

PoDI / NHS

FHWA PROJECT OF DIVISION INTEREST (PoDI)? NO YES

NATIONAL HIGHWAY SYSTEM? NO YES

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

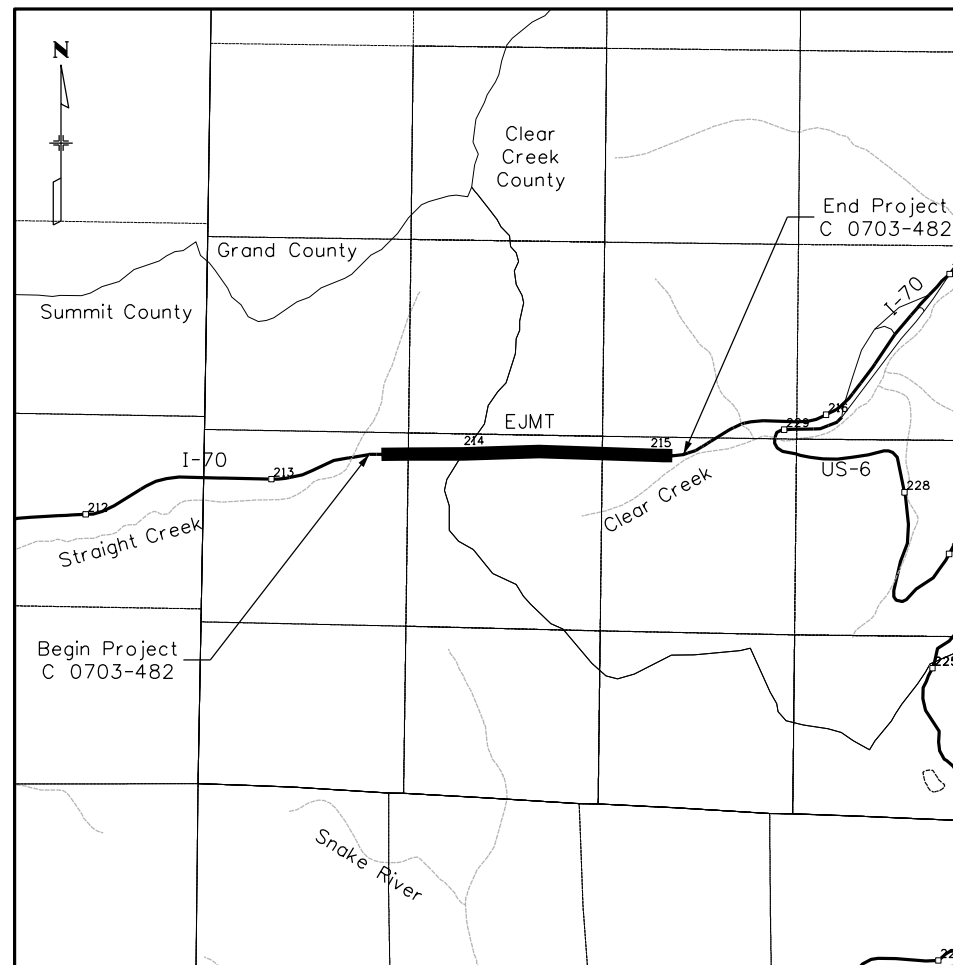
Related Projects:
P. E. UNDER PROJECT:
Project Number: **C 0703-482**
Project Code: **24210**

R.O.W. Projects:
R.O.W. Project Description

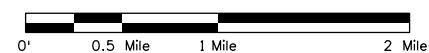
HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. C 0703-482 EISENHOWER/JOHNSON MEMORIAL TUNNELS DRAINAGE, PLUMBING, HEAT TRACE CLEAR CREEK COUNTY AND SUMMIT COUNTY CONSTRUCTION PROJECT CODE NO. 24210

TABULATION OF LENGTH & DESIGN DATA		
LOCATION	FEET	
	ROADWAY	MAJOR STR.
BEGIN PROJECT C 0703-482 APPROX. MP 213.5 ON I-70	0	
STRUCTURE F-13-X JOHNSON TUNNEL STRUCTURE F-13-Y EISENHOWER TUNNEL		8,959
END PROJECT C 0703-482 APPROX. MP 215.4 ON I-70	0	
TOTAL	0	8,959
SUMMARY OF PROJECT LENGTH		
	FEET	MILES
ROADWAY (NET LENGTH)	0	0
MAJOR STRUCTURE	8,959	1.70
PROJECT GROSS LENGTH	8,959	1.70

SHEET NO.	INDEX OF SHEETS
1	TITLE SHEET
2	TUNNEL SECTIONS
3	TYPICAL STANDPIPE AND WALL PANEL LAYOUT
4	ROADWAY LEVEL PLAN - WEST
5	LOWER LEVEL PLAN - EAST
6	POTABLE WATER PROCESS FLOW DIAGRAM
7-9	HEAT TRACE POWER PLAN
10-14	ELECTRICAL POWER PLAN
15	ELECTRICAL EQUIPMENT LOCATION



PROJECT LOCATION MAP



FINAL RFP
DECEMBER 16, 2021

CART7363 11:22:22 AM pw:\SUS036343.wsatkins.com:ATKNAC001\Documents\Roads and Bridges\Projects\24210 - EJM DPHT\Design\Drawings\Sheet_L_Files\24210DES_TitleSht.dgn

Print Date: 12/16/2021
File Name: 24210DES_TitleSht.dgn
Horiz. Scale: 1:1 Vert. Scale: As Noted
Unit Information: XXX
ATKINS 7604 Technology Way, Suite 400
Denver, CO 80237
Phone: (303) 221-7275
Fax: (303) 221-7276

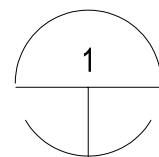
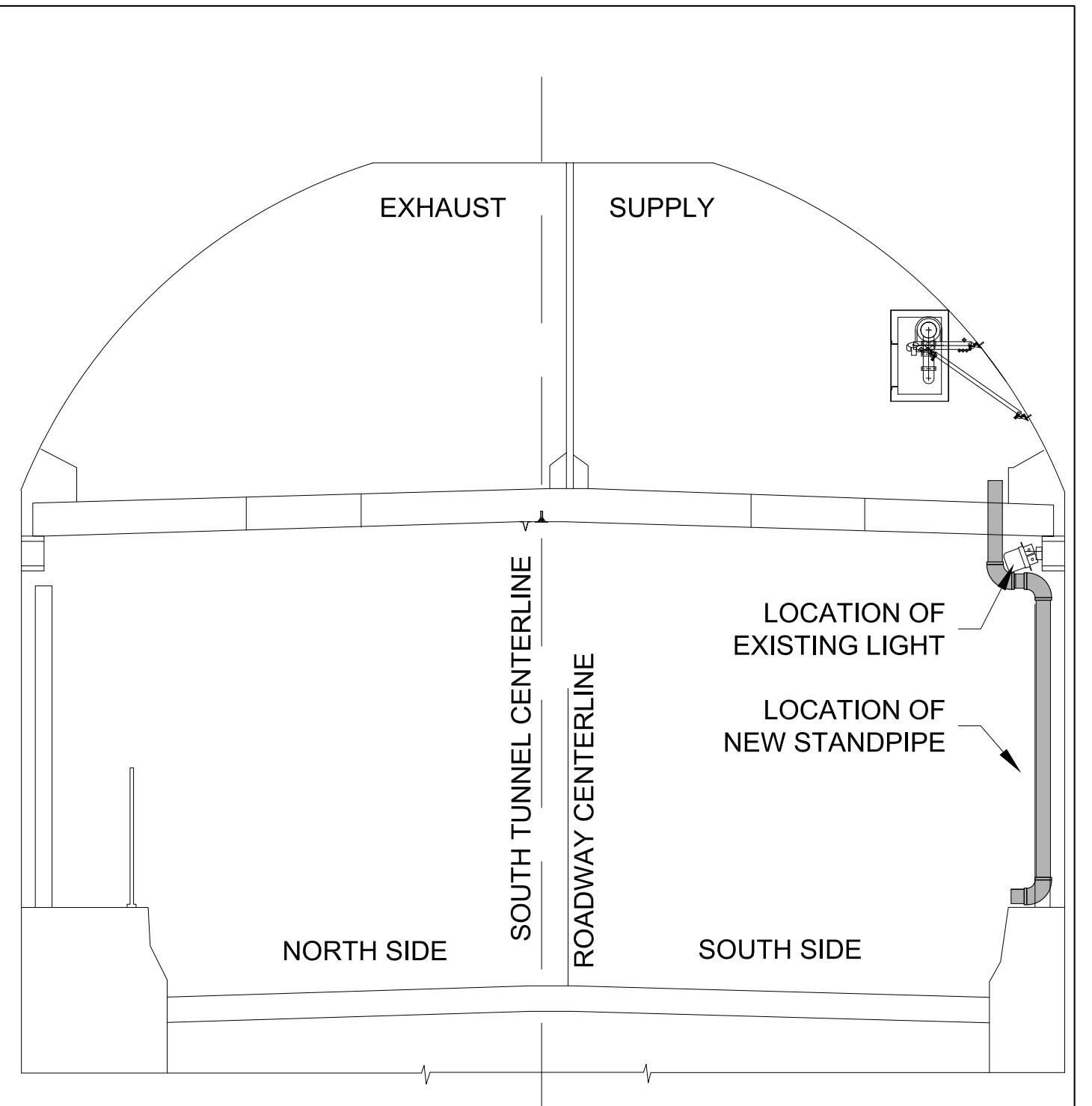
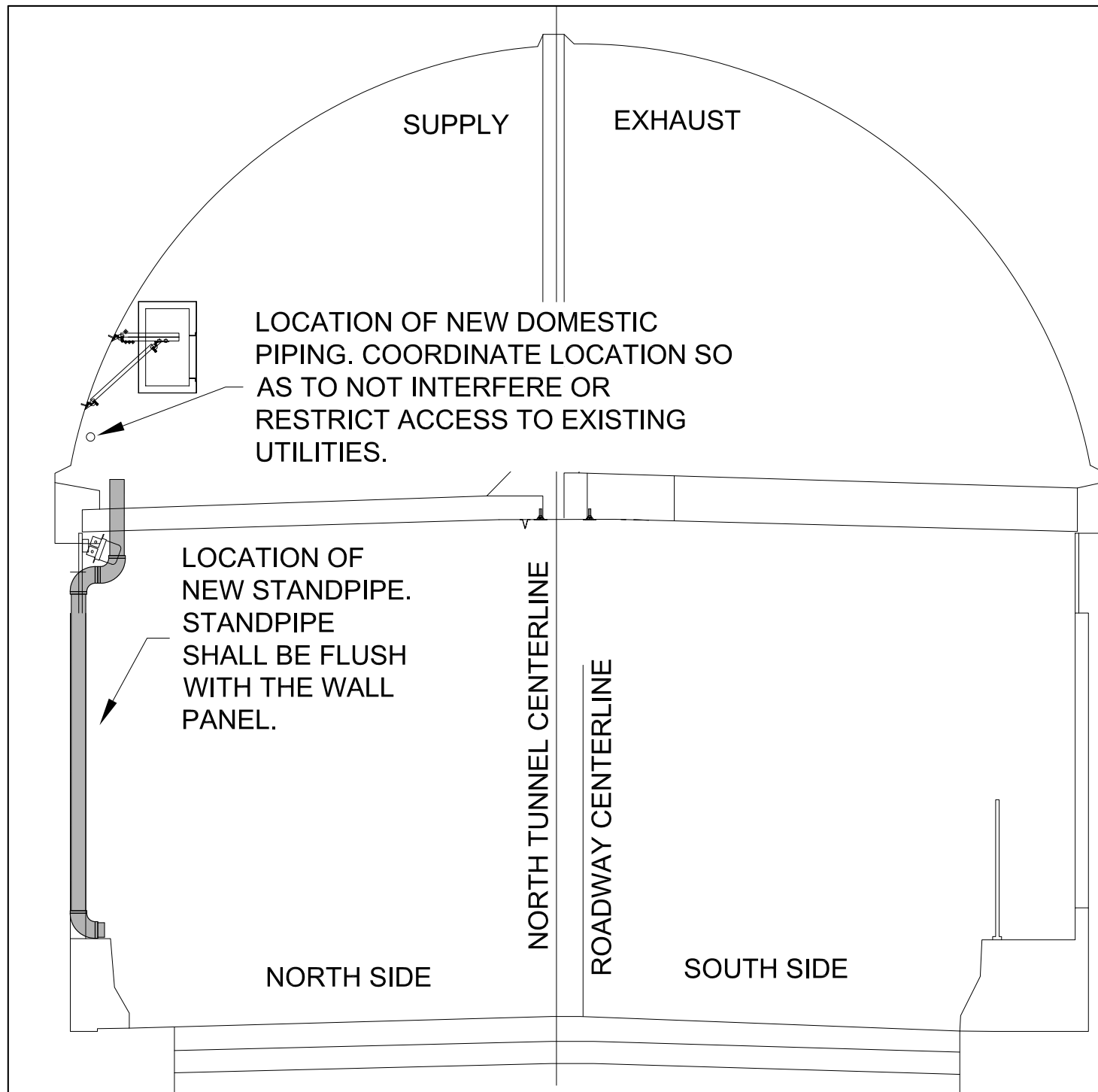
Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
Region 1 XXX
2829 W. Howard Pl.
Denver, CO 80204
Phone: 303-512-4272
FAX: 303-757-9886

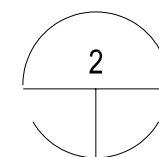
Preliminary
No Revisions:
Revised:
Void:

Contract Information
Contractor:
Resident Engineer:
Project Engineer:
PROJECT STARTED: / / ACCEPTED: / /
Comments:

Project No./Code
C 0703-482
24210
Sheet Number 01



1 NORTH TUNNEL SECTION - SCHEMATIC
SCALE:NTS



2 SOUTH TUNNEL SECTION - SCHEMATIC
SCALE:NTS

\$PLOT_INFO\$

Print Date: \$DATE\$
File Name: \$FILES\$
Horiz. Scale: Vert. Scale: As Noted
Unit Information

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

 2829 W. Howard Pl.
 Denver, CO 80204
 Phone: 303-512-4272
 FAX: 303-757-9886
 Region 1 XXX

Preliminary
No Revisions: _____
Revised: _____
Void: _____

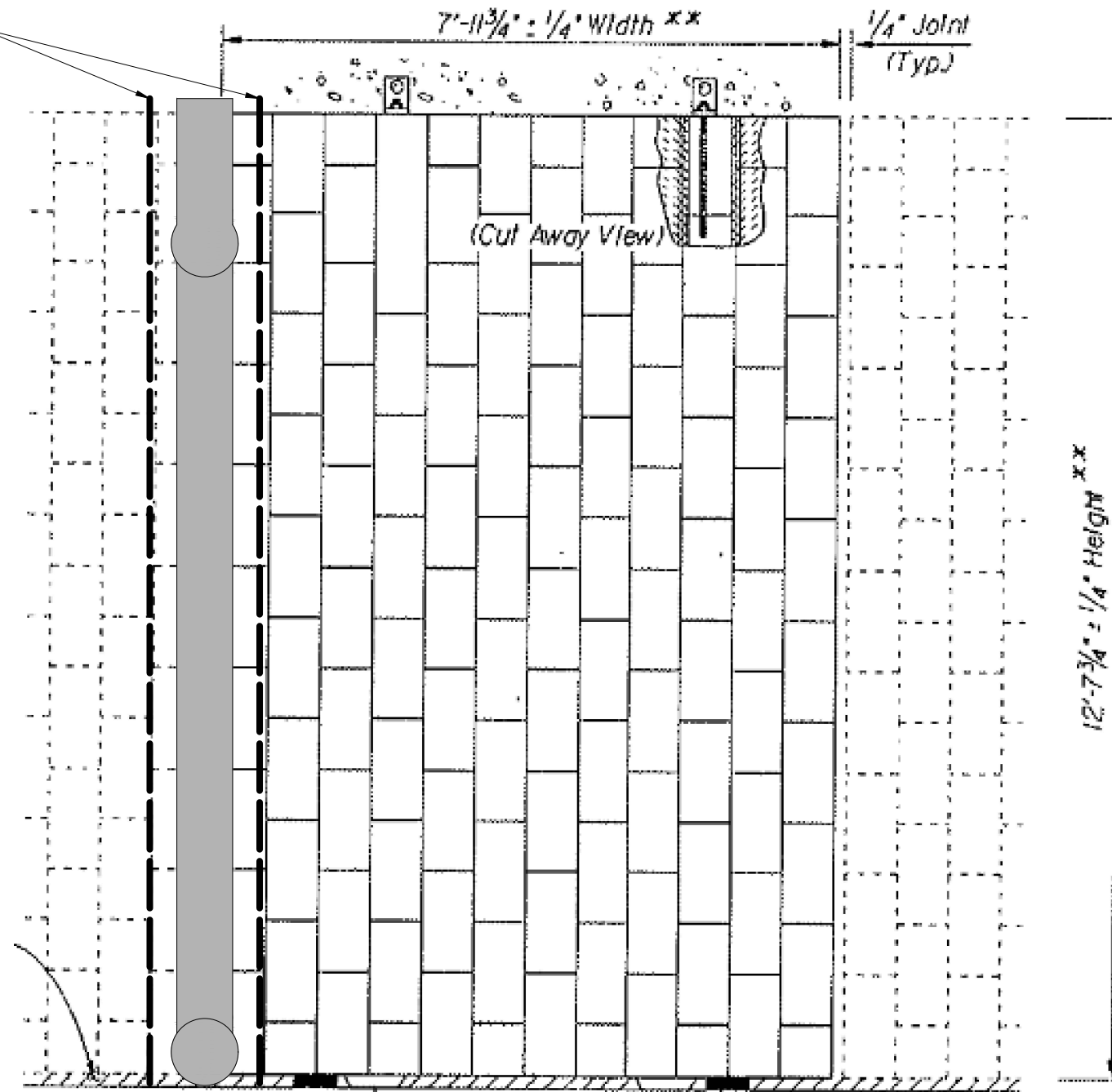
EJMT DPHT TUNNEL SECTION VIEWS SCHEMATIC EQUIPMENT LOCATION	
Designer:	Structure Numbers
Detailer:	
Sheet Subset:	Subset Sheets:

Project No./Code
C 0703-482
24210
Sheet Number 02

GENERAL NOTES

1. LOCATE STANDPIPE AT WALL PANEL JOINT ONLY. STANDPIPE SHALL NOT BE LOCATED IN THE CENTER OF THE PANEL. CUT PANEL AS REQUIRED TO ALLOW PENETRATIONS OR RECESSING OF THE PIPE IF IT CAN NOT BE FULLY CONCEALED BEHIND THE PANEL. FRONT OF PIPE SHALL BE FLUSH WITH THE WALL PANEL.
2. SAW CUT PANEL TO PROVIDE CLEARANCE FOR THE PIPE.

APPROXIMATE WIDTH OF SAW CUT



TYPICAL WALL PANEL

Print Date: \$DATE\$
 File Name: \$FILES\$
 Horiz. Scale: Vert. Scale: As Noted
 Unit Information

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



2829 W. Howard Pl.
 Denver, CO 80204
 Phone: 303-512-4272
 FAX: 303-757-9886

Region 1

XXX

Preliminary

No Revisions: _____

Revised: _____

Void: _____

EJMT DPHT
 TUNNEL SECTION VIEWS
 SCHEMATIC EQUIPMENT LOCATION

Designer: _____

Detailer: _____

Sheet Subset: _____

Structure
 Numbers

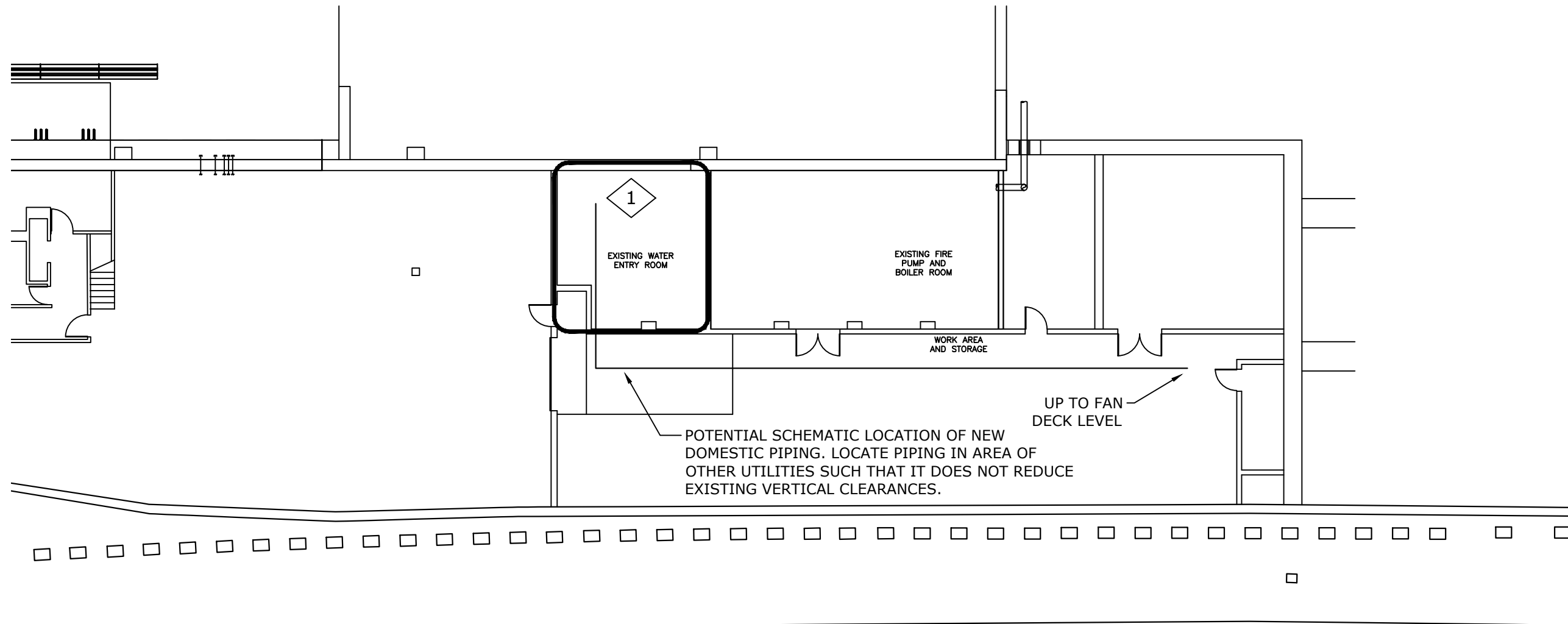
Subset Sheets:

Project No./Code

C 0703-482

24210

Sheet Number **03**



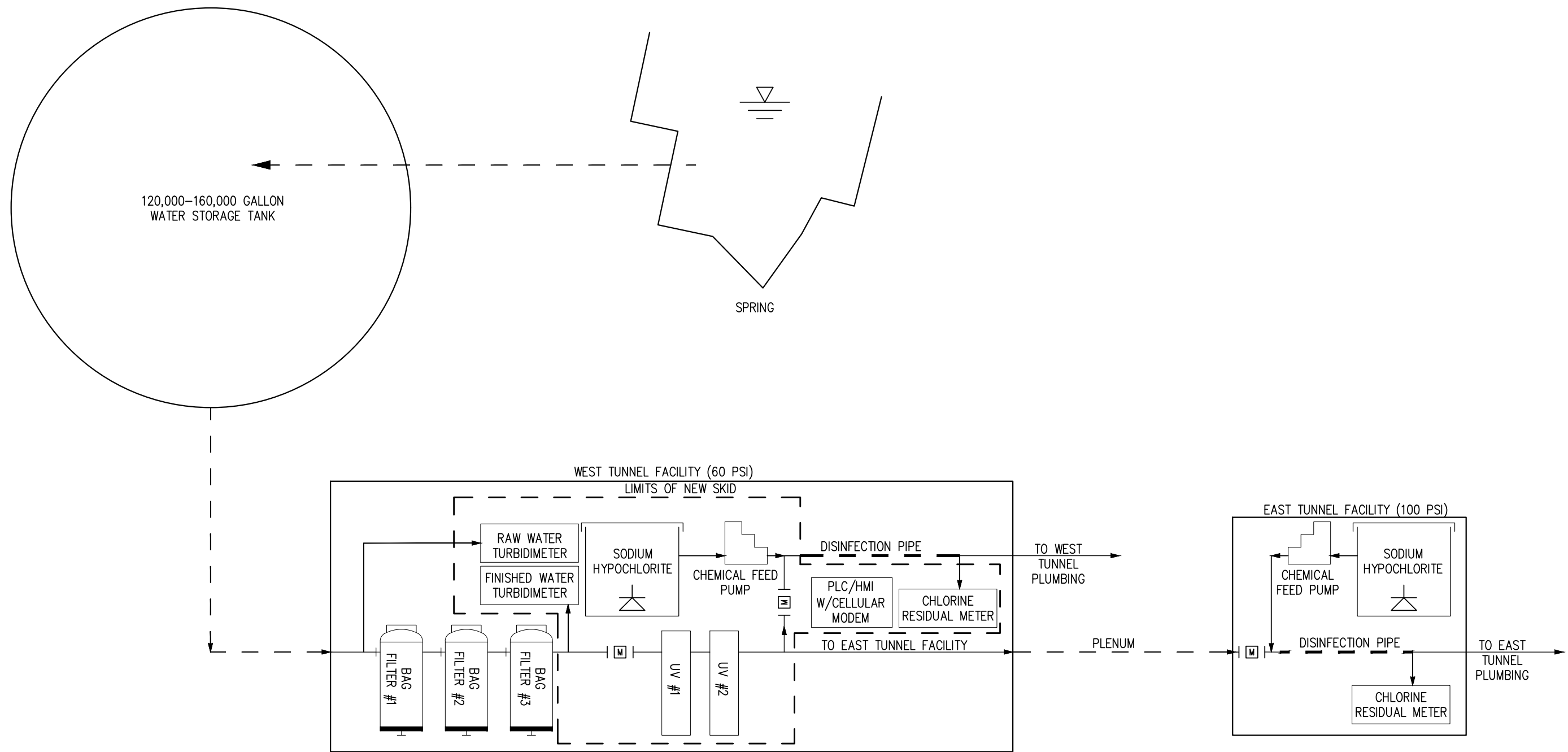
GENERAL NOTES:

1. DRAWING SHOWS POTENTIAL LOCATION AND ARRANGEMENT OF THE NEW DOMESTIC PIPING FROM THE NEW WATER TREATMENT EQUIPMENT. CONTRACTOR TO DETERMINE FINAL ARRANGEMENT OF ALL PIPING AND EQUIPMENT. NEW DOMESTIC WATER PIPING TO BE ROUTED TO FAN DECK LEVEL AND INTO NORTH SUPPLY PLENUM.

KEY NOTES:

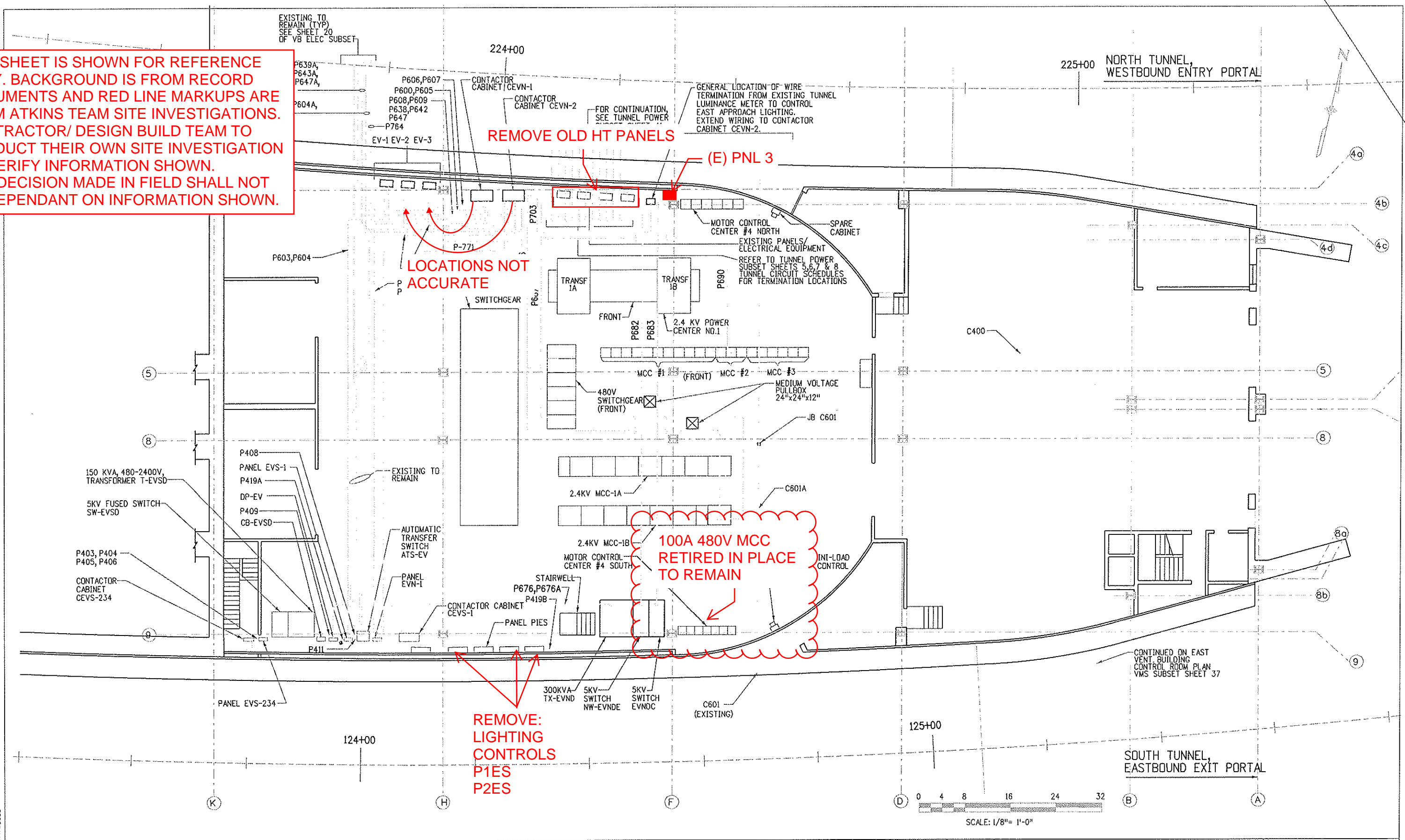
1. LOCATION OF EXISTING DOMESTIC WATER ENTRY AND WATER TREATMENT SYSTEM. COORDINATE CONNECTION OF NEW DOMESTIC PIPING TO NEW WATER TREATMENT SYSTEM. EXISTING DOMESTIC WATER SUPPLY TO BE DISCONNECTED AND PROVIDED WITH A VALVE AND CAP WHERE IT IS DISCONNECTED FROM EXISTING SYSTEM.

Print Date: \$DATE\$ File Name: \$FILES\$ Horiz. Scale: Vert. Scale: As Noted Unit Information	Sheet Revisions			Colorado Department of Transportation  2829 W. Howard Pl. Denver, CO 80204 Phone: 303-512-4272 FAX: 303-757-9886 Region 1 XXX	Preliminary		EJMT DPHT ROADWAY LEVEL-WEST WATER TREATMENT ROOM LOCATION		Project No./Code		
	Date:	Comments	Init.		No Revisions: _____	Designer: _____		Structure Numbers		C 0703-482	
	_____	_____	_____		Revised: _____	Detailer: _____		_____		24210	
	_____	_____	_____		Void: _____	Sheet Subset: _____		Subset Sheets: _____		Sheet Number 04	



Print Date: 12/6/21 File Name: WATER SYSTEM PFD.DWG Horiz. Scale: NOT TO SCALE Vert. Scale: As Noted Unit Information: INCHES	Sheet Revisions			Colorado Department of Transportation  2829 W. Howard Pl. Denver, CO 80204 Phone: 303-512-4272 FAX: 303-757-9886 Region 1	Preliminary No Revisions: Revised: Void:	EJMT DPHT POTABLE WATER SYSTEM PROCESS FLOW DIAGRAM			Project No./Code C 0703-482	
	Date:	Comments	Init.						Designer: AS	Structure Numbers
							Detailer: MG			
							Sheet Subset:	Subset Sheets: 1 of 1	Sheet Number 06	

THIS SHEET IS SHOWN FOR REFERENCE ONLY. BACKGROUND IS FROM RECORD DOCUMENTS AND RED LINE MARKUPS ARE FROM ATKINS TEAM SITE INVESTIGATIONS. CONTRACTOR/ DESIGN BUILD TEAM TO CONDUCT THEIR OWN SITE INVESTIGATION TO VERIFY INFORMATION SHOWN. ANY DECISION MADE IN FIELD SHALL NOT BE DEPENDANT ON INFORMATION SHOWN.



Design File Name: DGN&SPEC
 Plot File Name: \$PLOTFILE\$
 Date of Plot: \$\$\$DATE\$\$\$

Computer File Information	
Creation Date:	02/26/99 Initials: SL
Last Modification Date:	03/16/07 Initials: DJB
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Drawing File Name:	epp121en
Acad Ver.	R14 Scale: 1/8"=1'-0" Units: ENGLISH

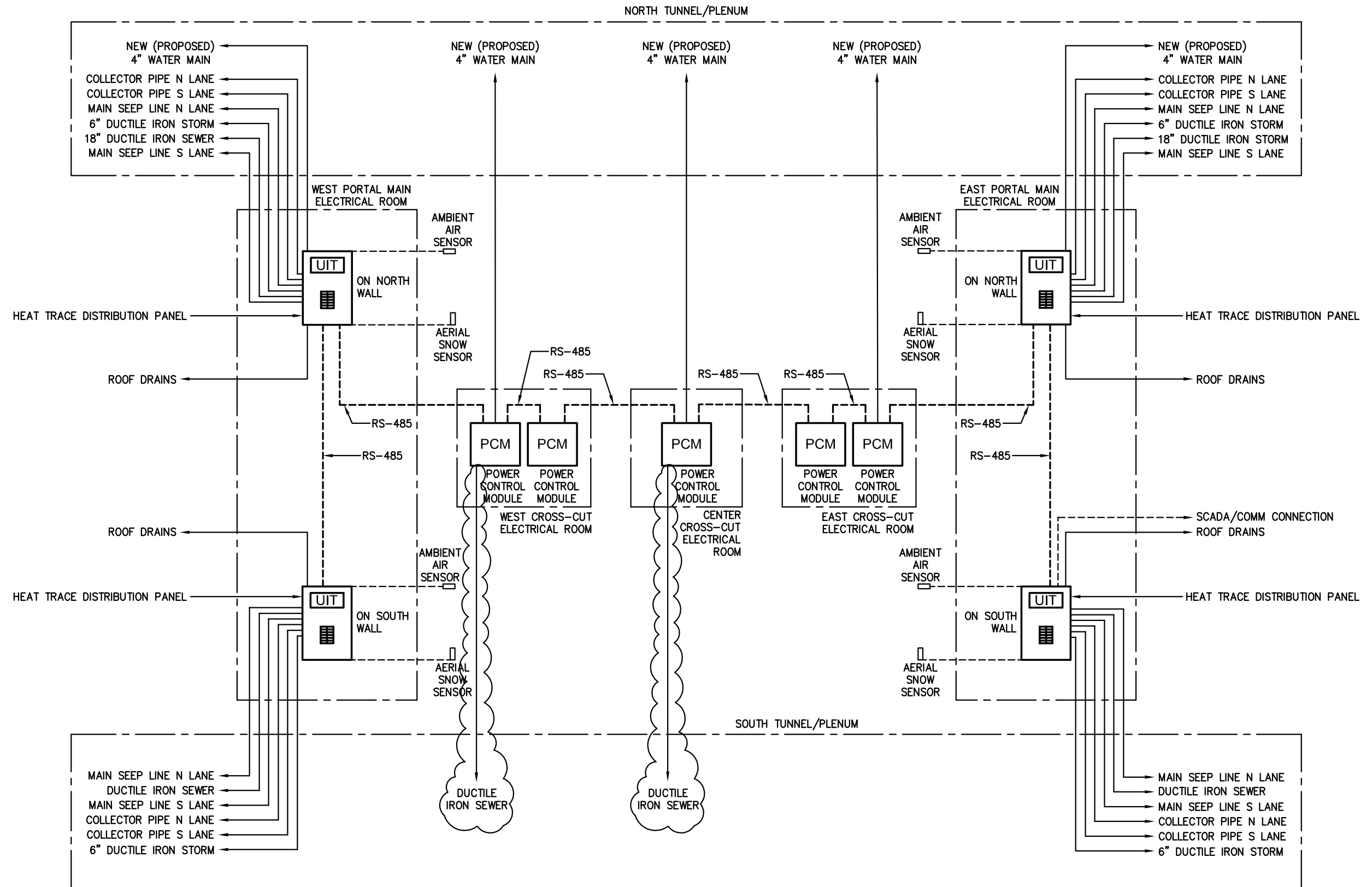
Sheet Revisions	
07/03/07	ASBUILT DJB

Colorado Department of Transportation
 As Constructed
 No Revisions:
 Revised:
 Void:

Region 1 Mountain Residency I.N.Z.

P.O. BOX 399
 DUMONT, CO. 80436
 Phone: 303-512-5750 FAX: 303-512-5775

EAST VENT BUILDING ELECTRICAL POWER PLAN		Project No./Code
Designer: E.A. GAYAMAT	Structure Numbers	IM 0703-269
Detailer: R. MILLER		13166
Sheet Subset: VB ELEC	Subset Sheets: 4 of 20	Sheet Number 115



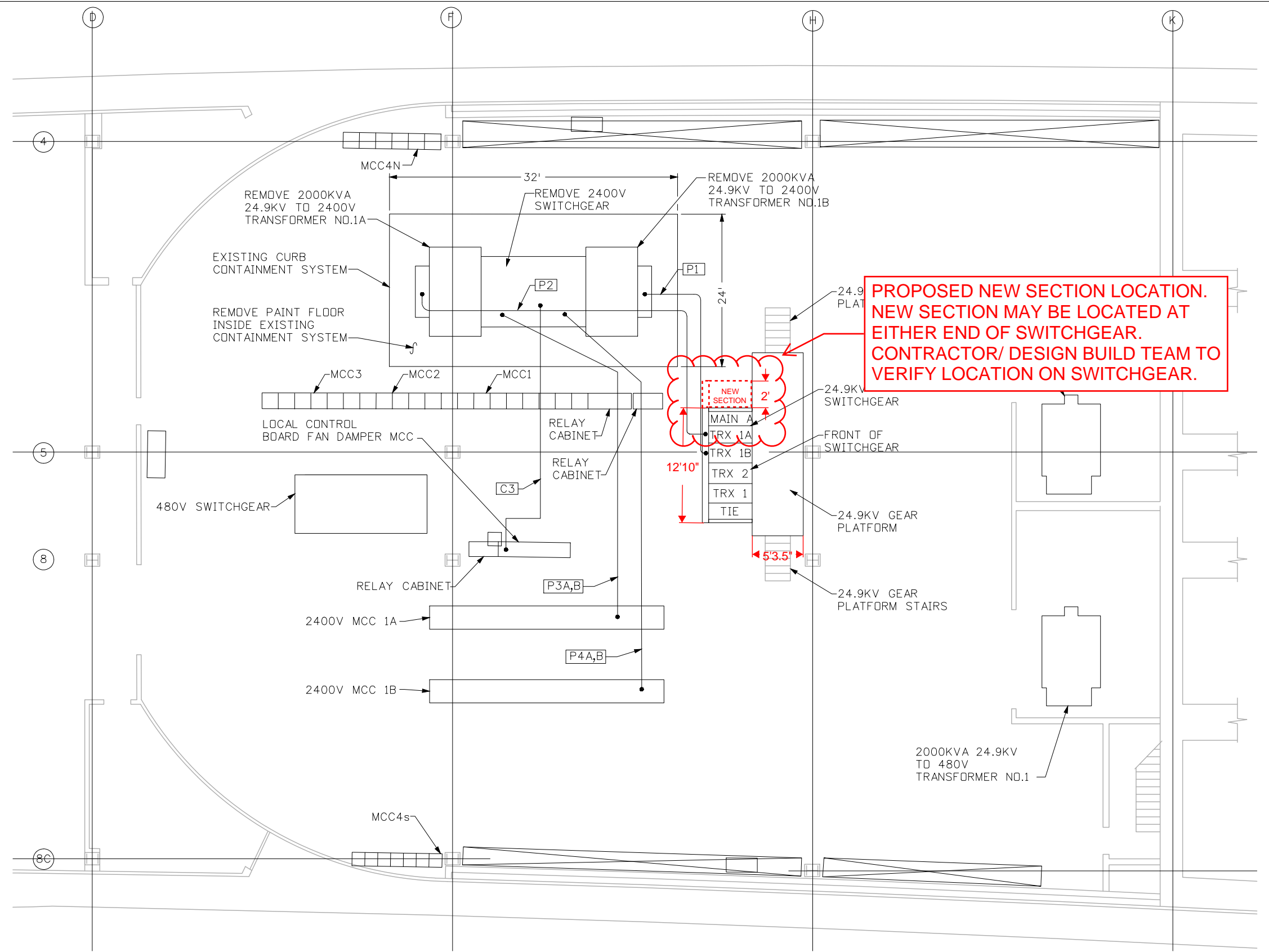
PK Electrical, Inc.
Engineering · Design · Consulting

681 Sierra Rose Dr., Ste. B | Reno, Nevada 89511 | 775.826.9010
 5105 DTC Parkway, Ste. 420 | Greenwood Village, CO 80111 | 720.481.3290
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DRAWN:	PKE
CHECKED:	LS
DATE:	11/12/2021
JOB NUMBER:	21047
PROJECT MGR:	AW

EISENHOWER/JOHNSON MEMORIAL TUNNEL PROPOSED HEAT-TRACE BLOCK DIAGRAM

THIS SHEET IS SHOWN FOR REFERENCE ONLY. BACKGROUND IS FROM RECORD DOCUMENTS AND RED LINE MARKUPS ARE FROM ATKINS TEAM SITE INVESTIGATIONS. CONTRACTOR/ DESIGN BUILD TEAM TO CONDUCT THEIR OWN SITE INVESTIGATION. ANY DECISION MADE IN FIELD SHALL NOT BE DEPENDANT ON INFORMATION SHOWN.



PROPOSED NEW SECTION LOCATION. NEW SECTION MAY BE LOCATED AT EITHER END OF SWITCHGEAR. CONTRACTOR/ DESIGN BUILD TEAM TO VERIFY LOCATION ON SWITCHGEAR.

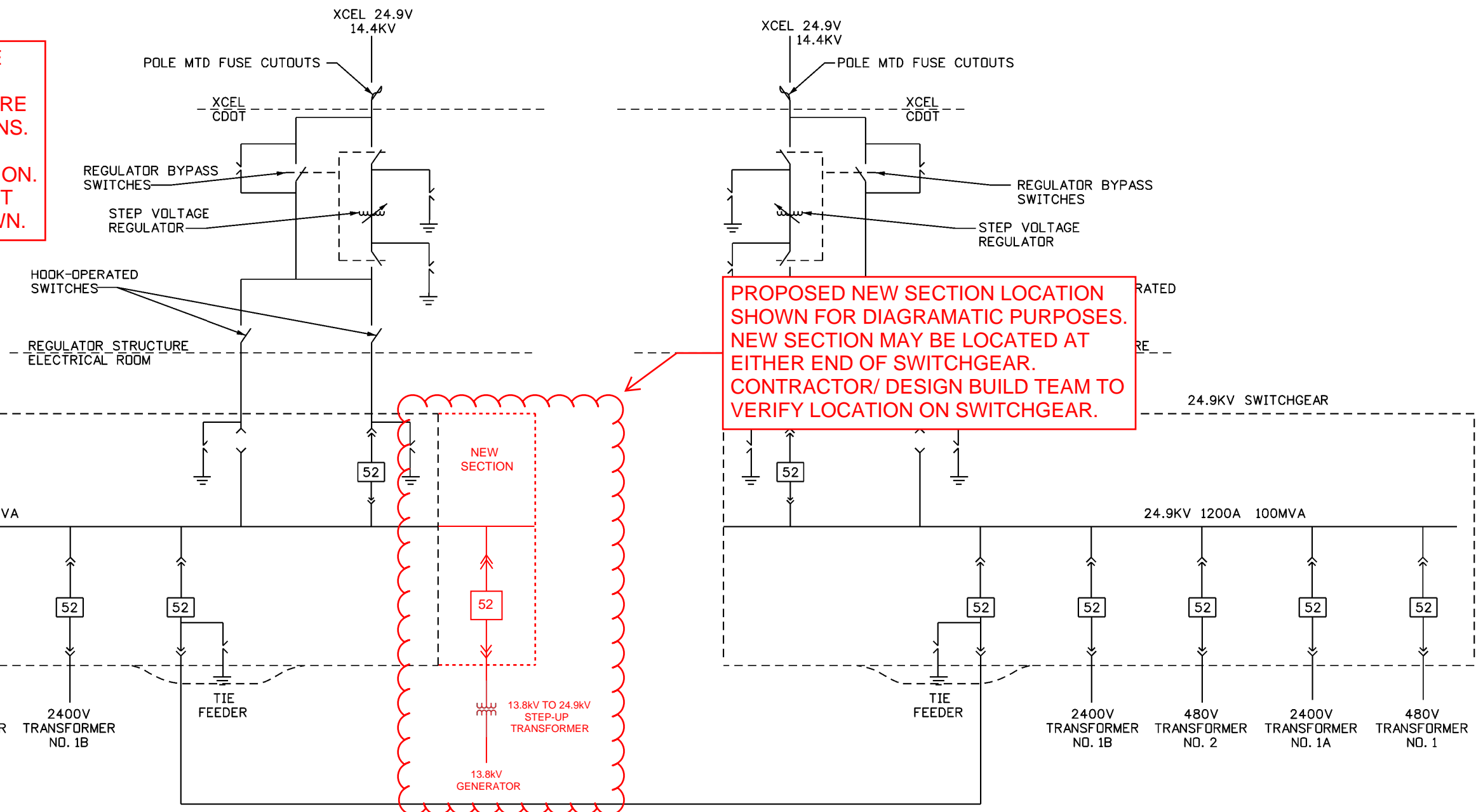
NOTES

1. FLOOR ELEVATION 11,156.50'.
2. CONDUIT NUMBERS ARE KEYED TO SHEET 5, TABULATION OF WIRING. EXISTING WIRING IS THE SAME AS THE NEW WIRING.
3. EXISTING CONTAINMENT SYSTEM DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.

Print Date: 6/24/2016		Sheet Revisions		Colorado Department of Transportation		As Constructed		WEST VENTILATION BUILDING ELECTRICAL EQUIPMENT ROOM PLAN - EXISTING		Project No./Code	
File Name: 24.9-W_Exist-Elec-Room.dgn		Date:	Comments	Init.	Region 1		No Revisions:	Designer: J. SHELDON		NHPP 0703-420	
Horiz. Scale: 1:12 Vert. Scale: NA					425A Corporate Circle Golden, CO 80401 Phone: 720-497-6959 FAX: 720-497-6951		Revised:	Detailer: J. GONZALES		20323	
Unit Information Unit Leader Initials					JDS		Void:	Sheet Subset:		Sheet Number	
555 17th Street, Suite 500 Denver, CO 80202 Phone: (303) 832-9091 Fax: (303) 728-1936								Structure Numbers		10	
								Subset Sheets: 11 of 26		10	

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THIS SHEET IS SHOWN FOR REFERENCE ONLY. ONE-LINE IS FROM RECORD DOCUMENTS AND RED LINE MARKUPS ARE FROM ATKINS TEAM SITE INVESTIGATIONS. CONTRACTOR/ DESIGN BUILD TEAM TO CONDUCT THEIR OWN SITE INVESTIGATION. ANY DECISION MADE IN FIELD SHALL NOT BE DEPENDANT ON INFORMATION SHOWN.

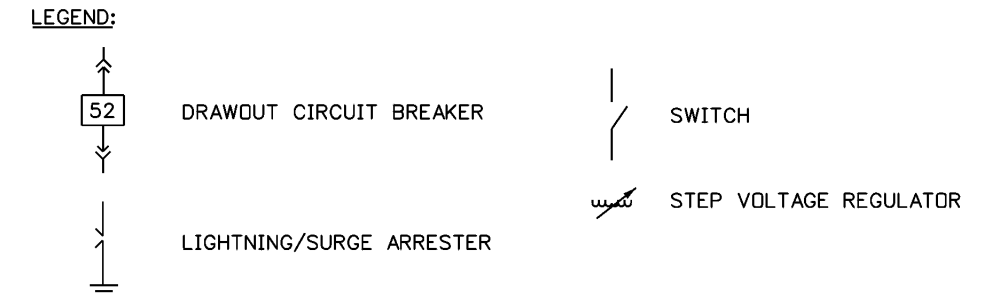


PROPOSED NEW SECTION LOCATION SHOWN FOR DIAGRAMATIC PURPOSES. NEW SECTION MAY BE LOCATED AT EITHER END OF SWITCHGEAR. CONTRACTOR/ DESIGN BUILD TEAM TO VERIFY LOCATION ON SWITCHGEAR.

WEST VENTILATION BUILDING

EAST VENTILATION BUILDING

NEW 24.9KV ONE-LINE DIAGRAM
N.T.S.



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Print Date: 8/18/2014	
File Name: 24.9-New_One-Line.dgn	
Horiz. Scale: 1:1 Vert. Scale: As Noted	
Unit Information Unit Leader Initials	
PARSONS BRINCKERHOFF 555 17th Street, Suite 500 Denver, CO 80202 Phone: (303) 832-9091 Fax: (303) 728-1936	

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

425A Corporate Circle
Golden, CO 80401
Phone: 720-497-6959 FAX: 720-497-6951

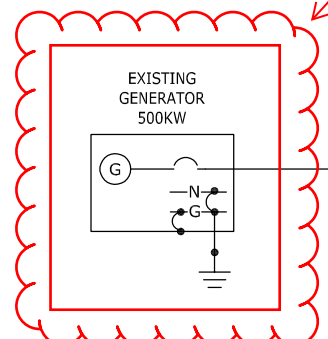
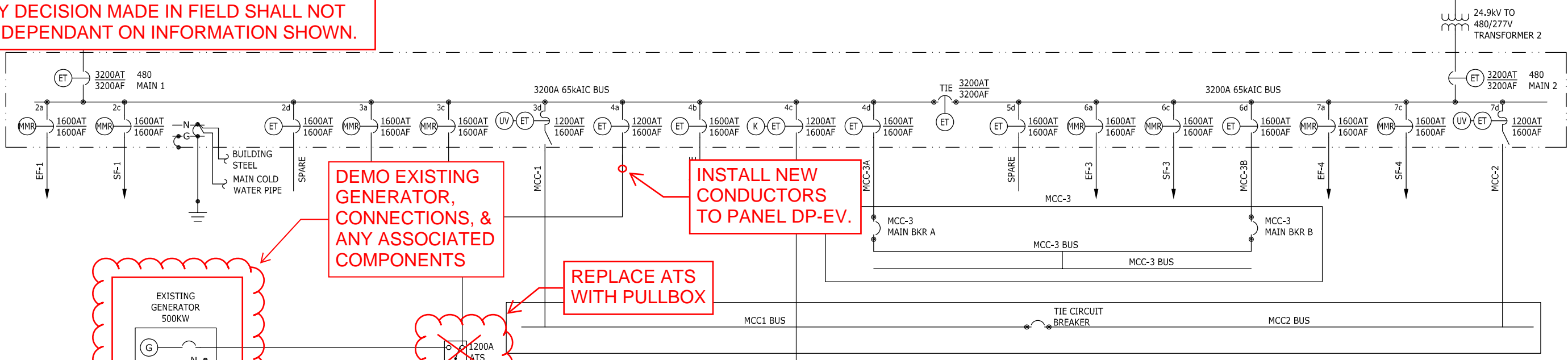
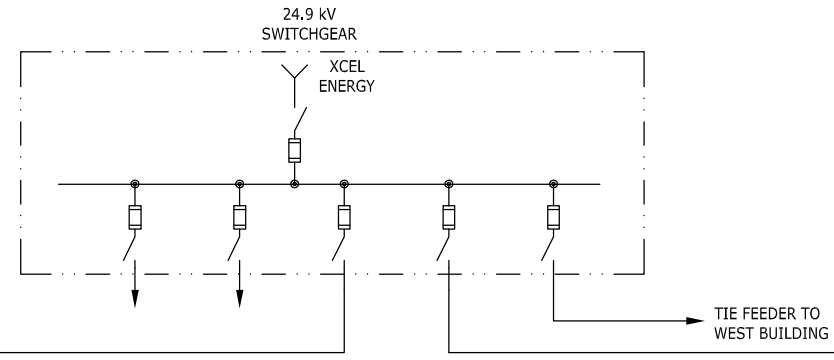
Region 1 JDS

As Constructed
No Revisions:
Revised:
Void:

NEW ONE-LINE DIAGRAM			
Designer:	J. SHELDON	Structure Numbers	
Detailer:	H. PULIDO	Subset Sheets:	2 of 21
Sheet Subset:			

Project No./Code
C 0703-399
19373
Sheet Number 11

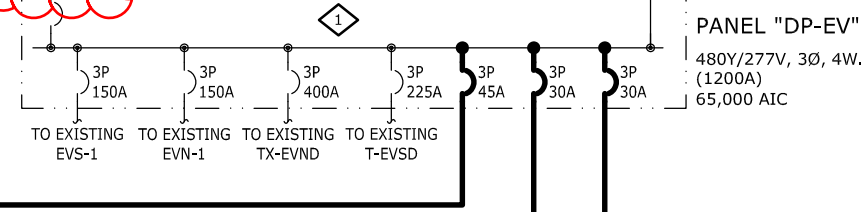
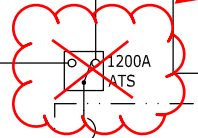
THIS SHEET IS SHOWN FOR REFERENCE ONLY. ONE-LINE IS FROM RECORD DOCUMENTS AND RED LINE MARKUPS ARE FROM ATKINS TEAM SITE INVESTIGATIONS SHOWING PROPOSED DEMOLITION WORK. CONTRACTOR/ DESIGN BUILD TEAM TO CONDUCT THEIR OWN SITE INVESTIGATION. ANY DECISION MADE IN FIELD SHALL NOT BE DEPENDANT ON INFORMATION SHOWN.



DEMO EXISTING GENERATOR, CONNECTIONS, & ANY ASSOCIATED COMPONENTS

INSTALL NEW CONDUCTORS TO PANEL DP-EV.

REPLACE ATS WITH PULLBOX

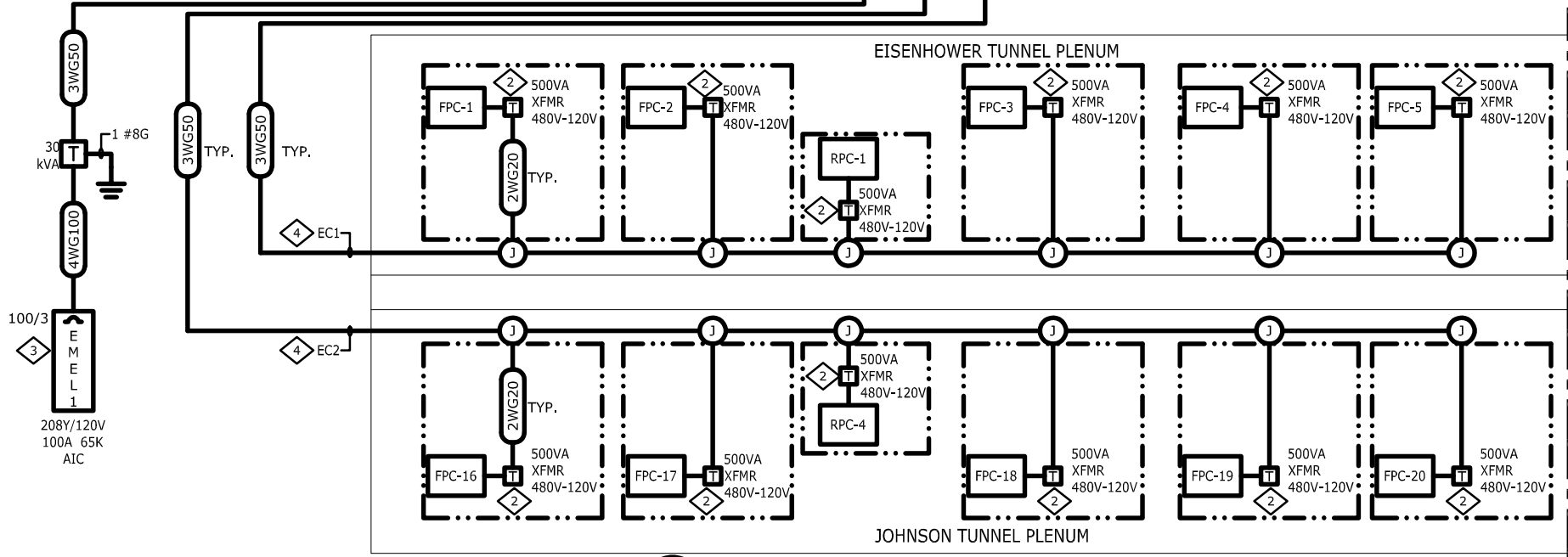


GENERAL NOTES:

1. ELECTRICAL CONTRACTOR RESPONSIBLE FOR DISCONNECTS, CONDUIT, WIRE, AND FINAL CONNECTIONS BETWEEN IDENTIFIED EQUIPMENT INCLUDING (BUT NOT LIMITED TO) FIRE PUMPS, FIRE PUMP CONTROLLER, CIRCULATING PUMPS, AND CONTROL PANELS.
2. REFER TO DRAWING E1.0 FOR FEEDER SCHEDULE.
3. REFER TO DRAWING E1.3 FOR "EMEL1" LOAD INFORMATION.
4. EXISTING 500KW GENERATOR LOAD IS LESS THAN 200KW.

WORK NOTES:

1. IN EXISTING 480/277V PANEL "DP-EV" FURNISH AND INSTALL NEW CIRCUIT BREAKERS AS SHOWN TO POWER NEW FIRE ALARM SYSTEM. RE-ARRANGE EXISTING CIRCUIT BREAKERS IN "DP-EV" AS NECESSARY TO ACCOMMODATE SPACE FOR NEW BREAKERS.
2. PROVIDE SINGLE PHASE STEP DOWN TRANSFORMER WITH PRIMARY(0.8A) AND SECONDARY(4A) OVER-CURRENT PROTECTION AND DISCONNECTING MEANS. INSTALL TRANSFORMER WITHIN THE FPC/RCP PANEL IN LOCATION SHOWN IN THE SYSTEMS GROUP DRAWINGS. COORDINATE INSTALLATION WITH SYSTEMS GROUP.
3. FURNISH, INSTALL AND WIRE NEW TRANSFORMER AND 208/120V PANEL. THIS PANEL WILL POWER THE FIRE ALARM PANELS, FIBER OPTIC LINEAR HEAT DETECTION SYSTEM, SOLENOID VALVES, VIDEO CAMERAS, WORK STATIONS, AND FLAT SCREEN DISPLAYS POWERED FROM THE EAST PORTAL.
4. ROUTE POWER FOR TUNNEL FIRE ALARM SYSTEM PANELS WITH CONDUITS SHOWN ON SYSTEMS GROUP DRAWINGS.



1 EAST VENTILATION BLDG 480V SWITCHGEAR ONE-LINE DIAGRAM
SCALE:N.T.S.

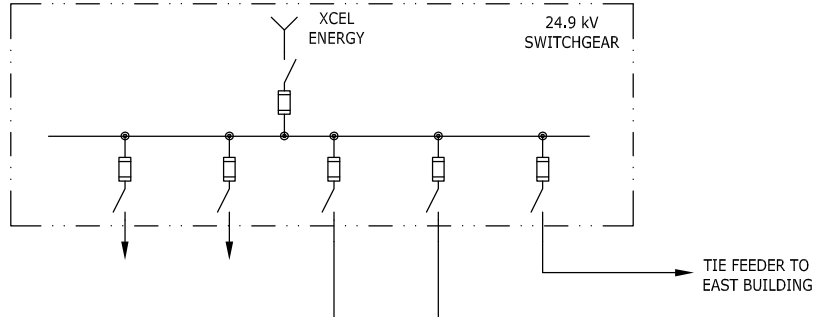
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RECORD DRAWINGS - 2015-11-16

GEP
ART

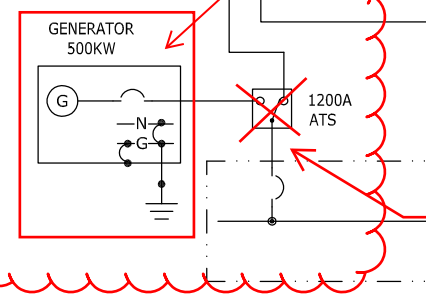
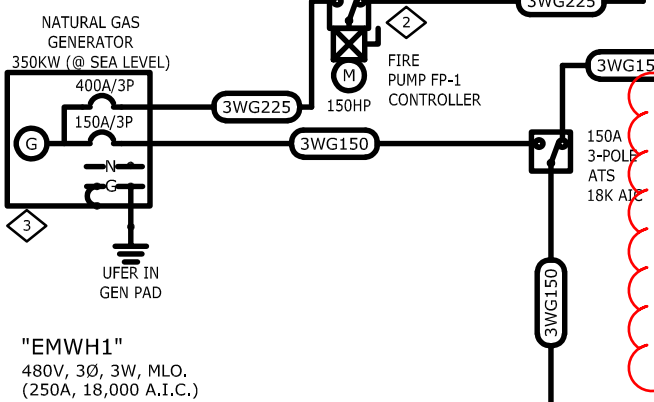
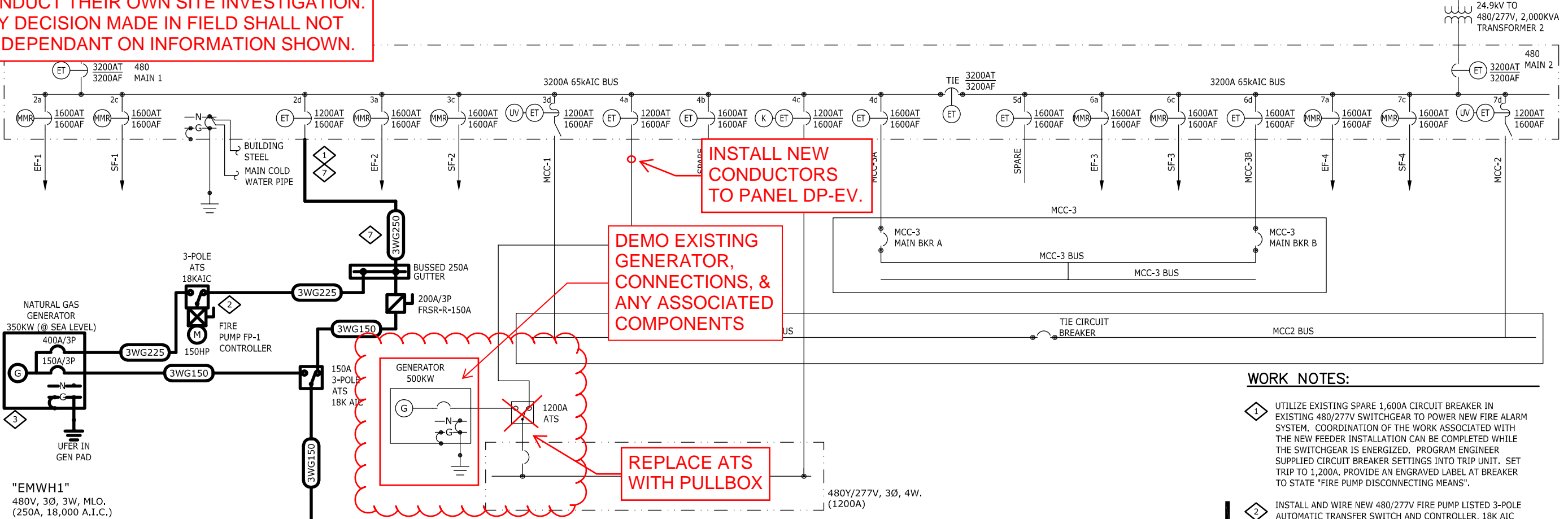
E2.2 EAST ELECTRICAL ONE-LINE DIAGRAM

THIS SHEET IS SHOWN FOR REFERENCE ONLY. ONE-LINE IS FROM RECORD DOCUMENTS AND RED LINE MARKUPS ARE FROM ATKINS TEAM SITE INVESTIGATIONS SHOWING PROPOSED DEMOLITION WORK. CONTRACTOR/ DESIGN BUILD TEAM TO CONDUCT THEIR OWN SITE INVESTIGATION. ANY DECISION MADE IN FIELD SHALL NOT BE DEPENDANT ON INFORMATION SHOWN.



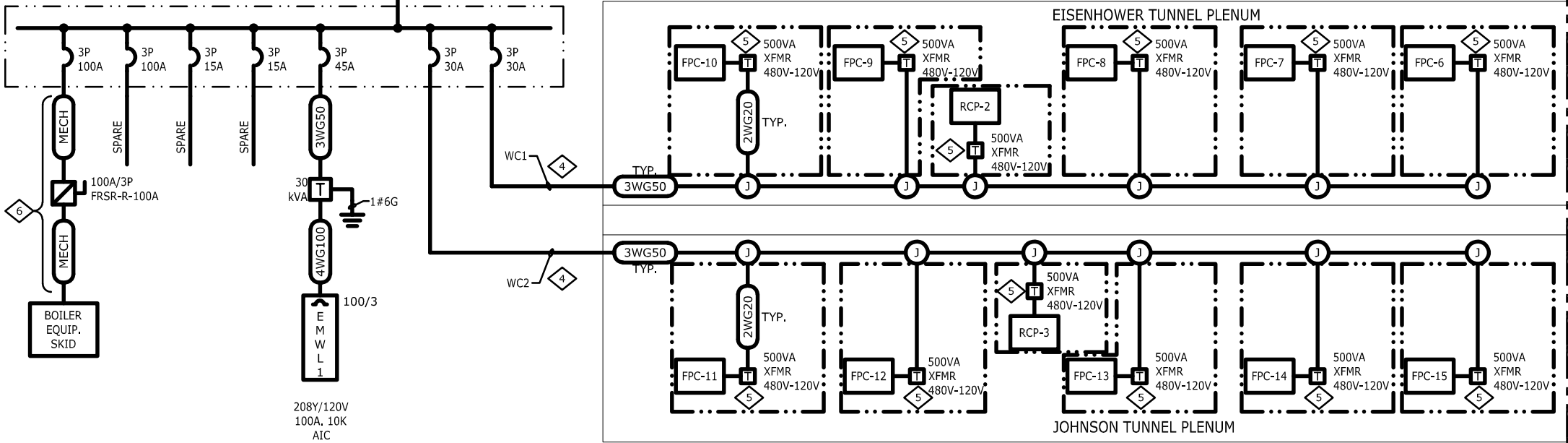
GENERAL NOTES:

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DISCONNECTS, CONDUIT, WIRE, AND FINAL CONNECTIONS BETWEEN IDENTIFIED EQUIPMENT INCLUDING (BUT NOT LIMITED TO) FIRE PUMPS, FIRE PUMP CONTROLLER, CIRCULATING PUMPS, AND CONTROL PANELS.
2. REFER TO DRAWING E1.0 FOR FEEDER SCHEDULE.
3. REFER TO DRAWING E1.2 FOR GENERATOR, "EMWH1" AND "EMWL1" LOAD INFORMATION.



WORK NOTES:

- 1 UTILIZE EXISTING SPARE 1,600A CIRCUIT BREAKER IN EXISTING 480/277V SWITCHGEAR TO POWER NEW FIRE ALARM SYSTEM. COORDINATION OF THE WORK ASSOCIATED WITH THE NEW FEEDER INSTALLATION CAN BE COMPLETED WHILE THE SWITCHGEAR IS ENERGIZED. PROGRAM ENGINEER SUPPLIED CIRCUIT BREAKER SETTINGS INTO TRIP UNIT. SET TRIP TO 1,200A. PROVIDE AN ENGRAVED LABEL AT BREAKER TO STATE "FIRE PUMP DISCONNECTING MEANS".
- 2 INSTALL AND WIRE NEW 480/277V FIRE PUMP LISTED 3-POLE AUTOMATIC TRANSFER SWITCH AND CONTROLLER, 18K AIC RATING. PROVIDE SKID MOUNTED OR ON A HOUSEKEEPING PAD.
- 3 FURNISH, INSTALL AND WIRE NEW OUTDOOR CUMMINS GFBC 350KW (@ SEA LEVEL; DE-RATED TO 238 KW AT ELEVATION) NATURAL GAS GENERATOR WITH 105C ALTERNATOR, AND REMOTE ANNUNCIATOR (LOCATED IN FP/BOILER ROOM).
- 4 ROUTE POWER FOR TUNNEL FIRE PROTECTION SYSTEM PANELS WITH CONDUITS SHOWN ON THE SYSTEMS GROUP DRAWINGS.
- 5 PROVIDE SINGLE PHASE STEP DOWN TRANSFORMER WITH PRIMARY(0.8A) AND SECONDARY(4A) OVER-CURRENT PROTECTION AND DISCONNECTING MEANS. INSTALL TRANSFORMER WITHIN THE FPC/RCP PANEL IN LOCATION SHOWN IN THE SYSTEMS GROUP DRAWINGS. COORDINATE INSTALLATION WITH SYSTEMS GROUP.
- 6 REFER TO EQUIPMENT SCHEDULE - SHEET E1.2 FOR FEEDER SIZE TO BOILER EQUIPMENT SKID.
- 7 FEEDER AND BUSSED GUTTER ARE SIZED FOR FIRE PUMP AND CIRCULATION PUMPS NOT RUNNING SIMULTANEOUSLY.

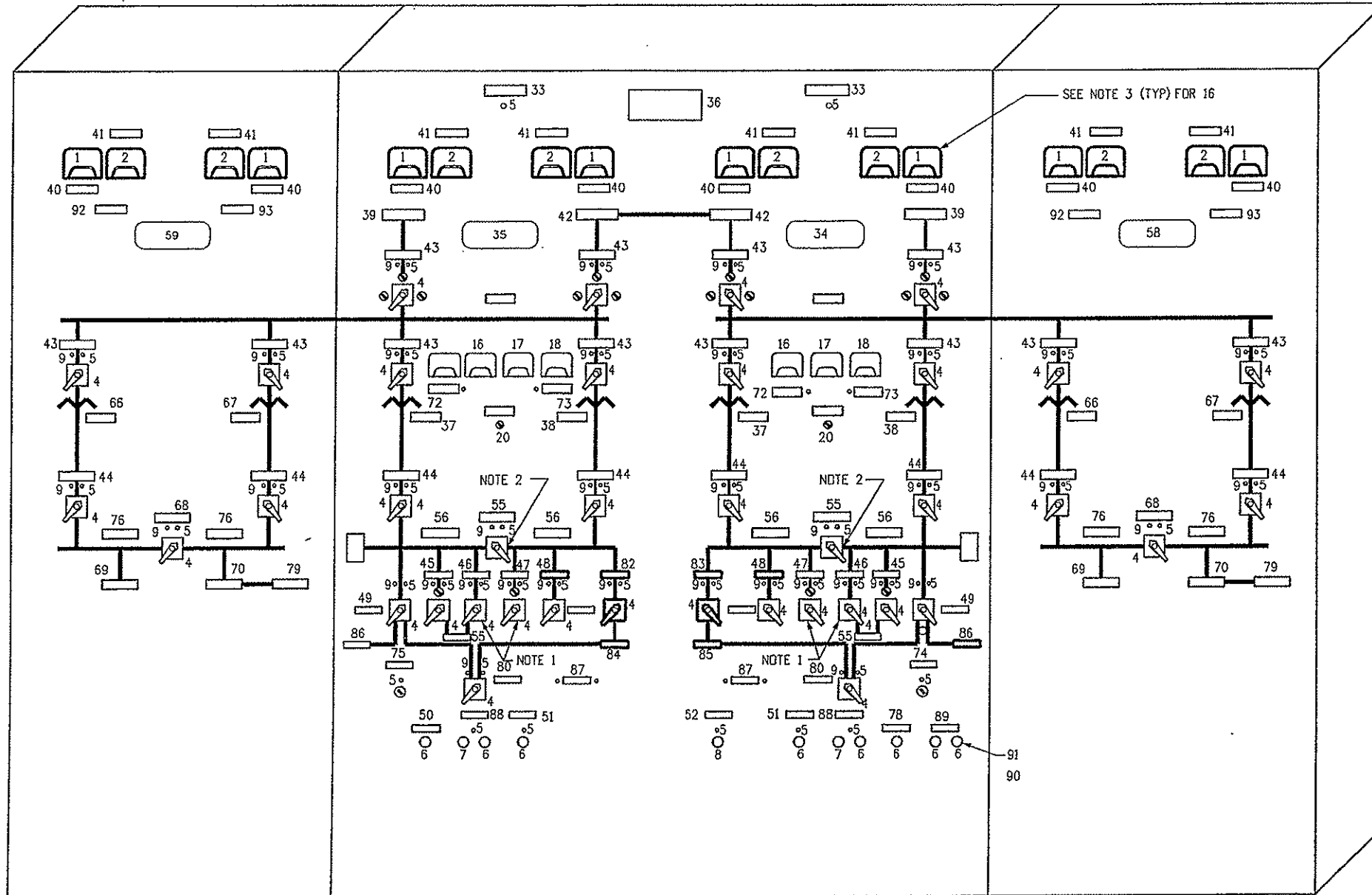


1 WEST VENTILATION BLDG 480V SWITCHGEAR ONE-LINE DIAGRAM
SCALE:N.T.S.

XREFS: (x-tb) LAYOUTS: (E2.1 WEST ELECTRICAL ONE-LINE DIAGRAM) SHEETS: (Electrical\E2.1 WEST ELECTRICAL ONE-LINE DIAGRAM.dwg JAN 29, 2015 10:20AM JBAKER DIMSCALE=1 P:\181914002\DWG\jmt - fixed fire suppression system

E2.1 WEST ELECTRICAL ONE-LINE DIAGRAM

RECORD DRAWINGS - 2015-11-16



- EQUIPMENT LIST**
1. AMMETER TYPE 171-141-LSV3 0-3000 AMP. SEE NOTE 3.
 2. VOLTMETER TYPE 171-031-SJSJ AC 0-600 VOLTS. SEE NOTE 3.
 3. SWITCH TYPE S81, 2 STAGE WITH KIRK KEYLOCK, 55-185285P3, ON-OFF.
 4. SWITCH TYPE S81, 2 STAGE 55-185285F6, ON-OFF.
 5. INDICATING LIGHTS, TYPE ET 16, RED, 125 V.D.C.
 6. CR2940UA202B PUSH BUTTON.
 7. CR2940UA202C PUSH BUTTON.
 8. CR2940UB202A SELECTOR SWITCH.
 9. INDICATING LIGHT, TYPE ET-16 GREEN 125 V.D.C.
 10. 0-5 MILLIAMMETER, TYPE 171-FXFX WITH 0-3000 AMP SCALE.
 11. 0-5 MILLIAMMETER, TYPE 171-FXFX WITH 0-600 VOLT SCALE.
 12. TERMINAL BOARD, (NOT SHOWN) CR151B26.
 13. TRANSFORMER #1.
 14. TRANSFORMER #2.
 15. SWITCH, TYPE S81, WITH KIRK KEYLOCK, 55-188285P4.
 16. AMP METER.
 17. HERTZ METER.
 18. VOLT METER.
 19. APPROACH LOW OIL PRESSURE LIGHT.
 20. GOVERNOR CONTROL.
 21. APPROACH HIGH WATER TEMPERATURE.
 22. AMMETER, AC 0-800AMP.
 23. VOLTMETER, AC 0-3000 VOLT.
 24. 0-5 MILLIAMMETER WITH 0-800 AMP SCALE.
 25. 0-5 MILLIAMMETER WITH 0-3000 VOLT SCALE.
 26. 0-5 MILLIAMMETER WITH 0-1000 AMP SCALE.
 27. 0-5 MILLIAMMETER WITH 55-65 HERTZ SCALE.
 28. 0-5 MILLIAMMETER WITH 0-600 VAC SCALE.
 29. INDICATING LIGHT, RED 125 V.D.C.
 30. PUSHBUTTON RESET.
 31. SELECTOR SWITCH, SPRING RETURN TO CENTER FROM LEFT & RIGHT POSITIONS, FAST-OFF-SLOW.
 32. SELECTOR SWITCH, START-STOP.

NAMEPLATE SCHEDULE

FIRST LINE	SECOND LINE	THIRD LINE	DETAIL
33. POWER	ON		2
34. EAST	BUILDING		1
35. WEST	BUILDING		1
36. POWER	CONTROL		1
37. TRANSFORMER		BOARD	2
38. TRANSFORMER		SECONDARY	2
39. PUBLIC SERVICE		SECONDARY	2
40. AMMETER		LINE	2
41. VOLTMETER			2
42. 24.9 K.V.			2
43. LDAD	EMERGENCY	TIE	2
44. AIR	BREAK	SWITCH	2
45. MCC #1	CIRCUIT	BREAKER	2
46. MCC #2	FEEEDER	BREAKER	2
47. MCC #3	FEEEDER	BREAKER	2
48. MCC #3	FEEEDER	BREAKER A	2
49. EMERGENCY	GENERATOR	BREAKER B	2
50. TUNNEL & BUILDING	NORMAL LIGHTS	RESET	2
51. BUILDING	POWER PANELS	RESET	2
52. SEDIMENTATION	TANKS	RESET	2
53. TUNNEL & BUILDING	NORMAL LIGHTS	RESET	2
54. EMERGENCY	GENERATOR	CONTROL	2
55. 460 VOLT	TIE BREAKER		2
56. 460 VOLT	BUSS		2
57. 24.9 K.V.	BUSS		2
58. EAST	BUILDING	SOUTH TUNNEL	2
59. WEST	BUILDING	NORTH TUNNEL	2
60. TRANSFORMER		SECONDARY	2
61. TRANSFORMER		SECONDARY	2
62. AMMETER			2
63. VOLTMETER			2
64. LDAD	BREAK	SWITCH	2
65. AIR	CIRCUIT	BREAKER	2
66. TRANSFORMER			2
67. TRANSFORMER			2
68. 2400 VOLT		BREAKER	2
69. MCC1A	EXHAUST		2
70. MCC1B	SUPPLY		2
71. EMERGENCY	GENERATOR	BREAKER	2
72. APPROACHING	LOW OIL	PRESS	2
73. APPROACHING	HIGH WATER	TEMP	2
74. EMERGENCY	GENERATOR	GOVERNOR CONTROL	2
75. EMERGENCY	GENERATOR	CONTROL	2
76. 2400 VOLT	BUSS		2
77. WEST VENT BUILDING	EMERGENCY GENERATOR		2
78. NORTH TUNNEL	BLDG & LIGHTS	NORMAL RESET	2
79. SOUTH TUNNEL	LIGHTS		2
80. EAST	PEAK SHAVING		2
81. WEST	PEAK SHAVING		2
82. AUTOMATIC	TRANSFER	SWITCH	2
83. AUTOMATIC	TRANSFER	SWITCH	2
84. TRANSFER	SWITCH	ATS-WV	2
85. TRANSFER	SWITCH	ATS-EV	2
86. EMERGENCY	GENERATOR		2
87. EAST D.C.	UNDER VOLTAGE		2
88. TUNNEL & BLDG.	D.C. LIGHTS	CONTROL ON	2
89. NORTH TUNNEL	BROWN OUT	ENGAGE ONE ONLY	2
90. SOUTH (PUSHBUTTON)			2
91. NORTH (PUSHBUTTON)			2
92. EXHAUST			2
93. SUPPLY			2

NOTES:

1. REWIRE TO EXCHANGE MCC#2 AND MCC #3 BREAKER CONTROL.
2. ADD NEW TIE BREAKER CONTROL SWITCH, TYPE 4.
3. PROVIDE NEW METER IN PLACE OF EXISTING METER.
4. NAMEPLATES SHALL BE ADHESIVE TYPE.
5. INDICATING LIGHTS SHALL BE MB120 BULB TYPE, NOT LED TYPE.
6. ALL MODIFICATIONS TO POWER BOARD TO BE PAID FOR AS ITEM 210-00478, MODIFY POWER CONTROL BOARD WITH THE FOLLOWING QUANTITIES:

ITEM	QUANTITY	UNIT
MODIFY POWER CONTROL BOARD	1	LS

EXISTING POWER CONTROL BOARD
N.T.S.

THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS FROM RECORD DOCUMENTS. CONTRACTOR/ DESIGN BUILD TEAM TO CONDUCT THEIR OWN SITE INVESTIGATION TO VERIFY INFORMATION SHOWN. ANY DECISION MADE IN FIELD SHALL NOT BE DEPENDANT ON INFORMATION SHOWN.

Print Date: 10/2/2007	Sheet Revisions	Colorado Department of Transportation	As Constructed	POWER CONTROL BOARD		Project No./Code
Drawing File Name: 16096LEDiagram01.dgn	Date: _____	Mountain Residency P.O. Box 399 Dumont, CO 80436 Phone: 303-512-5750 FAX: 303-512-5775	No Revisions: 11/23/09	LAYOUT AND DETAILS		1M-0703-319
Horiz. Scale: _____ Vert. Scale: _____	Comments: _____	Region 1	Revised: _____	Designer: J. SHELDON	Structure Numbers: _____	16096
Unit Information: _____ Unit Leader Initials: _____	Init.: _____	INZ	Void: _____	Detailer: R. KWONG	Subset Sheets: _____	Sheet Number 14

THIS SHEET IS SHOWN FOR REFERENCE ONLY OF PROPOSED ELECTRICAL EQUIPMENT LOCATIONS. CONTRACTOR/ DESIGN BUILD TEAM TO CONDUCT THEIR OWN SITE INVESTIGATION BEFORE COMPLETING WORK. ANY DECISION MADE IN FIELD SHALL NOT BE DEPENDANT ON INFORMATION SHOWN.



NOTE: NOT TO SCALE



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DRAWN:	PKE
CHECKED:	LS
DATE:	11/12/2021
JOB NUMBER:	21047
PROJECT MGR:	AW

EISENHOWER/JOHNSON MEMORIAL TUNNEL ELECTRICAL EQUIPMENT LOCATIONS OPTION #1