

BIDDING AND CONTRACT DOCUMENTS
ADDENDUM NUMBER ONE
FEDERAL PROJECT NO. 15-109A-3
STATE PROJECT NO. AIR 156-109A-3

DATE: MAY 20, 2016

LEE'S SUMMIT MUNICIPAL AIRPORT

CRAWFORD, MURPHY, TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
SAINT LOUIS, MISSOURI 63102

TO: ALL PLANHOLDERS AND POTENTIAL BIDDERS

SUBJECT: ADDENDUM NUMBER ONE TO THE BIDDING DOCUMENTS FOR:
WIDEN, RECONSTRUCT AND EXTEND RUNWAY 18-36

This addendum forms a part of the bidding and contract documents, and modifies the original bidding documents dated May 2, 2016. This addendum must be signed on the last page and included with the submitted Bid Package uploaded to the QuestCDN website (Project No. 4451039). FAILURE TO NOT RECOGNIZE THE ADDENDUM ON THE PROPOSAL FORM MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

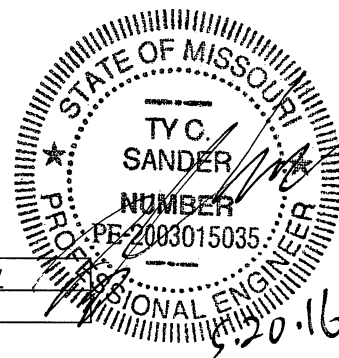
The Contract Documents are revised as follows:

PLANS:

Sheet 2 of 188

ADD:

Item No.	Item Description	Unit	Quantity
SP-2-5.2	KCP&L Allowance	LS	1



Sheet 6 of 188

REPLACE Phase 1 notes, note 4 with:

THERE ARE NO SEASONAL RESTRICTIONS TO THE COMMENCEMENT OF PHASE 1, HOWEVER THE SWITCHOVER FOR THE RELOCATED WATERMAINS ON THE NORTH END OF THE AIRPORT MAY NOT OCCUR BETWEEN THE DATES OF APRIL 15 AND OCTOBER 15 OF ANY YEAR. THE CONTRACTOR SHALL PAY LIQUIDATED DAMAGES OF \$1,500 PER DAY FOR EACH DAY THAT ALL WATERLINES ARE NOT OPERATIONAL BEYOND THE DATE SPECIFIED.

Sheet 8 of 188

REPLACE NOTE: Water main switchover may not occur between May 15th & September 15th
WITH: Water main switchover may not occur between April 15th & October 15th.

Sheet 10 of 188

REPLACE NOTE: The switchover from existing waterlines to relocated lines may not occur between May 15th & September 15th
WITH: The switchover from existing waterlines to relocated lines may not occur between April 15th & October 15th.

Sheet 107 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 108 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 109 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 110 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 111 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 113 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 118 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 120 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 121 of 188

REPLACE this sheet with Revision 1 sheet attached.

Sheet 122 of 188

REPLACE this sheet with Revision 1 sheet attached.

CONTRACT DOCUMENTS:

Section 2, Instructions to Bidders:

CLARIFICATION: All Contractors performing work on this project (Prime and sub-contractors) shall obtain a business license from the City of Lee's Summit.

Section 5, Technical Specifications

ITEM P-501 PORTLAND CEMENT CONCRETE PAVEMENTS:

REVISE: Section 501-2.3.a CEMENTITIOUS MATERIALS – Fly ash.

Delete "a Calcium Oxide (CaO) content of less than 13%" and replace with "a Calcium Oxide (CaO) content of less than 16%".

CLARIFICATION: Section revised to allow the use of FAA-approved Durapoz F, at a contractor's request. All other acceptance requirements of the specification still need to be met

ITEM SP-2 PAD MOUNTED TRANSFORMER POWER RELOCATION:

ADD to end of paragraph 1.1 General: An allowance of \$20,000 is provided for in the bidding documents for the direct costs to be paid to KCP&L, this cost will be modified via change order based upon the actual costs paid by the Contractor to KCP&L for this work.

ADD to METHOD OF MEASUREMENT, paragraph 4.1 General: The amount to be paid for the KCP&L Allowance will be the actual cost paid by the Contractor directly to KCP&L for their work associated with this project. The Contractor shall provide paid receipts for all costs, no markup or will be allowed under this pay item.

ADD to BASIS OF PAYMENT, 5.1:

Item SP-2-5.2 KCP&L Allowance – per lump sum.

Appendix, CONSTRUCTION SAFETY & PHASING PLAN (CSPP):

REPLACE: all occurrences of the note "switchover from existing to proposed watermain may not occur between May 15th and September 15th " with " switchover from existing to proposed watermain may not occur between April 15th and October 15th ".

Proposal/Forms, PROPOSAL FORM:

INSERT prior to ACKNOWLEDGEMENTS BY BIDDERS:

Fixed Cost Items

BID ITEM	FAA or MoDOT SPEC.	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE	COST
98	SP-2-5.2	KCP&L Allowance	1 LS	\$20,000	\$20,000

CRAWFORD, MURPHY & TILLY, INC.

This Addendum consists of 3 pages plus revised plan Sheets 107, 108, 109, 110, 111, 113, 118, 120, 121 and 122 of 188.

Signed
(Contractor)

Date

Contractor to sign and date this Addendum #1 to acknowledge receipt. This signed Addendum must be uploaded to the QuestCDN website as part of the submitted Bid Package

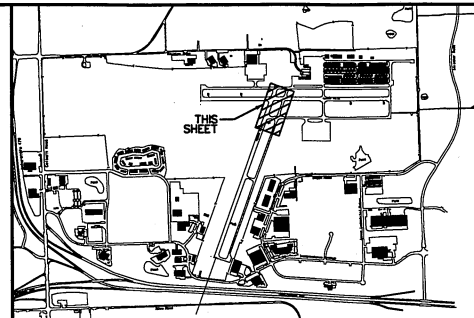
SITE PLAN NOTES:

- EXISTING UTILITY METER AND RWY 11 PAPI POWER BACK TO REMAIN. SEE SHEET 110.
- EXISTING 2" TYPE USE, 1" 8 GROUND IN GILA DUCT TO EXISTING LOCATION OF RWY 11 PAPI POWER & CONTROL STATION.
- EXISTING LOCATION OF RWY 11 4-BOX FA-10620 PAPI AND POWER & CONTROL STATION. TO BE RELOCATED AS SHOWN ON THIS SHEET.
- INTERCEPT EXISTING 3/C *2 ARMORED CABLE AND INSTALL SPLICE CAN, L-857, CLASS 1A, SIZE B, 30" D, WITH SOLID TOP. SPLICE CAN SHALL HAVE INTERIOR AND EXTERIOR GROUND LUGS. USING A CAST SPLICE, SCOTCHCAST 82-A, SPLICE PROPOSED ARMORED CABLE TO EXISTING ARMORED CABLE. BOND THE EXISTING AND PROPOSED CABLE ARMOR TO INTERIOR GROUND LUG. CONNECT SPLICE CAN EXTERIOR GROUND LUG AND *1/0 AWG BARE COPPER GUARD WIRE TO 3/4" X 10' COPPER CLAD GROUND ROD.
- PROPOSED 3/C *2 600V ARMORED CABLE WITH *6 GROUND FROM PROPOSED SPLICE CAN TO RELOCATED RWY 11 PAPI POWER & CONTROL STATION. INSTALL *1/0 AWG BARE COPPER GUARD WIRE BONDED TO 3/4" X 10' COPPER CLAD GROUND RODS EVERY 90 FEET.
- RELOCATED RWY 11 4-BOX FA-10620 PAPI AND POWER & CONTROL STATION. SEE SHEET 110.
- EXISTING RWY 11 END OF RUNWAY 11-29.
- EXISTING RWY 11 REL.
- EXISTING RWY 11 REL POWER & CONTROL WIRING TO BE DISCONNECTED AND ABANDONED.
- EXISTING RWY 11 REL POWER & CONTROL RACK TO REMAIN IN PLACE. SEE SHEET 112.
- PROPOSED POWER & CONTROL WIRING, MATCHING EXISTING, TO RELOCATED RWY 11 REL FLASH HEADS. SEE SHEET 114.
- RELOCATED RWY 11 REL FLASH HEADS. SEE SHEET 113.
- PROPOSED REL FLASH HEAD POWER & CONTROL WIRING, MATCHING EXISTING, BETWEEN REL FLASH HEADS. SEE SHEET 114.
- EXISTING LB 3 TRANSFORMER HOUSING (SEE SHEET 112) TO BE RELOCATED TO PROPOSED THRESHOLD. INSTALL PROPOSED WIRING BETWEEN HOUSING AND REL MAIN CONTROL CABINET TO MATCH EXISTING (SEE SHEET 114).
- PROPOSED PAPI ACCESS DRIVE. PCC PAVEMENT 12' WIDE. SEE PROPOSED LAYOUT SHEETS FOR FURTHER DETAIL.
- USE EXISTING 4-WAY DUCT BANK UNDER TAXIWAY.

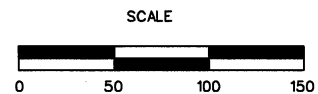
REVISIONS

NUMBER	BY	DATE
1	WDP	5/20/16

0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34X22).
PLOT 1



KEY MAP



SCALE

NE LEINWEBER RD

SEE NOTE 1

SEE NOTE 2

EXISTING FENCE

SEE BELOW

TAXIWAY B

SEE NOTE 16

SEE NOTE 5

SEE NOTE 4

SEE NOTE 2

SEE NOTE 15

SEE NOTE 3

SEE NOTE 6

SEE NOTE 8

SEE NOTE 12

RSA

RSA

RSA

RSA

RSA

RSA

SEE NOTE 13

77.5'

PROPOSED THRESHOLD

SEE NOTE 7

SEE NOTE 14

SEE NOTE 9

SEE NOTE 14

RSA

RSA

RSA

RSA

RSA

RSA

SEE NOTE 12

45.0'

SEE NOTE 11

SEE NOTE 9

SEE NOTE 8

763.88'

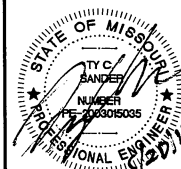
RUNWAY 11-29

RUNWAY 11-29

TAXIWAY A

SEE NOTE 10

SEE ABOVE



ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102
(314) 438-5500



LEE'S SUMMIT PROJECT #169-321-72C
FEDERAL PROJECT #15-109A-3
STATE PROJECT #AIR 156-109A-3

FILE: 107_PAPI_REIL_11_Site_Plan.dgn

DESIGN BY: BDB

DRAWN BY: BDB

CHECKED BY: TCS

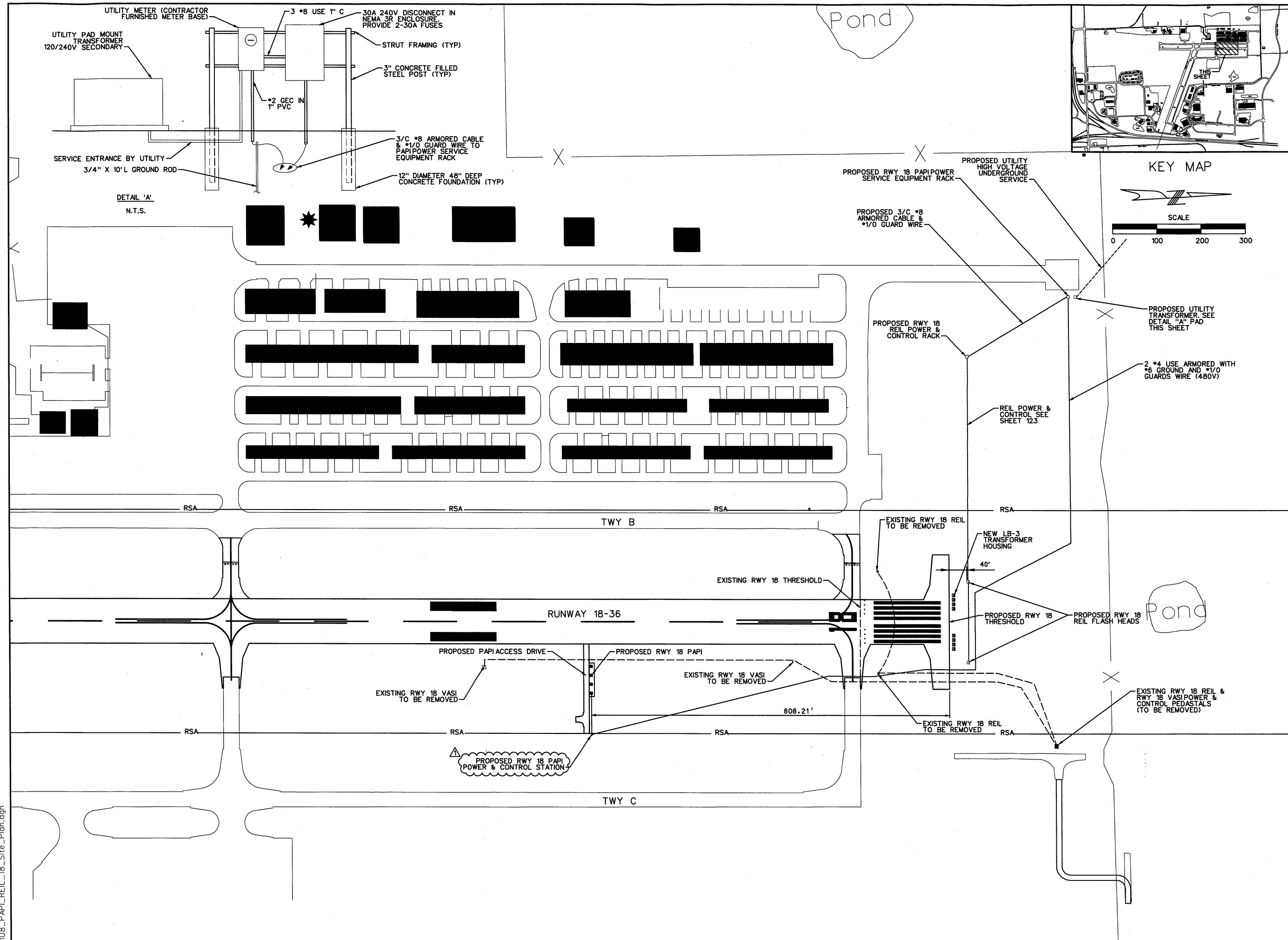
APPROVED BY: TCS

DATE: MAY 2, 2016

JOB No: 15443-01

RUNWAY 11
PAPI AND REIL
SITE PLAN

SHEET 107 OF 188 SHEETS



REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

WIDEN, RECONSTRUCT AND EXTEND
RUNWAY 18-36

ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102
(314) 436-5500

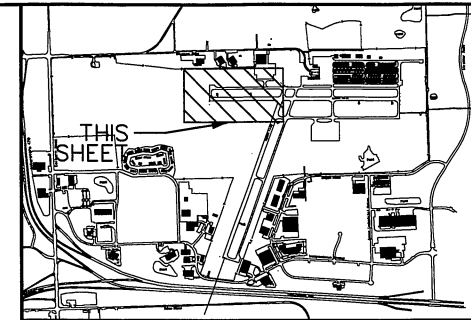
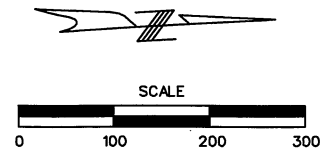


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LEE'S SUMMIT PROJECT #15
FEDERAL PROJECT #15
STATE PROJECT #A1D 15

SITE PLAN NOTES:

1. RUNWAY LIGHTING INTERFACE FOR REIL CONTROL. REIL CURRENT SENSOR PICK-UP AND LB-3 TRANSFORMER HOUSING TO BE RELOCATED TO PROPOSED RUNWAY 36 THRESHOLD BAR.
2. LEFT REIL FLASH HEAD TO BE RELOCATED AS SHOWN ON THIS SHEET.
3. RIGHT REIL FLASH HEAD TO BE RELOCATED AS SHOWN ON THIS SHEET.
4. EXISTING RUNWAY 36 THRESHOLD LIGHTS.
5. PROPOSED RUNWAY 36 THRESHOLD LIGHTS.
6. EXISTING REIL POWER & CONTROL RACK TO BE RELOCATED AS SHOWN ON THIS SHEET.
7. EXISTING 240/480V POWER PANEL FOR EXISTING RWY 11 REIL AND EXISTING RWY 36 REIL & VASI. CONNECT PROPOSED 2 *4 USE, 1*6 GROUND ARMORED CABLE TO EXISTING 30A CIRCUIT BREAKER FOR RELOCATED RWY 36 REIL CIRCUIT AND PROPOSED 2 *4 USE, 1*6 GROUND ARMORED CABLE TO EXISTING 30A CIRCUIT BREAKER FOR PROPOSED RWY 36 PAPI CIRCUIT. (SEE NOTE 13).
8. PROPOSED 2 *4 USE, 1*6 GROUND ARMORED CABLE FOR RELOCATED RWY 36 REIL CIRCUIT AND PROPOSED 2 *4 USE, 1*6 GROUND ARMORED CABLE FOR PROPOSED RWY 36 PAPI CIRCUIT. (SEE NOTE 13)
9. PROPOSED 2 *4 USE, 1*6 GROUND ARMORED CABLE FOR PROPOSED RWY 36 PAPI CIRCUIT. (SEE NOTE 13)
10. PROPOSED 2 *4 USE, 1*6 GROUND ARMORED CABLE FOR RELOCATED RWY 36 REIL CIRCUIT. (SEE NOTE 13)
11. SEE RELOCATED RWY 36 REIL WIRING SCHEMATIC.
12. SEE RUNWAY 18-36 PAPI POWER AND CONTROL RACK.
13. INSTALL 1/0 GUARD WIRE WITH 3/4" X 10' LONG GROUND RODS EVERY 90 FEET +/- ABOVE ARMORED CABLE. OFFSET GROUND RODS BY 6' FROM CENTERLINE OF TRENCH.

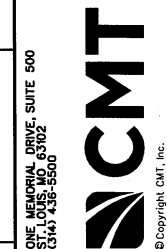
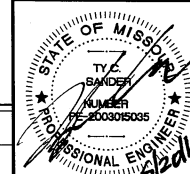


KEY MAP

REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16

0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34X22).
PLOT 1

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
WIDEN, RECONSTRUCT AND EXTEND
RUNWAY 18-36



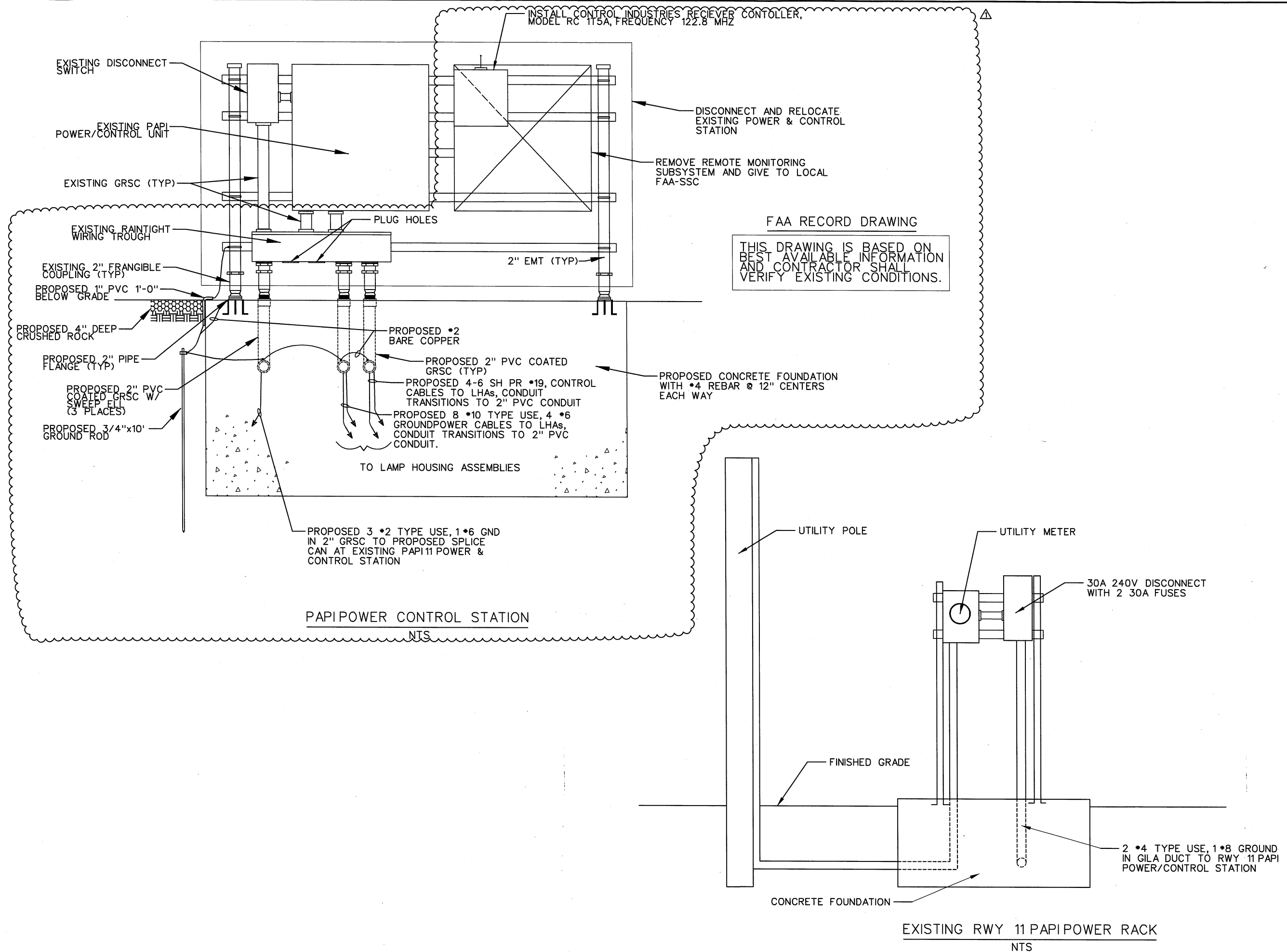
LEE'S SUMMIT PROJECT #169-321-72C
FEDERAL PROJECT #15-109A-3
STATE PROJECT #AIR 156-109A-3

FILE: 109_PAPI_REIL_36_Site_Plan.dgn
DESIGN BY: BDB
DRAWN BY: BDB
CHECKED BY: TCS
APPROVED BY: TCS
DATE: MAY 2, 2016
JOB No: 15443-01

RUNWAY 36
PAPI AND REIL
SITE PLAN

SHEET 109 OF 188 SHEETS

5/20/2016
110_RELOCATED_RWY_11_PAPI_POWER&CONTROL_STATION.dgn



REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16

0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34x22).
PLOT 1

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

WIDEN, RECONSTRUCT AND EXTEND
RUNWAY 18-36

STATE OF MISSOURI
JAMES P. 000000000000
PROFESSIONAL ENGINEER
6/2/2016

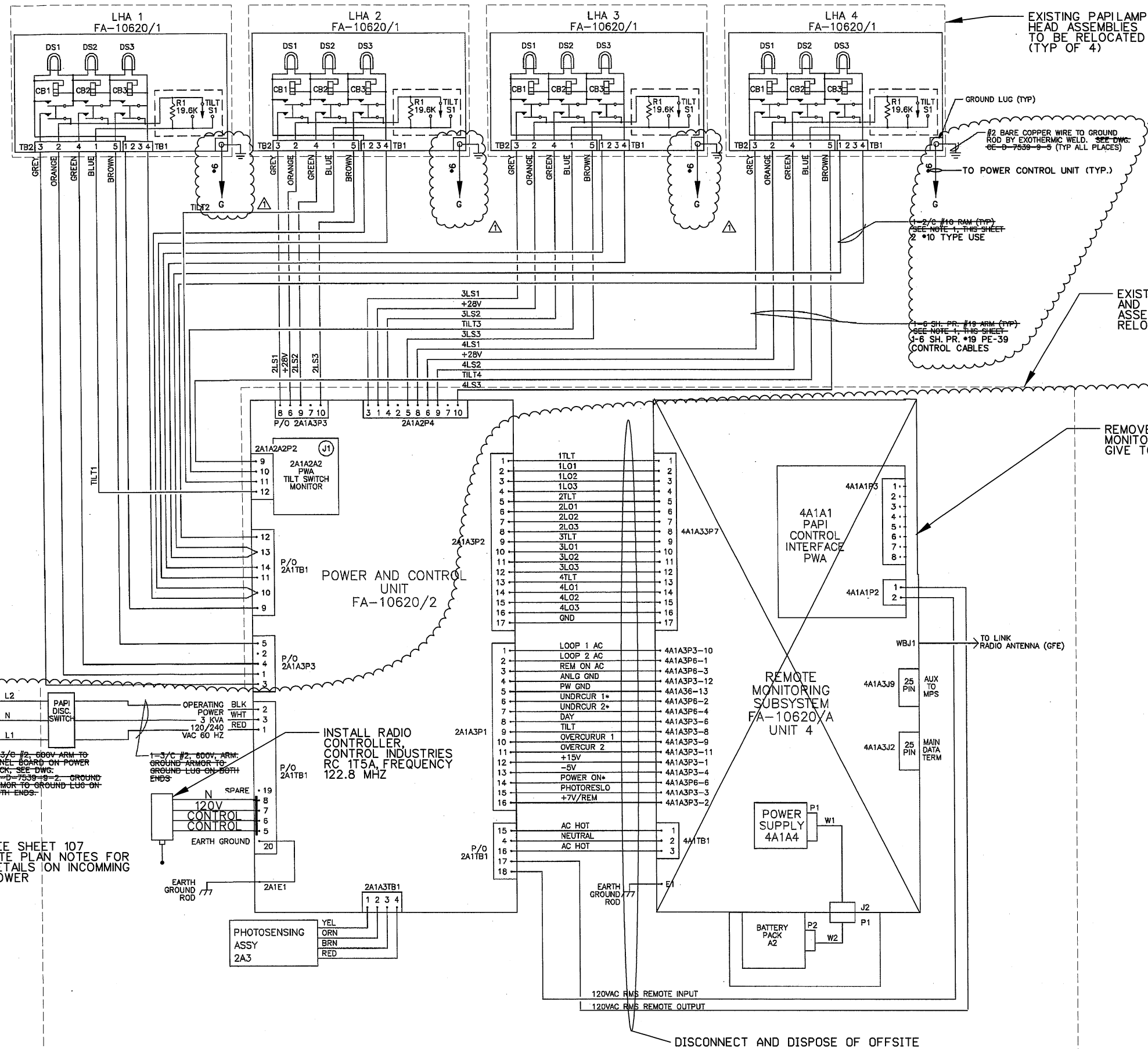
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102
314.338-5500

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LEE'S SUMMIT PROJECT #169-321-72C
FEDERAL PROJECT #15-109A-3
STATE PROJECT #AIR 156-109A-3

FILE: 110_RELOCATED_RWY_11_PAPI.PC
DESIGN BY: BDB
DRAWN BY: BDB
CHECKED BY: TCS
APPROVED BY: TCS
DATE: MAY 2, 2016
JOB No: 15443-01
RELOCATED RWY 11
PAPI POWER &
CONTROL STATION
SHEET 110 OF 188 SHEETS

5/20/2016
T11_RELOCATED_RWY_11_PAPI_EXISTING_WIRING_SCHEMATIC.dgn



NOTES:
1. GROUND ARMORED SHEATHING TO GROUND LUGS BOTH AT THE POWER/CONTROL ASSEMBLY AND AT EACH LHA.

FAA RECORD DRAWING

THIS DRAWING IS BASED ON BEST AVAILABLE INFORMATION AND CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.

PAPI WIRING SCHEMATIC N.T.S.

REMOVE AND REBOX REMOTE MONITORING SUBSYSTEM AND GIVE TO LOCAL FAA-SSC

REV.	DATE	DESCRIPTION	JOB ORDER NUMBER	APPROVED
1	6/7/96	AS BUILT (9/26/95)	12443	COW

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
CENTRAL REGION - KANSAS CITY, MISSOURI

DRAWING TITLE
PAPI WIRING SCHEMATIC
RUNWAY 11
LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

COORDINATED WITH	DESIGNED BY	ISSUED BY	SUBMITTED BY
	SLF	AIRWAY FACILITIES DIVISION 601 EAST 12TH STREET KANSAS CITY, MISSOURI 64106	Alphin C. Setoodeh

ALPHA TYPE	LOCATION	AF/REMOTE	AF/CONTROL	R/CSS
PAPI	K84	11	MKC	3833F

DATE: 12/29/94
MASTER USED: CE-D-7912-4
DATE: 12/29/94

CEG FILE NAME: CE-K84-7539-9-6-S1-R1-B
DRAWING NO. CE-D-7539-9-6
SHEET 1 OF 2

REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16

0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34X22).
PLOT 1

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

WIDEN, RECONSTRUCT AND EXTEND
RUNWAY 18-36

LEE'S SUMMIT PROJECT #169-321-72C
FEDERAL PROJECT #15-109A-3
STATE PROJECT #AIR 156-109A-3

STATE OF MISSOURI
TYPED AND SIGNED
NAME
PE 203005035
5/20/16
PROFESSIONAL ENGINEER

ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102
CMT 438-5500

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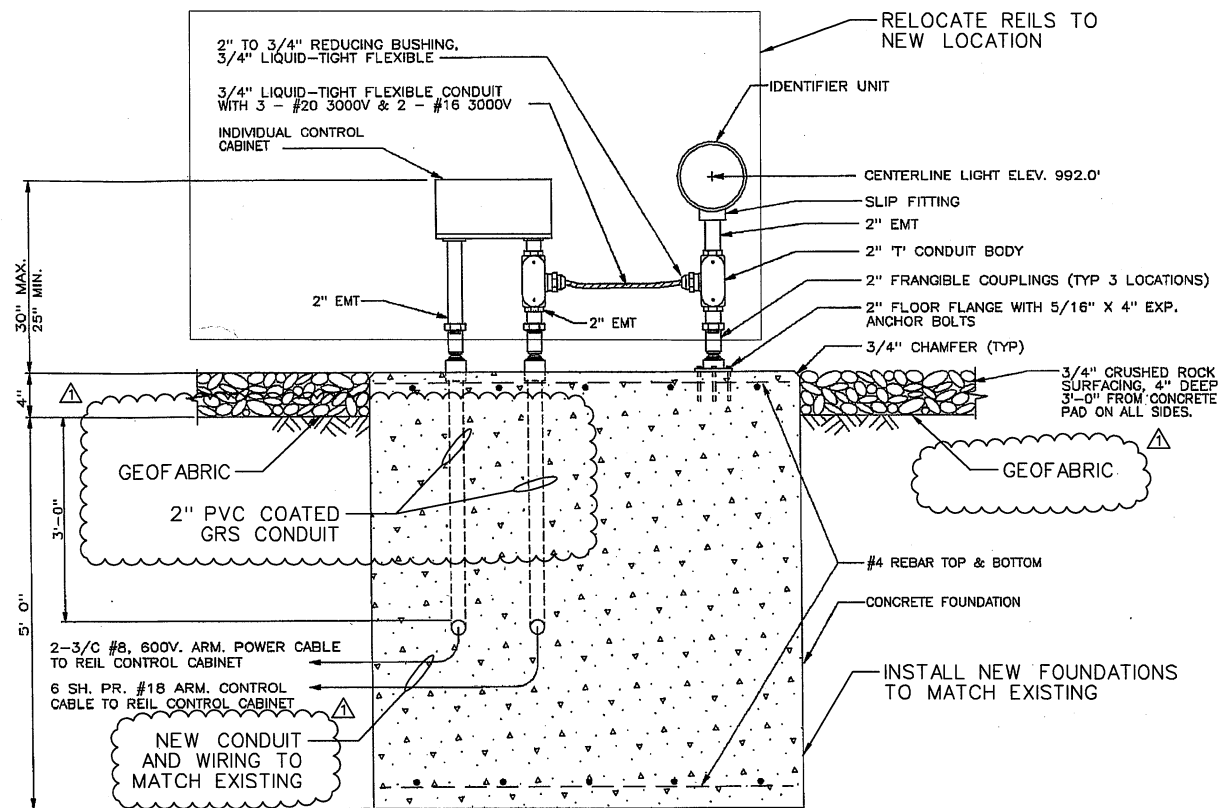
FILE: 111_RELOCATED_RWY_11_PAPI.EX

DESIGN BY: BDB
DRAWN BY: BDB
CHECKED BY: TCS
APPROVED BY: TCS
DATE: MAY 2, 2016
JOB No: 15443-01

RELOCATED RWY 11
PAPI WIRING SCHEMATIC

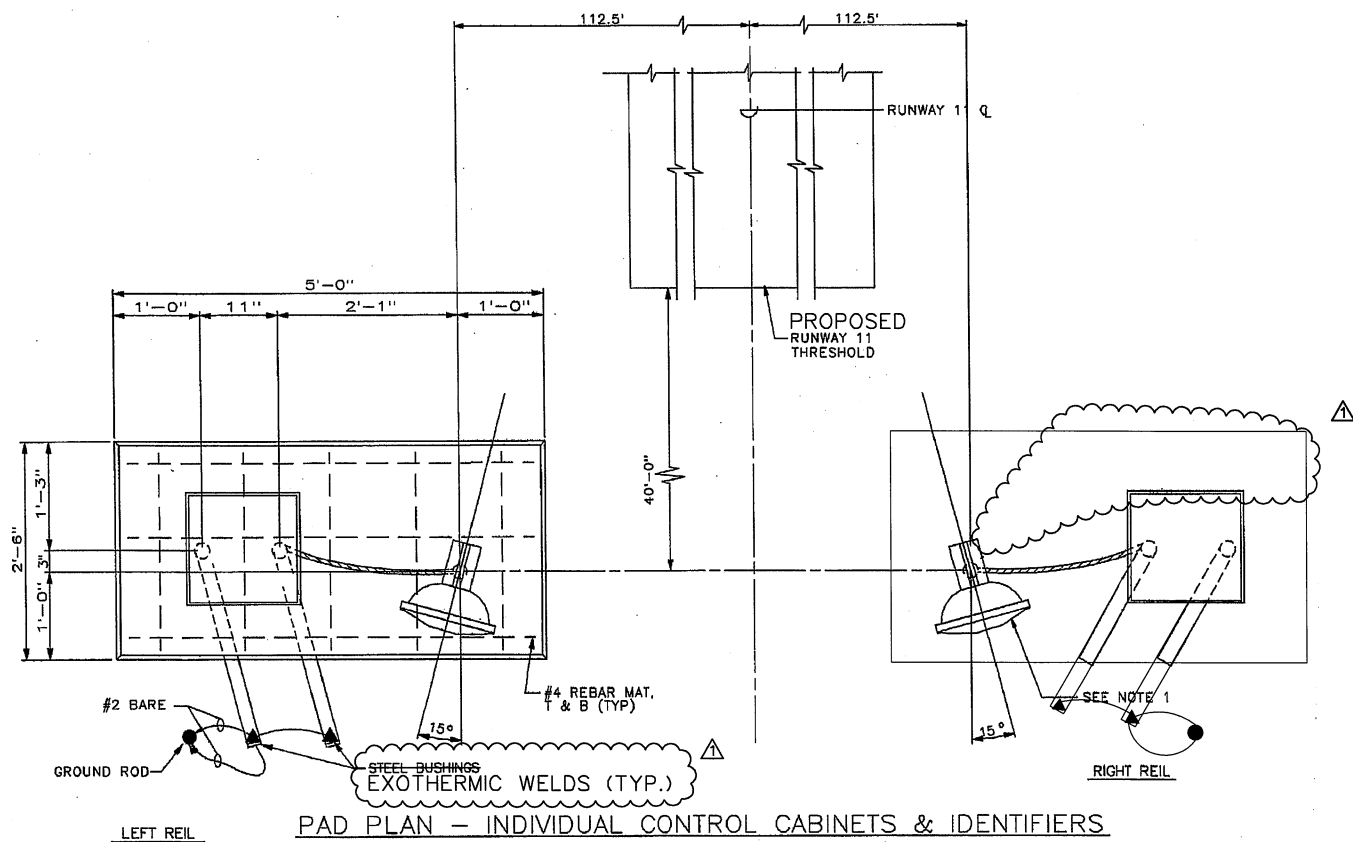
SHEET 111 OF 188 SHEETS

5/20/2016
113_RELOCATED_RWY_11_REIL_FLASH_HEADS.dgn



FRONT ELEVATION - LEFT RAIL INDIVIDUAL CONTROL CABINET AND IDENTIFIER

SCALE: 1" = 1'-0"



PAD PLAN - INDIVIDUAL CONTROL CABINETS & IDENTIFIERS

APPROACH VIEW

SCALE: 1" = 1'-0"

NOTES:

1. IDENTIFIERS AIMED 15 DEGREES OUTWARD FROM THE RUNWAY CENTERLINE AND 10 DEGREES ABOVE THE HORIZONTAL.
2. THE INDIVIDUAL CONTROL CABINETS, IDENTIFIERS (LEFT AND RIGHT SIDES) AND ASSOCIATED FOUNDATIONS ARE MIRROR IMAGES.
3. INSTALL 1/0 BARE COPPER GUARD WIRE ABOVE CABLE WITH 3/4" X 10' L GROUND RODS EVERY 90' +/-, OFFSET GROUND RODS BY 6' FROM CENTERLINE OF TRENCH.

LEGEND:

- AGL - ABOVE GROUND LEVEL
RSC - RIGID STEEL CONDUIT WITH PVC COATING
EMT - ELECTRICAL METAL TUBING
● GROUND ROD, 3/4"x10' COPPER CLAD STEEL
▲ EXOTHERMIC WELD (CADWELD)

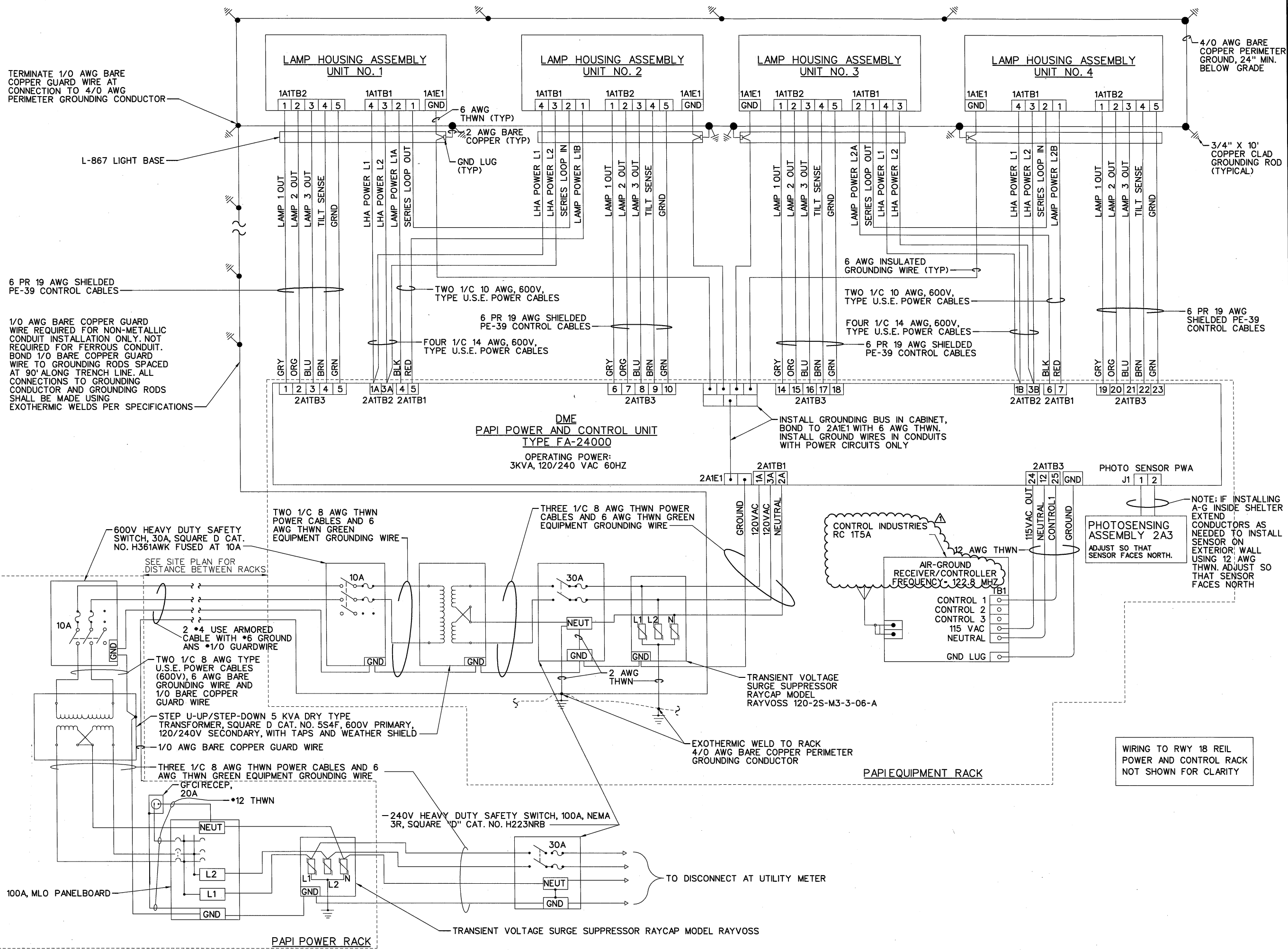
FAA RECORD DRAWING

THIS DRAWING IS BASED ON BEST AVAILABLE INFORMATION AND CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.

1	6/7/96	AS-BUILT (9/26/95)	12443	AGS
REV.	DATE	DESCRIPTION	JOB ORDER NUMBER	APPROVED
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION CENTRAL REGION - KANSAS CITY, MISSOURI				
REIL DETAILS RUNWAY 11 LEE'S SUMMIT MUNICIPAL AIRPORT LEE'S SUMMIT, MISSOURI				
COORDINATED WITH	DATE	ISSUED BY	SUBMITTED BY:	
J. PERKINS		AIRWAY FACILITIES DIVISION 601 EAST 12TH STREET KANSAS CITY, MISSOURI 64108	Aphin C. Setoodeh	
CHECKED BY:			ORIGINAL SIGNED BY: AFSHIN C. SETOODEH	
			APPROVED BY:	
ALPHA TYPE	LOCATION	AF/REMOTE	AF/CONTROL	R/CCG
REIL	K84	11	MKC	3833F
CAEG FILE NAME:	DRAWING NO.		SHEET	REV
CE_K84_7539_10_3_S2_R1_B	CE-D-7539-10-3		2 OF 2	1
DATE: 2/1/95		MASTER USED:		

REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16
LEE'S SUMMIT MUNICIPAL AIRPORT LEE'S SUMMIT, MISSOURI WIDEN, RECONSTRUCT AND EXTEND RUNWAY 18-36		
LEE'S SUMMIT PROJECT #169-321-72C FEDERAL PROJECT #15-109A-3 STATE PROJECT #AIR 156-109A-3		
CMT ONE MEMORIAL DRIVE, SUITE 500 ST. LOUIS, MO 63102 (314) 338-5500 © Copyright CMT, Inc. PROFESSIONAL ENGINEERING - 000631		
FILE: 113_RELOCATED_RWY_11_REIL_FL		
DESIGN BY: BOB		
DRAWN BY: BOB		
CHECKED BY: TCS		
APPROVED BY: TCS		
DATE: MAY 2, 2016		
JOB No: 15443-01		
RELOCATED RWY 11 REIL FLASH HEADS		
SHEET 113 OF 188 SHEETS		

5/20/2016
118_RWY_18-36_PAPI WIRING DIAGRAM TYPE FA-24000.dgn



REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16

0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34X22).
PLOT 1

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
WIDEN, RECONSTRUCT AND EXTEND RUNWAY 18-36

STATE OF MISSOURI
JAMES P. 20030150035
PROFESSIONAL ENGINEER
5/20/16

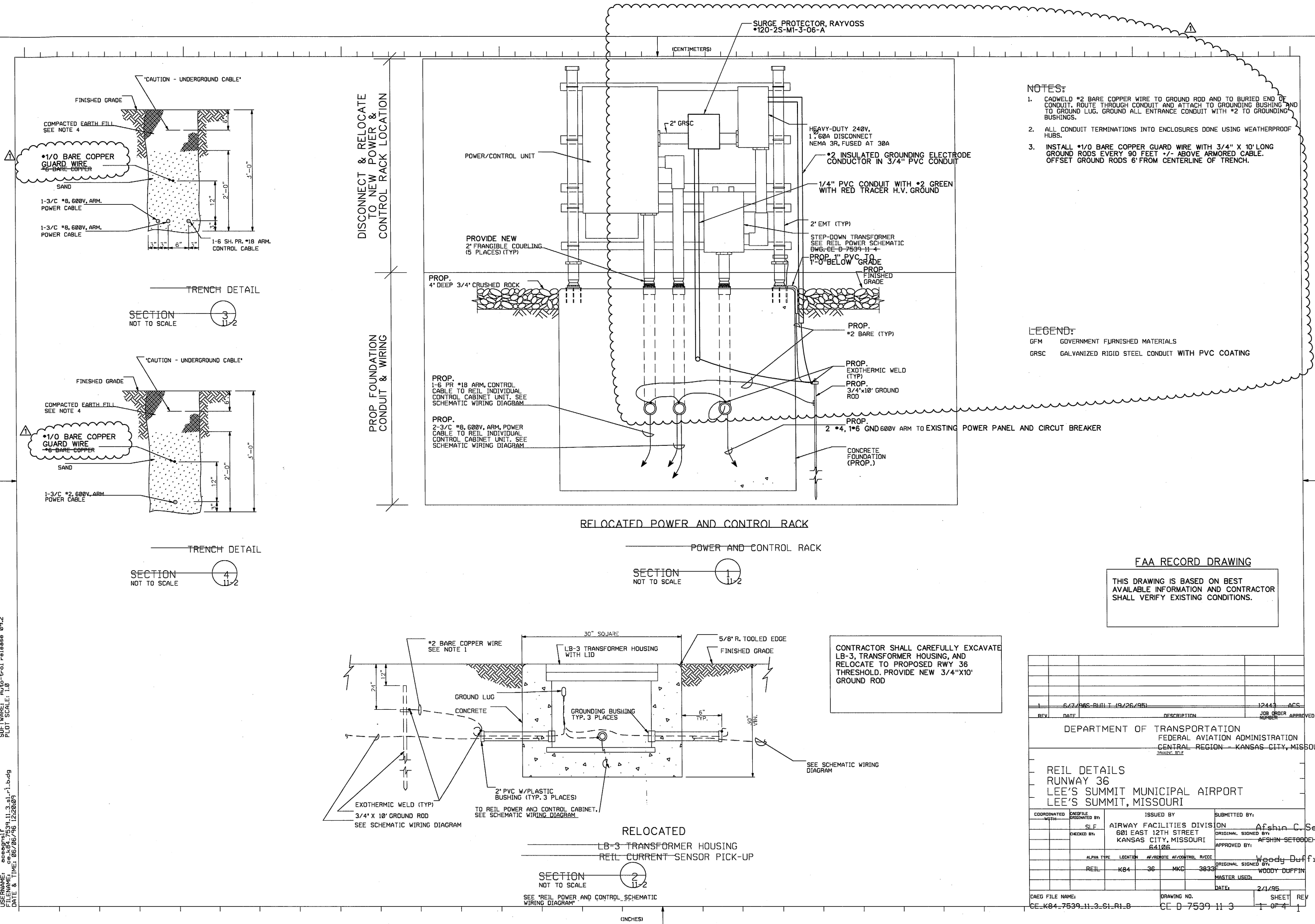
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ST. LOUIS, MO 63102
314.138.5500

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LEE'S SUMMIT PROJECT #169-321-72C
FEDERAL PROJECT #15-109A-3
STATE PROJECT #AIR 156-109A-3

FILE: 118_RWY_18-36_PAPI WIRING.DWG
DESIGN BY: BDB
DRAWN BY: BDB
CHECKED BY: TCS
APPROVED BY: TCS
DATE: MAY 2, 2016
JOB No: 15443-01
RUNWAY 18-36
PAPI SYSTEM
WIRING DIAGRAM
TYPE FA-24000
SHEET 118 OF 188 SHEETS

SOFTWARE: Auto-tol release 09/2
PLOT SCALE: 1:0
USERNAME: cec@cmf
FILENAME: ce-k84-7539-11-3-sl-1-b.dg
DATE & TIME: 05/05/16 12:26:09



REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16

0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34X22).
PLOT 1

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

WIDEN, RECONSTRUCT AND EXTEND
RUNWAY 18-36

LEE'S SUMMIT PROJECT #169-321-72C
FEDERAL PROJECT #15-109A-3
STATE PROJECT #AIR 156-109A-3

STATE OF MISSOURI
TYE
BANDER
NUMBER
DE 0003015035
PROFESSIONAL ENGINEER
5/13/2016

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FILE: 120_RWY_36_REL_Power&Control

DESIGN BY: BDB

DRAWN BY: BDB

CHECKED BY: TCS

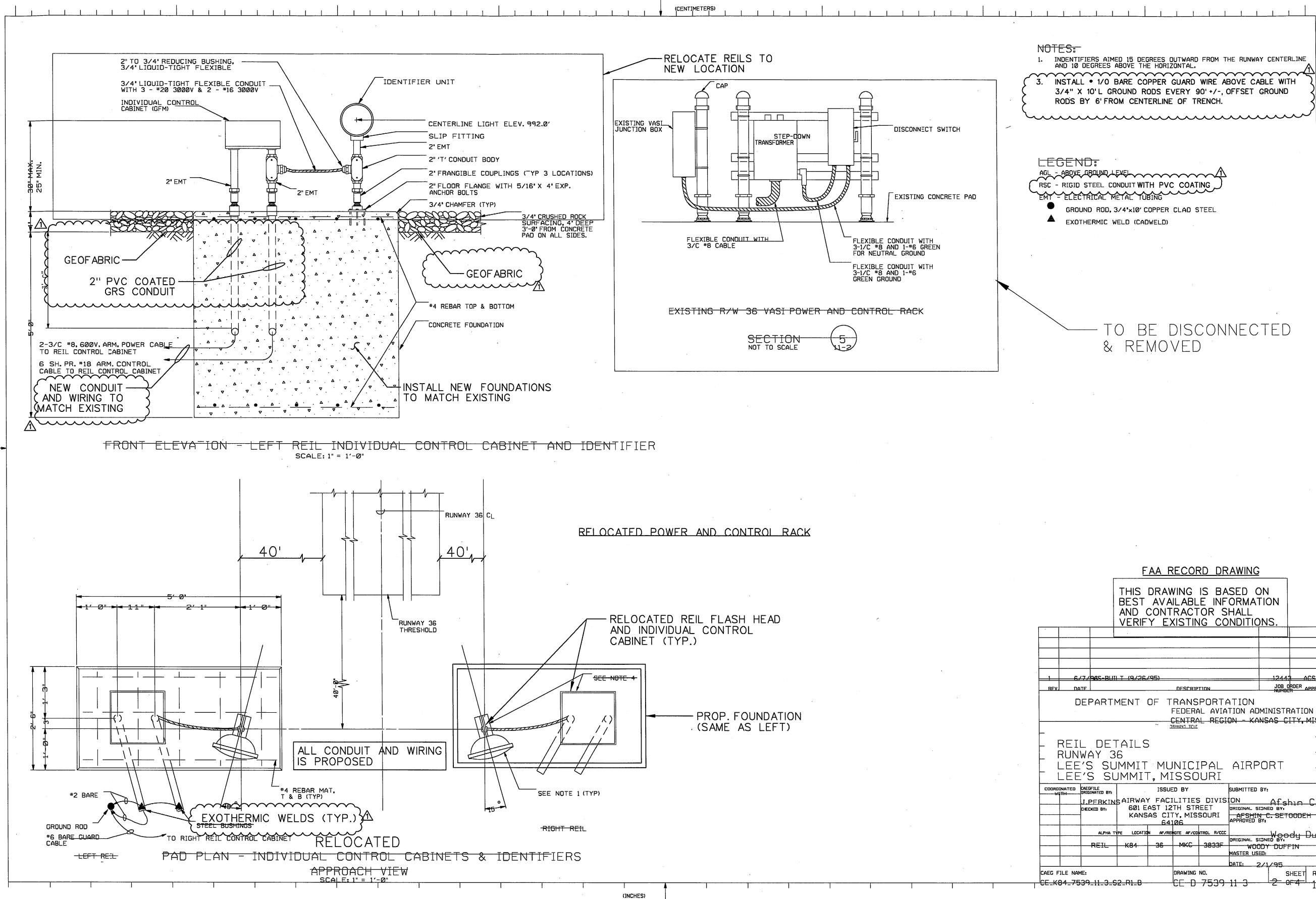
APPROVED BY: TCS

DATE: MAY 2, 2016

JOB No: 15443-01

RELOCATED RWY 36
REIL POWER &
CONTROL RACK

SHEET 120 OF 188 SHEETS



FAA RECORD DRAWING

THIS DRAWING IS BASED ON BEST AVAILABLE INFORMATION AND CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.

REV	DATE	DESCRIPTION	JOB ORDER NUMBER	APPROVED
1	6/7/2016	BUILT (9/26/95)	12443	ACS

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
CENTRAL REGION - KANSAS CITY, MISSOURI

REIL DETAILS
RUNWAY 36
LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

COORDINATED BY	ISSUED BY	SUBMITTED BY
J. PERKINS	AIRWAY FACILITIES DIVISION	AFSHIN C. SETODEN

601 EAST 12TH STREET
KANSAS CITY, MISSOURI 64106

ALPHA TYPE	LOCATION	AF/REMOTE	AF/CONTROL	R/CCC
REIL	K84	36	MKC	3833F

CAEG FILE NAME: CE-K84-7539-11-3-52-R1-0

DRAWING NO. CE-D 7539 11 3

DATE: 2/1/95

SHEET 2 OF 4

REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16

0 1 2
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22). PLOT 1

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

WIDEN, RECONSTRUCT AND EXTEND
RUNWAY 18-36

LEE'S SUMMIT PROJECT #169-321-72C
FEDERAL PROJECT #15-109A-3
STATE PROJECT #AIR 156-109A-3

STATE OF MISSOURI
TYE
REGISTERED PROFESSIONAL ENGINEER
NO. 000631

CMT
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102
(314) 436-5500

FILE: 121_RWY_36_REIL_FlashHeads.dgn

DESIGN BY: BOB

DRAWN BY: BOB

CHECKED BY: TCS

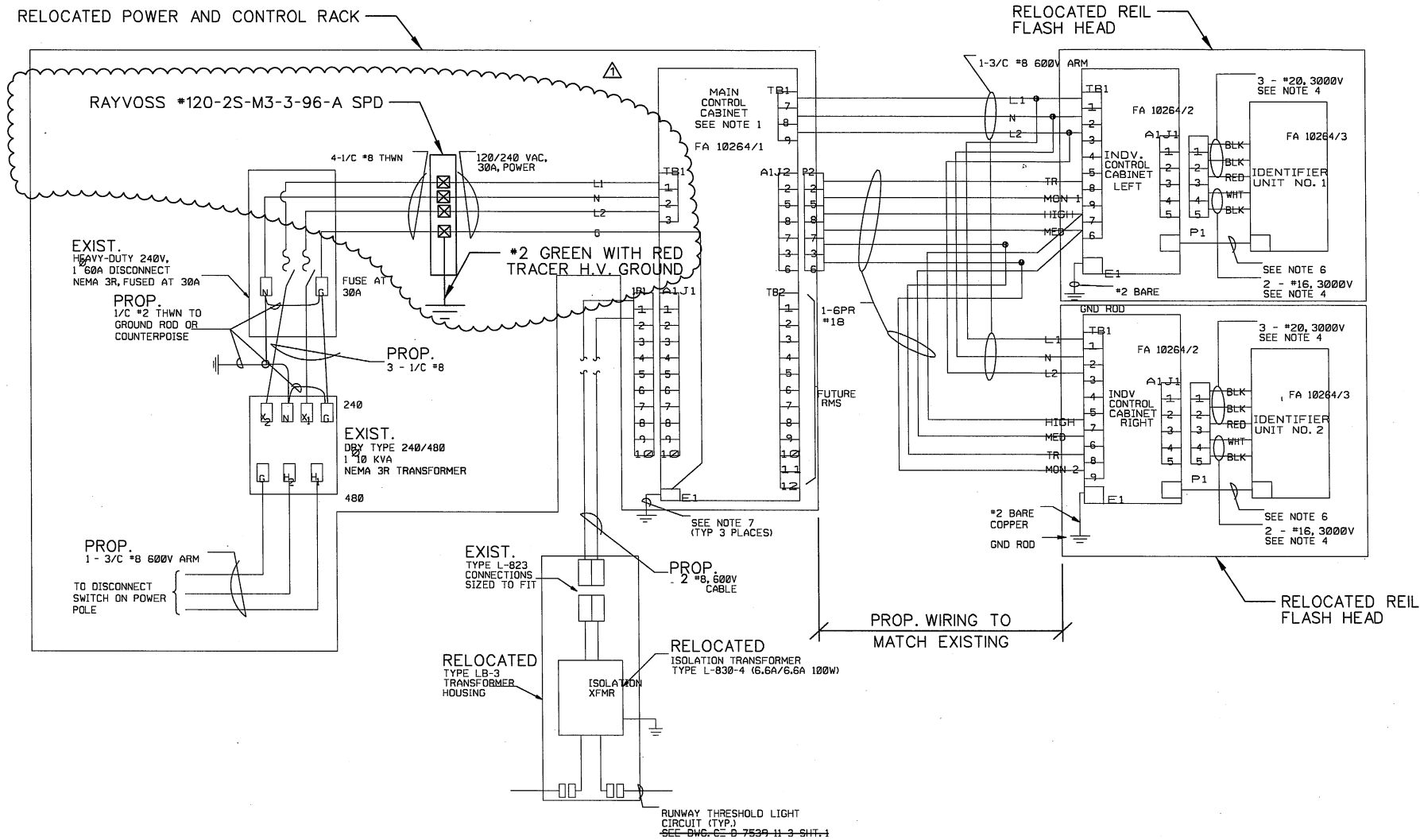
APPROVED BY: TCS

DATE: MAY 2, 2016

JOB No: 15443-01

RELOCATED RWY 36
REIL FLASH HEADS

SHEET 121 OF 188 SHEETS



REIL POWER AND CONTROL SCHEMATIC WIRING DIAGRAM
DME CORPORATION FA-10264
NOT TO SCALE

- NOTES:
1. ALJ1 AND ALJ2 ARE ON PRINTED WIRING BOARD A1. EXTERNAL WIRING FROM THE REMOTE CONTROL JUNCTION BOX TERMINATES IN PLUG P1 AND EXTERNAL WIRING TO THE INDIVIDUAL CONTROL CABINETS TERMINATE IN PLUG P2.
 2. NOT USED
 3. NOT USED
 4. SUPPLIED WITH THE EQUIPMENT.
 5. NOT USED
 6. GROUND FLASHER HEADS WITH #12 GREEN INSULATED COPPER WIRE THROUGH FLEXIBLE CONDUIT AND TO THE GROUND LUG INSIDE THE INDIVIDUAL CONTROL UNITS.
 7. CADWELD #2 BARE COPPER WIRE TO GROUND ROD AND TO BURIED END OF CONDUIT, THROUGH CONDUIT AND TO GROUNDING BUSHING AND TO GROUND LUGS. ALL ENTRANCE CONDUITS GROUNDED WITH #2 TO GROUNDING BUSHINGS.
 8. NOT USED
 9. ARMOR ON POWER CABLE GROUNDED ON BOTH ENDS.

NOTES:
GRSC GALVANIZED RIGID STEEL CONDUIT WITH PVC COATING

FAA RECORD DRAWING

THIS DRAWING IS BASED ON BEST AVAILABLE INFORMATION AND CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.

1	6/7/96	AS-BUILT (9/26/95)	12443	ACB
REV.	DATE	DESCRIPTION	JOB ORDER NUMBER	APPROVED
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION CENTRAL REGION - KANSAS CITY, MISSOURI				
REIL WIRING DIAGRAMS & DETAILS RUNWAY 36 LEE'S SUMMIT MUNICIPAL AIRPORT LEE'S SUMMIT, MISSOURI				
COORDINATED WITH	DESIGNED BY	ISSUED BY	SUBMITTED BY:	
SLF	SLF	AIRWAY FACILITIES DIVISION 601 EAST 12TH STREET KANSAS CITY, MISSOURI 64106	Alvin C. Selander	
CHECKED BY	APPROVED BY	ORIGINAL SIGNED BY	APPROVED BY:	
		Woody Buffin	Woody Buffin	
ALPHA TYPE	LOCATION	AV/REMOTE	AF/CONTROL	R/CDC
REIL	K84	36	MKC	3633F
MASTER USED				
DATE: 2/1/95				
CAEG FILE NAME: CE-K84-7539-11-4-S0-R1-B				
DRAWING NO. CE-D-7539-11-4				
SHEET 122 OF 188				

REVISIONS		
NUMBER	BY	DATE
1	WDP	5/20/16
0 1 2 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22). PLOT 1		
LEE'S SUMMIT MUNICIPAL AIRPORT LEE'S SUMMIT, MISSOURI		
WIDEN, RECONSTRUCT AND EXTEND RUNWAY 18-36		
LEE'S SUMMIT PROJECT #169-321-72C FEDERAL PROJECT #15-109A-3 STATE PROJECT #AIR 156-109A-3		
STATE OF MISSOURI TYL BANDER REGISTERED PROFESSIONAL ENGINEER 9/2/2016		
ONE MEMORIAL DRIVE, SUITE 500 ST. LOUIS, MO 63102 (314) 436-5500		
CMT © Copyright CMT, Inc. PROFESSIONAL ENGINEERING - 000631		
FILE: 122_RWY_36_REIL_Wiring_Schem		
DESIGN BY: BDB		
DRAWN BY: BDB		
CHECKED BY: TCS		
APPROVED BY: TCS		
DATE: MAY 2, 2016		
JOB No: 15443-01		
RELOCATED RWY 36 REIL WIRING SCHEMATIC		
SHEET 122 OF 188 SHEETS		