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PROJECT NAME: **CHEROKEE NATION CULTURAL
TOURISM OFFICES**

591 Main Pkwy, Tahlequah, OK 74464

OWNER NAME: **CHEROKEE NATION CULTURAL AND
ECONOMIC DEVELOPMENT LLC**

PRIME DESIGN CONSULTANT: STARR DESIGN GROUP

ARCHITECT: CJC ARCHITECTS, INC.

CONSULTING ENGINEER: ALLIED ENGINEERING GROUP, LLC

INTERIOR DESIGNER: ISDS

DATE

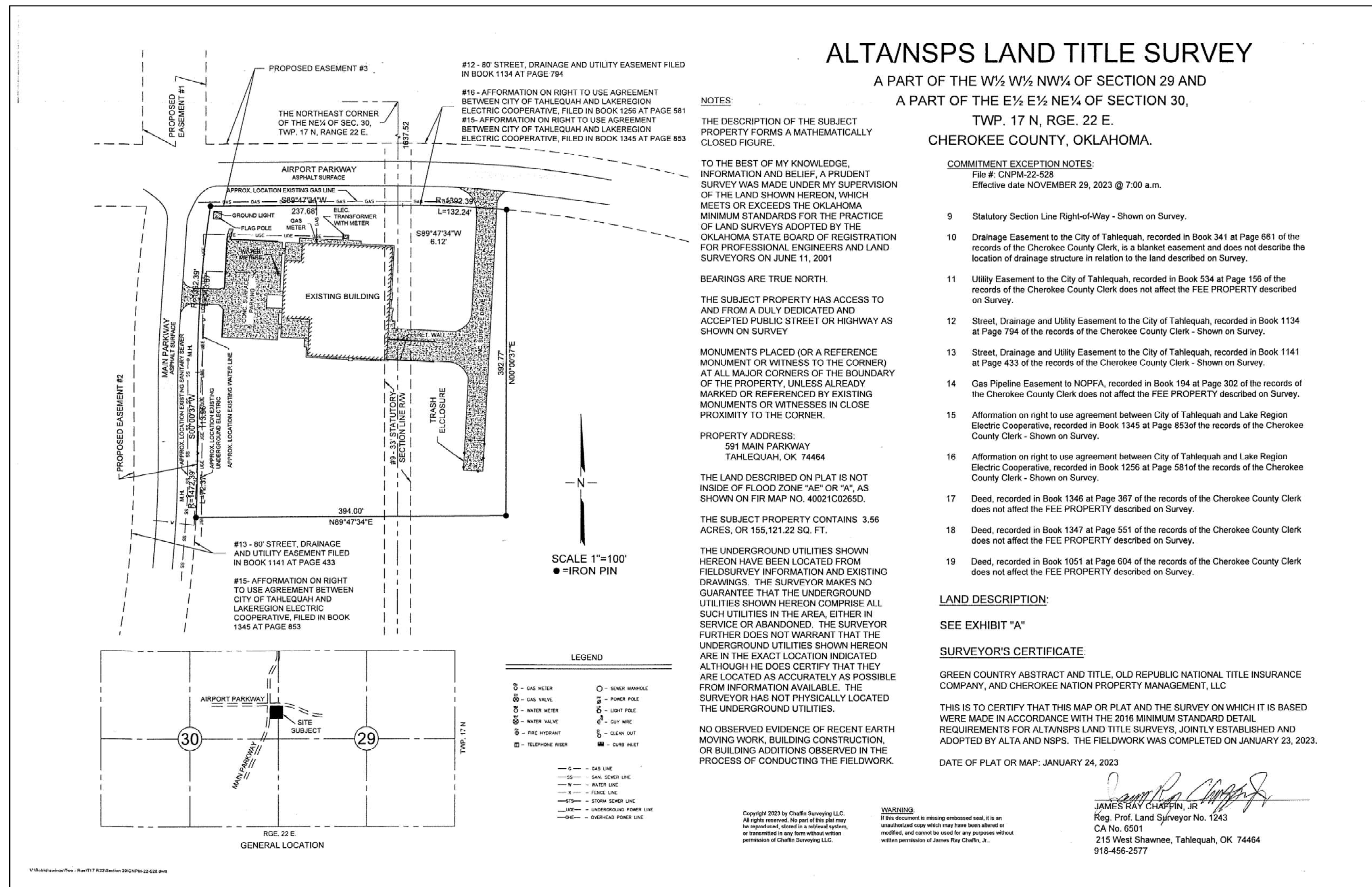
3/31/2023

PROJECT NUMBER

2244

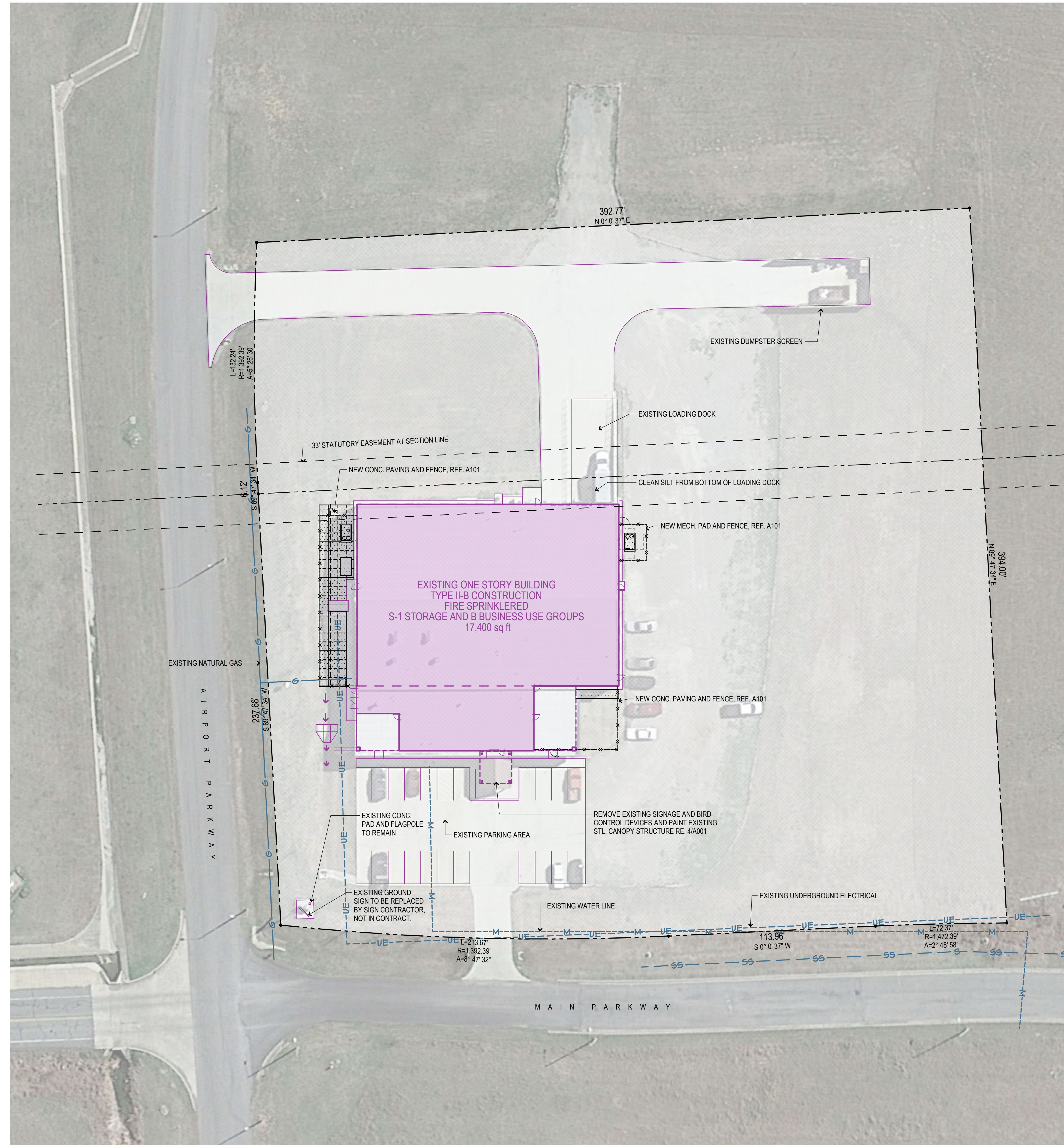
SET NUMBER





Revision Date	Revision

Revision Date	Revision



Project Title

CHEROKEE NATION CULTURAL TOURISM OFFICES

591 Main Pkwy, Tahlequah, OK 74464

CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title

ARCHITECTURAL SITE PLAN

Drawn Project Number 2244

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 file: bjc-architects.com/2244 CN BackWoods Building

Seal Issue Date 3/31/2023

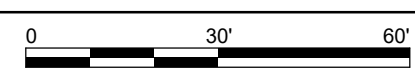
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3975
 STATE OF OKLAHOMA
 TIMOTHY S. BOECKMAN
 REGISTERED ARCHITECT
 3/31/2023

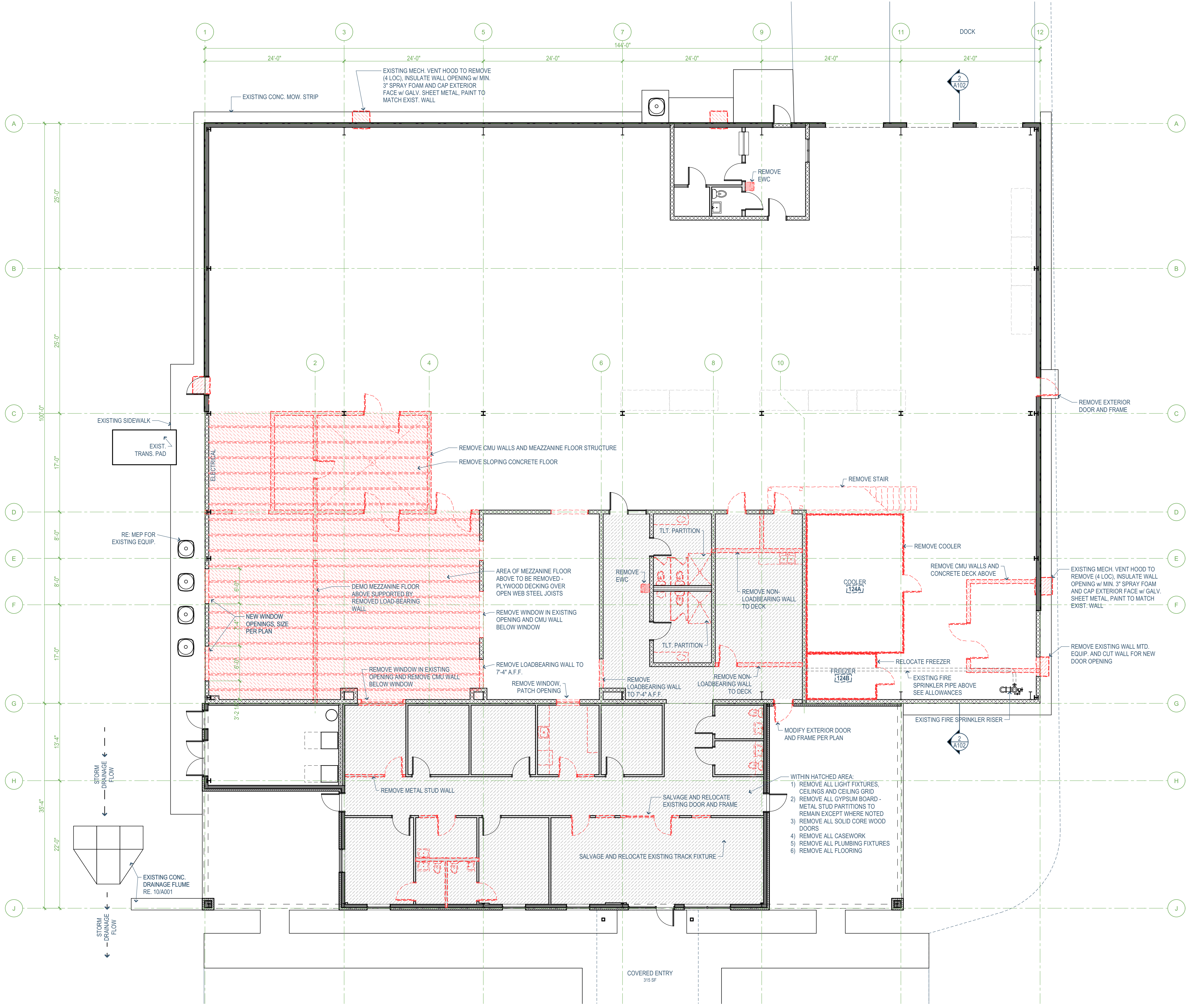
A002

1 ARCHITECTURAL SITE PLAN

1" = 30'



Revision Date	Revision



Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
DEMOLITION PLAN

Drawn Project Number 2244
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User: boedman
File: 3m-cjarchitects.com/2244 CN Backwoods Building
Imstamp: 3/31/2023 1:28 PM

Issue Date 3/31/2023
Sheet Number

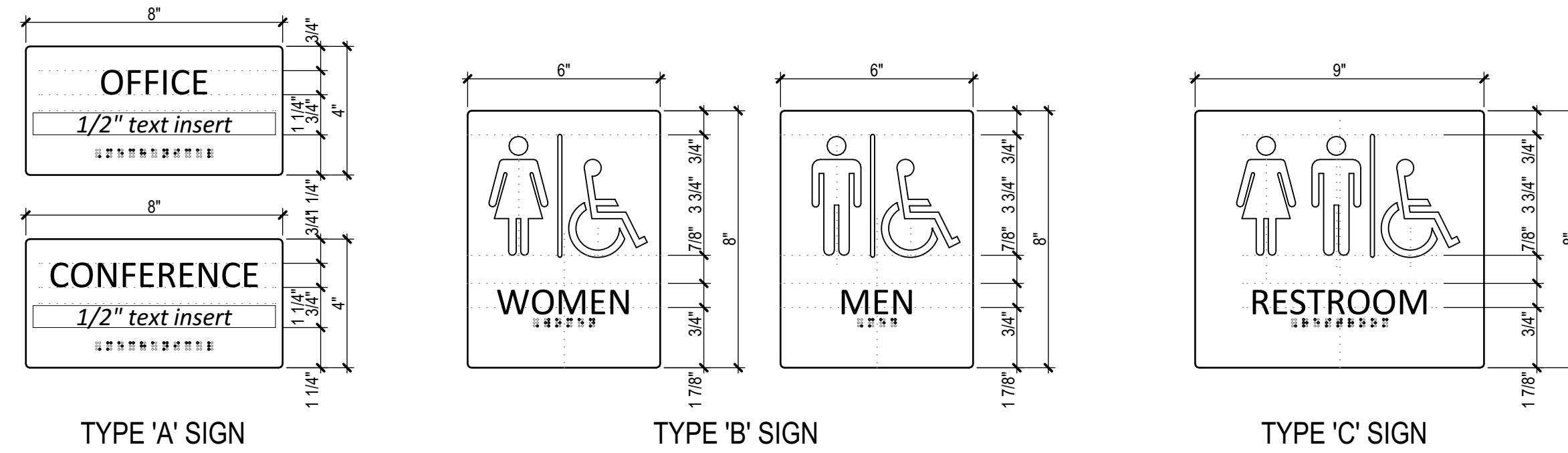


A100

1 DEMOLITION PLAN

1/8" = 1'-0" 0 4' 8' 16'

Blk/door: C:\CUTUP\811 - Blk/door Basic for Architect 202244 CN Backwoods Building_3/31/2023 - 1:28 PM



ADA COMPLIANT PLASTIC SIGN W/ RAISED TACTILE LETTERING AND GRADE 2 BRAILLE, REFER SECTION 10 1400

3 SIGNAGE SCHEDULE
3" = 1'-0"
0 3" 6" 9"

ID	DOOR			FRAME MATL	FIRE RTG.	HARDWARE		SIGNAGE	REMARKS
	SIZE	MATL	TYPE			SET	KEY SIDE		
100	3x7	AL	3	AL	0	E	EXT	-	EXISTING w/ NEW ACCESS CONTROL
101	3x7	AL	3	AL	0	E	100	-	EXISTING, RELOCATED / WITH NEW ACCESS CONTROL
102	3x7	WD	2	ST	0	G	107	A	NEW DOOR / EXISTING FRAME
103	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME RELOCATED FROM 103
104	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME
105	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME TO RELOCATE
106	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME
107	3x7	HM	2	HM	0	X	EXT	-	NEW DOOR / EXISTING FRAME TO RECEIVE ACCESS CONTROL
108	3x7	HM	2	HM	0	X	EXT	-	NEW DOOR / EXISTING FRAME TO RECEIVE ACCESS CONTROL
109	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME TO RELOCATE
110	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME
111	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME RELOCATED FROM 111
112	3x7	WD	2	ST	0	F	107	A	NEW DOOR / EXISTING FRAME
114	3x7	WD	1	ST	0	H	113	A	NEW DOOR / EXISTING FRAME
115	3x7	WD	1	ST	0	S	113	C	NEW DOOR / EXISTING FRAME
116	3x7	HM	1	HM	0	1			
116	2'6"x7'	WD	1	ST	0	H	116	A	
117	3x7	WD	1	ST	0	T	120	B	NEW DOOR / EXISTING FRAME
118	3x7	WD	1	ST	0	T	120	B	NEW DOOR / EXISTING FRAME
120	3x7	HM	2	HM	0	F	130	-	NEW DOOR / EXISTING FRAME
121	3x7	WD	1	ST	0	G	123	A	
121A	3x7	HM	1	HM	0	G	130	A	
123	PR 3x7	HM	1	HM	0	W	130	-	TO RECEIVE ACCESS CONTROL
124	PR 4x7	HM	1	HM	0	W	125	-	TO RECEIVE ACCESS CONTROL
125	3x7	HM	5	HM	0	F	125	-	NEW FRAME/EXIST. DOOR FROM EXT. WALL, TO RECEIVE ACCESS CONTROL
129	3x7	HM	5	HM	0	X	EXT	-	EXISTING TO RECEIVE ACCESS CONTROL
129B	3x7	HM	5	ST	0	Z	129	-	EXISTING TO RECEIVE ACCESS CONTROL
130	3x7	HM	5	HM	0	X	EXT	-	EXISTING TO RECEIVE ACCESS CONTROL
131	3x7	HM	1	HM	0	X	EXT	-	TO RECEIVE ACCESS CONTROL
132A	PR 3x7	HM	1	HM	0	X	EXT	-	EXISTING TO RECEIVE ACCESS CONTROL
132B	3x7	HM	1	HM	0	X	EXT	-	EXISTING TO RECEIVE ACCESS CONTROL

DOOR MATERIAL LEGEND	
SYMBOL	MATERIAL DESCRIPTION
AL	ALUMINUM STOREFRONT SYSTEM
HM	HOLLOW METAL
WD	WOOD VENEER, SOLID CORE

FRAME MATERIAL LEGEND	
SYMBOL	MATERIAL DESCRIPTION
AL	ALUMINUM STOREFRONT SYSTEM
HM	HOLLOW METAL FRAME

DOOR HARDWARE SCHEDULE	
SET	DESCRIPTION
E	EXISTING EXTERIOR ALUMINUM ENTRANCE WITH EXISTING PUSH/PULL, DEADBOLT, AND CLOSER, TO RECEIVE ACCESS CONTROL BY OWNER
F	INTERIOR OFFICE DOOR WITH LOCKSET KEYS SEPARATELY
G	INTERIOR MEETING ROOM DOOR WITH LOCKSET KEYS SEPARATELY
H	INTERIOR SERVICE DOOR WITH LOCKSET - KEYS SEPARATE
S	INTERIOR PRIVACY DOOR WITH PRIVACY LOCKSET AND DOOR CLOSER
T	INTERIOR PASSAGE DOOR WITH PUSH/PULL HARDWARE AND DOOR CLOSER
W	INTERIOR SEALED ART STORAGE ROOM DOOR, W/ LOCKSET, CLOSER, ASTRAGAL, WEATHERSTRIPPING AND THRESHOLD, KEYS ALIKE, TO RECEIVE ACCESS CONTROL BY OWNER
X	EXTERIOR DOOR WITH LOCKSET, CLOSER, THRESHOLD, AND WEATHERSTRIPPING, KEYS ALIKE, TO RECEIVE ACCESS CONTROL BY OWNER
Z	INTERIOR DOOR WITH LOCKSET, CLOSER, KEYS ALIKE, TO RECEIVE ACCESS CONTROL BY OWNER

DOOR, FRAME, AND HARDWARE NOTES

TYPICAL DOOR FINISHES:

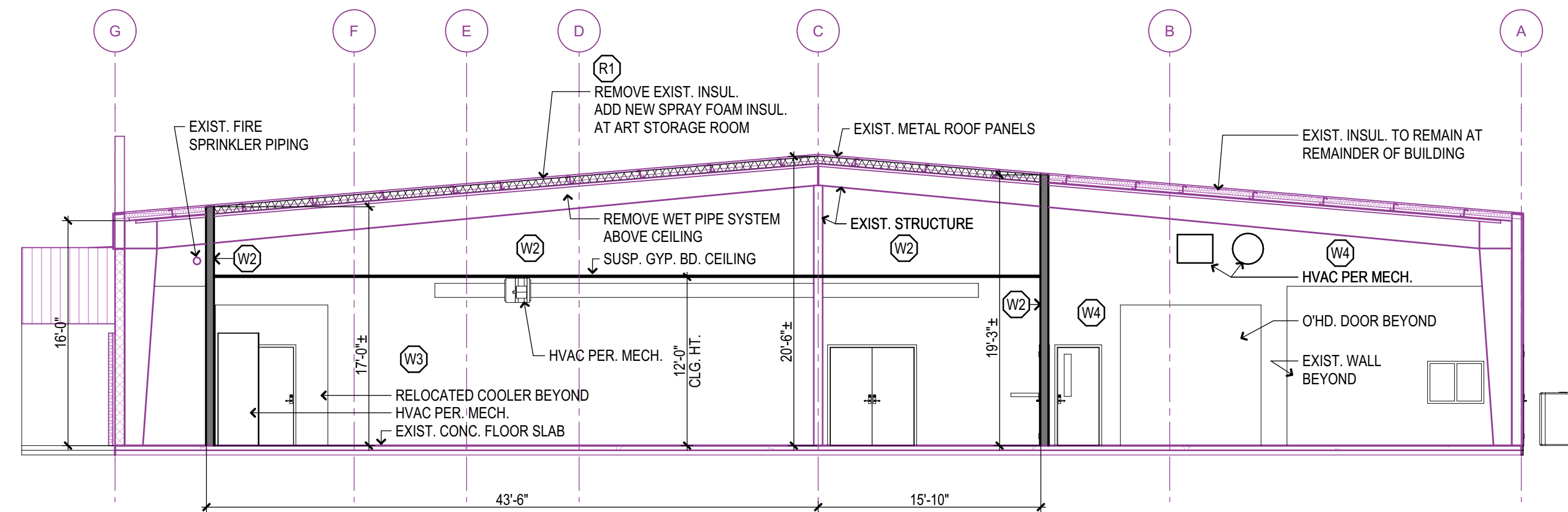
- ALL HOLLOW METAL FRAMES AND DOORS TO BE ALKYD PAINT, SATIN FINISH.
- ALL INTERIOR ALUMINUM STOREFRONT AND FRAMES TO BE CLEAR ANODIZED FINISH EXCEPT WHERE NOTED.
- ALL WOOD DOORS TO BE ALKYD PAINT, SATIN FINISH.

GLAZING:

- ALL GLAZING IN DOORS AND ADJACENT SIDELITES SHALL BE FULLY TEMPERED SAFETY GLASS.

DOOR HARDWARE:

- FINAL DOOR HARDWARE SHALL BE SPECIFIED AND PROVIDED BY AN ARCHITECTURAL HARDWARE CONSULTANT (AHC).
- COORDINATE W/ OWNER FOR KEYING REQUIREMENTS.
- ALL HARDWARE SHALL COMPLY WITH IBC 1010.1. ALL HARDWARE SHALL BE ACCESSIBLE / ADA COMPLIANT UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE NOT PERMITTED UNLESS ALLOWED BY IBC 1010.1.9.4.
- THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION UNLESS ALLOWED PER IBC 1010.1.9.5.



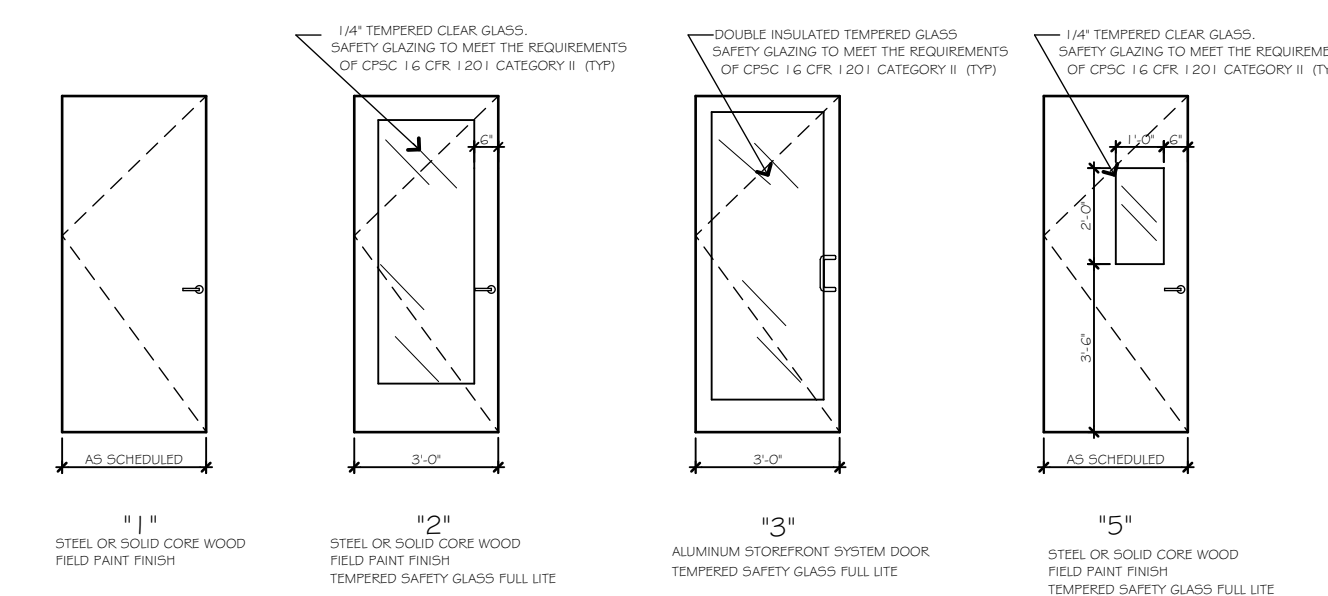
2 ART STORAGE SECTION
1/8" = 1'-0"
0 4' 8' 16'

WALL & ROOF ASSEMBLY KEYNOTES

EXISTING WALL AND ROOF ASSEMBLIES TO REMAIN UNLESS NOTED OTHERWISE

- (R1) AT ART STORAGE ROOM, REMOVE EXISTING VINYL FACED INSULATION AT EXISTING ROOF. APPLY MIN. R20 SPRAY FOAM INSULATION / VAPOR BARRIER APPLIED TO INTERIOR SIDE OF EXTERIOR METAL ROOF PANELS. PROVIDE NEW SUSPENDED 1/2" GYPSUM BOARD CEILING AT 12'-0" A.F.F., PAINTED.
- (W2) AT ART STORAGE ROOM, INSTALL NEW 6" MTL. STUDS WITH 5/8" GYPSUM BOARD AT OUTSIDE FACE, EXTENDING TO UNDERSIDE OF ROOF STRUCTURE. APPLY MIN. R20 SPRAY FOAM INSULATION / VAPOR BARRIER. INSIDE FACE TO BE 5/8" GYPSUM BOARD, PAINTED, EXTENDING TO GYPSUM BOARD CEILING ABOVE.
- (W3) AT ART STORAGE ROOM, ADJACENT TO EXISTING CMU WALL, PROVIDE 2 1/2" MTL. STUDS AT FACE OF EXISTING WALL, WITH WALL ASSEMBLY 'W2' ABOVE TO ROOF DECK. ALIGN WALL FACE WITH ADJACENT CONSTRUCTION. APPLY MIN. R20 SPRAY FOAM INSULATION / VAPOR BARRIER AT WALL. INSTALL 5/8" GYPSUM BOARD, PAINTED, AT INSIDE FACE EXTENDING TO GYPSUM BOARD CEILING ABOVE.
- (W4) AT RECEIVING ROOM AND WAREHOUSE, INSTALL NEW 6" MTL. STUDS WITH 5/8" GYPSUM BOARD AT EACH FACE WITH 6" UNFACED FIBERGLASS BATT INSULATION EXTENDING TO UNDERSIDE OF ROOF STRUCTURE.

1 DOOR TYPES
1/4" = 1'-0"
0 2' 4' 8'



Sheet Title
DOOR SCHEDULE AND DETAILS

Drawn Project Number 2244

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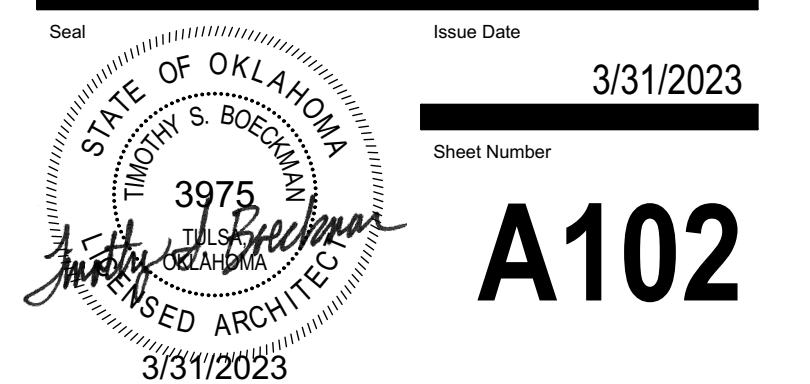
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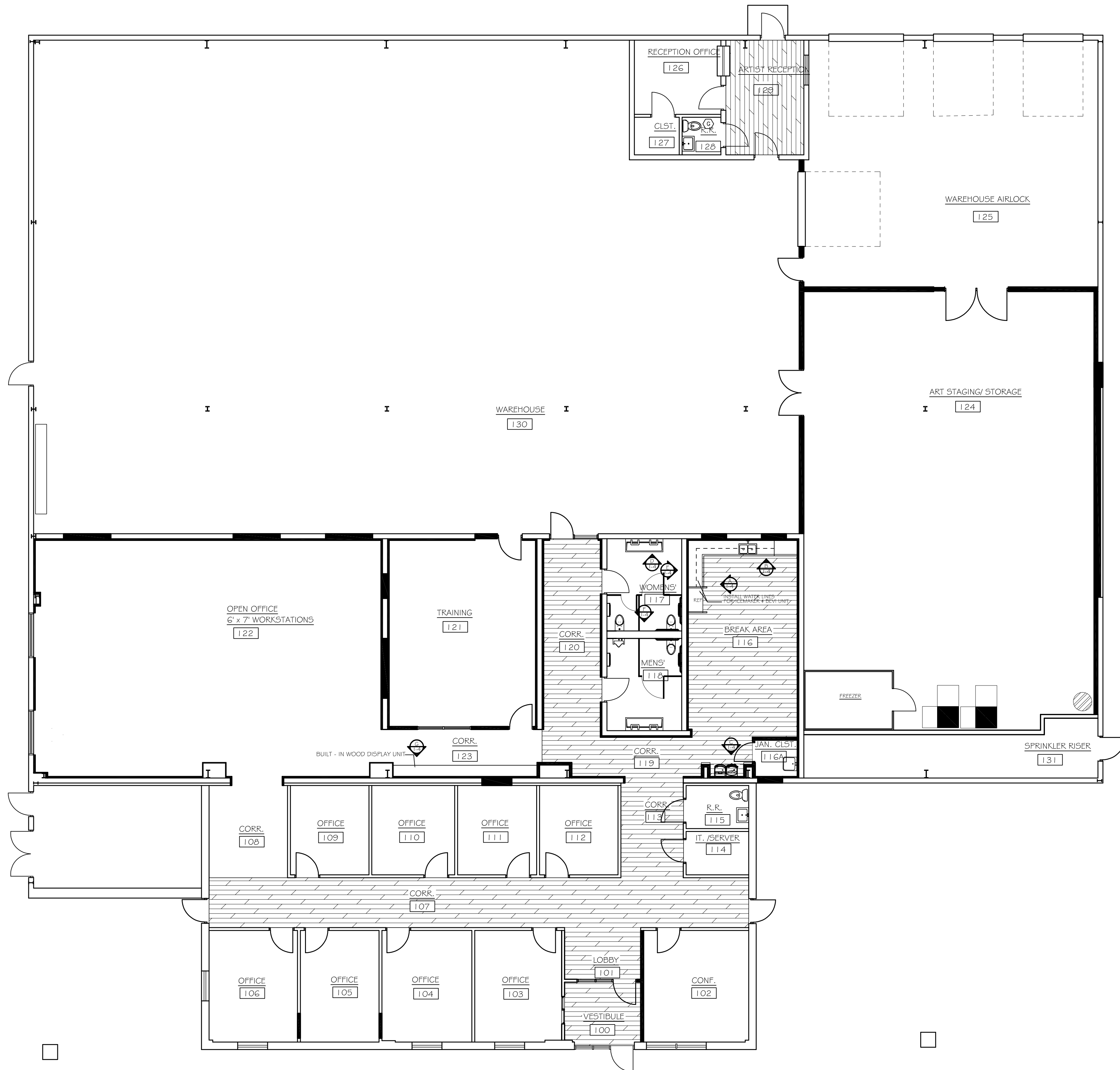


A102

**INTERIOR SPACES
DESIGN STUDIO, INC.**

MARTINA GANGEL
OK. REGISTERED INTERIOR DESIGNER #5183

Revision Date	Revision



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

Project Title

**CHEROKEE NATION
CULTURAL TOURISM
OFFICES**

591 Main Pkwy, Tahlequah, OK 74464

**CHEROKEE NATION CULTURAL AND
ECONOMIC DEVELOPMENT LLC**

Sheet Title

INTERIOR FLOOR PLAN

Drawn Project Number 2244

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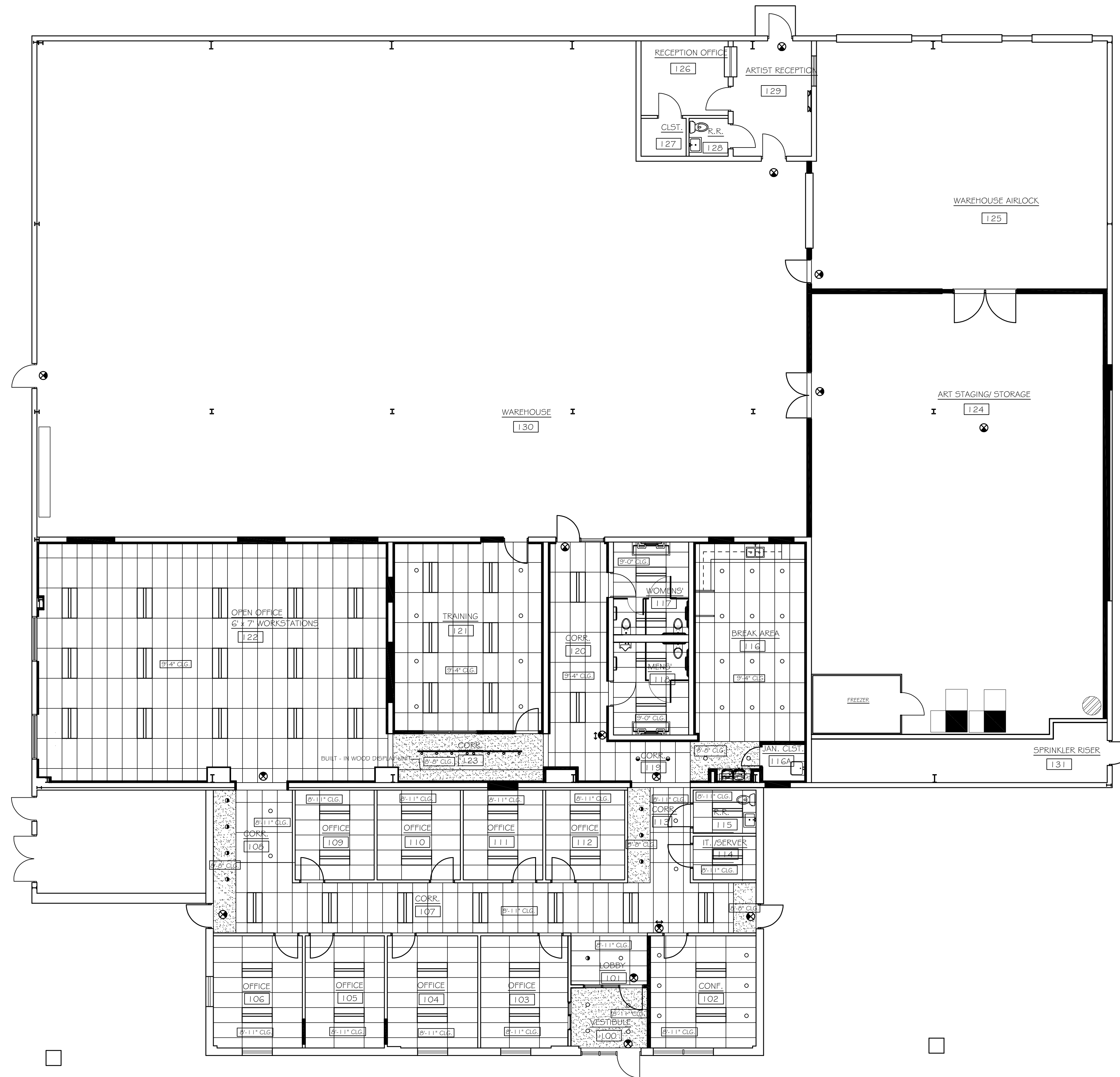
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**INTERIOR SPACES
DESIGN STUDIO, INC.**

MARTINA GANGEL
OK. REGISTERED INTERIOR DESIGNER #5183

Revision Date	Revision



REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

Project Title

**CHEROKEE NATION
CULTURAL TOURISM
OFFICES**

591 Main Pkwy, Tahlequah, OK 74464

**CHEROKEE NATION CULTURAL AND
ECONOMIC DEVELOPMENT LLC**

Sheet Title

**REFLECTED CEILING
PLAN**

Drawn Project Number 2244

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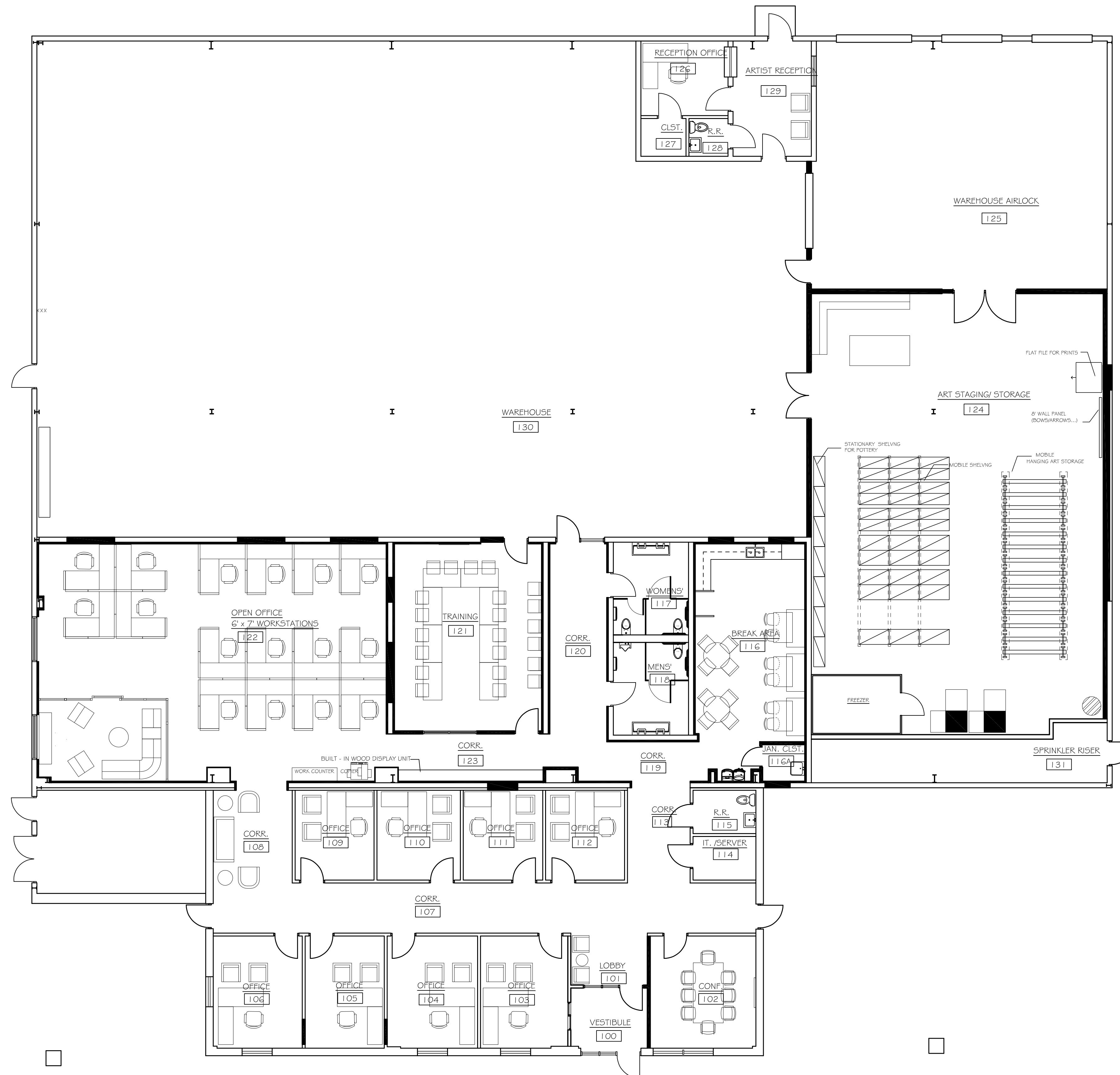
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**INTERIOR SPACES
DESIGN STUDIO, INC.**

MARTINA GANGEL
OK. REGISTERED INTERIOR DESIGNER #5183

Revision Date	Revision



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

Project Title

**CHEROKEE NATION
CULTURAL TOURISM
OFFICES**

591 Main Pkwy, Tahlequah, OK 74464

CHEROKEE NATION CULTURAL AND
ECONOMIC DEVELOPMENT LLC

Sheet Title

**INTERIOR FURNITURE
PLAN**

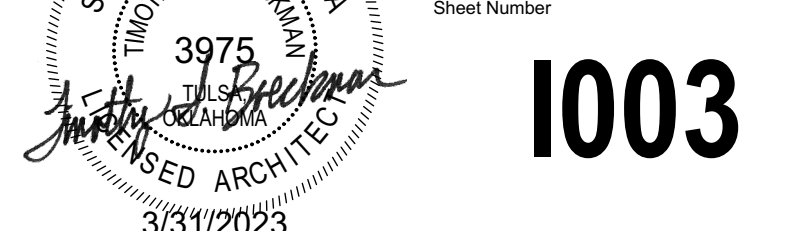
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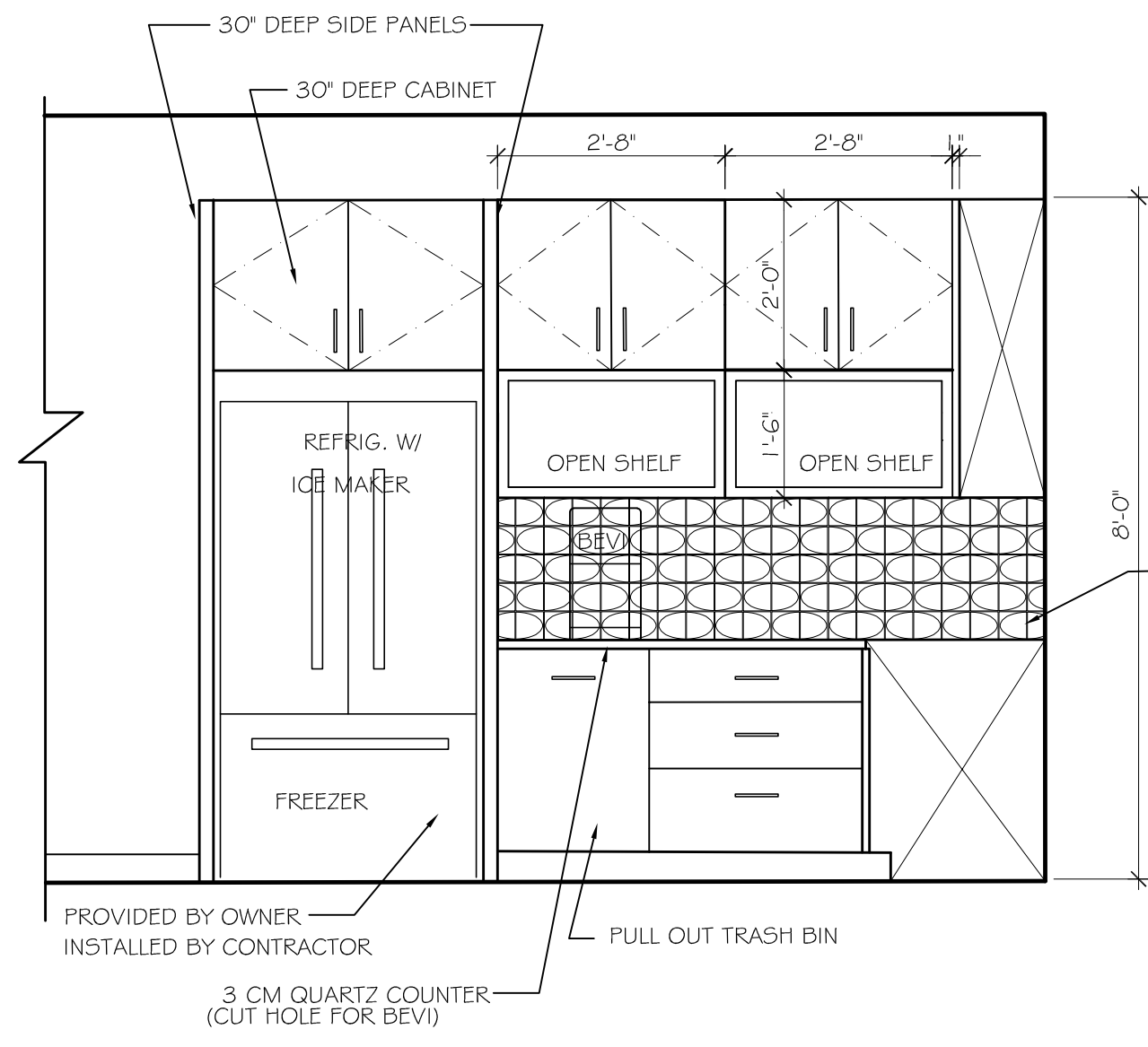
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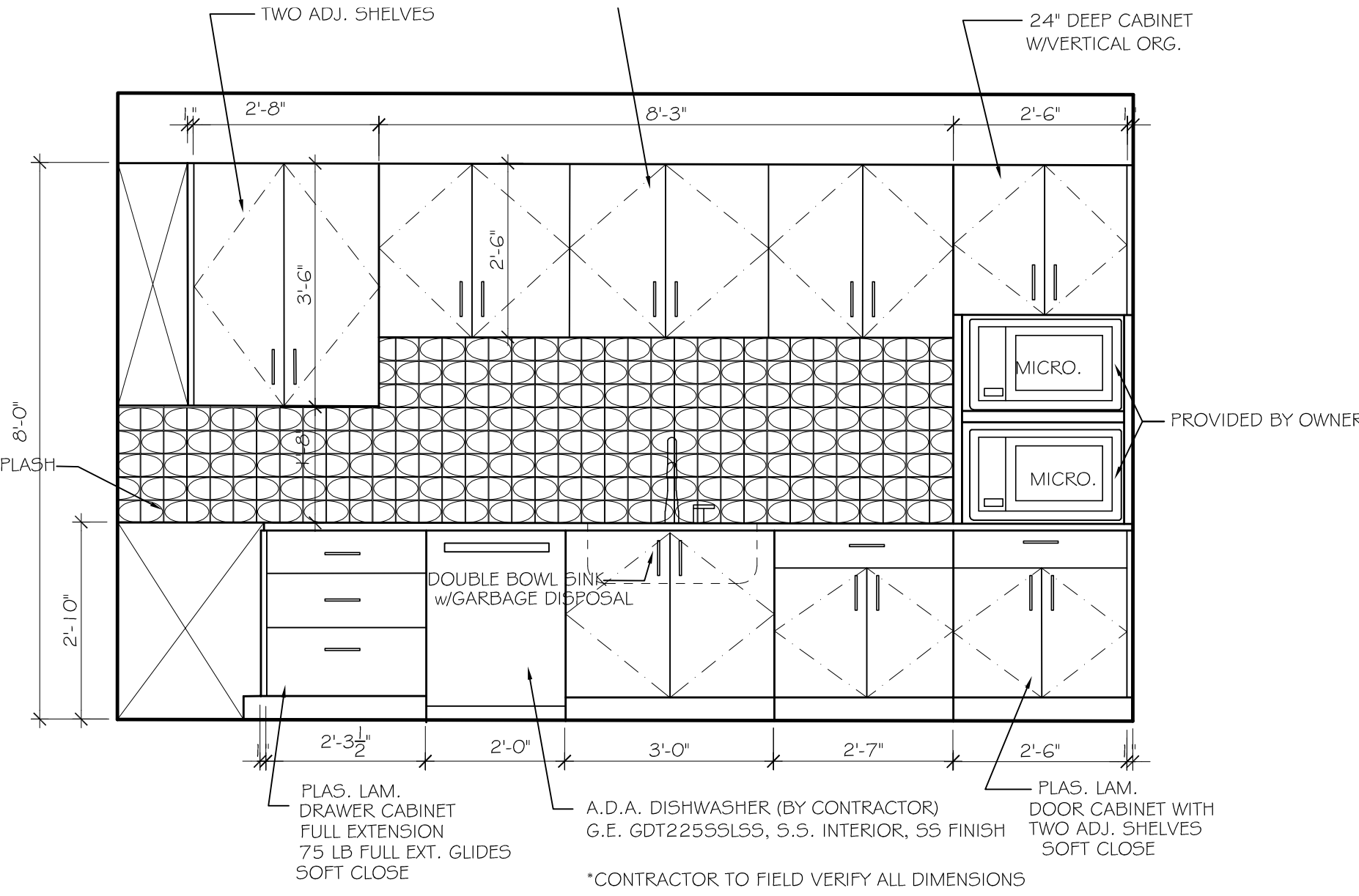
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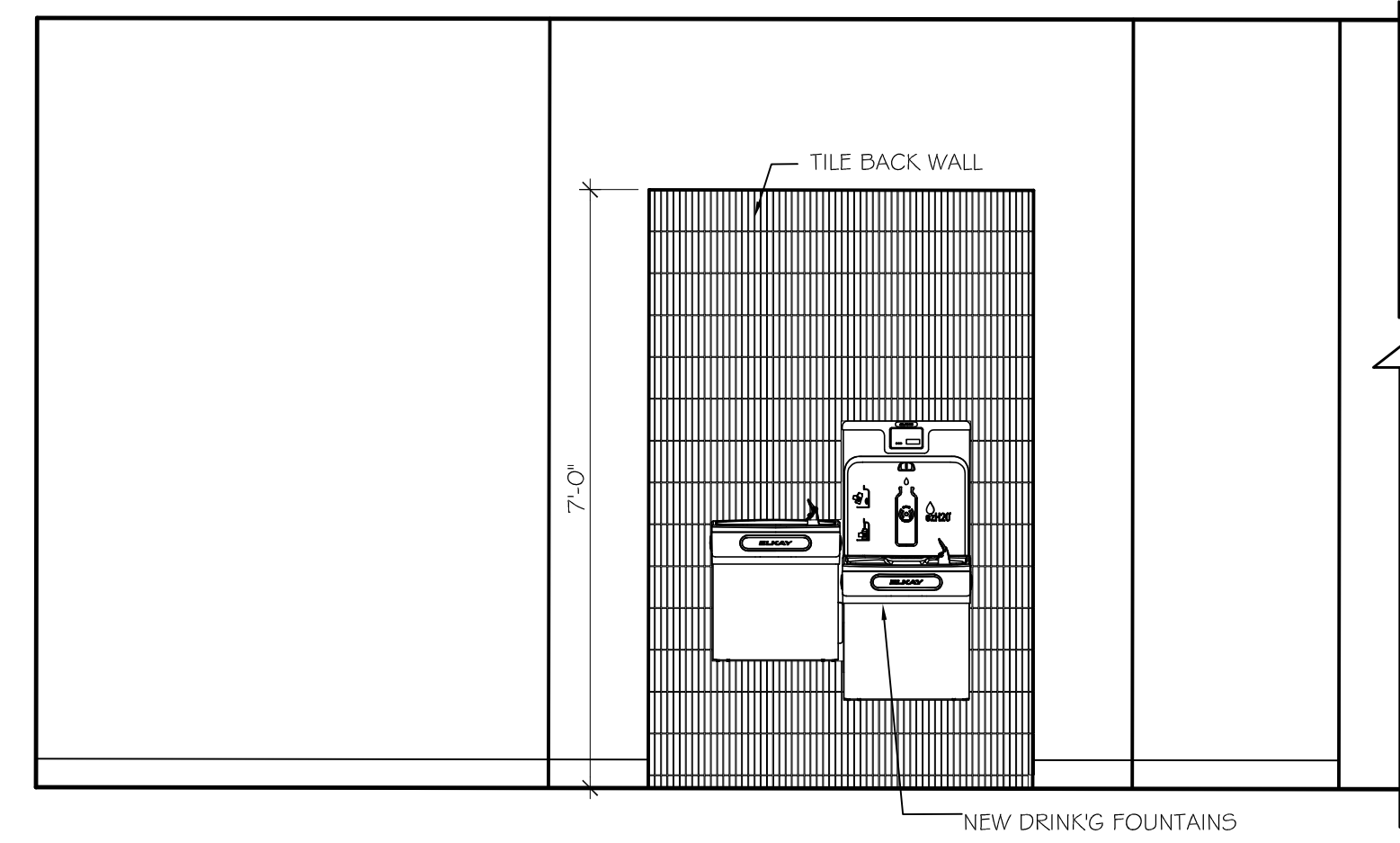
1003



A. ELEVATION @ BREAK ROOM 116
SCALE: 1/2" = 1'-0"



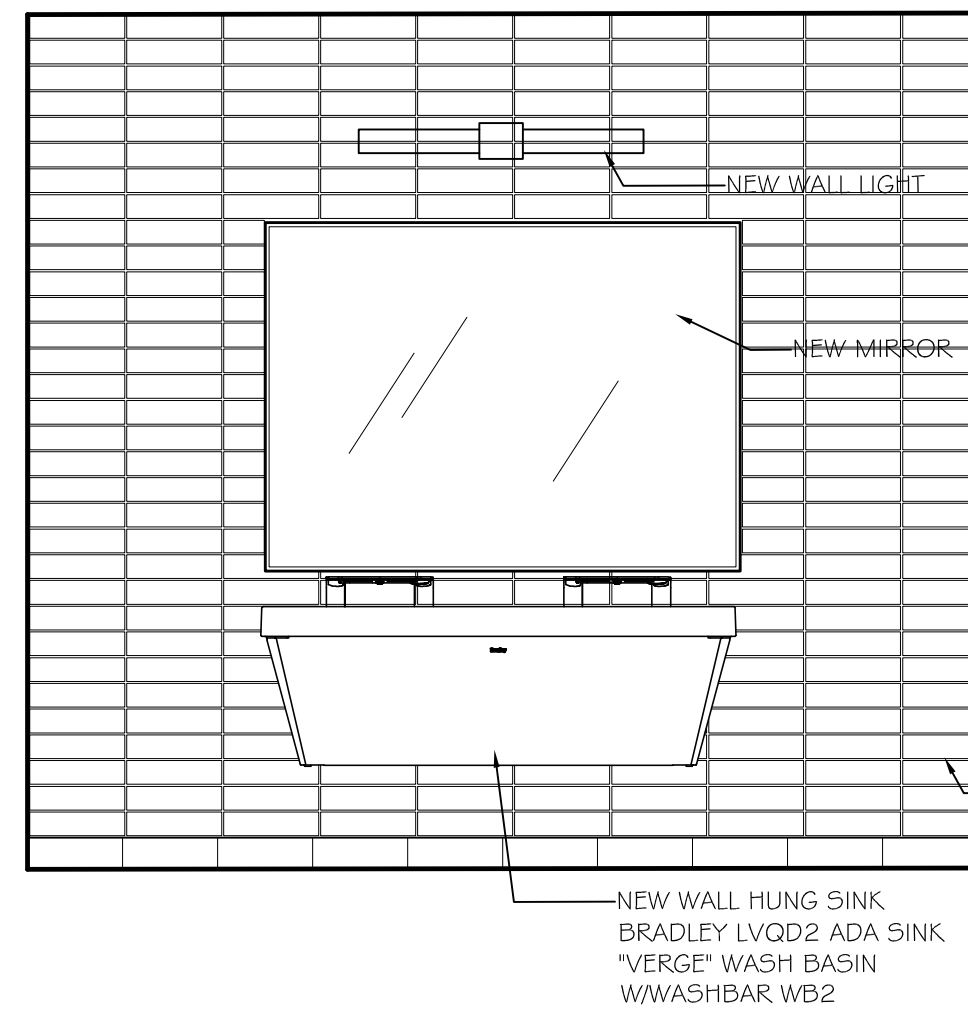
B. ELEVATION @ BREAK ROOM 116
SCALE: 1/2" = 1'-0"



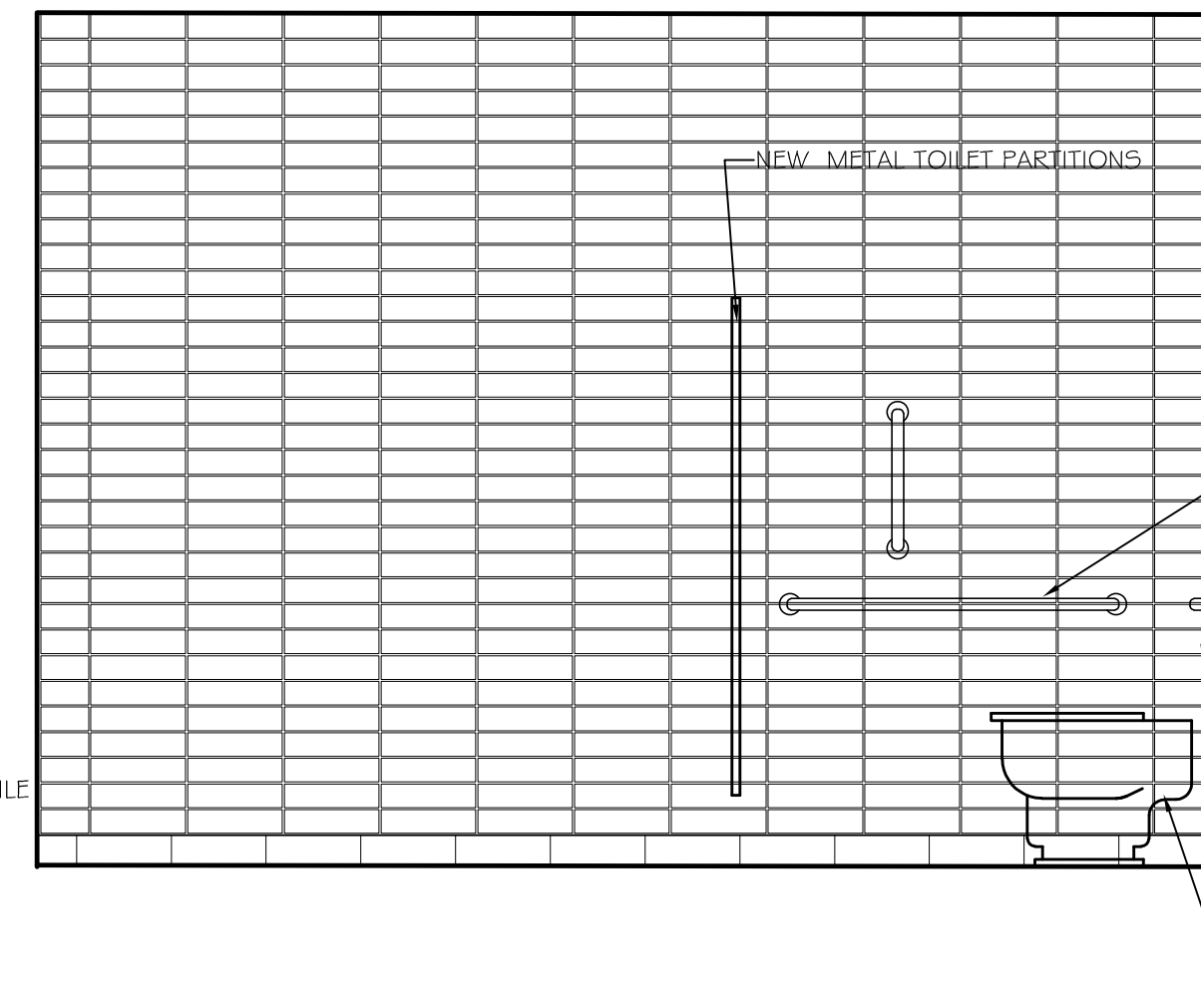
C. ELEVATION @ WATER FOUNTAINS
SCALE: 1/2" = 1'-0"

FINISH LEGEND		
Code	Material	Description
AT1	Acoustic Tile	New Ceiling Grid (15/16"), white, with new ceiling tiles: 2 x 4, Armstrong, Cortega, Tegular, Medium Texture, Second look
CT1	Carpet Tile	Mannington Commercial, Memento 12" x 48", color: Wreath, 3 Step Vertical Ashlar install
LVP1	Luxury Vinyl Plank	Parterre, Vertu, Oak In Rain, 6" x 36"
FRP	Fiberglass Reinf. Panel	white finish
P1	Paint	Sherwin Williams, Agreeable Gray, SW 7029, Latex Acrylic, Eggshell Sheen
P2	Paint	Clark & Kensington, Hidden Magic, 32B-7, Latex Acrylic, Eggshell Sheen,
P3	Paint	Sherwin Williams, Nugget, SW 6697, Latex Acrylic, Eggshell Sheen
P4	Paint	Sherwin Williams, Tansy Green, SW 6424, Enamel, Satin Sheen
P5	Paint	Sherwin Williams, Agreeable Gray, SW 7029 Enamel, Satin Sheen
P6	Paint	Sherwin Williams, Pure White, Latex Acrylic, Eggshell Sheen
P7	Paint	Sherwin Williams, Tansy Green, SW 6424, Latex Acrylic, Eggshell Sheen
PL1	Plastic Laminate	Formica, White Ash, 8841-WR, Woodbrush
Q1	Quartz	Caesarstone, Sleek Concrete, 4003
RB1	Rubber Base	Johnsonite, 4" Recess base, (Burnt Umber)
T1	Tile	Crossville, Basalt, color: Bedrock, Porcelain, 12" x 24", 1/3 staggered joint install
T2	Tile	Emser, Settecanto, Oxida White 3" x 12", Horizontal install with aligned joints
T3	Tile	Emser, Souvenir, color: Sintra, Vertical install
T4	Tile	Emser, Ellipse Mosaic, color: Mizu Green Glossy, Horizontal install, stagger pattern
TB1	Tile Base	Crossville, Basalt, color: Bedrock, Porcelain, 4" x 12" Cove base
GROUT 1		Custom, color: 11 Snow White
GROUT 2		Custom, color: 09 Natural Gray
VCT	Vinyl Composition Tile	Armstrong, Excelon, Stonetex, color: 52162 Cement

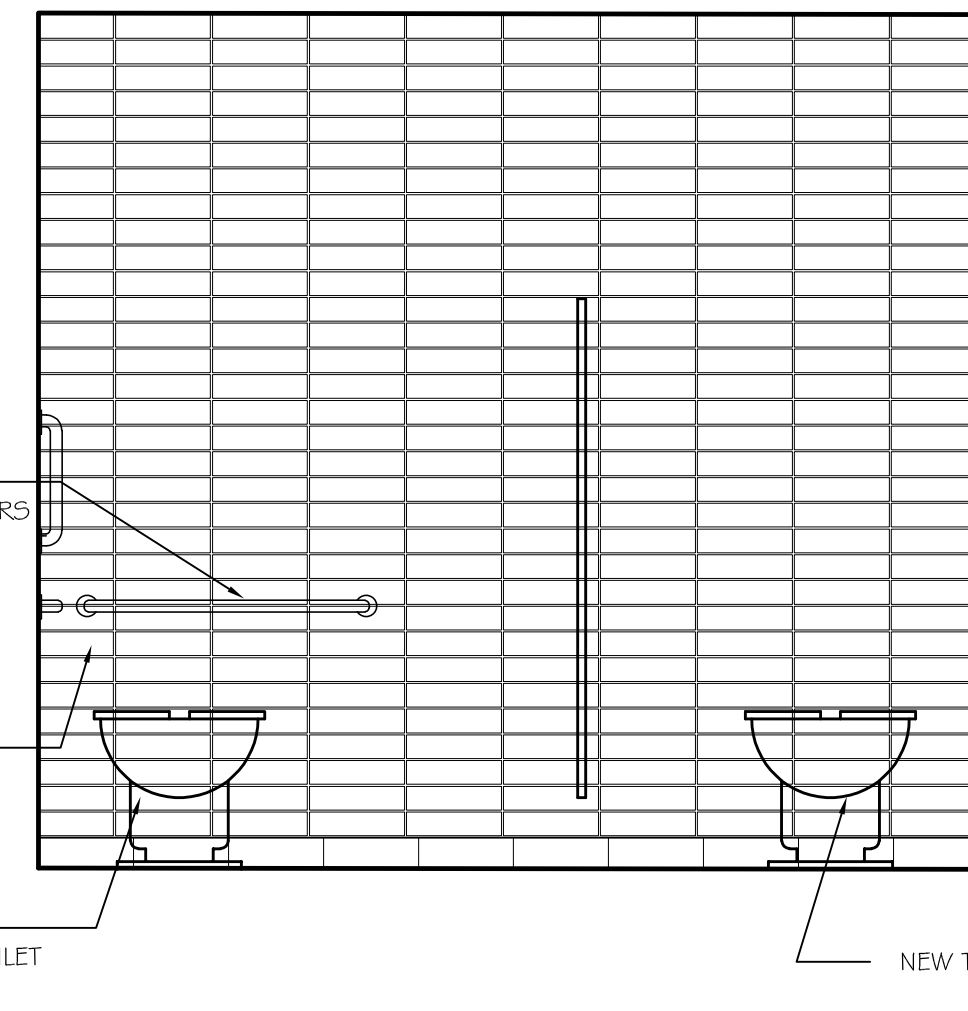
- General Notes:**
- DOORS TYPE WD-2 TO BE PAINTED P4 UNLESS OTHERWISE NOTED.
 - PAINT P5 ON ALL OTHER TYPE DOORS & P5 ON ALL JAMBS UNLESS OTHERWISE NOTED.
 - GROUT 1 TO BE USED IN ALL BREAKROOMS/DRINKING FOUNTAIN AREAS.
 - GROUT 2 TO BE USED IN ALL RESTROOMS, ON FLOOR AND WALLS.
 - P6 ON ALL GYP. CEILINGS/SOFFITS UNLESS OTHERWISE NOTED.
 - FOR ALL PAINTS - CONTRACTOR TO SUBMIT 4" x 4" SAMPLE ON SITE FOR CLIENT APPROVAL.



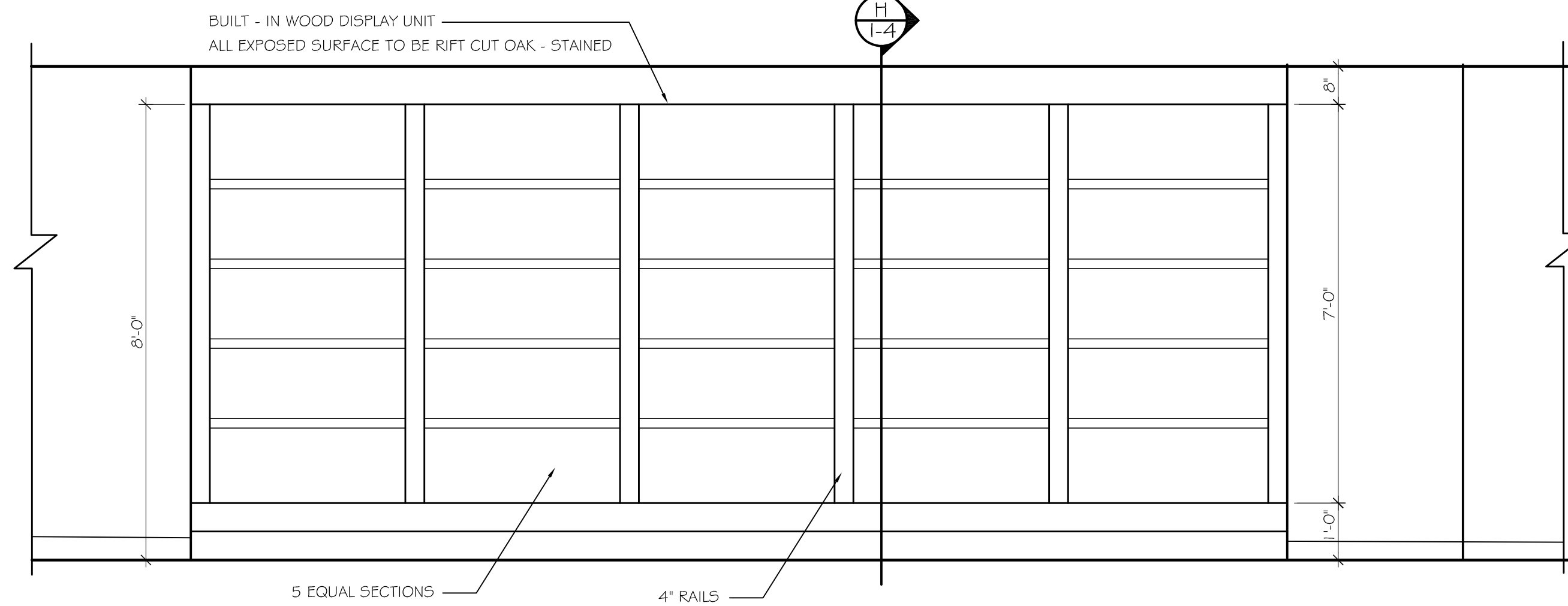
D. ELEVATION @ WOMENS' ROOM
SCALE: 1/2" = 1'-0"



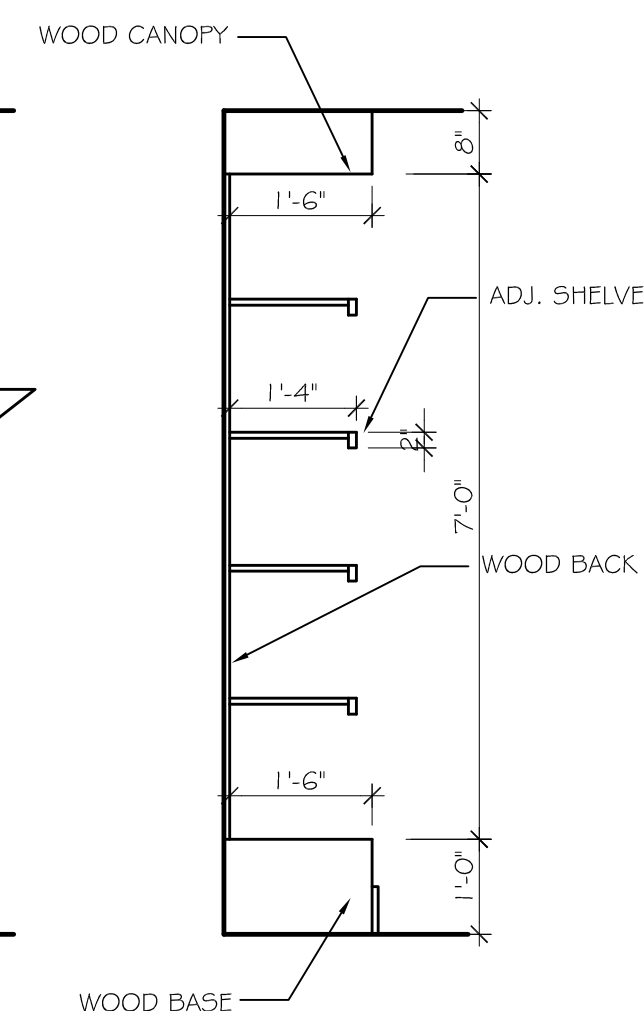
E. ELEVATION @ WOMENS' ROOM
SCALE: 1/2" = 1'-0"



F. ELEVATION @ WOMENS' ROOM
SCALE: 1/2" = 1'-0"



G. ELEVATION @ COORIDOR 123 DISPLAY
SCALE: 1/2" = 1'-0"



H. SECTION THRU DISPLAY
SCALE: 1/2" = 1'-0"

Room No.	Room Name	Floor	Base	Walls				Millwork Cabinet	Counter	Ceiling	Notes
				North	East	South	West				
100	Vestibule	LVP1	RB1	P2	P1	P2	P1			GYP	
101	Lobby	LVP1	RB1	P2	P1	P2	P1			AT1	
102	Conference	CT1	RB1	P3	P1	P1	P1			AT1	
103	Office	CT1	RB1	P1	P1	P1	P1			AT1	
104	Office	CT1	RB1	P1	P1	P1	P1			AT1	
105	Office	CT1	RB1	P1	P1	P1	P1			AT1	
106	Office	CT1	RB1	P1	P1	P1	P1			AT1	
107	Corridor	LVP1	RB1	P7	P1	P3	P1			AT1/GYP	
108	Corridor	CT1	RB1	P7	P1	P1	P1			AT1/GYP	
109	Office	CT1	RB1	P1	P1	P1	P1			AT1	
110	Office	CT1	RB1	P1	P1	P1	P1			AT1	
111	Office	CT1	RB1	P1	P1	P1	P1			AT1	
112	Office	CT1	RB1	P1	P1	P1	P1			AT1	
113	Corridor	LVP1	RB1	P2	P1	P1	P1			AT1/GYP	
114	I.T./Server	VCT1	RB1	P1	P1	P1	P1			AT1	
115	Restroom	T1	TB1	P1/T2	P1/T2	P1/T2	P1/T2			AT1	TILE WAINSCOT TO 60" W/SCHLUTER TRIM
116	Break Area	LVP1	RB1	P1	P1	P3	P1	PL1/T4	Q1	AT1	FULL HGHT. T4 TILE BACKSPLASHES
116A	Jan. Closet	VCT1	RB1	FRP	FRP	FRP	FRP			AT1	
117	Womens'	T1	TB1	T2	T2	T2	T2			AT1	FULL TILE WALLS
118	Mens'	T1	TB1	T2	T2	T2	T2			AT1	FULL TILE WALLS
119	Corridor	LVP1	RB1	P1	P1	P1	P1			AT1/GYP	
120	Corridor	LVP1	RB1	P1	P1	P1	P1			AT1	
121	Training	CT1	RB1	P2	P1	P1	P1			AT1	
122	Open Office	CT1	RB1	P1	P2	P1	P1			AT1	
123	Corridor	CT1	RB1	P1	P1	P1	P1			GYP.	P3 ON GYP. CEILING
124	Art Staging/Storage	CONC.	RB1	P1	P1	P1	P1			GYP.	P6 ON GYP. CEILING & ALL EXPOSED MECHANICAL EQUIPMENT & SYSTEMS
125	Warehouse Airlock	CONC.	RB1	P6	P6	P6	P6			EXIST'G	
126	Reception Office	CT1	RB1	P1	P1	P1	P1			EXIST'G	
127	Closet	CT1	RB1	P1	P1	P1	P1			EXIST'G	
128	Restroom	T1	TB1	P1/T2	P1/T2	P1/T2	P1/T2			EXIST'G	TILE WAINSCOT TO 60" W/SCHLUTER TRIM
129	Artist Reception	LVP1	RB1	P1	P1	P2	P1			EXIST'G	
130	Warehouse	CONC.	RB1	P6	P6	P6	P6			EXIST'G	PAINT EXT'G CMU WALLS & NEW GYP. WALLS

Revision Date	Revision

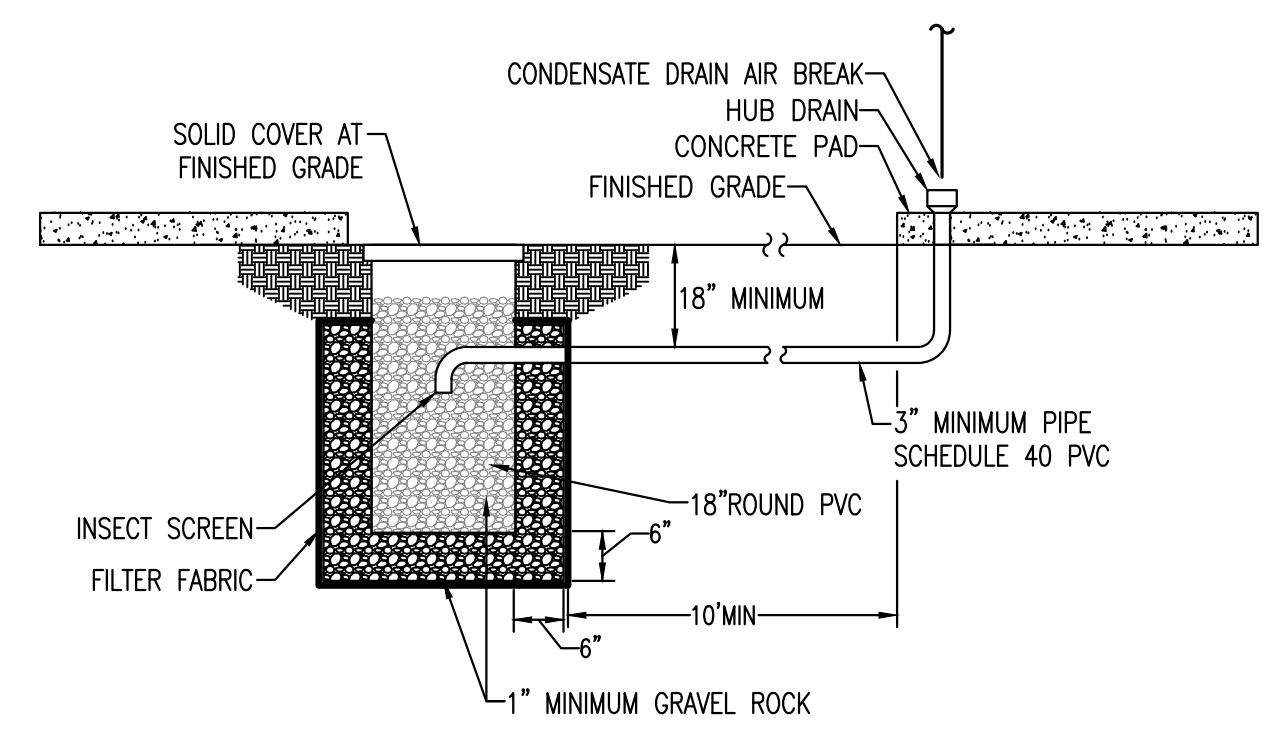
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SIZE	MANUFACTURER		CARRIER				PIPING CONNECTIONS (IN)				REMARKS/ACCESSORIES
			MODEL #	TRAP	SOIL	VENT	CW	HW					
WC-1	WATER CLOSET	ELONGATED BOWL	KOHLER	FLOOR	(4)	(2)	(1-1/4)	-	1.28 GPF, SLOAN ROYAL OPTIMA 111 ES-S TWO FV, EL-154 XMR(OPERATE 8 FLUSH VALVES), BEMIS 9500SSCT SEAT, WHITE OPEN FRONT W/SS CHECK HINGE				
	WHITE	VC	K-96053	INTEGRAL	4	2	1	-					
WC-1H	WATER CLOSET	ELONGATED BOWL	KOHLER	FLOOR	(4)	(2)	(1-1/4)	-	1.28 GPF, SLOAN ROYAL OPTIMA 111 ES-S TWO FV, EL-154 XMR(OPERATE 8 FLUSH VALVES), BEMIS 9500SSCT SEAT, WHITE OPEN FRONT W/SS CHECK HINGE				
	WHITE	VC	K-96057	INTEGRAL	4	2	1	-					
UR-1&1H	URINAL	WASHOUT	KOHLER	ZURN Z1222	(2)	(1-1/2)	(1)	-	0.5 GPF SLOAN ROYAL OPTIMA 186-0.5 ES-S, TWO FV, EL-154 XMR(OPERATE 8 FLUSH VALVES), TOP SPD				
	WHITE	VITREOUS CHINA	K-4991-ET	INTEGRAL	2	1-1/2	3/4	-					
L-1H	LAVATORY	20x18	BRADLEY	WALL	(2)	(1-1/2)	(1/2)	(1/2)	VERGE W/WASHBAR TECHNOLOGY BRUSHED STAINLESS, LIQUID SOAP DISPENSER W/TOP FILL, ANTERICE FINISH, 0.5 GPM, SWING DOWN SS PANEL W/THUMB SCREW, BRUSHED STAINLESS CONTROLS, CD, THERMOSTATIC MIXING VALVE, SS TRENCH DRAIN CAP.				
	WHITE	WALL MOUNT	LVQD2-EC-5	17GA. CP TUBE	1-1/4	1-1/4	3/8	3/8					
SK-1	LOUNGE SINK	33 X 22 X 7-1/2	ELKAY	COUNTERTOP	(2)	(2)	(1/2)	(1/2)	T&S BRASS B-2731 FAUCET, 1.5 GPM, 8-1/2" SPOUT WITH LEVER HANDLE, LK3C STRAINERS, CP SUPPLIES, WHEEL HANDLE STOPS, MIXING VALVE WATTS LFUSG-B.				
FD-1	FLOOR DRAIN	6" STRAINER	ZURN	FLOOR	(3)	(2)	-	-	ADJUSTABLE TOP, SEDIMENT BUCKET, TRAP SEAL				
	STD	CAST IRON	Z-415B-Y	DEEP SEAL C.I.	3	2	-	-					
EWC-1	ELEC. WATER CLR.	8.0 GPH	ELKAY	ZURN Z-1225	(2)	(1-1/2)	(1/2)	-	FRONT BUTTON, WALL SPLASH GUARD, SUPPLY W/ STOP VALVE, 120/1/60, BOTTLE FILLING STATION ON ADA				
	STD.	WALL MOUNTED, HI/LO	VRCGRNTLBSWK	17GA. CP, P-TRAP	1-1/4	1-1/4	3/8	-					

- NOTES:**
- ALL WALL MOUNTED EQUIPMENT TO BE PROVIDED WITH ADDITIONAL REINFORCING IN WALL CONSTRUCTION.
 - ALL LAVATORY AND SINK SUPPLIES TO BE CHROME PLATED WITH STOP VALVES.
 - LOCATE FLUSH VALVES FOR HANDICAP ACCESSIBLE WATER CLOSETS WITH ACTUATOR ON WIDE ACCESS SIDE OF FIXTURE.
 - INSULATE HANDICAP ACCESSIBLE LAVATORY TAILPIECE, WASTE P-TRAP, HOT WATER SUPPLY, AND COLD WATER SUPPLY WITH TRU-BRO MODEL 102 & 105

GAS PIPING GENERAL NOTES:

- WORK SHOWN ON THE DRAWINGS IS TO BE COORDINATED WITH WORK OF ALL OTHER TRADES AND ACTUAL CONDITIONS OF CONSTRUCTION.
- FURNISH AND INSTALL INDIVIDUAL GAS SHUT-OFF VALVE AND UNION AT EACH GAS FIRED APPLIANCE AND BUILDING PENETRATION THRU ROOF OR EXTERIOR WALLS.
- GAS SHUT OFF VALVE SHALL BE FULL SIZE OF REQUIRED EQUIPMENT BRANCH RUNOUT PIPE SIZE BASED ON GAS PRESSURE AND FURTHERMOST PIPE DISTANCE FROM GAS METER OR POINT OF PRESSURE REDUCTION. RUNOUT PIPE SHALL NOT BE REDUCED TO EQUIPMENT CONNECTION PIPE SIZE UNTIL IMMEDIATELY AHEAD OF CONNECTION TO EQUIPMENT. VALVES SHALL NOT BE LOCATED ABOVE CEILING.
- BRANCH GAS PIPING SHALL BE CONNECTED TO THE TOP OR SIDE OF HORIZONTAL PIPING.
- GAS PIPING SHALL NOT BE INSTALLED IN CONCEALED LOCATIONS UNLESS PROPERLY SLEEVED AND VENTED TO THE OUTSIDE OF THE BUILDING. WHERE VERTICAL CHASES ENCLOSE PIPE RISERS, CHASES SHALL BE FIRE RATED AND VENTILATED AT THE TOP WITH FREE AREA VENTS EQUAL TO OR GREATER THAN ONE-HALF THE SERVICE PRESSURE IN INCHES WATER COLUMN TIMES THE NOMINAL DIAMETER OF THE PIPE. GAS PIPING JOINTS WITHIN CONCEALED SPACES SHALL BE WELDED.
- GAS PIPING SHALL NOT BE INSTALLED BELOW BUILDING SLAB UNLESS SPECIFICALLY INDICATED. WHERE INDICATED TO BE BELOW SLAB, PIPING SHALL BE SLEEVED AND VENTED TO THE OUTSIDE.
- INSTALL GAS PIPING AT UNIFORM GRADE OF 0.1 PERCENT SLOPE UPWARD TOWARDS RISERS.
- USE ECCENTRIC REDUCERS TO MAKE REDUCTIONS IN PIPE SIZES IN HORIZONTAL PIPING. INSTALL FITTINGS WITH LEVEL SIDE ON BOTTOM OF PIPING.
- INSTALL PIPING SO AS TO ALLOW FOR SERVICE AND MAINTENANCE OF EQUIPMENT AND APPLIANCES.
- OPEN ENDS OF GAS PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT INTRODUCTION OF FOREIGN MATERIALS. VALVE AND PIPING OUTLETS SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND LEFT CLOSED UNTIL FINAL CONNECTION TO EQUIPMENT OR APPLIANCES.
- ANCHOR PIPING TO CONTROL PIPE MOVEMENT. LOCATION OF ANCHOR POINTS SHALL BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
- PROVIDE EXPANSION LOOP IN GAS PIPING WHERE BUILDING EXPANSION JOINTS ARE CROSSED.
- PROVIDE DOUBLE 90 DEGREE OFFSETS IN PIPING RUNOUTS TO ROOF MOUNTED GAS FIRED EQUIPMENT AND ROOF PENETRATIONS. INSTALL PIPING WITH DISTANCE BETWEEN ELBOWS TO ALLOW FOR MOVEMENT OF PIPING SYSTEM.
- DIVISION 15 CONTRACTOR SHALL WIRE BRUSH AND PAINT ALL GAS PIPE AND ACCESSORIES EXPOSED TO WEATHER. PAINT COLOR TO BE PER ARCHITECT'S DIRECTION, UNLESS SPECIFICALLY DICTATED BY LOCAL CODE.
- GAS PIPING SHALL ENTER THE BUILDING A MINIMUM OF 12 INCHES ABOVE FINISHED GRADE.
- GAS PIPING ROOF SUPPORTS TO BE SPACED AS REQUIRED FOR PIPE SIZE INSTALLED PER SPACING LISTED IN SPECIFICATIONS FOR PIPE HANGERS. PIPING SUPPORT SHALL ELLEVATE PIPING ABOVE ROOF AND BE SET ON ROOF TREAD MAT EXTENDING A MINIMUM OF 6 INCHES BEYOND SUPPORT ON ALL SIDES. CONTAINMENT STRAP SHALL BE A MINIMUM OF TWO PIPE SIZE LARGER THAN INSTALLED PIPE SIZE AND ALLOW FOR TWO DEGREES OF PIPE MOVEMENT WITHOUT MOVING PIPE SUPPORT.
- LOCATE PIPING SUPPORTS AWAY FROM PIPE JOINTS TO ALLOW FREE MOVEMENT OF PIPING WITHOUT INTERFERENCE OF PIPE SUPPORTS.
- GAS PIPE ROOF PENETRATION TO BE MADE THROUGH HOODED ROOF CURB OR OTHER METHOD APPROVED BY THE ARCHITECT AND ROOFING MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS TO MAINTAIN ROOF WARRANTY.
- THE CONTRACTOR IS TO VERIFY THE FINAL APPROVED LOCATION OF THE GAS SERVICE METER AND/OR PRESSURE REDUCING STATION AND ADJUST THE GAS PIPE SIZES INDICATED FOR THE TOTAL SYSTEM LENGTH IF DIFFERENT FROM THE DISTANCE LISTED OR SHOWN ON THE DRAWINGS. DRAWINGS INDICATING THE SYSTEM REVISIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
- COORDINATE INSTALLATION OF GAS SERVICE METER AND PRESSURE REGULATING STATIONS WITH THE GAS UTILITY COMPANY. PROVIDE ALL VALVES AND PIPING ARRANGEMENT FOR INSTALLATION OF THE SERVICE GAS METER AND PRESSURE REGULATING EQUIPMENT AS DIRECTED BY THE GAS UTILITY COMPANY.
- PLASTIC GAS SERVICE PIPE SHALL BE INSTALLED WITH AN INSULATED COPPER TRACE WIRE NO LESS THAN 18 GAUGE LOCATED ADJACENT TO THE TOP OF THE PIPING. THE COPPER TRACE WIRE SHALL EXTEND TO GRADE AND TERMINATE AT EACH END OF THE PLASTIC SERVICE PIPING. A CONTINUOUS PLASTIC BANNER LABELED "CAUTION - GAS PIPING" SHALL BE INSTALLED 12 INCHES ABOVE ALL BURIED GAS PIPING.
- TRANSITION RISER FROM PLASTIC SERVICE PIPING TO BLACK STEEL BUILDING PIPING IS TO BE MADE BELOW GRADE. BLACK STEEL PIPING EXTENDING BELOW GRADE SHALL BE FURNISHED WITH FACTORY APPLIED CORROSION RESISTANT POLYETHYLENE COATINGS. PROVIDE ANODE FOR CATHODIC PROTECTION.
- WHERE GAS SERVICE UNDERGROUND PIPING RISES THROUGH PAVING OR CONCRETE SURFACES, PROVIDE PIPE SLEEVE TWO PIPE SIZES LARGER THAN INSTALLED PIPING. EXTEND SLEEVE A MINIMUM OF 1 INCH ABOVE FINISHED SURFACE AND DEEPER THAN DEPTH OF PAVING OR CONCRETE. FILL SLEEVE VOID WITH SMALL, ROUNDED, WASHED GRAVEL.
- EACH ABOVE GROUND PORTION OF METAL PIPING GAS SYSTEM UPSTREAM OF EQUIPMENT SHUT-OFF VALVES SHALL BE ELECTRICALLY CONTINUOUS AND BONDED TO GROUNDING ELECTRODE PER NFPA 70 AND NFPA 54.



1 DRY-WELL DIAGRAM
Scale: NTS

PLUMBING GENERAL NOTES:

- WORK SHOWN ON THE DRAWINGS IS TO BE COORDINATED WITH WORK OF ALL OTHER TRADES AND ACTUAL CONDITIONS OF CONSTRUCTION.
- VERIFY LOCATION AND SIZE OF ALL EXISTING PLUMBING SERVICES INDICATED TO BE EXTENDED, TIED-TO, OR REVISED FOR NEW WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.
- ESTABLISH LOCATION AND SIZE OF UTILITY SERVICES PRIOR TO BUILDING ROUGH-IN. COORDINATE LOCATION OF BUILDING SERVICE ENTRANCES AND SYSTEM PIPE ROUTING WITH UTILITY SERVICE MAINS ON SITE AND SITE FEATURES AND CONDITIONS.
- VERIFY FLOW LINE INVERTS OF BUILDING MAIN SEWER EXIT(S) REQUIRED FROM FURTHERMOST BRANCH LINE AND SITE SEWER TIE-IN LOCATION INVERT PRIOR TO BEGINNING BUILDING ROUGH-IN. NOTIFY ARCHITECT IF ADEQUATE FALL BETWEEN BUILDING AND SEWER CONNECTION CANNOT BE ACHIEVED.
- LAY OUT THE PLUMBING SYSTEM IN CAREFUL COORDINATION WITH THE DRAWINGS, DETERMINING PROPER ELEVATION FOR ALL COMPONENTS OF THE SYSTEM. FOLLOW THE GENERAL LAYOUT SHOWN ON DRAWINGS IN ALL CASES EXCEPT WHERE OTHER WORK MAY INTERFERE.
- INSTALL PIPING PARALLEL AND PERPENDICULAR TO BUILDING WALLS AND PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS, DOORS AND FEATURES.
- LAY OUT PIPES TO FALL WITHIN PARTITIONS OR CHASES. DO NOT REQUIRE FURRING OTHER THAN THOSE SHOWN ON THE DRAWINGS.
- DO NOT INSTALL DOMESTIC WATER PIPING IN EXTERIOR WALLS. WHERE BUILDING DESIGN FORCES INSTALLATION OF PIPING IN EXTERIOR WALLS, INSTALL PIPING ON ROOM SIDE OF EXTERIOR WALL INSULATION AND INCREASE PIPE INSULATION THICKNESS REQUIRED TO NEXT STANDARD THICKNESS WITH A MINIMUM THICKNESS OF 1-1/2 INCHES.
- NO FIXTURE TRAP SHALL BE INSTALLED INSIDE EXTERIOR WALLS.
- MAKE CHANGES IN PIPE SIZE NOTED ON THE PLANS AFTER LAST FITTING OF LARGER PIPE. WHEN SUPPLY PIPES ARE LARGER THAN EQUIPMENT TAPINGS, REDUCE SIZE IMMEDIATELY PRIOR TO ENTRY.
- MAKE CHANGES IN DIRECTION WITH MANUFACTURED STANDARD PIPE FITTINGS.
- CAP ALL PIPE OPENINGS DURING CONSTRUCTION.
- LABEL PIPING TO IDENTIFY SYSTEM TYPE AND DUTY. FOR EXISTING BUILDINGS, FOLLOW ESTABLISHED IDENTIFICATION NOMENCLATURE.
- COORDINATE LOCATION AND METHOD OF ATTACHMENT OF HANGERS AND SUPPORTS FOR PIPING SYSTEM TO BUILDING STRUCTURE WITH THE ARCHITECT AND STRUCTURAL ENGINEER. ESTABLISH PROPOSED LOCATIONS OF SYSTEM PIPE ANCHORS AND OBTAIN APPROVAL FROM THE ARCHITECT AND STRUCTURAL ENGINEER.
- SLEEVE PIPING THROUGH EXTERIOR WALLS, FIRE AND SMOKE RATED WALLS AND ASSEMBLIES, ON GRADE SLAB FLOORS, MULTI-STORY FLOORS, ANNULAR SPACE BETWEEN PIPE AND SLEEVE SHALL BE CAULKED AND SEALED. FIRE RATED PENETRATIONS SHALL BE FIRE STOPPED TO MEET RATING OF CONSTRUCTION. PENETRATED EXTEND SLEEVES A MINIMUM OF 2 INCH ABOVE FLOOR PENETRATIONS IN POTENTIALLY WET AREAS SUCH AS MECHANICAL AND EQUIPMENT ROOMS.
- DOMESTIC WATER PIPING SHALL BE INSTALLED TO SLOPE TO DRAIN POINTS. WHERE CONDITIONS DICTATE TRAPPED SECTION OF PIPING, A DRAIN VALVE OR CAPPED TEE SHALL BE INSTALLED TO FACILITATE DRAINING OF THE TRAPPED SECTION OF PIPING.
- THOROUGHLY FLUSH DOMESTIC WATER PIPING. SCREENED OUTLETS SHALL BE REMOVED DURING FLUSHING PROCESS AND REINSTALLED AT COMPLETION.
- INSULATE ALL DOMESTIC HOT AND COLD WATER PIPING.
- COPPER AND PLASTIC PIPING INSTALLED IN STUD WALLS SHALL BE PROTECTED WITH MINIMUM 1/16 INCH SHIELD PLATES EXTENDING BEYOND THE PIPE IN ALL DIRECTIONS.
- INSTALL SHUT-OFF VALVES IN HOT WATER AND COLD WATER LINES AHEAD OF CONNECTIONS TO ALL PLUMBING FIXTURES & EQUIPMENT.
- REVIEW CONNECTION REQUIREMENTS OF ACTUAL EQUIPMENT FURNISHED PRIOR TO ROUGH-IN. (THIS INCLUDES EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR, ANY OTHER DIVISION WORK, OR THE OWNER.) ADJUST ROUGH-IN TO MEET INSTALLATION REQUIREMENTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS AND DIMENSIONED LOCATIONS OF PLUMBING FIXTURES. FIXTURES DESIGNATED FOR HANDICAP USE SHALL BE INSTALLED TO MEET MOST CURRENT APPLICABLE ADA AND/OR ANSI REQUIREMENTS FOR INSTALLATION CLEARANCE AND ACCESS.
- FLOOR DRAINS AND CLEANOUTS SHALL BE FURNISHED WITH TOP AND TRIM COMPATIBLE WITH FLOOR COVERING MATERIAL. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISH ALTERNATES AFFECTING FLOOR DRAIN AND CLEANOUT TRIM REQUIREMENTS.
- ALL FLOOR DRAINS TO HAVE A MINIMUM WATER SEAL OF 3 INCHES.
- SLOPE FLOOR TO DRAIN AS NOTED ON THE ARCHITECTURAL DRAWINGS. FLOOR DRAINS SHALL NOT BE INSTALLED WITH "DUCK NEST" AROUND DRAIN.
- PROVIDE FUNNEL RECEPTOR FOR FLOOR DRAINS WHERE REQUIRED TO PREVENT SPILLAGE FROM INDIRECT WASTE LINES.
- FLOOR CLEANOUTS SHALL BE LOCATED A MINIMUM OF 18 INCHES CLEAR FROM WALLS AND OBSTRUCTIONS TO SERVICE.
- LOCATE CLEANOUTS AT CHANGES OF DIRECTION AND NO MORE THAN 50-FT. O/C. INSIDE THE BUILDING AND 100 FT. O/C. FOR EXTERIOR PIPING. PROVIDE ADDITIONAL CLEARANCE AS NOTED AND/OR REQUIRED TO FULLY CLEAN AND SERVICE PIPING SYSTEMS.
- INSTALL A CLEANOUT AT THE FOOT OF EACH SINK WASTE STACK.
- PROVIDE ACCESS DOORS FOR ALL INACCESSIBLE VALVES AND CLEANOUTS.
- COORDINATE LOCATION OF TERMINATION OF VENT PIPING WITH OTHER TRADES AND ARCHITECTURAL FEATURES AND CONDITIONS. MAINTAIN REQUIRED CLEARANCES TO OUTSIDE AIR INTAKES, WINDOWS, ETC. AS REQUIRED BY LOCALLY ACCEPTED CODE.
- RUN ALL DRAIN LINES FROM EQUIPMENT OVERFLOW RECEIVERS, ETC. TO FLOOR/ HUB DRAINS. DRAIN LINES SHALL BE HARD DRAIN COPPER INSTALLED WITH MINIMUM 1/8 INCH PER FOOT SLOPE SECURED BY GUIDES AND SUPPORTS FOR PIPE SIZE SHOWN. NO DRAIN LINE TO BE SMALLER THAN 3/4 INCH. INSTALL TEE AT EACH ELBOW OF CONDENSATE DRAIN WITH CLEANOUT PLUG ON BLIND TEE.
- REFER TO ARCHITECTURAL DRAWINGS AND DIVISION 1 SPECIFICATIONS FOR DESCRIPTION OF ALTERNATES.

PLUMBING GENERAL DEMOLITION NOTES:

- ALL ABANDONED PIPING TO BE REMOVED AND CAPPED AT LOCATION OF PENETRATION INTO AREA OF REMODEL. PIPING SHALL BE LABELED AS ABANDONED FOR FUTURE REFERENCE. ANY ABANDONED PIPING WHICH MUST BE LEFT IN PLACE IS TO BE LABELED AS TO SERVICE AND NOTED AS ABANDONED.
- ALL EXISTING ACTIVE SYSTEM PIPING INSULATION DAMAGED DURING DEMOLITION WORK SHALL BE REPAIRED.
- ALL TERMINATION LOCATIONS AND EXISTING PIPING SYSTEMS LEFT IN PLACE, BUT ABANDONED SHALL BE RECORDED ON THE RECORD DRAWINGS. NOTATION OF DIMENSIONED LOCATION AND WALVING SHALL BE INCLUDED ON THE RECORDED DRAWINGS.
- ALL CUTTING AND PATCHING SHALL BE DONE IN COMPLIANCE WITH ARCHITECT'S DIRECTIVE AS TO METHOD AND PROCEDURES.
- THE CONTRACTOR SHALL SCHEDULE WORK WITH THE OWNER'S REPRESENTATIVE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED AND SPACES CLEANED AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL MAKE PROVISIONS FOR PLASTIC SHEETING TO CONTROL CONSTRUCTION DUST WITHIN AREA OF CONSTRUCTION.
- ABANDONED PLUMBING SYSTEM PIPING SHALL BE CAPPED BEHIND FINISHED SURFACES. RECORD DRAWINGS SHALL NOTE LOCATION OF CAPPED PIPING.
- ALL REMOVED PLUMBING EQUIPMENT SHALL BE RETURNED TO OWNER'S STORAGE LOCATION AS DIRECTED. CARE SHALL BE TAKEN IN THE REMOVAL OF EQUIPMENT TO MAINTAIN SALVAGE VALUE. WHERE EQUIPMENT IS FOUND TO BE DAMAGED OR BEYOND SERVICEABLE CONDITION, THE CONTRACTOR SHALL IDENTIFY EQUIPMENT TO THE OWNER FOR OBSERVATION PRIOR TO REMOVAL.
- WHERE EXISTING ACTIVE PIPING SYSTEMS ARE FOUND TO BE DETERIORATED AND REQUIRING REPLACEMENT, PROVIDE A WRITTEN REPORT TO THE OWNER IDENTIFYING WORK REQUIRED, INCLUDE A PROPOSAL FOR PERFORMING THE WORK WITH COSTS AND SCHEDULE TO COMPLETION. DO NOT PROCEED WITH REPAIR WORK UNTIL THE OWNER HAS PROVIDED A WRITTEN DIRECTIVE ACCEPTING THE SUBMITTED PROPOSAL.
- ALL EXISTING SANITARY LINES LEFT FOR REUSE AND TIED INTO FOR NEW SANITARY WASTE SHALL BE RODDED CLEAN.
- COORDINATE DOWN TIME WITH OWNER PRIOR TO SCHEDULING WORK ON ANY ACTIVE PLUMBING PIPING SYSTEM (WASTE, WATER, VENT, MEDICAL GAS). PLAN AND SCHEDULE WORK IN FULL COORDINATION AND COOPERATION WITH THE OWNER, GIVING ADEQUATE NOTICE FOR THE OWNER TO SCHEDULE PROCEDURES AND PROCURE NECESSARY TEMPORARY SUPPLIES.

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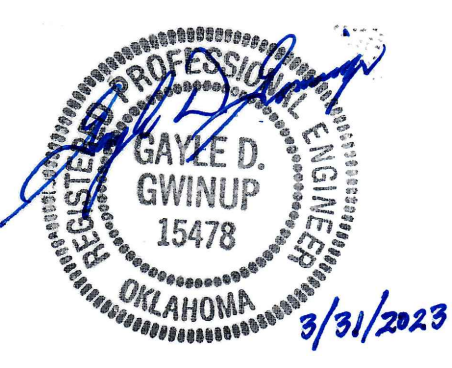
Revision Date	Revision

Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

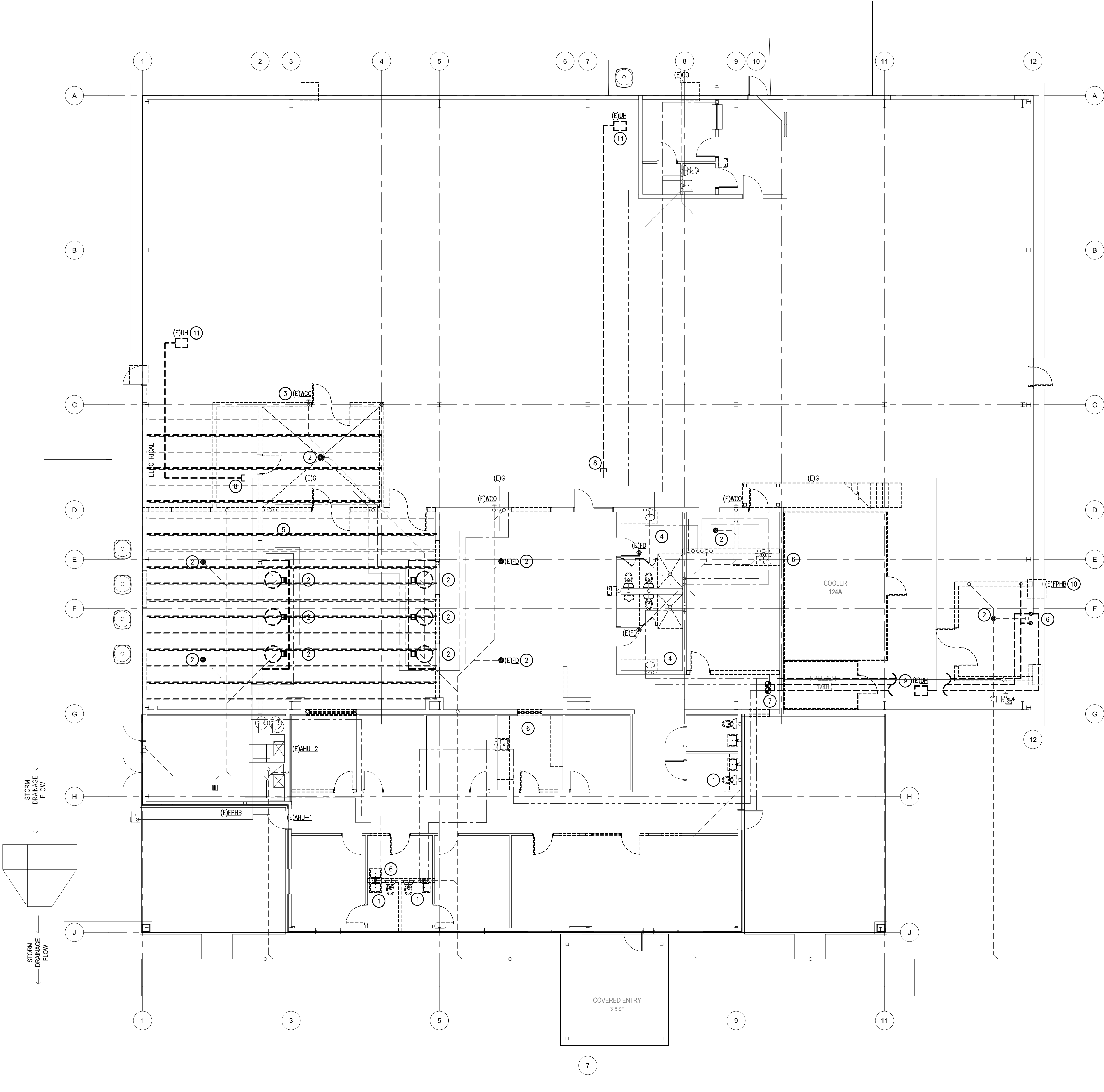
Sheet Title
PLUMBING GENERAL NOTES AND SCHEDULES

Drawn **DMS,DSP** Project Number **2244**
Checked **GDG,TEM**

File: CN Cultural Tourism Offices
Issue Date **03/31/2023**
Sheet Number



P001



KEYNOTES: (X)

1. REMOVE PLUMBING FIXTURES FROM TOILETS. CAP ALL WASTE PIPING BELOW SLAB. REMOVE VENT PIPING BACK TO MAIN AND CAP AT MAIN. REMOVE WATER PIPING BACK TO MAIN AND CAP AT MAIN.
2. REMOVE ALL ABANDONED FLOOR DRAINS/SINKS FROM AREAS TO BE REMODELED. COORDINATE WITH ARCHITECT FOR REPAIR OF FLOOR. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO CONFIRM QUANTITIES OF DRAIN TO BE REMOVED. CAP PIPING BELOW SLAB.
3. REMOVE EXISTING WALL CLEAN-OUT AND INSTALL FLOOR CLEANOUT.
4. REMOVE ALL FIXTURES AND FLOOR/SHOWER DRAINS. PREPARE AREA FOR MODIFICATIONS OF ALL WASTE, VENT AND WATER SYSTEM IN NEW WORK. RE: P101 FOR NEW WORK THESE AREAS.
5. REMOVE WATER PIPE FROM WASH DOWN STATION BACK TO MAIN AND CAP AT MAIN.
6. REMOVE SINK FROM COUNTER. CAP SEWER BELOW SLAB. CAP BRANCH WATER SERVICE AT MAIN.
7. REMOVE ALL DOMESTIC WATER PIPE PASSING OVER OR INTO THE NEW ART STORAGE ROOM TO BE INSTALLED. RECONNECT HOT WATER RETURN PIPING TO THE HOT WATER PIPE.
8. CAP BRANCH GAS PIPE AT THIS APPROXIMATE LOCATION.
9. REMOVE AND STORE EXISTING UNIT HEATER FOR INSTALLATION IN NEW WORK. CAP EXISTING GAS PIPE AND PREPARE FOR MODIFICATION OF GAS SERVICE FOR NEW LOCATION OF UNIT HEATER.
10. REMOVE FPHB AND REPAIR WALL AS DIRECTED BY THE ARCHITECT.
11. REMOVE UNIT HEATER, CONTROLS, SUPPORTS AND VENTS. REPAIR ROOF FROM REMOVED VENT PIPING AS DIRECTED BY ARCHITECT.

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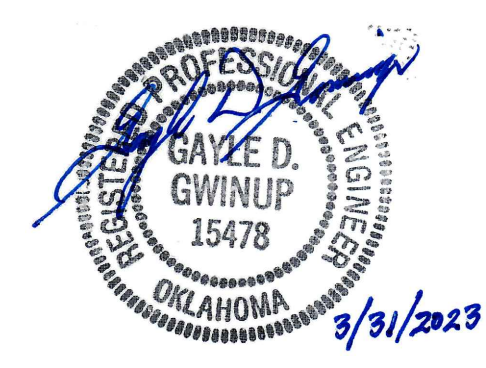
Revision Date	Revision

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 CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
PLUMBING DEMOLITION PLAN

Drawn DMS,DSP Project Number 2244
 Checked GDG,TEM

Scale: 1/8" = 1'-0"
 Issue Date 03/31/2023
 Sheet Number



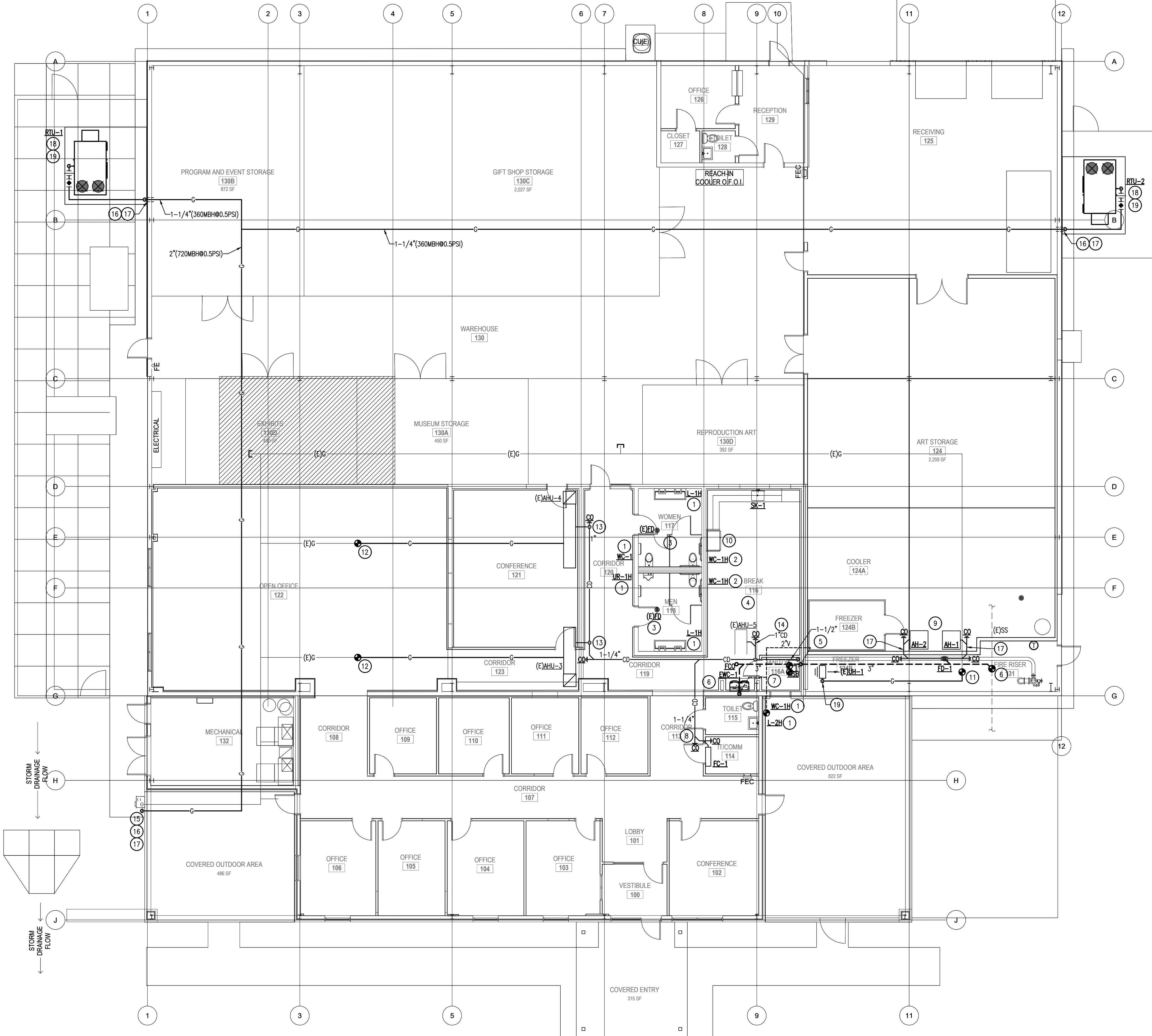
PD101

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

Revision Date	Revision

KEYNOTES: (X)

1. INSTALL NEW FIXTURE AT LOCATION OF REMOVED FIXTURE. MODIFY WATER AND WASTE PIPING AS REQUIRED TO ACCOMMODATE NEW FIXTURE ROUGH IN LOCATIONS. PROVIDE NEW RUN-OUT PIPING, SHUT-OFF VALVES AND ALL ACCESSORIES AS LISTED ON PLUMBING FIXTURE SCHEDULE.
2. INSTALL NEW FIXTURES IN OLD SHOWER AREAS. INSTALL NEW WASTE FROM FIXTURE TO EXISTING LINE. NEW WASTE LINE FROM TOILETS SHALL BE A MINIMUM OF 4 INCH. MODIFY EXISTING WATER SERVICE IN TOILET ROOMS FOR NEW LOCATION OF WATER CLOSETS, EACH FIXTURE SHALL HAVE 1-1/4" ROUTED TO NEW FIXTURE LOCATION.
3. REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW.
4. CONTRACTOR SHALL ROD OUT EXISTING SANITARY SEWER SYSTEM THROUGHOUT BUILDING TO EXIT OF PROPERTY. NOTIFY OWNER OF ANY OBSTRUCTIONS FOUND.
5. PLUMBING CONTRACTOR TO COORDINATE WITH FREEZER CONSULTANT FOR ROUTING DRAIN FROM FREEZER INTO MOP SINK. TERMINATE WITH A TURN-DOWN AND A MINIMUM 2 INCH AIR GAP.
6. CONTRACTOR SHALL INSTALL NEW WASTE LINE FROM ELECTRIC WATER COOLER TO POINT OF CONNECTION IN FIRE RISER ROOM. REPAIR SLAB AS DIRECTED BY ARCHITECT. CONTRACTOR SHALL VERIFY EXACT INVERT, SIZE AND LOCATION OF EXISTING SEWER SYSTEM. MINIMUM SIZE OF CONNECTION SHALL BE 3 INCH.
7. INSTALL NEW VENT SYSTEM FOR NEW FIXTURES. ROUTE NEW VENT PIPING TO EXISTING VENT SYSTEM AND CONNECT. MINIMUM EXISTING VENT TO BE CONNECTED SHALL BE 2 INCH.
8. ROUTE CONDENSATE FROM FAN COIL INTO CORRIDOR AND TERMINATE AT MOP SINK. ALL CONDENSATE PIPING INSTALLED INSIDE BUILDING SHALL BE FULLY INSULATED WITH 1/2" THICK FIBERGLASS INSULATION/VAPOR BARRIER.
9. ROUTE CONDENSATE FROM AIR HANDLERS THROUGH WALL AND TERMINATE AT FD-1. PROVIDE A MINIMUM 2 INCH AIR GAP. PROVIDE SLEEVE THROUGH WALL FOR CONDENSATE PIPE. SEAL SPACE BETWEEN SLEEVE AND CONDENSATE PIPE WITH WATERPROOF CAULKING. INSTALL ESCUTCHEON PLATE ON WALL PENETRATIONS.
10. PROVIDE 3/8" COLD WATER AND FILTER TO REFRIGERATOR.
11. EXTEND EXISTING GAS PIPING AT THIS APPROXIMATE LOCATION TO SERVE RELOCATED EXISTING UNIT HEATER.
12. EXTEND EXISTING BRANCH GAS SERVICE PIPE, FULL SIZE TO NEW LOCATION OF EXISTING AHU'S.
13. ROUTE CONDENSATE PIPE FROM AHU'S AND TERMINATE AT MOP SINK WITH A MINIMUM 2 INCH AIR GAP. ALL CONDENSATE PIPE INSIDE BUILDING SHALL BE FULLY INSULATED WITH 1/2" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER.
14. MODIFY (E)AHU-5 CONDENSATE AS REQUIRED TO CONNECT TO NEW CONDENSATE PIPE SYSTEM.
15. INSTALL HEADER AT GAS METER WITH SHUT-OFF VALVES FOR NEW LINE AND EXISTING. NEW GAS PIPING IS SIZED ON 250 FEET, 0.5 PSI AND A DEMAND OF 720 MBH. CONTRACTOR SHALL COORDINATE WITH SERVICE PROVIDER TO CONFIRM EXISTING METER IS CAPABLE OF PROVIDING NEW TOTAL DEMAND.
16. SECURE GAS PIPING ON VERTICAL WALL DROP WITH UNI-STRUT AND PIPE CLAMPS. PAINT ALL EXPOSED PIPING AND SUPPORTS AS DIRECTED BY ARCHITECT.
17. PROVIDE SLEEVES FOR ALL PIPING PASSING THROUGH WALLS. SEAL SPACE BETWEEN PIPE AND SLEEVE WITH WATERPROOF CAULKING. INSTALL ESCUTCHEON PLATES ON BOTH SIDES OF WALLS.
18. INSTALL A DRY WELL FOR CONDENSATE FROM ROOF TOP UNIT. RE: 1/PO01
19. PROVIDE UNIONS, SHUT-OFF VALVE AND 6 INCH DIRT LEG AT ALL POINTS OF CONNECTION TO GAS FIRED EQUIPMENT.



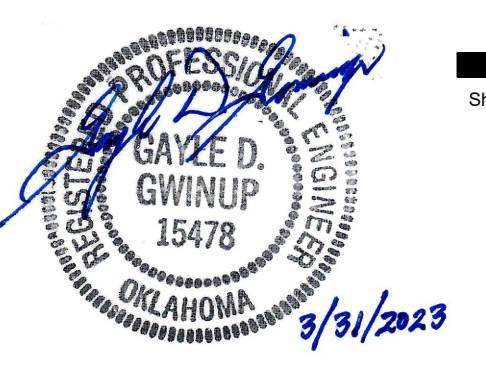
1 PLUMBING PLAN
Scale: 1/8" = 1'-0"
NORTH

Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
PLUMBING PLAN

Drawn: DMS,DSP
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Project Number: 2244

Issue Date: 03/31/2023
Sheet Number: P101



ROOF TOP UNIT SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL NO.	COOLING CAPACITY		HEATING CAPACITY		CFM	OUTSIDE AIR		TOTAL E.S.P. (IWG)	FAN (H.P.)	EER (SEER)	ELECTRICAL DATA					WEIGHT W/CURB (LBS)	NOTES	ACCESSORIES	
				TOTAL (MBH)	SENSIBLE (MBH)	INPUT (MBH)	OUTPUT (MBH)		MAX (CFM)	MIN (CFM)				VOLTAGE	M.C.A.	COMP (RLA)	O.F. (FLA)	I.F. (FLA)				POWER EXHAUST
RTU-1&2	WAREHOUSE	LENNOX	LGM156U4EM	148.9	117.6	234/360	187/288	5200	1040	520	1.0	3.0	12.0	208/3/60	68	42.3	11.2	10.6		2695	1,2,3,4,5,6	A,B,C,F,G,I,K,L,N,O,P,R,S,T

NOTES:
1. REFER TO PROJECT MANUAL SPECIFICATIONS FOR ADDITIONAL FEATURES, REQUIREMENTS AND SEQUENCE OF OPERATION.
2. R410A REFRIGERANT.
3. COOLING CAPACITIES ARE BASED ON UNIT CFM SUPPLY AIR AND 80°F, EDB/67°F, EWB, WITH 105°F AIR ENTERING CONDENSER. EER IS BASED ON ARI CONDITIONS.
4. CFM LISTED ON SCHEDULE ARE NOMINAL. REFERENCE DRAWINGS FOR SPACE CFM REQUIREMENTS.
5. ALL ROOM TEMPERATURE SENSOR WIRING IS TO HAVE 12 CONDUCTORS. REFERENCE ELECTRICAL SPECIFICATIONS FOR CONDUCTOR REQUIREMENTS.
6. PROVIDED CONTROL DEVICES SHALL BE CAPABLE OF 2 STAGES OF COOLING AND UP TO TWO STAGES OF HEATING. REFER TO HEATING CAPACITIES LISTED ABOVE FOR UNITS WITH TWO STAGE HEATING.

ACCESSORIES:
A. FACTORY 24" ROOF CURB TO MATCH SPECIFIED UNIT.
B. DIRTY FILTER SWITCH.
C. LOW AMBIENT KIT (COOLING AVAILABLE DOWN TO 0°F.)
D. FACTORY INSTALLED BAROMETRIC RELIEF DAMPER.
E. CURB ADAPTOR.
F. OUTSIDE AIR MOTORIZED DAMPER INTERLOCKED WITH CO2 SENSOR. DAMPER TO BE CONTROLLED VIA ROOF TOP UNITS CONTROLLER LOGIC FOR PROPORTIONAL DEMAND CONTROL VENTILATION. (DAMPER SHALL GO TO FULL CLOSED POSITION WHEN INDOOR FAN SHUTS DOWN).
G. THE DOWN CURB.
H. ECONOMIZER WITH DUAL ENTHALPY CONTROL AND BAROMETRIC RELIEF.
I. FACTORY OR FIELD SUPPLIED HAIL GUARD.

ACCESSORIES:
J. FIRE/RITE SMOKE DETECTOR, WITH ADDRESSABLE RELAY MODULE AND SAMPLING TUBE.
K. TIME DELAY.
L. STAINLESS STEEL HEAT EXCHANGER.
M. POWERED EXHAUST. SET EXHAUST FAN TO 25% OF SUPPLY AIR SETTING.
N. HORIZONTAL RETURN AIR PANEL KIT.
O. CONDENSATE OVERFLOW SENSOR.
P. BAPI MODEL BA/CO-B4 CARBON MONOXIDE SENSOR.
R. HUMIDITROL (MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION).
S. 2" MERV 13 FILTERS.
T. COMFORTSENSE 8500 ROOM TEMPERATURE, CARBON DIOXIDE, AND HUMIDITY SENSOR.

LIEBERT VAULT ROOM UNIT SCHEDULE (INDOOR UNIT)

MARK	AREA SERVED	MANUFACTURER	MODEL NO.	CFM	E.S.P. I.W.G.	H.P. (KW)	NOMINAL COOLING (MBH)		COIL			ELECTRICAL			ELECTRIC REHEAT KW(BTUH)	WT. (LBS.)	NOTES	ACCESSORIES
							TOTAL	SENSIBLE	FACE (S.F.)	ROWS	F.P.I.	VOLTAGE	FLA	MOCP				
AHU-1&2	ART STORAGE	LIEBERT	PX011UA150E08	1735	0.20	1.26	42.5	38.0	9.46	3	12	208/3/60	53.2	70	6	600	ALL	ALL

NOTES:
1. COOLING CAPACITY LISTED BASED ON 105°F O.A.
2. 95.7 WIRE SIZING AMPS.
3. INTERLOCK OPERATION OF CRU WITH CU PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.

ACCESSORIES:
A. REFRIGERANT LINE SETS.
B. CONDENSATE PUMP.
C. FACTORY CONTROL ENCLOSURE.
D. INFRARED HUMIDIFIER 7.7 LB/HR.
E. ELECTRIC REHEAT, 304SS.
F. 2" MERV 13 AIR FILTER.

G. ANCHOR POINTS.
H. LIQUI-TECT SENSOR.
I. SMOKE SENSOR.
J. UNIT TO UNIT COMMUNICATIONS.
K. FUSED DISCONNECT SWITCH.
L. SUPPLY AIR SENSOR.
M. TEMPERATURE AND HUMIDITY SENSOR.

CONDENSER UNIT SCHEDULE (OUTDOOR UNIT)

MARK	AREA SERVED	MANUFACTURER	MODEL NO.	NOMINAL COOLING CAP. (MBH)	ELECTRICAL			WEIGHT (LBS)	NOTES	ACCESSORIES
					VOLTAGE	FLA	MOCP			
CU-1&2	ART STORAGE	LIEBERT	MCL055E1AD05CZ	42.5	208/3/60	5.7	15	155	1,2	A,B,C,D,E

NOTES:
1. SET UNIT LEVEL IN ALL DIRECTIONS.
2. REFER TO PROJECT MANUAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND FEATURES.

ACCESSORIES:
A. R-410A REFRIGERANT.
B. HAIL GUARD.
C. PROVIDE ANCHOR POINTS ON EACH SIDE OF UNIT TO SECURE UNIT TO CONCRETE PAD.
D. LOW AMBIENT CONTROL DOWN TO 20°F.
E. FAN SPEED CONTROL.

FAN SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL NO.	CFM	E.S.P. I.W.G.	MAX RPM	SONES	H.P. (WATTS)	ELECTRICAL VOLTAGE	TYPE	NOTES	ACCESSORIES
EF-1,5	TOILET	COOK	GC-148	100	0.5	1075	2.5	(35)	115/1/60	CEILING	2,3,6,7	IGBD,CB,RH
EF-2,3	TOILET	COOK	GC-186	200	0.5	1075	2.5	(45)	115/1/60	CEILING	2,3,6,7	IGBD,CB,RH
EF-2	JANITOR CLOSET	COOK	GC-148	100	0.5	1100	2.4	(35)	115/1/60	CEILING	2,3,6,7	IGBD,CB,RH
SF-1,2	ART STORAGE	COOK	135SON-HP	1000	0.375	1118	5.8	1/4	115/1/60	IN-LINE	3,5,7,8,9	DS

NOTES:
1. TIMER CONTROLLED.
2. SWITCH WITH LIGHTS.
3. SPEED CONTROL SWITCH AT UNIT.
4. SPEED CONTROL WALL SWITCH.
5. BELT DRIVE.
6. DIRECT DRIVE.
7. VIBRATION ISOLATION MOUNTING.
8. WALL SWITCH.
9. CONTINUOUS OPERATION.

ACCESSORIES:
IGBD-INTEGRAL BACKDRAFT DAMPER
GBL-GRAVITY BACKDRAFT DAMPER
MBD-MOTORIZED BACKDRAFT DAMPER
BS-BIRD SCREEN
CB-CURB
DS-DISCONNECT SERVICE
RH-ROOF HOOD

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	SERVICE	MANUFACTURER	STYLE	MODEL NO.	MATERIAL	MOUNTING	FACE	NECK SIZE	FINISH	NOTES
A	SUPPLY	TITUS	SQUARE STEP FACE	TMS	ALUMINUM	LAY-IN	24x24	PER PLANS	WHITE	1,2,5
B	RETURN	TITUS	1/2"SPACE,35°DEFLECTION	355RL	ALUMINUM	LAY-IN	24x24	22x22	WHITE	1,2,3,4,5,6
B1	RETURN	TITUS	1/2"SPACE,35°DEFLECTION	355RL	ALUMINUM	LAY-IN	24x12	22x10	WHITE	1,2,3,4,5,6

NOTES:
1. COORDINATE LOCATION OF AIR DEVICES WITH CEILING GRID, LIGHT LOCATIONS, STRUCTURAL MEMBERS AND ARCH. FEATURES.
2. FINAL FINISH OF AIR DEVICES SHALL BE VERIFIED WITH ARCHITECT'S FINISH AND PAINT SCHEDULE.
3. PROVIDE FLENUM FOR DUCT CONNECTION OR SQUARE TO ROUND NECK, AS REQUIRED.
4. PAINT DUCT INTERIOR FLAT BLACK BEHIND AIR DEVICE.
5. PROVIDE OPPOSED BLADE DAMPER.
6. PROVIDE WITHOUT SCREW HOLES.
7. PROVIDE FOAM GASKET AT FRAME.

MINI SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

MARK (OUTDOOR UNIT)	UNITS SERVED	MANUFACTURER	MODEL NO.	NOMINAL COOLING CAPACITY (MBH)	NOMINAL HEATING CAPACITY (MBH)	SEER (EER)	ELECTRICAL DATA			WEIGHT (LBS)	NOTES	ACCESSORIES
							VOLTAGE	MCA	MOCP			
HPU-1	FCU-1	LENNOX	MLA012S4S	12.0	12.0	24.0	208/1/60	9	15	94	1,2,3,4	A,B,C

NOTES:
1. COOLING CAPACITIES ARE BASED ON UNIT CFM SUPPLY AIR AND 80°F, EDB/67°F, EWB, WITH 95°F AIR ENTERING CONDENSER. EER IS BASED ON ARI CONDITIONS.
2. REFER TO PROJECT MANUAL SPECIFICATIONS FOR ADDITIONAL FEATURES AND REQUIREMENTS.
3. HEATING CAPACITIES ARE BASED ON 47°F O.A., 70°F EAT AT INDOOR FCU.
4. INTERLOCK OPERATION WITH INDOOR FCU'S, INDOOR UNIT POWERED BY OUTDOOR HEAT PUMP UNIT.

ACCESSORIES:
A. HAIL GUARDS.
B. R410A REFRIGERANT.
C. REDI-CHARGED REFRIGERANT PIPING.

MINI SPLIT SYSTEM FAN COIL UNIT SCHEDULE

MARK (INDOOR UNIT)	SERVED FROM	MANUFACTURER	MODEL NO.	CFM	NOMINAL COOLING (MBH)	NOMINAL HEATING (MBH)	ELECTRICAL		WT. (LBS.)	NOTES	ACCESSORIES
							VOLTAGE	RLA			
FC-1	HPU-1	LENNOX	M22A012S4	310	12.0	12.0	208/1/60	1.0	36	1,2,3,4,5	A,B,C,D,E,F

NOTES:
1. COOLING CAPACITY LISTED BASED ON 95°F O.A., 80°F DB/67°F WB EAT.
2. R410A REFRIGERANT.
3. POWERED FROM OUTDOOR HEAT PUMP.
4. HEATING CAPACITY LISTED BASED ON 47°F O.A., 70°F EAT.
5. FAN CFM LISTED IS FOR WET COIL ON HI SETTING.
6. FAN CFM LISTED IS FOR WET COIL ON MEDIUM SETTING.
7. FAN CFM LISTED IS FOR WET COIL ON LOW SETTING.
8. INTERLOCK FAN COIL UNIT WITH BUILDING MANAGEMENT SYSTEM FOR EMERGENCY SHUT DOWN.

ACCESSORIES:
A. FILTERS, (CLEANABLE)
B. ELECTRONIC EXPANSION VALVE.
C. INTERLOCK OPERATION WITH OUTDOOR HEAT PUMP UNIT.
D. HARD WIRED, WALL-MOUNTED REMOTE CONTROLLER.
E. CONDENSATE PUMP.
F. SUPCO MODEL SLP2565 PRESSURE SENSOR LOCATED AT INDOOR UNIT.

- #### H.V.A.C. GENERAL NOTES:
- WORK SHOWN ON THE DRAWINGS IS TO BE COORDINATED WITH WORK OF ALL OTHER TRADES AND ACTUAL CONDITIONS OF CONSTRUCTION.
 - INSTALL ALL EQUIPMENT IN ACCORDANCE WITH CODE REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, ADHERING TO REQUIRED CLEARANCES FOR OPERATION AND SERVICING.
 - ELECTRICAL REQUIREMENTS OF FURNISHED AND INSTALLED DIVISION 23 EQUIPMENT AND SYSTEM COMPONENTS SHALL BE PROVIDED IN WRITING BY THE DIVISION 23 CONTRACTOR TO THE DIVISION 26 CONTRACTOR FOR INCLUSION AND COORDINATION OF DIVISION 26 WORK.
 - PROVIDE FLEXIBLE DUCT CONNECTION TO EXHAUST FANS, SUPPLY FANS, ROOF TOP UNITS, FAN COIL UNITS, FURNACES, AIR HANDLING EQUIPMENT, ETC.
 - DUCTWORK CONSTRUCTION AND INSTALLATION SHALL BE PER MOST RECENT SMACNA STANDARDS FOR PRESSURE AND DUCT DIMENSION OF SYSTEM INSTALLATION. ALL DUCT JOINTS SHALL BE SEALED AS NOTED IN THE SPECIFICATIONS.
 - DUCT SIZES SHOWN ON DRAWING ARE INSIDE CLEAR.
 - MAKE TRANSITION FROM DUCTWORK SIZES SHOWN ON THE DRAWINGS TO EQUIPMENT DUCT CONNECTION SIZES. VERIFY EQUIPMENT CONNECTION SIZES WITH FACTORY CERTIFIED DRAWINGS. MAKE ALL TRANSITIONS PER MOST RECENT SMACNA STANDARDS.
 - ALL MAJOR BRANCH DUCTS SHALL BE CONSTRUCTED USING OPPOSED BLADE DAMPERS WITH LOCKING DEVICE OR WITH SPLITTER DAMPER WITH LOCKING DEVICE FOR BALANCE OF DUCT SYSTEM.
 - TURNING VANES SHALL BE INSTALLED IN ALL RECTANGULAR 90 DEGREE ELBOWS IN SUPPLY, RETURN AND EXHAUST DUCTWORK, AND AS INDICATED ON THE DRAWINGS.
 - USE MINIMUM LENGTH FLEXIBLE DUCT TO AIR DEVICES (MAXIMUM 5 FT.). USE FLEX DUCT ONLY IN FULLY ACCESSIBLE CEILING SPACES. PROVIDE 90 DEGREE SHEET METAL ELBOW AT CEILING DIFFUSER NECK CONNECTION. PROVIDE SADDLE UNDER FLEXIBLE DUCT HANGER TO SUPPORT DUCT AND PREVENT "PINCHING" OF DUCTWORK. FLEXIBLE DUCT SHALL BE INSTALLED SO AS NOT TO REDUCE CROSS SECTION AREA OF DUCT.
 - WHERE DUCT RUNOUTS FROM SECTIONS OF MAIN DUCTWORK TO DIFFUSERS ARE UNEQUAL IN EQUIVALENT LENGTH AND RESULT IN SIGNIFICANT DIFFERENCES IN PRESSURE DROP WHICH REQUIRE PINCHING TAKEOFF DAMPER OR DAMPER AT GRILLE FACE, ADDITIONAL FLEXIBLE DUCT AND/OR ADDITIONAL CHANGES IN DIRECTION SHALL BE INSTALLED IN RUNOUT DUCT WITH LEAST PRESSURE DROP TO BRING DUCTS TO EQUIVALENT PRESSURE LOSSES.
 - WHERE DUCT TAKE-OFFS TO GRILLES ARE NEAR THE UNIT AND RESULT IN PRESSURE DROPS SIGNIFICANTLY LESS THAN THE FURTHERMOST DIFFUSER BRANCH, THE RUNOUT DUCT SIZE TO THE GRILLE SHALL BE REDUCED FROM THE SCHEDULED RUNOUT SIZE TO INCREASE THE PRESSURE DROP AND PREVENT THE NEED TO "PINCH" THE DAMPER AT THE TAKE-OFF AND/OR GRILLE FACE.
 - THE CONTRACTOR SHALL COORDINATE ROUTING AND SIZE OF DUCTWORK WITH ACTUAL FINAL BUILDING CONDITIONS OF STRUCTURE SIZE AND LOCATION, LIGHT LOCATIONS, ARCHITECTURAL FEATURES, AND WORK OF OTHER TRADES. WHERE DUCT SIZES MUST BE REVISED FROM THOSE SHOWN ON THE DRAWINGS, MAINTAIN SAME CROSS SECTIONAL AREA, VELOCITY, AND PRESSURE DROP. WHEN NECESSARY, REROUTE DUCT TO CLEAR OBSTRUCTIONS WITH MINIMUM NUMBER OF FITTINGS AND ELEVATION CHANGES WHERE DUCT MUST BE SIGNIFICANTLY ALTERED FROM THAT SHOWN ON THE DRAWINGS, NOTIFY THE ARCHITECT PRIOR TO PROCEEDING.
 - EXPOSED DUCTWORK AND ACCESSORIES IN FINISHED AREAS TO BE PAINTED AS DIRECTED BY ARCHITECT.
 - DIVISION 23 CONTRACTOR SHALL PROVIDE TEST AND BALANCE OF HVAC SYSTEMS. TEST AND BALANCE SHALL BE PERFORMED AND REPORTED AS DESCRIBED BY NEBB OR ABC. FILTERS SHALL BE NEW AND CLEAN. DUCTWORK CLEAN, AND EQUIPMENT CONTROLS AND DEVICES FULLY FUNCTIONAL AT THE TIME OF PERFORMING BALANCE WORK.
 - MAINTAIN MINIMUM 10'-0" CLEAR BETWEEN ANY FLUE, VENT OR TOILET EXHAUST AND OUTSIDE AIR INTAKES. WHERE HORIZONTAL DISTANCE CANNOT BE PROVIDED, EXTEND FLUE VENTS 3'-0" ABOVE OUTSIDE AIR INTAKE.
 - SMOKE DETECTORS SHALL BE REQUIRED IN ALL HVAC UNITS WITH 2000 CFM AND GREATER CAPACITY. SMOKE DETECTORS SHALL BE FURNISHED AND INSTALLED UNDER DIVISION 23. DIVISION 23 WORK SHALL COORDINATE WITH DIVISION 26 CONTRACTOR. INSTALL DETECTORS IN RETURN AIR. PROVIDE REMOTE INDICATOR AND TEST STATION WHERE UNITS ARE NOT READILY VISIBLE FOR INSPECTION.
 - INSTALL ALL MOTOR DRIVEN EQUIPMENT WITH VIBRATION ISOLATORS AND OR PADS TO REDUCE NOISE TRANSFER. TYPE AND METHOD OF ISOLATION SHALL BE IN CONFORMANCE WITH THOSE DESCRIBED IN THE SPECIFICATIONS FOR THE DUTY, TYPE, AND APPLICATION OF THE EQUIPMENT.
 - ALL EQUIPMENT SHALL BE PERMANENTLY LABELED WITH SIGNAGE SECURED TO EQUIPMENT.
 - CONDENSATE PIPING SHALL BE AS NOTED ON THE DRAWING, BUT IN NO CASE LESS THAN 3/4 INCHES.
 - ROUTE CONDENSATE PIPING TO APPROVED DISCHARGE LOCATION. PROVIDE CONDENSATE TRAP WITH CLEANOUTS AND VENT ON DISCHARGE SIDE OF TRAP FOR ALL UNITS WITH COOLING COILS. TRAP DEPTH SHALL BE A MINIMUM OF THE UNIT TOTAL PRESSURE PLUS 2 INCHES.
 - CONDENSATE PIPING INSTALLED WITHIN THE BUILDING SHALL BE FULLY INSULATED AND PROVIDED WITH VAPOR BARRIER.
 - REFER TO ARCHITECTURAL DRAWINGS AND DIVISION 1 SPECIFICATIONS FOR DESCRIPTION OF ALTERNATES.

- #### H.V.A.C. GENERAL DEMOLITION NOTES:
- ALL CUTTING AND PATCHING SHALL BE DONE IN COMPLIANCE WITH ARCHITECT'S DIRECTIVE AS TO METHOD AND PROCEDURES.
 - THE CONTRACTOR SHALL SCHEDULE WORK WITH THE OWNER'S REPRESENTATIVE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED AND SPACES CLEANED AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL MAKE PROVISIONS FOR PLASTIC SHEETING TO CONTROL CONSTRUCTION DUST WITHIN AREA OF CONSTRUCTION.
 - MECHANICAL UNITS SERVING AREA OF CONSTRUCTION SHALL BE "OFF" DURING WORK TO PREVENT CONSTRUCTION DUST FROM BEING DISTRIBUTED TO OTHER AREAS OF THE BUILDING. WHERE UNITS MUST CONTINUE TO OPERATE, RETURN AIR FROM AREA OF DEMOLITION SHALL BE FILTERED AT DUCT INLET. FILTERS SHALL BE CHANGED WHEN HOLDING CAPACITY IS REACHED.
 - ALL REMOVED HVAC EQUIPMENT SHALL BE RETURNED TO THE OWNER STORAGE LOCATION AS DIRECTED. CARE SHALL BE TAKEN IN THE REMOVAL OF EQUIPMENT TO MAINTAIN SALVAGE VALUE. WHERE EQUIPMENT IS FOUND TO BE DAMAGED OR BEYOND SERVICEABLE CONDITION, THE CONTRACTOR SHALL IDENTIFY EQUIPMENT TO THE OWNER FOR OBSERVATION PRIOR TO REMOVAL.
 - WHERE EXISTING ACTIVE SYSTEMS ARE FOUND TO BE DETERIORATED AND REQUIRING REPLACEMENT, PROVIDE A WRITTEN REPORT TO THE OWNER IDENTIFYING WORK REQUIRED. INCLUDE A PROPOSAL FOR PERFORMING THE WORK WITH COSTS AND SCHEDULE TO COMPLETION. DO NOT PROCEED WITH REPAIR WORK UNTIL THE OWNER HAS PROVIDED A WRITTEN DIRECTIVE ACCEPTING THE SUBMITTED PROPOSAL.
 - ABANDONED DUCTWORK AND PIPING SYSTEMS TO BE REMOVED THROUGHOUT AREA OF REMODEL. THIS INCLUDES SYSTEMS INVOLVED WITH THIS REMODEL WORK AND PREVIOUSLY ABANDONED AND MODIFIED SYSTEMS.



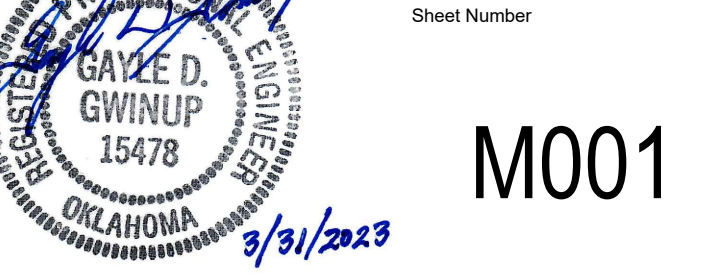
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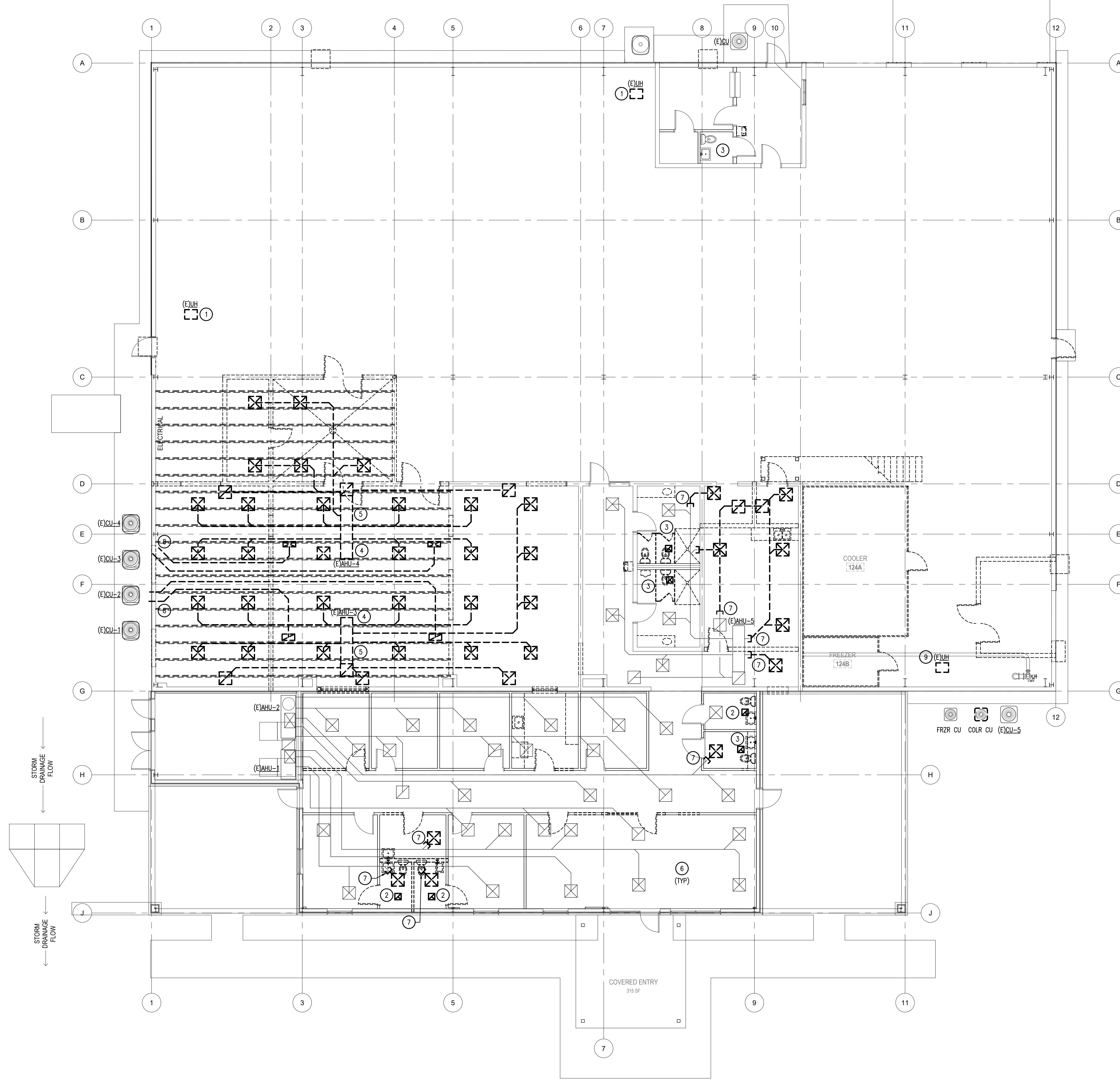
MECHANICAL GENERAL NOTES AND SCHEDULES

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Checked	GDG,TEM		

Scale	Issue Date	03/31/2023
Sheet Number		



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KEYNOTES: (X)

1. REMOVE EXISTING UNIT HEATER, ALL ASSOCIATED SUPPORTS, CONTROLS AND FLUE/VENT PIPING. REMOVE ALL GAS PIPING FROM UNIT BACK TO SOURCE. REPAIR ROOF FROM REMOVED COMBUSTION/FLUE PIPING AS DIRECTED BY ARCHITECT.
2. REMOVE EXISTING CEILING MOUNTED EXHAUST FAN FROM TOILETS. REMOVE ALL SUPPORTS, CONTROLS AND DUCTWORK. REPAIR ROOF PENETRATION FROM REMOVED DUCTWORK AS DIRECTED BY ARCHITECT.
3. REMOVE EXISTING CEILING MOUNTED EXHAUST FAN AND ALL ASSOCIATED CONTROLS. REMOVE EXHAUST FAN DUCT FROM FAN TO ROOF HOOD. KEEP ROOF HOOD INTACT FOR CONNECTION IN NEW WORK.
4. REMOVE ALL DUCTWORK, REGISTERS, GRILLES, SUPPORTS AND CONTROLS FROM EXISTING AIR HANDLERS. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO CONFIRM EXACT QUANTITIES OF DUCTWORK AND GRILLES TO BE REMOVED.
5. REMOVE AND STORE EXISTING AIR HANDLER IN MEZZANINE. AIR HANDLER SHALL BE REINSTALLED IN NEW WORK. PREPARE TO EXTEND GAS SERVICE PIPING FOR AHU'S TO NEW LOCATION OF AHU.
6. PROVIDE TEMPORARY SUPPORTS FOR ALL GRILLES REGISTERS AND DIFFUSERS IN THE FRONT OFFICE AREA. PREPARE TO REINSTALL IN NEW CEILING.
7. CAP RUNOUT DUCTWORK AT THIS APPROXIMATE LOCATION.
8. REMOVE EXHAUST SYSTEMS, DUCTWORK, CONTROLS, SUPPORTS AND GRILLES. PATCH WALL AS DIRECTED BY ARCHITECT.
9. REMOVE AND STORE EXISTING UNIT HEATER. PREPARE TO INSTALL UNIT HEATER IN NEW WORK. STORE CONTROLS. KEEP FLUE THROUGH ROOF AND PREPARE TO RECONNECT.

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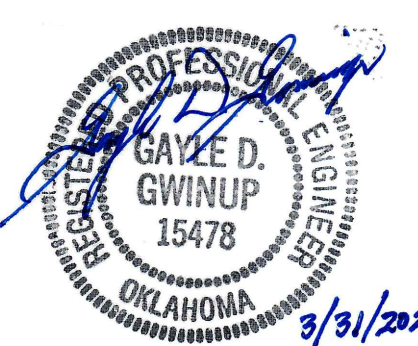
Revision Date	Revision

Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
MECHANICAL DEMOLITION PLAN

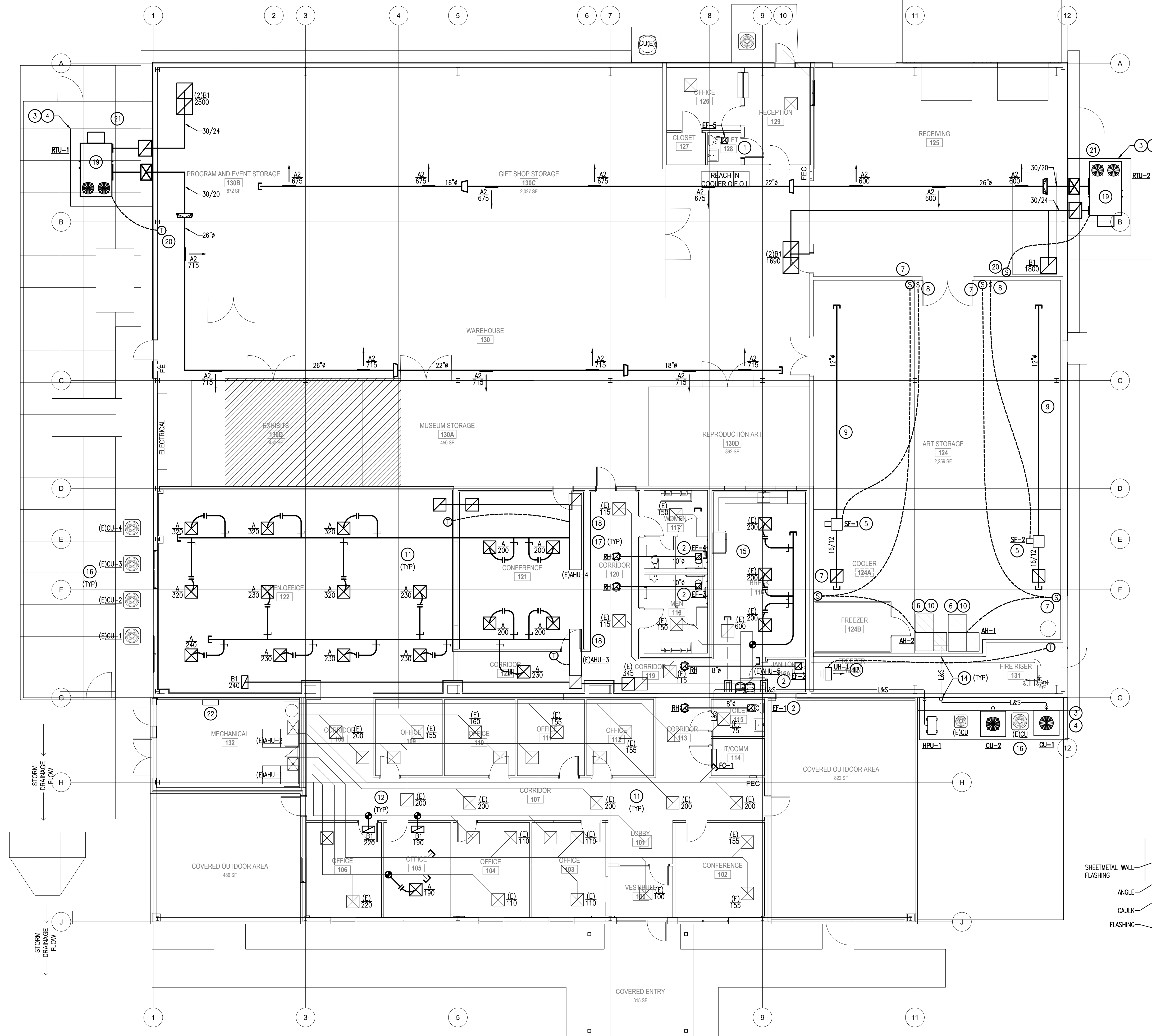
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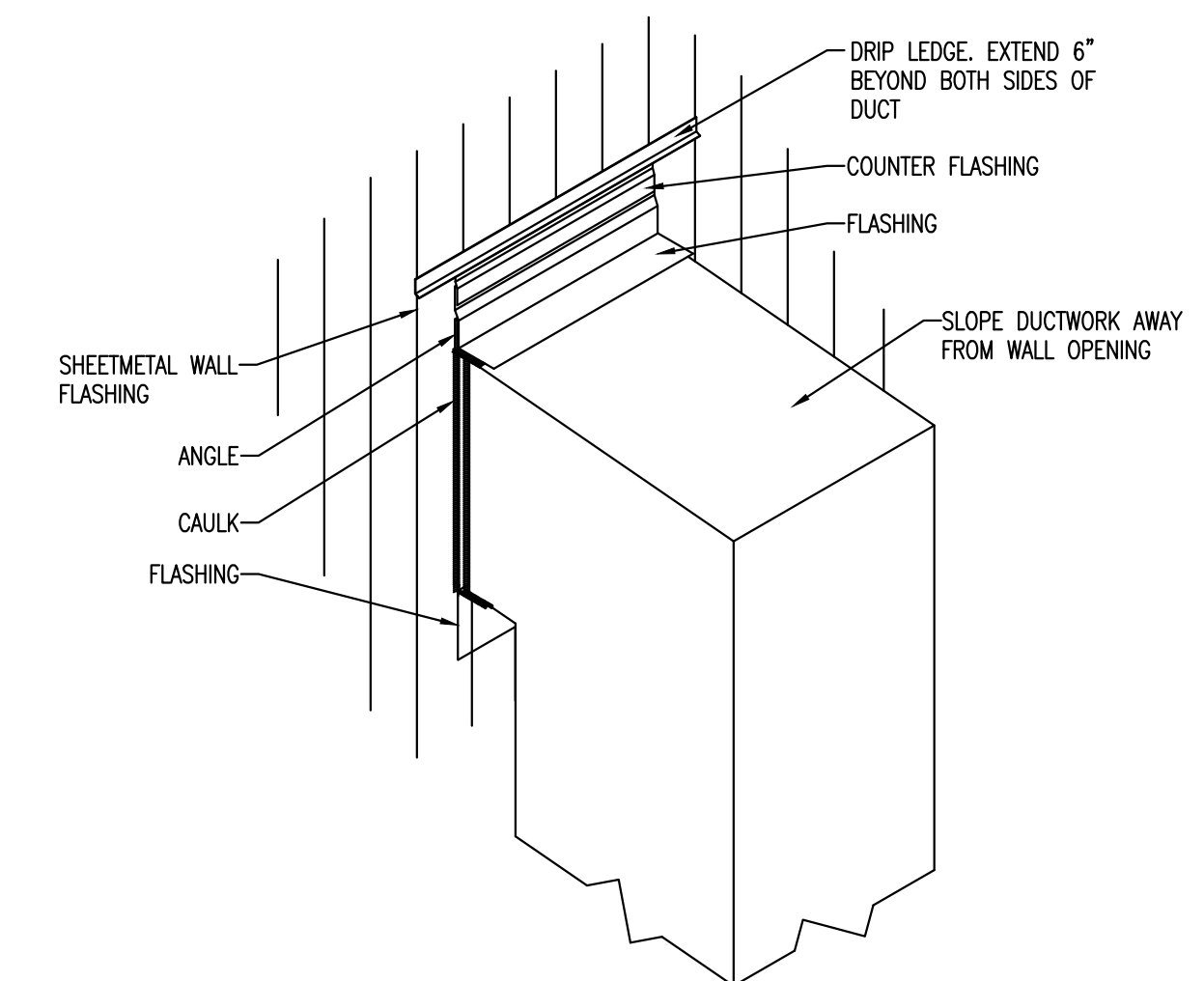
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MD101

1 MECHANICAL DEMOLITION PLAN
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1 HVAC PLAN
Scale: 1/8" = 1'-0"
NORTH

2 SIDEWALL DUCT PENETRATION DIAGRAM
Scale: NTS



KEYNOTES: (X)

1. REPLACE EXISTING EXHAUST FAN WITH NEW. RECONNECT TO EXISTING DUCTWORK THROUGH ROOF. INSTALL INSULATION ON EXHAUST DUCTWORK, 2 INCH DUCTWRAP, FROM FAN TO ROOF HOOD.
2. INSTALL NEW CEILING MOUNTED EXHAUST FAN, DUCTWORK AND ROOF HOOD. ALL EXHAUST DUCTWORK SHALL BE INSULATED WITH MINIMUM 2 INCH DUCTWRAP FROM FAN UP TO ROOF HOOD.
3. INSTALL MECHANICAL EQUIPMENT ON A REINFORCED CONCRETE PAD. PAD SHALL EXTEND A MINIMUM OF 4 INCHES ABOVE FINISHED GRADE. PAD SHALL EXTEND TO BUILDING AND A MINIMUM OF 12 INCHES IN ALL OTHER DIRECTIONS OF EQUIPMENT.
4. INSTALL ALL MECHANICAL EQUIPMENT AS DIRECTED BY MANUFACTURER FOR AIR FLOWS AND MAINTENANCE.
5. INSTALL IN-LINE FAN TIGHT TO STRUCTURE AND PER MANUFACTURER'S REQUIREMENTS FOR SERVICE AND AIRFLOW. PROVIDE SQUARE TO ROUND TRANSITION OF AT LEAST 2 FEET FOR CONNECTION TO FABRIC DUCT.
6. INSTALL LIEBERT AIR HANDLERS PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS FOR SERVICE AND AIRFLOW. COORDINATE FINAL LOCATION WITH FLOOR DRAIN AND OWNER'S FURNITURE LAYOUT. ROUTE CONDENSATE FROM AIR HANDLER TO FLOOR DRAIN. SUPPORT CONDENSATE PIPING ABOVE FLOOR AND TERMINATE AT FLOOR DRAIN WITH TURN DOWN AND 2 INCH AIR GAP. CONDENSATE FROM LIEBERT MAY CONTAIN BOILING WATER, ALL CONDENSATE PIPING SHALL BE FULLY INSULATED AND MATERIAL SHALL BE TYPE 'M' COPPER.
7. INSTALL AIR HANDLERS MANUFACTURER'S SENSOR AT 48 INCHES ABOVE FINISHED FLOOR. SENSOR SHALL MONITOR ROOM CONDITIONS FOR TEMPERATURE AND HUMIDITY.
8. PROVIDE AND INSTALL TIMER TO PROVIDE A MANUAL SHUT-OFF OF CIRCULATION FAN. TIMER SHALL HAVE A MAXIMUM OF 30 MINUTES. WHEN TIMER IS COMPLETE FANS SHALL ENERGIZE. INSTALL TIMER AT 48 INCHES ABOVE FINISHED FLOOR. COORDINATE FINAL LOCATION OF TIMER WITH ARCHITECTURAL FEATURES AND OWNER. LABEL EACH TIMER WITH FAN NUMBER THAT IT CONTROLS.
9. INSTALL FABRIC DUCTWORK AS MANUFACTURED BY FABRICAR. FABRIC DUCT SHALL BE MACHINE WASHABLE, SUPPLIED WITH ANTI-MICROBIAL TREATMENT AND HAVE A MINIMUM OF 10 YEAR WARRANTY. FINAL COLOR SHALL BE AS DIRECTED BY ARCHITECT. PROVIDE SINGLE ROW STAINLESS STEEL CABLE FOR SUPPORT. KEEP DUCTWORK TIGHT TO STRUCTURE. PROVIDE PERFFLOW BOTTOM HALF 180 DEGREES AIR FLOW.
10. AIR HANDLERS SHALL BE FRONT BOTTOM RETURN AND TOP FRONT DISCHARGE. UNIT SHALL CONTROL TEMPERATURE AND HUMIDITY LEVELS IN SPACE. UNIT SHALL HAVE INFRARED HUMIDIFIER, ELECTRIC REHEAT WITH STAINLESS STEEL REHEAT ELEMENTS. UNIT SHALL HAVE CONTROL SYSTEM INTEGRAL TO UNIT WITH PORT TO CONNECT TO OWNER'S COMMUNICATION SYSTEM. UNITS SHALL CONTROL TEMPERATURE AND HUMIDITY WITHIN VAULT. UNIT SHALL BE CAPABLE OF PROVIDING HUMIDITY AS WELL AS DEHUMIDIFYING.
11. COORDINATE FINAL LOCATION OF ALL DIFFUSER IN FRONT OFFICE AREA WITH ARCHITECTURAL REFLECTED CEILING PLAN, LIGHTS AND SPRINKLER HEADS.
12. REBALANCE FRONT OFFICE SYSTEM PER CFM'S NOTED IN SPACES. IF NOTED CFM'S CANNOT BE OBTAINED NOTIFY ENGINEER.
13. REINSTALL STORED UNIT HEATER. MODIFY FLUE/VENT PIPING AS NEEDED FOR NEW LOCATION OF UNIT HEATER. COORDINATE WITH PLUMBER FOR GAS SERVICE AND ELECTRICAL FOR POWER. INSTALL THERMOSTAT AT 48 INCHES ABOVE FINISHED FLOOR.
14. SLEEVE PIPING PASSING THROUGH WALLS. SEAL SPACE BETWEEN PIPING AND WALL WITH WATERPROOF CAULKING. INSTALL ESCUTCHEON PLATES ON BOTH SIDES OF WALL.
15. INSTALL NEW DUCTWORK AND GRILLES FOR BREAK ROOM.
16. CONTRACTOR SHALL CLEAN EXISTING CONDENSERS, COMB FINS, CHECK REFRIGERANT CHARGE. NOTIFY OWNER OF FINDINGS.
17. CLEAN AIR HANDLER CASING, COIL AND HEAT EXCHANGER. REPLACE FILTERS. NOTIFY OWNER OF ANY ADDITIONAL REPAIRS REQUIRED.
18. MODIFY EXISTING OUTDOOR AIR DUCTWORK AS NEEDED TO ACCOMMODATE NEW LOCATIONS OF AIR HANDLER UNITS.
19. ALL EXTERIOR DUCTWORK SHALL BE PRE MANUFACTURED DOUBLE WALL DUCTWORK. INSIDE AND OUTSIDE LAYERS OF DUCT SHALL HAVE SNAP LOCK SEAMS. INSIDE DUCT SHALL BE FORMED TO FOLD OVER DUCT INSULATION AND CONNECT TO DUCT MATE FLANGE THAT IS ATTACHED TO OUTER DUCT. INSULATION BETWEEN DUCTS SHALL BE 2 INCH, 3 POUND DUCT LINER. ALL EXTERIOR DUCT TO BE CONSTRUCTED PER LATEST SMACNA'S STANDARD. PROVIDE SUPPORTS FOR ALL EXTERIOR DUCTWORK. SUPPORTS SHALL BE ANGLE OR CHANNEL IRON ON REINFORCED CONCRETE PADS. SPACE SUPPORTS AS DIRECTED IN SPECIFICATIONS FOR HUNG DUCTWORK.
20. INSTALL SENSOR AT 48 INCHES ABOVE FINISHED FLOOR. PROVIDE INSULATED BACK BOX FOR SENSORS INSTALLED ON EXTERIOR WALLS. INSTALL CARBON MONOXIDE SENSOR AT 60 INCHES ABOVE FINISHED FLOOR ABOVE TEMPERATURE SENSOR.
21. ALL DUCT PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE FLASHED AND COUNTERFLASHED. INSTALL DRIP LEDGE EXTENDING A MINIMUM OF 6 INCHES ON BOTH SIDES OF DUCT PENETRATION. RE: 2/M101.
22. INSTALL MARKELL MODEL HF5605T FORCED FAN HEATER ON WALL SO THE BOTTOM OF HEATER IS 6 FEET ABOVE FINISHED FLOOR. HEATER SHALL PROVIDE 2500 WATTS AT 208V, 1 PHASE AT 12 AMP.

RUN OUT SCHEDULE	
CFM	DUCT SIZE
50 - 75	5"
75 - 115	6"
115 - 160	7"
161 - 220	8"
221 - 290	9"
291 - 490	10"
491 - 700	12"

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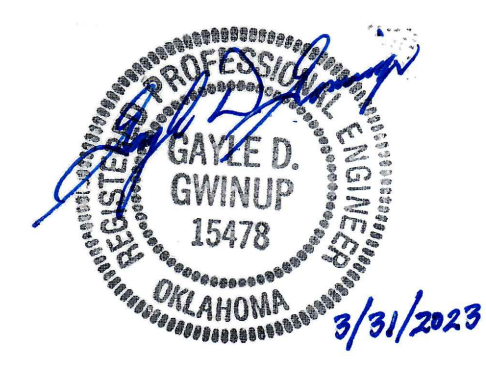
Revision Date	Revision

Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
HVAC PLAN

Drawn: DMS,DSP Project Number: 2244
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DEVICE SUBSCRIPT		
Q' LOWER CASE LETTER INDICATES DEVICE CONTROL ARRANGEMENT	LV LOW-VOLTAGE	
AFF ABOVE FINISHED FLOOR	LFCM LIQUID-TIGHT FLEXIBLE METAL CONDUIT	
AFG ABOVE FINISHED GRADE	LGT LIGHTING	
A/C HVAC	M FRACTIONAL HP RATED SWITCH	
APL APPLIANCE	MTR MOTOR	
AF AMP FUSE	NL NIGHT LIGHT	
AT AMP TRIP	OCPO OVER-CURRENT PROTECTION DEVICE	
BMS BUILDING MANAGEMENT SYSTEM	OHE OVERHEAD ELECTRIC	
BTC BRANCH TO CONNECTION	OHT OVERHEAD TELEPHONE	
C COMMUNICATION	(R) REMOVE (260450)	
CKT CIRCUIT	(RR) REMOVE AND REINSTALL (260450)	
CT CURRENT TRANSFORMER	(RS) REMOVE AND SALVAGE (260450)	
CTL CONTROL	RCP RECEPTACLE	
D DATA OUTLET	RI ROUGH-IN ONLY	
(E) EXISTING TO REMAIN (260450)	S.E.R. SERVICE ENTRANCE RATED	
(ER) EXISTING RELOCATED	SPD SURGE PROTECTION DEVICE	
EM EMERGENCY CIRCUIT	S.T. SHUNT-TRIP BREAKER	
EPO EMERGENCY POWER OFF	SW SPLIT WIRED RECEPTACLE FOR HALF SWITCHING UNDER COUNTER	
EQ EQUAL	U.C. UNDER COUNTER	
EWC ELECTRIC WATER COOLER	UGE UNDERGROUND ELECTRIC	
FACP FIRE ALARM CONTROL PANEL	UGT UNDERGROUND TELEPHONE	
GFCI GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE	USF UNDERGROUND FIBER	
GFI GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED	UNO UNLESS NOTED OTHERWISE	
GFP FEED THROUGH GROUND FAULT CIRCUIT INTERRUPTING PROTECTED	W/C WALL/CEILING MOUNT	
JB JUNCTION BOX	WP WEATHERPROOF WHILE IN USE	
K KEY OPERATED	WPS WEATHERPROOF SPRING COVER DEVICE	

ELECTRICAL GRAPHIC SYMBOL LEGEND		
WALL MOUNTED DEVICES	WALL MOUNTED, LOW-VOLTAGE DEVICES	SWITCHES/MOTORS/TRANSFORMERS/ETC
WALL MOUNTED, SIMPLEX RECEPTACLE	DIGITAL OUTLET - CAT 6	NON-FUSED DISCONNECT
DUPLEX RECEPTACLE	INTERCOM BUTTON	FUSED DISCONNECT
QUAD RECEPTACLE	IP HORN/SPEAKER	COMBO MTR. STARTER DISCONNECT
SURFACE MOUNTED, SPECIAL RECEPTACLE	WALL MOUNTED, AUDIO/VISUAL/CTV OUTLET	MOTOR
DUPLEX RECEPTACLE W/GFCI	FIRE ALARM DEVICES	VARIABLE FREQUENCY DRIVE
QUAD RECEPTACLE W/GFCI	EMERGENCY COMM. SYS. WITH FACP	SURGE PROTECTION DEVICE
JUNCTION BOX	REMOTE LCD ANNUNCIATOR PANEL	ATS-AUTOMATIC TRANSFER SWITCH
PLUG/MOLD	HEAT DETECTOR	MANUAL TRANSFER SWITCH
CEILING MOUNTED DEVICES	SMOKE DETECTOR, PHOTOELECTRIC	RECESSED PANELBOARD
DUPLEX RECEPTACLE	LED STROBE, W/C, (ALERT)	SURFACE-MOUNTED PANELBOARD
QUAD RECEPTACLE	LED SPEAKER/STROBE, W/C, (ALERT)	ISOLATION TRANSFORMER
SPECIAL RECEPTACLE	PULL STATION, DOUBLE ACTION	TRANSFORMER
WIRELESS ACCESS POINT	TAMPER SWITCH	METER
SPEAKER	FLOW SWITCH	SECURITY DEVICES
SMARTBOARD PROJECTOR	INPUT MODULE, ADDRESSABLE	KEYPAD - WALL/PEDESTAL MOUNTED
CONTROL DEVICES	RELAY MODULE, ADDRESSABLE	MOTION DETECTOR - CEILING MOUNTED
SWITCH	DUCT DETECTOR, W/PHOTO SENSOR	DOOR ALARM CONTACT
2 POLE SWITCH	DOOR HOLD-OPEN	MAGNETIC LOCKSET
THREE WAY SWITCH	ANSUL SYSTEM PULL STATION	SURVEILLANCE CAMERA - CEILING MOUNTED
FOUR WAY SWITCH	CARBON MONOXIDE DETECTOR	SURVEILLANCE CAMERA - WALL MOUNTED
DIMMER SWITCH	DUCT DETECTOR TEST STATION	WALL MOUNTED, BUZZER
KEYED SWITCH		PUSH BUTTON - WALL MOUNTED
SWITCH WITH RED/GREEN PILOT LIGHT		ALARM CONTACT
MOTOR RATED SWITCH		SECURITY/ACCESS CONTROL LEGEND
CEILING MOUNTED, OCCUPANCY SENSOR		CARD READER
RACEWAYS		KEY PAD: NAPCO RPICAEZ TOUCH-PAD
UNDERGROUND CONDUIT		
LIGHTING WHIP WITH DIMMING CABLE		
CONCEALED CONDUIT		
EXPOSED CONDUIT		
HOMERUN		
INTERCONNECTED HOMERUN CKT.		

LIGHT FIXTURE SCHEDULE					
FIXTURE/TYPE	MANUFACTURER CATALOG NUMBER	VOLTS	LAMP TYPE	MOUNTING	FIXTURE NOTES
		WATTS			
	METALUX: 24FP4740C LSI: SFP24-LED-50-UE-DIM-40 SIGNIFY: 2FPZ-43L-840-4-DS-UNV-DIM	120	LED 4000K > 80CRI	RECESSED	2'x4' LED EDGE-LIT FLAT PANEL
		41			
	METALUX: 45T2L4040R SIGNIFY: FSS-4-55L-840-UNV-DIM WILLIAMS: 75R-4-LSO-80-40-DRV-UNV LSI: SDL 4 LED HO CW UE	120	LED 4000K	SURFACE/SUSPENDED	FIXTURE SHALL BE SURFACED MOUNTED OR SUSPENDED BY JACK-CHAIN FROM BUILDING STRUCTURE.
		45			
	METALUX: 85LSTP8040DD-UNV CREE: LS8-80L-840K-10V COLUMBIA: MPS8-40ML-CW-ED1-U	120	LED 4000K 80CRI	SURFACE/SUSPENDED	8" SURFACE AND WALL LED STRIP LIGHT
		71			
	HALO: HC607D010-HM61WDBB840 LSI: LDC6-14L-UNV-DIM1-40NF-TR6BBL	120	LED 4000K/750L/D	RECESSED	6" RECESSED CAN LIGHT
		12			
	HALO: HC607D010-HM61WDBB840 LSI: LDC6-14L-UNV-DIM1-40NF-TR6BBL	120	LED 4000K/750L/D	RECESSED	6" RECESSED CAN LIGHT WITH WALL WASH REFLECTOR
		12			
	EXISTING RELOCATED	120	REPAIR BROKEN LAMPS	TRACK	NITE TRACK LIGHTING
	LITHONIA: LQM S W 3 R 120/277 EL N SD SURE LITE: LPRSSD DUAL LITE: EVCURWD4-0	120	LED	CEILING, WALL, OR END MOUNTED	SINGLE OR DOUBLE FACE PER DRAWING. (90-MIN. BATTERY BACKUP)
		26			

GENERAL NOTES:
A) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ACCESSORIES REQUIRED FOR COMPLETE FIXTURE PACKAGE SHOWN ON SCHEDULES, DETAILS, PLANS, AND SPECIFICATIONS.
B) NO SUBSTITUTIONS ACCEPTED.
C) CONTRACTOR SHALL PROVIDE DIMMING DRIVERS IN LED FIXTURES REQUIRED FOR CONTROL SYSTEM COMPATIBILITY.
D) PROVIDE WIRE GUARDS IN GYMNASIUM LOCATIONS.
E) PROVIDE GYPSUM BOARD CEILING FRAMING KIT IN AREAS WITH HARD CEILING.

ELECTRICAL GENERAL NOTES:

- A. SITE OBSERVATION:** CONTRACTOR AND ASSOCIATED DIVISION TRADES SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK DESIGNATED FOR THIS FACILITY PRIOR TO BIDDING. FAILURE TO SIGN-IN AND ATTEND THE PRE-CONSTRUCTION MEETING MAY EXCLUDE CONTRACTOR FROM FUTURE CLAIMS WHERE THE SCOPE OF WORK AND INTENT OF CONTRACT DOCUMENTS IS OPENLY EXPRESSED AND DOCUMENTED FOR FORMAL RESPONSES.
- B. CODE COMPLIANCE, PERMITS AND LICENSES:** ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. IN EVENT OF CONFLICT BETWEEN DRAWINGS, SPECIFICATIONS, CODES AND ORDINANCES, THE MOST STRINGENT REQUIREMENT FROM THE AUTHORITY HAVING JURISDICTION SHALL TAKE PRECEDENCE. PROCURE ALL NECESSARY PERMITS AND LICENSES REQUIRED FOR WORK. PAY ALL LAWFUL FEES, INCLUDING, BUT NOT LIMITED TO UTILITY DEPOSITS, INSPECTION FEES, AND TEMPORARY AND PERMANENT CONSTRUCTION PERMITS.
- C. MATERIALS:** ALL MATERIALS SHALL BE NEW AND U.L. LISTED FOR THE APPLICATION. REUSE OF EXISTING MATERIALS MUST BE APPROVED PRIOR TO BID BY THE ENGINEER OF RECORD. PROVIDE PROTECTION FOR ALL ITEMS OF APPARATUS, FIXTURES, APPLIANCES, MATERIALS, EQUIPMENT, AND INSTALLATION SO AS TO PREVENT DAMAGE BY ANY TRADE. CONTRACTOR SHALL REPLACE, AT NO EXPENSE TO THE OWNER, ANY ITEM THAT IS MARKED, DEFACED, OR BROKEN PRIOR TO ACCEPTANCE BY OWNER.
- D. SUBSTITUTIONS:** SUBSTITUTIONS SHALL NOT BE ALLOWED AFTER APPROVAL OF SUBMITTED EQUIPMENT AND DEVICES UNLESS BY SPECIAL PERMISSION. NOTIFY ARCHITECT AND REQUEST ADDITIONAL INFORMATION FOR PROPOSED SUBSTITUTIONS OR SUBSTITUTED EQUIPMENT OTHER THAN LISTED IN THE CONTRACT DOCUMENTS OR SUBMITTED DURING PRODUCT REVIEW WHICH REQUIRES ADDITIONAL SPACE, SUPPORT, LAYOUT CONDITIONS, OR OTHER ELECTRICAL REQUIREMENTS. PROVIDE REQUIRED WORK ONLY AFTER WRITTEN NOTICE TO PROCEED FROM OWNER OR ENGINEER OF RECORD.
- E. TYPICAL DEVICE MOUNTING HEIGHTS - UNLESS NOTED OTHERWISE:**
PANELBOARDS - 78" AFF TO TOP OF CABINET (MAX.)
CONTROL PANELS - 72" AFF TO TOP OF CABINET (MAX.)
DISCONNECTS - 64" AFF TO TOP OF CABINET (MAX.)
POWER/COMM. OUTLETS - 18" AFF TO CENTER OF DEVICE
TOGGLE SWITCHES - 48" AFF TO CENTER OF DEVICE
WHERE DEVICES ARE INDICATED TO BE ABOVE CENTER BETWEEN TOP OF DOOR TRIM AND CEILING LINE, ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER TYPICAL HEIGHTS LISTED. DEVICES LOCATED ABOVE COUNTERS SHALL BE MOUNTED 8" ABOVE COUNTERTOPS TO CENTER OF DEVICE.
- F. DIVISION TRADE COORDINATION:** COORDINATE WITH DIVISION TRADES AND THE ACTUAL SITE CONDITIONS OF CONSTRUCTION. RESOLVE CONFLICTS BETWEEN DIVISION TRADES FOR LOCATION OF EQUIPMENT INSTALLED AND ACCESSORIES REQUIRED, SO THAT ANY CONFLICTS ARE COORDINATED AND THE EQUIPMENT IS INSTALLED AS A COMPLETE AND OPERABLE SYSTEM. COORDINATE POWER REQUIREMENTS FOR EQUIPMENT PRIOR TO SUBMITTAL REVIEW BY ENGINEER OF RECORD. COORDINATION OF OTHER TRADES SCOPE OF WORK AND MATERIALS ARE A NORMAL PART OF THE CONSTRUCTION PROCESS. THE INTENT OF THE WORK IDENTIFIED IN THE FULL SET OF CONTRACT DOCUMENTS, AND IS NOT LIMITED BY DIVISION TRADE DOCUMENTS; FAILURE TO COORDINATE THE WORK SHALL NOT BE SUBJECT TO MONETARY CLAIMS. INSTALL EQUIPMENT AND DEVICES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND OPERATOR'S MANUALS. PROVIDE CLEARANCES FOR OPERATION AND ACCESS FOR PRODUCT SERVICING. COORDINATE WITH DIVISION 22 & 23 MECHANICAL DUCTWORK SO AS NOT TO INSTALL JUNCTION BOXES ABOVE DUCT WORK OR INACCESSIBLE TO PERSONNEL.

- G. DEVIATIONS FROM CONTRACT DOCUMENTS:** MECHANICAL AND ELECTRICAL PLANS ARE DIAGRAMMATIC AND SHALL BE FOLLOWED FOR ACTUAL CONSTRUCTION WITHOUT DEVIATIONS. THE APPROVAL FROM THE ARCHITECT OR ENGINEER SHALL BE OBTAINED BEFORE ANY DEVIATIONS FROM THESE PLANS. DIVISION TRADES WHICH DEViate FROM PLANS WITHOUT NOTIFICATION SHALL NOT BE COMPENSATED AND SHALL BE RESPONSIBLE FOR THE ADDITIONAL WORK REQUIRED. CONTRACTOR SHALL COORDINATE THE GENERAL WORK IN ORDER THAT EACH DIVISION TRADE WORK AND THE WORK OF THEIR SUB-CONTRACTORS WILL BE PROPERLY INSTALLED. CONTRACTOR SHALL INFORM ARCHITECT OF EXISTING CONDITIONS THAT ARE DISCOVERED DURING WORK IN PROGRESS THAT WOULD REQUIRE DEVIATIONS FROM THE ORIGINAL CONSTRUCTION DOCUMENTS BEFORE PROCEEDING WITH WORK.
- H. EXISTING SYSTEMS:** CONTRACTOR SHALL PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
- I. GROUNDING:** ALL LIGHT FIXTURES SHALL BE REQUIRED TO BE GROUNDING BY AN INSULATED GROUNDING CONDUCTOR. PROVIDE BARE COPPER GROUND BAR INSTALLED FROM BUILDING SIDE TO LOCATIONS SUBJECT TO THE APPROVAL BY THE ENGINEER OF RECORD. INTERCONNECT LOW-VOLTAGE GROUNDING SYSTEMS TO THE MAIN GROUNDING ELECTRODE SYSTEM SERVING BUILDING. WHERE REQUIRED BY CODE, PROVIDE IRREVERSIBLE GROUNDING CONNECTIONS USING EXOTHERMIC WELDS.
- J. MET LOCATION LISTED DEVICES:** GFCI RECEPTACLES SHALL BE USED AT LOCATIONS WITHIN 6' OF SINKS AND WATER. GFCI OUTLETS IN KITCHEN AREAS SHALL HAVE DEDICATED NEUTRAL(S). GFI BREAKERS SERVING KITCHEN EQUIPMENT SHALL BE DEDICATED CIRCUITS WITH DEDICATED NEUTRAL CONDUCTORS. PANELBOARDS AND METAL ENCLOSED DISCONNECTING MEANS SHALL BE NEMA 4X STAINLESS STEEL UNLESS NOTED OTHERWISE.
- K. FIRE AND SMOKE WALL ASSEMBLIES:** CONTRACTOR SHALL IDENTIFY ALL FIRE AND SMOKE RATED WALLS AND PROVIDE SEALS AT NEW AND EXISTING PENETRATIONS THROUGH RATED WALLS. PROVIDE 20A/1P BREAKER WITH LOCK-ON DEVICE AT HANDLE FOR CONNECTION OF LINE-VOLTAGE SMOKE DAMPERS INSTALLED BY DIVISION 23 CONTRACTOR.
- L. RACEWAYS AND JUNCTION BOXES:** CONDUIT RACEWAYS SHALL BE COMMERCIAL GRADE STEEL AND ALUMINUM U.L. LISTED FOR THE APPLICATION AND NOT LESS THAN 3/4" IN TRADE SIZE. METAL-CLAD CABLE IS ALLOWED ONLY IN LIMITED LIGHTING AND MILLWORK APPLICATIONS AND LOCATIONS SUBJECT TO THE APPROVAL BY THE ENGINEER OF RECORD PRIOR TO INSTALLATION. ALL EXPOSED EXTERIOR CONDUIT SHALL BE RIGID ONLY. IDENTIFY ALL EXPANSION JOINTS AND PROVIDE FOR EXPANSION JOINTS IN ALL CONDUITS CROSSING BUILDING BOUNDARIES. EXPOSED CONDUIT, JUNCTION BOXES AND ACCESSORIES IN FINISHED AREAS TO BE PAINTED AS DIRECTED BY ARCHITECT. COORDINATE CONDUIT RUNS IN EXPOSED AREAS SO THAT ALL RUNS ARE MADE PARALLEL OR PERPENDICULAR TO STRUCTURE.
- M. IDENTIFICATION:** COVERPLATES IN UNFINISHED AREAS AND CEILING CAVITIES SHALL BE IDENTIFIED WITH PERMANENT BLACK MARKER WITH CORRESPONDING CIRCUIT. PROVIDE ADHESIVE LABELS WITH PANEL AND CIRCUIT DESIGNATION ON COVERPLATES OF DEVICES IN FINISHED AREAS.

LOW-VOLTAGE CABLE GENERAL NOTES:

- A. HORIZONTAL J-HOOKS:** BUNDLE AND TRAIL CABLE FOR EACH SYSTEM AND ROUTE CABLES IN ACCESSIBLE CEILING CAVITY ON MULTI-LEVEL J-HOOKS SIZED FOR 40K PULL AT 6'-0" INTERVALS BACK TO SYSTEM HEAD-END EQUIPMENT. IN LOCATIONS OF EXPOSED AND FINISHED CEILING STRUCTURES, ROUTE IN EMT RACEWAYS.
- B. WALL RACEWAYS AND BOXES:** ROUTE IN 1" RACEWAY FROM WALL ACTIVATION OUTLET IN ROOMS/OFFICES CONCEALED TO CORRIDOR ACCESSIBLE CEILING CAVITY. PROVIDE END-BUSHING AND SLACK-CLIP AT CONDUIT ENDS. BUNDLE, TRAIL, ROUTE CABLES ON J-HOOKS AT 6'-0" INTERVALS BACK TO SYSTEM HEAD-END EQUIPMENT. ROUTE ALL LOW-VOLTAGE CABLES IN EMT RACEWAYS IN LOCATION OF EXPOSED AND FINISHED CEILING STRUCTURES.
- C. SYSTEM CABLES:** VERIFY EACH SYSTEM CABLE COLORS WITH OWNER PRIOR TO WORK. PROVIDE THE FOLLOWING PER OWNER/GUIDELINES:
DATA: BLUE
SECURITY: OWNER
ACCESS CONTROLS: MATCH EXISTING
SURVEILLANCE: OWNER
AUDIO: OWNER
VIDEO: OWNER
WIRELESS POINTS: WHITE
- F. RACEWAYS AND BOXES:** CONDUIT RACEWAYS SHALL BE COMMERCIAL GRADE STEEL AND ALUMINUM U.L. LISTED FOR THE APPLICATION AND NOT LESS THAN 1" IN TRADE SIZE. ALL EXPOSED EXTERIOR CONDUIT SHALL BE RIGID ONLY. IDENTIFY ALL EXPANSION JOINTS AND PROVIDE FOR EXPANSION JOINTS IN ALL CONDUITS CROSSING BUILDING BOUNDARIES. EXPOSED CONDUIT, JUNCTION BOXES AND ACCESSORIES IN FINISHED AREAS TO BE PAINTED AS DIRECTED BY ARCHITECT. COORDINATE CONDUIT RUNS IN EXPOSED AREAS SO THAT ALL RUNS ARE MADE PARALLEL OR PERPENDICULAR TO STRUCTURE.
- G. FIRE AND SMOKE WALL ASSEMBLIES:** CONTRACTOR SHALL IDENTIFY ALL FIRE AND SMOKE RATED WALLS AND PROVIDE U.L. LISTED SEALS AT NEW AND EXISTING PENETRATIONS.
- H. EXISTING FIRE ALARM:** VERIFY EXISTING MAIN ALARM SYSTEM CAN ACCEPT NEW WORK INDICATED. PROVIDE ADDITIONAL ADDRESSABLE MODULES REQUIRED FOR WIRING AND ANNUNCIATION. FIRE ALARM DEVICES AND APPLIANCES INDICATED SHALL BE U.L. LISTED FOR EXISTING FIRE ALARM SYSTEM. ROUTE HORIZONTAL CABLES TO DEVICES ON SPECIFIED HANGERS. WHERE RACEWAYS ARE EXPOSED, PAINT RED. SUBMIT UPGRADED FIRE ALARM SYSTEM SHOP DRAWINGS TO FIRE MARSHALL OR AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. SUBMIT APPROVED SHOP DRAWINGS TO OWNER AND ARCHITECT AT PROJECT CLOSEOUT.

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Revision Date	Revision

Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
GENERAL NOTES, LEGENDS AND FIXTURE SCHEDULE

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Checked	GDG,TEM		

Scale	Issue Date	03/31/2023
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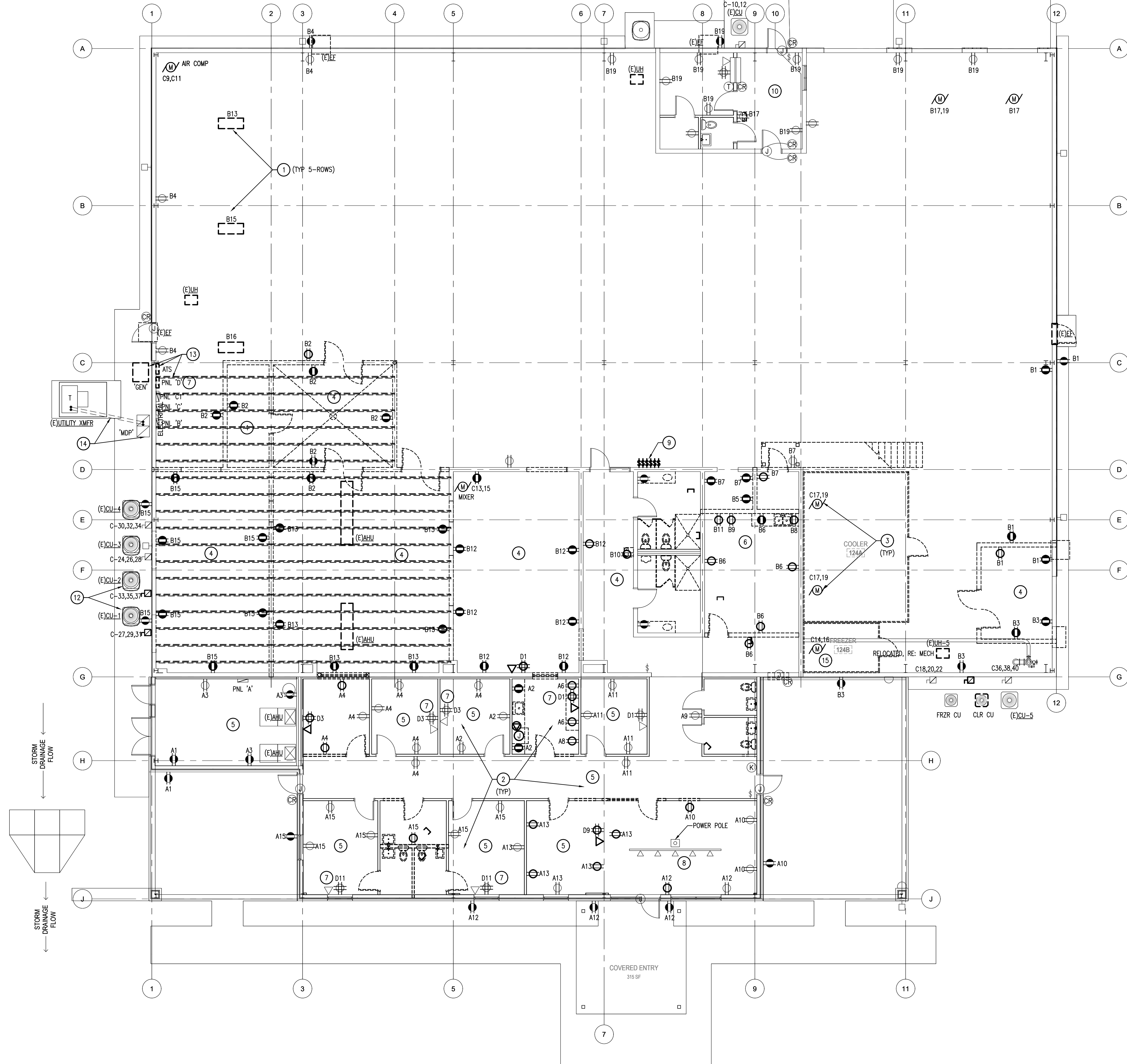
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Revision Date	Revision

KEYNOTES: (X)

1. REMOVE WAREHOUSE LIGHTING AND ASSOCIATED BRANCH CIRCUITS COMPLETELY.
2. REMOVE OFFICE LIGHTING AND ASSOCIATED BRANCH CIRCUITS COMPLETELY.
3. REMOVE COOLER AND ASSOCIATED COND. UNIT.
4. REMOVE OUTLET BRANCH CIRCUITS IN OLD PROCESS ROOMS COMPLETELY. WALLS SHALL BE FURRED-OUT AND NEW OUTLETS LOCATED. BLANK BACKBOX.
5. OUTLETS AND BRANCH CIRCUITS LOCATED IN EXISTING OFFICE AREAS TO REMAIN UNLESS NOTED OTHERWISE.
6. REMOVE BREAKROOM RECEPES AND ASSOCIATED BRANCH CIRCUITS COMPLETELY.
7. OUTLETS IN OFFICE AREA SERVED FROM PANEL 'D' SHALL BE RELOCATED TO PANEL 'B'. (CKTS D1,3,11)
8. REMOVE EXISTING TRACK LIGHT AND STORE FOR REUSE IN NEW WORK. RE-LAMP NON-WORKING LAMPS.
9. SWITCH BANK TO BE REDUCED TO ONLY (2) SWITCHES.
10. REMOVE EXISTING FIXTURES INDICATED TO BE REPLACED IN NEW WORK.
11. REMOVE POWER AND CABLING TO UNITS #3 & #4 TO BE RELOCATED IN NEW WORK.
12. REMOVE UNIT CU-1 & CU-2 POWER FROM PANEL 'C' TO BE RELOCATED TO PANEL 'C1' IN NEW WORK.
13. REMOVE EXISTING 20KW GENERATOR AND ATS. REMOVE PANEL 'D' AND RELOCATE CIRCUITS TO REMAIN TO PANEL 'B' INDICATED IN NEW WORK. RETURN GENERATOR AND ATS TO OWNER. STORE IN LOCATION ACCEPTABLE TO OWNER FOR RELOCATION TO ANOTHER SITE.
14. PROVIDE TEMPORARY POWER AND DISTRIBUTION REQUIRED FOR RECONSTRUCTION OF ELECTRICAL SERVICE ENTRANCE TO BE MODIFIED FOR NEW GENERATOR AND ATS IN NEW WORK. RE: E301.
15. REMOVE EXISTING FREEZER CONDENSING UNIT TO BE RECONNECTED IN NEW WORK.



1 ELECTRICAL DEMOLITION PLAN
Scale: 1/8" = 1'-0"

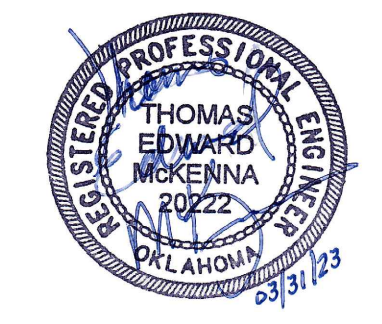


Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
ELECTRICAL DEMOLITION PLAN

Drawn **DMS,DSP** Project Number **2244**
Checked **GDG,TEM**

Issue Date **03/31/2023**

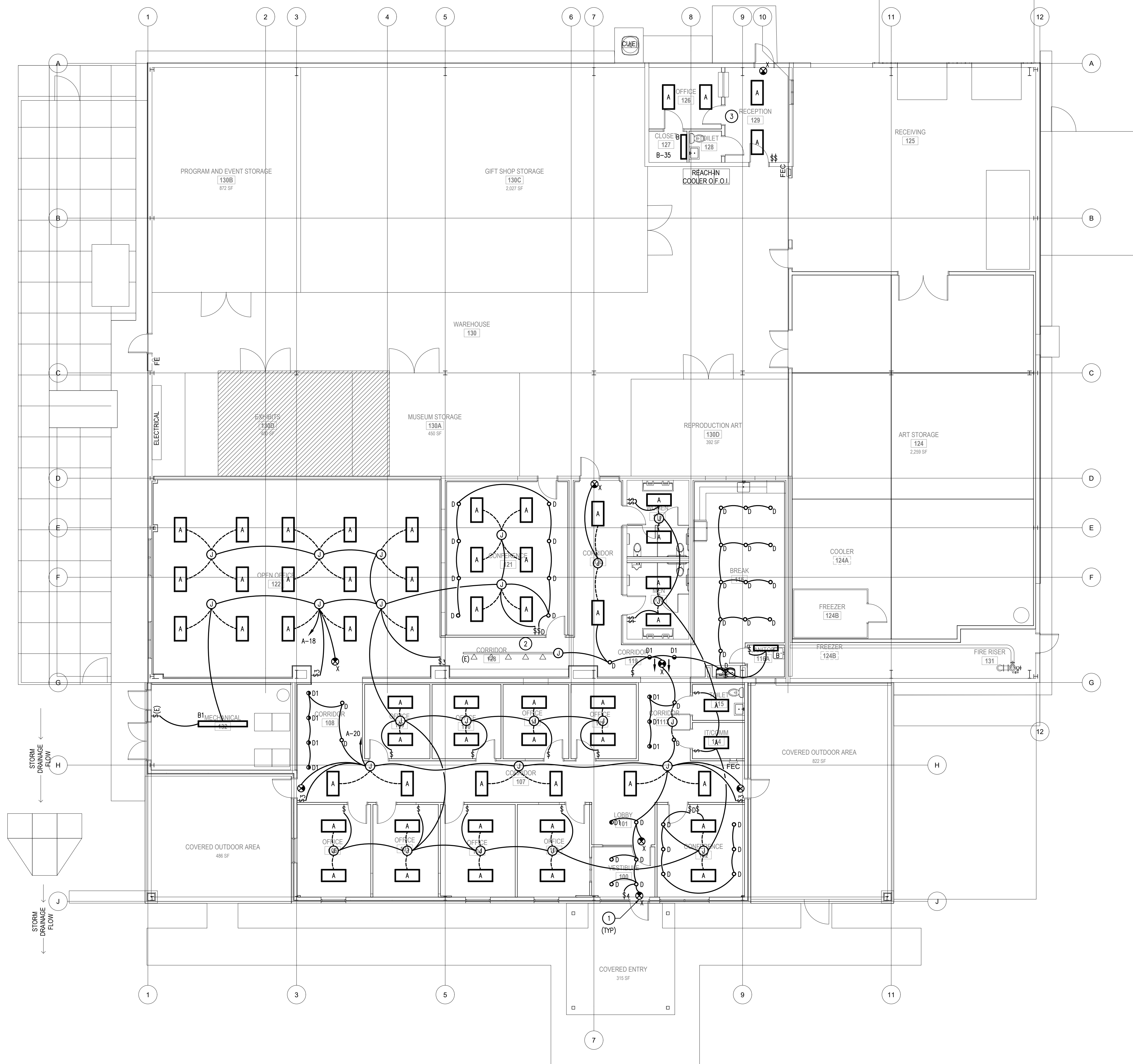


Sheet Number **ED100**

Revision Date	Revision

KEYNOTES: (X)

- EXIT AND NIGHT LIGHTS SHALL NOT BE SWITCHED.
- RELOCATE EXISTING TRACK LIGHTING AND ACCESSORIES REQUIRED TO MOUNT IN NEW LOCATION.
- PROVIDE NEW SCHEDULED FIXTURES IN EXISTING OFFICE FIXTURE LOCATIONS.



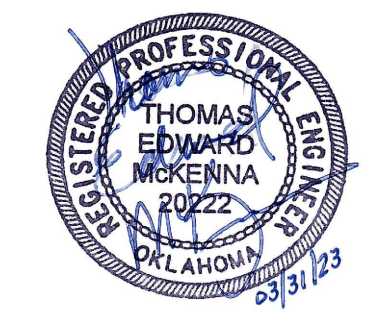
1 OFFICE LIGHTING PLAN
 Scale: 1/8" = 1'-0"
 NORTH

Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
 591 Main Pkwy, Tahlequah, OK 74464
 CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
OFFICE LIGHTING PLAN

Drawn **DMS,DSP** Project Number **2244**
 Checked **GDG,TEM**

File: CN Cultural Tourism Offices
 Issue Date **03/31/2023**

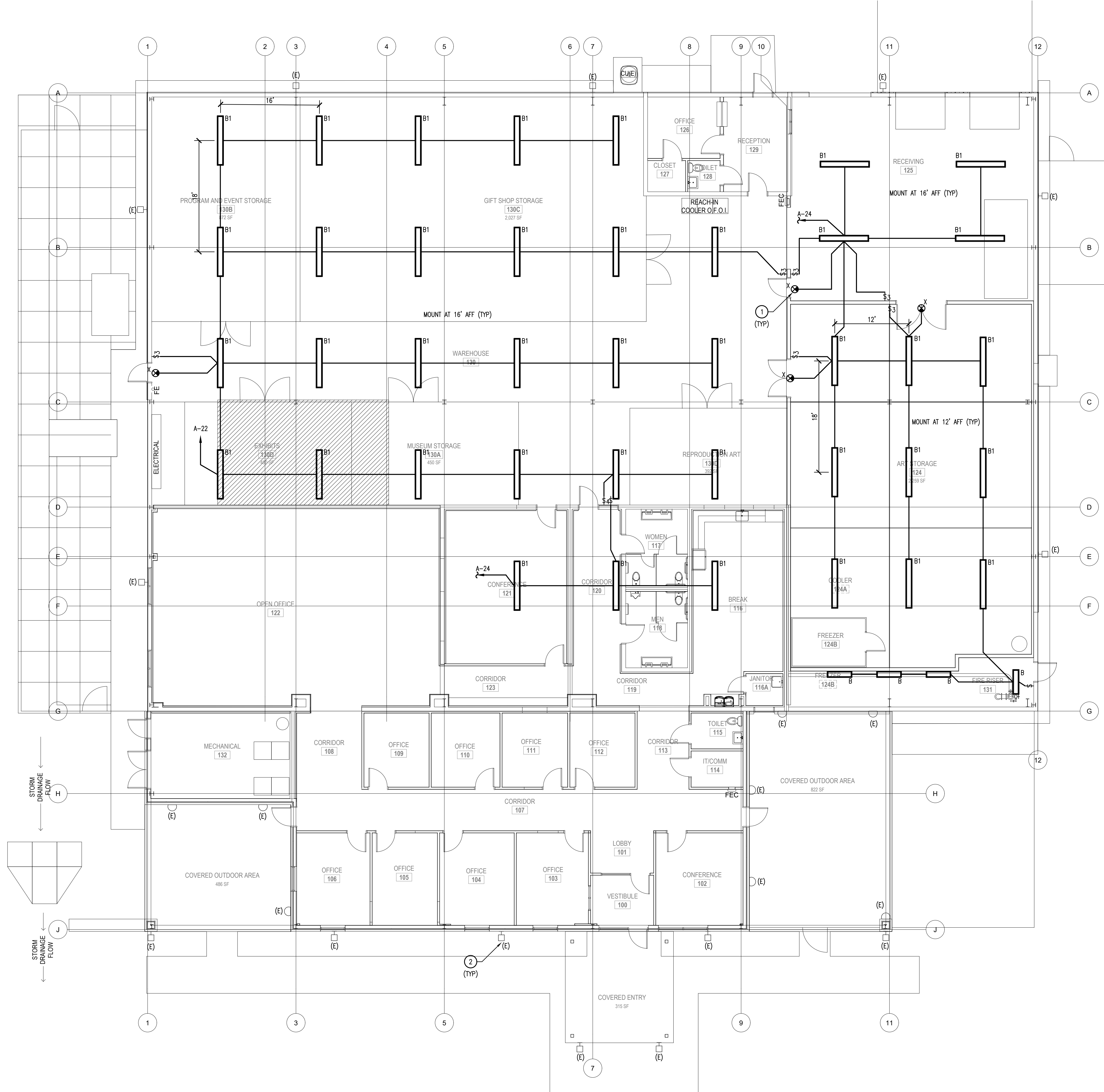


Sheet Number **E101**

Revision Date	Revision

KEYNOTES: (X)

- EXIT AND NIGHT LIGHTS SHALL NOT BE SWITCHED.
- EXISTING EXTERIOR LIGHTING TO REMAIN. TEST AND RE-LAMP FIXTURES NOT WORKING.



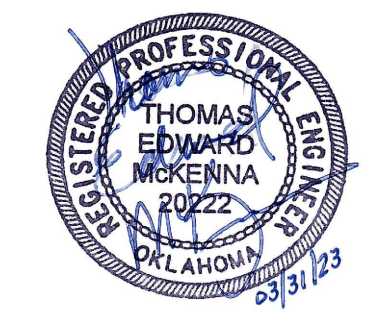
1 WAREHOUSE LIGHTING PLAN
 Scale: 1/8" = 1'-0"
 NORTH

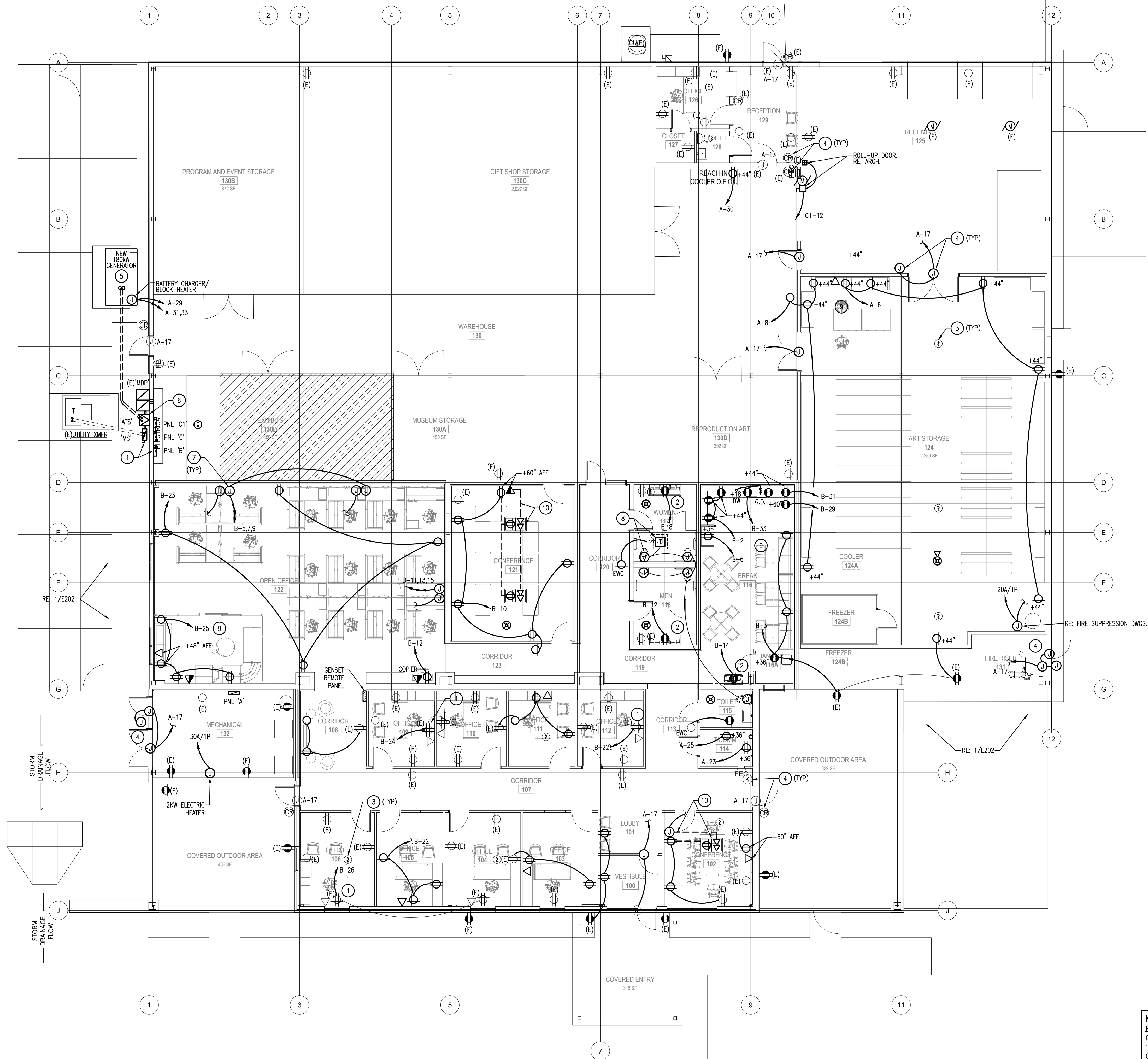
Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
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Sheet Title
WAREHOUSE LIGHTING PLAN

Drawn: DMS,DSP Project Number: 2244
 Checked: GDG,TEM

Issue Date: 03/31/2023
 Sheet Number





- KEYNOTES:** (X)
- HOMERUN CIRCUIT AT PANEL TO BE RELOCATED TO PANEL 'B'.
 - COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTOR FOR EXACT LOCATIONS.
 - FIRE ALARM:** RECONNECT EXISTING APPLIANCES AND DEVICES. PROVIDE NEW DEVICES/APPLIANCES MATCHING EXISTING MANUFACTURER REQUIRED PER NFPA 72.
 - ACCESS CONTROLS:** COORDINATE WITH OWNER'S VENDOR AND MODIFY EXISTING BACKBOXES PER DIRECTIVES. PROVIDE NEW BACKBOXES FOR CARD READERS AND PUSHBUTTONS AT NEW DOORS.
 - NEW GENSET:** PROVIDE CONCRETE PAD AND RACEWAY BLOCKOUTS PER MANUFACTURER'S SPECIFICATIONS. WIRING CONFIGURED FOR SEPARATELY DERIVED SYSTEM.
 - NEW ATS:** PROVIDE NEW CONCRETE EQUIPMENT PAD AND RACEWAY BLOCKOUTS PER MANUFACTURER'S SPECIFICATIONS. SUBMIT TO ENGINEER PROPOSED LOCATION AND WIRING PRIOR TO WORK. EXTEND AND TERMINATE TO EXISTING 'MDP'. PROVIDE WEATHERPROOF ENCLOSURES, PULLBOXES, WIRE TROUGHS, AND SEAL ALL PENETRATIONS. MODIFY/REPAIR GROUNDING ELECTRODE CONDUCTORS AND COMPLY WITH N.E.C. ARTICLE 250.
 - MODULAR FURNITURE:** PROVIDE FLUSH MOUNTED 4"x4"-1/8" JUNCTION BOX WITH MUDRING. PROVIDE ACTIVATION PLATE AND ACCESSORIES PER MANUFACTURER SPECIFICATIONS.
 - AUTO-FLUSH VALVES:** MOUNT LOW-VOLTAGE TRANSFORMER IN ACCESSIBLE CEILING CAVITY TO POWER VALVE BACK BOXES. BACK BOX ROUGH-IN LOCATION PER PLUMBING MANUFACTURER SPECIFICATIONS.
 - FURNITURE OUTLETS:** COORDINATE FINAL OUTLET LOCATIONS FOR FURNITURE AND MILLWORK WITH ARCHITECTURAL INTERIOR DESIGN DRAWINGS AND FURNITURE VENDOR SHOP DRAWINGS PRIOR TO WORK.
 - FLOOR OUTLETS:** COORDINATE FINAL OUTLET LOCATIONS FOR CONFERENCE ROOMS WITH ARCHITECTURAL INTERIOR DESIGN DRAWINGS AND FURNITURE VENDOR SHOP DRAWINGS PRIOR TO WORK. SAW CUT CONCRETE FLOOR TO ROUTE (1) 3/4" FOR POWER AND 1". FOR DATA BACK TO WALL. PATCH CONCRETE TO MATCH EXISTING. ROUTE DATA CONCEALED UP TO ACCESSIBLE CEILING CAVITY WITH END BUSHING AND NYLON PULLSTRING. PROVIDE WIREMOLD RFB4 SERIES BRUSHED ALUMINUM FLOOR BOX OR EQUAL WITH ALL ACCESSORIES AND OUTLETS FLUSH IN FLOOR WITH COVER PLATE INSET TO MATCH FLOOR FINISH.

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CA 3479 EXP. 06/30/2024

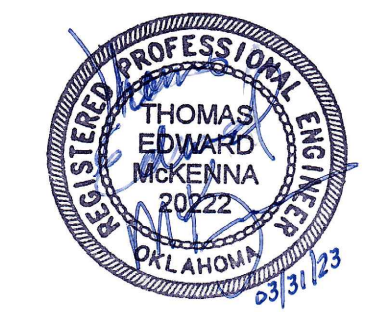
Revision Date	Revision

Project Title
CHEROKEE NATION CULTURAL TOURISM OFFICES
591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
POWER PLAN

Drawn **DMS,DSP** Project Number **2244**
Checked **GDG,TEM**

Issue Date **03/31/2023**
Sheet Number



E201

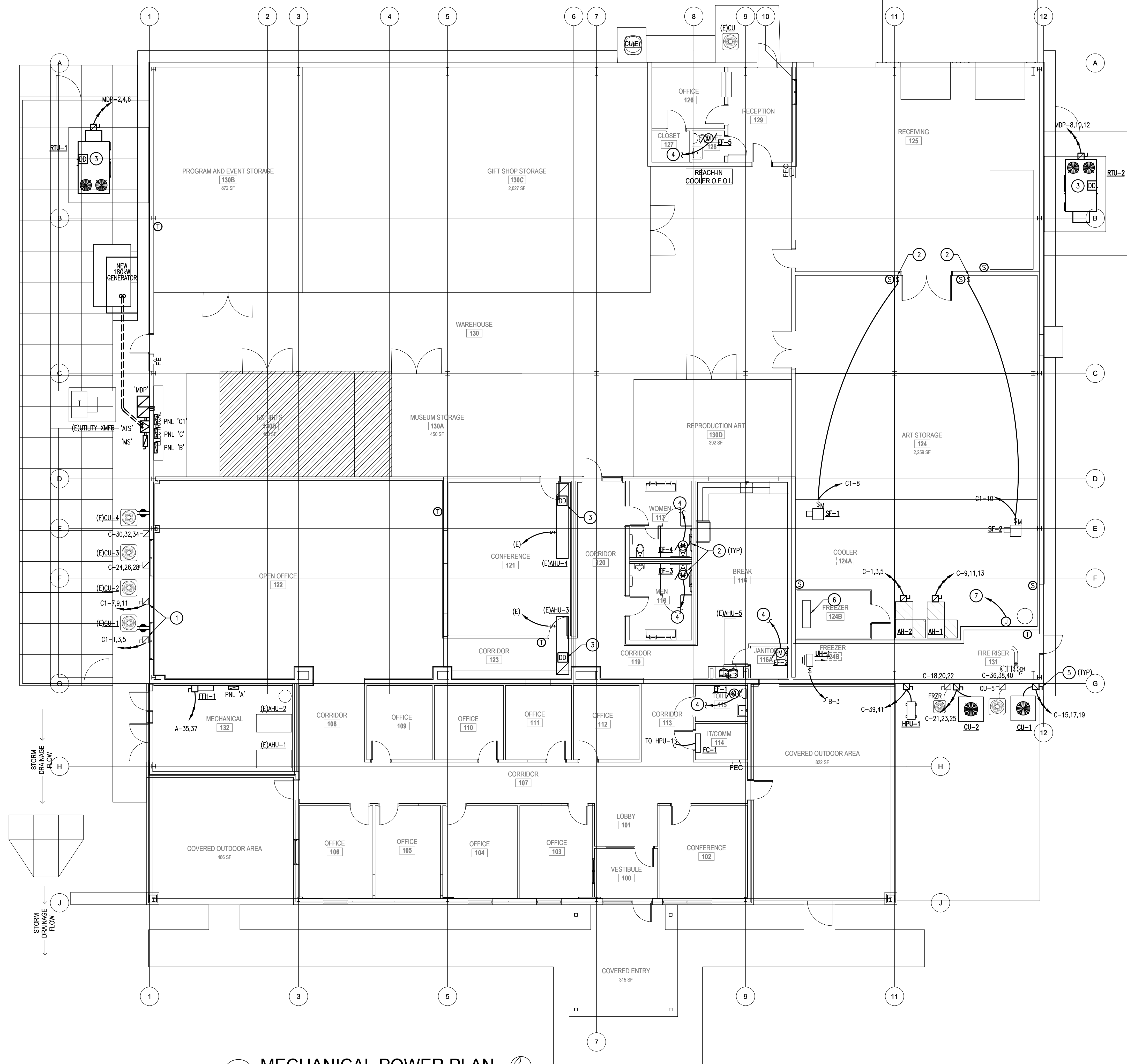
1 POWER PLAN
Scale: 1/8" = 1'-0" NORTH

NOTE:
PHYSICAL INFRASTRUCTURE STANDARDS: REFER TO OWNERS GUIDELINES DOCUMENT # CNB-PIS01, REV: 1.6, REVISION DATE: 12/2019. ALL LOW-VOLTAGE CABLING FOR SURVEILLANCE, ACCESS CONTROLS, DATA CABLE, FIBER OPTIC CABLE, AUDIO/VIDEO CABLING, RACKS AND RACK MOUNTED COMPONENTS, PANDUIT, CONDUIT, AND POWER DISTRIBUTION UNITS TO BE INSTALLED IN PROJECT. CONTACT TRACI ALEXANDER AT CHEROKEE NATION BUSINESS FOR UPDATED COPIES PRIOR TO WORK.

Revision Date	Revision

KEYNOTES: (X)

1. HOMERUN CIRCUIT AT PANEL TO BE RELOCATED TO PANEL 'B'.
2. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.
3. **FIRE ALARM:** RECONNECT EXISTING APPLIANCES AND DEVICES. PROVIDE NEW DEVICES/APPLIANCES MATCHING EXISTING MANUFACTURER REQUIRED PER NFPA 72.
4. SWITCH EXHAUST FANS WITH LIGHTS.
5. HEAVY-DUTY, NEMA 3R, FUSED DISCONNECTS. FUSE PER EQUIPMENT MANUFACTURER 'MODP' SPECIFICATIONS.
6. RECONNECT EXISTING FEEDER PER ORIGINAL MANUFACTURER SPECIFICATIONS.
7. PROVIDE ELECTRICAL CONNECTIONS TO NEW FIRE SUPPRESSION SYSTEM PER MANUFACTURER SPECIFICATIONS. INTERCONNECT ALARM SIGNAL WITH EXISTING FACP FOR ANNUNCIATION.



1 MECHANICAL POWER PLAN
Scale: 1/8" = 1'-0"
NORTH

Project Title

CHEROKEE NATION CULTURAL TOURISM OFFICES

591 Main Pkwy, Tahlequah, OK 74464

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Sheet Title

MECHANICAL POWER PLAN

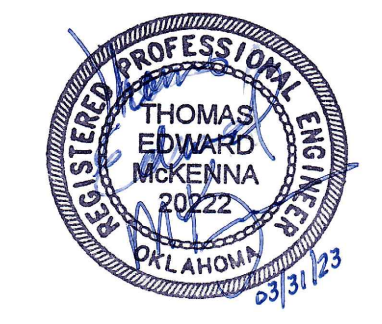
Drawn DMS,DSP Project Number 2244

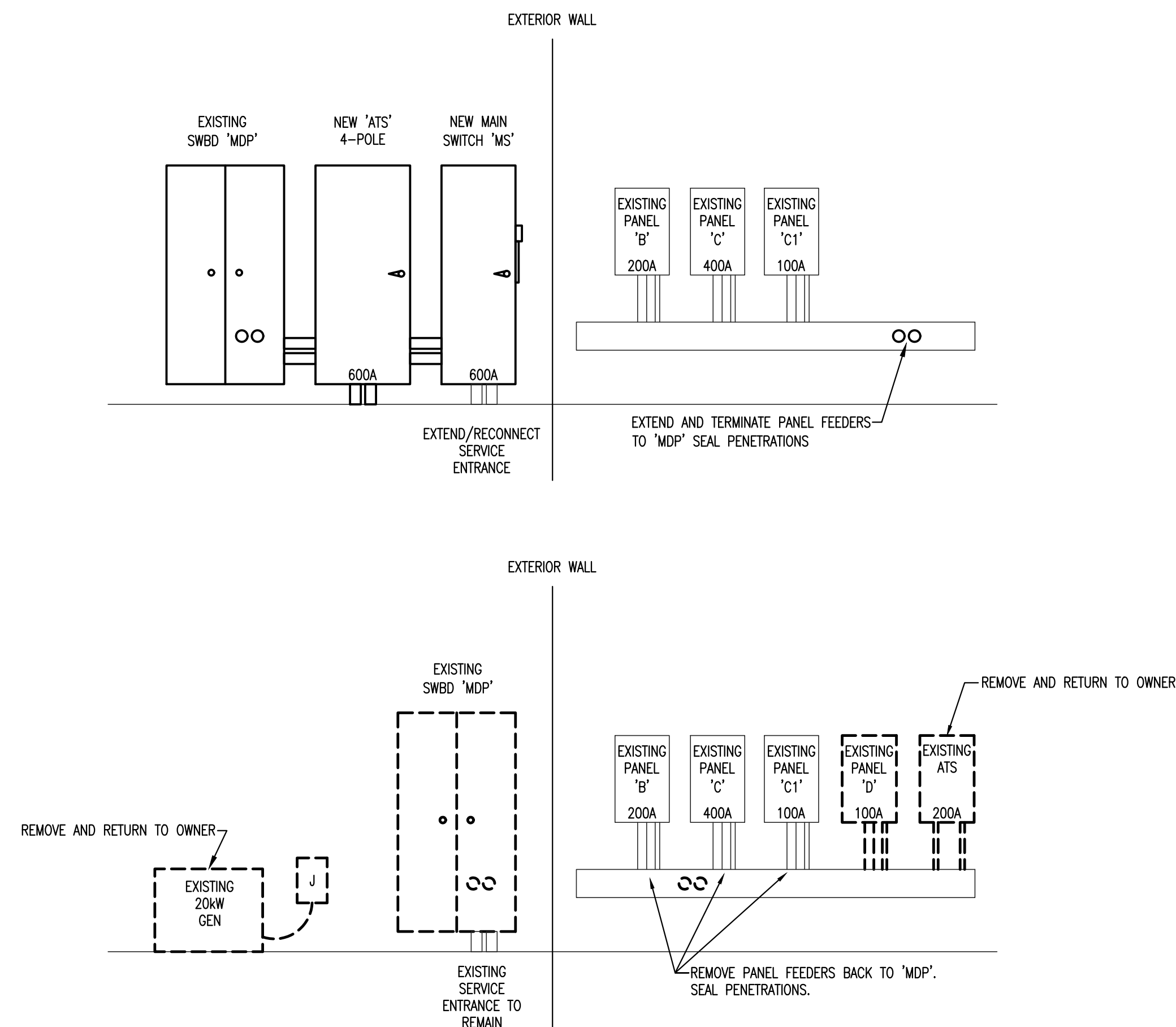
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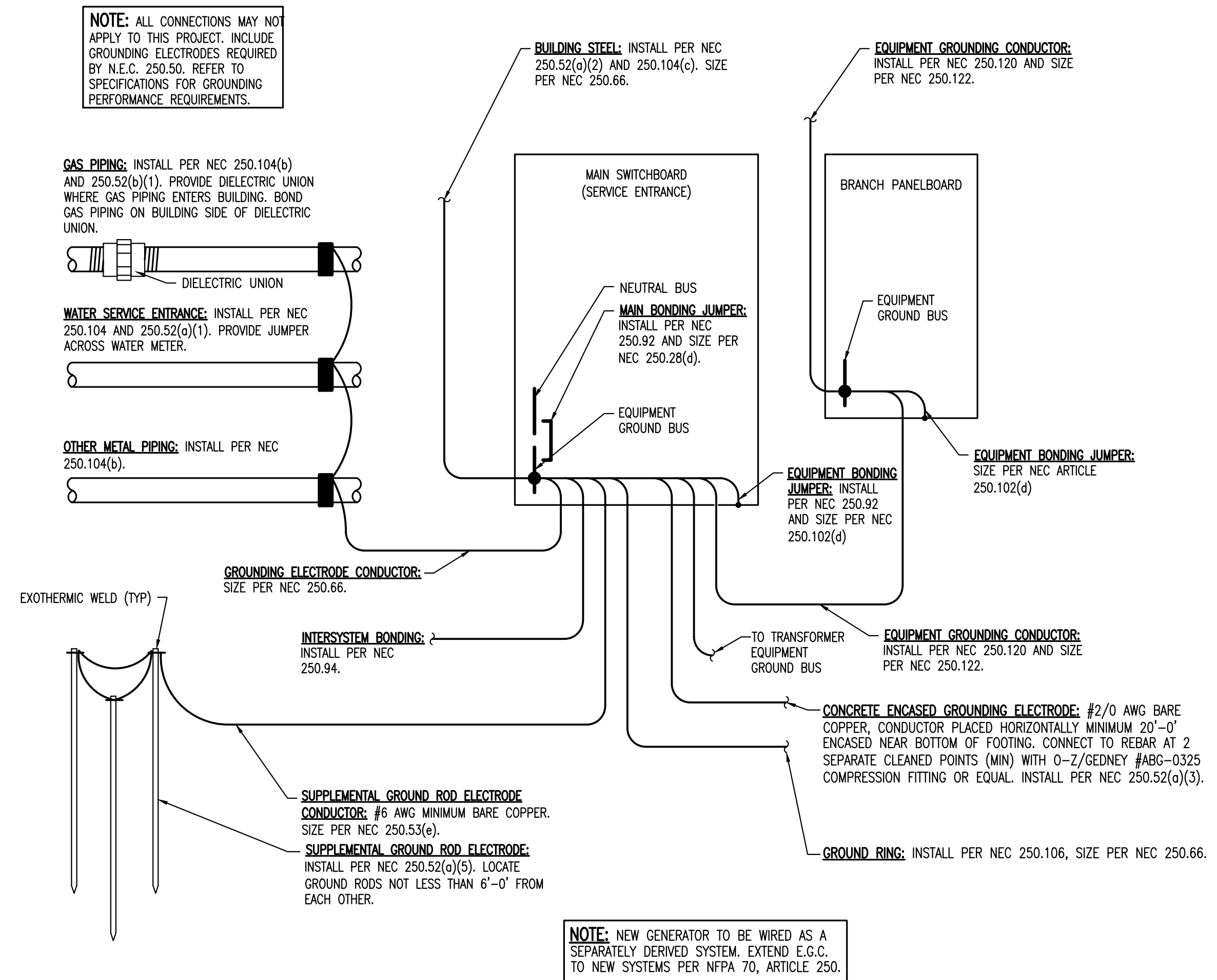
Issue Date 03/31/2023

Sheet Number

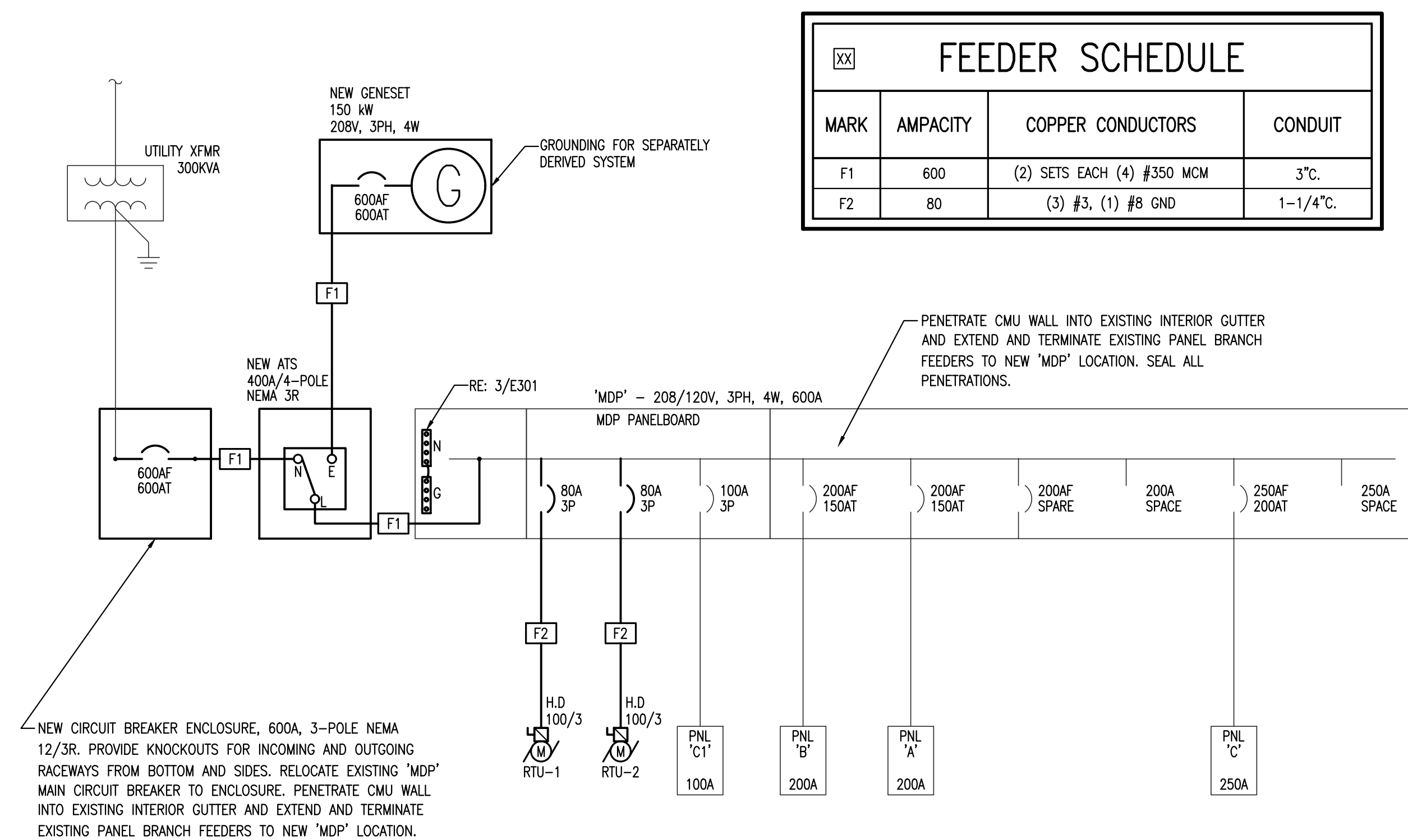




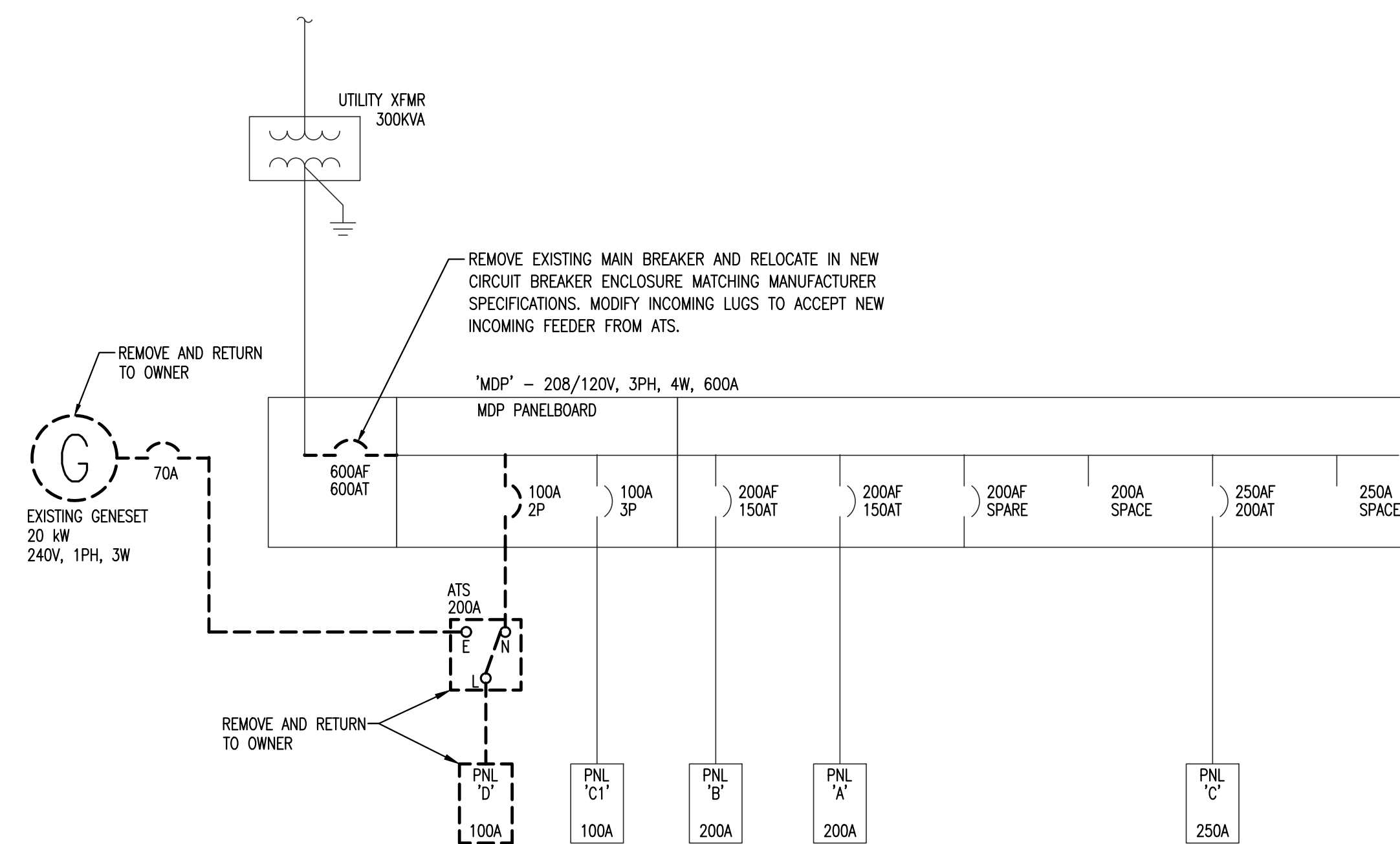
4 ELECTRICAL RISER/ELEVATIONS
Scale: NTS



3 TYPICAL GROUNDING RISER
Scale: NTS

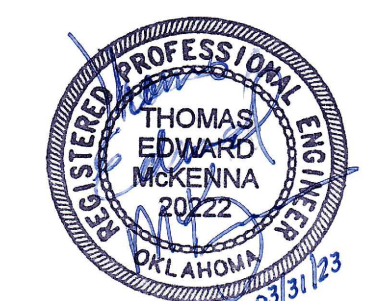


2 MODIFIED ONE-LINE DIAGRAM
Scale: NTS



1 EXISTING ONE-LINE DIAGRAM
Scale: NTS

Revision Date	Revision



EXISTING PANELBOARD 'A'										
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE										
VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 250 AMP, MLO AIC: (E)										
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT
1	BOILER RM LIGHTS	20	1	-	A	-	1	20	N. LAB RECEPTS	2
3	MECH RM RECEPTS	20	1	-	B	-	1	20	NE. OFFICE RECEPTS	4
5	STEAMER	20	2	-	C	-	1	20	S. LAB RECEPTS	6
7	-	-	-	-	A	-	1	20	REFRIDGE	8
9	EWC	20	1	-	B	-	1	20	E. STORE RECEPTS	10
11	SE. OFFICE RECEPTS	20	1	-	C	-	1	20	STORE RECEPTS	12
13	MID OFFICE RECEPTS	20	1	-	A	-	1	20	AHU-1	14
15	* FACP	20	1	-	B	-	1	20	AHU-2	16
17	OFFICE LIGHTS	20	1	-	C	-	1	20	LAB LIGHTS	18
19	EXTERIOR LIGHTS	20	1	-	A	-	1	20	LIGHTS	20
21	EXTERIOR LIGHTS	20	3	-	B	-	1	20	STORE LIGHTS	22
23	STORE LIGHTS	20	-	-	C	-	1	20	LIGHTS	24
25	LIGHTS	20	-	-	A	-	1	20	EXTERIOR LIGHTS	26
27	STORE LIGHTS	20	3	-	B	-	1	20	EXTERIOR LIGHTS	28
29	TOILET SOUTH	20	-	-	C	-	1	20	SPARE	30
31	HEATER OVER DOOR	30	2	-	A	-	1	40	SPARE	32
33	-	-	-	-	B	-	-	-	SPACE	34
35	SPACE	-	-	-	C	-	-	-	SPACE	36
37	SPACE	-	-	-	A	-	-	-	SPACE	38
39	SPACE	-	-	-	B	-	-	-	SPACE	40
41	SPACE	-	-	-	C	-	-	-	SPACE	42

	CONNECTED FEEDER	
PHASE A	KVA	AMPS
PHASE B	KVA	AMPS
PHASE C	KVA	AMPS

* PROVIDE LOCK-ON DEVICE AT BREAKER HANDLE

EXISTING PANELBOARD 'C'										
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE										
VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 250 AMP, MLO AIC: (E)										
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT
1	SPARE	20	1	-	A	-	1	20	SPARE	2
3	UNIT HTR #2	20	1	-	B	-	1	20	TRUCK OFFICE HTR	4
5	UNIT HTR #3	20	1	-	C	-	2	30	UNKNOWN (AIR COMP)	6
7	SPARE	20	1	-	A	-	-	-	-	8
9	120V GFCI	20	1	-	B	-	2	20	TRUCK OFFICE A/C UNIT	10
11	SPARE	20	1	-	C	-	-	-	-	12
13	CONVEYOR TABLE DROP	20	1	-	A	-	2	20	FREEZER EVAP	14
15	HEAT GUN DROP	20	1	-	B	-	-	-	-	16
17	COOLER/EVAP HEAT TRACE	20	1	-	C	-	3	30	FREEZER/COND. UNIT	18
19	COOLER/EVAP HEAT TRACE	20	1	-	A	-	-	-	-	20
21	COOLER COND. UNIT	30	3	-	B	-	-	-	-	22
23	-	-	-	-	C	-	3	30	A/C #3	24
25	-	-	-	-	A	-	-	-	-	26
27	A/C #1	30	3	-	B	-	-	-	-	28
29	-	-	-	-	C	-	3	30	A/C #4	30
31	-	-	-	-	A	-	-	-	-	32
33	A/C #2	30	3	-	B	-	-	-	-	34
35	-	-	-	-	C	-	3	30	A/C #5	36
37	-	-	-	-	A	-	-	-	-	38
39	HPU-1	20	2	0.94	B	-	-	-	-	40
41	-	-	-	0.94	C	-	1	20	SPARE	42

	CONNECTED FEEDER	
PHASE A	KVA	AMPS
PHASE B	KVA	AMPS
PHASE C	KVA	AMPS

* PROVIDE LOCK-ON DEVICE AT BREAKER HANDLE

EXISTING SWITCHBOARD 'MDP'										
SURFACE MOUNTED GROUND BUS NEMA 3R ENCLOSURE										
VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 600 AMP, MCB AIC: 65,000 (E)										
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT
1	PANEL 'C1'	100	3	-	A	-	3	80	RTU-1	2
3	-	-	-	-	B	-	-	-	-	4
5	-	-	-	-	C	-	-	-	-	6
7	PANEL 'D'	100	2	-	A	-	3	80	RTU-2	8
9	-	-	-	-	B	-	-	-	-	10
11	SPACE	-	-	-	C	-	-	-	-	12
13	SPACE	-	-	-	A	-	-	-	SPACE	14
15	SPACE	-	-	-	B	-	-	-	SPACE	16
17	SPACE	-	-	-	C	-	-	-	SPACE	18
1A	PANEL 'B'	200	3	-	A	-	3	150	PANEL 'A'	2A
3A	SPARE	150	3	-	B	-	-	-	SPACE	4A
5A	PANEL 'C'	250	3	-	A	-	-	-	SPACE	6A
7A	SPARE	-	-	-	B	-	-	-	-	8A

	CONNECTED FEEDER	
PHASE A	KVA	AMPS
PHASE B	KVA	AMPS
PHASE C	KVA	AMPS

* PROVIDE LOCK-ON DEVICE AT BREAKER HANDLE

EXISTING PANELBOARD 'B'										
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE										
VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 200 AMP, MLO AIC: (E)										
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT
1	SW WAREHOUSE CLEAN	20	1	-	A	-	1	20	SPICE/MIX RECEIPT	2
3	W WAREHOUSE CLEAN	20	1	-	B	-	1	20	SE WAREHOUSE CLEAN	4
5	LIGHTS TOOL/UTILITY	20	1	-	C	-	1	20	BREAKROOM	6
7	VENDING MACHINES	20	1	-	A	-	1	20	REFRIG.	8
9	VENDING MACHINES	20	1	-	B	-	1	20	EWC	10
11	KITCHEN RECEIPT	20	1	-	C	-	1	20	PROCESS RM RECEPTS	12
13	FILLING RECEPTS	20	1	-	A	-	1	20	SPARE-OFF	14
15	EWC	20	1	-	B	-	1	20	AHU-5	16
17	COOLER/EVAP HEAT TRACE	20	1	-	C	-	1	20	AHU-4	18
19	OFFICE DRIVERS	20	1	-	A	-	1	20	AHU-3	20
21	COOLER/FREEZER LIGHTS	20	1	-	B	-	1	20	WAREHOUSE LIGHTS	22
23	BREAKRM RECEPTS	20	1	-	C	-	1	20	WAREHOUSE LIGHTS	24
25	TOILET LIGHTS	20	1	-	A	-	1	20	WAREHOUSE LIGHTS	26
27	LIGHT CONTACTORS WAREHOUSE	20	1	-	B	-	1	20	WAREHOUSE LIGHTS	28
29	PROCESSING LIGHTS	20	1	-	C	-	1	20	WAREHOUSE LIGHTS	30
31	S. PROCESS LIGHTS	20	1	-	A	-	1	20	SPARE-ON	32
33	LIGHTS - BREAKER BOX AREA	20	1	-	B	-	1	20	SPACE	34
35	OFFICE DRIVER LIGHTS	20	1	-	C	-	1	20	EXTERIOR LIGHTS	36
37	SPARE-OFF	30	3	-	A	-	1	20	EXTERIOR LIGHTS/PC	38
39	-	-	-	-	B	-	2	30	DRYER	40
41	-	-	-	-	C	-	-	-	-	42

	CONNECTED FEEDER	
PHASE A	KVA	AMPS
PHASE B	KVA	AMPS
PHASE C	KVA	AMPS

* PROVIDE LOCK-ON DEVICE AT BREAKER HANDLE

EXISTING PANELBOARD 'C1'										
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE										
VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 200 AMP, MLO AIC: (E)										
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT
1	VENT HOOD (SPARE-OFF)	20	3	-	A	-	3	20	VENT HOOD (SPARE-OFF)	2
3	-	-	-	-	B	-	-	-	-	4
5	-	-	-	-	C	-	-	-	-	6
7	WAREHOUSE EXHAUST FANS	20	3	-	A	-	1	20	VENT HOOD CTL (SPARE-OFF)	8
9	-	-	-	-	B	-	1	20	VENT HOOD LIGHTS (SPARE-OFF)	10
11	-	-	-	-	C	-	1	20	VENT HOOD LIGHTS (SPARE-OFF)	12
13	OVERHEAD DOOR	20	1	-	A	-	1	20	RECEPT RIGHT OF PANELS	14
15	OVERHEAD DOOR	20	1	-	B	-	1	20	DOCK PLATE	16
17	OVERHEAD DOOR	20	1	-	C	-	1	20	SPARE-OFF	18
19	OVERHEAD DOOR	20	1	-	A	-	3	30	EAST KETTLE (SPARE-OFF)	20
21	OVERHEAD FANS	20	1	-	B	-	-	-	-	22
23	OVERHEAD FANS	20	1	-	C	-	-	-	-	24

	CONNECTED FEEDER	
PHASE A	KVA	AMPS
PHASE B	KVA	AMPS
PHASE C	KVA	AMPS

* PROVIDE LOCK-ON DEVICE AT BREAKER HANDLE

DEMO PANELBOARD 'D'										
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE										
VOLT: 120/240V, 1PH, 3 WIRE AMPS: 100 AMP, MLO AIC: 10,000										
CKT	DESCRIPTION	BRKR	PL	KVA	LINE	KVA	PL	BRKR	DESCRIPTION	CKT
1	E. OFFICE RECEPTS	20	1	-	L1	-	1	20	CONVEYOR (SPARE-OFF)	2
3	NE. OFFICE RECEPTS	20	1	-	L2	-	1	20	CONVEYOR (SPARE-OFF)	4
5	KETTLE PUMP (SPARE-OFF)	20	2	-	L1	-	1	20	CONVEYOR	6
7	-	-	-	-	L2	-	1	20	CONVEYOR	8
9	STORE COMPUTER RECEPTS	20	1	-	L1	-	1	20	HALL LIGHTS	10
11	NW. OFFICE RECEPTS	20	1	-	L2	-	1	20	A/H OFFICE AREA	12
13	HALL LIGHTS OFFICE AREA	20	1	-	L1	-	1	20	SPARE	14
15	UNIT HTR #1 (ABOVE PANELS)	20	1	-	L2	-	1	20	KITCHEN LIGHTS	16
17	-	20	1	-	L1	-	1	20	CONVEYOR RM LIGHTS	18
19	-	20	1	-	L2	-	1	20	-	20
21	CONVEYOR HTR (SPARE-OFF)	30	2	-	L1	-	2	40	AIR COMPRESSOR (SPARE-OFF)	22
23	-	-	-	-	L2	-	-	-	-	24

	CONNECTED FEEDER	
PHASE A	KVA	AMPS
PHASE B	KVA	AMPS

* PROVIDE LOCK-OFF DEVICE AT BREAKER HANDLE

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Revision Date	Revision

Project Title
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591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

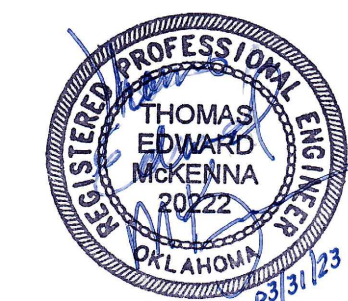
Sheet Title
EXISTING PANELBOARDS

Drawn **DMS,DSP** Project Number **2244**
Checked **GDG,TEM**

File: CN Cultural Tourism Offices

Issue Date **03/31/2023**

Sheet Number



E401

MODIFIED PANELBOARD 'A'											
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE		VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 250 AMP, MLO AIC: (E)									
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT	
1	MECH RM RECEPTS	20	1	0.54	A	0.72	1	20	OFFICE RECEPTS	2	
3	MECH RM RECEPTS	20	1	0.54	B	0.90	1	20	NE. OFFICE RECEPTS	4	
5	SPARE	20	2	0.18	C	0.54	1	20	ART STORAGE RECEPTS	6	
7	-	-	-	0.18	A	0.72	1	20	ART STORAGE RECEPTS	8	
9	EWC	20	1	0.80	B	0.72	1	20	E. STORE RECEPTS	10	
11	SE. OFFICE RECEPTS	20	1	0.72	C	0.72	1	20	STORE RECEPTS	12	
13	MID OFFICE RECEPTS	20	1	0.72	A	1.38	1	20	AHU-1	14	
15	* FACP	20	1	0.50	B	1.38	1	20	AHU-2	16	
17	* ACCESS CONTROLS	20	1	1.20	C	0.96	1	20	OFFICE LGTGS	18	
19	SPARE	20	1	0.18	A	1.02	1	20	OFFICE LGTGS	20	
21	EXTERIOR LIGHTS	20	1	0.50	B	1.92	1	20	WAREHOUSE LIGHTS	22	
23	LT. RECEPTS	20	1	1.00	C	1.30	1	20	WAREHOUSE LIGHTS	24	
25	LT. RECEPTS	20	1	1.00	A	1.50	1	20	EXTERIOR LIGHTS	26	
27	SPARE	20	1	0.18	B	0.90	1	20	EXTERIOR LIGHTS	28	
29	GEN BATTERY CHRGR.	20	1	0.80	C	1.20	1	20	REACH-IN COOLER	30	
31	GEN BLOCK HEATER	30	2	1.50	A	0.18	1	40	SPARE	32	
33	-	-	-	1.50	B	-	-	-	SPACE	34	
35	NEW MECH RM UNIT HEATER	20	2	1.25	C	-	-	-	SPACE	36	
37	-	-	-	1.25	A	-	-	-	SPACE	38	
39	SPACE	-	-	-	B	-	-	-	SPACE	40	
41	SPACE	-	-	-	C	-	-	-	SPACE	42	
		KVA		AMPS		CONNECTED		KVA		AMPS	
PHASE A		9.64		80.33		27.06		75.17			
PHASE B		9.84		82.0		-		-			
PHASE C		7.60		63.33		-		-			

* PROVIDE LOCK-ON DEVICE AT BREAKER HANDLE

MODIFIED PANELBOARD 'C'											
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE		VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 250 AMP, MLO AIC: (E)									
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT	
1	AH-1	70	3	6.38	A	0.18	1	20	SPARE	2	
3	-	-	-	6.38	B	1.00	1	20	TRUCK OFFICE AHU	4	
5	-	-	-	6.38	C	0.18	2	30	SPARE	6	
7	AH-2	70	3	6.38	A	0.18	-	-	-	8	
9	-	-	-	6.38	B	1.64	2	20	TRUCK OFFICE A/C UNIT	10	
11	-	-	-	6.38	C	1.64	-	-	-	12	
13	120V GFCI (MOVE FROM CKT-9)	20	1	1.56	A	0.42	2	20	FREEZER EVAP	14	
15	CU-1	15	3	0.36	B	0.42	-	-	-	16	
17	-	-	-	0.36	C	2.06	3	30	FREEZER/COND. UNIT	18	
19	-	-	-	0.36	A	2.06	-	-	-	20	
21	CU-2	15	3	0.36	B	2.06	-	-	-	22	
23	-	-	-	0.36	C	2.56	3	30	A/C #3	24	
25	-	-	-	0.36	A	2.56	-	-	-	26	
27	SPARE	30	3	0.18	B	2.56	-	-	-	28	
29	-	-	-	0.18	C	2.56	3	30	A/C #4	30	
31	-	-	-	0.18	A	2.56	-	-	-	32	
33	SPARE	30	3	0.18	B	2.56	-	-	-	34	
35	-	-	-	0.18	C	1.70	3	30	A/C #5	36	
37	-	-	-	0.18	A	1.70	-	-	-	38	
39	SPARE	20	2	-	B	1.70	-	-	-	40	
41	-	-	-	-	C	0.18	1	20	SPARE	42	
		KVA		AMPS		CONNECTED		KVA		AMPS	
PHASE A		24.70		205.83		74.30		206.39			
PHASE B		25.42		211.83		-		-			
PHASE C		24.18		201.50		-		-			

MODIFIED SWITCHBOARD 'MDP'											
SURFACE MOUNTED GROUND BUS NEMA 3R ENCLOSURE		VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 600 AMP, MCB AIC: 65,000 (E)									
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT	
1	PANEL 'C1'	100	3	7.22	A	8.16	3	80	RTU-1	2	
3	-	-	-	7.22	B	8.16	-	-	-	4	
5	-	-	-	7.22	C	8.16	-	-	-	6	
7	SPARE	100	2	-	A	8.16	3	80	RTU-2	8	
9	-	-	-	-	B	8.16	-	-	-	10	
11	SPACE	-	-	-	C	8.16	-	-	-	12	
13	SPACE	-	-	-	A	-	-	-	SPACE	14	
15	SPACE	-	-	-	B	-	-	-	SPACE	16	
17	SPACE	-	-	-	C	-	-	-	SPACE	18	
19	PANEL 'B'	200	3	10.32	A	9.64	3	150	PANEL 'A'	20	
21	-	-	-	7.52	B	9.84	-	-	-	2A	
23	-	-	-	8.46	C	7.60	-	-	-	-	
25	SPARE	150	3	-	A	-	-	-	SPACE	26	
27	-	-	-	-	B	-	-	-	-	28	
29	-	-	-	-	C	-	-	-	-	30	
31	-	-	-	-	A	-	-	-	-	32	
33	SPARE	250	3	24.70	B	-	-	-	SPACE	34	
35	-	-	-	24.18	C	-	-	-	-	36	
37	-	-	-	-	A	-	-	-	-	38	
39	SPARE	-	-	-	B	-	-	-	-	40	
41	SPARE	-	-	-	C	-	-	-	-	42	
		KVA		AMPS		CONNECTED		KVA		AMPS	
PHASE A		68.20		568.33		198.30		550.83			
PHASE B		66.32		552.67		-		-			
PHASE C		63.78		531.50		-		-			

MODIFIED PANELBOARD 'B'											
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE		VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 200 AMP, MLO AIC: (E)									
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT	
1	WAREHOUSE GFCI	20	1	0.36	A	0.54	1	20	BREAK RM RECEPTS	2	
3	WAREHOUSE GFCI/BREAKRM	20	1	1.20	B	0.72	1	20	SE WAREHOUSE RECEPTS	4	
5	OPEN OFFICE RECEPTS	20	1	0.36	C	0.80	1	20	REFRIGERATOR	6	
7	OPEN OFFICE RECEPTS	20	1	0.36	A	0.80	1	20	TOILET LAVATORY	8	
9	OPEN OFFICE RECEPTS	20	1	0.36	B	0.80	1	20	EWC	10	
11	OPEN OFFICE RECEPTS	20	1	0.36	C	0.80	1	20	TOILET LAVATORY	12	
13	OPEN OFFICE RECEPTS	20	1	0.36	A	0.80	1	20	EWC	14	
15	OPEN OFFICE RECEPTS	20	1	0.36	B	1.38	1	20	AHU-5	16	
17	OFFICE DRIVERS EWC	20	1	0.80	C	1.38	1	20	AHU-4	18	
19	OFFICE DRIVERS RECEPTS	20	1	1.20	A	1.38	1	20	AHU-3	20	
21	COOLER/FREEZER LIGHTS	20	1	0.30	B	0.72	1	20	OFFICE RECEPTS (PNL-D)	22	
23	OPEN OFFICE RECEPTS	20	1	0.72	C	0.36	1	20	OFFICE RECEPTS (PNL-D)	24	
25	OPEN OFFICE RECEPTS	20	1	1.20	A	0.72	1	20	OFFICE RECEPTS (PNL-D)	26	
27	LIGHT CONTACTORS WAREHOUSE	20	1	0.50	B	0.18	1	20	SPARE	28	
29	MICROWAVE	20	1	1.50	C	0.18	1	20	SPARE	30	
31	MICROWAVE	20	1	1.50	A	0.50	1	20	SPARE-ON	32	
33	DISPOSAL/DISHWASHER	20	1	1.00	B	-	1	20	SPACE	34	
35	OFFICE DRIVER LIGHTS	20	1	0.20	C	1.00	1	20	EXTERIOR LIGHTS	36	
37	SPARE-OFF	30	3	-	A	0.80	1	20	EXTERIOR LIGHTS/PC	38	
39	-	-	-	-	B	-	2	30	SPARE	40	
41	-	-	-	-	C	-	-	-	-	42	
		KVA		AMPS		CONNECTED		KVA		AMPS	
PHASE A		10.52		87.67		26.50		73.61			
PHASE B		7.52		62.67		-		-			
PHASE C		8.46		70.50		-		-			

MODIFIED PANELBOARD 'C1'											
SURFACE MOUNTED GROUND BUS NEMA 1 ENCLOSURE		VOLT: 208Y/120V, 3PH, 4 WIRE AMPS: 100 AMP, MLO AIC: (E)									
CKT	DESCRIPTION	BRKR	PL	KVA	PHASE	KVA	PL	BRKR	DESCRIPTION	CKT	
1	A/C #1	30	3	2.56	A	0.18	3	20	SPARE	2	
3	-	-	-	2.56	B	0.18	-	-	-	4	
5	-	-	-	2.56	C	0.18	-	-	-	6	
7	A/C #2	30	3	2.56	A	0.18	1	20	SF-1	8	
9	-	-	-	2.56	B	0.18	1	20	SF-2	10	
11	-	-	-	2.56	C	1.20	1	20	ROLL-UP DOOR	12	
13	OVERHEAD DOOR	20	1	1.20	A	0.18	1	20	RECEPT RIGHT OF PANELS	14	
15	OVERHEAD DOOR	20	1	1.20	B	0.18	1	20	DOCK PLATE	16	
17	OVERHEAD DOOR	20	1	1.20	C	0.18	1	20	SPARE-OFF	18	
19	SPARE	20	1	0.18	A	0.18	3	30	(SPARE-OFF)	20	
21	SPARE	20	1	0.18	B	0.18	-	-	-	22	
23	SPARE	20	1	0.18	C	0.18	-	-	-	24	
		KVA		AMPS		CONNECTED		KVA		AMPS	
PHASE A		7.22		60.17		21.67		60.17			
PHASE B		7.22		60.17		-		-			
PHASE C		7.22		60.17		-		-			

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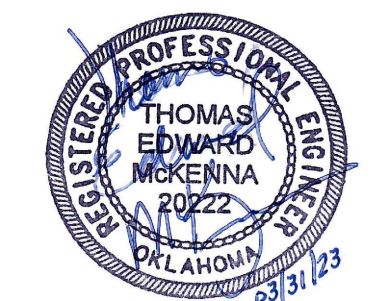
Revision Date	Revision

Project Title
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591 Main Pkwy, Tahlequah, OK 74464
CHEROKEE NATION CULTURAL AND ECONOMIC DEVELOPMENT LLC

Sheet Title
MODIFIED PANELBOARDS

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E402