



P. O. Box 892245 • OKC, OK 73189
OFFICE: 405-735-3992 • CELL: 405-570-7881

Construction Bulletin #5 (CB5) Red Oak Elementary Security Upgrade 9/27/2024

- 1.) Phase 1 Renovation Area =** At existing cmu wall provide 3/4" hat channels with 1/4" sheet rock. At existing cmu wall that is to close out to deck as per 4A103, provide 3/4" hat channels with 5/8" fire rated sheet rock.

Construction Bulletin # 05

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

September 27, 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.	E101
3	Refer to clouds and deltas for changes.	PD101
4	Refer to clouds and deltas for changes.	P110
5	Refer to clouds and deltas for changes.	MD101
6	Refer to clouds and deltas for changes.	M101

END OF CB-05

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
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
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
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 DOBTXD

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

AGP
the Abila Griffin
Partnership L.L.C.

201 N. BROADWAY
SUITE 210
MOORE, OK, 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
PLUMBING / MECHANICAL / ELECTRICAL



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TV

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date

revisions
1 8/22/24 RFI-07
2 9/27/24 CB-05

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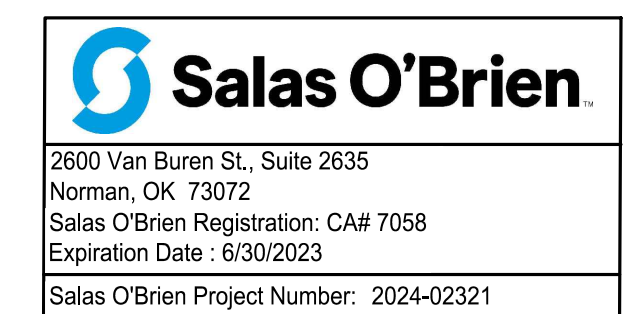
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E000

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1	8/22/24	RFI-07
2	9/20/24	CB-04
3	9/27/24	CB-05

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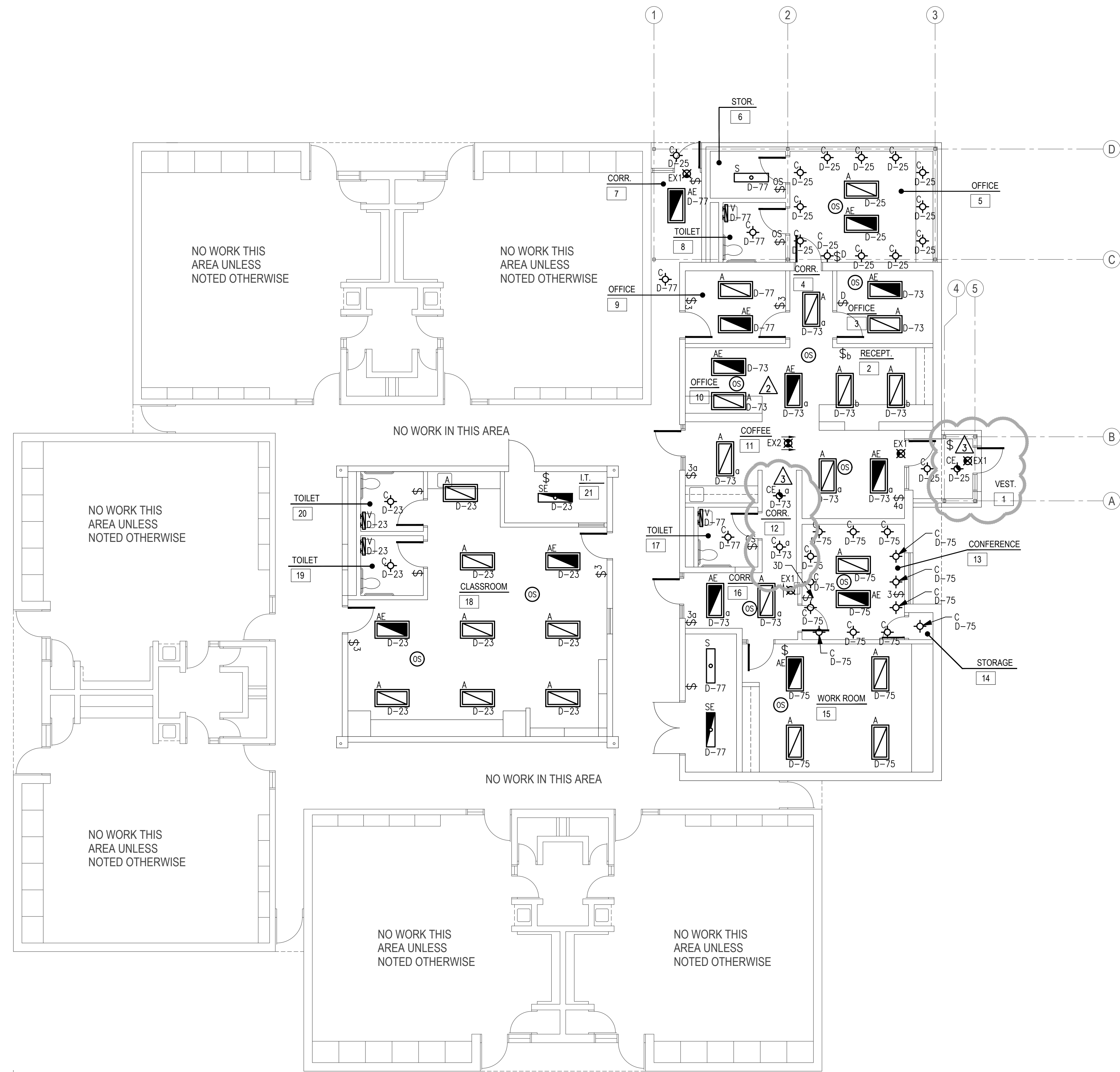
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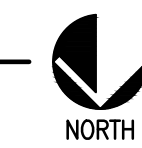
LIGHTING GENERAL NOTES

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



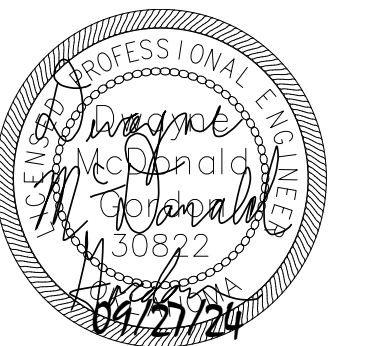
1 ELECTRICAL LIGHTING PLAN

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

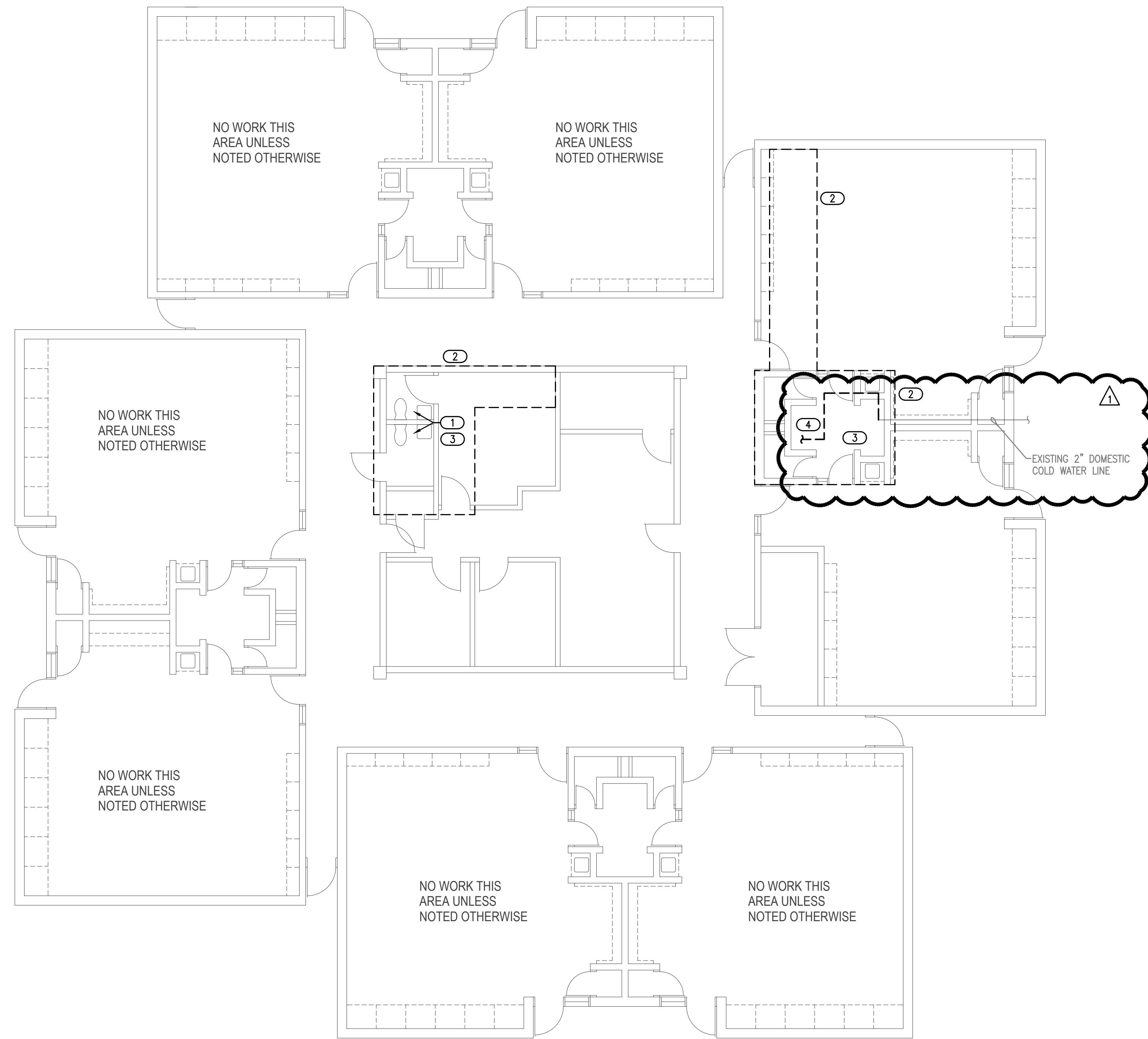


△ FULL SHEET

Salas O'Brien
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



- | GENERAL NOTES | |
|---------------|---|
| 1. | FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. |
| 2. | COORDINATE WORK WITH ALL TRADES ON SITE. |
| 3. | REFER TO RENOVATION NOTES ON SHEET P000. |
| 4. | COORDINATE WITH GENERAL CONTRACTOR FOR ALL REQUIRED FLOOR, WALL AND CEILING CUTTING FOR DEMOLITION AND NEW WORK. |
| 5. | REMOVE UNUSED PLUMBING VENTS THRU ROOF. COORDINATE WITH ROOFING CONTRACTOR FOR LOCATIONS TO BE SEALED WEATHERPROOF. |
-
- | KEYED NOTES | |
|-------------|---|
| ① | REMOVE PLUMBING FIXTURES IN THIS AREA AND ALL ABOVE FLOOR ASSOCIATED BRANCH PIPING BACK TO MAINS. REMOVE BELOW FLOOR SANITARY PIPING AS REQUIRED FOR INSTALLING NEW FIXTURES. |
| ② | SAWCUT EXISTING FLOOR FOR INSTALLING NEW SANITARY PIPING. |
| ③ | COORDINATE WITH GC FOR MODIFICATION OF WALLS FOR NEW SANITARY PIPING AND FIXTURES. |
| ⚠️ ④ | REMOVE SECTION OF EXISTING COLD WATER LINE TO BE REPLACED WITH NEW. FIELD VERIFY LOCATION OF EXISTING COLD WATER LINE. |



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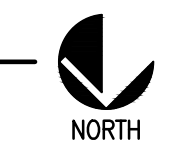


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1 PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



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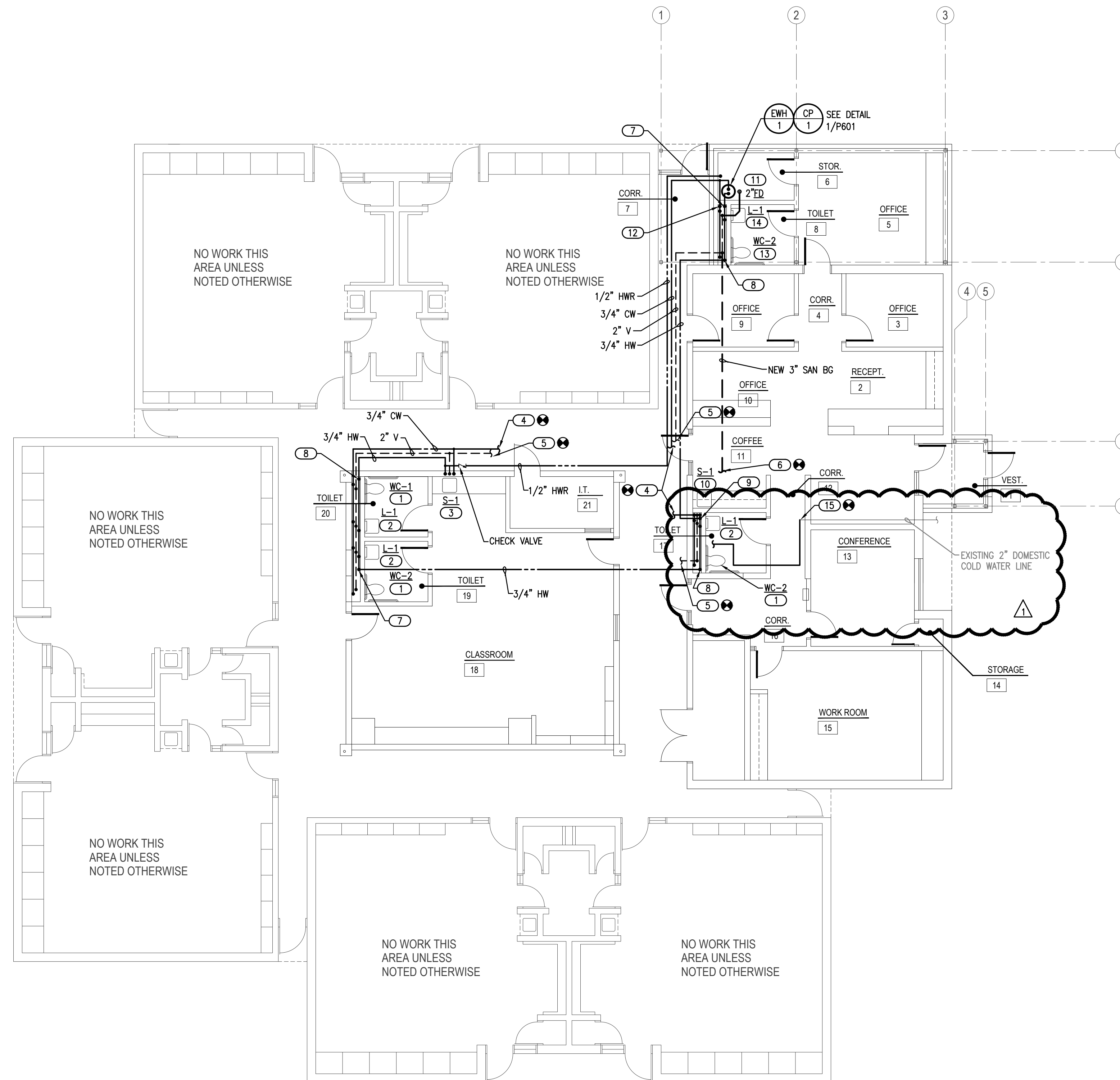


GENERAL NOTES

- COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- SINK AND LAVATORY WATER SUPPLY STUB OUTS SHALL BE COPPER PIPE WITH SUPPORT BRACKET FASTENED IN WALL CAVITY.
- REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P601 FOR FIXTURE ROUGH-IN PIPE SIZES.
- PROVIDE ACCESS PANELS FOR ALL VALVES/DEVICES ABOVE HARD CEILINGS AND BEHIND WALLS.

KEYED NOTES

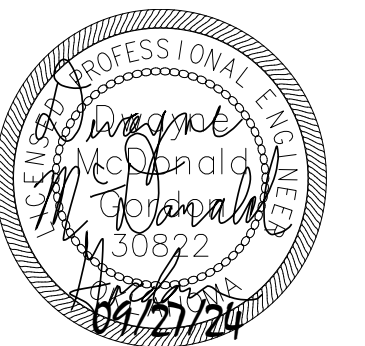
- INSTALL NEW WATER CLOSET AND CONNECT NEW 1/2" CW, 2" VENT AND 3" SANITARY PIPING TO NEAREST EXISTING MAINS. FIELD VERIFY EXISTING PIPE SIZE AND LOCATIONS.
- INSTALL NEW LAVATORY AND CONNECT NEW 1/2" CW, 1/2" HW, 1 1/2" VENT AND 2" SANITARY PIPING TO NEAREST EXISTING MAINS. INSTALL TMV-1 BELOW FIXTURE. FIELD VERIFY EXISTING PIPE SIZE AND LOCATIONS.
- INSTALL NEW SINK AND CONNECT NEW 1/2" CW, 1/2" HW, 1 1/2" VENT AND 2" SANITARY PIPING TO NEAREST EXISTING MAINS. INSTALL TMV-1 BELOW FIXTURE. FIELD VERIFY EXISTING PIPE SIZE AND LOCATIONS.
- CONNECT NEW 3/4" CW TO NEAREST EXISTING CW MAIN. FIELD VERIFY EXISTING SIZE AND LOCATION.
- CONNECT NEW 2" VENT TO NEAREST EXISTING VENT MAIN. FIELD VERIFY EXISTING SIZE AND LOCATION.
- CONNECT NEW 3" SANITARY BELOW FLOOR TO NEAREST EXISTING SANITARY MAIN 3" OR LARGER. FIELD VERIFY EXISTING SIZE AND LOCATION.
- ROUTE 3/4" HW LINE DOWN INTO CHASE TO 2'-6" AFF AND EXTEND THRU CHASE WITH 1/2" HW BRANCH TO LAVATORY.
- ROUTE 3/4" HW LINE FROM CHASE UP TO ABOVE CEILING.
- ROUTE 3/4" HW LINE DOWN INTO CHASE TO 2'-6" AFF AND EXTEND THRU CHASE WITH 1/2" HW BRANCH TO LAVATORY. PROVIDE 1/2" HW BRANCH LINE TO SINK S-1.
- INSTALL NEW SINK AND ROUTE NEW 1/2" CW, 1/2" HW, 1 1/2" VENT AND 2" SANITARY PIPING INTO CHASE AND CONNECT TO NEW MAINS. INSTALL TMV-1 BELOW FIXTURE. FIELD VERIFY EXISTING PIPE SIZE AND LOCATIONS.
- INSTALL NEW FLOOR DRAIN AND CONNECT 2" SANITARY TO SANITARY RISER AT ADJACENT LAVATORY. INSTALL TRAP GUARD IN FLOOR DRAIN.
- ROUTE 3/4" CW LINE DOWN INTO CHASE AND EXTEND THRU CHASE FOR LAVATORY AND WATER CLOSET.
- INSTALL NEW WATER CLOSET AND CONNECT NEW 1/2" CW, 2" VENT AND 3" SANITARY PIPING TO NEW MAINS. FIELD VERIFY PIPE ROUTING.
- INSTALL NEW LAVATORY AND CONNECT NEW 1/2" CW, 1/2" HW, 1 1/2" VENT AND 2" SANITARY PIPING TO NEW MAINS. INSTALL TMV-1 BELOW FIXTURE. FIELD VERIFY PIPE ROUTING.
- FIELD VERIFY LOCATION OF EXISTING COLD WATER LINE AND CONNECT NEW 2" COLD WATER TO EXISTING. ROUTE PIPING TO AVOID CONFLICT WITH STRUCTURAL JOIST AND RETURN DUCT.



1 PLUMBING PLAN

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





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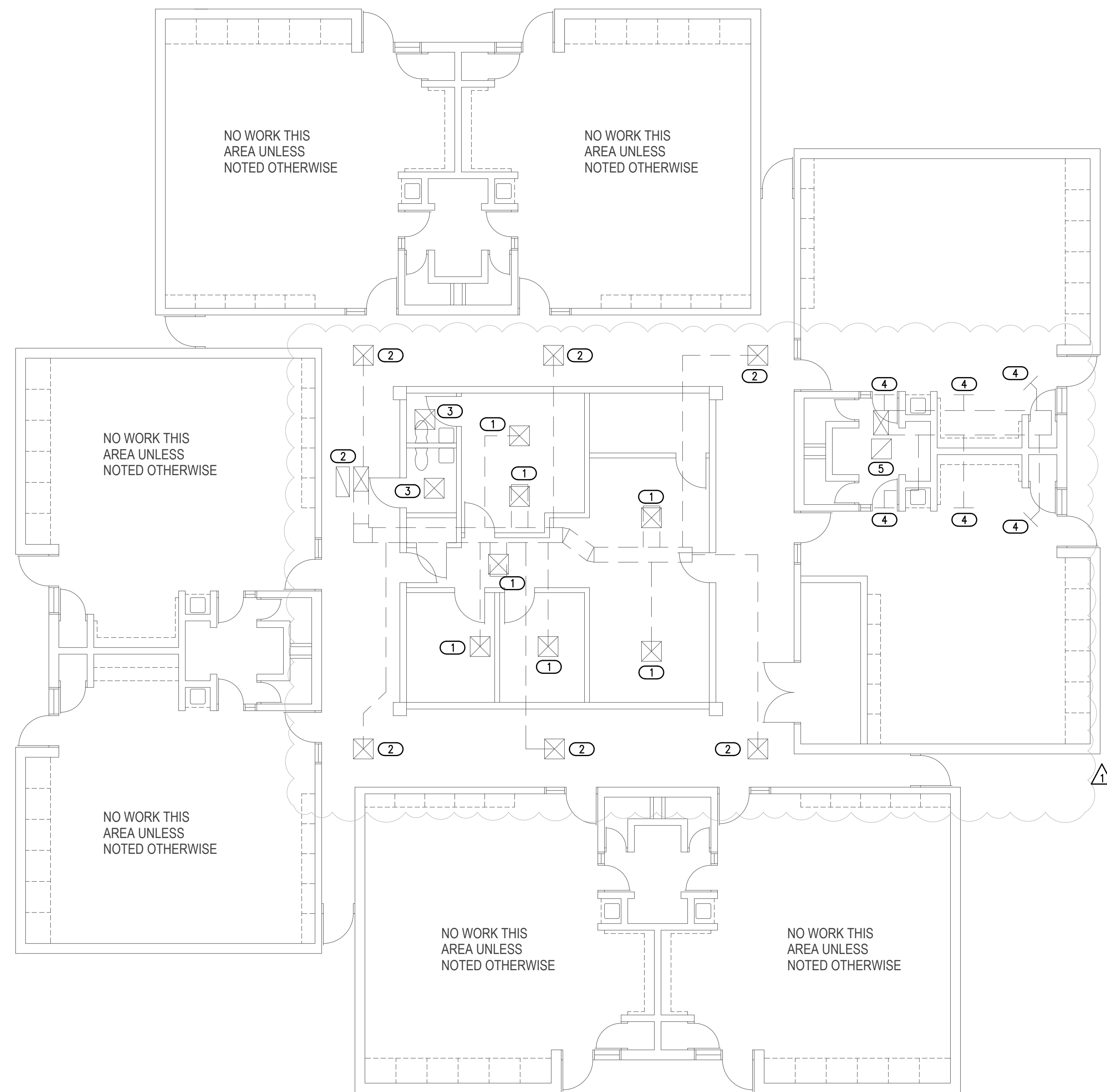
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GENERAL NOTES	
1.	FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2.	MECHANICAL CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. LOCATIONS OF EXISTING EQUIPMENT ARE DIAGRAMMATICAL IN NATURE.
3.	M.C. SHALL REPAIR AND/OR REPLACE ANY UNINTENDED DAMAGES DONE TO SURROUNDING AREAS DUE TO DEMOLITION.
4.	EXISTING T-STAT TO REMAIN COORDINATE WITH ARCHITECT AND G.C.
5.	M.C. SHALL PERFORM TAB ON EXISTING SYSTEMS TO GET BASELINE FLOWS FOR FUTURE ADJUSTMENTS. REFER TO KEYED NOTE FOR MORE INFORMATION.

KEYED NOTES	
1	DEMOLISH DIFFUSER BACK TO MAIN BRANCH AND CAP FOR FUTURE USE. PRIOR TO DEMOLISHING GRILLE, M.C. SHALL PERFORM TAB TO GET BASELINE AIRFLOW.
2	EXISTING GRILLE TO BE DEMOLISHED AND DUCTWORK CAPPED FOR NEW GRILLES. REFER TO M101 FOR MORE INFORMATION.
3	REMOVE EXHAUST FAN AND DUCTWORK ASSOCIATED WITH RESTROOM.
4	SIDEWALL GRILLE AND DUCTWORK SHALL BE DEMOLISHED BACK TO RTU RISER. PRIOR TO DEMOLISHING GRILLE, M.C. SHALL PERFORM TAB TO GET BASELINE AIRFLOW.
5	DEMOLISH RETURN GRILLE. PRIOR TO DEMOLISHING GRILLE, M.C. SHALL PERFORM TAB TO GET BASELINE AIRFLOW.



1 MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



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M101

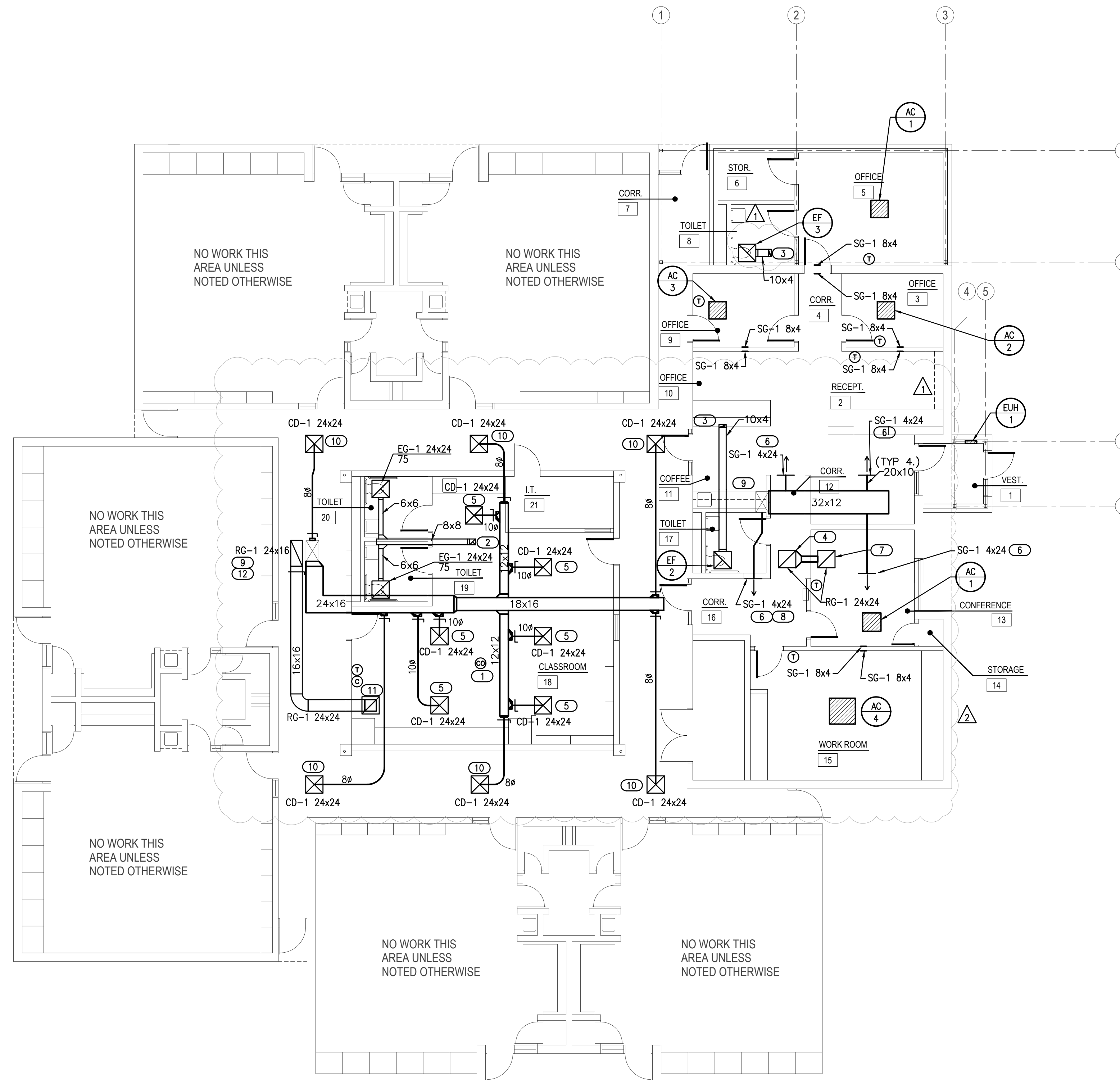
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GENERAL NOTES

- COORDINATE INSTALLATION OF EQUIPMENT AND DUCTWORK WITH ALL TRADES.
- COORDINATE LOCATION OF THERMOSTATS WITH E.C. ROUGH-IN BY E.C.
- M.C. SHALL PROVIDE CARBON MONOXIDE SENSORS WHERE NEEDED PER CODE FOR EXISTING EQUIPMENT THROUGHOUT THE ENTIRE BUILDING. M.C. IS RESPONSIBLE FOR SURVEYING ENTIRE BUILDING AND LOCATING FUEL BURNING HVAC EQUIPMENT FOR SENSOR LOCATIONS. COORDINATE WITH E.C. FOR POWER CONNECTIONS.
- THERMOSTAT EXISTING TO REMAIN. M.C. SHALL COORDINATE WITH G.C. IN NEW LOCATION IF EXISTING WALL STAT IS DEMOLISHED.
- ALL DOORS IN ADMIN AREA SHALL BE UNDERCUT IN LIEU OF UNDERCUT LOUVER ON DOOR IS REQUIRED. COORDINATE WITH ARCHITECT AND G.C. FOR FINAL DIRECTION.
- ROUTE CONDENSATE LINE TO THE NEAREST OPEN SITE DRAIN. SLOPE PER CODE.
- CASSETTE UNIT SHALL BE A MAXIMUM HEIGHT OF 10". ANY MANUFACTURER UNITS HIGHER THAN 10" WILL NOT FIT IN LIMITED CEILING SPACE. M.C. TO VERIFY PRIOR TO PURCHASE AND INSTALLATION THE MAX HEIGHT OF CASSETTE IN CEILING SPACE.

KEYED NOTES

- CARBON MONOXIDE DETECTOR TO BE INSTALLED ACCORDING TO ALL APPLICABLE CODES. DETECTOR SHALL BE INSTALLED CENTRALLY ON CEILING. ALSO INCLUDE BATTERY BACKUP IN EVENT PRIMARY POWER IS INTERRUPTED. ALARM SIGNAL SHALL BE ROUTED TO ADMINISTRATION OFFICE. COORDINATE WITH E.C. WITH PRIMARY POWER CONNECTION AND SYSTEM CONNECTION.
- ROUTE 8x8 DUCT UP TO CONNECT TO THROAT OPENING OF EXHAUST FAN.
- ROUTE 10x4 DUCT UP TO CONNECT TO THROAT OPENING OF ROOF CAP. M.C. TO FIELD ADJUST DUCT ROUTING AS NEEDED FOR CONSTRUCTABILITY.
- M.C. SHALL INSTALL BYPASS DUCTWORK AND MOTORIZED DAMPER CONNECTING SUPPLY AND RETURN DUCTWORK.
- REBALANCE NEW GRILLE TO 250 CFM.
- REBALANCE NEW SIDEWALL GRILLE CFM.
- RETURN DUCT SHALL ROUTE BETWEEN CMU WALL AND SUPPLY DUCT TO THEN TRANSITION TO CONNECT TO RETURN PLENUM. SIZE RETURN DUCT TO MAXIMIZE PLENUM SPACE WITH MINIMUM OF 8"x8".
- ADJUST DUCT AND DIFFUSERS AROUND EXISTING STRUCTURAL ELEMENTS AND PIPING AS NEEDED FOR CONSTRUCTABILITY.
- PROVIDE SMOKE DETECTOR IN RETURN AIR DUCT. CONNECT TO EXISTING FIRE ALARM SYSTEM.
- REBALANCE GRILLE TO 200 CFM.
- BALANCE RETURN TO 1300 CFM.
- BALANCE RETURN TO 600 CFM.



1 MECHANICAL DUCTWORK PLAN

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