





	CONSULTANTS:	ARCHITECT/ENGINEERS:
		Department of Veterans Affairs Facilities Engineering Service 915 N. Grand Blvd. St. Louis, MO 63106
evisions:	Date	

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UNITED STATES DEPARTMENT OF VETERANS AFFAIRS

FCA - CORRECT ANNUAL WORKPLACE FINDINGS OVER ONE YEAR OLD PROJECT NO. 657-17-110 DEPARTMENT OF VETERANS AFFAIRS ST. LOUIS, MO

LIST OF DRAWINGS

1-GI-001 - COVER SHEET
1-GS-100 - JB SITE PLAN
1-GS-101 - JB ROOF PLANS
1-GS-102 - JB ROOF PLANS
1-GS-103 - JB ROOF PLANS
1-GS-104 - JB ROOF PLANS

1-GS-105 - JB ROOF PLANS 1-GS-106 - JB ROOF PLANS 1-GS-107 - JC SITE PLAN 1-GS-108 - JC ROOF PLANS 1-GS-109 - JC ROOF PLANS

INVESTIGATION NOTES:

SPECIFIC CONDITION.

- 1.ACCESS TO ROOFS HAS BEEN CHECKED. ROOFS REACHED BY PORTABLE LADDER WILL BE EVALUATED FOR PERMANENT ACCESSES.
- 2. BASED ON THE OBJECTIVE OF THIS STUDY AND THE SCOPE OF THE PROJECT, ALL MAJOR MECHANICAL EQUIPMENT, SECURITY CAMERAS, ANTENNAS, SATELLITE DISHES, AND LIGHT FIXTURES PARTICULARLY THOSE LOCATED WITHIN 6'-0" FROM THE ROOF EDGE HAVE BEEN SURVEYED, IDENTIFIED, AND LOCATED.
- 3. ROOF EDGE CONDITION WITH OR WITHOUT CURB AND PARAPET WALL HAVE BEEN IDENTIFIED FOR SAFETY EVALUATION. 4. EXISTING LADDERS HAVE BEEN CHECKED. ADDITIONAL SAFETY MEASURE MAY BE REQUIRED FOR

PROPOSED SAFETY CONSIDERATIONS:

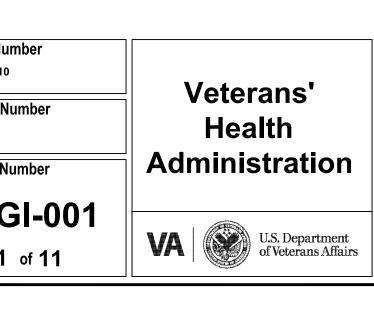
- 1. THE PURPOSE OF THIS STUDY IS TO CONDUCT AN ASSESSMENT OF ALL ROOF AREAS AT JB AND JC
- DIVISIONS TO DETERMINE ANY ADDITIONAL SAFETY FEATURES THAT NEED TO BE INCORPORATED. 2. THE SAFETY DEFICIENCY IS EVALUATED BASED ON CURRENT INTERNATIONAL BUILDING CODE 2003 AND OSHA **REGULATIONS**.
- 3. INSTALL NEW LADDERS WITH LOCKED CONTROL TO ROOFS WHERE THERE ARE NO PERMANENT ACCESSES. ADD SAFETY CAGES TO LADDERS WHEREVER THEY ARE MORE THAN 12' TALL.
- 4. ADD SAFETY CAGES TO EXISTING LADDERS WHEREVER THEY ARE MORE THAN 12' TALL.
- 5. INSTALL GUARDRAIL TO THE EQUIPMENT REQUIRING PERIODIC MAINTENANCE LOCATED WITHIN 6' FROM THE UNPROTECTED ROOF EDGE.
- 6. INSTALL EYE-BOLT ANCHORAGE AS ATTACHMENT POINT FOR BODY-BELT/ HARNESS SYSTEM FOR MAINTENANCE OF ANTENNAS, SATELLITE DISHES, AND LIGHT FIXTURES. 7. INSTALL GUARDRAIL SYSTEMS AROUND EXISTING ROOF HATCHES.
- 8. INSTALL WARNING LINE SYSTEM AROUND PERIMETER OF ROOF WHEREVER PARAPET WALL IS LESS THAN 3'-3"

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	Drawing Title	Drawing Title		Project Title FCA - CORRECT ANNUAL			Project Numl 657-17-110
	COVER SHEET						
		WORKPLACE FINDINGS OVER ONE YEAR OLD			Building Nun		
	Approved: Project Dire	ector		Location			Drawing Nun
				VA MEDICAL CENTER	ST. LOUIS, MO JOHN CO	OCHRAN DIVISION	
				Date	Checked	Drawn	≓ 1-G
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Bldg. SCH	IEDULE
NO. 1	MAIN HOSPITAL BUILDING
2	EES
3	DOMICILIARY
4	VACANT
5	PUMPING STATION AND PLUMBING SHOP
6 7 8	WAREHOUSE SUPPLY WAREHOUSE, ENGR. SHOPS AND PAINT SHOP
17	MAIN WAREHOUSE Demoed
18	ADMINISTRATIVE
23	ENGR.SHOPS & PROSTHETICS
24	CANTEEN,LIBRARY, AND AUDITORIUM
25	NATIONAL V.C.S., DISTRICT COUNSEL
32	FLAG POLE & PATH OF HONOR
35	STORAGE
44	CONCRETE PLATFORM
45	CONCRETE PLATFORM
48	MEDICAL MEDIA DEVELOPMENT
49	DEMOED
50	DEMOED
51	MENTAL HEALTH
52	SPINAL CORD INJURY AND DOMICILIARY
53	N.H.C.U., A.S.P., AND REHABILITATION
58	MENTAL HEALTH CLINIC, OIF/OEF
59	FISHER HOUSE
60	MAIN KITCHEN
61	SPECIAL SERVICES, THEATRE, C.C.T.V. STUDIO & OFFICES
63	THERAPEUTIC EXERCISE, GYM
64	DEMOED
65	C.E.O.S.H.
70	DEMOED
70A	DEMOED
71	DEMOED DEMOED SHELTER BUS STOP
79 80 81	SHELTER BUS STOP SHELTER BUS STOP
82 83	DEMOED
84 85	EMERGENCY GENERATOR BLDG.1 EMERGENCY GENERATOR BLDG.52 EMERGENCY GENERATOR BLDG.50
86	EMERGENCY GENERATOR BLDG.51
87	EMERGENCY GENERATOR BLDG.53
90	EMERGENCY GENERATOR BLDG.60
91	EMERGENCY GENERATOR BLDG.52
03T	SOCIAL SERVICES
04T	PATIENT RECORDS
51T	MENTAL HEALTH
53T	HOME HEALTHCARE
60T 100T	NUTRITION & FOOD
101T	FACILITIES ENGINEERING RESIDENT ENGINEER, MAJOR PROJECT
102T	EDUCATION / CANTEEN
103T	MIXED USE
104T	ENGINEERING / RECORDS CONTROL

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LEGEND:

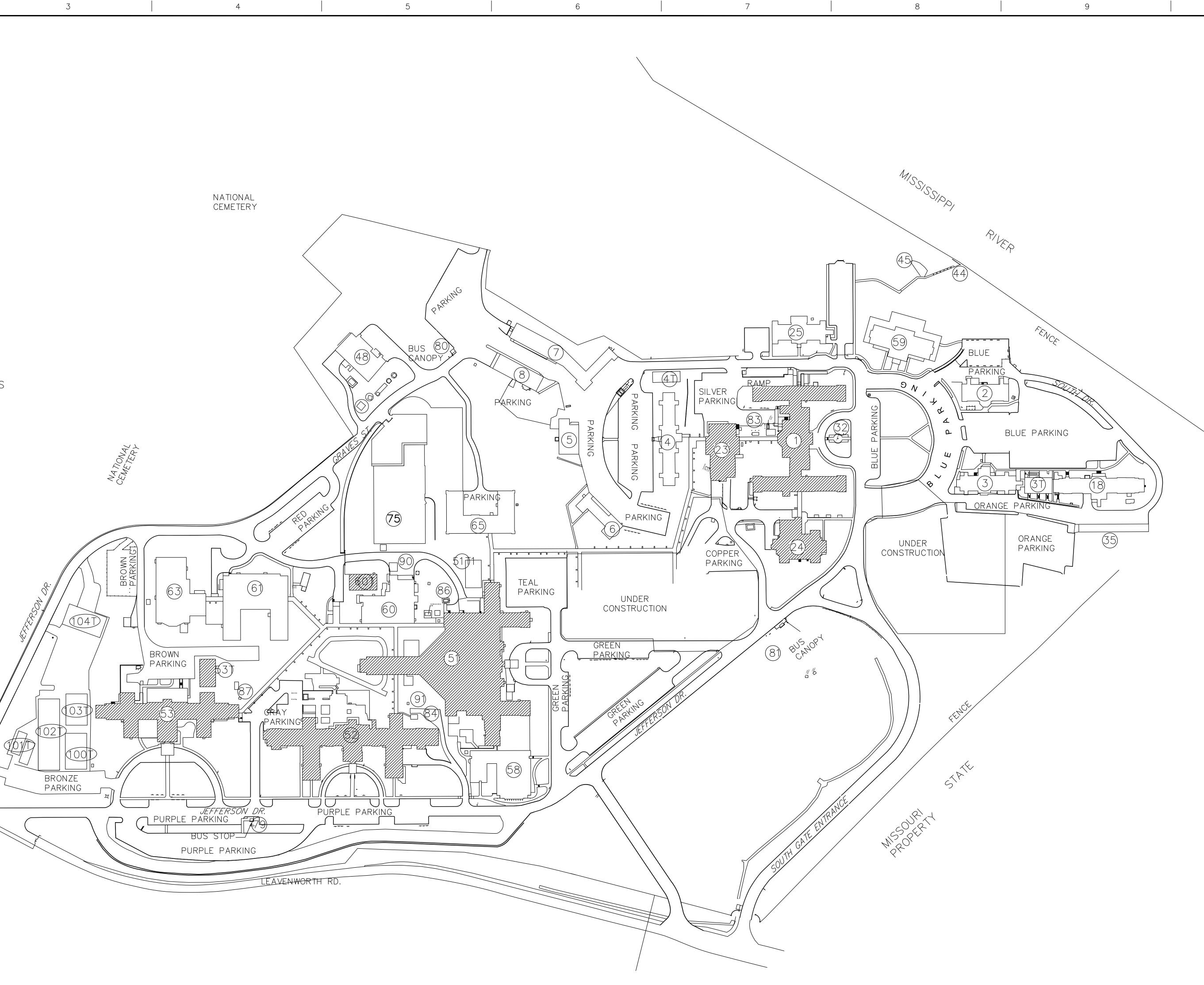
FLAT - ROOF BUILDING CONSISTS OF ANTENNAS, CAMERAS AND OTHER ROOF TOP EQUIPMENT REQUIRING PERIODIC MAINTENANCE

	CONSULT	ANTS:
Revisions:	Date	

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JB SITE PLAN <6 SCALE: 1" = 100'-0"

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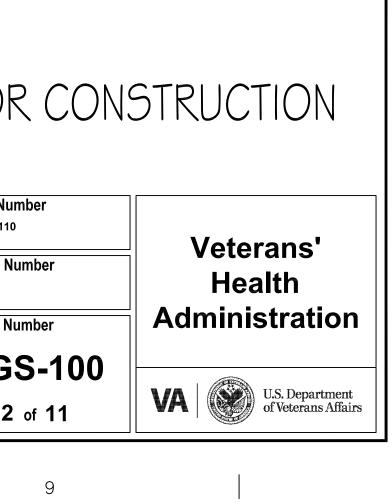
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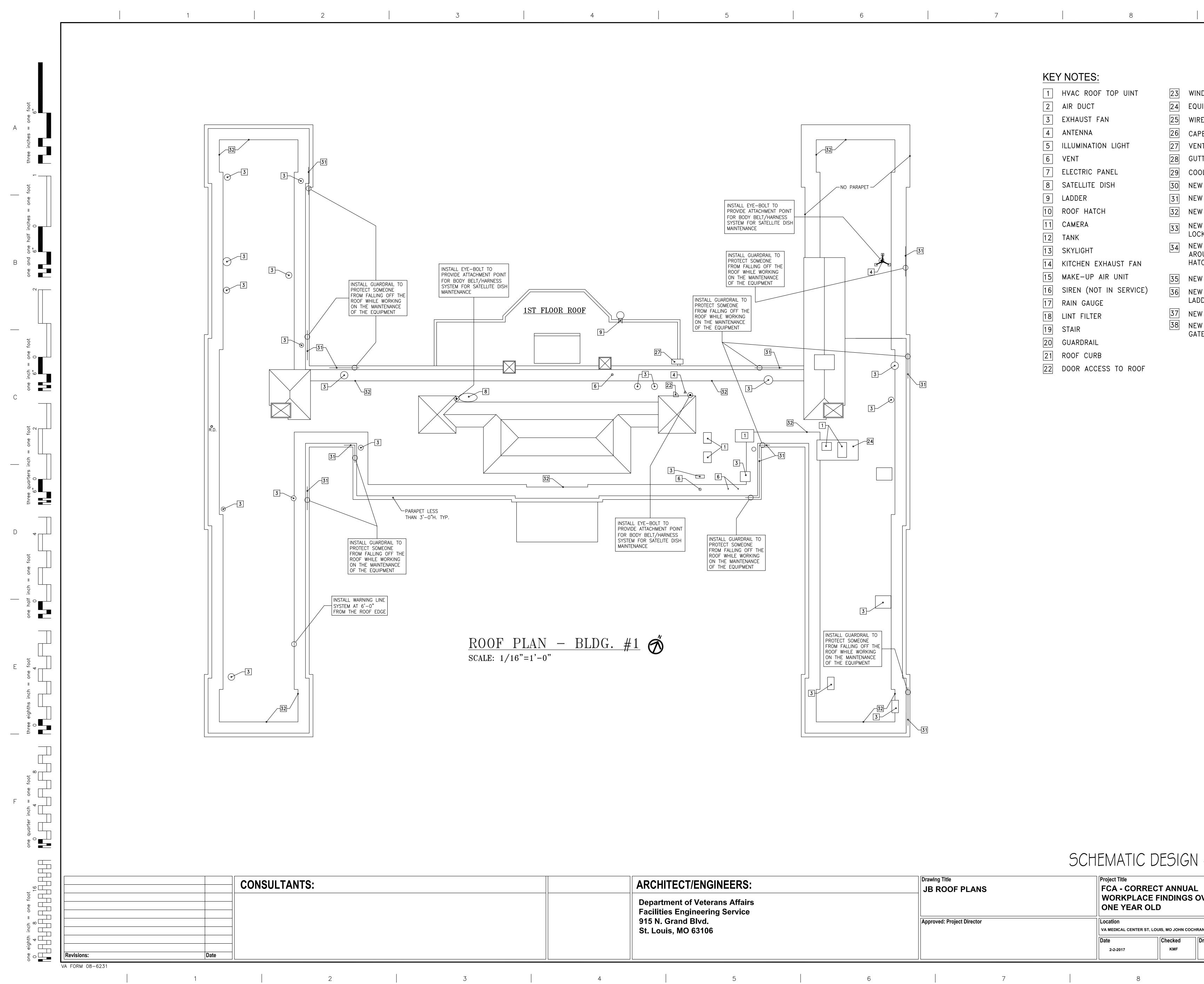
Department of Veterans Affairs Facilities Engineering Service 915 N. Grand Blvd. St. Louis, MO 63106

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	Drawing Title JB SITE PLAN Approved: Project Director		Project Title FCA - CORRECT ANNUAL WORKPLACE FINDINGS OVER ONE YEAR OLD			Project Num 657-17-110 Building Nui	
				Location VA MEDICAL CENTER ST. LOUIS, MO JOHN COCHRAN DIVISION			Drawing Nur
				Date 2-2-2017	Checked кмғ	Drawn кмғ	1-G Sheet 2
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	ARCHITECT/ENGINEERS:
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1	HVAC ROOF TOP UINT	23	WINDOW ACCESS T
2	AIR DUCT	24	EQUIPMENT DECK
3	EXHAUST FAN	25	WIRE/CABLE TRAY
4	ANTENNA	26	CAPED EQUIP./PIPE
5	ILLUMINATION LIGHT	27	VENTILATOR
6	VENT	28	GUTTER
7	ELECTRIC PANEL	29	COOLING TOWER
8	SATELLITE DISH	30	NEW LADDER
9	LADDER	31	NEW GUARDRAIL
10	ROOF HATCH	32	NEW WARNING LINE
11	CAMERA	33	NEW LADDER W/.
12	TANK		LOCKED GATE
13	SKYLIGHT	34	NEW GUARDRAIL SY AROUND EXISTING
14	KITCHEN EXHAUST FAN		НАТСН
15	MAKE-UP AIR UNIT	35	NEW EYE-BOLT AN
16	SIREN (NOT IN SERVICE)	36	NEW CAGE FOR EX
17	RAIN GAUGE		LADDER
18	LINT FILTER	37	NEW LADDER W/.
19	STAIR	38	NEW LADDER W/. GATE
20	GUARDRAIL		

SCHEMATIC DESIGN - NOT FOR CONSTRUCTION

	Drawing Title JB ROOF PLANS			Project Title FCA - CORRECT ANNUAL WORKPLACE FINDINGS OVER ONE YEAR OLD Location VA MEDICAL CENTER ST. LOUIS, MO JOHN COCHRAN DIVISION			Project Numb 657-17-110 Building Num 1 Drawing Num 1-GS
	Approved: Project Director	Approved: Project Director					
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ımber Veterans' umber Health Administration lumber GS-101 VA 6 of **11**

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CAGE LOCKED

ANCHORAGE EXISTING

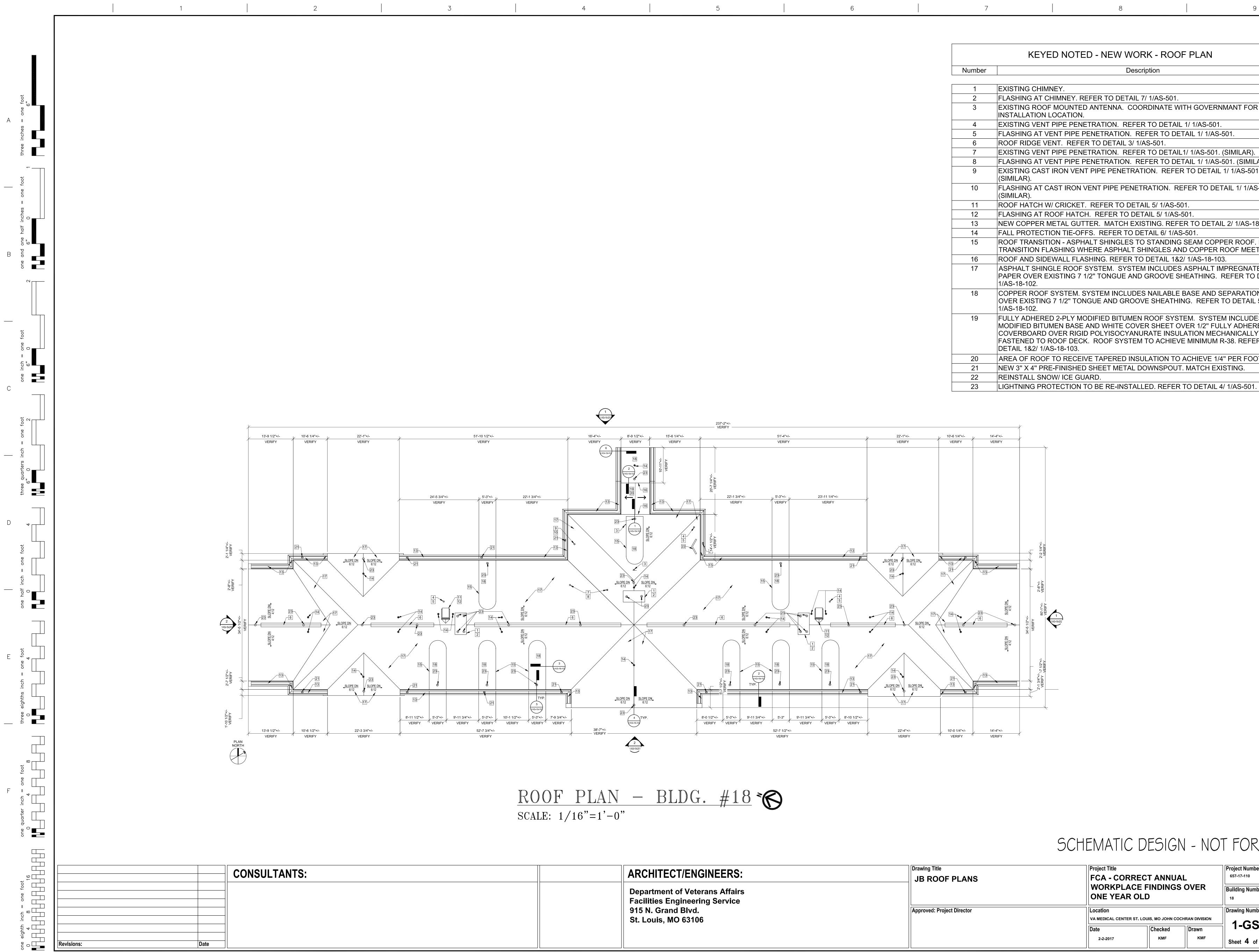
SYSTEM ROOF

NE SYSTEM CAGE &

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TO ROOF

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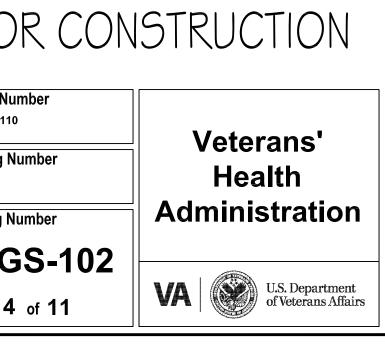
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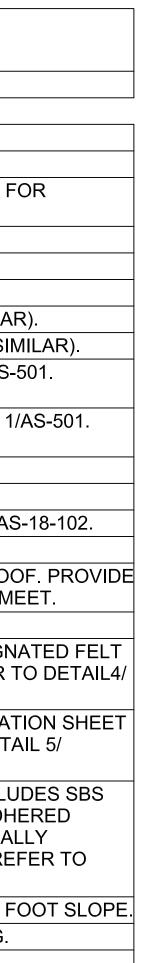
ARCHITECT/ENGINEERS: Department of Veterans Affairs
Facilities Engineering Service 915 N. Grand Blvd. St. Louis, MO 63106

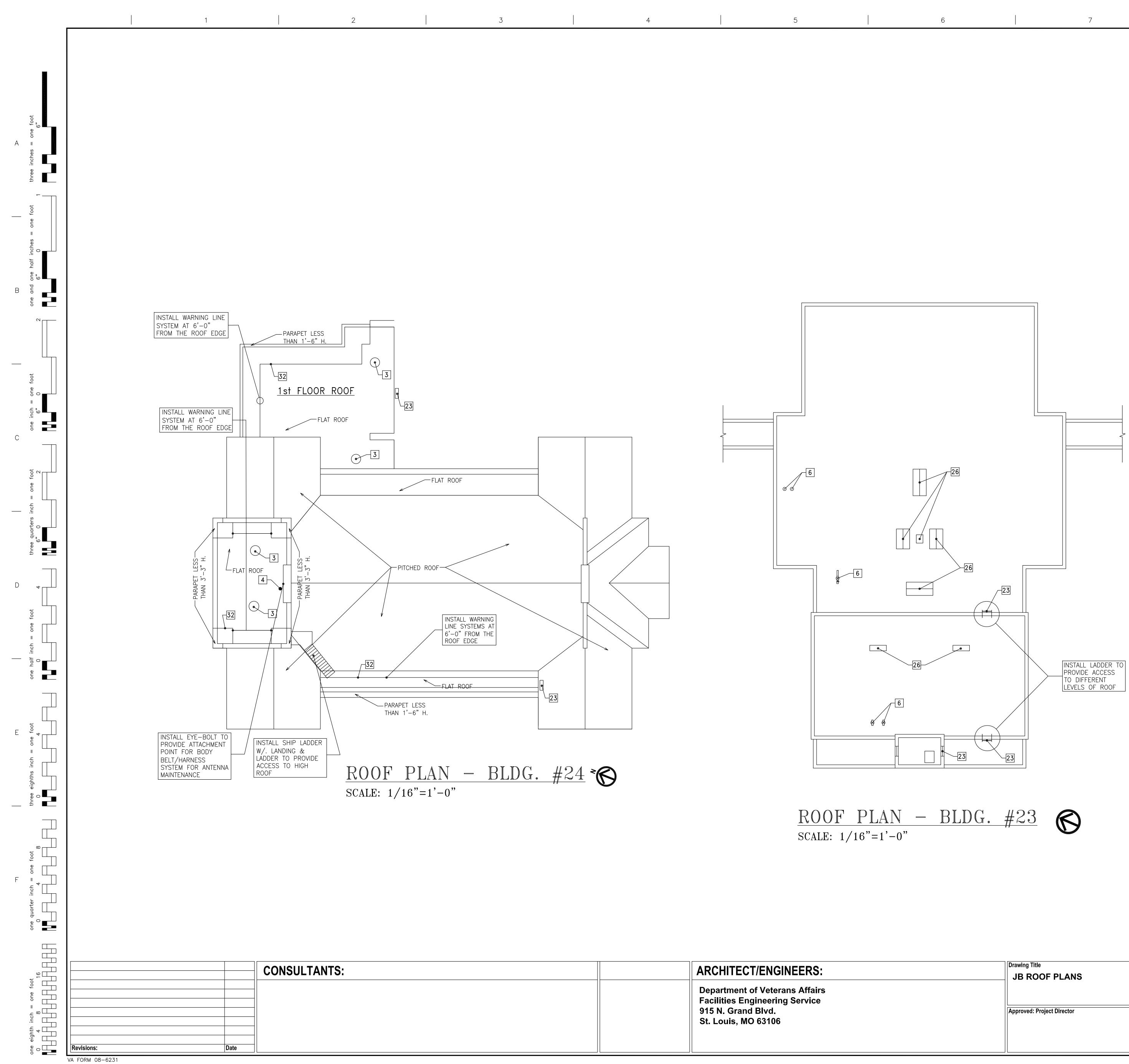
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Number	Description
1	EXISTING CHIMNEY.
2	FLASHING AT CHIMNEY. REFER TO DETAIL 7/ 1/AS-501.
3	EXISTING ROOF MOUNTED ANTENNA. COORDINATE WITH GOVERNMANT FOR INSTALLATION LOCATION.
4	EXISTING VENT PIPE PENETRATION. REFER TO DETAIL 1/ 1/AS-501.
5	FLASHING AT VENT PIPE PENETRATION. REFER TO DETAIL 1/ 1/AS-501.
6	ROOF RIDGE VENT. REFER TO DETAIL 3/ 1/AS-501.
7	EXISTING VENT PIPE PENETRATION. REFER TO DETAIL1/ 1/AS-501. (SIMILAR).
8	FLASHING AT VENT PIPE PENETRATION. REFER TO DETAIL 1/ 1/AS-501. (SIMIL
9	EXISTING CAST IRON VENT PIPE PENETRATION. REFER TO DETAIL 1/ 1/AS-50 (SIMILAR).
10	FLASHING AT CAST IRON VENT PIPE PENETRATION. REFER TO DETAIL 1/ 1/AS (SIMILAR).
11	ROOF HATCH W/ CRICKET. REFER TO DETAIL 5/ 1/AS-501.
12	FLASHING AT ROOF HATCH. REFER TO DETAIL 5/ 1/AS-501.
13	NEW COPPER METAL GUTTER. MATCH EXISTING. REFER TO DETAIL 2/ 1/AS-1
14	FALL PROTECTION TIE-OFFS. REFER TO DETAIL 6/ 1/AS-501.
15	ROOF TRANSITION - ASPHALT SHINGLES TO STANDING SEAM COPPER ROOF TRANSITION FLASHING WHERE ASPHALT SHINGLES AND COPPER ROOF MEE
16	ROOF AND SIDEWALL FLASHING. REFER TO DETAIL 1&2/ 1/AS-18-103.
17	ASPHALT SHINGLE ROOF SYSTEM. SYSTEM INCLUDES ASPHALT IMPREGNAT PAPER OVER EXISTING 7 1/2" TONGUE AND GROOVE SHEATHING. REFER TO 1/AS-18-102.
18	COPPER ROOF SYSTEM. SYSTEM INCLUDES NAILABLE BASE AND SEPARATIC OVER EXISTING 7 1/2" TONGUE AND GROOVE SHEATHING. REFER TO DETAIL 1/AS-18-102.
19	FULLY ADHERED 2-PLY MODIFIED BITUMEN ROOF SYSTEM. SYSTEM INCLUD MODIFIED BITUMEN BASE AND WHITE COVER SHEET OVER 1/2" FULLY ADHEF COVERBOARD OVER RIGID POLYISOCYANURATE INSULATION MECHANICALL FASTENED TO ROOF DECK. ROOF SYSTEM TO ACHIEVE MINIMUM R-38. REFE DETAIL 1&2/ 1/AS-18-103.
20	AREA OF ROOF TO RECEIVE TAPERED INSULATION TO ACHIEVE 1/4" PER FOO
21	NEW 3" X 4" PRE-FINISHED SHEET METAL DOWNSPOUT. MATCH EXISTING.
22	REINSTALL SNOW/ ICE GUARD.
23	LIGHTNING PROTECTION TO BE RE-INSTALLED. REFER TO DETAIL 4/ 1/AS-501

	Drawing Title JB ROOF PLANS	Project Title FCA - CORRECT ANNUAL WORKPLACE FINDINGS OVER ONE YEAR OLD				Project Num 657-17-110 Building Nu 18		
	Approved: Project Director	Approved: Project Director			Location VA MEDICAL CENTER ST. LOUIS, MO JOHN COCHRAN DIV		Drawing Nu	
				Date 2-2-2017	Checked кмғ	Drawn кмғ	Sheet 4	
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			Drawing Title JB ROOF PLANS			FCA - CORRECT ANNUAL				
Department of Veterans Affairs Facilities Engineering Service						WORKPLACE FINDINGS OVER ONE YEAR OLD			Building Num 23 & 24	
		915 N. Grand Blvd. St. Louis, MO 63106			Approved: Project D	Director	Location VA MEDICAL CEN	TER ST. LOUIS, MO JOHN	COCHRAN DIVISION	Drawing Num
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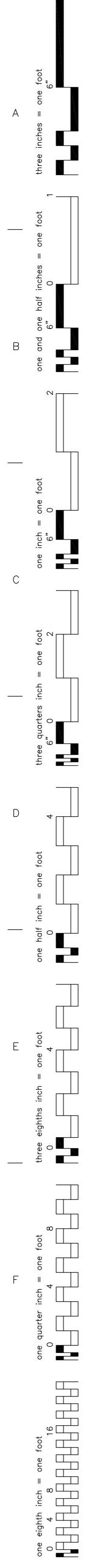
KEY NOTES:

1	HVAC ROOF TOP UINT	23	WINDOW ACCESS TO ROOF
2	AIR DUCT	24	EQUIPMENT DECK
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14	KITCHEN EXHAUST FAN		НАТСН
15	MAKE-UP AIR UNIT	35	NEW EYE-BOLT ANCHORAGE
16	SIREN (NOT IN SERVICE)	36	NEW CAGE FOR EXISTING
17	RAIN GAUGE		LADDER
18	LINT FILTER	37	NEW LADDER W/. CAGE
19	STAIR	38	NEW LADDER W/. LOCKED GATE
20	GUARDRAIL		VAIL
21	ROOF CURB		

22 DOOR ACCESS TO ROOF

SCHEMATIC DESIGN - NOT FO

UIPMENT DECK	
RE/CABLE TRAY	
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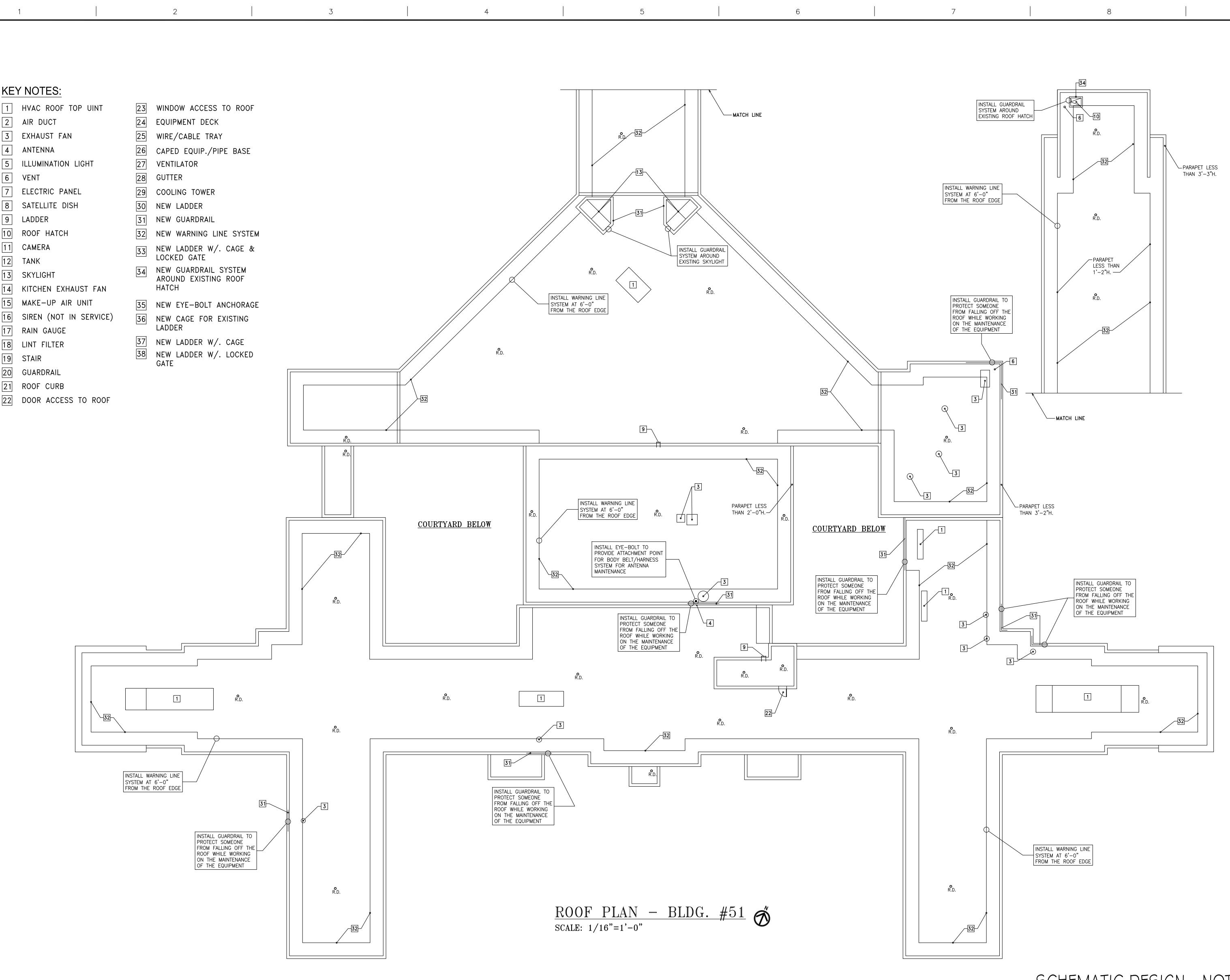
KEY NOTES:

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- 1 HVAC ROOF TOP UINT
- 2 AIR DUCT
- 3 EXHAUST FAN
- 4 ANTENNA
- 5 ILLUMINATION LIGHT
- 6 VENT
- 7 ELECTRIC PANEL
- 8 SATELLITE DISH
- 9 LADDER
- 10 ROOF HATCH
- 11 CAMERA
- 12 TANK
- 13 SKYLIGHT
- 14 KITCHEN EXHAUST FAN
- 15 MAKE-UP AIR UNIT

- 17 RAIN GAUGE
- 18 LINT FILTER
- 19 STAIR
- 20 GUARDRAIL
- 21 ROOF CURB
- 22 DOOR ACCESS TO ROOF

- AROUND EXISTING ROOF HATCH



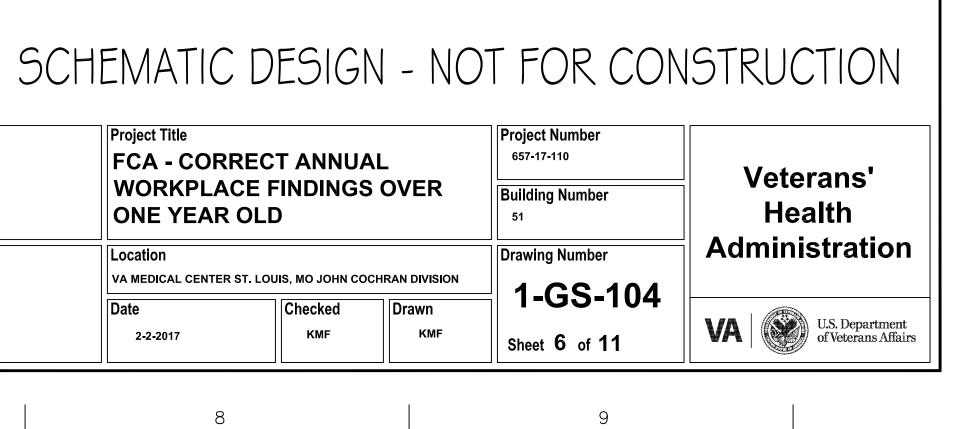
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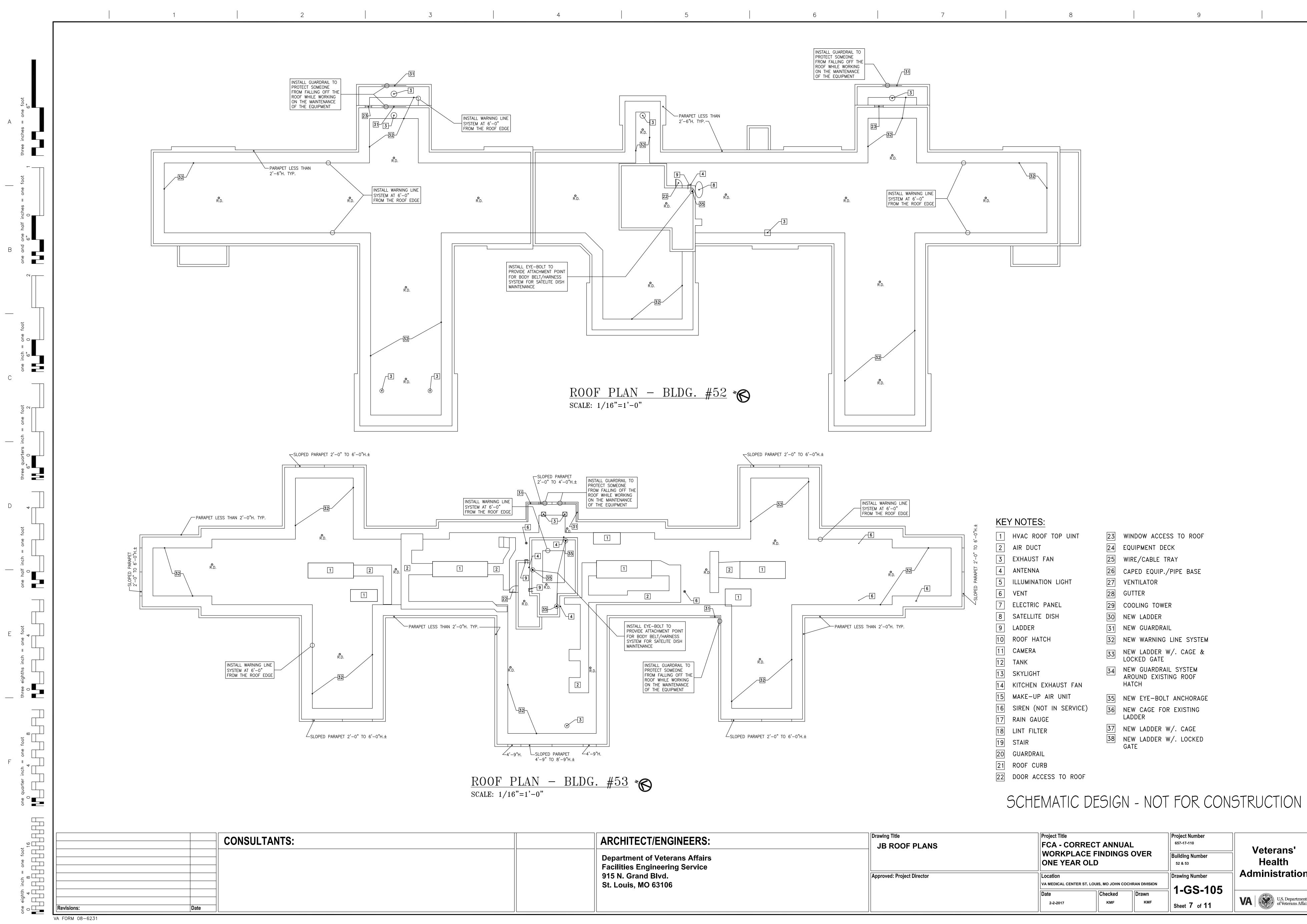
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ARCHITECT/ENGINEERS:
Department of Veterans Affairs Facilities Engineering Service 915 N. Grand Blvd. St. Louis, MO 63106



Drawing Title Project Title Project Number FCA - CORRECT ANNUAL 657-17-110 **JB ROOF PLANS** WORKPLACE FINDINGS OVER ONE YEAR OLD 51 Approved: Project Director Location VA MEDICAL CENTER ST. LOUIS, MO JOHN COCHRAN DIVISION Drawn Checked Date KMF KMF 2-2-2017 6 7 8



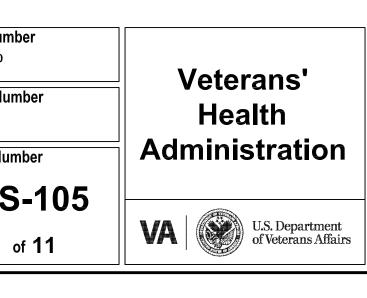


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	Department of Veterans Affairs Facilities Engineering Service 915 N. Grand Blvd. St. Louis, MO 63106	
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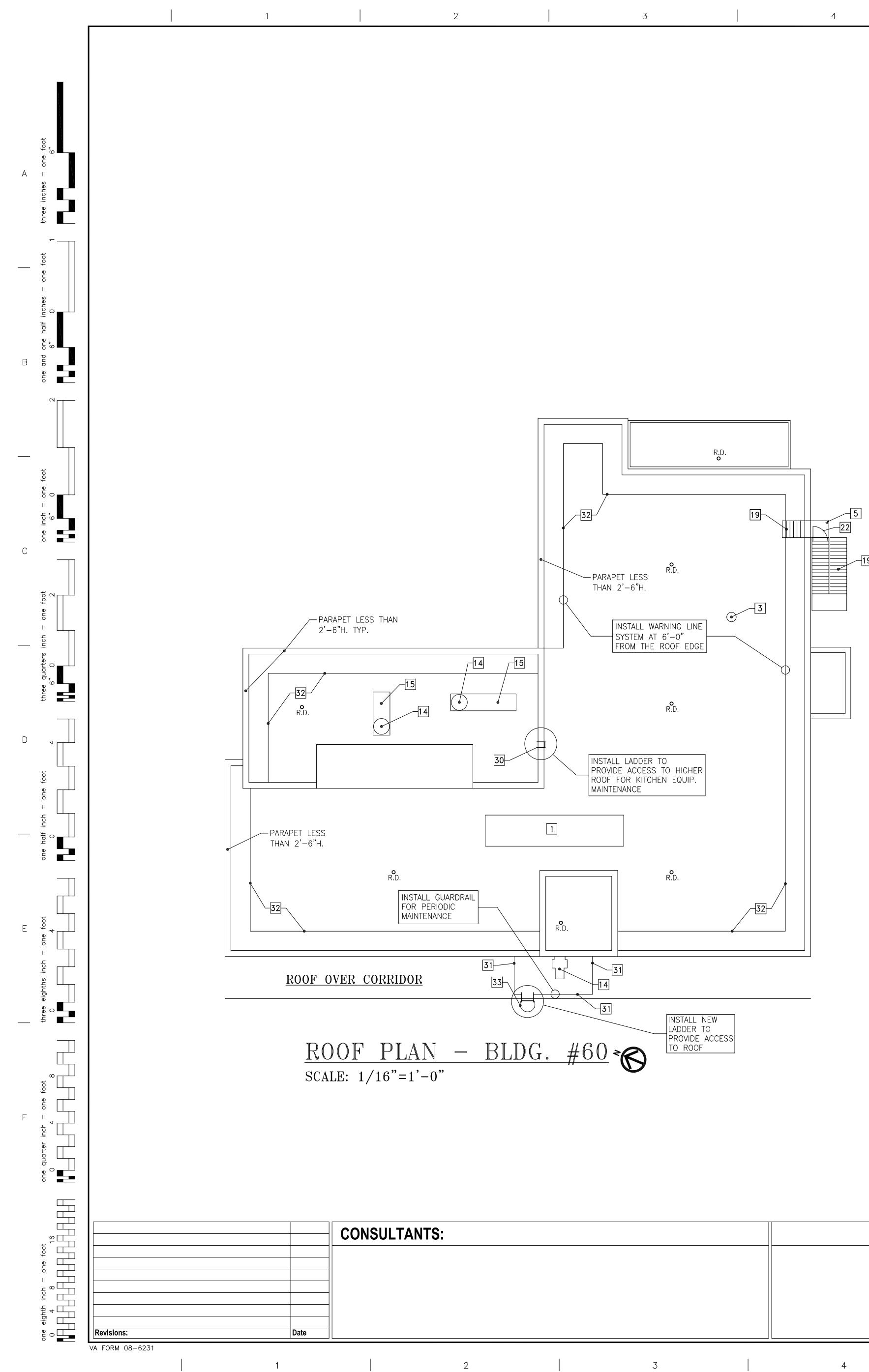
HATCH

LADDER



35 NEW EYE-BOLT ANCHORAGE

32 NEW WARNING LINE SYSTEM



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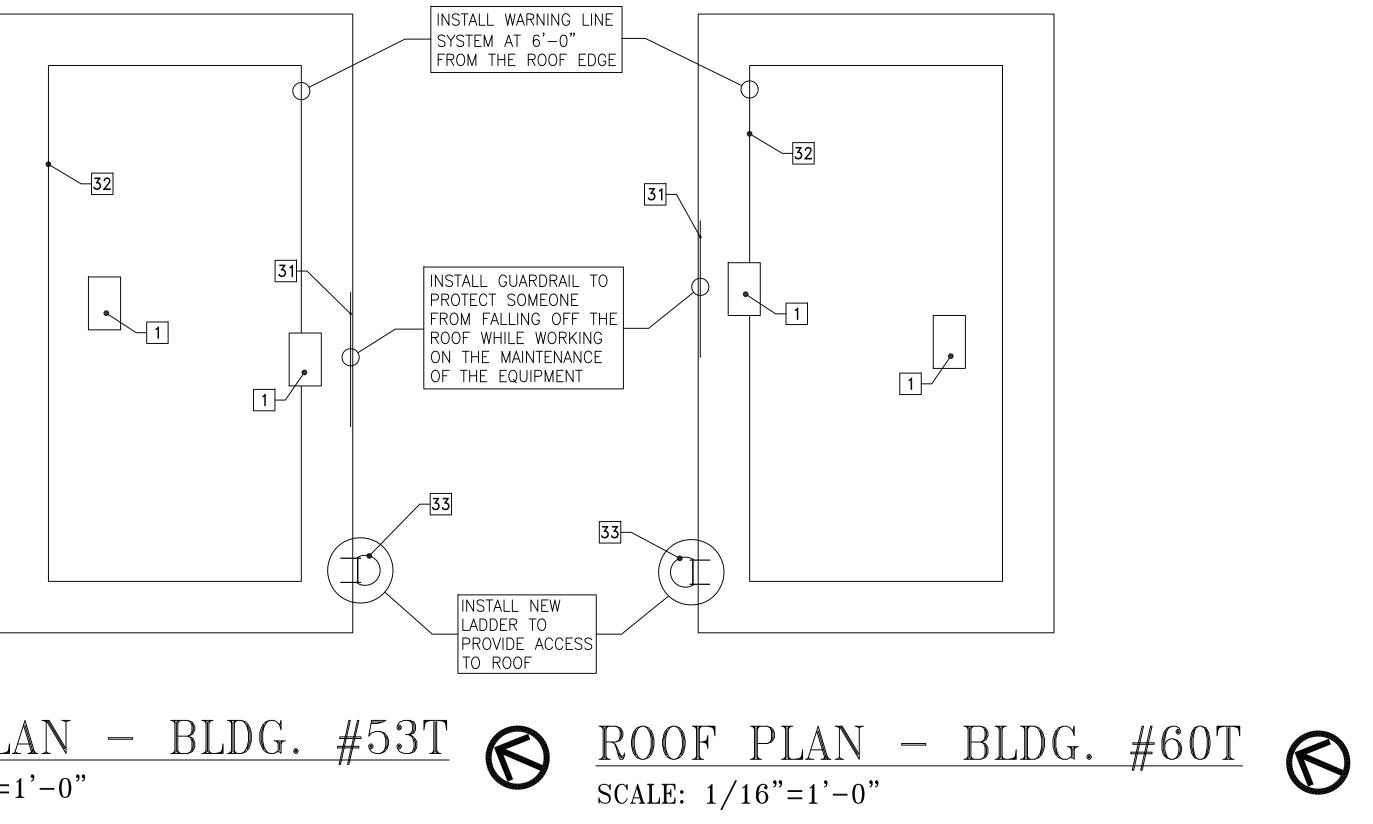
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	Department of Veterans Affairs Facilities Engineering Service						WORKPLACE FINDINGS OVER ONE YEAR OLD			Building Numl 53T, 60, & 60T	
	915 N	. Grand Blvd. ouis, MO 63106			Approved: Project Di	rector	Location VA MEDICAL CENTER S	ST. LOUIS, MO JOHN CO	OCHRAN DIVISION	Drawing Numb	
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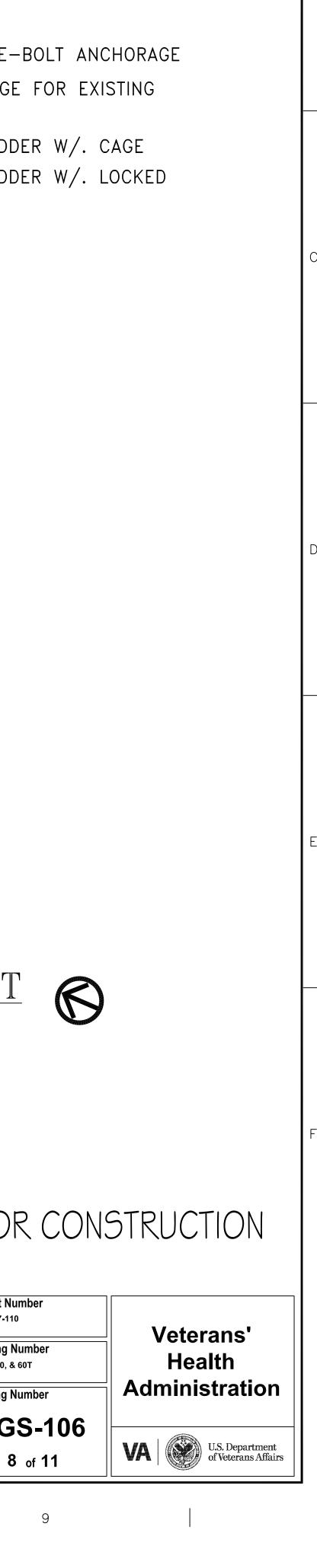
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KEY NOTES:

1	HVAC ROOF TOP UINT	23	WINDOW ACCESS
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21	ROOF CURB		

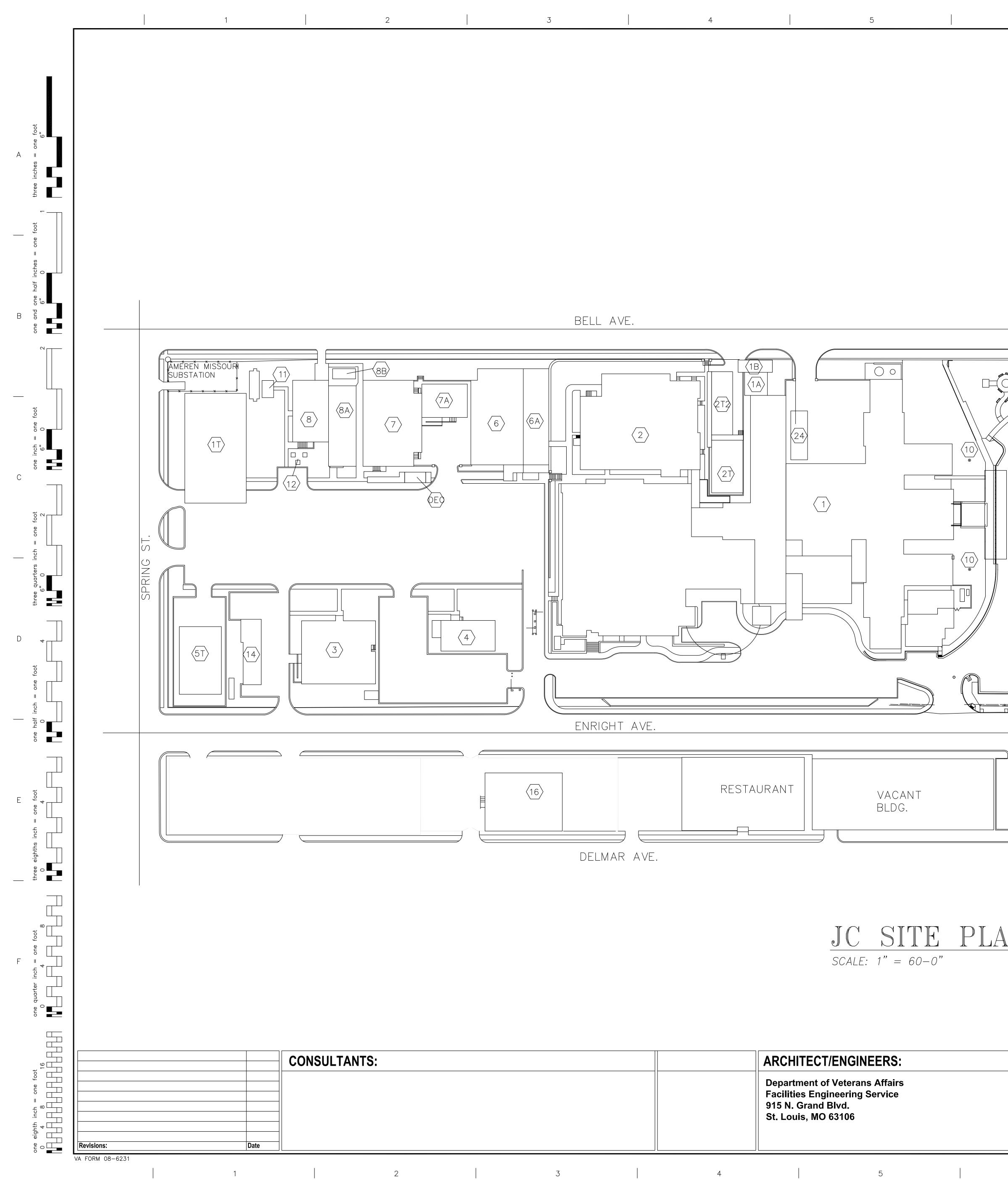
22 DOOR ACCESS TO ROOF





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RNING LINE SYSTEM
DDER W/. CAGE &
GATE
ARDRAIL SYSTEM
EXISTING ROOF
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ACCESS TO ROOF
INT DECK
ABLE TRAY
EQUIP./PIPE BASE
TOR
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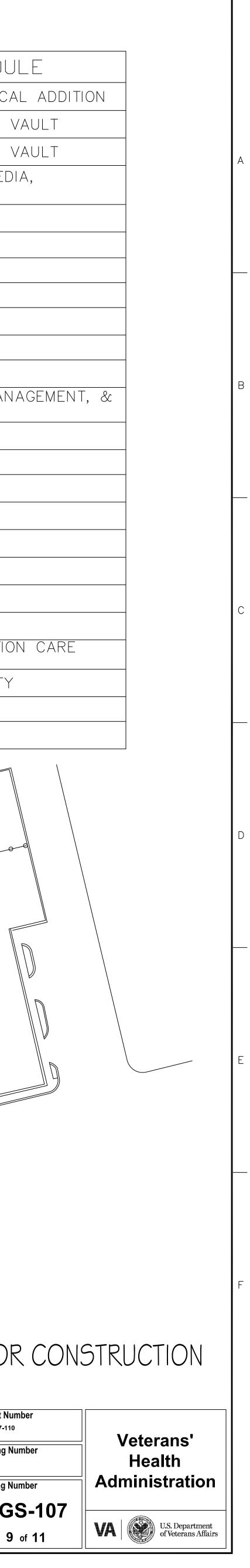
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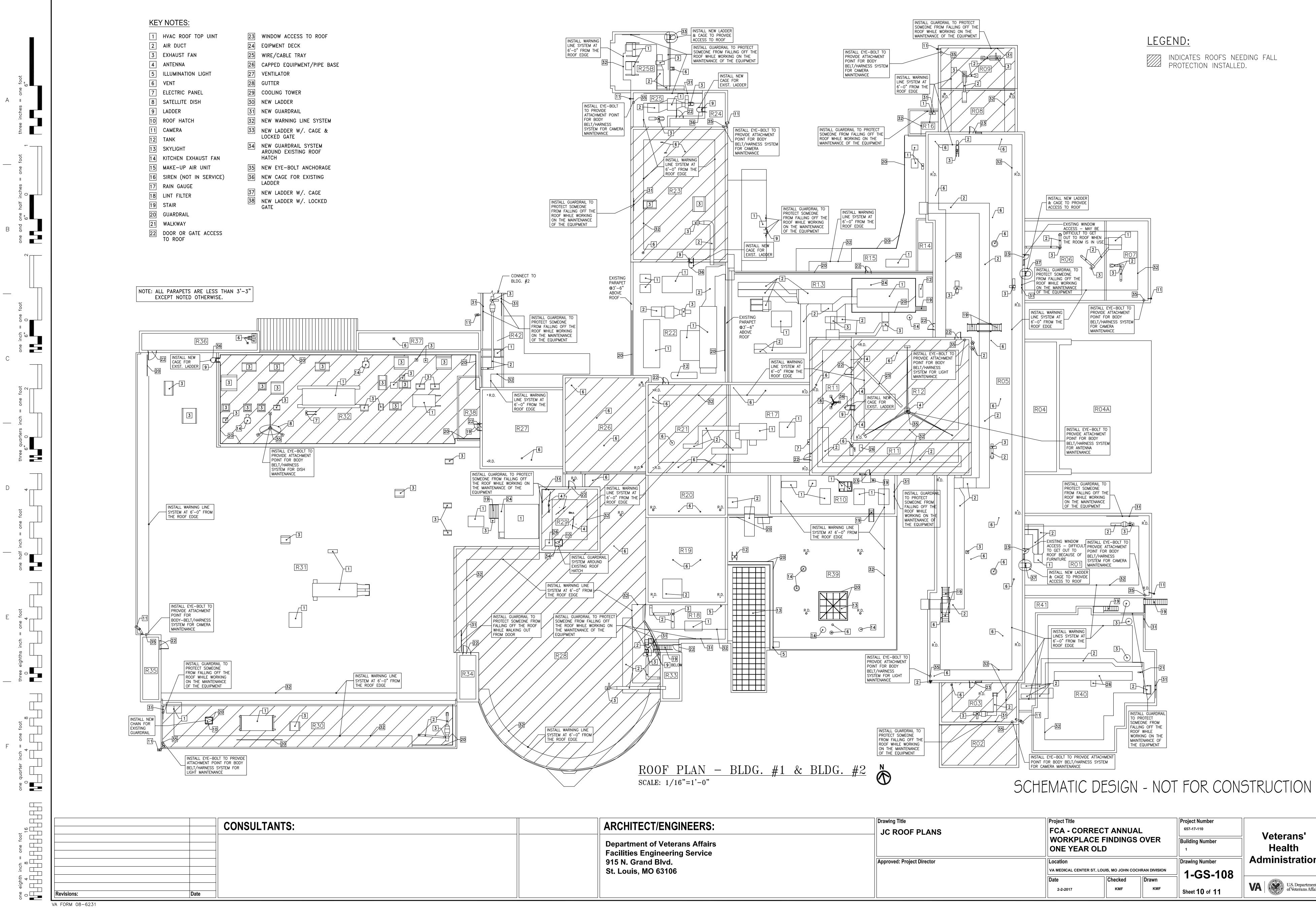
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		Department of Veteran Facilities Engineering				WORKPLAC		S OVER	Building Numb
		915 N. Grand Blvd. St. Louis, MO 63106		Approved: Project Director		Location VA MEDICAL CENTER ST. LOUIS, MO JOHN COCHRAN DIVISION			Drawing Numb
						Date	Checked	Drawn	╡ 1 - GS
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		5T 6 6A	OEF/OIF RESEARCH RESEARCH
		7 7A 8	SAFETY, EMERGENCY MAN Call Center Research Boiler plant
		8A 8B 10	CHILLER PLANT EMERGENCY GENERATOR FLAG POLE
		11 12 14	GAS METER HOUSE WET SALT STORAGE GARAGE
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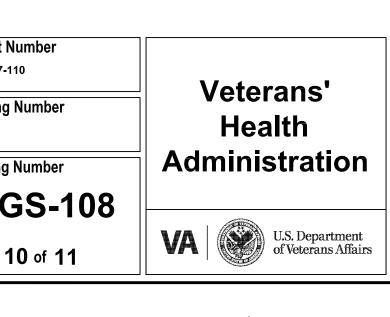
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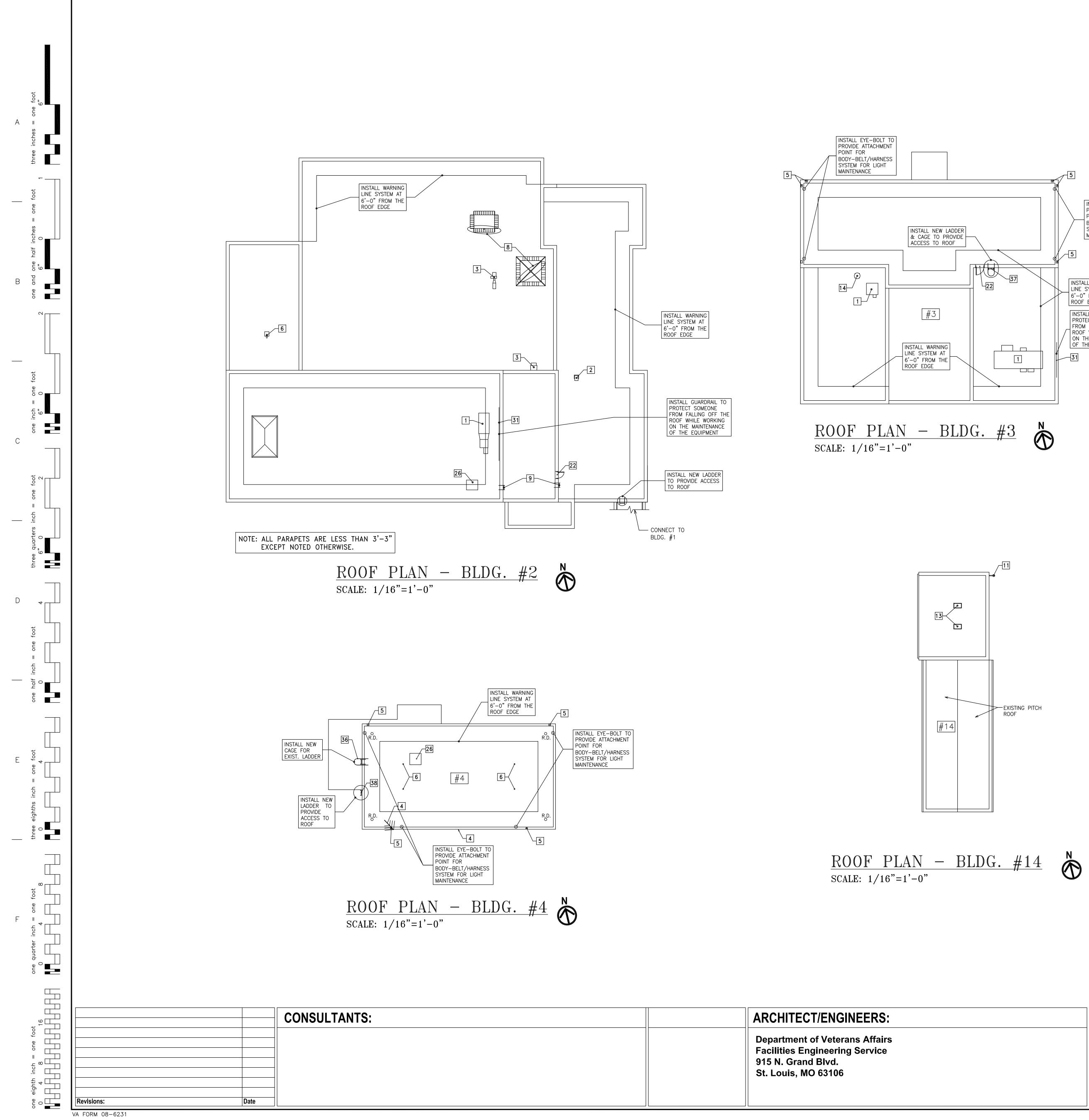


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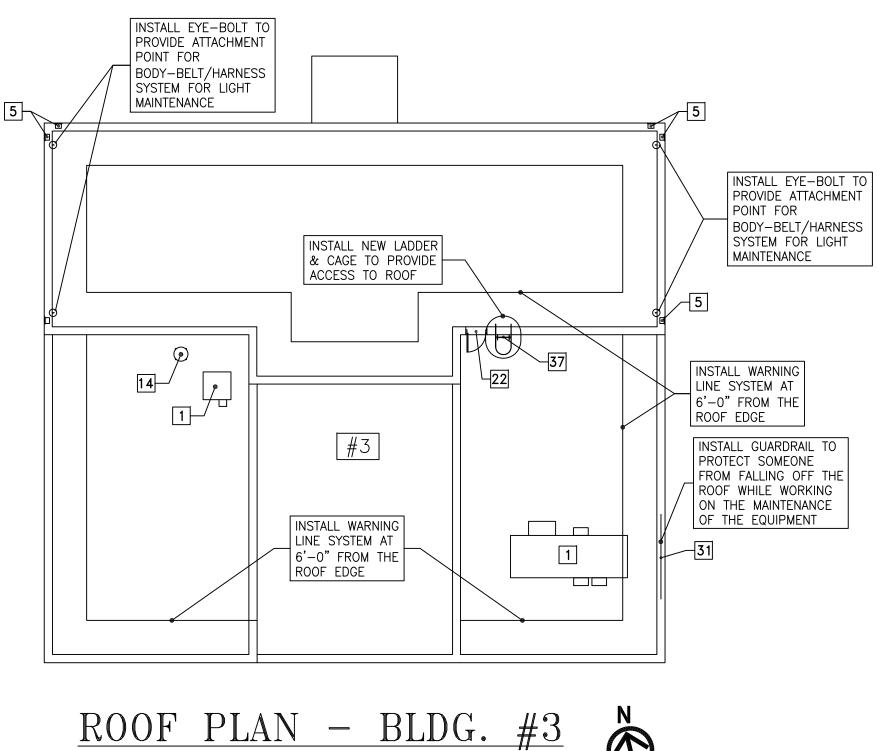
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	Approved: Project Dir	Approved: Project Director		Location VA MEDICAL CENTER	ST. LOUIS, MO JOHN CO	OCHRAN DIVISION	Drawing Nu
				Date 2-2-2017	Checked кмғ	Drawn кмғ	Sheet 10
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INDICATES ROOFS NEEDING FALL PROTECTION INSTALLED.

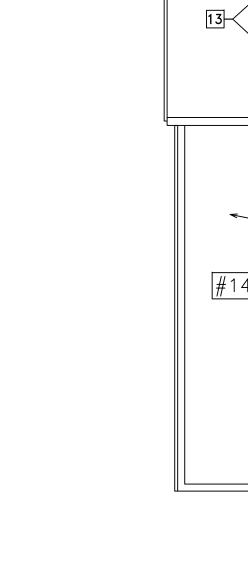


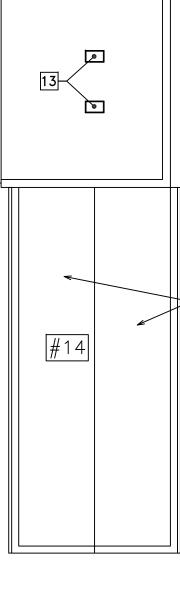
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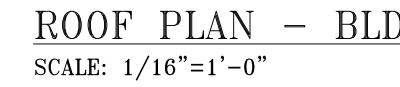


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-11

EXISTING PITCH ROOF

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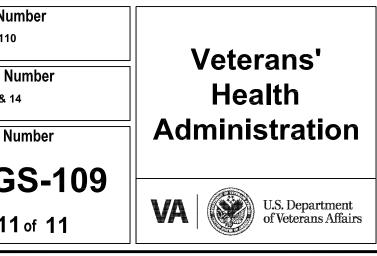
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2	AIR DUCT	24	EQIPMENT DECK
3	EXHAUST FAN	25	WIRE/CABLE TRAY
4	ANTENNA	26	CAPPED EQUIPMENT/PIPE B
5	ILLUMINATION LIGHT	27	VENTILATOR
6	VENT	28	GUTTER
7	ELECTRIC PANEL	29	COOLING TOWER
8	SATELLITE DISH	30	NEW LADDER
9	LADDER	31	NEW GUARDRAIL
10	ROOF HATCH	32	NEW WARNING LINE SYSTEM
11	CAMERA	33	NEW LADDER W/. CAGE &
12	TANK	1	LOCKED GATE
13	SKYLIGHT	34	NEW GUARDRAIL SYSTEM AROUND EXISTING ROOF
14	KITCHEN EXHAUST FAN		НАТСН
15	MAKE-UP AIR UNIT	35	NEW EYE-BOLT ANCHORAGE
16	SIREN (NOT IN SERVICE)	36	NEW CAGE FOR EXISTING
17	RAIN GAUGE		LADDER
18	LINT FILTER	37	NEW LADDER W/. CAGE
19	STAIR	38	NEW LADDER W/. LOCKED GATE
20	GUARDRAIL		
21	WALKWAY		
22	DOOR OR GATE ACCESS TO ROOF		

KEY NOTES:

SCHEMATIC DESIGN - NOT FOR CONSTRUCTION

	Drawing Title JC ROOF PLANS			Project Title FCA - CORRECT ANNUAL WORKPLACE FINDINGS OVER ONE YEAR OLD			
	Approved: Project Direct	ctor		Location VA MEDICAL CENTER ST. LOUIS, MO JOHN COCHRAN DIVISI			Drawing Nu
				Date 2-2-2017	Checked кмғ	Drawn кмғ	1-G Sheet 11
6		7		8			

WINDOW ACCESS TO ROOF EQIPMENT DECK WIRE/CABLE TRAY CAPPED EQUIPMENT/PIPE BASE VENTILATOR GUTTER COOLING TOWER NEW LADDER NEW GUARDRAIL NEW WARNING LINE SYSTEM NEW LADDER W/. CAGE & LOCKED GATE NEW GUARDRAIL SYSTEM AROUND EXISTING ROOF HATCH NEW EYE-BOLT ANCHORAGE NEW CAGE FOR EXISTING ADDER



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