

FORM	08-6231,	OCT	197

DEMOLITION NOTES:	SUGGESTED MATRIX OF SCOPE RESP		
DEMOLITION NOTES:			
STING TECHNOLOGY ITEMS TO BE REMOVED. THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE BE REMOVED. THE CONTRACTOR SHALL VISIT THE	ITEM	SHOWN ON	F
Y EXISTING CONDITIONS. DVED AND NOT RELOCATED REMAIN THE DR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF DELISE OR DETAIN (i.e., FOR MAINTENANCE	TECHNOLOGY ROUGH-IN, REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.
	INFORMATION OUTLET FACEPLATES, JACKS AND TERMINATIONS	T-SERIES	Τ.
REUSE OR RETAIN. (i.e., FOR MAINTENANCE	CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.
FROM THE OWNER BEFORE TURNING OFF THE	CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	Τ.
ETC. COORDINATE ALL OUTAGES WITH OWNER.	TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.
ON MAY BE ABANDONED IN PLACE IF NOT AFFECTED	TELECOMMUNICATION EQUIPMENT, CABLING, & TERMINATIONS	T-SERIES	Τ.
ALLS ARE BEING REMOVED. WHERE CONDUIT IS IN	NURSE CALL ROUGH-IN	T-SERIES	N
OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN	NURSE CALL EQUIPMENT, CABLING, & TERMINATIONS	T-SERIES	N
ORTS, HANGERS, ETC., SHALL ALSO BE REMOVED. THEIR WORK WITH OTHER CONTRACTORS AT THE	CABLE TRAY (INCLUDING WIRE BASKET TRAY) REFER TO SPECIFICATION SECTION 27 05 28 FOR DEFINITION	T-SERIES	E.
PMENT AND INSTALLING NEW ITEMS.	LADDER RACK	T-SERIES	Τ.
Y BE REUSED IN PLACE. RELOCATING EXISTING CONDUCTORS SHALL BE INSTALLED IN ALL	GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	Τ.
UND PATH. IS MAY REQUIRE THE INSTALLATION OF A	BONDING SYSTEM FOR TECHNOLOGY SYSTEM, REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.

T-SERIES E-SERIES LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM) ARCH SPEC T-SERIES BRIDLE RINGS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY) T-SERIES T-SERIES

## SCOPE OF RESPONSIBILITY NOTES

- 1. LOCATIONS OF TELECOMMUNICATIONS ROUGH-IN SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOL ON
- 2. BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT
- 4. ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE
- 6. FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD. 7. INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATION'S FOR THE COMPLETE GROUNDING SYSTEM REQUIRED BY THE SPECIFICATIONS.

TELECOM ROOM REFERENCES						
TELECOM ROOM	DETAIL/SHEET REFERENCE	FLOORPLAN REFERENCE				
HC-1	1/T401	T103				
HC-2	3/T104	1/T104				
HC-3	4/T104	2/T104				
MCR-1	T100	T100				
TER-1	T100	T100				

			IFORMA		ITI FT S	CHEDU		
	INFORMATION OUTLET SCHEDULE NOTE: REFER TO THE INFORMATION OUTLET SCHEDULE LEGEND FOR POSITION JACK TYPE DESCRIPTION, THE INFORMATION OUTLET DETAILS AND T601 GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.							
			FAC	EPLATE	E FEATU	RES		
CONFIGURATION	FACEPLATE PORTS	POSITION 1 JACK TYPE	POSITION 2 JACK TYPE	POSITION 3 JACK TYPE	POSITION 4 JACK TYPE	POSITION 5 JACK TYPE	POSITION 6 JACK TYPE	SCHEDULE NOTES
▼ ♥ ▼ <sup>1V 3D</sup>	4	DATA	DATA	DATA	VOICE			
<b>▼</b> 1D	1	DATA						
<b>₩</b>	1	VOICE						
<b>₩</b> AP	1	DATA						1.
<b>𝑥</b> <sup>2D</sup>	2	DATA	DATA					
<b>₩</b> <sup>AV</sup>	2	HDMI						
<b>₩</b>	1	CATV						

INFORMATION OUTLET SCHEDULE						
JACK TYPE	IO SCHEDULE DESCRIPTION					
BLANK	BLANK FILLER MODULE					
CATV	RG 6 F-CONNECTOR					
DATA	CAT 6 RJ-45					
HDMI	HDMI CONNECTOR					
VOICE	CAT 6 RJ-45					

MICHAEL ROTH & ASSOCIA **ARCHITECTS & PLANNERS,** 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 31

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FURNISHED BY	INSTALLED BY	NOTES:
E.C.	E.C.	3., 4.
T.C.	T.C.	
E.C.	E.C.	
T.C.	T.C.	2., 4.
E.C.	E.C.	1.
T.C.	T.C.	
NC.C	E.C.	
NC.C		
E.C.	E.C.	
T.C.	T.C.	5.
T.C.	E.C.	6.
E.C.	E.C.	7., 8.
E.C.	E.C.	
E.C.	E.C.	
T.C.	E.C.	2., 4.
E.C.	E.C.	
T.C.	T.C.	
T.C.	T.C.	5.
E.C.	E.C.	

				• •
	T-SERIES	E.C.	E.C.	
	T & E SERIES	E.C.	E.C.	
Έ	S			
ΞT	SYMBOL ON THE	CONTRACT DOC	JMENTS. REFER	TO THE
IR	ED EQUIPMENT N	MAY NOT BE SHOV	VN ON THE DRAV	VINGS FOR

SYMBOL	EQUIPMENT LIST ABBREVIATION	CHNOLOGY SYMBOL LIST DESCRIPTION	
		CEILING INFORMATION OUTLET, DATA COMMUNICATION	$\top$
	<u>SC-WAP-C</u>	ONLY, WIRELESS ACCESS POINT	
* <b>*</b>	<u>SC-IO-W</u>	WALL INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	
W T	<u>SC-WP-W</u>	WALL INFORMATION OUTLET, WALL TELEPHONE COMMUNICATION	
# *	<u>SC-IO-C</u>	CEILING INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	
# # <b>V</b>	<u>SC-IO-F</u>	FLOOR INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	
MAS	<u>SC-EM-1</u>	EMERGENCY PHONE MASTER STATION	
AV V	<u>AV-RI</u>	AV OUTLET	
M V	<u>SC-TV-RI</u>	TELEVISION OUTLET	
MAS	NC-MAS-W	MASTER STATION	
S	<u>VA-S-C</u>	FACILITY PAGING SPEAKER (CEILING)	
Ð	VA-H-W	FACILITY PAGING HORN (WALL)	
HN	<u>NC-D-C</u>	NURSE CALL DOME LIGHT	
Hℕ <sub>T</sub>	<u>NC-T-W</u>	NURSE CALL TOILET STATION	
HNE	<u>NC-E</u>	NURSE CALL EMERGENCY STATION	
HN <sub>D</sub>	NC-DTY-W	NURSE CALL DUITY STATION	T
AV	AV-WP1-C	AV WALLPLATE (CEILING) - TYPE 1	
WP1	<u>AV-WP1-W</u>	AV WALLPLATE (WALL) - TYPE 1	
CSS	N.A.	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	T
НН	PW-HH-1	HAND HOLE	T
EM V	<u>SC-EM-1</u>	EMERGENCY PHONE	1
	<u>AC-PB-1</u>	PANIC BUTTON	1
	AC-CR-1	CARD READER	┫
	AC-CR-2	DUAL AUTHENTICATION CARD READER	╉

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### **GENERAL NOTES:**

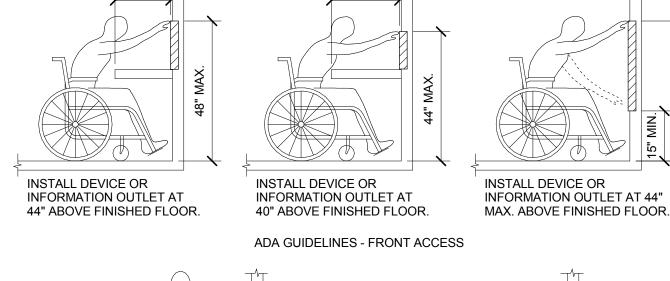
ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE GENERAL FOUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.

ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REI GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPES KEY FOR NEW, EXIST REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

**TECHNOLOGY SYMBOL NOTES:** 

"C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ADDITIONAL INFORMATION. SYMBOL SUBSCRIPT INDICATES DEVICE TYPE. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T601 FOR ADDITIONAL INFORMATION. INFORMATION OUTLET INSTALLED IN E.C. PROVIDED FLOOR BOX. "C#" INDICATES INFORMATION OUTLET FACEPLAT CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T-000 FOR ADDITIONAL INFORMATION. REFER T

ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

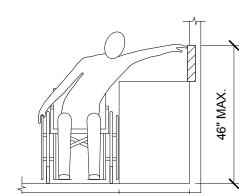


INSTALL DEVICE OR INFORMATION

OUTLET AT 44" ABOVE FINISHED FLOOR.

10" MAX





10"-24" MAX. INSTALL DEVICE OR INFORMATION OUTLET AT 42" ABOVE FINISHED FLOOR.

ADA GUIDELINES - SIDE ACCESS

ADA GUIDELINES FOR ALL CONFIGURATIONS

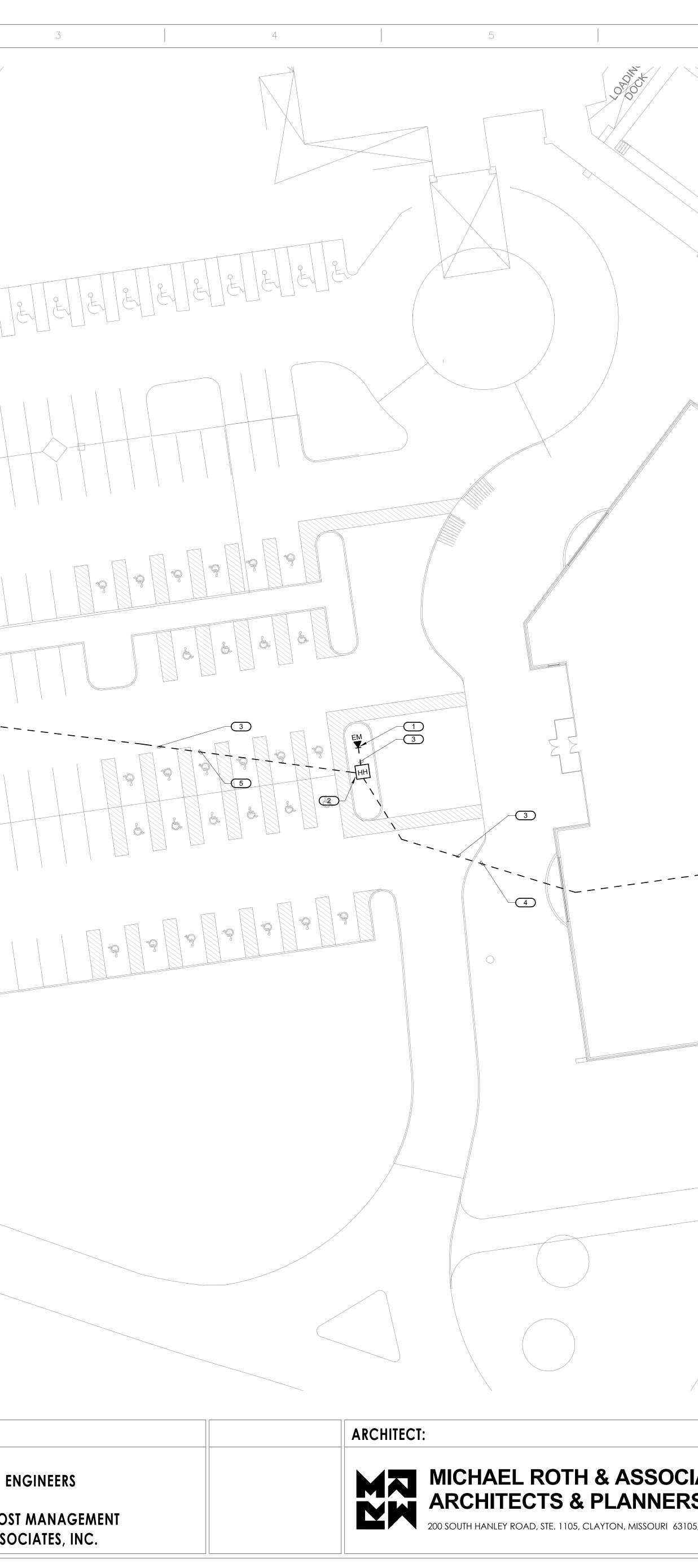
TES,	Drawing Title TECHNOLOGY COVER SHEET	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER			Project Nun 549-130 Building Nu
INC.	Approved: Project Director				Drawing Nu
4-862-2112		Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	T( Dwg. 1
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NOTES:		
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umber 1	Office of Facilities	
umber	Management	
000 30of <b>142</b>	Department of Veterans Affairs	
	ONSTRUCTION	

		1		2	
A	three inches = one foot 6"				
	inches = one foot 0 1				EE
B	one and one half				
С	t one inch = one foot				2
D	three quarters inch = one foot $6^{\circ}$ 0 2				
	one half inch = one foot				
E	three eighths inch = one foot 0 4				
F	one quarter inch = one foot 0 4 8 0 1		<b>SITE PL</b> 1" = 20'-0"	<u>AN - TECHNOLOGY</u>	
		N <sub>OR</sub> TH			
	one eighth inch = one foot 0 4 8 16	REVISED FOR BIDDING	10/27/15	CONSULTANTS: HEALTHCARE PLANNERS: VOA MEPFP + TECH + STRUCT: KJWW CIVIL ENGINEER: JD ENGINEER COST ESTIMATING: MOSS CON INDUSTRIAL HYGIENE: JOHN A.	I CONSULTING E

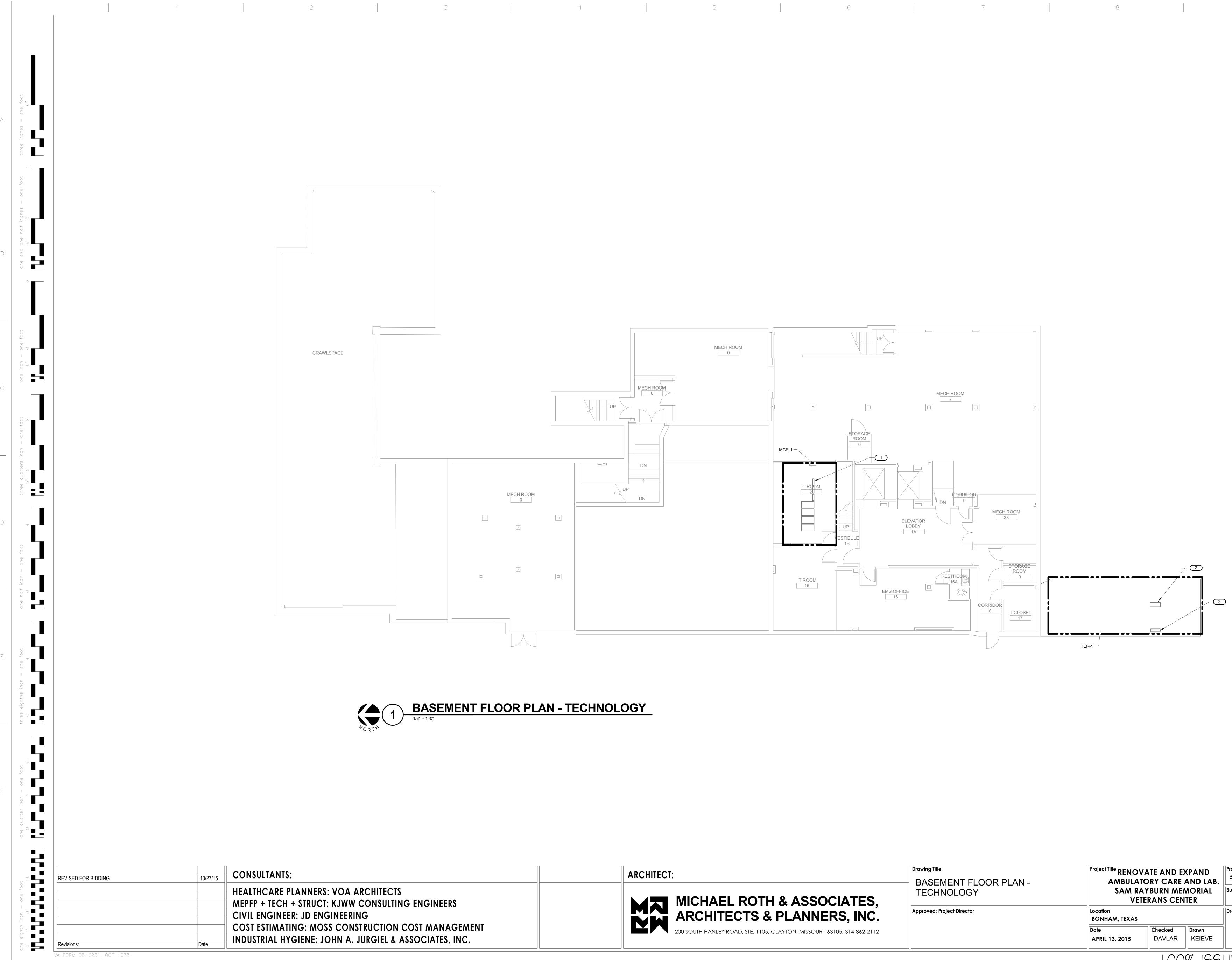
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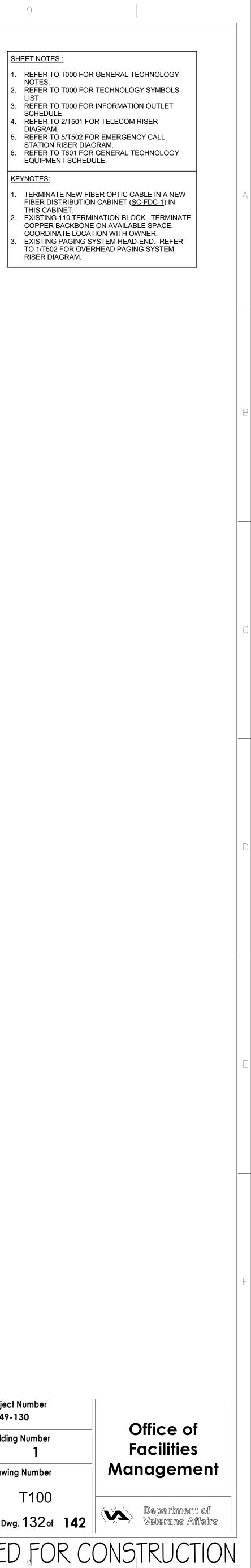
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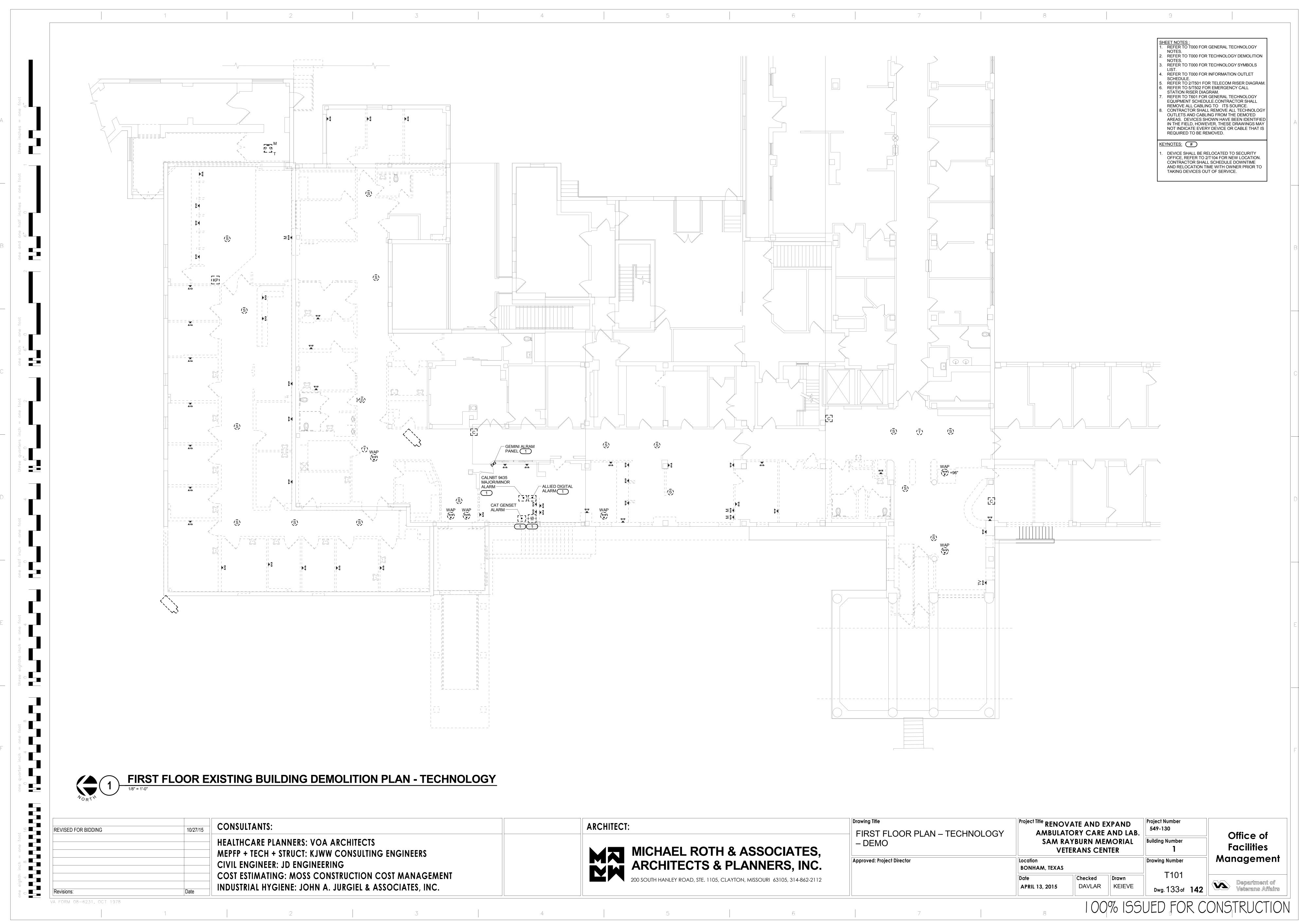
				<u>KE</u> 1.	REFER TO T601 FOR GENEF EQUIPMENT SCHEDULE. <u>YNOTES:</u> REFER TO 7/T502 FOR EMEI STATION BASE DETAIL. CO PROVIDE IP INTERCOM, POI SWITCH, MOUNTING BASE, HOUSING, AND ALL ASSOCI OWNER WILL FURNISH AND	RGENCY CALL NTRACTOR SHALL E FIBER OPTIC EMERGENCY ATED EQUIPMENT.
				2. 3. 4. 5. 6.	AT A FUTURE DATE. REFER TO 8/T502 FOR EXTE DETAIL. INSTALL ONE (1) 2" UNDERG INSTALL TWO (2) 6 STRAND OPTIC CABLES. INSTALL ONE (1) 6 STRAND OPTIC CABLE. TERMINATE CONDUIT INTO T103 FOR ROOM LOCATION	GROUND CONDUIT. MULTI-MODE FIBER MULTI-MODE FIBER HC-1. REFER TO
				TANK		
(	6 STAIRT2			DOCK		
	Drawing Title	Projec	<sup>t Title</sup> RENOVATE AND EX	Project N 549-13		



	ARCHITECT:
ENGINEERS	MICHAEL ROTH & ASSOC ARCHITECTS & PLANNER
ST MANAGEMENT	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63
OCIATES, INC.	

	Drawing Title BASEMENT FLOOR PLAN -	Project Title RENO AMBULA	VATE AND E		547-130	
CIATES,	TECHNOLOGY	SAM RAYBURN MEMORIAL VETERANS CENTER		Building Numb		
RS, INC.	Approved: Project Director       Location         BONHAM, TEXAS			Drawing Num		
3105, 314-862-2112		Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	T1( Dwg. 132	

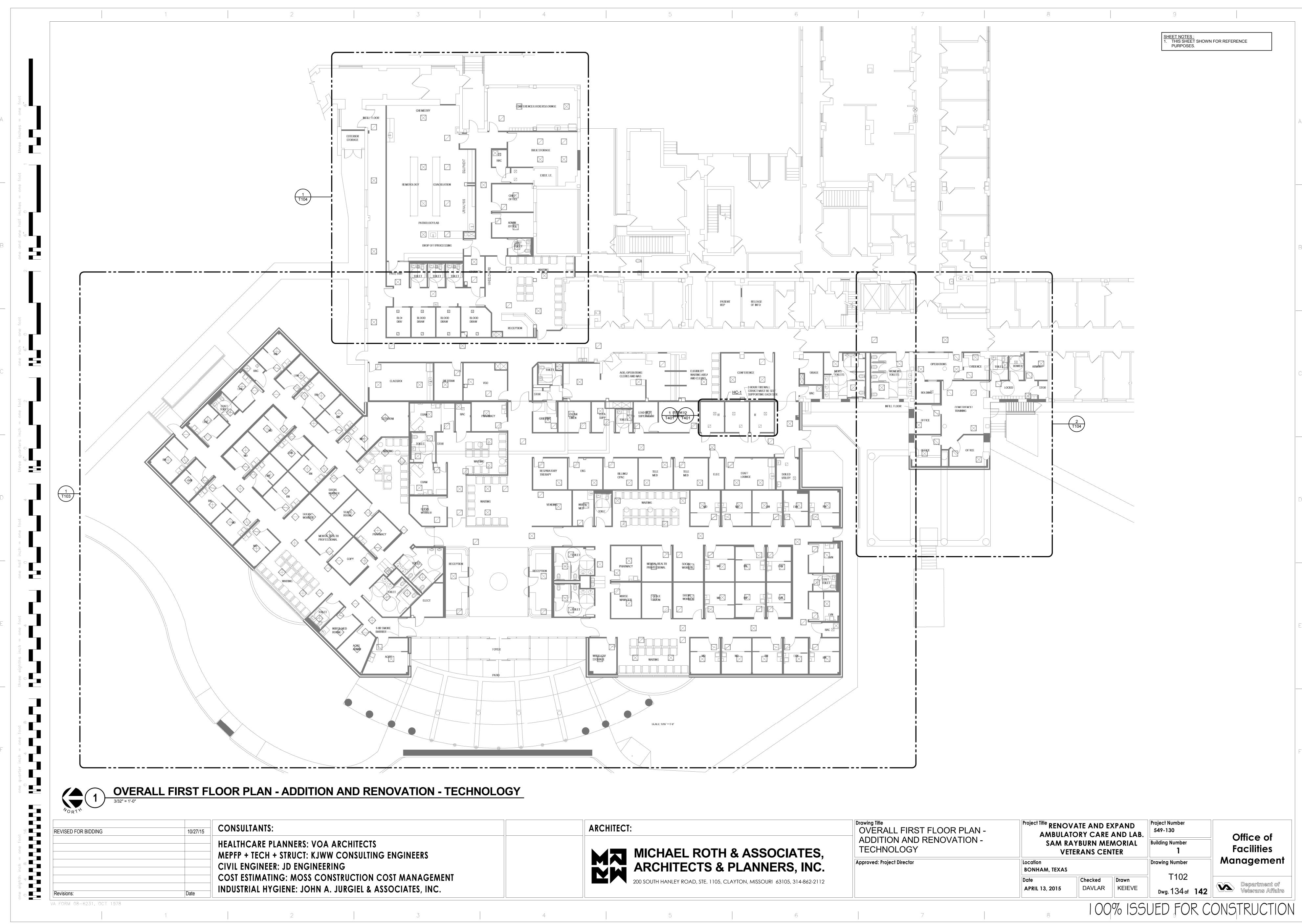




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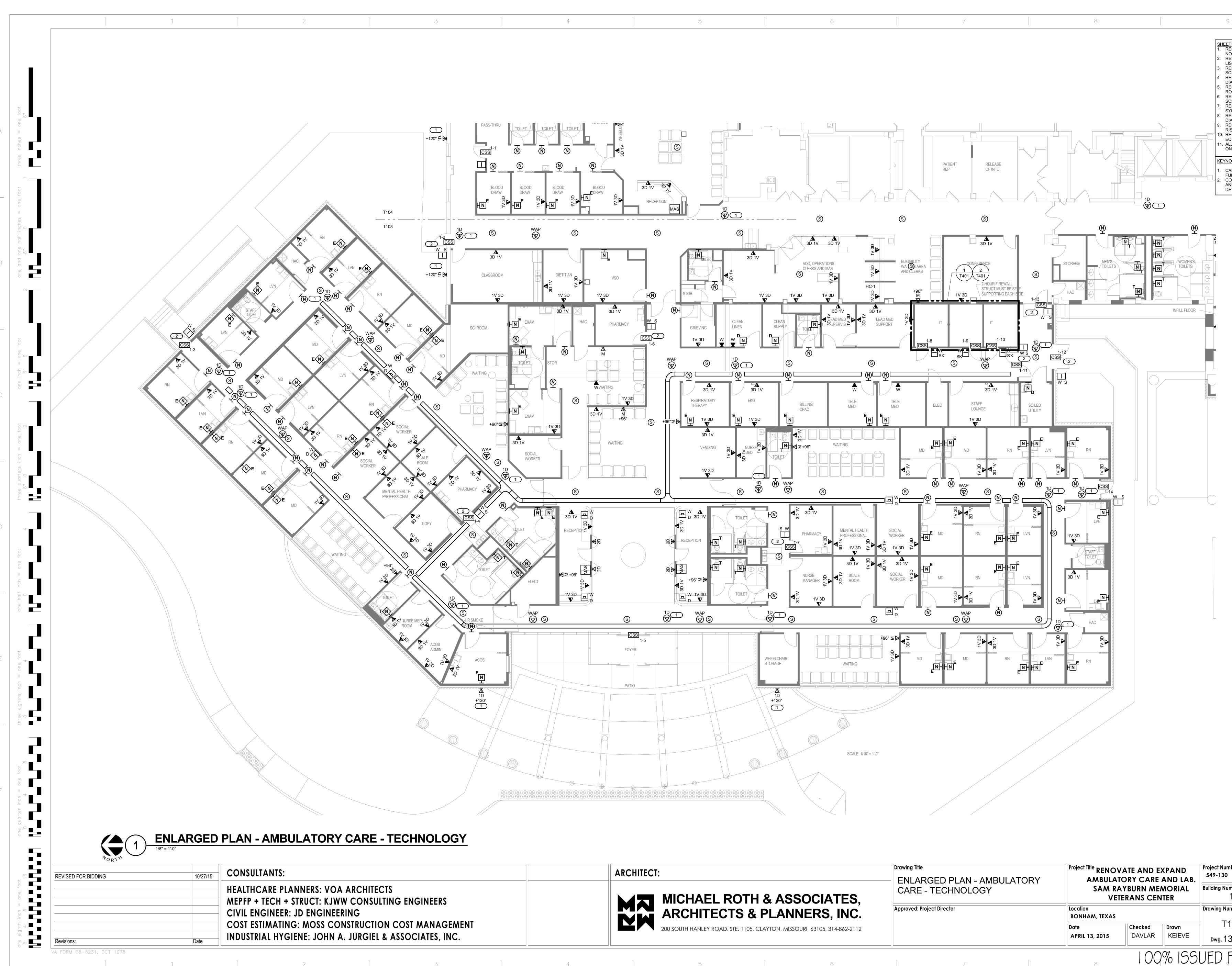
	ARCHITECT:
	MICHAEL ROTH & ASSOC ARCHITECTS & PLANNER
OST MANAGEMENT SOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 6310

ATES,	Drawing Title FIRST FLOOR PLAN — TECHNOLOGY — DEMO	AMBULA SAM R	AMBULATORY CARE AND LAB.		Project Number 549-130 Building Numb <b>1</b>	
S, INC.	Approved: Project Director	Location BONHAM, TEXAS			Drawing Numl	
5, 314-862-2112		Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	T1( Dwg. 13	
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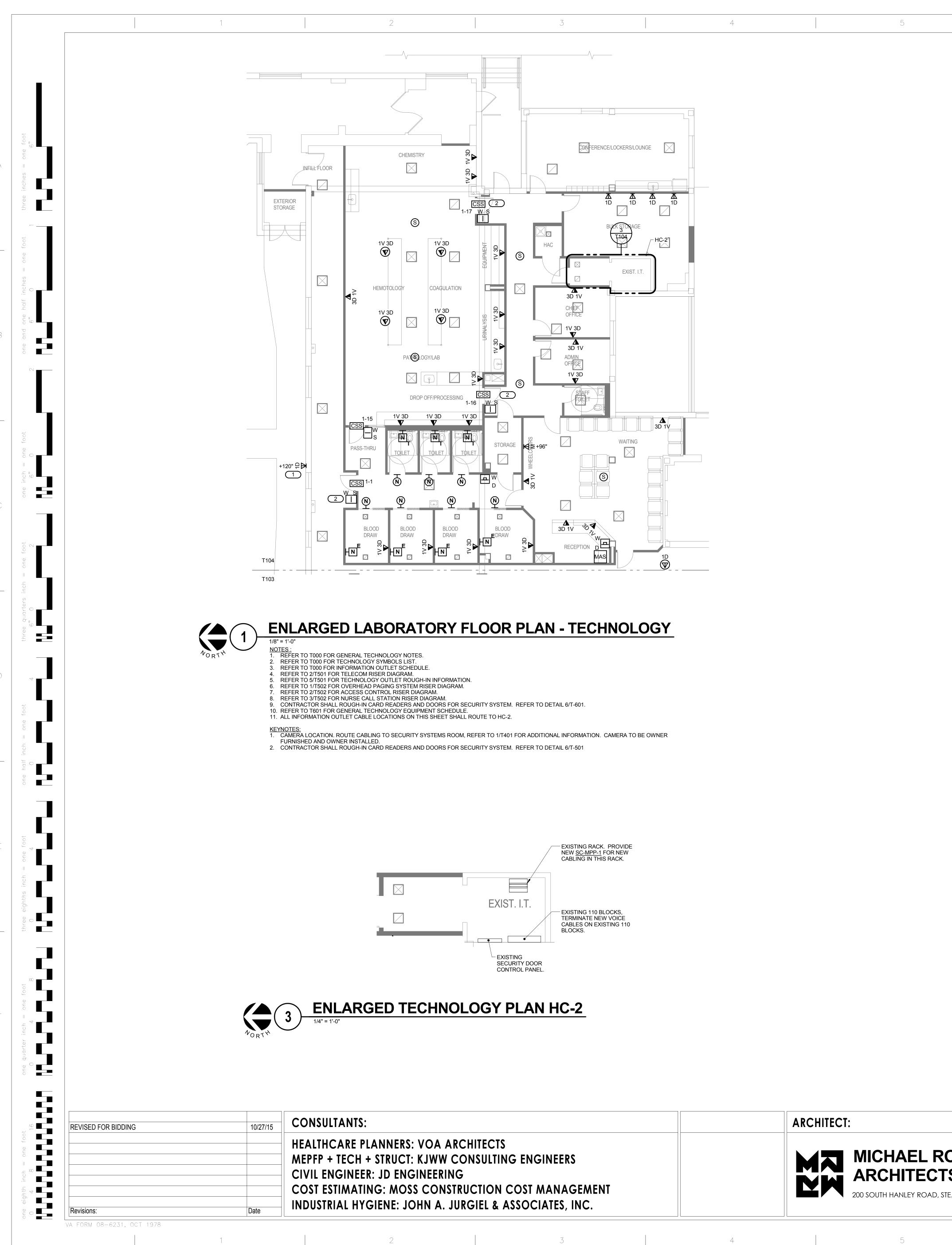
	ARCHITECT:
ENGINEERS	MICHAEL ROTH & ASSOC
OST MANAGEMENT	ARCHITECTS & PLANNER
SOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 6310

IATES,	Drawing Title OVERALL FIRST FLOOR PLAN - ADDITION AND RENOVATION - TECHNOLOGY	SAM R	VATE AND E TORY CARE AYBURN ME TERANS CEN	AND LAB. MORIAL	<b>AB.</b>	
S, INC.	Approved: Project Director	t Director Location BONHAM, TEXAS			Drawing Nun	
5, 314-862-2112		Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	T1 Dwg. 13	
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ET NOTES : REFER TO T000 FOR GENERAL TECHNOLOGY NOTES. REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST. REFER TO 7000 FOR INFORMATION OUTLET SCHEDULE. REFER TO 2/T501 FOR TELECOM RISER DIAGRAM. REFER TO 5/T501 FOR TECHNOLOGY OUTLET ROUGH-IN INFORMATION. REFER TO 6/T501 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL. REFER TO 1/T502 FOR OVERHEAD PAGING SYSTEM RISER DIAGRAM. REFER TO 2/T502 FOR NURSE CALL STATION RISER DIAGRAM. REFER TO 1502 FOR NURSE CALL STATION RISER DIAGRAM. REFER TO 1601 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE. ALL INFORMATION OUTLET CABLE LOCATIONS ON THIS SHEET SHALL ROUTE TO HC-1. NOTES: CAMERA LOCATION CAMERA TO BE OWNER FURNISHED AND OWNER INSTALLED. CONTRACTOR SHALL ROUGH-IN CARD READERS AND DOORS FOR SECURITY SYSTEM. REFER TO DETAIL 6/T-501.	A	
	B	
	С	
	D	
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mber umber 1 umber 103 35 of 142 FOR CONSTRUCTION		

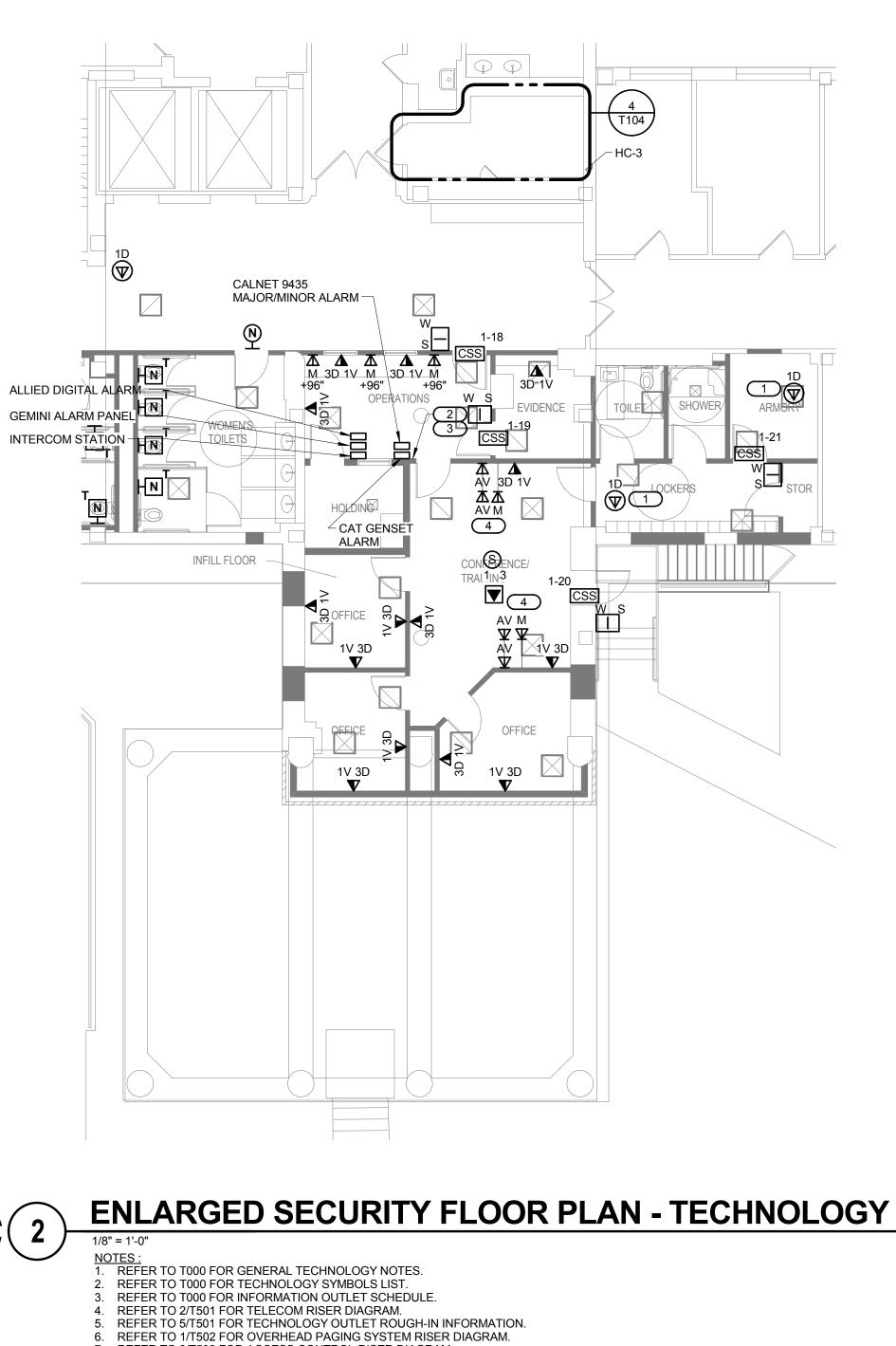


MICHAEL ROTH & ASSOCIA ARCHITECTS & PLANNERS 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105,









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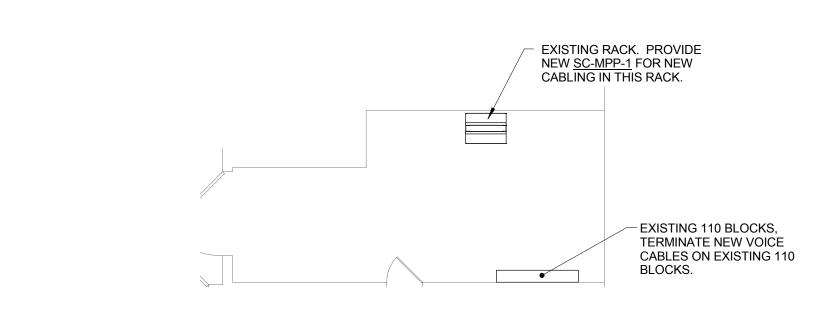
7. REFER TO 2/T502 FOR ACCESS CONTROL RISER DIAGRAM. 8. REFER TO 3/T502 FOR NURSE CALL STATION RISER DIAGRAM. 9. REFER TO 4/T502 FOR FIBER AND COPPER RISER DIAGRAM.

10. REFER TO T601 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE. 11. ALL INFORMATION OUTLET CABLE LOCATIONS ON THIS SHEET SHALL ROUTE TO HC-3. 12. CONTRACTOR SHALL ROUGH-IN CARD READERS AND DOORS FOR SECURITY SYSTEM. REFER TO DETAIL 6/T-501.

KEYNOTES: 1. CAMERA LOCATION. ROUTE CABLING TO SECURITY SYSTEMS ROOM, REFER TO 1/T401 FOR ADDITIONAL INFORMATION. CAMERA TO BE OWNER FURNISHED AND OWNER INSTALLED.

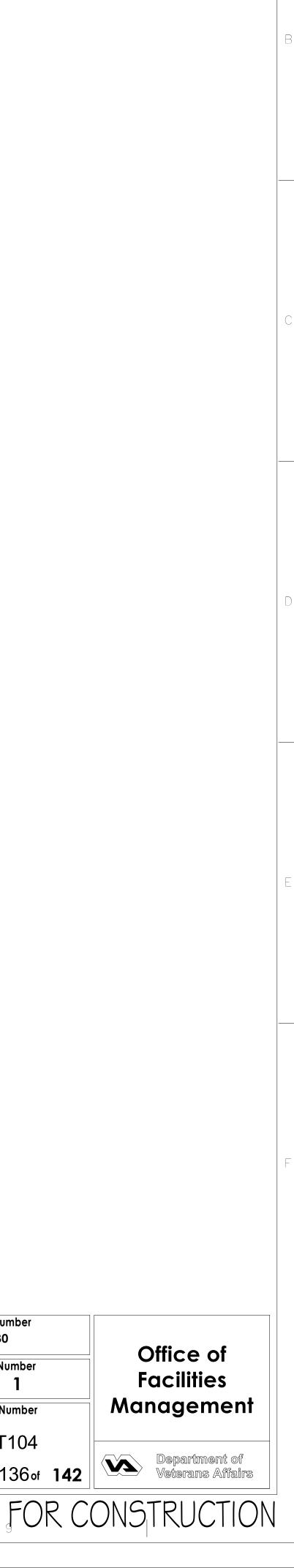
. PLACE RELOCATED ALARM PANELS ON THIS WALL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. 3. RELOCATED ALARM PANELS, REFER TO T101 FOR MORE INFORMATION. 4. MOUNT CATV AND UPPER AV OUTLETS AT 66" AFF, VERIFY EXACT MOUNTING LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLING

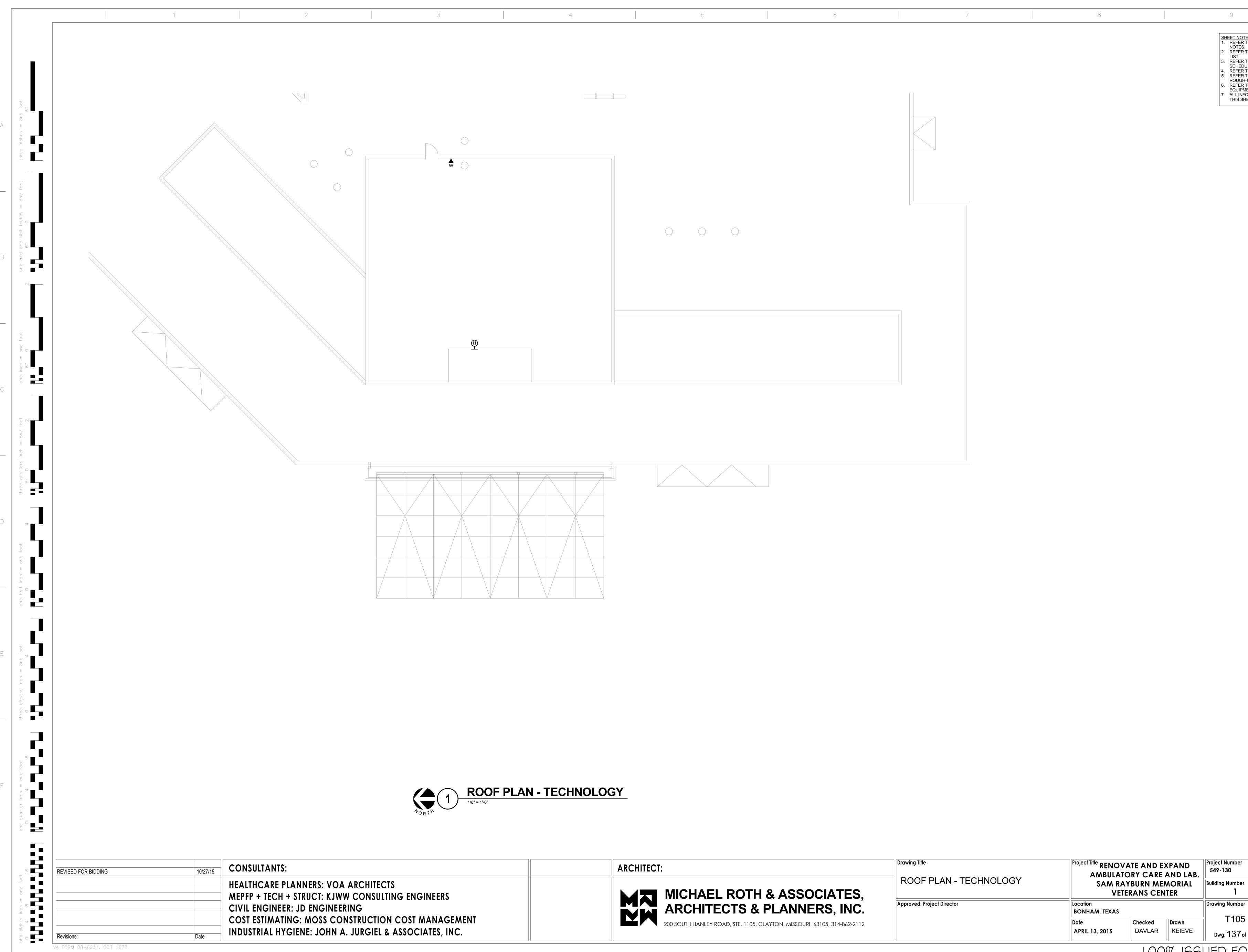
ROUGH-IN. 5. OUTLETS FOR SECURITY SYSTEM MONITORS VERIFY EXACT CONNECTION TYPE REQUIRED WITH SECURITY SYSTEM CONTRACTOR AND MOUNTING HEIGHTS WITH ARCHITECTURAL DETAILS PRIOR TO INSTALLATION.





IATES,	Drawing Title ENLARGED FLOOR PLAN - LABORATORY AND SECURITY - TECHNOLOGY	AMBULA SAM R	AMBULATORY CARE AND LAB.		SAM RAYBURN MEMORIAL		Project Nun 549-130 Building Nu
S, INC.	Approved: Project Director	Location BONHAM, TEXAS			Drawing Nu		
05, 314-862-2112		Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	T 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
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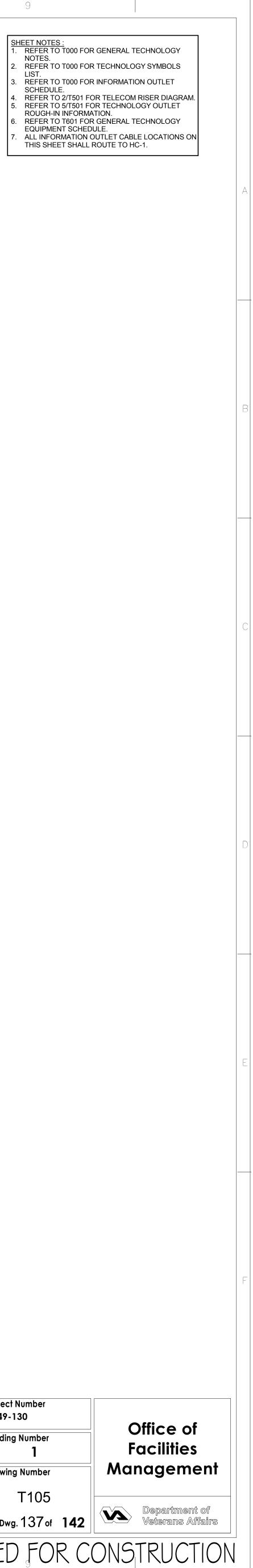


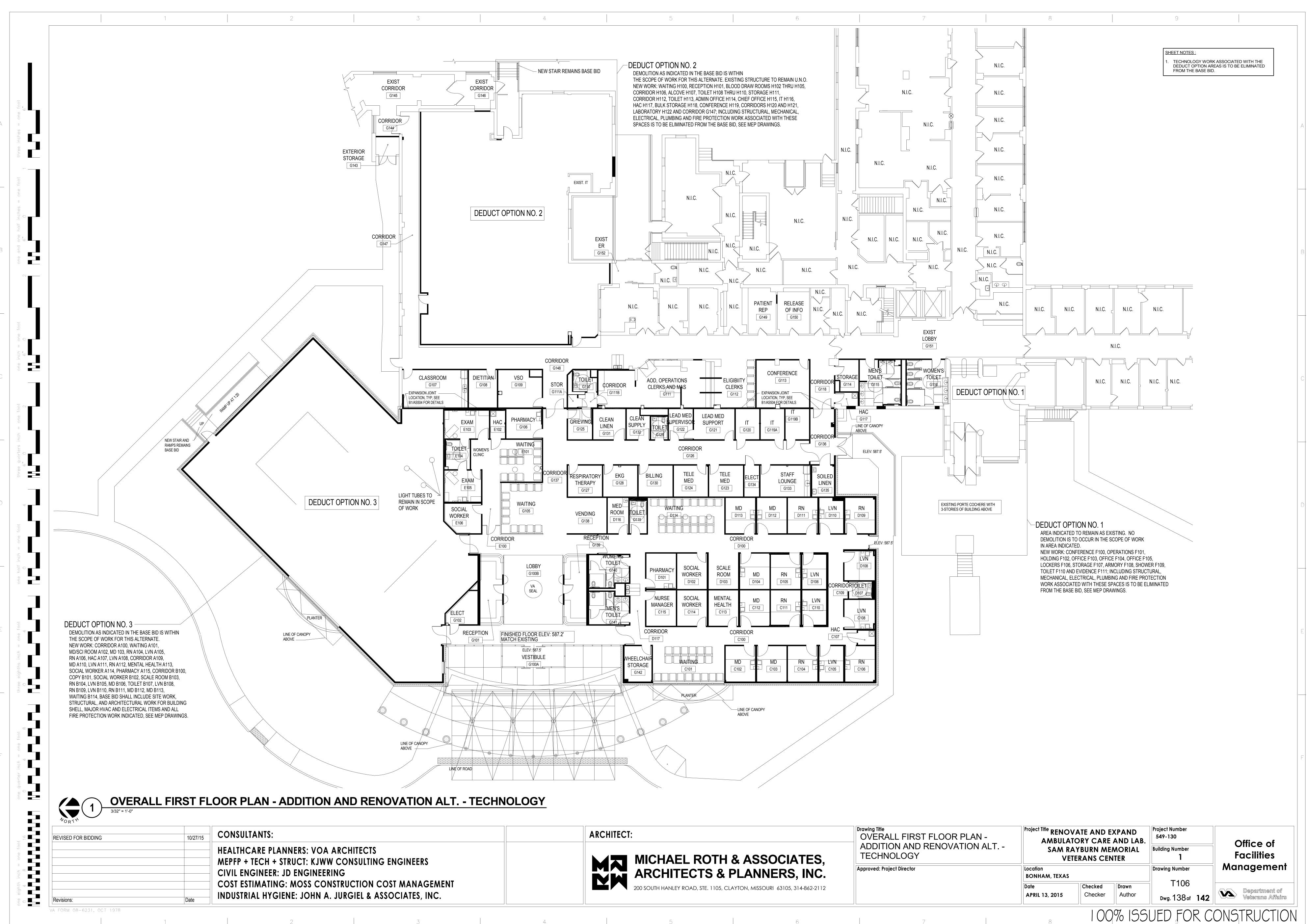
FORM	08-6231,	OCT	1978

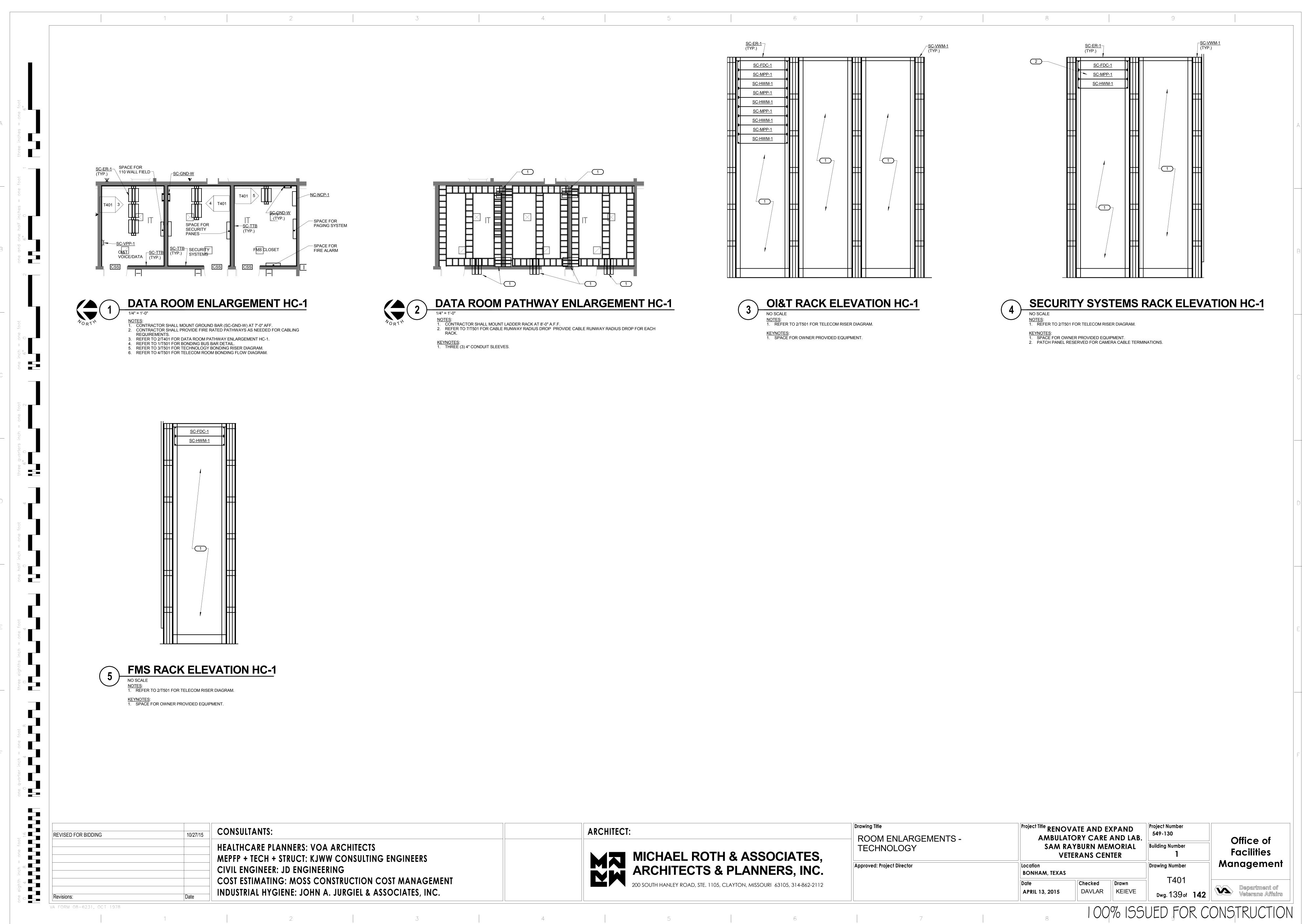
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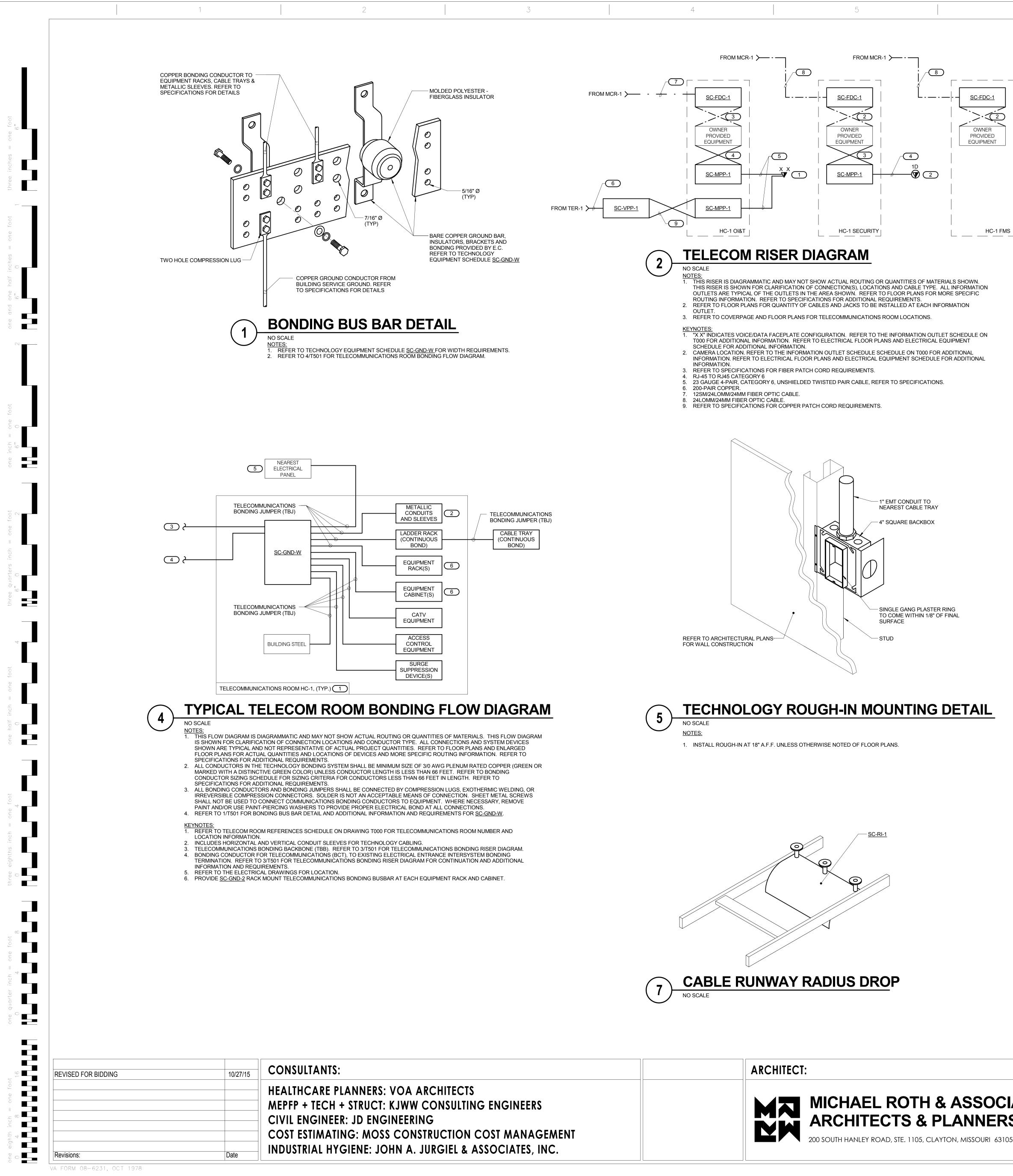
ATES,	ROOF PLAN - TECHNOLOGY	SAM R	VATE AND E TORY CARE AYBURN ME TERANS CEN	AND LAB. MORIAL	549-130 Building Nu
S, INC.	Approved: Project Director	Location BONHAM, TEXAS			Drawing Nu
5, 314-862-2112		Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	T 2 Dwg. 1
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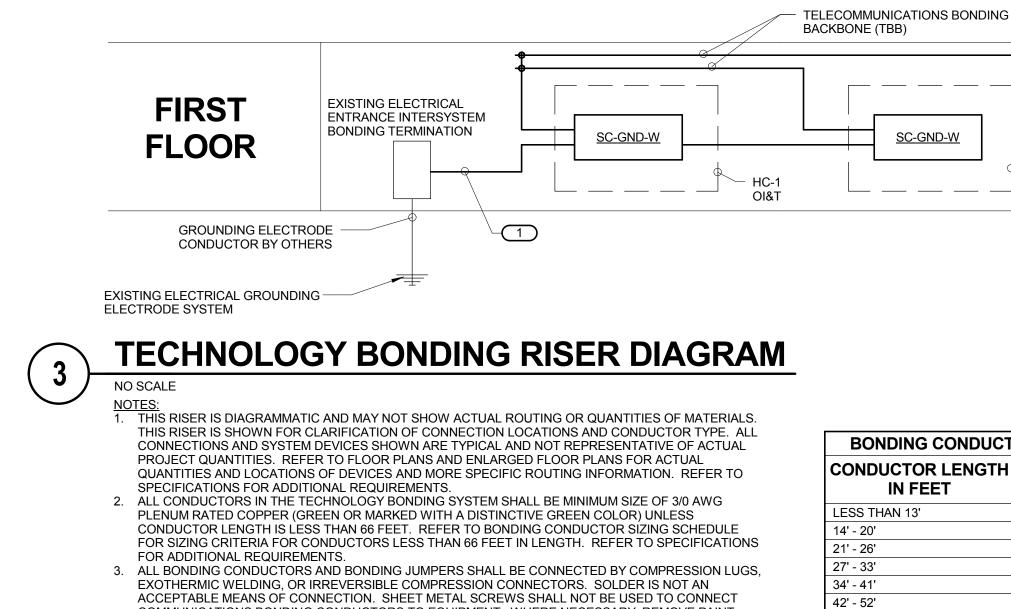




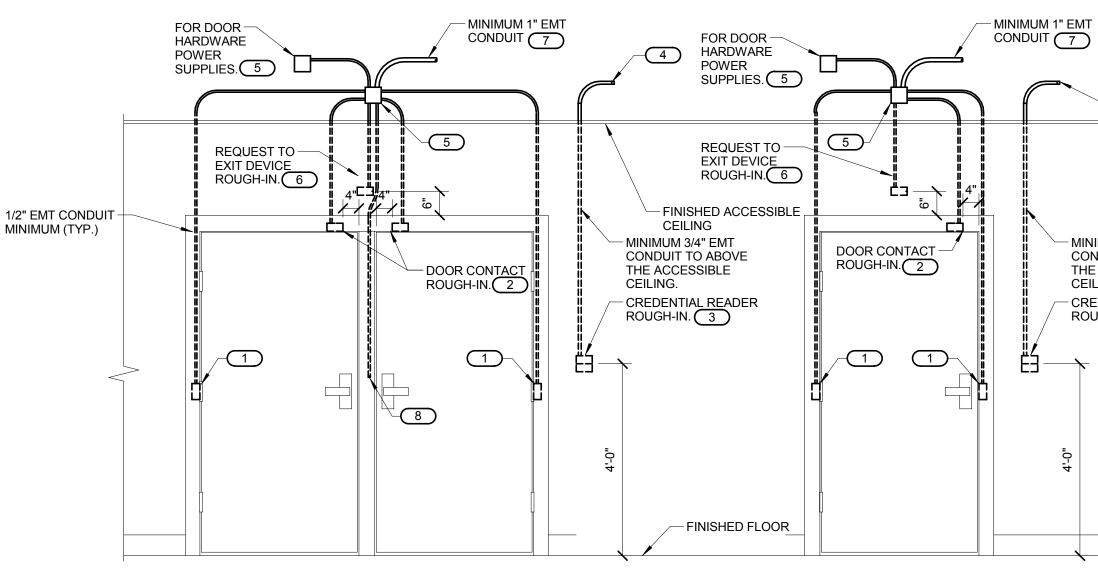
ATES,	Drawing Title ROOM ENLARGEMENTS - TECHNOLOGY	AMBUL SAM	OVATE AND E ATORY CARE RAYBURN ME /ETERANS CEI	AND LAB.	Project Num 549-130 Building Nui
, INC.	Approved: Project Director	Location BONHAM, TEXA	\S		Drawing Nu
314-862-2112		Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	T2 Dwg. 1
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- COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS. 4. REFER TO 4/T501 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM. 5. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T000 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.
- <u>KEYNOTES:</u> 1. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBB OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.



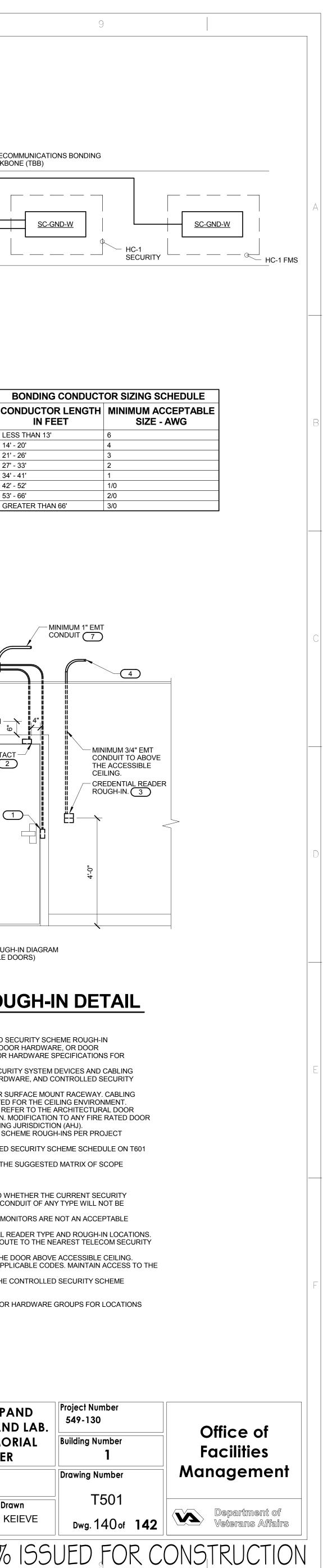
DOOR FRAME ROUGH-IN DIAGRAM (ALL DOUBLE DOORS WITH OR WITHOUT MULLION) DOOR FRAME ROUGH-IN DIAGRAM (ALL SINGLE DOORS)

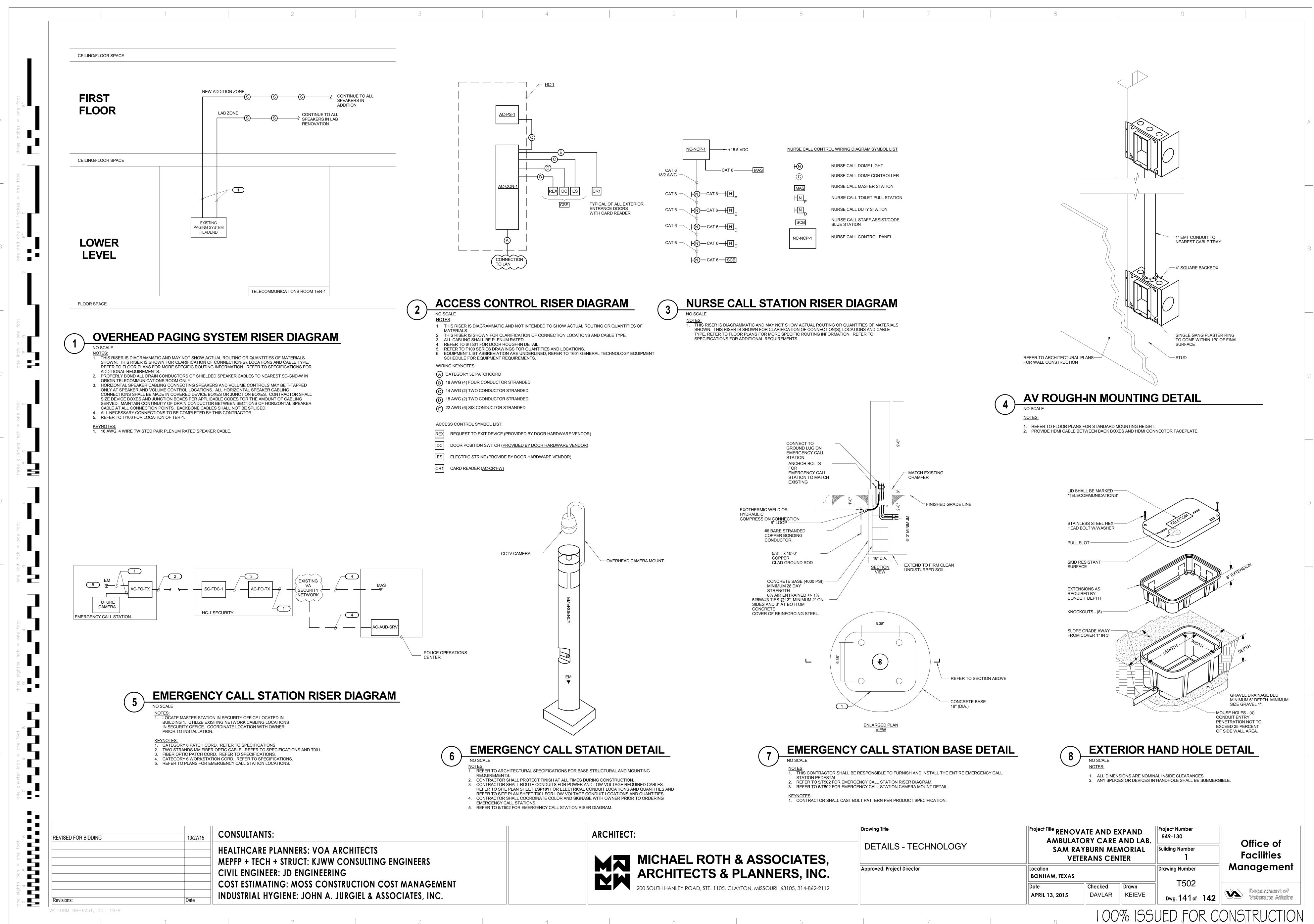
GREATER THAN 66'

# **CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL** NO SCALE

- CONFIGURATIONS SHOWN IN THE DETAIL ABOVE ARE DIAGRAMMATIC, INTENDED TO DESCRIBE THE CONTROLLED SECURITY SCHEME ROUGH-IN REQUIREMENTS OF THE DOORS. DETAILS ABOVE MAY NOT ACCURATELY REPRESENT DOOR SIZE, DOOR SWING, DOOR HARDWARE, OR DOOR FUNCTIONALITY. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE GROUPS AND DOOR HARDWARE SPECIFICATIONS FOR COMPLETE INFORMATION. MIRROR THE DETAIL AS REQUIRED. ROUGH IN SHOWN IN THE DETAIL ABOVE REPRESENTS THE MINIMUM REQUIREMENTS FOR ALL CONTROLLED SECURITY SYSTEM DEVICES AND CABLING UNLESS OTHERWISE NOTED. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLLED SECURITY
- DEVICES AND CABLING PRIOR TO INSTALLATION. 3. ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE INSTALLED IN EMT CONDUIT OR SURFACE MOUNT RACEWAY. CABLING ROUTED HORIZONTALLY ABOVE THE ACCESSIBLE CEILING MAY BE INSTALLED FREE-AIR CABLING PROPERLY RATED FOR THE CEILING ENVIRONMENT. I. THE ELECTRICAL OR SECURITY CONTRACTOR SHALL NOT MODIFY ANY FIRE RATED DOOR AND/OR DOOR FRAME. REFER TO THE ARCHITECTURAL DOOR
- SCHEDULE, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION. MODIFICATION TO ANY FIRE RATED DOOR AND/OR FRAME WILL REQUIRE A RE-CERTIFICATION OF THE DOOR AND FRAME WITH THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ). 5. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL CONTROLLED SECURITY SCHEME ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. 6. REFER TO THE ACCESS CONTROL RISER DIAGRAM ON 2/T502 FOR CABLING REQUIREMENTS AND THE CONTROLLED SECURITY SCHEME SCHEDULE ON T601
- FOR ADDITIONAL INFORMATION. 7. INSTALLATION SHALL INCLUDE ALL POWER REQUIRED FOR SYSTEM OPERATION INCLUDING +120VAC. REFER TO THE SUGGESTED MATRIX OF SCOPE RESPONSIBILITY FOR ADDITIONAL INFORMATION.
- KEYNOTES: 1. PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON THIS DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. ALL CONDUITS SHALL BE EMT CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT OF ANY TYPE WILL NOT BE ACCEPTED. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR.
- 2. ALL DOOR POSITION SWITCHES ARE REQUIRED TO BE RECESSED UNLESS OTHERWISE NOTED. ELECTRIC HINGE MONITORS ARE NOT AN ACCEPTABLE REPLACEMENT FOR THE RECESSED DOOR POSITION SWITCH. 3. DOUBLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. REFER TO FLOOR PLAN(S) FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN LOCATIONS.
- 4. CONDUIT SHALL ROUTE FROM THE CREDENTIAL READER TO THE SECURE SIDE OF THE DOOR. CONDUIT SHALL ROUTE TO THE NEAREST TELECOM SECURITY ROOM. 5. MOUNT A MINIMUM 4" SQUARE 2-1/8" DEEP JUNCTION BOX WITH BLANK COVER PLATE ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSIBLE CEILING. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. MAINTAIN ACCESS TO THE
- JUNCTION BOX. 6. PROVIDE A HORIZONTALLY MOUNTED SINGLE GANG BACKBOX FOR THE REQUEST TO EXIT SENSOR. REFER TO THE CONTROLLED SECURITY SCHEME SCHEDULE ON T601 FOR DOORS THAT REQUIRE THIS ROUGH-IN.
- CONDUIT SHALL ROUTE TO THE NEAREST TELECOM SECURITY ROOM. 8. CONDUIT INSTALLED IN PERMANENT MULLIONS ONLY. REFER TO THE ARCHITECTURAL DOOR SCHEDULE AND DOOR HARDWARE GROUPS FOR LOCATIONS THAT REQUIRE THIS ROUGH-IN. PROVIDE A NYLON BUSHING ON THE CONDUIT END.

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DOOR #	ROUGH-IN ONLY	CREDENTIAL READER TYPE	REMOTE UNLOCK VIA INTERCOM	<b>JLTIPLE CREDENTIAL READERS OPERATES SINGLE DOOR</b>	OPERATES MULTIPLE DOORS	WIRELESS	AUTOMATIC DOOR OPERATOR	ELEVATOR	LOCKED BY EMERGENCY DURESS SEQUENCE	INFANT PROTECTION	<b>INTERCOM MASTER</b>	INTRUSION DETECTION	REMOTE UNLOCK VIA FIRE COMMAND CENTER	VIDEO SURVEILLANCE	WANDER PREVENTION SYSTEM	INTERNAL ELECTRIFIED HARDWARE CONNECTION	LOCAL PUSHBUTTON DOOR HARDWARE OVERRIDE	MOTION DETECTOR	REMOTE PUSH BUTTON OVERRIDE	ELECTRONIC LOCKING HARDWARE (BY OTHERS)	MAG LOCK	LATCH STATUS DETECTION	LOCAL ALARM HORN	MONITOR LATCH BOLT	OR DOOR POSITION SWITCH SPDT	MONITOR DOOR POSITION SWITCH DPDT	MONITOR MAGNETIC POSITION SWITCH	DELAYED EGRESS	LOCAL 120VAC POWER SUPPLY	SCHEDULE BASED LOCKING	
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CONSULTANTS:

HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

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OCHARDWAR       OTHER         MONITOR LATCH BOLT       MONITOR LATCH BOLT         MONITOR DOOR POSITION SWITCH SPDT       MONITOR DOOR POSITION SWITCH BDDT         MONITOR DOOR POSITION SWITCH BDDT       DELAYED EGRESS         Coted Latch BOLT       DELAYED EGRESS         MONITOR DOOR POSITION SWITCH       DELAYED EGRESS         MONITOR DOOR POSITION SWITCH       DELAYED EGRESS         MONITOR DOOR POSITION SWITCH       DELAYED EGRESS	31	rype E pr( R ty)	OVID	ED A	AND			ED E	BY O	THERS. REFER TO THE TECHNOLOGY EQUIPMENT
ALARM HORN OR LATCH BOLT OR DOOR POSITION SWITCH OR DOOR POSITION SWITCH OR MAGNETIC POSITION SWITCH OR MAGNETIC POSITION SWITCH I 20VAC POWER SUPPLY ULLE BASED LOCKING	0	R HA	RDV	VARI	<b>=</b>		C	THE	R	
		LOCAL ALARM HORN	MONITOR LATCH BOLT	DOOR POSITION SWITCH	MONITOR DOOR POSITION SWITCH DPDT	OR MAGNETIC		LOCAL 120VAC POWER SUPPLY		NOTES
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MICHAEL ROTH & ASSOCIA ARCHITECTS & PLANNERS 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105

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	GENERAL TECHNOLOGY EQUIPMENT SCHEDULE	
	AMES AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE C FOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MA WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.	
ERIAL. NO I AD THE CO	BERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CO MPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE F THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO AD	NTRACTOR SHALL FIRST FIRST MANUFACTURER
UIPMENT		EQUIPMENT LIST
LIST		MANUFACTURER AND
REVIATION	EQUIPMENT LIST DESCRIPTION	MODEL
C-AUD-SRV	RACK MOUNTED AUDIO SERVER FOR IP EMERGENCY INTERCOM STATIONS. PROVIDE WITH GLOBAL NETWORKING AND INTEGRATION, SIM CARD BASED SOFTWARE CONFIGURATION AND DISASTER RECOVERY, SUPPORT FOR UP TO 512	*
	STATIONS, EXTENDED MEMORY FOR FUTURE EXPANSION, MESSAGING SERVICES, AND AUTO-ATTENDANT FUNCTIONALITY. PROVIDE SOFTWARE LICENSES AS REQUIRED FOR THIS PROJECT.	
AC-CON-1	WALL MOUNT ACCESS CONTROL PANEL WITH CONTROL AND LOCK POWER SUPPLIES, TCP/IP INTERFACE. REFER TO	*
	SPECIFICATION SECTION 28 13 00 FOR FURTHER INFORMATION. PANEL TO MATCH EXISTING HIRSCH ELECTROSONICS SYSTEM.	
C-CR1-W	CARD READER, PROVIDED AS INTEGRAL PART OF SECURITY MANAGEMENT SYSTEM, REFER TO ACCESS CONTROL	*
	SYSTEM DOOR SCHEDULE FOR COMPLETE INFORMATION, CARD READERS SHOWN ON PLANS TO IDENTIFY INTENDED MOUNTING LOCATION, REFER TO SPECIFICATION SECTION 28 13 00 FOR COMPLETE INFORMATION.	
AC-FO-TX	FIBER OPTIC TRANSCEIVER, MULTI-MODE FIBER OPTIC ST TO RJ45 COPPER TRANSCEIVER - FULL DUPLEX, HARDENED,	*
AV-IO-W	TEMPERATURE RANGE - 10° TO 50° C. AV OUTLET	*
Av-10-vv		
	INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT BETWEEN UPPER AND LOWER AV OUTLETS, REFER TO AV OUTLET DETAIL ON 4/T502. CONTRACTOR SHALL	
	VERIFY WALLPLATE COLOR WITH ARCHITECT. REFER TO SPECIFICATIONS FOR LABELING REQUIREMENTS.	
NC-D-C	NURSE CALL DOME LIGHT CEILING MOUNTED. DETECTION LIGHT INDICATING CALLS FROM PATIENT STATIONS, TOILETS, SHOWERS, DUTY STATIONS, ETC. LEDS TO PROVIDE HIGH-VISIBILITY ANNUNCIATION OF PATIENT CALLS. COLOR	*
	PATTERNS AND FLASH RATES OF THE LEDS ARE PROGRAMMABLE. REFER TO FLOOR PLANS FOR DEVICE LOCATIONS. E.C. TO PROVIDE 3-GANG (NON-GANGABLE) 3 1/2" DEEP BACKBOX WITH 3/4" EMT CONDUIT. UTILIZE STEEL CITY (58371)	
	OR APPROVED EQUAL. REFER TO %NCRN% ON %NCRR.	
IC-DTY-W	NURSE CALL DUTY STATION. STATION PROVIDED AND INSTALLED BY OTHERS. REFER TO FLOOR PLANS FOR DEVICE MOUNTING HEIGHT AND LOCATIONS. E.C. TO PROVIDE 3-GANG (NON-GANGABLE) 3 1/2" DEEP BACKBOX WITH 3/4" EMT	*
	CONDUIT TO ABOVE ACCESSABLE CEILING. REFER TO %NCRN% ON %NCRR.	
NC-E	NURSE CALL CODE BLUE CALL STATION, WITH CANCEL PUSH BUTTON AND BLUE PAD PUSH BUTTON LABELED "CODE BLUE".	*
C-MAS-W	NURSE CALL MASTER STATION, DESK MOUNT, MICROPROCESSOR BASED WITH L.C.D. READOUT, REFER TO	*
IC-NCP-1	SPECIFICATIONS FOR ADDITIONAL INFORMATION. NURSE CALL CENTRAL EQUIPMENT. INCLUDES CONTROL EQUIPMENT SUCH AS GATEWAYS, ROUTERS, SWITCHES, ETC.	*
	RACK OR WALL MOUNT DEPENDANT UPON MANUFACTURER REQUIREMENTS, 120 VOLT, WITH INTERNAL BATTERY	
	BACK-UP, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, ALL FIELD WIRING SHALL BE TERMINATED UNDER THE SUPERVISION OF NURSE CALL AUTHORIZED REPRESENTATIVE.	
NC-T-W	NURSE CALL PATIENT ASSIST WITH PULL CORD CALL STATION. EMERGENCY PULL CORD STATION WITH CANCEL PUSH	*
	BUTTON FOR USE IN TOILETS. WATERPROOF FOR TOILET USE. REFER TO FLOOR PLANS FOR DEVICE MOUNTING HEIGHT. E.C. TO PROVIDE 1-GANG (NON-GANGABLE) 3 1/2" DEEP BACKBOX WITH 3/4" EMT CONDUIT TO ABOVE	
	ACCESSABLE CEILING. UTILIZE STEEL CITY (58371) OR APPROVED EQUAL.	*
PA-S-C	SPEAKER, RECESS CEILING MOUNT ASSEMBLY, CONSISTING OF AN 8" LOUDSPEAKER, 10 OZ. CERAMIC MAGNET. 47-20kHz FREQUENCY RANGE, 15 WATTS RMS RATING, 120 DEGREE COVERAGE ANGLE. 70V TRANSFORMER TAPS 5W, 2W,	
	1W, 0.5W, 0.25W INCLUDES SPEAKER BACKBOX, BAFFLE AND WHITE STEEL GRILL. PROVIDE A SPEAKER SUPPORT BRIDGE FOR LAY-IN CEILINGS. SUBSCRIPT INDICATED PAGING ZONE.	
SC-EM-1	EMERGENCY INTERCOM STATION. VANDAL RESISTANT EMERGENCY POWER. LIGHT/STROBE INSTALLED IN ACRYLIC	*
	HOUSING LED LIGHTING FOR FACEPLATE. STEEL WITH MULTI-COAT RUST INHIBITIVE COATING. STROBE - 1.5 MILLION CANDLE POWER. 20 FLASHES PER SECOND. BLUE LIGHT - 7 WATT HIGH EFFICIENCY, 10,000 HOUR COMPACT	
	FLUORESCENT. COLOR AND LETTERING TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION. PROVIDE WITH	
	CAMERA DOME AT THE TOP OF THE TOWER. IP-SUBSTATION. ONE BUTTON CALL INTEGRATED WEB SERVER. REMOTE SOFTWARE UPGRADEABLE AND MONITORING, WIDE BANDWIDTH FOR AUDIO, VANDAL RESISTANT.	
SC-ER-1	STANDARD 19" EQUIPMENT RACK, 84"H X 19"W X 3"D, FEATURING PASS-THRU HOLES ON FRONT AND SIDES FOR CABLE	*
	MANAGEMENT, DURABLE BLACK POWDER COAT FINISH, MEETS EIA-310-E REQUIREMENT AND PROVIDES (45) 19" X 1.75" MOUNTING SPACES.	
	PROVIDE WITH TOP CENTER WATERFALL, TOP CHANNEL PATHWAY FOR LADDER RACK, AND ANY ADDITIONAL HARDWARE	
	FOR COMPLETE INSTALLATION. REFER TO SPCIFICATIONS SECTION 27 11 00 FOR ADDITIONAL INFORMATION.	
SC-FDC-1	OPTICAL FIBER DISTRIBUTION CABINET. , 96 FIBER MINIMUM CAPACITY, FRONT LOCKING DOOR, SLIDE OUT RAILS TO FACILITATE FRONT ACCESS, JUMPER THROUGHS IN CONNECTOR PANELS TO REDUCE MOUNTING SPACE. REQUIRES	*
	FOUR (4) 19" X 1.75" RACK MOUNTING SPACES.	
	PROVIDE WITH CLAMP AND GROUNDING KIT, COUPLING PANELS, [ST][SC][FC][MT-RJ][LC][HIGH DENSITY] CONNECTOR, COUPLINGS AND JUMPERS, REFER TO SPECIFICATIONS SECTION 27 11 00 FOR ADDITIONAL INFORMATION.	
SC-GND-2	HORIZONTAL RACK GROUND BUSBAR. 19" RACK MOUNT. EIGHT (8) 6-32 UNF LUG MOUNTING HOLES. PROVIDE WITH	*
C-GND-W	INSULATORS, MOUNTING HARDWARE AND LUG MOUNTING HARDWARE. WALL-MOUNT GROUND BAR. 4" H X 12" L X 1/4" D COPPER, ELECTRICALLY ISOLATED BY INSULATORS INTEGRAL TO	*
G-GIND-VV	MOUNTING BRACKETS. COPPER GROUND BAR IS 1/4" THICK AND STAND OFF 2.75" FROM WALL. THE 12" BUSBAR PROVIDES	
	CONNECTION FOR NINE LUGS RESPECTIVELY WITH 3/4" OR 1" OR 1-3/4" CENTERS. ANSI/EIA/TIA-607 AND BICSI COMPLIANT. UL LISTED.	
	REFER TO 1/T501 FOR ADDITIONAL INFORMATION.	
C-HWM-1	HORIZONTAL WIRE MANAGEMENT, 1.5" X 3" PRE-ASSEMBLED D-RINGS ON FRONT, 1.5" X 5" PRE-ASSEMBLED D-RINGS ON	*
	REAR. PROVIDE WITH COVER. REQUIRES (1) 1.75" MOUNTING SPACE	
SC-IO-C	INFORMATION OUTLET, CEILING MOUNT, 2-PORT COVERPLATE AS INDICATED ON DRAWINGS, SEE INFORMATION OUTLET DETAILS T000 FOR PIN CONFIGURATION. " # " INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS	*
	INDICATED ON THE PLANS. SEE INFORMATION OUTLET SCHEUDLE T000.	
	INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT	
	CONDUIT 6" BEYOND BOX AND TERMINATE WITH A NYLON BUSHING. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS.	
SC-IO-F	INFORMATION OUTLET, FLOOR MOUNT, INSTALLED IN E.C. PROVIDED AND INSTALLED FLOOR BOX. COVERPLATE AS INDICATED ON DRAWINGS, SEE INFORMATION OUTLET DETAILS T000 FOR PIN CONFIGURATION. "#" INDICATES	*
	INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. SEE INFORMATION OUTLET SCHEUDLE	
	Тооо.	
	INSTALL A 1" EMT CONDUIT FOR DATA CABLING FROM FLOOR BOX TO ABOVE ACCESSIBLE CEILING SPACE PROVIDE WITH NYLON BUSHING.	
SC-IO-W	INFORMATION OUTLET, WALL MOUNT, COVERPLATE AS INDICATED ON DRAWINGS, SEE INFORMATION OUTLET DETAILS	*
	T000 FOR PIN CONFIGURATION. "#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. SEE INFORMATION OUTLET SCHEUDLE T000.	
	INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT	
	CONDUIT TO ABOVE ACCESSIBLE CEILING SPANCE, PROVIDE WITH A NYLON BUSHING. PROVIDE REMOVABLE BLANK	
SC-MPP-1	INSERTS FOR UNUSED PORTS. MODULAR PATCH PANEL, 48 MODULAR RJ-45 TERMINATIONS, MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" RELAY RACK,	*
· • ···· · ·	PORT IDENTIFICATION NUMBERS, PROVIDED WITH COLOR CODING AND LABEL HOLDER KITS, U.L. LISTED. REQUIRES (2)	
SC-RD-1	1.75" MOUNTING SPACES. CABLE RUNWAY RADIUS DROP. ATTACHES TO SIDE OF RUNWAY, 3" BEND RADIUS. PROVIDE WITH 1-1/2" CABLE SPOOLS	*
	TO SEPARATE AND GUIDE CABLES.	*
SC-TTB	TELECOMMUNICATIONS TERMINAL BOARD, 4' X 8' X 3/4" A-C GRADE FIRE-RATED PLYWOOD. EXPOSED SIDE SHALL BE SMOOTH. MOUNT VERTICALLY WITH TOP OF PLYWOOD AT 8'6" A.F.F.	
SC-VPP-1	VOICE PATCH PANEL, 110-TYPE 100-PAIR, PROVIDE WITH MOUNTING BLOCKS, CONNECTING BLOCKS, HORIZONTAL	*
	JUMPER TROUGHS, DUCT ASSEMBLIES, HARDWARE, LABEL HOLDERS, AND BLANK INSERTS, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALSO PROVIDE WITH 110-TYPE PATCH PANEL SYSTEM BACKBOARD.	
C-VWM-1	VERTICAL WIRE MANAGER, 7'H X 6"W X 12.5"D. REMOVABLE FRONT COVER HINGES ON LEFT OR RIGHT. SPOOLS FOR INTEGRAL BEND RADIUS CONTROL.	*
C-WAP-C	INFORMATION OUTLET, CEILING MOUNT, 2-PORT, COVERPLATE AS INDICATED ON DRAWINGS, INTENDED TO PROVIDE	*
-	CONNECTIVITY FOR FUTURE WIRELESS ACCESS POINT. REFER TO DRAWING T000 FOR INFORMATION OUTLET SCHEDULE.	
	INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING, MOUNT TO CLOSEST STRUCTURAL ELEMENT (EX. COLUMN). INSTALL A DELUXE CORD GRIP FOR STRAIN RELIEF ON UTP CABLE. PROVIDE 20'	
	COIL OF UTP CABLE AT WIRELESS OUTLET LOCATION. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS.	*
SC-WP-W	INFORMATION OUTLET, WALL PHONE OUTLET, 1-PORT COVERPLATE AS INDICATED ON DRAWINGS AND INFORMATION OUTLET SCHEDULE, REFER TO T000 FOR PIN CONFIGURATION INFORMATION.	
	W "PROVIDE (1) RJ-45 JACK FOR VOICE AT +48" AFF FOR WALL HUNG PHONE. PROVIDE WITH STAINLESS STEEL	
	FACEPLATE, MATING LUGS. REFER TO T000 FOR ADDITIONAL INFORMATION.	
	INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT	
	CONDUIT TO %COND% OR UNLESS OTHERWISE NOTED. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS.	I I

SIATES,	Drawing Title SCHEDULES - TEHCNOLOGY	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER		Project Num 549-130 Building Nur	
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