

**MOORE PUBLIC SCHOOLS -
RED OAK ELEMENTARY SCHOOL –
SECURITY UPGRADES AND CAMPUS ENCLOSURE**

Moore Public Schools - Moore, Oklahoma
AGP - Moore, Oklahoma

CONSTRUCTION BULLETIN NO. 9

December 17, 2024

1. AT EXISTING CORRIDORS, REMOVE EXISTING ACOUSTICAL CEILING AND GRID, EXISTING CARPET TILE/FLOORING, WALL BASE, WINDOWS BETWEEN CORRIDOR AND ORIGINAL INTERIOR WORK ROOM, LIGHT FIXTURES, ETC. AS INDICATE ON SHEET A100a. REMOVE ALL WALL MOUNTED ITEMS TO BE SALVAGED (CONSULT WITH PRINCIPAL) AND PREPARE WALLS TO RECEIVE NEW PAINTER'S FINISH. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
2. AT AREAS INDICATED ON THE ATTACHED DRAWINGS, PROVIDE AND INSTALL NEW ACOUSTICAL CEILINGS AND GRID, NEW FLOORING AND WALL BASE, PAINT ALL WALLS, ETC. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK.

END OF CONSTRUCTION BULLETIN NO. 9

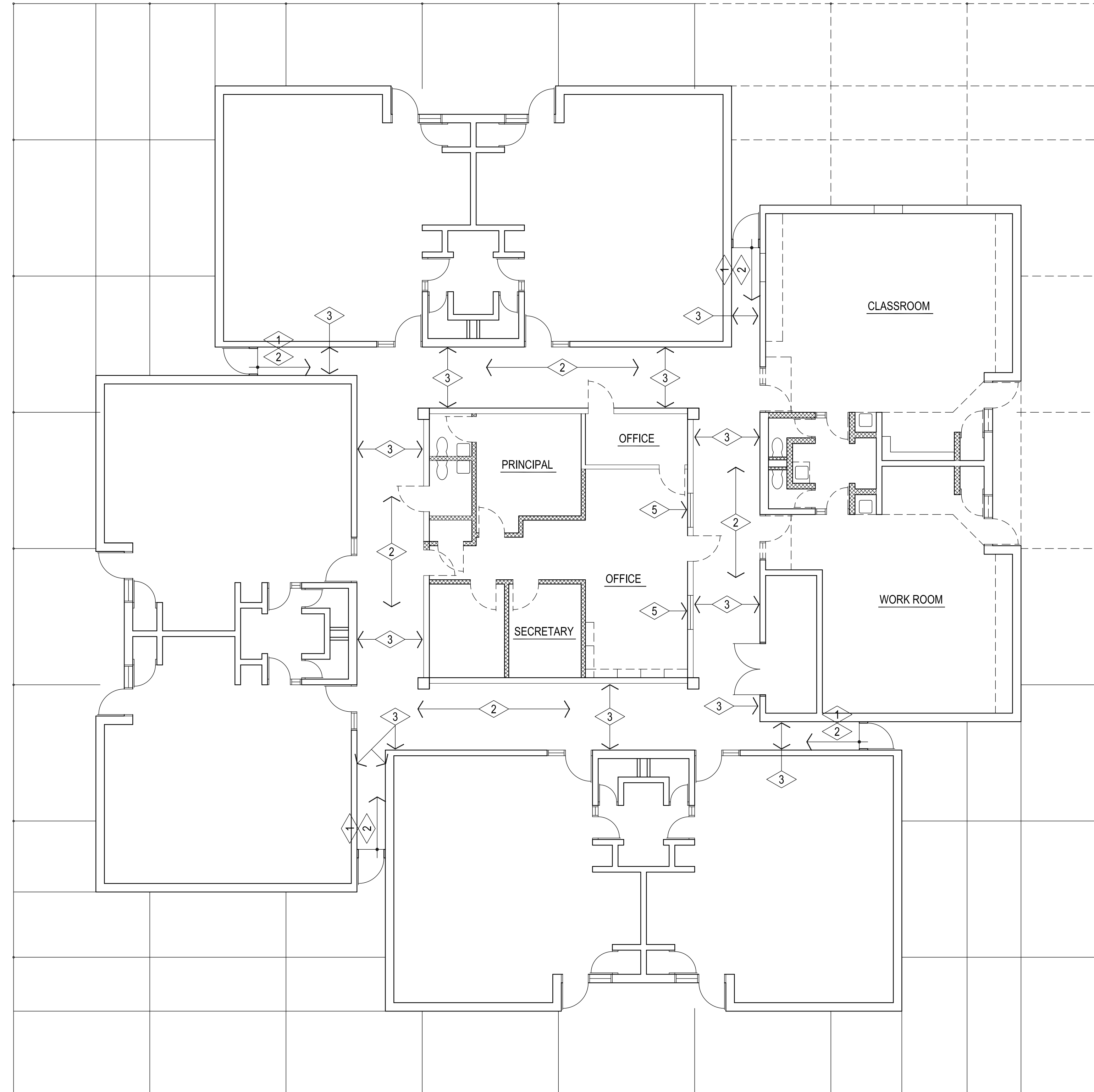


GENERAL NOTES:

1. FILL, GRADE, & PREPARE ALL EXCAVATED AREAS TO RECEIVE NEW SITE FEATURES.
2. CONTRACTOR TO VISIT SITE PRIOR TO PREPARING BID, & VERIFY ALL ITEMS TO BE DEMOLISHED. ANY ADDITIONAL ITEMS REQUIRING DEMOLITION THAT ARE NOT INCLUDED IN THESE DOCUMENTS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND INCLUDED IN THE BASE BID.
3. EXISTING UNDERGROUND UTILITY LOCATIONS & CONTOUR INFORMATION HAVE BEEN OBTAINED FROM THE BEST AVAILABLE SOURCES. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK & COORDINATE W/ ARCHITECT.
4. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ELEVATIONS PRIOR TO STARTING EARTHWORK - AND ADJUST ACCORDINGLY AS DIRECTED BY THE ARCHITECT.
5. DURING ALL EXISTING UTILITY REVISIONS - TEMPORARY SERVICE IS TO BE PROVIDED @ ALL EFFECTED BUILDINGS.
6. ALL SALVAGEABLE ITEMS TO REMAIN OWNER'S PROPERTY & SHALL BE STORED OR DISPOSED OF AS PER OWNER'S INSTRUCTIONS.
7. CONSTRUCTION SHALL MEET ALL APPLICABLE CODES, ORDINANCES, REGULATIONS & STANDARDS REQUIRED BY THE CITY OF OKLAHOMA CITY, OKLAHOMA.
8. CONSTRUCTION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE AMERICANS W/ DISABILITIES ACT INCLUDING ANY SUPPLEMENTAL REQUIREMENTS BY THE CITY OF OKLAHOMA CITY, OKLAHOMA.
9. CONTRACTOR SHALL COORDINATE ACCESS TO SITE W/ OWNER PRIOR TO STARTING WORK. OBTAIN APPROVAL FROM OWNER FOR ON-SITE MATERIAL STORAGE, ETC. CONTRACTOR SHALL PROVIDE PROPER SEPARATION BTWN. WORK & STUDENTS.
10. COORDINATE LOCATION OF CONSTRUCTION FENCE W/ ARCHITECT & OWNER PRIOR TO STARTING WORK. RE 1C600 FOR EROSION CONTROL PLAN.

DEMOLITION NOTES:

- 1 REMOVE EXISTING CEILING GRID / GYP. BD. AND PREPARE ROOM TO RECEIVE NEW 2X2 LAY-IN / GYP. BD. CEILING
- 2 REMOVE EXISTING CARPET TILE / FLOORING & WALL BASE & PREPARE EXISTING SLAB TO RECEIVE NEW.
- 3 REMOVE ALL EXISTING WALL MOUNTED ITEMS TO BE SALVAGED. PREPARE EXISTING WALLS TO RECEIVE NEW PAINT
- 4 REFER MECHANICAL, ELECTRICAL FOR ADDITIONAL WORK.
- 5 REMOVE EXISTING WINDOW SYSTEM AND ASSOCIATED FRAMING AS REQUIRED TO INSTALL NEW METAL STUD IN-FILL W/ 5/8" FIRE RATED GYP. BD. EACH SIDE. MATCH EXISTING WALL THICKNESS.



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MAY 2024

date

revisions

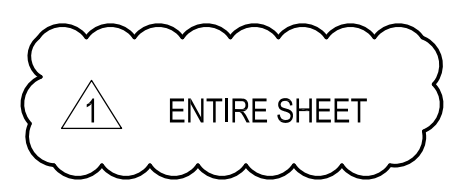
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BOARD OF EDUCATION
MOORE, OKLAHOMA



RED OAK
ELEMENTARY SCHOOL
SECURITY UPGRADES

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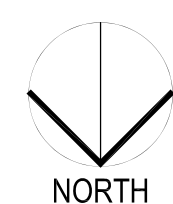


A100a

DEMOLITION FLOOR PLAN

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1

ADDITIONAL DEMOLITION FLOOR PLAN

1/8" = 1'-0"



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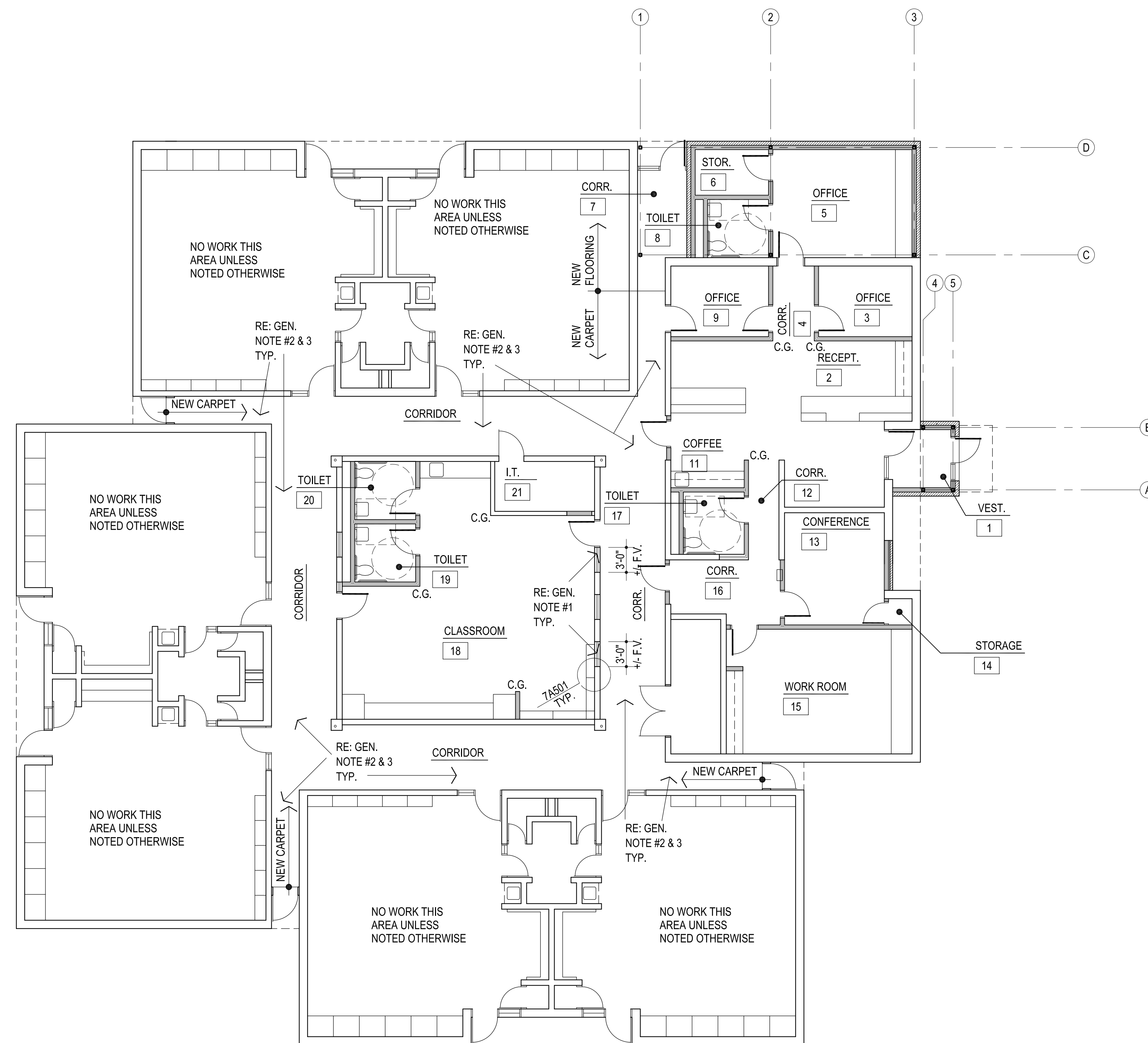
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FLOOR PLAN

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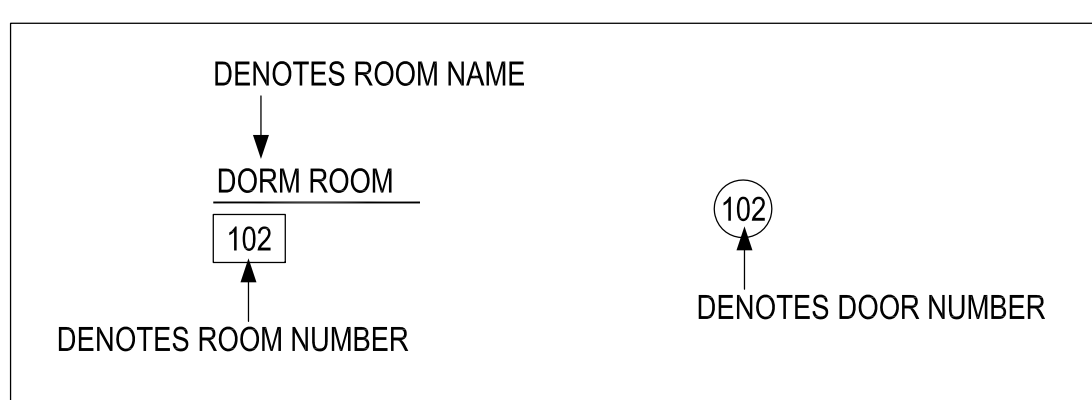
1 FLOOR PLAN
1/8" = 1'-0"
NORTH

GENERAL NOTES:

- REMOVE EXISTING WINDOW FRAME SYSTEM AND PREPARE OPENING TO RECEIVE NEW STUD IN FILL WITH GYP. BD EACH SIDE MATCH EXISTING WALL THICKNESS COORDINATE WITH ARCHITECT. PAINT ENTIRE WALL AT EXISTING CORRIDOR SIDE. SHERWIN-WILLIAMS - SW7008 - ALABASTER
- AT EXISTING CORRIDOR PROVIDE NEW CARPET - INTERFACE FLOOR - COLOR: 410-107025 NATURAL WITH NEW WALL BASE - ROPPE - 100 BLACK.
- AT EXISTING CORRIDOR PREPARE EXISTING / NEW WALLS TO RECEIVE NEW PAINT. PAINT COLOR TO BE - SHERWIN-WILLIAMS - SW7008 - ALABASTER
- REFER SHEET A102 FOR ADDITIONAL WORK.

NOTE: CONTRACTOR TO VERIFY THAT THE MOUNTING HEIGHTS OF ALL WALL MOUNTED FIXTURES (I.E. PLUMBING FIXTURES, GRAB BARS, MIRRORS, ETC.) MEET ALL APPLICABLE CODES & STANDARDS

PRIOR TO INSTALLATION.





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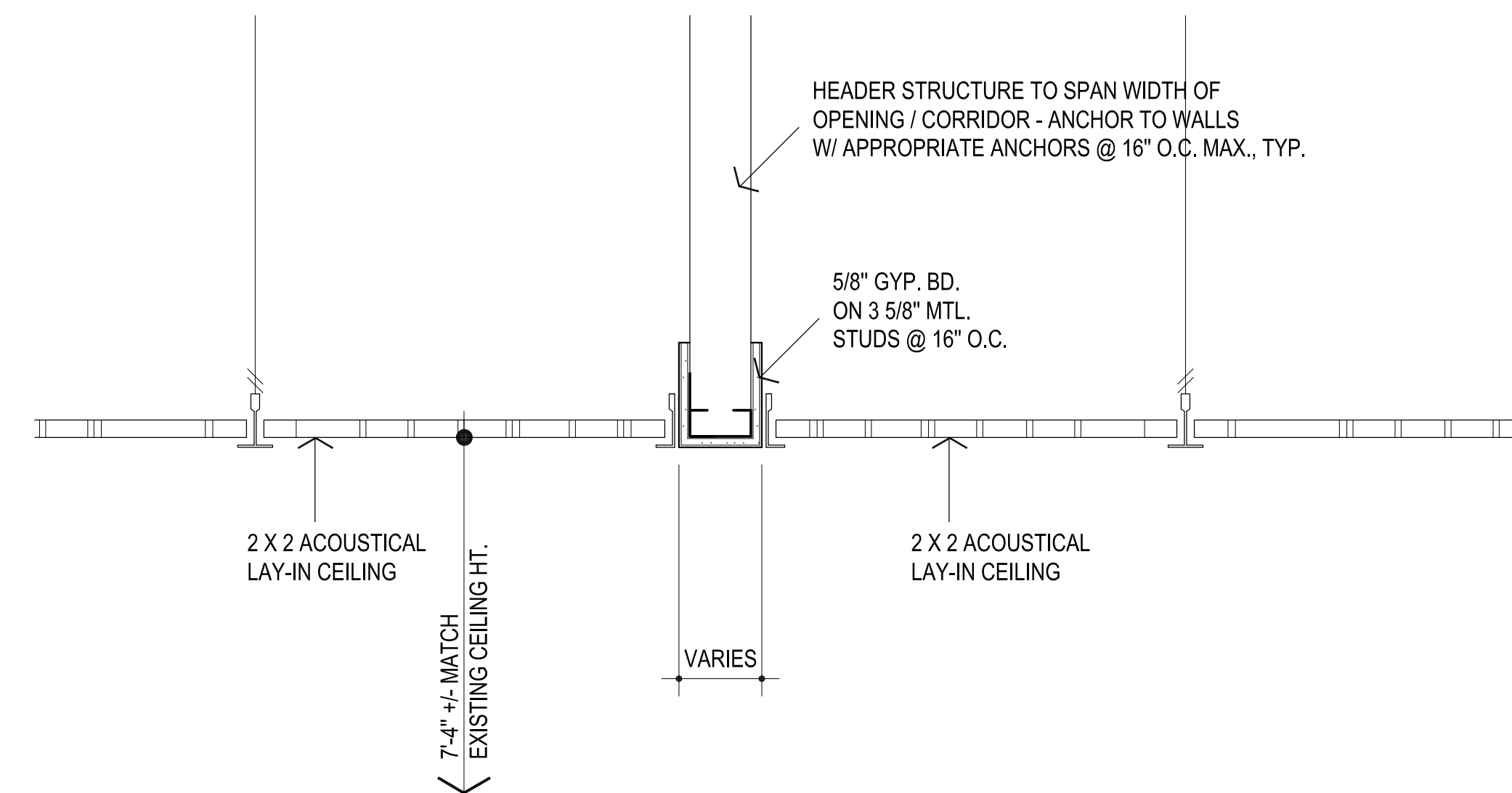
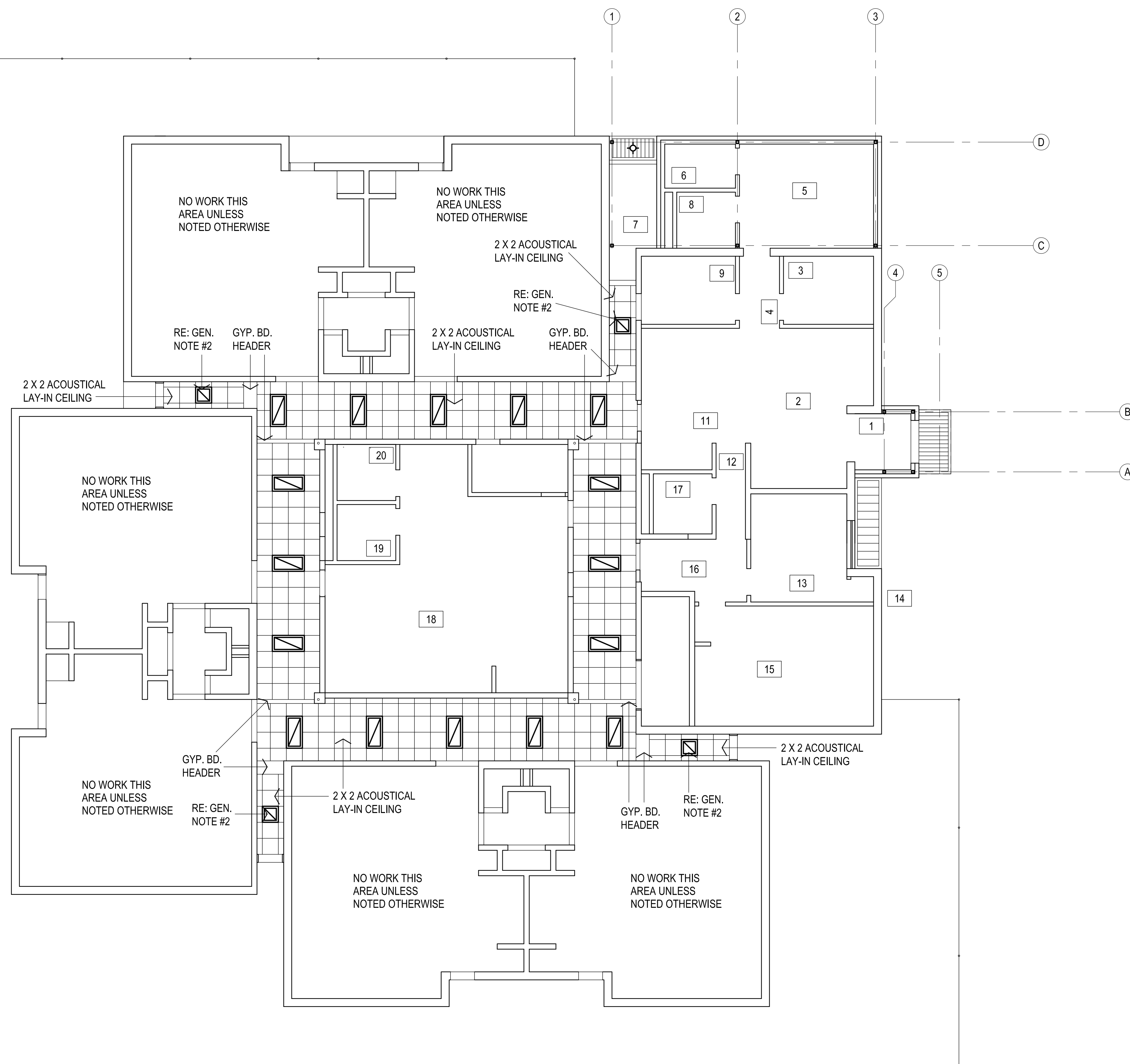
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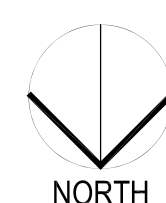
REFLECTED CEILING PLAN

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2 GYP. BD. HEADER
1 1/2" = 1'-0"



1 ADDITIONAL REFLECTED CEILING PLAN

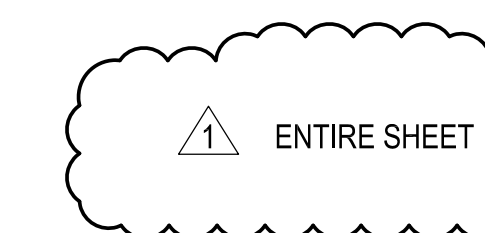
1/8" = 1'-0"

LEGEND:

- MECHANICAL OPENINGS
- ELECTRICAL FIXTURES
- CEILING MOUNTED SMOKE DETECTOR, RE: ELEC

NOTES:

1. REFER MECHANICAL & ELECTRICAL FOR ANY ADDITIONAL CEILING MOUNTED FIXTURES
2. NEW 2X2 FIXTURE TO BE "SWAPPED" WITH 2X4 FIXTURE FROM ROOM# 3 & 9.



Construction Bulletin # 09

Client: Abla Griffin Partnership
 Project Name: Red Oak Campus Renovation
 Project Number: 2024-02321-00

December 16, 2024

Requested by: Owner
 Contractor:
 Salas O'Brien:



To: Mike Abla, Clay Griffin

This Construction Bulletin is issued to:

- Offer additional information for clarification or supplemental drawings for layout assistance.
- Request cost and time impact to initiate a change to the Contract Documents. Owner approval is required, do not commence with revisions unless directed in writing. Avoid Work in areas that may be affected by proposed change until approved or rejected. Once approved, forward Change Order documentation as required by the Contract Documents.
- Direct a required change in the Contract Documents. Proceed with change(s) as indicated. Forward Change Order documentation as required by the Contract Documents.
- Response to RFI _____.

Item No.	Description	Attachment
1	Refer to clouds and deltas for changes.	E000
2	Refer to clouds and deltas for changes.	ED101
3	Refer to clouds and deltas for changes.	E101
4	Refer to clouds and deltas for changes.	E601

END OF CB-09

LIGHT FIXTURE SCHEDULE				
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	REFERENCE CATALOG #
A		2' X 4' LED RECESSED TROFFER. 38,79W, 4867 LUMENS, 3500K CCT, 80 CRI. 0-10V DIMMING.	LITHONIA	2GTL 4 48L G210 LP835
AE		2' X 4' LED RECESSED TROFFER. 38,79W, 4867 LUMENS, 3500K CCT, 80 CRI. 0-10V DIMMING, PROVIDE 90 MINUTE BATTERY BACKUP.	LITHONIA	2GTL 4 48L G210 LP835 EL14L
BE		2' X 2' LED RECESSED TROFFER. 90 MINUTE BATTERY BACKUP.	LITHONIA	2GTL 2 33L G210 LP835 EL14L
C		6" RECESSED LED DOWNLIGHT. 25W, 2476 LUMENS, 3500K CCT, 80 CRI. 0-10V DIMMING.	LITHONIA	LBR6 ALO2 SWW1 AR LSS MWD MVOLT UGZ 90CRI
CE		6" RECESSED LED DOWNLIGHT. 25W, 2476 LUMENS, 3500K CCT, 80 CRI. 0-10V DIMMING, PROVIDE 90 MIN BATTERY BACK-UP	LITHONIA	LBR6 ALO2 SWW1 AR LSS MWD MVOLT UGZ 90CRI
EX1		UNIVERSAL MOUNTING, SINGLE FACE, LED EMERGENCY EXIT SIGN WITH 90 MINUTE BATTERY BACKUP.	LITHONIA	LQM S W 3 R 120/277 EL N M6
EX2		UNIVERSAL MOUNTING, DOUBLE FACED EMERGENCY EXIT SIGN WITH 90 MINUTE BATTERY BACKUP.	LITHONIA	LQM S W 3 R 120/277 EL N M6
LE		MULLION MOUNTED LINEAR FIXTURE. 38.4W, 4264 LUMENS, 4000K CCT, 80 CRI. 90-MINUTE BATTERY BACKUP. WET LISTED. FINISH TBD BY ARCHITECT.	A-LIGHT	LIN 3 SP M8 LS 40 U HE M.5"XX D ES2 LT
S		1' X 4' SURFACE MOUNT LED FIXTURE. 21W, 2259 LUMENS, 3500K CCT, 80 CRI. 0-10V DIMMING	LITHONIA	TLX4 40L FW A12 E21 LP835 N80
SE		1' X 4' SURFACE MOUNT LED FIXTURE. 21W, 2259 LUMENS, 3500K CCT, 80 CRI. 0-10V DIMMING, PROVIDE 90 MIN BATTERY BACK-UP.	LITHONIA	TLX4 40L FW A12 E21 LP835 N80
V		2' WALL MOUNTED LED VANITY FIXTURE. 5W, 600 LUMENS, 3500K CCT, 80 CRI. WALL MOUNTED, 0-10V DIMMING.	MARK LTG	S2WD LLP 2FT MSL2 80CRI 35K 300LMF SCT MINT0 FLL MVOLT WHHT ZT
W2		EXTERIOR LED WALL PACK. 47W, 5896 LUMENS, 4000K CCT. WET LOCATION.	LITHONIA	WPX2 LED 40K MVOLT DBLXD
WE		SQUARE EXTERIOR WALL PACK. 36W, 5300 LUMENS, 4000K CCT, 80 CRI. 0-10V DIMMING, PROVIDE 90 MINUTE BATTERY BACKUP.	LITHONIA	TWR1 LED ALO SWW2 UVOLT PE DDBTXD

GENERAL NOTES:
EQUIVALENT ALTERNATE LIGHT FIXTURES MAY BE PROVIDED FOR BIDDING PURPOSES. THE ENGINEER DOES NOT TAKE RESPONSIBILITY FOR ENSURING ALTERNATE LIGHT FIXTURES USED FOR BIDDING ARE EQUAL; THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALTERNATE FIXTURES ARE EQUIVALENT TO THOSE SPECIFIED PRIOR TO BID. THE WINNING BID PACKAGE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW IN ACCORDANCE WITH THE SPECIFICATIONS.

ELECTRICAL ABBREVIATIONS			
AC	ABOVE COUNTERTOP	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISH FLOOR	MCA	MINIMUM CIRCUIT AMPS
AFG	ABOVE FINISH GRADE	MDP	MAIN DISTRIBUTION PANEL
ANNC	ANNUNCIATOR	MTD	MOUNTED
CC	CONTROLS CONTRACTOR	NIC	NOT IN CONTRACT
DF	DRINKING FOUNTAIN	OCC	OCCUPANCY
EC	ELECTRICAL CONTRACTOR	PC	PLUMBING CONTRACTOR
EF	EXHAUST FAN	PNL	PANEL
EX	EXISTING	SPST	SINGLE POLE SINGLE THROW
EXR	EXISTING RELOCATED	TTB	TELEPHONE TERMINAL BOARD
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GFI	GROUND FAULT INTERRUPT	WG	WIRE GUARD
HP	HORSEPOWER	WP	WEATHER PROOF
IBC	INTERNATIONAL BUILDING CODE	20A	20 AMP
IG	ISOLATED GROUND	Ø	PHASE
LV	LOW VOLTAGE	3W	3 WIRE
LVRP	LV RELAY PANEL	1P20A	SINGLE POLE 20 AMP

ELECTRICAL LEGEND	
	PANEL BOARD
	DISTRIBUTION PANEL BOARD
	TRANSFORMER
	UTILITY METER
	SEPARATE CIRCUIT BREAKER
	DISCONNECT
	FUSED DISCONNECT SWITCH
	EMERGENCY FUSED DISCONNECT SWITCH
	MOTOR STARTER/CONTRACTOR
	COMBINATION MOTOR STARTER
	PUSH BUTTON STATION AS NOTED
	PULL BOX, SIZE AS REQUIRED BY CODE
	ELECTRICAL CONNECTION
	MOTOR CONNECTION
	HOME RUN TO PANEL BOARD

SWITCH LEGEND	
SYMBOL	DESCRIPTION
\$	20A, 120/277V SPST SWITCH
\$ _a	20A, 120/277V LETTER INDICATES GROUP
\$ ₃	20A, 120/277V 3-WAY
\$ ₄	20A, 120/277V 4-WAY
\$ _D	DIMMER SWITCH
\$ _K	KEY OPERATED SWITCH
\$ _{OC}	OCCUPANCY SENSOR SWITCH

GENERAL NOTE:
SEE SPECIFICATIONS FOR MANUFACTURERS

RECEPTACLE SCHEDULE	
SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE
	20A, 120V, 2P, 3W GROUNDING DUPLEX RECEPTACLE
	RECEPTACLE MTD. 6" ABOVE COUNTER OR HGT SHOWN
	GFCI RECEPTACLE, MTD. 6" ABOVE COUNTER OR HGT SHOWN
	20A, 120V, 2P, 3W GROUNDING DUPLEX GFCI RECEPTACLE - WEATHER PROOF (IN USE COVER)
	QUADPLEX RECEPTACLE

GENERAL NOTE:
SEE SPECIFICATIONS FOR MANUFACTURERS

GENERAL ELECTRICAL NOTES	
1.	CONTRACTOR TO VERIFY EXISTING ELECTRICAL CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF ANY ELECTRICAL OR CODE ISSUES PRIOR TO BID. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM.
2.	ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.
3.	ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.C. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
4.	SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS.
5.	ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.
6.	INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.
7.	UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
8.	ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.

FIXTURE LINE PHASE STYLES	
LINE STYLE	DESCRIPTION
	EXISTING FIXTURES TO REMAIN
	NEW/REPLACEMENT FIXTURES

ELECTRICAL SHEET INDEX	
E000	ELECTRICAL TITLE SHEET
E001	ELECTRICAL SPECIFICATIONS
ED101	ELECTRICAL DEMOLITION PLAN
E100	ELECTRICAL SITE PLAN
E101	ELECTRICAL LIGHTING PLAN
E201	ELECTRICAL POWER PLAN
E202	ELECTRICAL ROOF PLAN
E401	ONE-LINE DIAGRAM
E501	ELECTRICAL DETAILS
E601	ELECTRICAL SCHEDULES

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KFC ENGINEERING

STRUCTURAL

SALAS O'BRIEN

PLUMBING / MECHANICAL / ELECTRICAL



JV

drawn by

TV

checked by

MAY 2024

date

revisions

1 8/22/24 RFI-07

2 9/27/24 CB-05

3 12/16/24 CB-09

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E000

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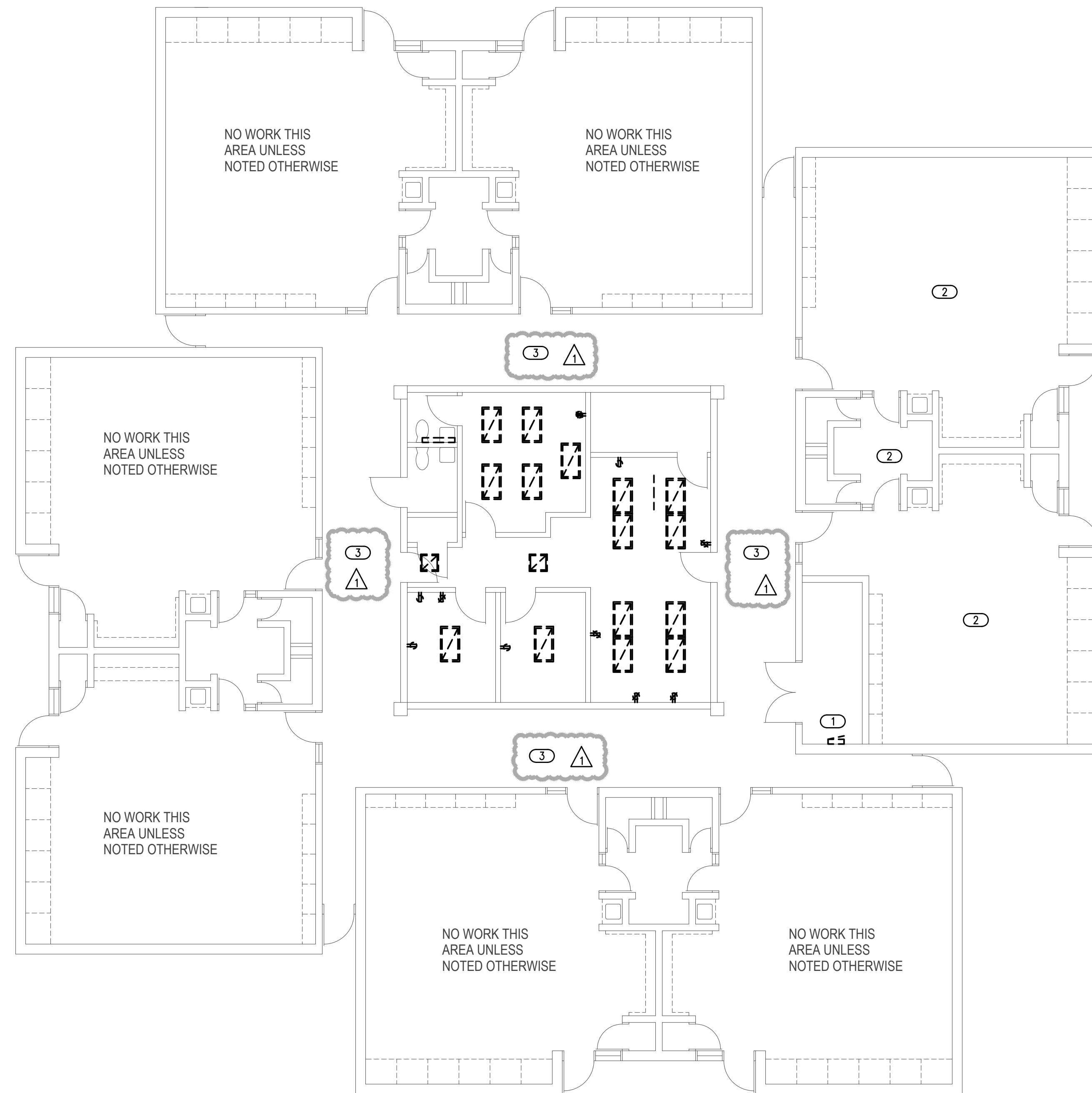


2600 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2023
Salas O'Brien Project Number: 2024-02321



- ### DEMOLITION GENERAL NOTES
1. THESE DEMOLITION PLANS HAVE BEEN PREPARED TO ASSIST THE CONTRACTOR IN DETERMINING THE SCOPE OF DEMOLITION WORK TO BE INCLUDED IN THIS PROJECT. THE CONTRACTOR SHOULD REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING DEMOLITION SHOWN FOR OTHER TRADES, AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS, IN ORDER TO DETERMINE THE SCOPE OF DEMOLITION WORK.
 2. ALL EXISTING LIGHT FIXTURES, SWITCHES, AND LIGHTING DEVICES ON DEMO SHEET SHALL BE REMOVED AND REPLACED WITH NEW FIXTURES AS INDICATED ON E000 AND E101.
 3. ALL EXISTING RECEPTACLES AND OTHER DEVICES ON DEMO SHEET SHALL BE REMOVED AND REPLACED WITH NEW DEVICES AS INDICATED ON SHEET E201.
 4. EXISTING CONDUIT AND WIRING MAYBE REUSED IF IN SERVICEABLE CONDITION, OTHERWISE PROVIDE NEW CONDUIT AND WIRE AS REQUIRED. NEW DEVICES AND FIXTURES SHALL BE CIRCUITED TO NEW PANELS AS INDICATED. EC SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY ANOMALIES TO THE ARCHITECT AND ENGINEER PRIOR TO PROCEEDING.
 5. DEMOLITION PLAN INFORMATION SHOWN AT TIME OF DESIGN. EC SHALL FIELD VERIFY EXISTING CONDITIONS AND MAKE ANY NECESSARY CHANGES TO COMPLETE THE WORK.
 6. REMOVE ALL UNUSED WIRING AND CONDUIT AS PART OF THE DEMOLITION PROCESS.

- ### DEMO KEYED NOTES
- 1 EC TO DEMOLISH EXISTING 400A PANEL AND FEEDERS 'D' AND REPLACE WITH NEW. REFER TO 'E201' AND 'E401' FOR ADDITIONAL INFORMATION.
 - 2 DEMOLISH ALL EXISTING LIGHT FIXTURES, SWITCHES AND RECEPTACLES IN AREA. ROOM WAS NOT ACCESSIBLE AT TIME OF DESIGN. EC TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY ANOMALIES WITH ENGINEER PRIOR TO BEGINNING WORK.
 - 3 DEMOLISH EXISTING LIGHT FIXTURES IN CORRIDORS AND REPLACE WITH NEW AS SHOWN ON E101. EC TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY ANOMALIES WITH ENGINEER PRIOR TO BEGINNING WORK.



1 ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"



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12/16/24 CB-09

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RED OAK
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SECURITY UPGRADES

sheet no:

ED101

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Salas O'Brien Registration: CA# 7058
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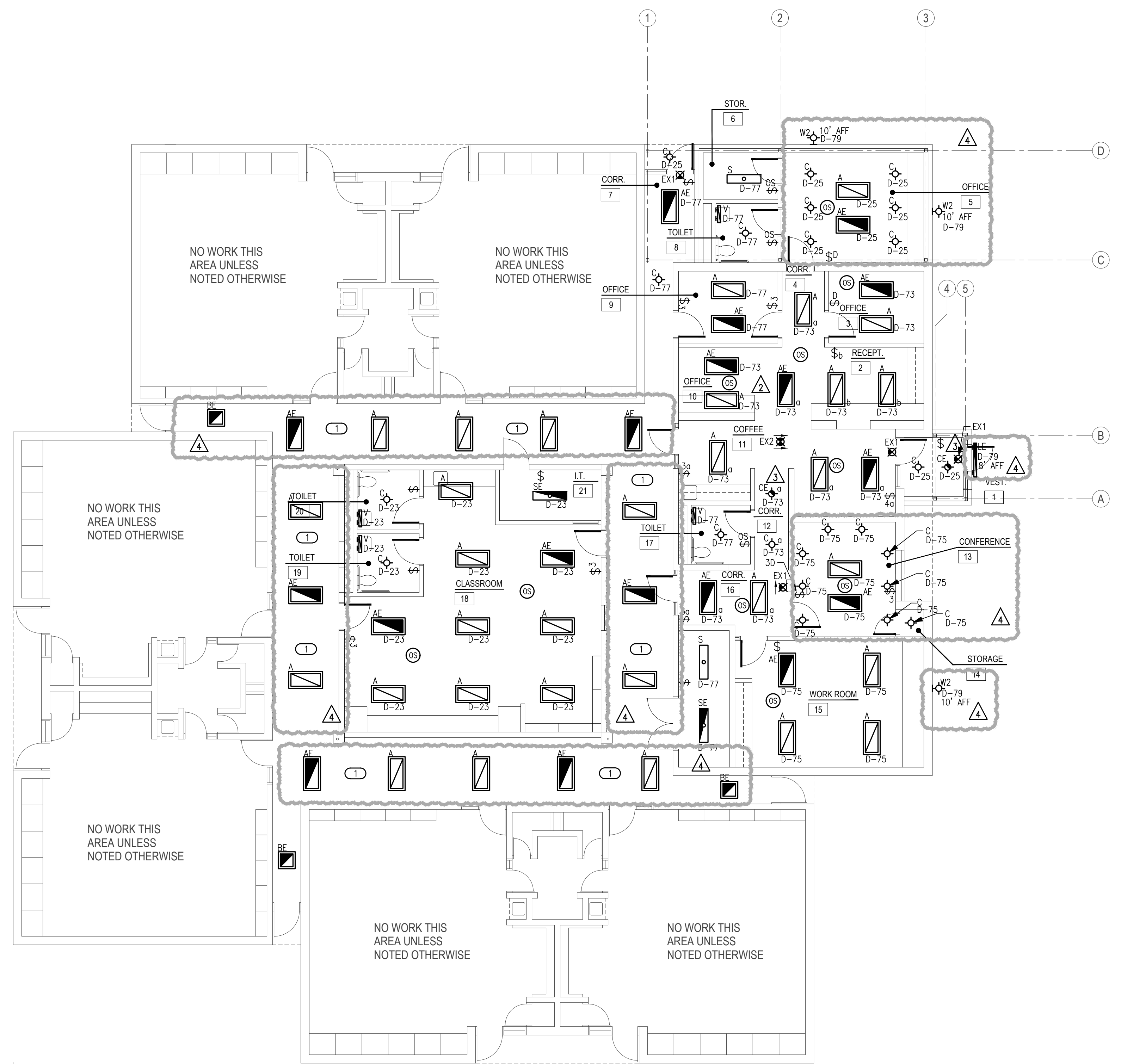


LIGHTING GENERAL NOTES

1. OCCUPANCY SENSOR LOCATIONS SHOWN ARE FOR DESIGN INTENT ONLY. LOCATE OCCUPANCY SENSORS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
2. CONNECT BATTERY PACKS TO UNSWITCHED HOT OF LOCAL LIGHTING CIRCUIT.
3. COORDINATE WITH ALL ASSOCIATED TRADES FOR THE EXACT LOCATIONS OF LIGHT FIXTURES WITH HVAC EQUIPMENT AND OTHER DEVICES/EQUIPMENT.
4. COORDINATE WITH THE ARCHITECT, OWNER, AND ASSOCIATED TRADES FOR THE EXACT HEIGHT/LOCATION OF EXTERIOR MOUNTED LIGHTING FIXTURES PRIOR TO ROUGH-IN.
5. LABEL SWITCH PLATES AND J-BOXES WITH CIRCUIT PER SPECS.
6. COORDINATE LIGHT SWITCHES WITH THERMOSTATS AND OTHER WALL MOUNT DEVICES.

KEYED NOTES

① NEW LIGHT FIXTURES SHOWN IN CORRIDOR SHALL BE CONTROLLED BY EXISTING SWITCHES AND POWERED FROM THEIR EXISTING BRANCH CIRCUITS. EC SHALL REUSE/EXTEND EXISTING CONDUIT AND WIRE TO FEED NEW FIXTURES AS NECESSARY FOR A COMPLETE CONNECTION.



1 ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

△ FULL SHEET

drawn by	JV
checked by	TV
date	MAY 2024
revisions	
△ 1	8/22/24 RFI-07
△ 2	9/20/24 CB-04
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KFC ENGINEERING

STRUCTURAL

SALAS O'BRIEN

PLUMBING / MECHANICAL / ELECTRICAL



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AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.

MECHANICAL EQUIPMENT SCHEDULE									
CALLOUT	DESCRIPTION	VOLTS	KVA	MCA	MOCP	WIRE CALLOUT	DISCONNECT	DISC PROV BY	DISC INST BY
AC-1	EXTERIOR MINI-SPLIT	208/120V 2P 3W	1.92	20	30	3/4"C,2#12,#12N,#12G	NON-FUSED	MC	EC
AC-1	INDOOR MINI-SPLIT	208/120V 2P 3W	3.33	20	30	3/4"C,2#12,#12N,#10G	NON-FUSED	MC	EC
AC-1	INDOOR MINI-SPLIT	208/120V 2P 3W	3.33	20	30	3/4"C,2#12,#12N,#12G	NON-FUSED	MC	EC
AC-1	EXTERIOR MINI-SPLIT	208/120V 2P 3W	1.92	20	30	3/4"C,2#12,#12N,#12G	NON-FUSED	MC	EC
AC-2	EXTERIOR MINI-SPLIT	208/120V 2P 3W	2.05	12.3	15	3/4"C,2#12,#12N,#12G	NON-FUSED	MC	EC
AC-2	INDOOR MINI-SPLIT	208/120V 2P 3W	2.05	12.3	15	3/4"C,2#10,#10N,#10G	NON-FUSED	MC	EC
AC-3	EXTERIOR MINI-SPLIT	208/120V 2P 3W	1.98	11.9	15	3/4"C,2#12,#12N,#12G	NON-FUSED	MC	EC
AC-3	INDOOR MINI-SPLIT	208/120V 2P 3W	1.98	11.9	15	3/4"C,2#12,#12N,#12G	NON-FUSED	MC	EC
AC-3	EXTERIOR MINI-SPLIT	208/120V 2P 3W	3.66	22	30	3/4"C,2#10,#10N,#10G	NON-FUSED	MC	EC
AC-4	INDOOR MINI-SPLIT	208/120V 2P 3W	3.66	22	30	3/4"C,2#10,#10N,#10G	NON-FUSED	MC	EC
CP-1	CIRCULATION PUMP	120V 1P 2W	0.24	2	15	3/4"C,1#10,#10N,#10G	HARDWIRED CONNECTION	EC	EC
EF-1	EXHAUST FAN	120V 1P 2W	0.7	7.25	15	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-1	EXHAUST FAN	120V 1P 2W	0.7	7.25	15	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-2	EXHAUST FAN	120V 1P 2W	0.15	2	15	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-3	EXHAUST FAN	120V 1P 2W	0.15	2	15	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EFH-1	ELECTRIC FAN FORCED HEATER	208/120V 2P 3W	1.5	9	15	3/4"C,2#10,#10N,#10G	NON-FUSED	MFR	EC
EW-1	ELECTRIC WATER HEATER	208/120V 2P 3W	2.11	22	30	3/4"C,2#10,#10N,#10G	NON-FUSED	EC	EC

Panel		ROOM	ELECTRIC RM	VOLTS	208Y/120V 3P 4W	AIC	65,000	
D		MOUNTING	SURFACE	BUS AMPS	600	MAIN BKR	600	
		FED FROM	UTILITY	NEUTRAL	100%	LUGS	STANDARD	
NOTE								
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	
1	100/3	14	EXISTING RTU LOAD	a	2	100/3	14	EXISTING RTU LOAD
3				b	4			
5	100/3	14	EXISTING RTU LOAD	c	6			
7				d	8	100/3	14	EXISTING LOAD
9				b	10			
11	100/3	14	EXISTING RTU LOAD	c	12			
13				a	14	20/1	0.2	EXISTING LOAD
15				b	16	20/1	0.2	EXISTING LOAD
17	225/3	30	EXISTING PANEL C	c	18	20/1	0.2	EXISTING LOAD
19				a	20	20/1	0.54	TOILETS 19 AND 20
21				b	22	20/1	0.54	CLASSROOM 18
23	20/1	0.896	LIGHTING	c	24	20/1	0.18	CLASSROOM 18
25	20/1	1.09	LIGHTING	a	26	20/1	0.18	TV
27	20/1	0.54	COFFEE 11	b	28	20/1	0.18	WORK RM 15
29	20/1	0.36	RECEPTION 2	c	30	20/1	0.54	CORRIDOR 16
31	20/1	0.18	TOILET 17	a	32	20/1	0.54	CONFERENCE 32
33	20/1	0.18	ABOVE COUNTER	b	34	30/2	2.11	EW-1
35	20/1	0.18	ABOVE COUNTER	c	36			
37	20/1	0.36	OFFICE RM 10	a	38	15/1	0.24	CP-1
39	20/1	0.54	OFFICE RM 9	b	40	15/2	1.5	EFH-1
41	20/1	0.54	OFFICE RM 3	c	42			
43	20/1	0.54	OFFICE RM 5	a	44	15/1	0.15	EF-3
45	20/1	0.18	TOILET RM 8	b	46	15/1	0.846	EF-2
47	20/1	0.18	IT RECEPTACLES	c	48	20/1	0.18	FACP
49	15/1	0.696	EF-1	a	50	20/1	0.18	ACP
51	30/2	1.92	AC-1	b	52	20/1	0.18	IT RECEPTACLE
53				c	54	20/1	0.18	IT RECEPTACLE
55	15/2	2.05	AC-2	a	56	20/1	0.18	IT RECEPTACLE
57				b	58	30/2	3.66	AC-4
59	15/2	1.98	AC-3	c	60			
61				a	62	30/2	3.33	AC-1
63	20/2	0	SPACE	b	64			
65				c	66	15/2	2.05	AC-2
67	30/2	1.92	AC-1	a	68			
69				b	70	15/2	1.98	AC-3
71	20/1	0.36	ROOFTOP RECEPTACLES	c	72			
73	20/1	0.96	LIGHTING	a	74	20/2	0	SPACE
75	20/1	1.22	LIGHTING	b	76			
77	20/1	0.704	LIGHTING	c	78	30/2	3.33	AC-1
79	20/1	0.141	EXTERIOR LIGHTING	a	80			
81	20/1	0	SPACE	b	82	30/2	3.66	AC-4
83	20/1	0	SPACE	c	84			

	CONN KVA	CALC KVA		CONN KVA	CALC KVA		
LIGHTING	5.01	6.26	(125%)	MOTORS	31.4	31.4	(100%)
LARGEST MOTOR	14	3.5	(25%)	RECEPTACLES	38.3	24.2	(50%>10)
				COOLING	70	70	(100%)
				TOTAL LOAD		135	
				BALANCED 3-PHASE LOAD		376 A	
				PHASE A		97%	
				PHASE B		102%	
				PHASE C		101%	

EXISTING LOADS ARE APPROXIMATIONS. EC TO FIELD VERIFY EXISTING LOADS PRIOR TO BEGINNING WORK.



2600 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2023
Salas O'Brien Project Number: 2024-02321