



285 SE Inner Loop
Suite 110
Georgetown, TX 78626
TEL 512.485.0020
FAX 512.485.0021
www.GarverUSA.com

DATE: May 7, 2024

TO: Mr. Mike Wilson
Killeen-Fort Hood Regional Airport
8101 Clear Creek Rd, Box C
Killeen, Texas 76549

PROJECT: GRK Corporate Hangar Phase II
AIP # 3-48-0361-050-2022

DESCRIPTION OF CHANGES TO THE CONTRACT:

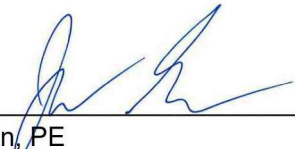
Change Order No. 002 makes the following changes, see attached for detailed terms of the change order.

- A. Owner requested 2nd floor building finish-out (approximately 1,862 Square Feet) including: 2nd floor stairwell, Mechanical room with MEP / HVAC work, Electrical / IT room with electrical work throughout the space (lighting, receptacles and data/phone), Restroom with plumbing, and Drinking Fountains. The attached Drawings and Narratives with this change order shall become part of the contract documents. Drawings are expected to be updated at the completion of permitting with the City of Killeen for signed and sealed Issued for Construction drawings. Minor changes are expected during permitting and will be included at no cost.

Justification:

These changes are requested by the Owner to finish out the 2nd Floor of the hangar and office space currently under construction so it can be usable by the future tenant.

1) Original Contract Sum	\$	5,335,019.32
2) Net Changes by previously approved Change Orders	\$	-323.67
3) Current Contract Amount (1+2)	\$	5,334,695.65
4) Total Change Order No. 002	\$	330,585.16
5) New Contract Sum (3+4)	\$	5,665,280.81
6) Increase/Decrease to Contract Amount		+6.19%
7) Original Contract Time		275 Calendar Days
Net Time Changes by Previously Approved Change Orders		0 Calendar Days
Time Extension For Change Order #002		75 Calendar Days
New Contract Time		350 Calendar Days

Signature/Date: 
Jacob Green, PE
Project Manager

Attachments: Construction Contract Change Order No. 2

Construction Contract Change Order

Project: GRK Corporate Hangar Phase II City of Killeen Bid No. 23-06 Killeen-Fort Hood Regional Airport FAA AIP No. 3-48-0361-050-2022 Garver Project No. 21A06081						Change Order No. 2 Date Prepared: May 6, 2024 Prepared by: Jacob Green, PE													
Owner: City of Killeen 8101 Clear Creek Rd, Box C Killeen, Texas 76549						Contractor: National American Services Corp (NASCO) 53285 Silver Valley Road Kellogg, ID 83837													
Description of Work Included in Contract The construction of a new hangar building with office space along with access road, utility services, and associated improvements. Items of work include site work, construction of hangar building, interior office framing and finish out, 2nd floor structure over office space for future expansion, installation of hangar bay wet pipe sprinkler system, and hangar bay extension.																			
Changes and Reasons Ordered (List Individual Changes as: A, B, C, D, etc.) Owner requested 2nd floor building finish-out (approximately 1,862 Square Feet) including: 2nd floor stairwell, Mechanical room with MEP/HVAC work, Electrical/IT room with electrical work throughout the space (lighting, receptacles and data/phone), Restroom with plumbing, and Drinking Fountains. The attached Drawings and Narratives with this change order shall become part of the contract documents. Drawings are expected to be updated at the completion of permitting with the City of Killeen for signed and sealed Issued for Construction drawings. Minor changes are expected during permitting and will be included at no cost. Contractor shall notify engineer a minimum of 4 weeks prior to affected work to allow engineer a minimum 2 weeks to provide finalized drawings ahead of Contractor layout. Attachments: Item A Schedule of Values, 2nd Floor Stairwell and Finish Out Drawings, and Narratives																			
Contract Changes	Bid Item No.	Spec No.	Bid Item Description	Unit of Measure	Current Contract Quantity	Contract Unit Price	Revised Contract Quantity	Revised Unit Price	Original Contract Cost	Revised Contract Cost	Net Cost for this Change Order								
A.	AA2-CO2-01	OFFICES	2ND FLOOR STAIRWELL AND FINISH OUT	LS	0	\$0.00	1	\$330,585.16	\$0.00	\$330,585.16	\$330,585.16								
Summation of Cost									\$0.00	\$330,585.16	\$330,585.16								
Estimated Project Cost <table style="width: 100%;"> <tr> <td style="width: 60%;">Original Contract Amount</td> <td style="text-align: right;">\$5,335,019.32</td> </tr> <tr> <td>Previously Approved Changes</td> <td style="text-align: right;">(\$323.67)</td> </tr> <tr> <td>This Change Order</td> <td style="text-align: right;">\$330,585.16</td> </tr> <tr> <td>New Contract Amount</td> <td style="text-align: right;">\$5,665,280.81</td> </tr> </table>						Original Contract Amount	\$5,335,019.32	Previously Approved Changes	(\$323.67)	This Change Order	\$330,585.16	New Contract Amount	\$5,665,280.81	Time Change Contract Start Date July 24, 2023 Original Contract Time (calendar days) 275 Previously Approved Changes (calendar days) 0 Additional Contract Time This Change Order (calendar days) 75 Suspended Time (calendar days) New Construction Completion Date July 8, 2024					
Original Contract Amount	\$5,335,019.32																		
Previously Approved Changes	(\$323.67)																		
This Change Order	\$330,585.16																		
New Contract Amount	\$5,665,280.81																		
THIS AGREEMENT IS SUBJECT TO ALL ORIGINAL CONTRACT PROVISIONS AND PREVIOUS CHANGE ORDERS																			
ISSUED FOR REASONS INDICATED ABOVE Engineer: Garver				 Engineer's Signature				Project Manager Title _____ Date 05/07/2024											
ACCEPTED BY CONTRACTOR				 Don Dye Contractor's Signature				Regional Operations Manager Title _____ Date 05/08/2024											
APPROVED BY OWNER				Kent Cagle Owner's Signature				City Manager Title _____ Date _____											



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Item A Schedule of Values

Contract Changes	Item of Work Description	Unit of Measure	Contract Quantity	Contract Cost					
A	Anchor Bolts and Epoxy	L.S.	1	\$680.00					
	Steel Stairs	L.S.	1	\$32,535.00					
	Metal Studs, Insulation, & Drywall	L.S.	1	\$20,208.00					
	Tape, Bed, Float & Paint	L.S.	1	\$6,050.00					
	Acoustical Ceilings	L.S.	1	\$12,702.50					
	Door Frames, Doors, Hardware, & Div 10 Install	L.S.	1	\$20,122.56					
	Tile	L.S.	1	\$3,200.00					
	Plumbing	L.S.	1	\$12,500.00					
	Electrical	L.S.	1	\$89,873.00					
	Seal Floors	L.S.	1	\$4,715.00					
	Wood Blocking	L.S.	1	\$1,275.00					
	Concrete for Stair Pans & Landings	L.S.	1	\$3,350.00					
	Cut in Exterior Door - Bottom of Stairs	L.S.	1	\$750.00					
	Signage	L.S.	1	\$400.00					
	HVAC	L.S.	1	\$60,044.00					
	Bracing of Walls	L.S.	1	\$1,600.00					
	Fire Caulking at Bracing	L.S.	1	\$480.00					
	Window Blinds	L.S.	1	\$2,410.92					
	Rubber Base	L.S.	1	\$1,777.00					
	Liner Panel at Stairwell Turn Back	L.S.	1	\$275.00					
	Window Sills	L.S.	1	\$3,500.00					
	Test and Balance	L.S.	1	\$1,360.00					
	Cut in Exterior L7 Louver	L.S.	1	\$600.00					
Subtotal				\$280,407.98					
General Conditions		3.50%	\$9,814.28	\$290,222.26					
Labor Burden			\$1,800.40	\$292,022.66					
Overhead		5.00%	\$14,601.13	\$306,623.79					
Profit		5.00%	\$15,331.19	\$321,954.98					
Liability Insurance		1.50%	\$4,829.32	\$326,784.31					
Builders Risk		0.42%	\$1,372.49	\$328,156.80					
Payment & Performance Bonds		0.74%	\$2,428.36	\$330,585.16					
Summation of Cost				\$330,585.16					

Change Order 2: Narrative to Accompany 2nd Floor Stairwell and Finish Out Drawings

21A06081 - KFHR MAP II Hangar – Second Floor Finish-Out

ARCHITECTURAL NARRATIVE:

This project is a finish-out of the 1,862 sf second floor space consisting of one unisex accessible restroom, one mechanical room, one electrical / IT room, one stair encased in 1-hour fire rated walls, and interior finishes for the finish-out.

RESTROOM (ARCHTECTURE WORK ONLY):

The unisex restroom walls will consist of two walls with 5/8" gypsum board on both sides of 3-5/8" metal studs and one 6" metal stud wet wall, all walls to include acoustic batt insulation and start at the second floor and extend to the underside of the roof structure above to reduce smells and noise from transferring to the rest of the floor. All interior restroom walls will have tile along with a tiled floor to match the first floor restroom, the exposed gypsum board will be taped, floated, and painted. The restroom will have an acoustic lay-in ceiling tile / grid system to match the first floor restrooms.

The restroom will have one floor mounted flush valve toilet, accessible horizontal / vertical grab bars, one wall mounted lavatory with insulated pipe protection, one toilet paper dispenser to match the first floor restrooms, one paper towel dispenser with receptacle to match the first floor restrooms, one soap dispenser to match the first floor restrooms, one robe hook to match the first floor restrooms, and one wall mounted mirror to match the first floor restrooms.

There is one wood, stained door in painted metal frame (to match the first floor restroom door/frame) into the restroom with door hardware to match that of the first floor restrooms.

MECHANICAL / ELECTRICAL / IT ROOMS (ARCHTECTURE WORK ONLY):

There will be one mechanical room and one electrical room with 5/8" gypsum board on both sides of 3-5/8" metal studs, all walls to include acoustic batt insulation and start at the second floor and extend to the underside of the roof structure above for security and to reduce noise. The walls will be taped, floated, and painted both sides.

There is one each wood, stained door in painted metal frame (to match the first floor Electrical/IT room doors/frames) into the new Mechanical and Electrical/IT rooms with door hardware to match that of the first floor Electrical/IT room door hardware.

The floor finish will be sealed concrete with base.

Change Order 2: Narrative to Accompany 2nd Floor Stairwell and Finish Out Drawings

OPEN OFFICE (ARCHITECTURE WORK ONLY):

The existing exterior walls of the second floor will receive one layer of 5/8" gypsum board, taped, floated, and painted to 6" above the lay-in ceiling.

All existing second floor windows will have window treatments, similar to the first floor.

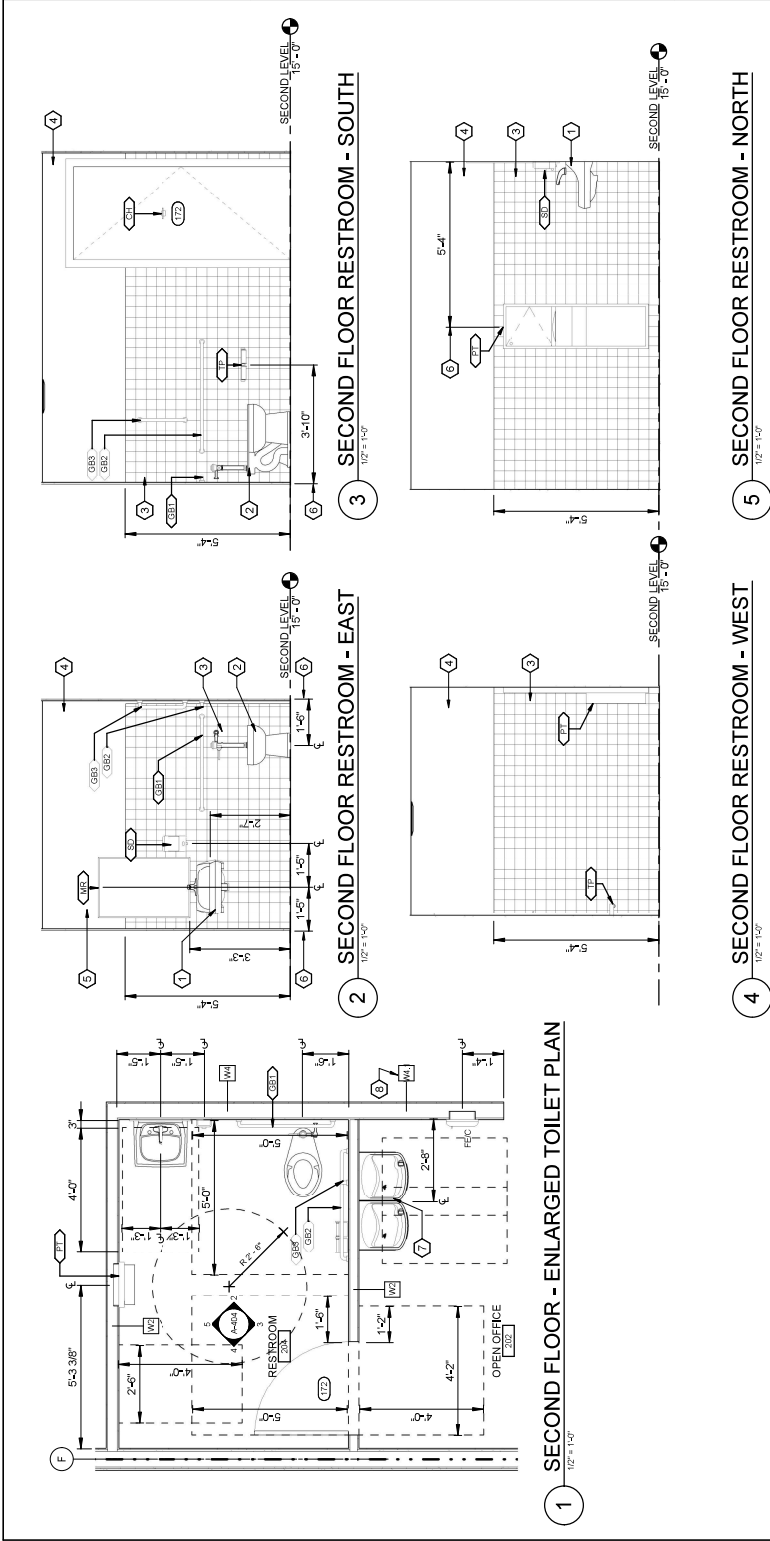
The finish floor will be sealed concrete.

STAIR:

There is one stair (that will be delegated design by the Stair Subcontractor) starting from the first floor with insulated metal door and frame (painted) located in the exterior South PEMB wall, provided needed girts for stability along with door hardware to match existing exterior door 114A, including the card reader infrastructure for Client provided and installed card reader.

The stair construction consists of steel pan concrete treads, steel risers, one intermediate landing (required by code), one second floor landing and 1-1/2" diameter handrails (both sides of stair) including brackets and inner wall bracing for support all to be painted. The door at the top of the stair will be a 90 minute fire rated wood door and frame with door hardware to match the existing first floor door 101C.

The stair will be enclosed in 1-hour fire rated walls with 6" metal studs and 5/8" type 'X' gypsum board on both sides and 6" acoustic insulation from floor to roof structure above with all penetrations and joints fire sealed, tape, floated, and painted on both sides of the interior and exterior walls. The hangar side walls will be clad with a linear metal wall panel to match the existing at the hangar floor with the top to match the existing interior linear metal wall panel height.



ROOM FINISH SCHEDULE - LEVEL 2													
ROOM NO.	ROOM NAME	FLOOR FINISH	WALL BASE	(PLAN) NORTH WALL		(PLAN) EAST WALL		(PLAN) WEST WALL		CEILING		ROOM NO.	REMARKS
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	FIN	HEIGHT		
201	STAR	CS	BS-1	GWB	Pt-1	GWB	Pt-1	GWB	Pt-1	AC-1	9'-0"		
202	OPEN OFFICE	CS	BS-1	GWB	Pt-1	GWB	Pt-1	GWB	Pt-1	AC-1	9'-0"		
203	ELEGANT	CS	RB-1	GWB	Pt-1	GWB	Pt-1	GWB	Pt-1	EXPOSED	N/A	203	
204	RESTROOM	Pt-1	TB-1	GWB	Pt-1	GWB	Pt-1	GWB	Pt-1	AC-1	8'-0"	204	
205	MECH.	CS	RB-1	GWB	Pt-1	GWB	Pt-1	GWB	FRP-1	FRP-1	EXPOSED	N/A	205

Change Order 2: Narrative to Accompany 2nd Floor
Stairwell and Finish Out Drawings

21A06081 – KFHRA MAP II HANGAR – 2nd FLOOR FINISH OUT

Fire Protection Narrative:

Fire sprinklers should be modified from upright heads at the ceiling deck to semi-recess heads at the drop ceiling.

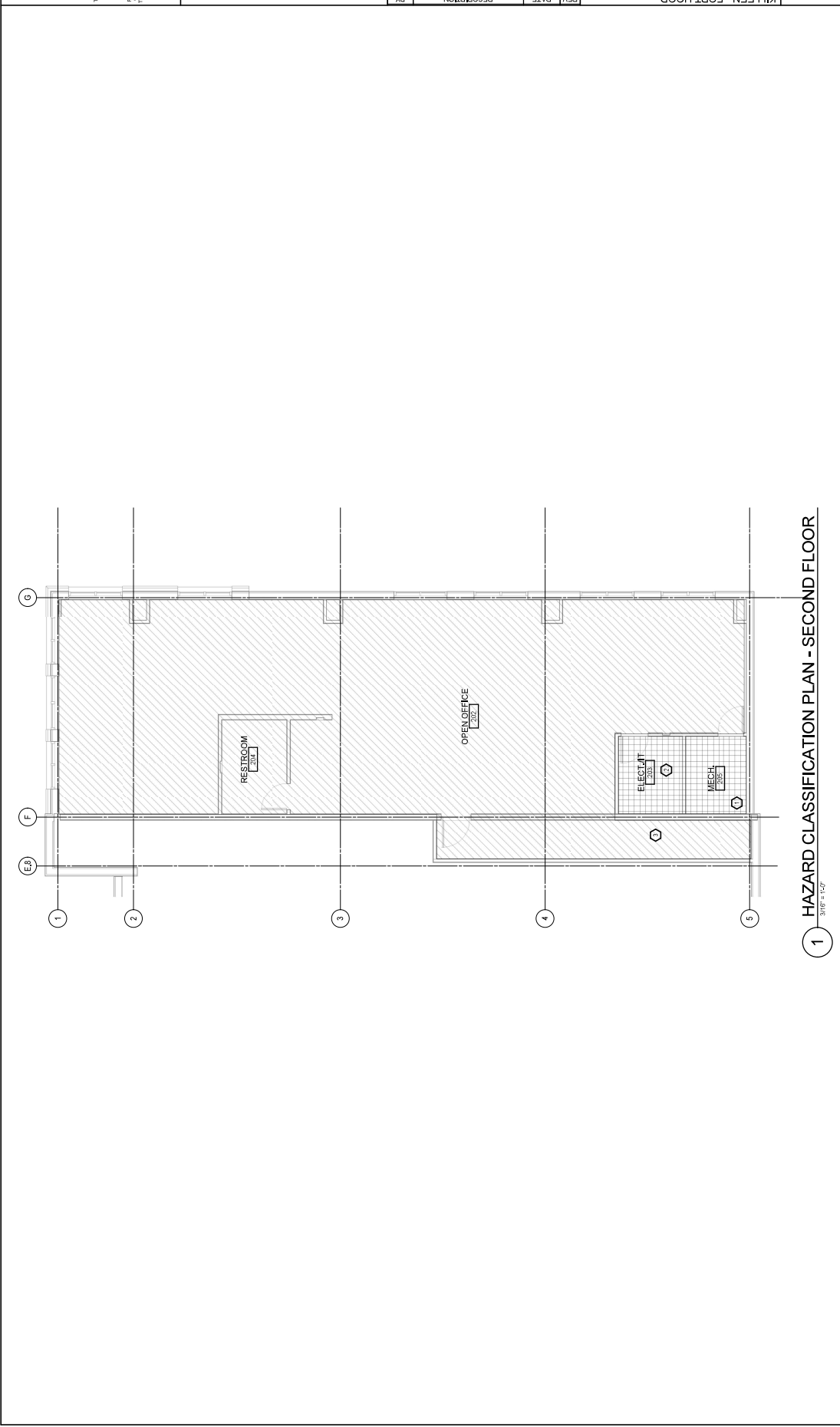
Fire alarm devices will need to be added to provide coverage of the 2nd floor. It is estimated that 4x horn/strobes, a single strobe, and a single pull station be added.

REV	DATE	DESCRIPTION	BY
-	02/02/23	ISSUED FOR CONSTRUCTION	JOG

KILLEEN - FORT HOOD
REGIONAL AIRPORT
KILLEEN, TX
CORPORATE HANGAR PHASE II

HAZARD
CLASSIFICATION
PLAN - 2ND FLOOR

JOB NO.: 21A06081
DATE: 03/25/2024
DESIGNED BY: JBK
DRAWN BY: JBK
SCALE: 3/16" = 1'-0"
DRAWING NUMBER
FX-102
SHEET
NUMBER



GENERAL NOTES

1. PROVIDE A WATER SPRINKLER SYSTEM IN THE AREAS INDICATED IN ACCORDANCE WITH NFPA 13 (2019) AND THE CITY OF KILLEEN.

2. ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CEILING OF THE AREAS INDICATED.

3. SPRINKLER PIPING IN ELECTRICAL AREAS (ELECTRICAL ROOMS AND TELECOMMUNICATION ROOMS) SHALL BE AVOIDED, SIDE WALL HEADS WITH GUARDS SHOULD BE USED.

LEGEND

HANGAR

DESIGN DENSITY: 0.17 GPM / SF
DESIGN AREA: 5,000 SF
HYDRANT FLOW: 500 GPM
• HANGAR SHALL BE DESIGNED PER NFPA 409

LIGHT HAZARD

DESIGN DENSITY: 0.1 GPM / SF
DESIGN AREA: 1,500 SF
HYDRANT FLOW: 100 GPM
• AREA REDUCTION PER NFPA 13 IS ACCEPTABLE

ORDINARY HAZARD GROUP I

DESIGN DENSITY: 0.15 GPM / SF
DESIGN AREA: 1,500 SF
HYDRANT FLOW: 200 GPM
• AREA REDUCTION PER NFPA 13 IS ACCEPTABLE

KEYNOTE LEGEND

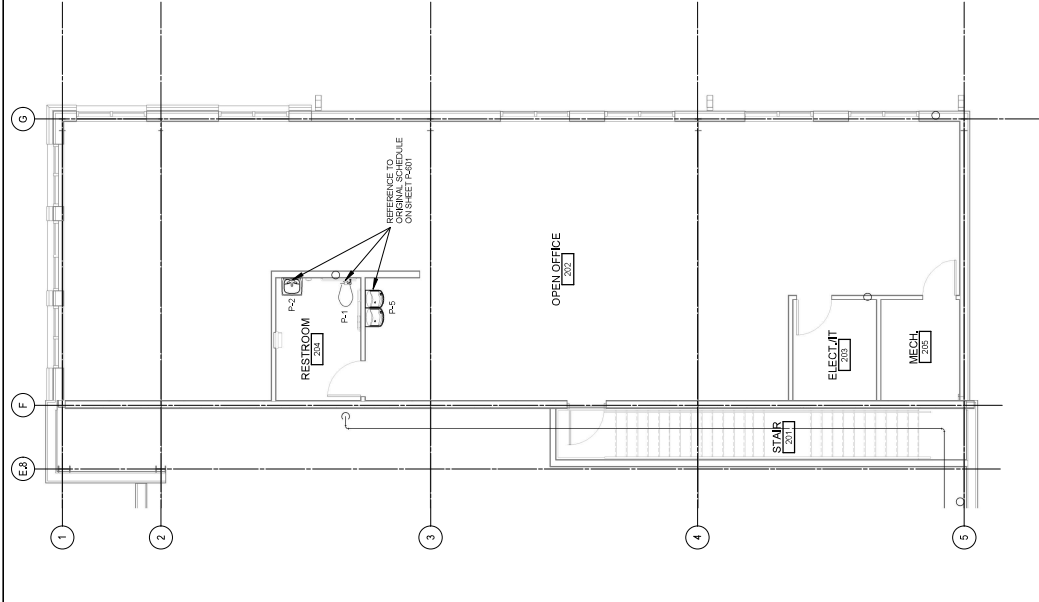
① LOCATION OF SPRINKLER RISER FROM LOWER LEVEL

② SPRINKLER PIPING SHALL BE SHOWN IN ELECTRICAL ROOM. SIDE WALL HEAD SHALL BE UTILIZED.

③ UTILIZE SIDEWALL HEADS FOR STAIRS PROTECTION.

BAR SCALE

0 2 4 6 8 10 12 14 16
SCALE: 3/16" = 1'-0"



1 PLUMBING INSTALLATION PLAN - SECOND FLOOR
3/16" = 1'-0"

GENERAL NOTES

○ KEYNOTE LEGEND

BAR SCALE, KEY PLAN & STAMP





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REV.	DATE	DESCRIPTION	BY
1	02/24/23	ISSUED FOR CONSTRUCTION	JOG



KILLEEN - FORT HOOD
REGIONAL AIRPORT
KILLEEN, TX
CORPORATE HANGAR PHASE II

PLUMBING
INSTALLATION PLAN -
SECOND FLOOR

JOB NO.: 21A06081
DATE: 03/25/2024
DESIGNED BY: JBK
DRAWN BY: PCA

DO NOT SCALE DIMENSIONS
ON THIS DRAWING
ALL DIMENSIONS SHALL BE
AS SHOWN UNLESS OTHERWISE
NOTED

DRAWING NUMBER
P-103

SHEET
NUMBER

SHEET
NUMBER



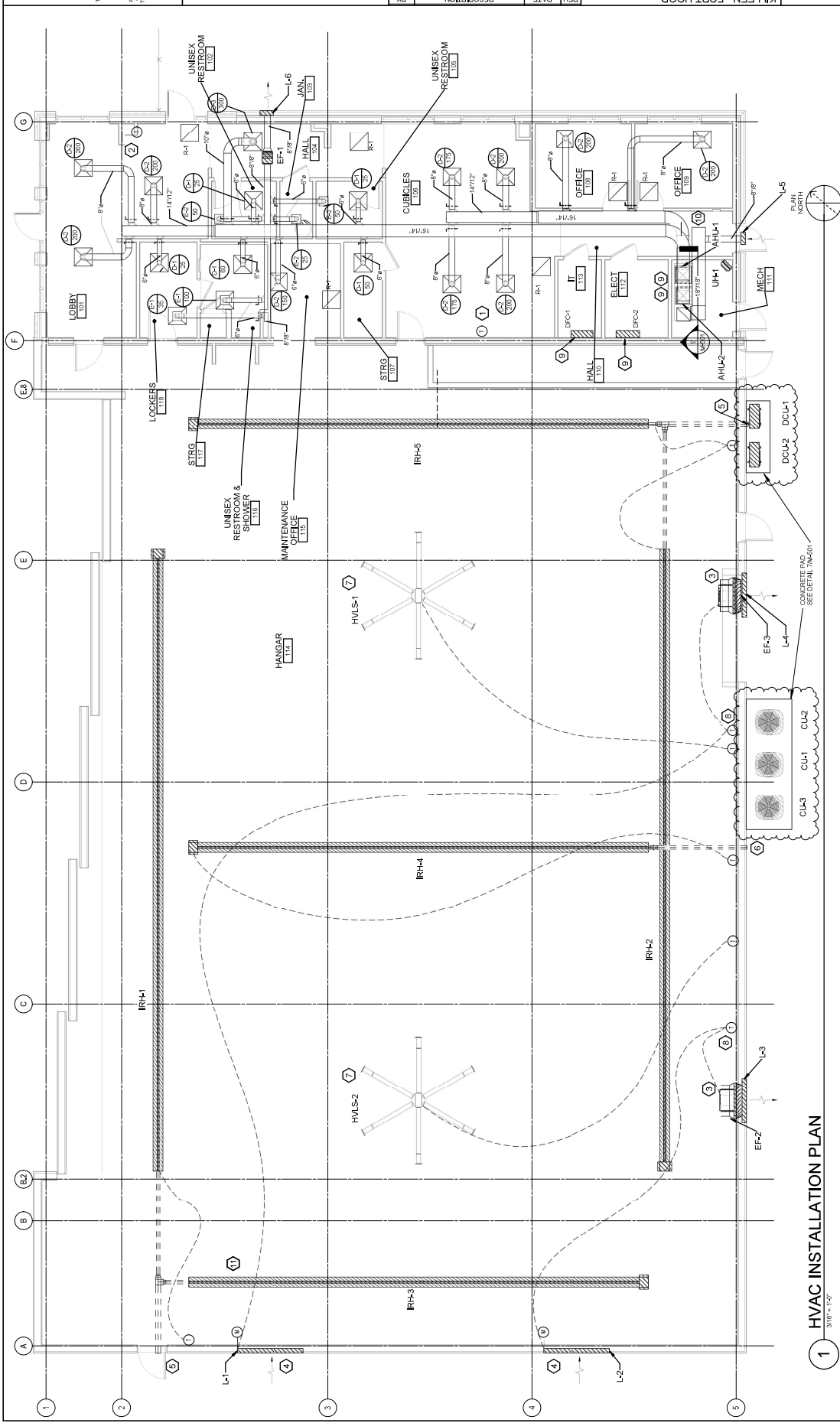
BY	DATE	REV
GMA	20/02/24	1
DESCRIPTION	ISSUED FOR CONSTRUCTION	



KILLEEN - FORT HOOD
REGIONAL AIRPORT
KILLEEN, TX

HVAC INSTALLATION
PLAN

JOB NO.	21A06081
DATE	03/25/2024
DESIGNED BY	JBK
DRAWN BY	PCA
SCALE	3/16" = 1'-0"
DRAWING NUMBER	M-101
SHEET NUMBER	92



1 HVAC INSTALLATION PLAN
3/16" = 1'-0"

GENERAL NOTES

- KEYNOTE LEGEND
- 1 ROUTE THERMOSTAT TO AHU-1.
 - 2 ROUTE THERMOSTAT TO AHU-2.
 - 3 ROUTE CONDENSATE TO CONDENSATE FUNNEL IN MECHANICAL ROOM.
 - 4 18X18 OPEN RETURN ABOVE CEILING. COVER WITH 1/2" MESH.
 - 5 6" COMMON VENT FLUE THROUGH WALL.
 - 6 4" VENT FLUE TO WALL.

- BAR SCALE, KEY PLAN & STAMP
- 7 MOUNT BOTTOM OF HANGAR FAN 27-0 A/F.
 - 8 COORDINATE WITH ELECTRICAL CONTRACTOR ROUTING OF LOUVER/CONTROL WIRING.
 - 9 ROUTE CONDENSATE TO CONDENSATE FUNNEL IN MECHANICAL ROOM.
 - 10 18X18 OPEN RETURN ABOVE CEILING. COVER WITH 1/2" MESH.

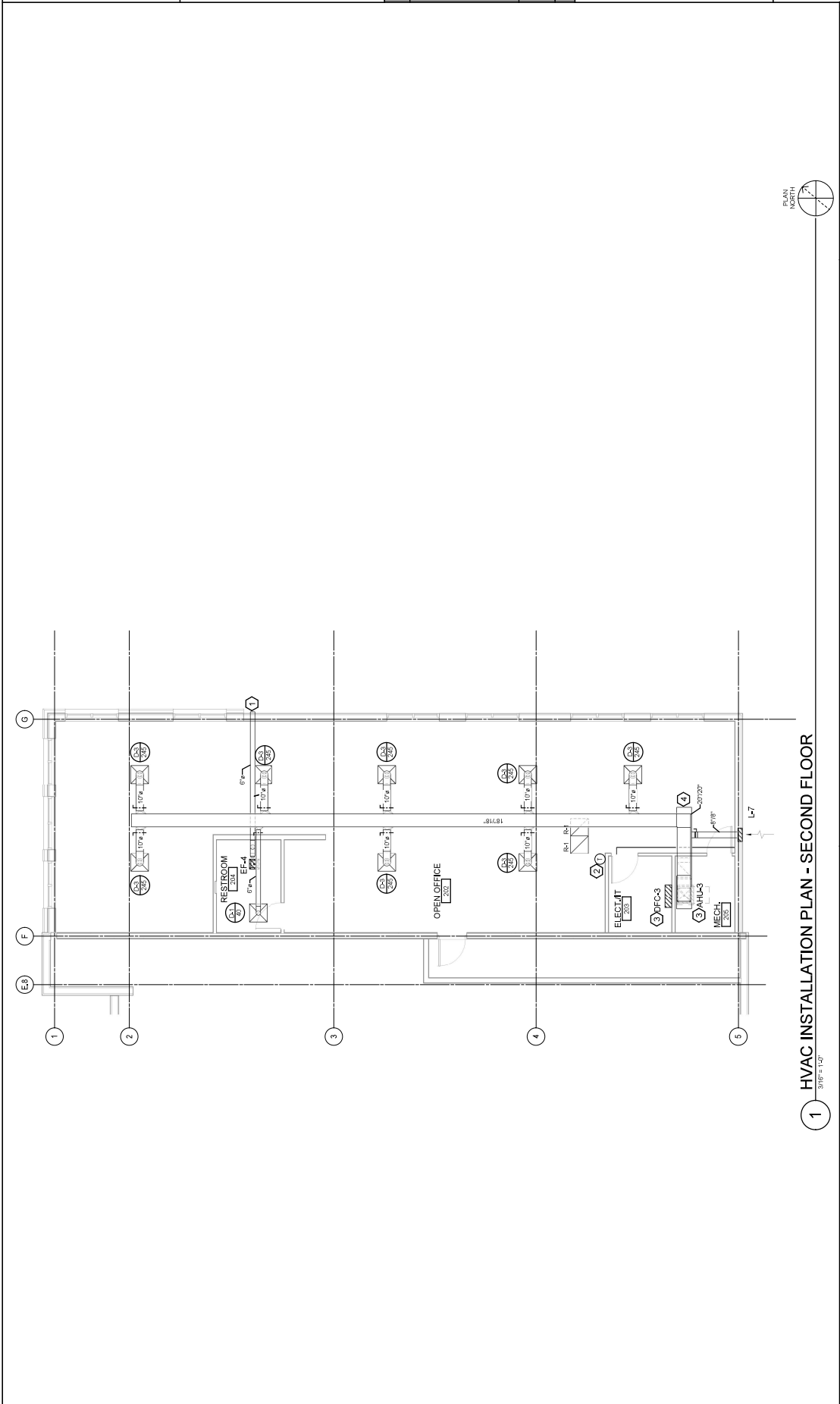


REV	DATE	DESCRIPTION	BY
1	20/04/23	ISSUED FOR CONSTRUCTION	JOG

K Kleen - Fort Hood
Regional Airport
KLEEN, TX
CORPORATE HANGAR PHASE II

HVAC INSTALLATION
PLAN - SECOND
FLOOR

JOB NO. 21A06081
DATE: 03/25/2024
DESIGNED BY: JBK
DRAWN BY: PCA
SCALE: 3/16" = 1'-0"
DRAWING NUMBER
M-102
SHEET
NUMBER



1 HVAC INSTALLATION PLAN - SECOND FLOOR
3/16" = 1'-0"

GENERAL NOTES

KEYNOTE LEGEND

BAR SCALE, KEY PLAN & STAMP

1 INSTALL WALL CAP.
2 ROUTE THERMOSTAT TO AHU-3.
3 ROUTE CONDENSATE TO CONDENSATE FUNNEL IN MECHANICAL ROOM 111.
4 20X20 OPEN RETURN ABOVE CEILING. COVER WITH 1/2" MESH.

0 2' 4' 6' 8' 10' 12'

SCALE: 3/16" = 1'-0"

Change Order 2: Narrative to Accompany 2nd Floor Stairwell and Finish Out Drawings

21A06081 – KFHRA MAP II Hanger – Second Floor Finish-Out

Electrical Narrative:

A new 208V/1PH 100A MCB panel L3A fed from H1A in the first floor electrical room will be added to the second floor electrical room. This panel will feed all the second floor receptacles. Panel H1B will feed the second floor lighting. The new HVAC equipment will be fed from panel L2A including new disconnects and wiring. The second floor space will have receptacles and data/phone approximately every 6 feet. New lighting will match the first floor lighting with 2x4s, occupancy sensors, multi scene lighting switches, emergency battery backup ballasts and night lighting. The stair well will have three surface mounted 1x4 lights. New exit signs will be added.

Fixture types:

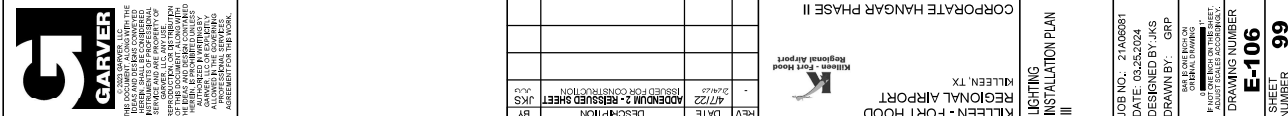
A2: 2x4 LED Troffer Lithonia 2RTL4-48L-EZ1-LP835

A2E: 2x4 LED Troffer with battery back up Lithonia 2RTL4-48L-EZ1-LP835-EL14L

A5E: 4' LED Linear Fixture Lithonia ZL1N-L48-5000LM-FST-MVOLT-35K-80CRI-WH

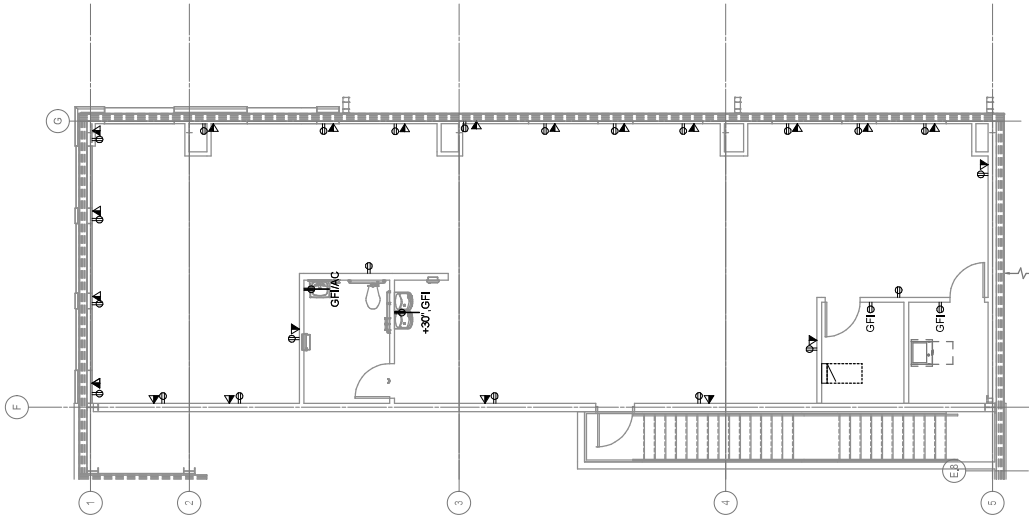
A10: 1x4 LED Wrap Lithonia SBL4-4000LM-80-35K-NODIM-MVOLT-E10WLCP

Exit Sign: Ceiling Mount Edge Lit Exit Sign EXRG EL M6



GENERAL NOTES

1. ALL CIRCUITS TO BE FED FROM PANEL L14, UNLESS NOTED OTHERWISE.
2. PROPERLY RE-SEAL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS TO MAINTAIN FIRE-RATING. ALL PENETRATIONS SHALL BE SEaled WITH LOCAL FIRE MARSHAL APPROVED FIRESTOPPING. PROVIDE PROPERLY DETAILLED PENETRATIONS TO MAINTAIN FIRE MARSHAL PRIOR TO INSPECTION. DO NOT MIX PRODUCTS BETWEEN MANUFACTURED ASSEMBLIES.
3. PROVIDE PLASTIC BUSHINGS ON EXPOSED ENDS OF CONDUITS AND SLEEVES, WHETHER VISIBLE OR NOT.
5. MOUNT TGB* GROUNDING BUS BAR AT 7'-0" AFF.
5. MOUNT EGB* GROUNDING BUS BAR AT 18" AFF.
6. TELECOMMUNICATION ROOM LAYOUTS ARE SHOWN AS CONCEPTUAL IN NATURE. VIEW IS INTENDED TO INDICATE DESIRED ROOM LAYOUT AND EQUIPMENT LOCATIONS.
7. ALL FLOOR CUTTING SHALL BE COORDINATED WITH STRUCTURAL ENGINEER AND GENERAL CONTRACTOR.
8. COORDINATE TELECOM PATHWAYS WITH OTHER CONDUITS.
9. REGARDLESS OF PATHWAY TYPE, ALL CABLING SHALL BE SUPPORTED AT 5'-0" MAXIMUM INTERVALS.
10. UNLESS OTHERWISE NOTED, TELECOM CABLE PATHWAY WITHIN ROOMS TO RUN PARALLEL WITH WALLS.
11. PROVIDE PROPER BONDING AND GROUNDING OF HORIZONTAL PATHWAYS IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES AND STANDARDS, AND ANSI/TIA/EIA-607.
12. UNLESS OTHERWISE NOTED, ALL TELECOM CONDUITS SHALL BE 1" IN SIZE.
13. ALL ELECTRICAL/TELECOM PATHWAYS IN CONCRETE FLOOR SLAB SHALL BE R.M.C. COMPLIANT. CONDUIT RUNS SHALL NOT EXCEED 100 CONTINUOUS FEET, FOR RUNS IN EXCESS OF 100 FEET, INSERT AN ACCESSIBLE PULL BOX.
15. MAINTAIN PROPER CONDUIT BEND RADIUS IN ACCORDANCE WITH ANSI/TIA/EIA-568-A. FOR ALL TELECOM INTERNAL CONDUIT, MAINTAIN A BEND RADIUS OF AT LEAST 6 TIMES THE INTERNAL CONDUIT DIAMETER. FOR CONDUIT WITH AN INTERNAL DIAMETER GREATER THAN 2", MAINTAIN A BEND RADIUS OF AT LEAST 10 TIMES THE INTERNAL CONDUIT DIAMETER.
16. IF A CONDUIT REQUIRES MORE THAN TWO 90 DEGREE BENDS, PROVIDE AN ACCESSIBLE PULL BOX BETWEEN SECTIONS MORE THAN TWO BENDS OR LESS. IF A CONDUIT RUN REQUIRES A REVERSE BEND (BETWEEN 100 AND 180 DEGREES), INSERT AN ACCESSIBLE PULL BOX AT EACH BEND HAVING AN INTERNAL CONDUIT DIAMETER GREATER THAN 2". CONDUITS MORE THAN TWO 90 DEGREE BENDS BETWEEN PULL BOXES SHALL BE LIMITED TO ONE 180 DEGREE BEND. PROVIDE A MINIMUM CAPACITY BY 15% OR USE THE NEXT LARGER CONDUIT SIZE.
17. BACK BOX AND CONDUIT ARE TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
18. ALL OUTLETS ARE TO BE POSITIONED SECURELY, SQUARE WITH THE RACEWAY AND UNIFORM WITH ADJACENT OUTLETS.
19. ALL DATA CABLES TO BE ROUTED INSIDE THE COMM ROOM, PROVIDE MIN. OF 30" OF CABLE INSIDE THE CONDUIT ROOM FOR THE FUTURE TENANT.
20. ALL BRANCH CIRCUITS SHALL BE #12 AWG MINIMUM UNLESS NOTED OTHERWISE. REFER TO THE SPECIFICATIONS FOR UPSIZING REQUIREMENTS DUE TO VOLTAGE DROP OR OTHER PURPOSES.
21. ALL 120V AND 277V BRANCH CIRCUITS SHALL UTILIZE A SEPARATE DEDICATED NEUTRAL UNLESS OTHERWISE NOTED.
22. ALL FUSES FOR FUSED DISCONNECTS SHALL BE BUSMAN J-TYPE CURRENT LIMITING FUSES, OR APPROVED EQUAL.
23. CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ALL EQUIPMENT THAT IS TO BE PROVIDED BY THE OWNER. CONTRACTOR SHALL PROVIDE ALL INFRASTRUCTURE AS NECESSARY TO ALLOW FOR FUTURE EQUIPMENT INSTALLATIONS.
24. COMMUNICATIONS SERVER ROOM EQUIPMENT REQUIREMENTS:
A. ONE (1) RACK = 24" W X 36" D X 76" H
B. 3 - 4 SWITCHES
C. 1 - 2 UPS
D. 2 - SERVERS
E. 2 - RACK MOUNTED UPS UNITS



1 ELECTRICAL SECOND FLOOR PLAN





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REV	DATE	DESCRIPTION
1	04/25/2024	ISSUED FOR CONSTRUCTION
2	04/25/2024	REVISION



KILLEEN - FORT HOOD
REGIONAL AIRPORT
KILLEEN, TX
CORPORATE HANGAR PHASE II

PANEL SCHEDULES
SECOND FLOOR

JOB NO.: 21A06081
DATE: 03/25/2024
DESIGNED BY: JKS
DRAWN BY: JKS

DATE: 03/25/2024
BY: JKS
CHECKED BY: JKS
APPROVED BY: JKS

DRAWING NUMBER
E403

SHEET
NUMBER 104

Job: FTHA Terminal HVAC

Branch: NORMAL

Job No: 20A002081

A/C Rating: 22,000

Mounting: SURFACE

Main Type: 20 (225A)

Voltage: 200V/100A/3PH/4W

Grounds: Equipment Ground

Main Type: 20 (225A)

Main Type: 100 AMPS

PANEL: L3A

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1 PANEL SCHEDULES SECOND FLOOR

12" = 1'-0"