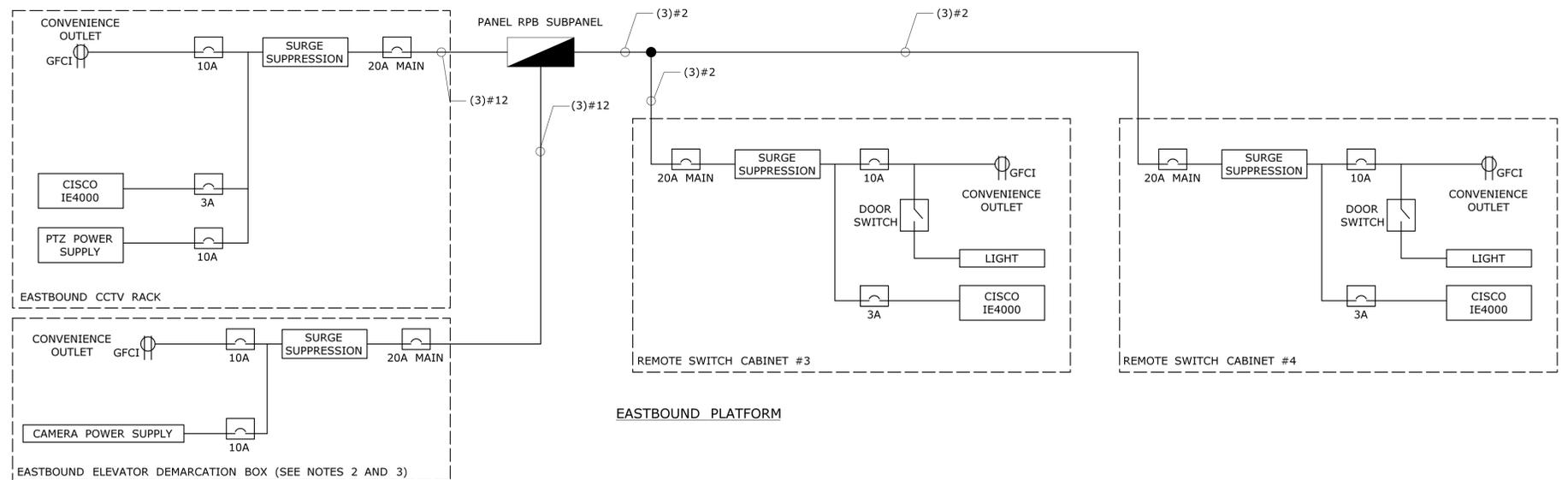
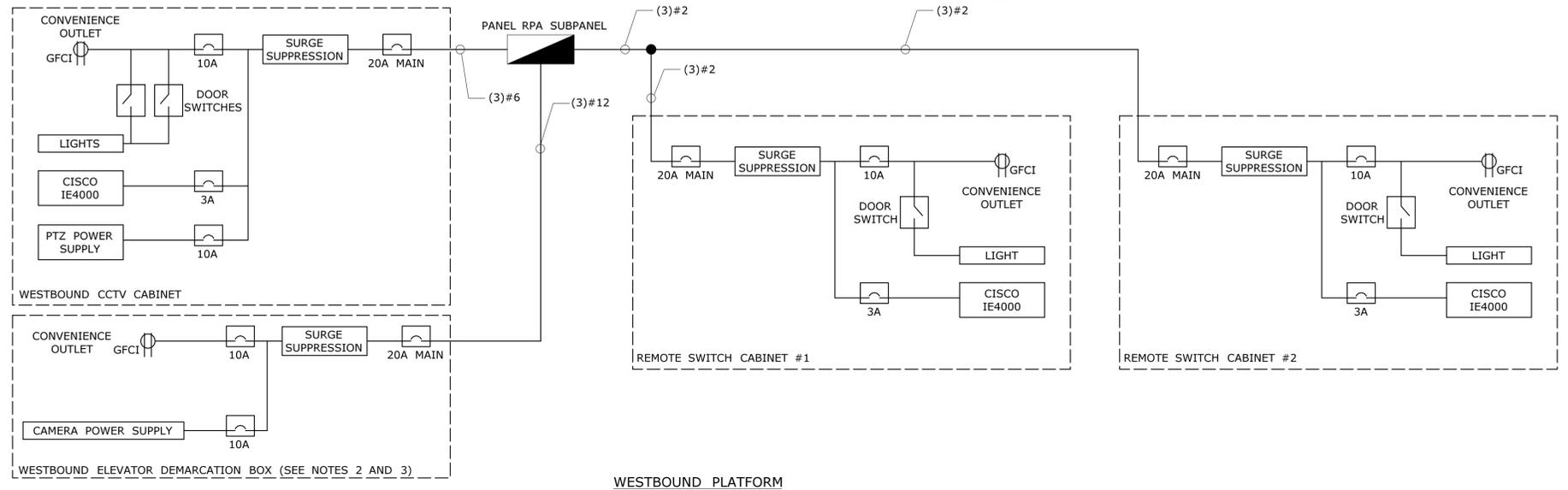
PANEL RPB SUBPANEL EASTBOUND FAIRFIELD METRO STATION					
SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
MAIN BREAKER	100				
TVM #20	20	1	2	20	TVM #30 (OFF)
TVM #22 (OFF)	20	3	4	20	TVM #29 (OFF)
TVM #24 (OFF)	20	5	6	20	TVM #27 (OFF)
PA CIRCUIT	20	7	8	20	
PA CIRCUIT	20	9	10	20	DLC
NEW INTERFACE CIRCUIT (IT)	20	11	12	20	VMS
EASTBOUND CCTV RACK	20	13	14	20	
EASTBOUND REMOTE CCTV CABINETS	20	15	16	20	E-MON/D-MON
EASTBOUND ELEVATOR DEMARCATION	20	17	18		SPACE
SPACE		19	20		SPACE

SEE NOTE 1  
SEE NOTE 1  
SEE NOTE 1

120/208VAC, 1 PHASE, 3 WIRE  
FED FROM: PANEL RPB, CIRCUITS 26, 28  
MAIN BREAKER: 100A  
LOCATION: EASTBOUND ELECTRICAL ROOM

NOTES:

- FURNISH AND INSTALL NEW 20A BREAKER. BREAKER SHALL BE OF SAME TYPE AND AIC RATING AS EXISTING BREAKERS.
- ELEVATOR DEMARCATION BOX SHOWS TYPICAL DEVICES REQUIRED. THE CONTRACTOR SHALL COORDINATE THE REQUIREMENTS OF THE ANALOG CAMERAS WITH THE MANUFACTURER AND MAINTAINER OF THE ELEVATOR. SUBMIT A COMPLETE BILL OF MATERIALS AND SHOP DRAWINGS INDICATING ALL EQUIPMENT TO BE USED, TRAVELING CABLE REQUIREMENTS, AND OTHER DETAILS NECESSARY TO PERFORM THE INSTALLATION FOR APPROVAL. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR A FULLY FUNCTIONAL ELEVATOR CAMERA INTEGRATED INTO THE CCTV SYSTEM.
- ENCODER IN ELEVATOR DEMARCATION BOXES WILL BE POWERED BY POE.

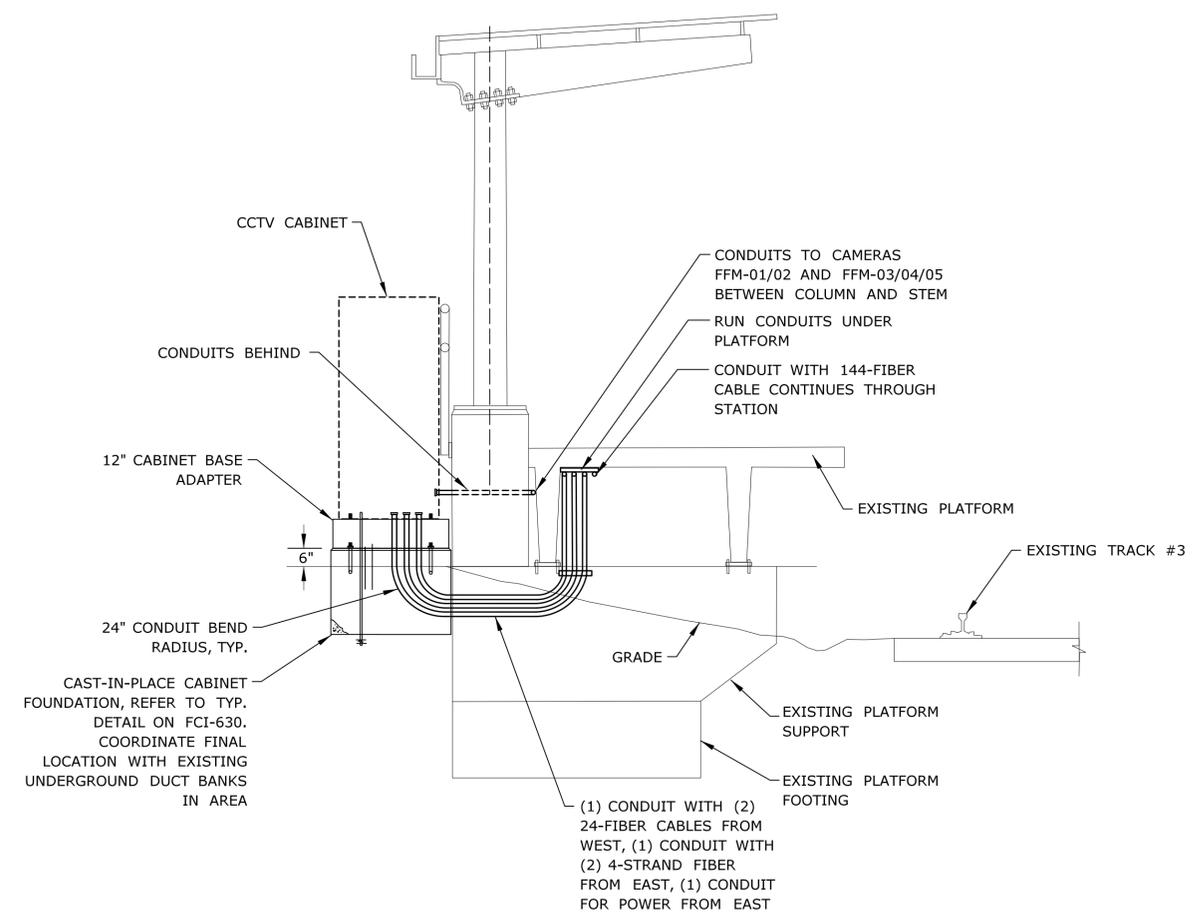


**1 FAIRFIELD METRO STATION POWER PANEL SCHEDULES**  
FCI-555 NOT TO SCALE

**2 FAIRFIELD METRO STATION POWER DISTRIBUTION**  
FCI-555

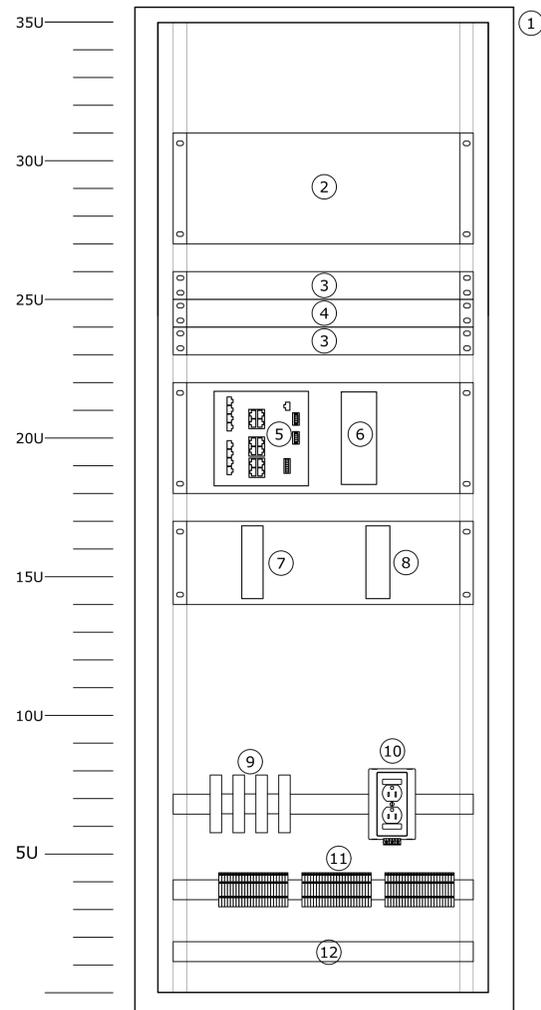
DESIGNER/DRAFTER: <b>EN/MN</b>	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	<p>STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461</p>	<p>PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b></p>	<p>TOWN: <b>WESTPORT TO STRATFORD</b></p>	<p>PROJECT NO. <b>300-0178</b></p>
CHECKED BY: <b>CH</b>					
NOT TO SCALE	<p>Plotted Date: 3/30/2016</p>	<p>Signature/Block:</p>	<p>DRAWING TITLE: <b>FAIRFIELD METRO STATION POWER DISTRIBUTION</b></p>	<p>SHEET NO. <b>05.031</b></p>	

NOTE:  
SEE DWG. FCI-550 FOR LOCATION PLAN.



**1** FAIRFIELD METRO WB PLATFORM CCTV CABINET  
FCI-556 NOT TO SCALE

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: <b>EN/MN</b> CHECKED BY: <b>CH</b> SCALE AS NOTED	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION Filename: ...FCI-556_FA_Sheet_0300-0178.dgn	SIGNATURE/BLOCK:  STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b>	TOWN: <b>WESTPORT TO STRATFORD</b> DRAWING TITLE: <b>FAIRFIELD METRO WB CABINET CONDUIT DETAIL</b>	PROJECT NO. <b>300-0178</b> DRAWING NO. <b>FCI-556</b> SHEET NO. <b>05.032</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			



**CABINET INTERIOR**  
(DOOR REMOVED)

PARTS LIST		
SEE NOTE 3		
ITEM NO.	QTY.	DESCRIPTION
1	1	RACK ENCLOSURE
2	1	72-PORT FIBER OPTIC PATCH PANEL WITH SPLICE TRAYS (SLIDING TYPE)
3	AS NEEDED	CABLE MANAGEMENT PANELS
4	1	POE SURGE SUPPRESSION
5	1	CISCO IE4000 POE NETWORK SWITCH
6	1	170W CISCO POWER SUPPLY
7	1	60W POE INJECTOR
8	1	PTZ POWER SUPPLY
9	AS REQUIRED	CIRCUIT BREAKERS
10	1	DUPLEX CONVENIENCE OUTLET (GFCI)
11	AS NEEDED	TERMINAL BLOCKS
12	1	GROUND BUS BAR
13	1	TAMPER SWITCH (NOT SHOWN, SEE NOTE 8)
14	1	SURGE PROTECTOR (NOT SHOWN)

**NOTES:**

- GROUND NEW RACK TO EXISTING GROUND BUS BAR IN ROOM.
- INSTALL 3" CONCRETE PAD FOR RACK. ANCHOR RACK TO PAD IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.
- DRAWING DEPICTS TYPICAL PARTS REQUIRED FOR CCTV RACK. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL SUBMIT FINAL CABINET LAYOUTS, MOUNTING DETAILS, AND WIRING DIAGRAMS FOR APPROVAL BY THE ENGINEER.
- EQUIPMENT WITHIN THE ENCLOSURE SHALL BE CLEARLY LABELED. PROVIDE DRAWING POCKET WITH COMPLETE, APPROVED WIRING DIAGRAMS WITHIN ENCLOSURE.
- COORDINATE DOOR SWING WITH SURROUNDING AREA.
- FURNISH AND INSTALL ALL MOUNTING BRACKETS, HARDWARE, OFFSETS, ETC. REQUIRED TO INSTALL THE EQUIPMENT. ENSURE PROPER CLEARANCE IS PROVIDED BETWEEN DOORS AND EQUIPMENT FOR CABLING. PROVIDE OFFSET BRACKETS AS NECESSARY FOR PROPER INSTALLATION.
- EQUIPMENT INSTALLED IN THE RACK THAT REQUIRES REAR ACCESS SHALL BE INSTALLED ON SLIDE RAILS.
- WIRE TAMPER SWITCH TO IE4000 ALARM INPUTS FOR NMS MONITORING.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAFTER:  
**EN/MN**  
CHECKED BY:  
**CH**  
NOT TO SCALE

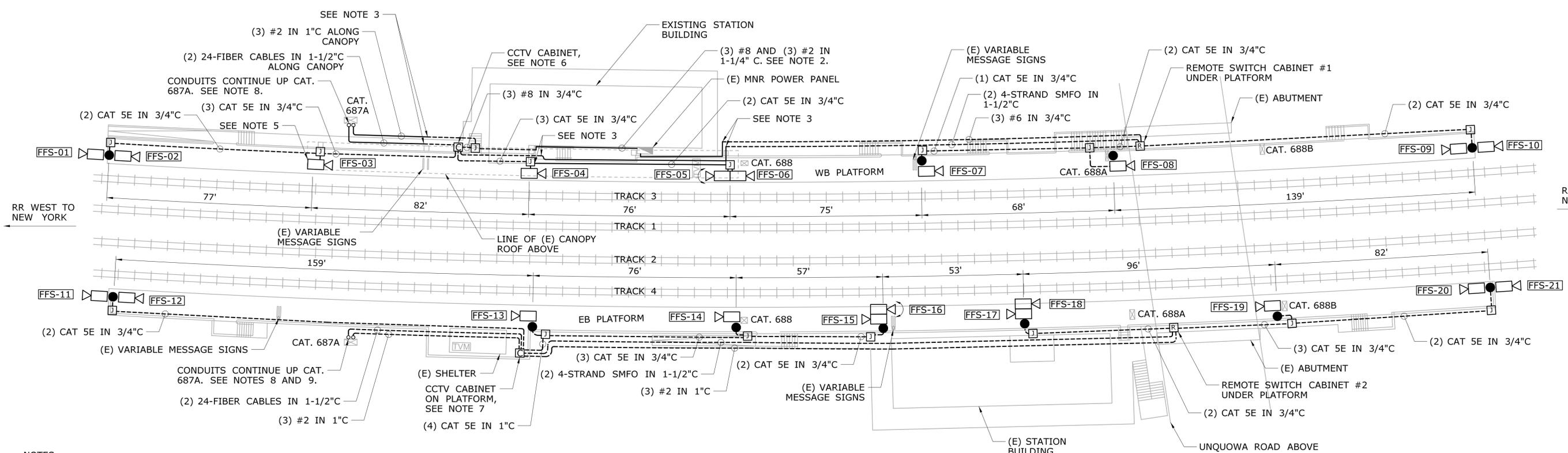

**STATE OF CONNECTICUT**  
**DEPARTMENT OF TRANSPORTATION**  
 Filename: ...FCI-557\_FA\_Sheet\_0300-0178.dgn

SIGNATURE/BLOCK:  
  
 STV Incorporated  
 185 Plains Road  
 Suite 208E  
 Milford, CT 06461

PROJECT TITLE:  
**NETWORK INFRASTRUCTURE  
 UPGRADE FOR SECURITY  
 NEW HAVEN LINE  
 PHASE 2**

TOWN:  
**WESTPORT  
 TO STRATFORD**  
 DRAWING TITLE:  
**FAIRFIELD METRO STATION  
 EB RACK LAYOUT**

PROJECT NO.  
**300-0178**  
 DRAWING NO.  
**FCI-557**  
 SHEET NO.  
**05.033**



- NOTES:**
- EXISTING TOWN OF FAIRFIELD CCTV SYSTEMS IN AND AROUND STATION BUILDINGS (NOT SHOWN FOR CLARITY) TO REMAIN. NOT IN CONTRACT.
  - CONDUIT FROM POWER PANEL SHALL RUN ALONG FACE OF BUILDING AND TRANSITION BELOW PLATFORM AT COLUMN, FOLLOWING EXISTING CONDUIT.
  - TRANSITION CONDUIT FROM BELOW PLATFORM TO CANOPY AT CANOPY COLUMN.
  - SEE CAMERA SCHEDULE ON DWG. FCI-561.
  - RELOCATE EXISTING "TRACK 3" SIGN TOWARDS REAR OF CANOPY.
  - PROVIDE TWO (2) BOLLARDS IN FRONT OF WB CCTV CABINET.
  - INSTALL JUNCTION BOX UNDER PLATFORM NEAR CCTV CABINET LOCATION. SPLICE POWER WIRING FOR EB CABINETS IN JUNCTION BOX.
  - SEE DWG. FCI-316 FOR CABLE ROUTING PLAN. SEE DWG. FCI-615 FOR FIBER DROP SCHEMATIC AT FAIRFIELD STATION.
  - SEE DWG. FCI-564 FOR CONDUIT ROUTING DETAILS ON SOUTH SIDE OF CAT. 687A.

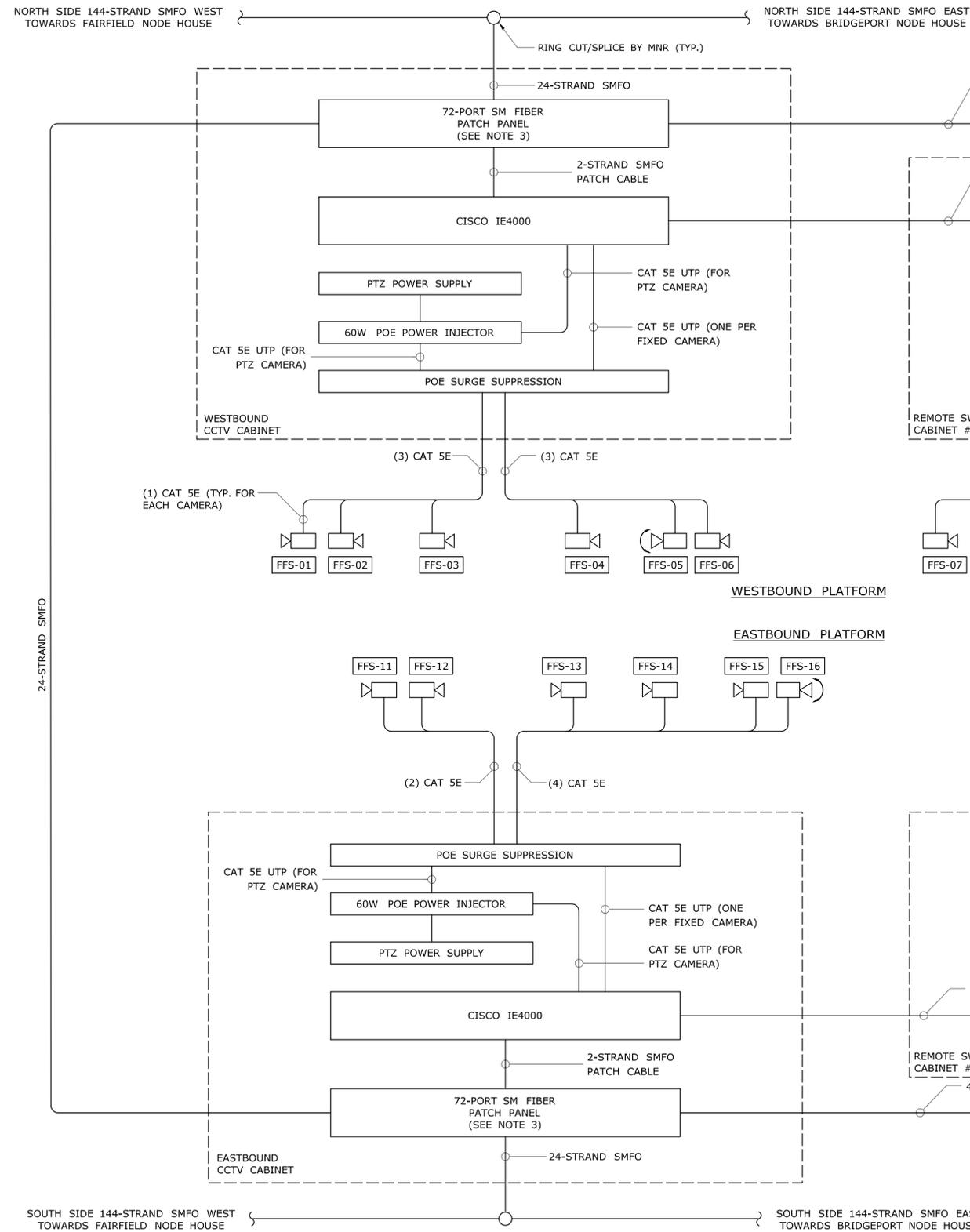
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: <b>EN/MK</b> CHECKED BY: <b>CH</b> SCALE IN FEET 0 20 40 SCALE 1"=20' Plotted Date: 5/3/2016	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...FCI-560_CT_Sheet_0300-0178.dgn	SIGNATURE/ BLOCK: STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE          UPGRADE FOR SECURITY          NEW HAVEN LINE          PHASE 2</b>	TOWN: <b>WESTPORT          TO STRATFORD</b> DRAWING TITLE: <b>FAIRFIELD STATION</b>	PROJECT NO. <b>300-0178</b> DRAWING NO. <b>FCI-560</b> SHEET NO. <b>05.034</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.				

CAMERA NUMBER	DESCRIPTION	FIXED OR PTZ	MOUNTING TYPE	MOUNTING DETAIL	MOUNTING HEIGHT (SEE NOTE 3)	DOME COVER	LENS	NOTES
FFS-01	WESTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH FFS-02
FFS-02	WESTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH FFS-01
FFS-03	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	3-9mm	
FFS-04	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	3-9mm	
FFS-05	WESTBOUND PLATFORM	PTZ	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	4.4-132mm	SEE NOTE 4
FFS-06	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	3-9mm	SEE NOTE 4
FFS-07	WESTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	9'-0"	SMOKED	3-9mm	SEE NOTE 5
FFS-08	WESTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	9'-0"	SMOKED	3-9mm	
FFS-09	WESTBOUND PLATFORM - EAST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH FFS-10
FFS-10	WESTBOUND PLATFORM - EAST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH FFS-09
FFS-11	EASTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH FFS-12
FFS-12	EASTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH FFS-11
FFS-13	EASTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	9'-0"	SMOKED	3-9mm	
FFS-14	EASTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	9'-0"	SMOKED	3-9mm	
FFS-15	EASTBOUND PLATFORM	FIXED	POLE TYPE C	FCI-640, DETAIL 2	9'-3"	SMOKED	3-9mm	POLE SHARED WITH FFS-16, SEE NOTE 6
FFS-16	EASTBOUND PLATFORM	PTZ	POLE TYPE C	FCI-640, DETAIL 2	9'-7"	SMOKED	4.4-132mm	POLE SHARED WITH FFS-15, SEE NOTE 6
FFS-17	EASTBOUND PLATFORM	FIXED	POLE TYPE C	FCI-640, DETAIL 2	9'-0"	SMOKED	3-9mm	POLE SHARED WITH FFS-18
FFS-18	EASTBOUND PLATFORM	FIXED	POLE TYPE C	FCI-640, DETAIL 2	9'-0"	SMOKED	3-9mm	POLE SHARED WITH FFS-17
FFS-19	EASTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	9'-0"	SMOKED	3-9mm	
FFS-20	EASTBOUND PLATFORM - EAST END	FIXED	POLE TYPE C	FCI-640, DETAIL 2	8'-6"	SMOKED	3-9mm	POLE SHARED WITH FFS-21
FFS-21	EASTBOUND PLATFORM - EAST END	FIXED	POLE TYPE C	FCI-640, DETAIL 2	8'-6"	CLEAR	3-9mm	POLE SHARED WITH FFS-20

NOTES:

- SEE DWG. FCI-560 FOR DEVICE LAYOUTS.
- SEE DWG. FCI-562 FOR DEVICE CONNECTIVITY DIAGRAM.
- MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE COORDINATED WITH EXISTING FIELD CONDITIONS AND PRE-INSTALLATION FIELD-OF-VIEW SURVEYS BY THE CONTRACTOR.
- OFFSET PTZ CAMERA FFS-05 FROM FFS-06. FIXED CAMERA FFS-06 SHALL BE CLOSER TO THE CANOPY EDGE UNLESS OTHERWISE DETERMINED BY FIELD-OF-VIEW SURVEY AND APPROVED BY THE ENGINEER. ENSURE PTZ CAMERA CAN VIEW BOTH DIRECTIONS ALONG THE PLATFORM.
- ENSURE CAMERA FFS-07 DOES NOT OBSTRUCT (E) VARIABLE MESSAGE SIGNS.
- COORDINATE FFS-15 AND FFS-16 HEIGHTS WITH (E) VARIABLE MESSAGE SIGNS. ENSURE CAMERA FFS-16 CAN VIEW BOTH DIRECTIONS ALONG THE PLATFORM AND THAT CAMERAS AND POLE DO NOT OBSTRUCT (E) VARIABLE MESSAGE SIGNS. PTZ CAMERA FFS-16 SHALL BE CLOSER TO THE PLATFORM EDGE UNLESS OTHERWISE DETERMINED BY FIELD-OF-VIEW SURVEY AND APPROVED BY THE ENGINEER.

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CHECKED BY: <b>CH</b>		NOT TO SCALE					
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016	Filename: ...FCI-561_FA_Sheet_0300-0178.dgn	SHEET NO. <b>05.035</b>	



**NOTES:**

1. SEE DWG. FCI-601 FOR BACKBONE FIBER ARCHITECTURE.
2. SEE DWG. FCI-560 FOR DEVICE LAYOUT.
3. FURNISH SMFO PATCH CABLES REQUIRED FOR COMPLETE SYSTEM CONNECTIVITY. SEE DWG. FCI-605 FOR NETWORK DIAGRAM.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/30/2016

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STV Incorporated  
185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:

**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

TOWN:

**WESTPORT  
TO STRATFORD**

DRAWING TITLE:

**FAIRFIELD STATION  
DEVICE CONNECTIVITY**

PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-562**

SHEET NO.  
**05.036**

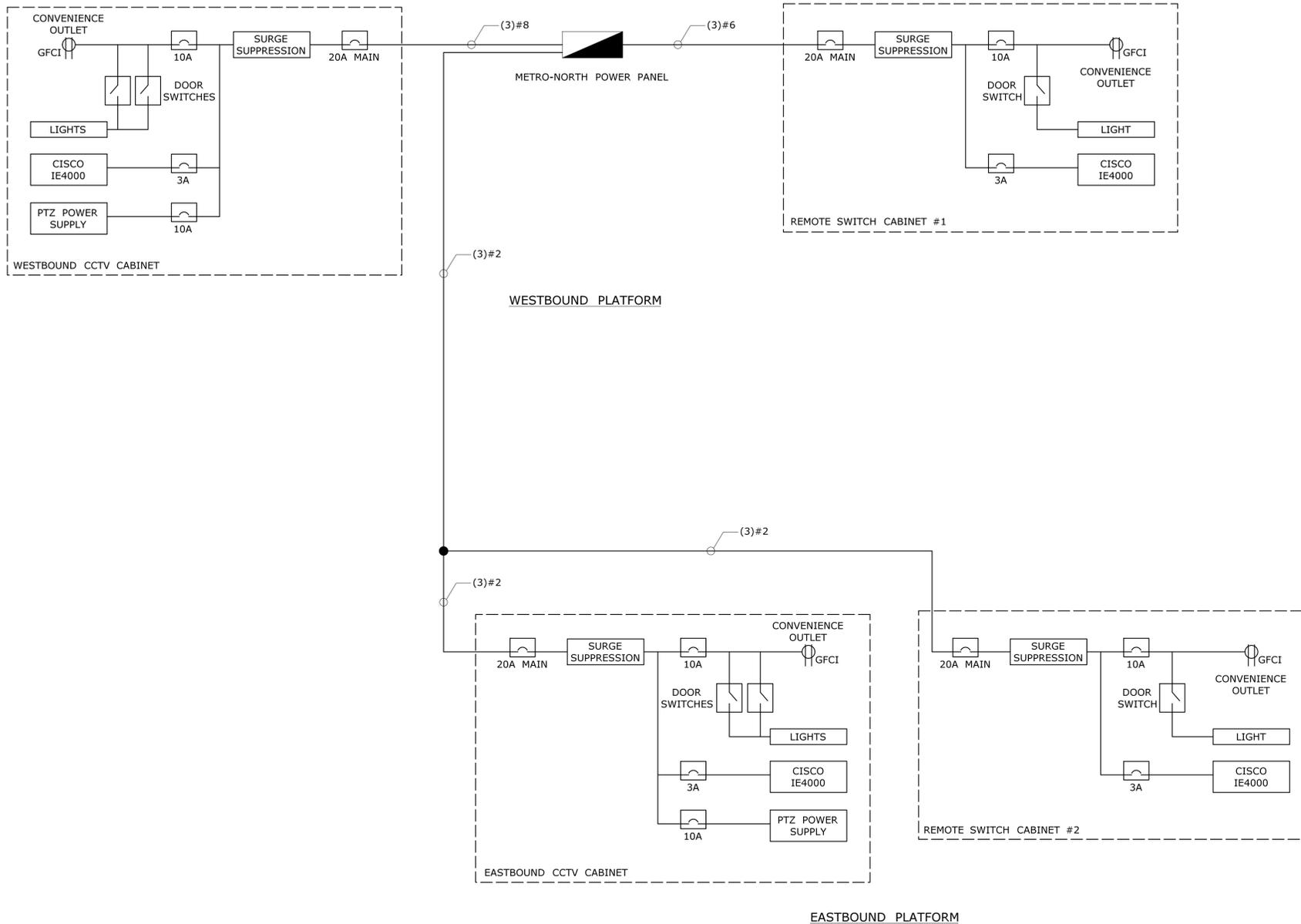
**METRO-NORTH POWER PANEL  
WESTBOUND FAIRFIELD STATION**

SERVICE	TRIP	CKT	CKT	TRIP	SERVICE
EXISTING LOAD	20	1	2	20	SPARE
EXISTING LOAD	20	3	4	20	SPARE
EXISTING LOAD	20	5	6	20	TVM (UNUSED)
EXISTING LOAD	20	7	8	20	SIGNS
EXISTING LOAD	20	9	10	20	EXISTING LOAD
WESTBOUND CCTV CABINET	20	11	12	20	TVM
REMOTE SWITCH CABINET #1	20	13	14	20	EXISTING LOAD
EASTBOUND CABINETS	20	15	16	20	EXISTING LOAD
SPACE		17	18	20	EXISTING LOAD
SPACE		19			SPACE

120/240VAC, 1 PHASE, 3 WIRE  
MAIN LUG ONLY  
LOCATION: OUTSIDE WESTBOUND STATION BUILDING

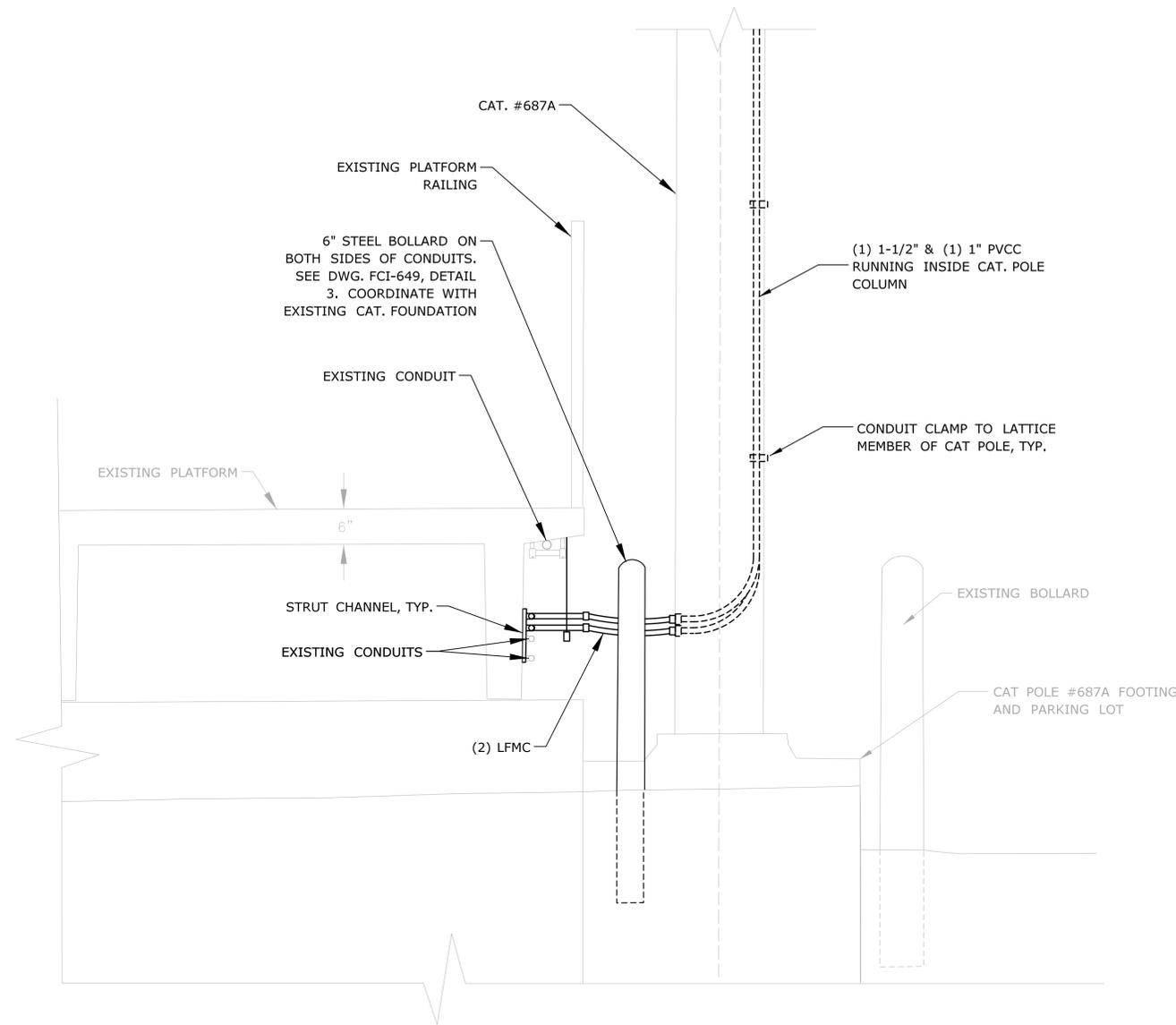
SEE NOTE 1 →  
SEE NOTE 1 →  
SEE NOTE 1 →

**1 FAIRFIELD STATION POWER PANEL SCHEDULE**  
FCI-563 NOT TO SCALE

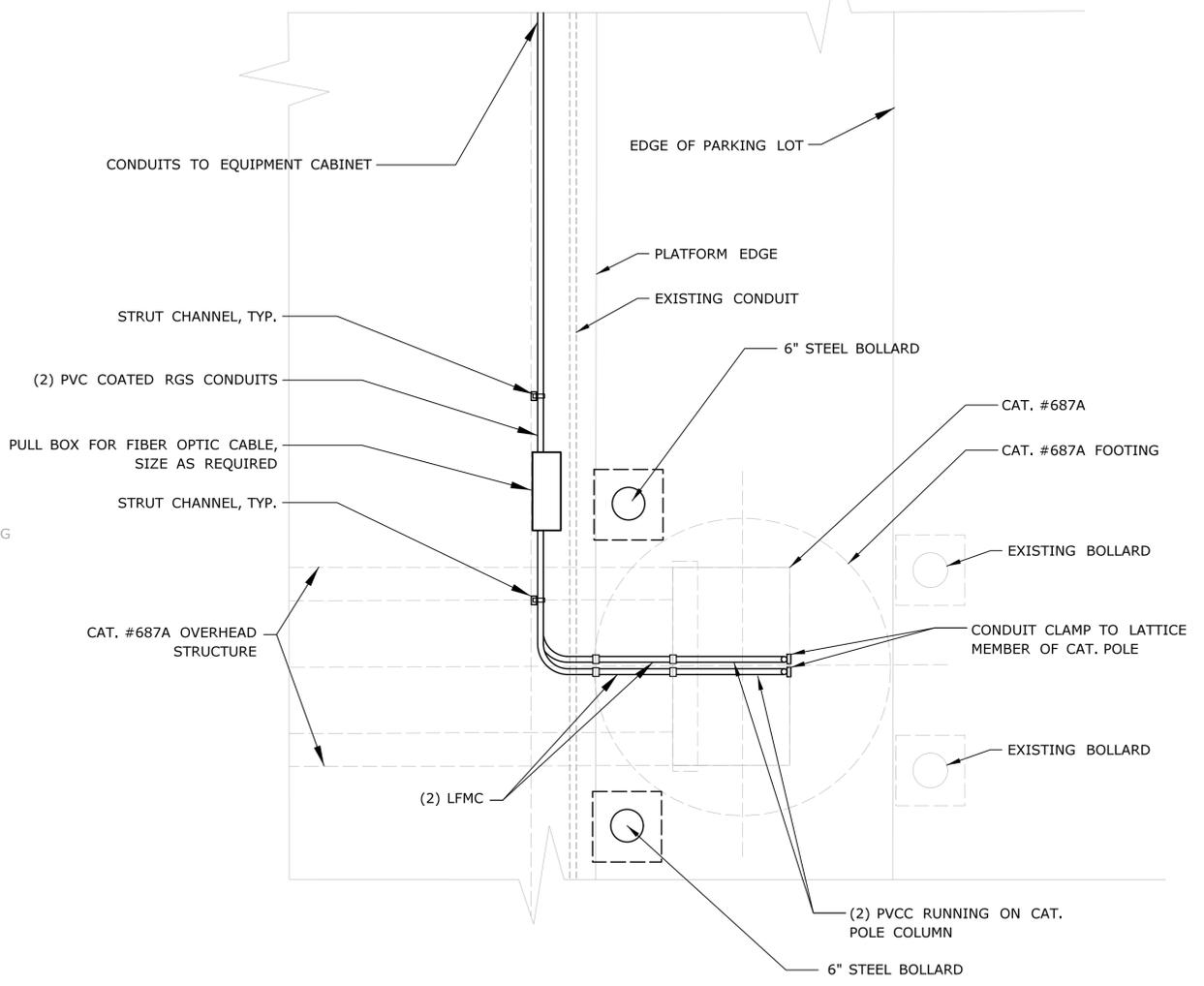


NOTES:  
1. FURNISH AND INSTALL 20A BREAKER.  
BREAKER SHALL BE OF SAME TYPE AND AIC  
RATING AS EXISTING.

**2 FAIRFIELD STATION POWER DISTRIBUTION**  
FCI-563 NOT TO SCALE

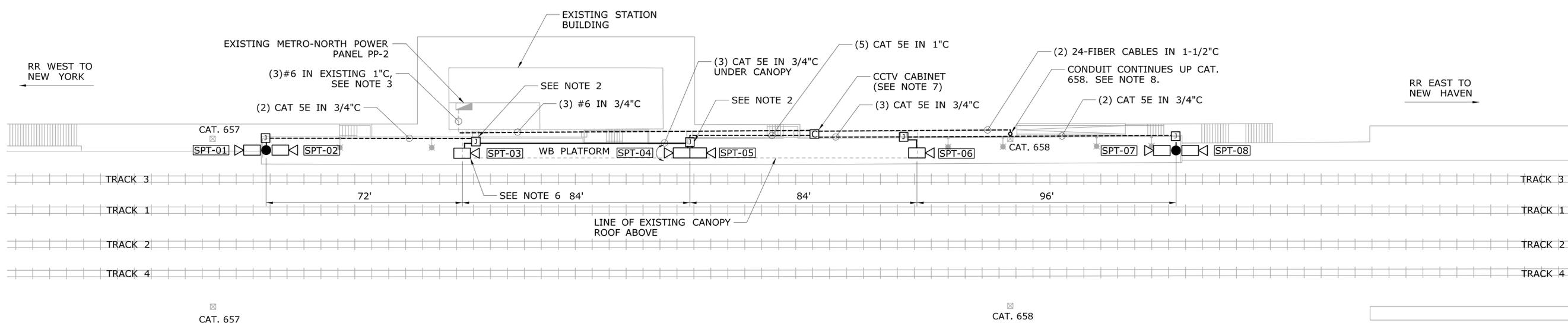
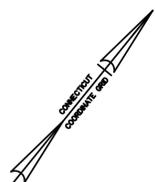


**1 CAT POLE 687A CONDUIT ROUTING DETAIL**  
 FCI-564 NOT TO SCALE



**2 CAT POLE 687A PLAN VIEW**  
 FCI-564 NOT TO SCALE

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			



MATCH LINE SEE DWG. NO. FCI-571

**NOTES:**

1. EXISTING TOWN OF FAIRFIELD CCTV SYSTEMS IN AND AROUND WESTBOUND STATION BUILDING (NOT SHOWN FOR CLARITY) TO REMAIN. NOT IN CONTRACT.
2. TRANSITION CONDUIT FROM UNDER PLATFORM TO CANOPY AT CANOPY COLUMN.
3. USE EXISTING SPARE 1" CONDUIT BETWEEN METRO-NORTH POWER PANEL AND PLATFORM. INSTALL REDUCING COUPLING BETWEEN EXISTING 1" CONDUIT AND NEW 3/4" CONDUIT.
4. ALL CONDUITS SHALL BE RUN UNDER PLATFORM UNLESS OTHERWISE NOTED.
5. SEE DWG. FCI-572 FOR CAMERA SCHEDULE.
6. RELOCATE EXISTING "TRACK 3" SIGN TOWARDS REAR OF CANOPY.
7. PROVIDE TWO (2) BOLLARDS IN FRONT OF CCTV CABINET.
8. SEE DWG. FCI-308 FOR CABLE ROUTING PLAN. SEE DWG. FCI-612 FOR FIBER DROP SCHEMATIC AT WB SOUTHPORT STATION.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 5/3/2016

DESIGNER/DRAFTER:  
**EN/MK**

CHECKED BY:  
**CH**

SCALE IN FEET  
0 20 40  
SCALE 1"=20'



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BLOCK:

STV Incorporated  
185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:

**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

TOWN:

**WESTPORT  
TO STRATFORD**

DRAWING TITLE:

**SOUTHPORT STATION  
SHEET 1 OF 2**

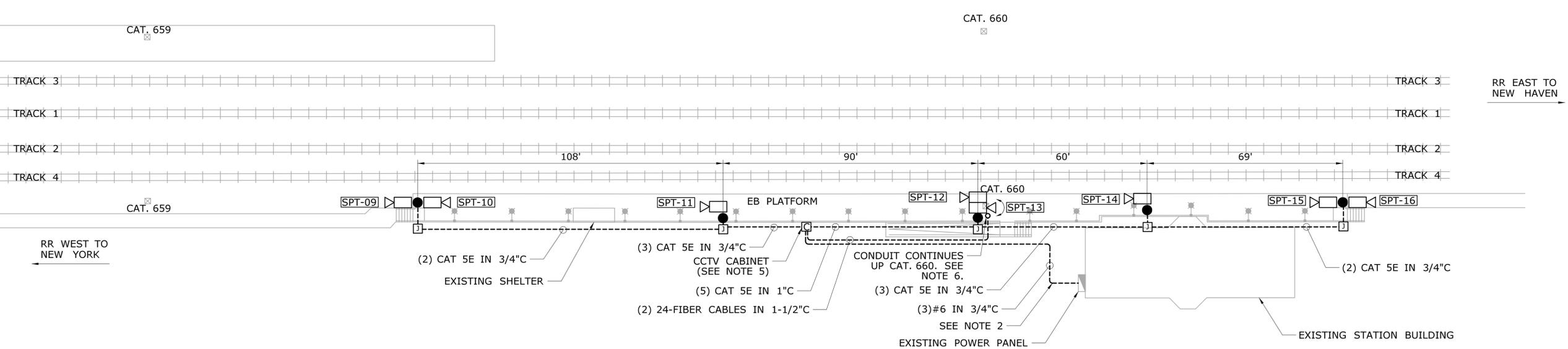
PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-570**

SHEET NO.  
**05.039**



MATCH LINE SEE DWG. NO. FCI-570



- NOTES:**
- EXISTING TOWN OF FAIRFIELD CCTV SYSTEMS AROUND STATION BUILDING (NOT SHOWN FOR CLARITY) TO REMAIN. NOT IN CONTRACT.
  - TRENCH CONDUIT FROM EXISTING POWER PANEL TO UNDERSIDE OF PLATFORM.
  - ALL CONDUITS SHALL BE RUN UNDER PLATFORM UNLESS OTHERWISE NOTED.
  - SEE DWG. FCI-572 FOR CAMERA SCHEDULE.
  - PROVIDE TWO (2) BOLLARDS IN FRONT OF CCTV CABINET.
  - SEE DWG. FCI-309 FOR CABLE ROUTING PLAN. SEE DWG. FCI-613 FOR FIBER DROP SCHEMATIC AT EB SOUTHPORT STATION.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

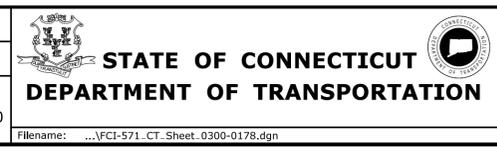
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 5/2/2016

DESIGNER/DRAFTER:  
**EN/MK**

CHECKED BY:  
**CH**

SCALE IN FEET  
0 20 40  
SCALE 1"=20'



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BLOCK:

STV Incorporated  
185 Plains Road  
Suite 208E  
Milford, CT 06461

PROJECT TITLE:  
**NETWORK INFRASTRUCTURE  
UPGRADE FOR SECURITY  
NEW HAVEN LINE  
PHASE 2**

TOWN:  
**WESTPORT  
TO STRATFORD**

DRAWING TITLE:  
**SOUTHPORT STATION  
SHEET 2 OF 2**

PROJECT NO.  
**300-0178**

DRAWING NO.  
**FCI-571**

SHEET NO.  
**05.040**

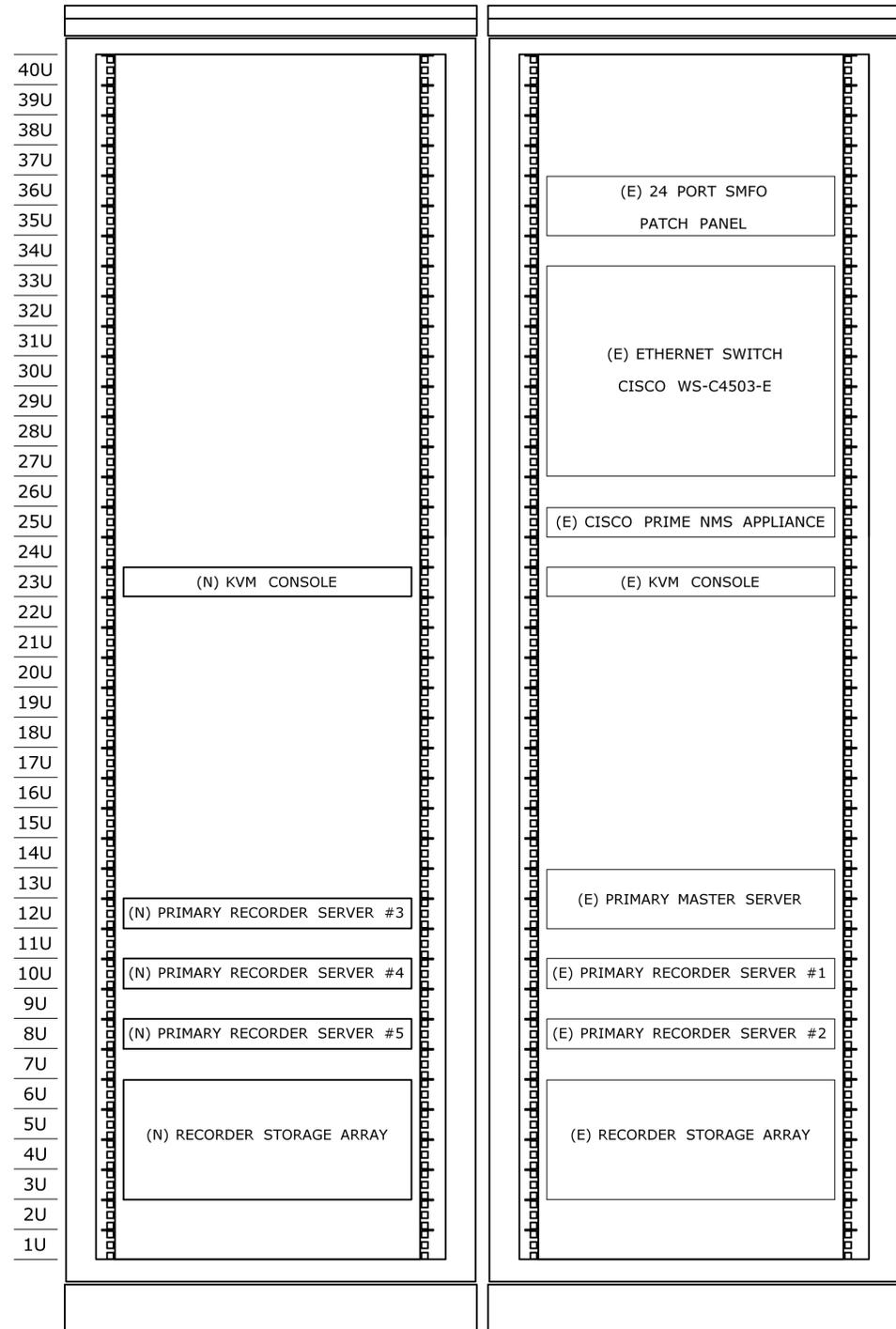
CAMERA NUMBER	DESCRIPTION	FIXED OR PTZ	MOUNTING TYPE	MOUNTING DETAIL	MOUNTING HEIGHT (SEE NOTE 3)	DOME COVER	LENS	NOTES
SPT-01	WESTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH SPT-02
SPT-02	WESTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH SPT-01
SPT-03	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	3-9mm	
SPT-04	WESTBOUND PLATFORM	PTZ	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	4.4-132mm	SEE NOTE 4
SPT-05	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	3-9mm	SEE NOTE 4
SPT-06	WESTBOUND PLATFORM	FIXED	CANOPY	FCI-641, DETAIL 2	9'-0"	SMOKED	3-9mm	
SPT-07	WESTBOUND PLATFORM - EAST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH SPT-08
SPT-08	WESTBOUND PLATFORM - EAST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH SPT-07
SPT-09	EASTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH SPT-10
SPT-10	EASTBOUND PLATFORM - WEST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH SPT-09
SPT-11	EASTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	9'-0"	SMOKED	3-9mm	
SPT-12	EASTBOUND PLATFORM	FIXED	POLE TYPE C	FCI-640, DETAIL 2	9'-0"	SMOKED	3-9mm	POLE SHARED WITH SPT-13, SEE NOTE 5
SPT-13	EASTBOUND PLATFORM	PTZ	POLE TYPE C	FCI-640, DETAIL 2	9'-0"	SMOKED	4.4-132mm	POLE SHARED WITH SPT-12, SEE NOTE 5
SPT-14	EASTBOUND PLATFORM	FIXED	POLE TYPE D	FCI-640, DETAIL 3	9'-0"	SMOKED	3-9mm	
SPT-15	EASTBOUND PLATFORM - EAST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	SMOKED	3-9mm	POLE SHARED WITH SPT-16
SPT-16	EASTBOUND PLATFORM - EAST END	FIXED	POLE TYPE B	FCI-640, DETAIL 1	8'-6"	CLEAR	3-9mm	POLE SHARED WITH SPT-15

- NOTES:**
- SEE DWG. FCI-570 & FCI-571 FOR DEVICE LAYOUTS.
  - SEE DWG. FCI-573 FOR DEVICE CONNECTIVITY DIAGRAM.
  - MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE COORDINATED WITH EXISTING FIELD CONDITIONS AND PRE-INSTALLATION FIELD-OF-VIEW SURVEYS BY THE CONTRACTOR.
  - OFFSET PTZ CAMERA SPT-04 FROM SPT-05. FIXED CAMERA SPT-05 SHALL BE CLOSER TO THE CANOPY EDGE UNLESS OTHERWISE DETERMINED BY FIELD-OF-VIEW SURVEY AND APPROVED BY THE ENGINEER. ENSURE PTZ CAMERA CAN VIEW BOTH DIRECTIONS ALONG THE PLATFORM.
  - COORDINATE SPT-13 LOCATION WITH CAT. 660. ENSURE CAMERA CAN VIEW BOTH DIRECTIONS ALONG THE PLATFORM. CAMERA SPT-12 SHALL BE CLOSER TO THE PLATFORM EDGE UNLESS OTHERWISE DETERMINED BY FIELD-OF-VIEW SURVEY AND APPROVED BY THE ENGINEER.

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016	Filename: ...FCI-572_FA_Sheet_0300-0178.dgn		



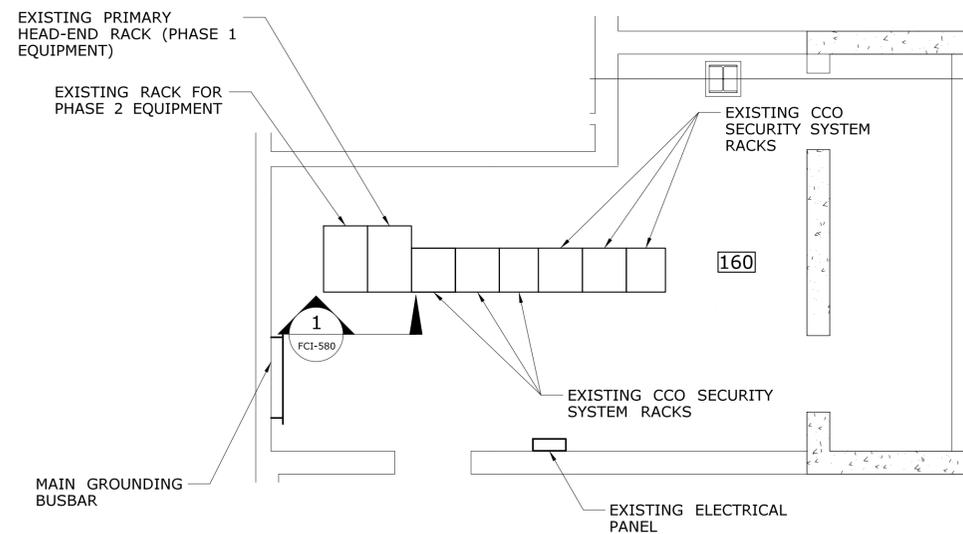




**EXISTING RACK FOR  
PHASE 2 EQUIPMENT**

**EXISTING PRIMARY HEAD-END RACK  
(PHASE 1 EQUIPMENT)**

**1 CCTV HEAD-END EQUIPMENT RACKS**  
FCI-580 NOT TO SCALE

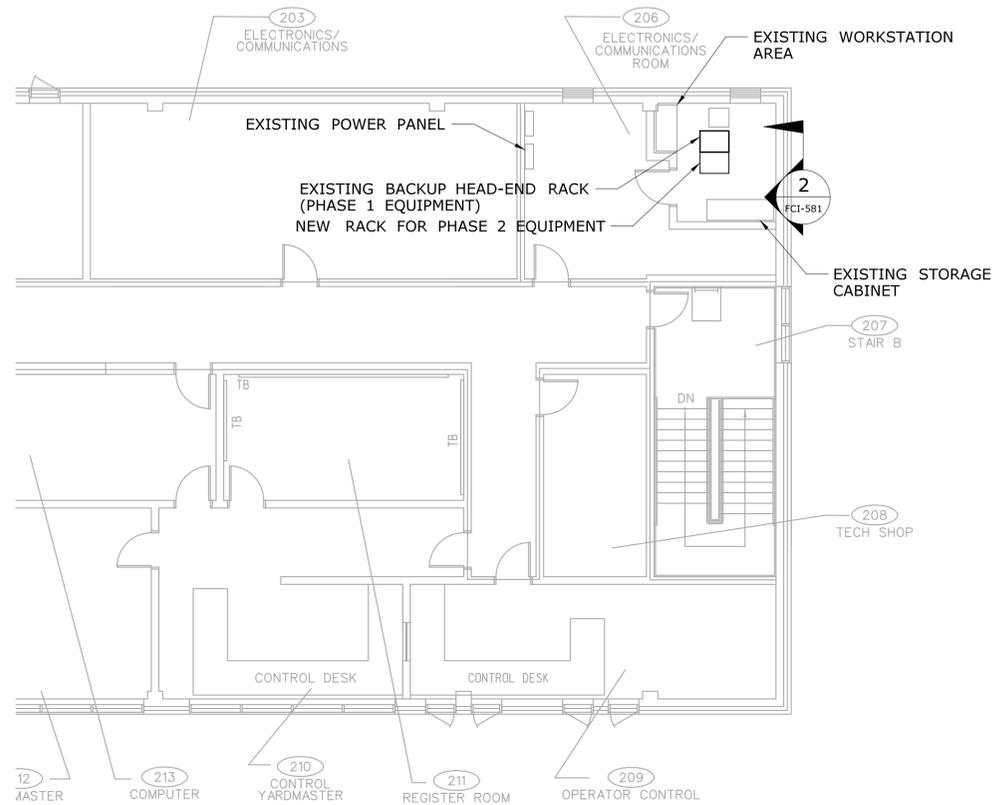


**2 PRIMARY CCTV HEAD-END EQUIPMENT**  
FCI-580 NOT TO SCALE

**NOTES:**

1. CONTRACTOR SHALL FURNISH AND INSTALL NEW RECORDING AND STORAGE SERVERS IN EXISTING RACK. TWO (2) NEMA L6-30R RECEPTACLES (208VAC) WILL BE INSTALLED BY MNR. FURNISH AND INSTALL TWO (2) PDU FOR NEW EQUIPMENT. RACK LOCATIONS MAY VARY. COORDINATE WITH MNR. VERIFY EXISTING CONDITIONS AND SUBMIT SHOP DRAWINGS PRIOR TO ANY INSTALLATION OR MODIFICATION. ALL EQUIPMENT SHALL BE CONNECTED TO REDUNDANT POWER CIRCUITS. SUBMIT POWER CALCULATION TO THE ENGINEER FOR APPROVAL.
2. GROUNDING AND BONDING SHALL MEET CONTRACT REQUIREMENTS AND EQUIPMENT MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS.
3. CONTRACTOR SHALL INSTALL ALL COMMUNICATIONS CABLES AND WIRES IN RGS OR IN CABLE TRAY.
4. CONNECT NEW SERVERS TO EXISTING NETWORK SWITCH IN PHASE 1 RACK. FURNISH AND INSTALL ALL REQUIRED INTERCONNECTIONS.

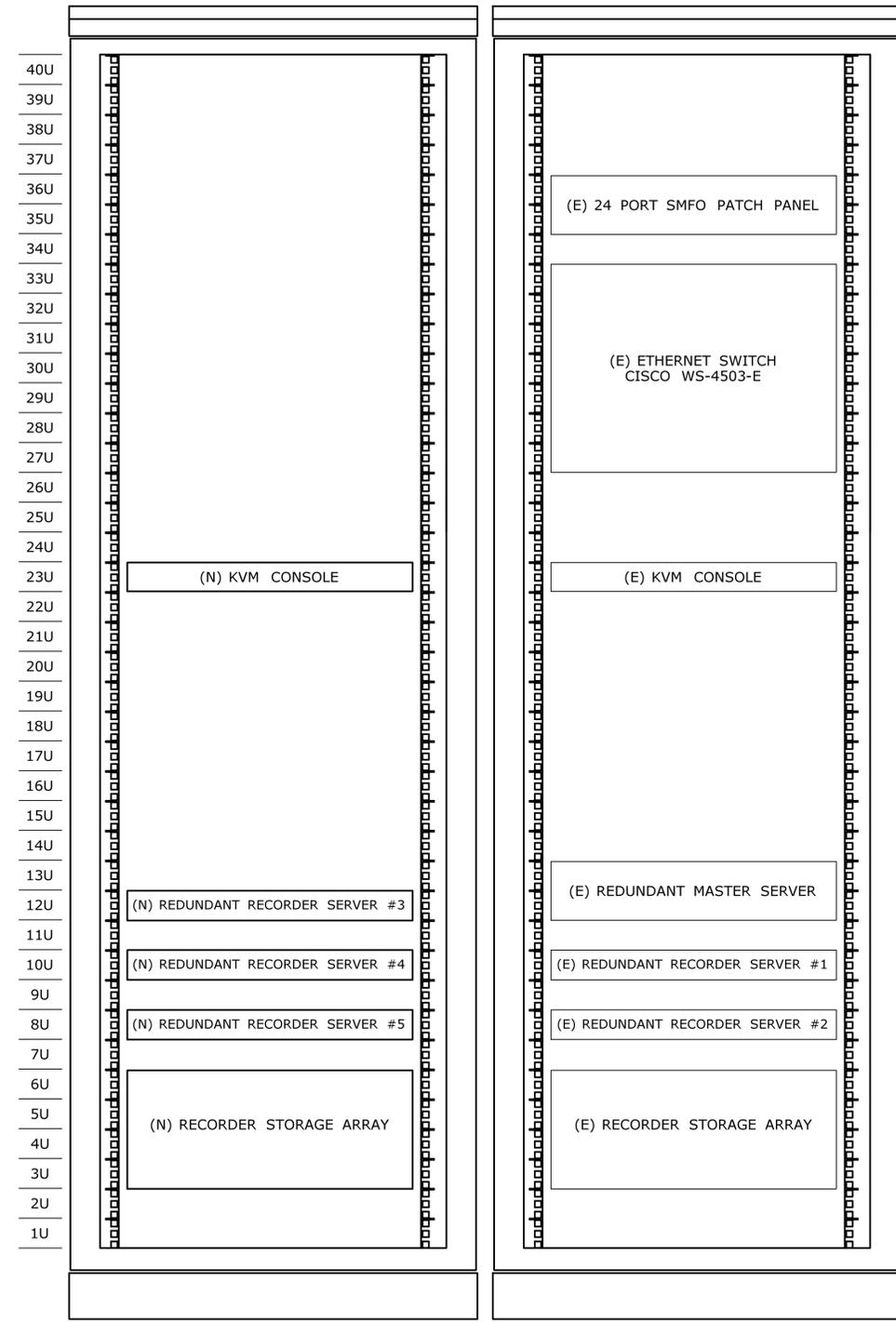
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			



**1 TRANSPORTATION BUILDING (T&E) SECOND FLOOR**  
 FCI-581 SCALE: 1/8" = 1'-0"

**NOTES:**

- CONTRACTOR SHALL FURNISH AND INSTALL NEW RACK. BOLT RACK TO FLOOR USING SEISMIC ANCHORS IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.
- TWO (2) NEMA L6-30R RECEPTACLES (208VAC) WILL BE INSTALLED BY MNR FOR NEW RACK. FURNISH AND INSTALL TWO (2) PDU FOR NEW EQUIPMENT. COORDINATE WITH MNR.
- RACK LOCATIONS MAY VARY. VERIFY EXISTING CONDITIONS AND SUBMIT SHOP DRAWINGS PRIOR TO ANY INSTALLATION OR MODIFICATION. COORDINATE WITH MNR.
- CONTRACTOR SHALL FURNISH AND INSTALL NEW RECORDING AND STORAGE SERVERS IN NEW RACK. ALL EQUIPMENT SHALL BE CONNECTED TO REDUNDANT POWER CIRCUITS. SUBMIT POWER CALCULATIONS TO THE ENGINEER FOR APPROVAL.
- GROUNDING AND BONDING SHALL MEET CONTRACT REQUIREMENTS AND EQUIPMENT MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL INSTALL ALL COMMUNICATIONS CABLES AND WIRES IN RGS OR IN CABLE TRAY.
- CONNECT NEW SERVERS TO EXISTING NETWORK SWITCH IN PHASE 1 RACK. FURNISH AND INSTALL ALL REQUIRED INTERCONNECTIONS.



**NEW RACK FOR PHASE 2 EQUIPMENT**

**EXISTING BACKUP HEAD-END (PHASE 1 EQUIPMENT)**

**2 BACKUP CCTV HEAD-END EQUIPMENT RACKS**  
 FCI-581 NOT TO SCALE

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: <b>EN/MN</b> CHECKED BY: <b>CH</b> SCALE AS NOTED	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...FCI-581_FA_Sheet_0300-0178.dgn	SIGNATURE/ BLOCK:  STV Incorporated 185 Plains Road Suite 208E Milford, CT 06461	PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b>	TOWN: <b>WESTPORT TO STRATFORD</b> DRAWING TITLE: <b>T&amp;E BUILDING HEAD-END EQUIPMENT</b>	PROJECT NO. <b>300-0178</b> DRAWING NO. <b>FCI-581</b> SHEET NO. <b>05.045</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/30/2016			