

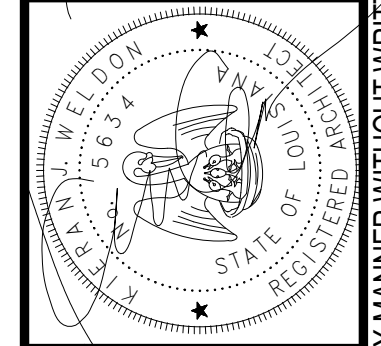
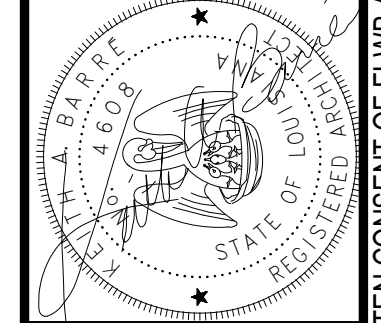
1 GMC DEMOLITION PLAN
 A2.1 1/8" = 1'-0"

architecture
 planning
 interior
 design

fl+
WB
 architects

a professional corporation incorporated since 1981

1404 GREENGATE DRIVE, SUITE 101
 COVINGTON, LA 70433
 985-893-4100



ISSUE	DATE

LEGACY GMC OF LAUREL
 ADDITIONS AND RENOVATIONS

2820 MS-15
 LAUREL, MS 39440

CONSTRUCTION DOCUMENTS

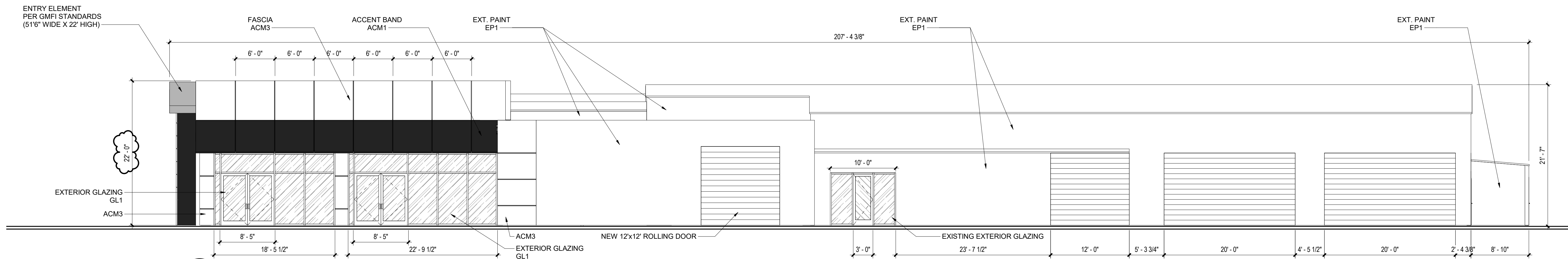
Date
 1.NOV.22

Key Plan	
DEMOLITION PLAN	
Job No.	#
Drawn by	Checked by
Author	Checker

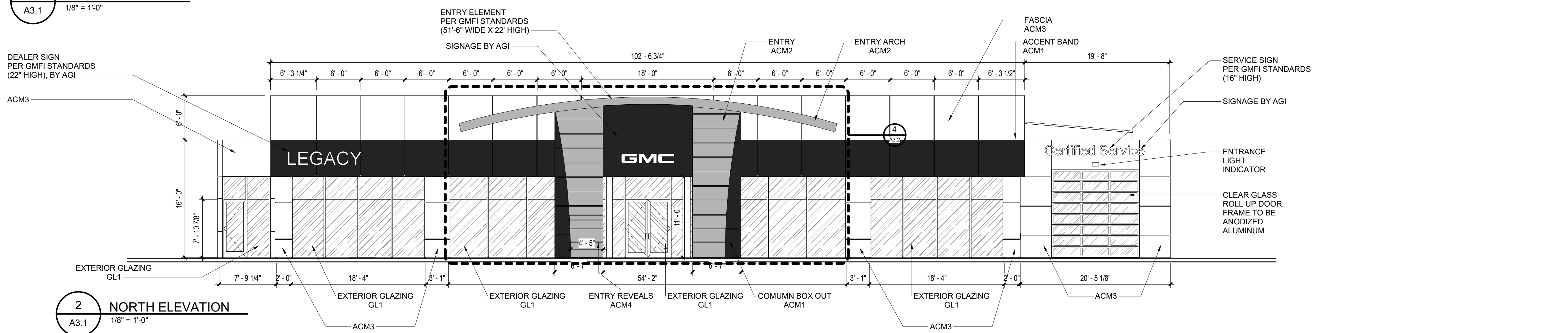
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 Sheet No.

KB KAUFMANN & CO, INC.

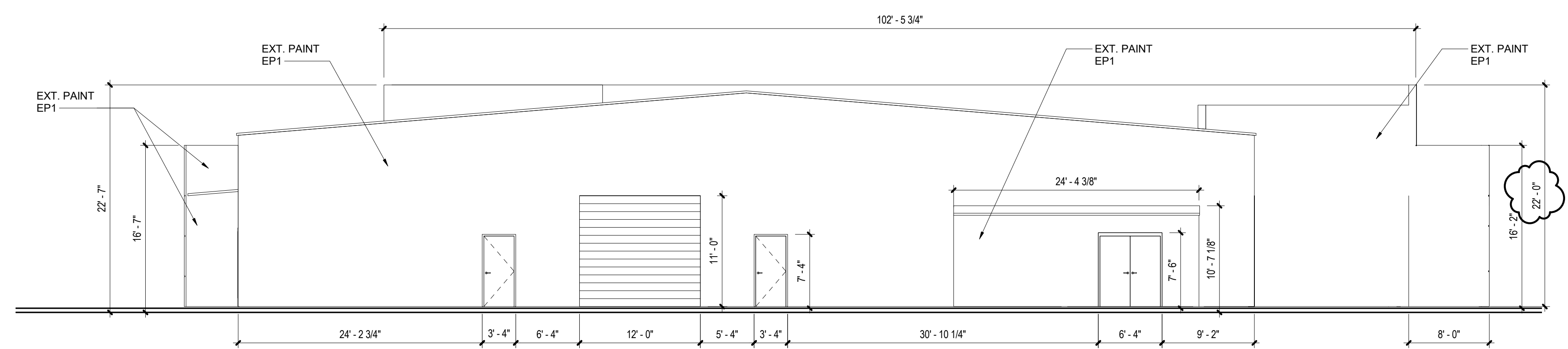
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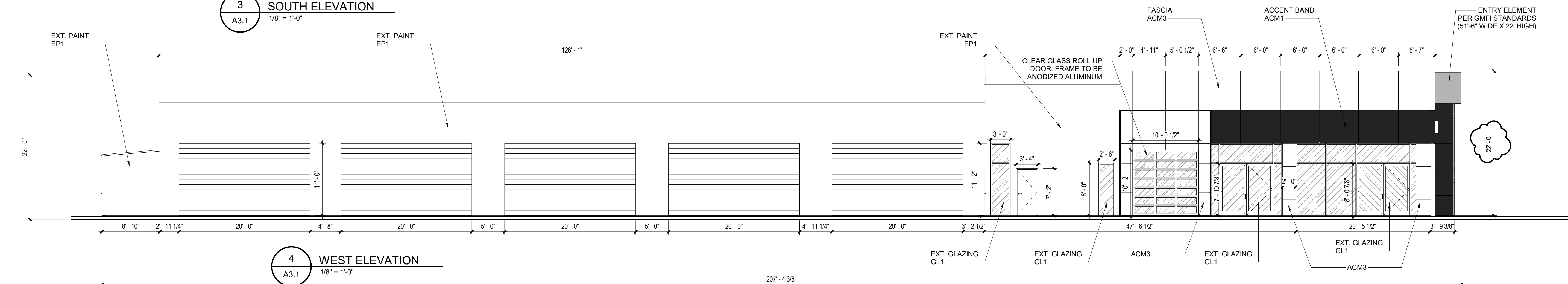
1 EAST ELEVATION
A3.1 1/8" = 1'-0"



2 NORTH ELEVATION
A3.1 1/8" = 1'-0"



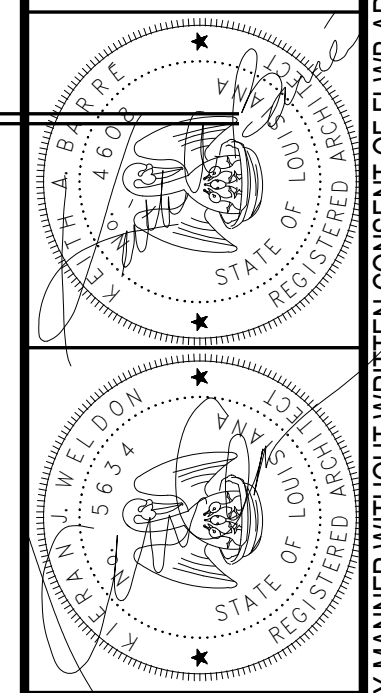
3 SOUTH ELEVATION
A3.1 1/8" = 1'-0"



4 WEST ELEVATION
A3.1 1/8" = 1'-0"

GENERAL NOTES:
 1. ACM PANELS TO BE A DRY JOINT SYSTEM. BATTEN, MOLDING OR FIELD CUT "SHEET AND STICK" SYSTEMS ARE NOT ACCEPTABLE. CAP FLASHINGS ARE NOT ACCEPTABLE. FLASHINGS MUST BE INTEGRAL TO THE SYSTEM.
 2. ACM FINISH AREAS TO BE FREE OF LIGHTS, CAMERAS, GUTTERS, AND OTHER BUILDING ACCESSORIES.

KB KAUFMANN & CO, INC.
 architecture
 planning
 sustainable design
 consulting
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 COVINGTON, LA 70433
 985-893-4100
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 architects
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DATE	
ISSUE	

LEGACY GMC OF LAUREL
ADDITIONS AND RENOVATIONS
 2820 MS-15
 LAUREL, MS 39440

CONSTRUCTION DOCUMENTS

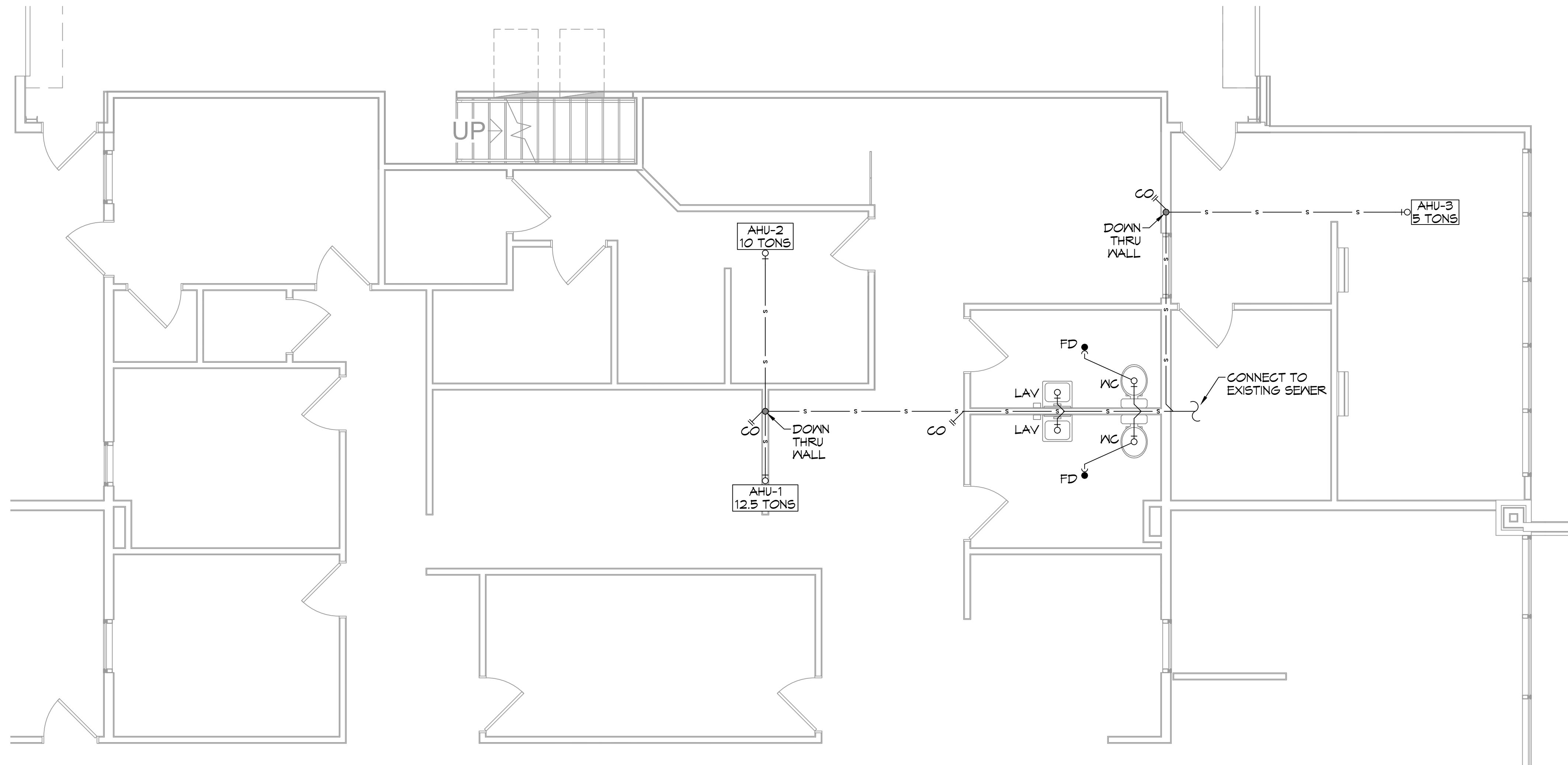
Date
1 NOV 22

EXTERIOR ELEVATIONS

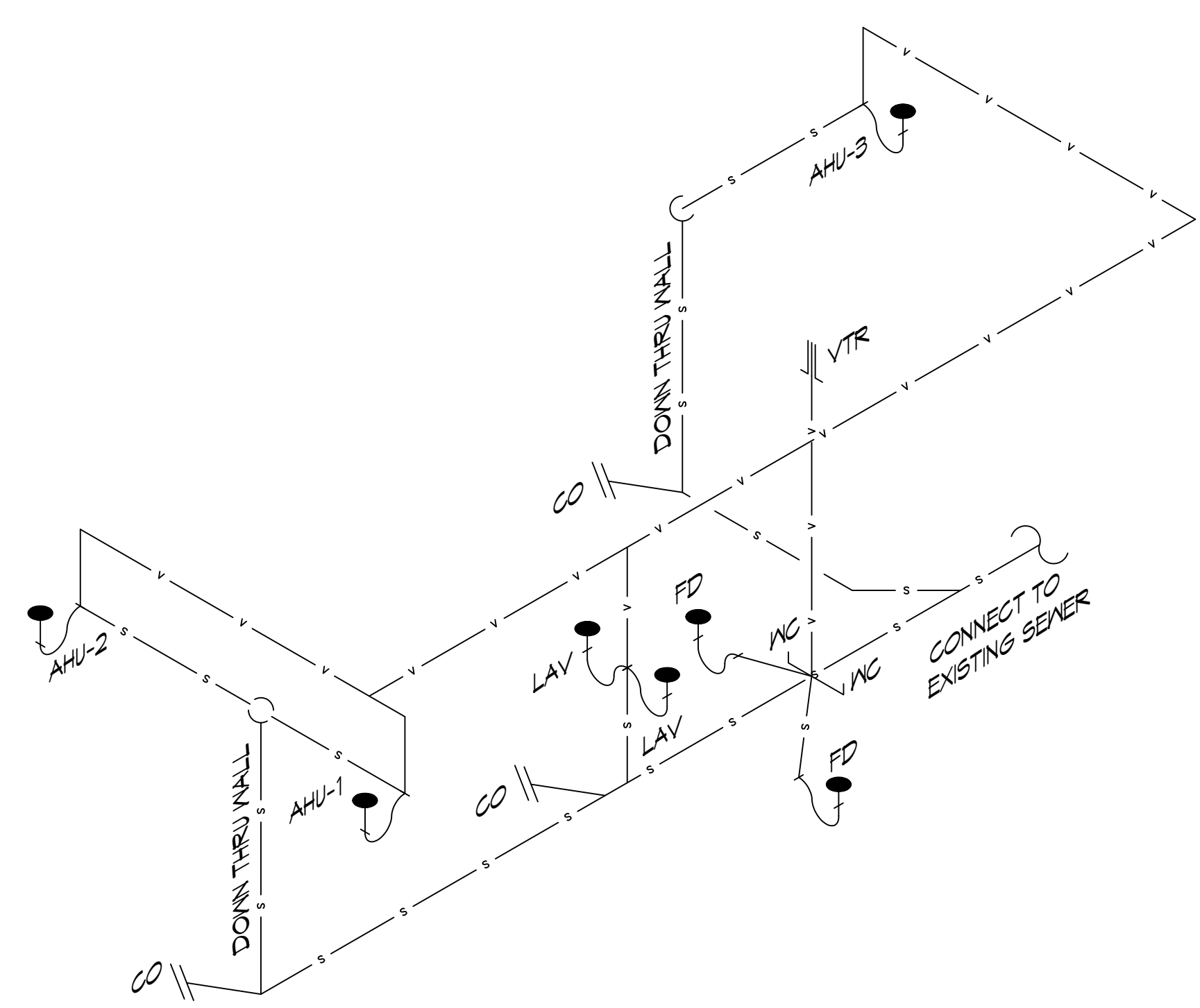
Job No. #
 Drawn by Author
 Checked by Checker

A3.1
 Sheet No.

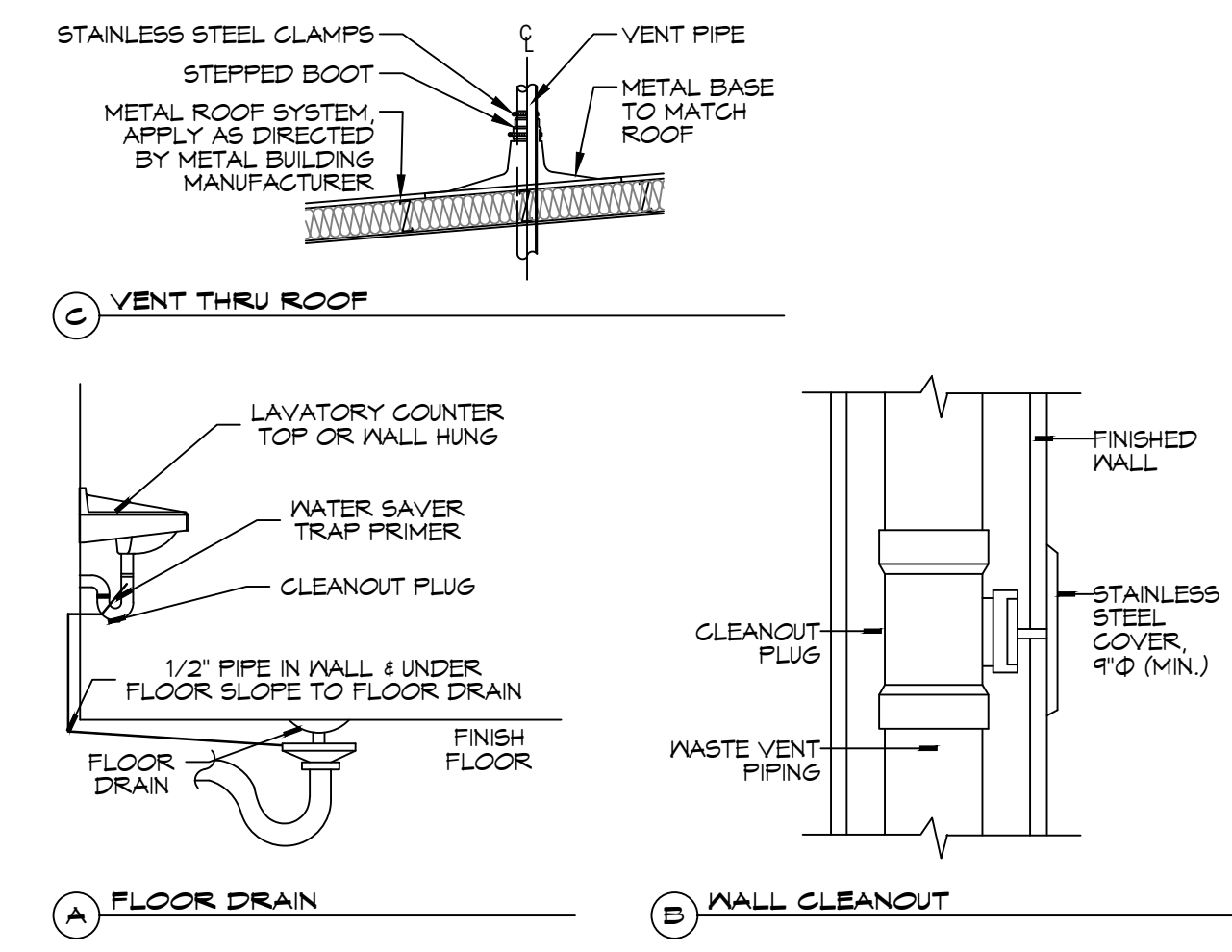
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1 PLUMBING PLAN
SCALE: 1/4" = 1'-0"



2 PLUMBING DIAGRAM
SCALE: NTS



PLUMBING DETAILS
SCALE: NTS

PLUMBING NOTES

1. PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
2. PROVIDE ALL LABOR, MATERIAL, TRANSPORTATION, SUPERVISION, CLEAN-UP, SERVICES, AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME, CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
3. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES. MUST MEET LA STATE PLUMBING CODE 2013 REQUIREMENTS.
4. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
5. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
6. SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4" AND LARGER SHALL BE 1/8" PER FOOT.
7. TEST ALL PIPING AT REQUIRED PRESSURE.
8. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL SYSTEM AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
9. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
10. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
11. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K, SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
12. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L, HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
13. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
14. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
15. ALL ELECTRICAL, MECHANICAL AND PLUMBING ELEMENTS PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
16. SEE ROOF PLAN FOR PLUMBING ROOF PENETRATIONS. ROUTE VENT PIPES IN ATTIC AS NECESSARY.
17. ALL VENTS THROUGH ROOF (VTR) SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY MECHANICAL OR NATURAL AIR INTAKE.

LEGEND

— s —	SEWER LINE
— v —	VENT LINE
— O —	P-TRAP
FD	FLOOR DRAIN
CO	CLEAN OUT
LAV	LAVATORY
WC	WATER CLOSET

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REVISIONS	DATE	DESCRIPTION



S M C O F L A U R E L
2020 MS-15
LAUREL MS 29440
JOB NO:
DRAWN BY:
DATE: 11-7-2022
CHECKED BY: C-KD
BAM

SHEET TITLE:
PLUMBING PLAN

DRAWING NUMBER:

P101

SPLIT SYSTEM HEAT PUMP SCHEDULE

TAG	AREA SERVED	TRANE AIR HANDLER MODEL NO.	NOMINAL TONS	TOTAL CFM	OACFM	COOLING REQ'D				AUX. HEAT KW	HEAT PUMP				MCA	REMARKS						
						TMB	SMBH	EDB	EVB		ESP (" WC)	VAC	PH	Hz			TAG	TRANE HEAT PUMP MODEL NO.	VAC	PH	Hz	
AHU-1	Show Room	TWE1504	12.5	5430	1270	145.3	123.5	79.2	65.6	0.4	19.9	460	3	60	33	CU-1	TWA1804	460	3	60	32	1, 2, 3, 4
AHU-2	Office Area	TWE1204	10	3710	1040	105.3	74.3	80	69.1	0.5	10	460	3	60	19	CU-2	TWA1204	460	3	60	20	1, 2, 3, 4
AHU-3	Auxiliary	TEMSA0D60	5	1820	750	61.5	41	83	71.1	0.3	7.6	240	1	60	49	CU-3	4TWR4060	240	1	60	32	1, 2, 3, 4

- NOTES:**
- Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
 - Provide inlet filter box, time delay relay, condensate overflow switch & programmable 7/24 thermostat with lockable cover.
 - Install units in accordance with manufacturer's recommendations.
 - Provide new filters after commissioning and final acceptance.

DIFFUSER SCHEDULE

TAG	SERVICE	NECK SIZE	DESCRIPTION
A	Supply Air	Ref. Plan	24" x 24" adjustable square cone, Price ASCDA or equal w/ insulated back panel
B	Supply Air	Ref. Plan	12" x 12" adjustable square cone, Price ASCDA or equal w/ insulated back panel
C	Supply Air	Ref. Plan	48" linear slot w/ 3 x 1" adjustable slots, Price SDS or equal w/ insulated SDA plenum
D	Supply Air	Ref. Plan	48" linear slot w/ 3 x 1-1/2" adjustable slots, Price SDS or equal w/ insulated SDA plenum
E	Return Air	Ref. Plan	12" x 12" perforated return, Titus PAR or equal
F	Return Air	Ref. Plan	24" x 24" perforated return, Titus PAR or equal
G	Return Air	Ref. Plan	24" x 48" perforated return, Titus PAR or equal

- Notes:**
- Seal around perimeter of diffusers/grilles to prevent moisture migration from attic space
 - Coordinate with owner / architect for color and finish
 - R value of insulated back panels to exceed R-6

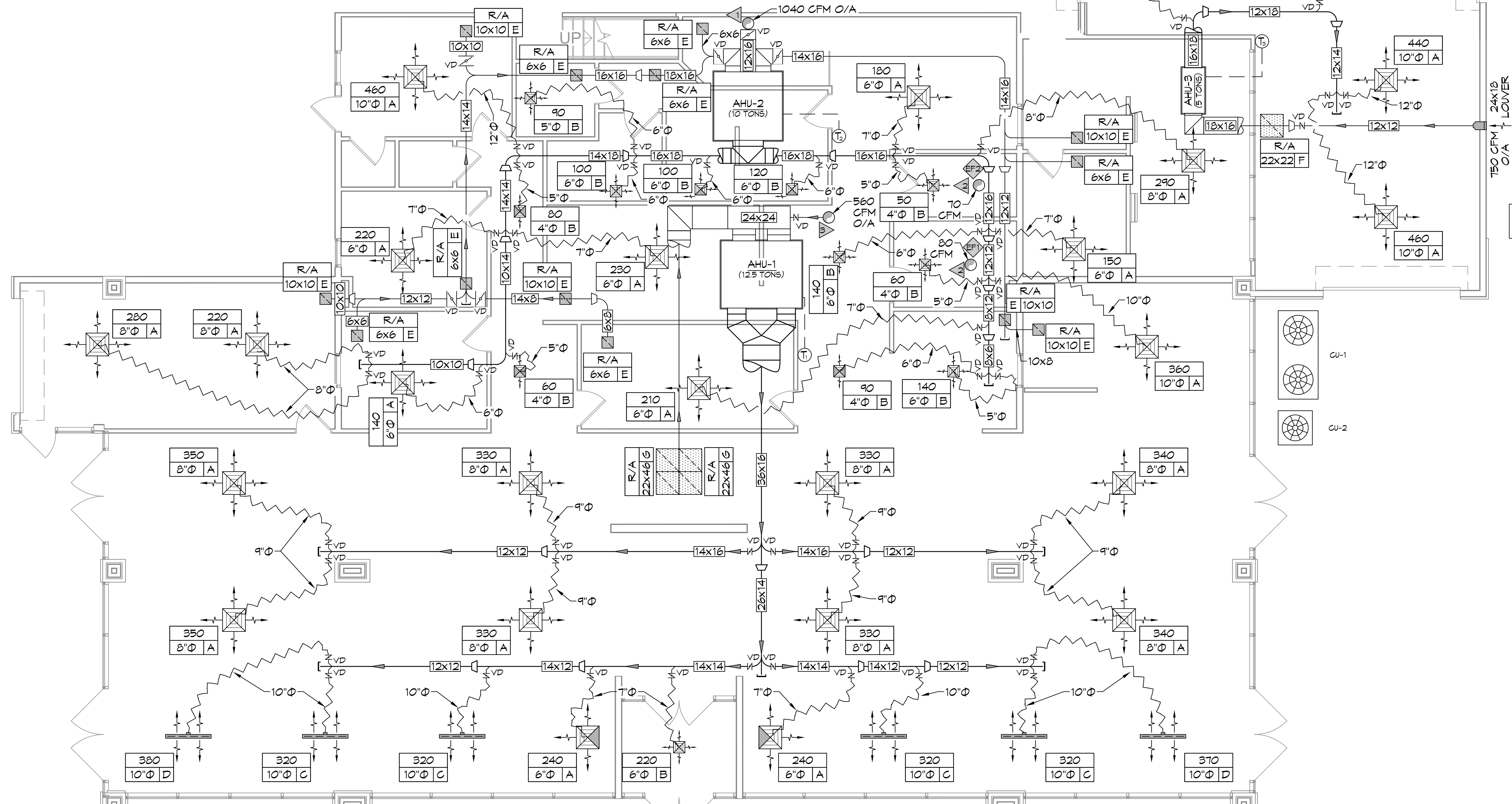
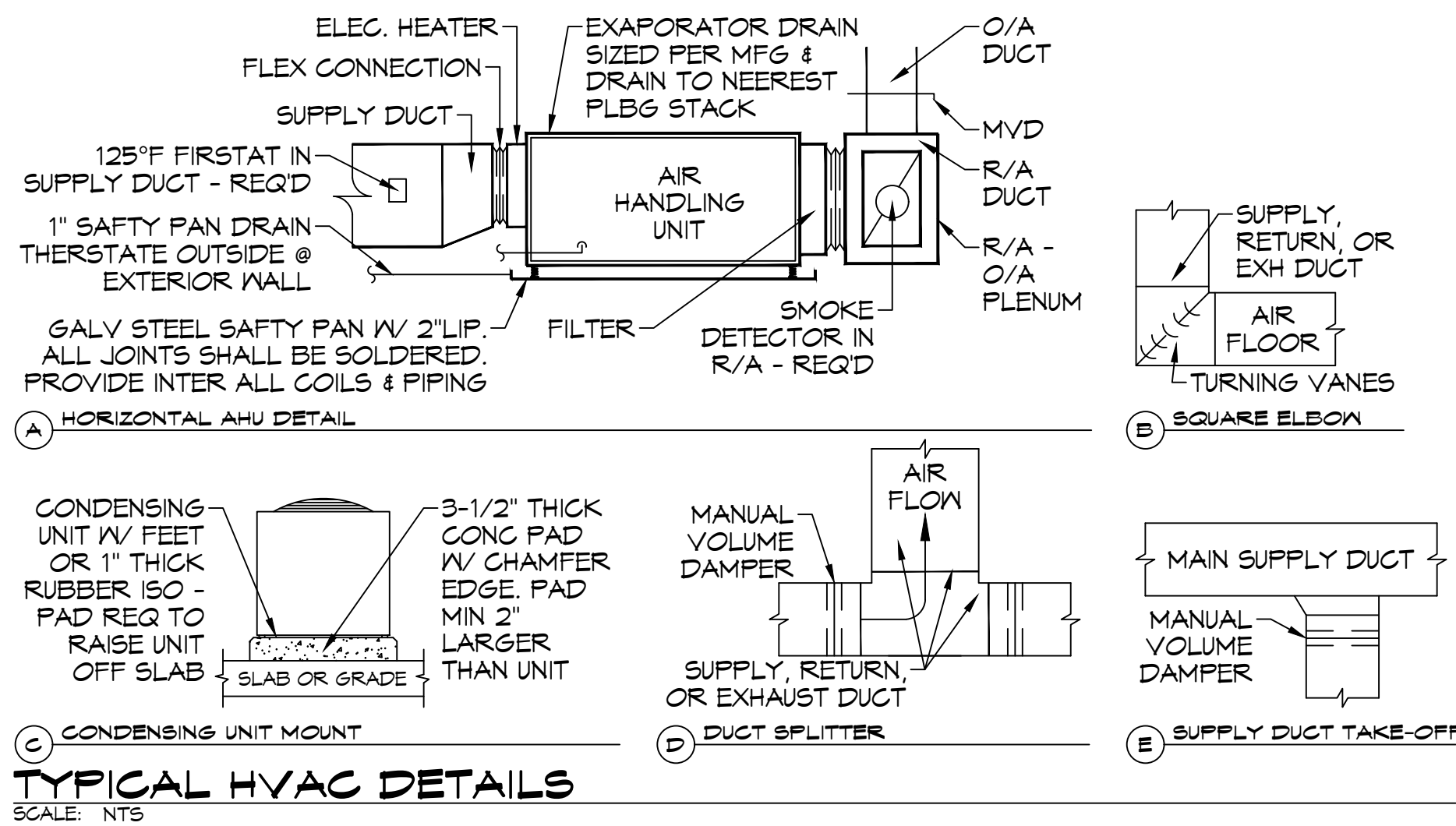
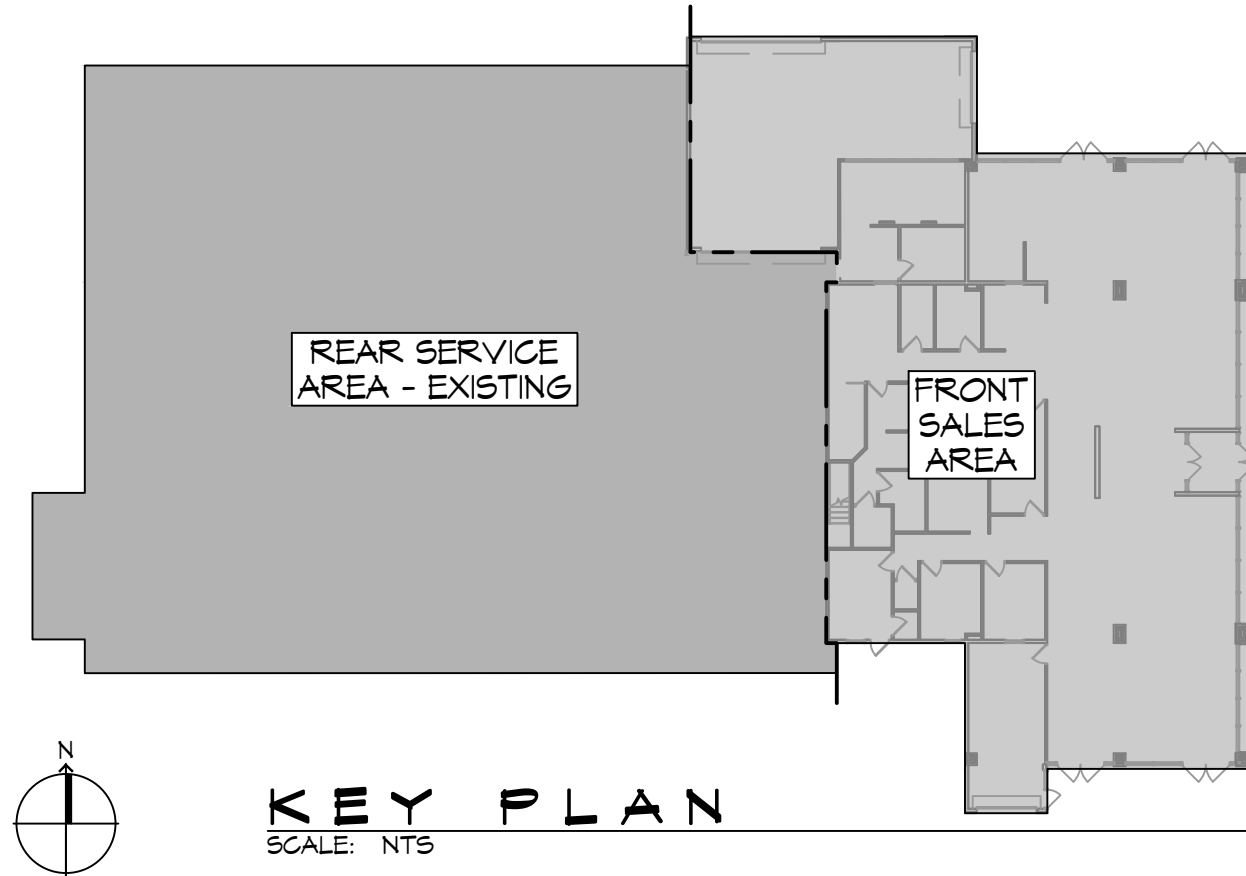
Exhaust Fan Schedule

Tag	Fan	Power	Make / Model	Remarks				
	Airflow (CFM)	TSP ("wc)	Amps	Volts	Phase	Hz		
EF-1	80	0.2	0.4	120	1	60	Broan QTXE090	1, 2
EF-2	70	0.2	0.3	120	1	60	Broan QTXE080	1, 2

- Notes:**
- Install per Manufacturer's recommendations.
 - Furnish with backdraft damper.

KEYED NOTES

- 12" VTR w/ 135° GOOSE NECK
- 4" VTR w/ 135° GOOSE NECK
- 10" VTR w/ 135° GOOSE NECK

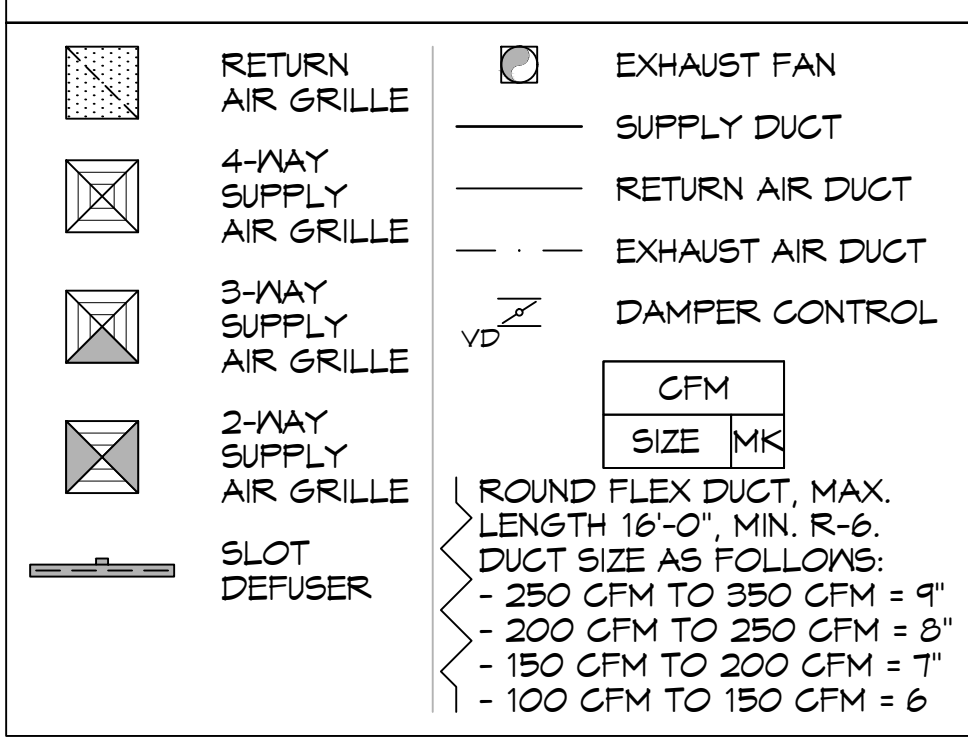


3 FRONT SALES AREA MECHANICAL PLAN
SCALE: 3/16" = 1'-0"

GENERAL MECHANICAL NOTES

- CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WARPED WITH FIBROUS GLASS DUCT WRAP WITH FSK VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION.
- EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
- ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
- DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
- PROVIDE UL LISTED 125°F FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
- PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
- CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
- ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
- ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
- EXHAUST FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
- PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
- ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
- LOCATE OUTDOOR UNITS AS SHOWN ON ARCHITECTURAL DRAWINGS.
- REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL OR ROOF DUCT SUPPLIED WITH A CONTROL DAMPER.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E8-14).
- ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY, CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
- FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 16'-0".
- REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
- FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
- PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJ'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
- FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
- PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
- COORDINATE WALL MOUNTED THERMOSTAT LOCATIONS WITH ALL OWNER FURNISHED ITEMS EITHER WALL MOUNTED OR FLOOR MOUNTED AGAINST PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS.
- PROVIDE MIN 18 GA GALVANIZED SHEET METAL TO BLANK-OFF GABLE VENTS WHERE INTAKE/EXHAUST DUCTS OCCUR.

MECHANICAL LEGEND



DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
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PH: 985-649-5832

#	DESCRIPTION	DATE

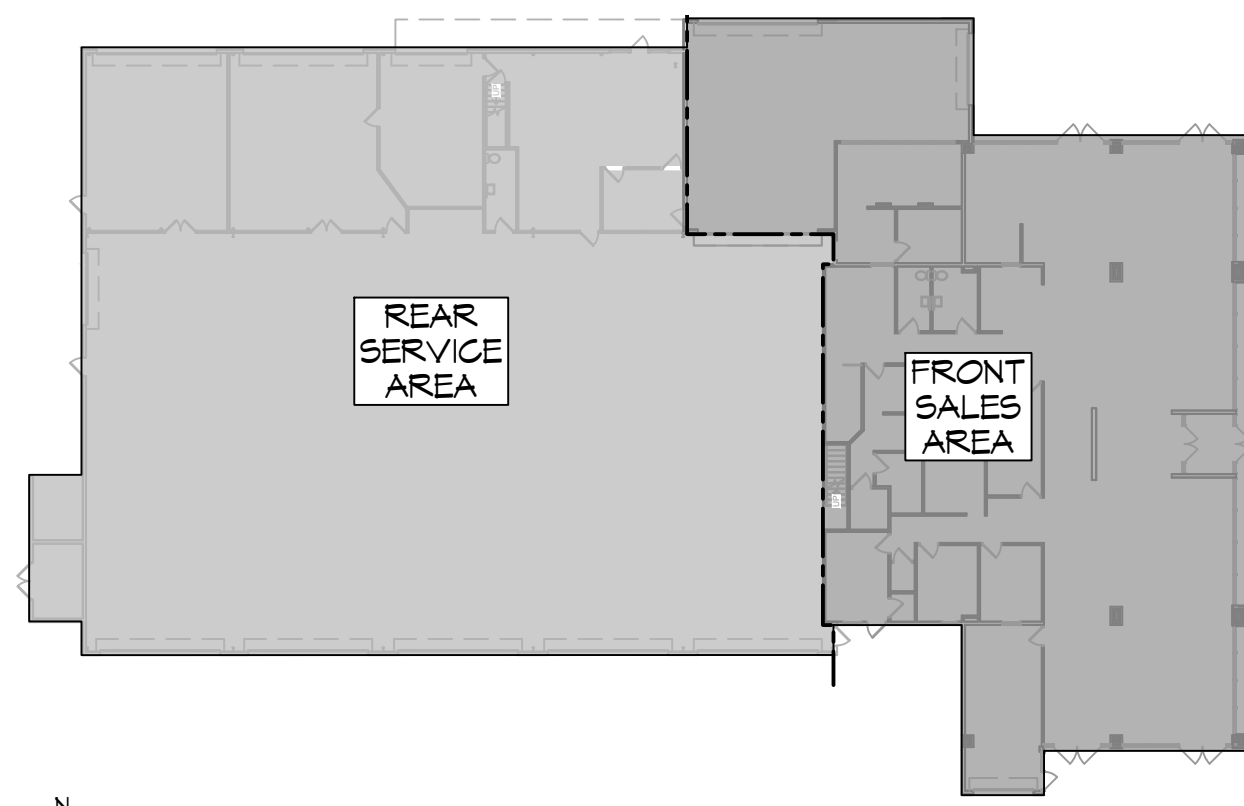
SEAL: **BRIAN A. MISTICH**
LICENSED PROFESSIONAL ENGINEER
11-7-2022
20371
STATE OF MISSISSIPPI

2022 M-15
LAUREL 39440
JOB No: 11-7-2022
DATE: 11-7-2022
DRAWN BY: BAK
CHECKED BY: CKD

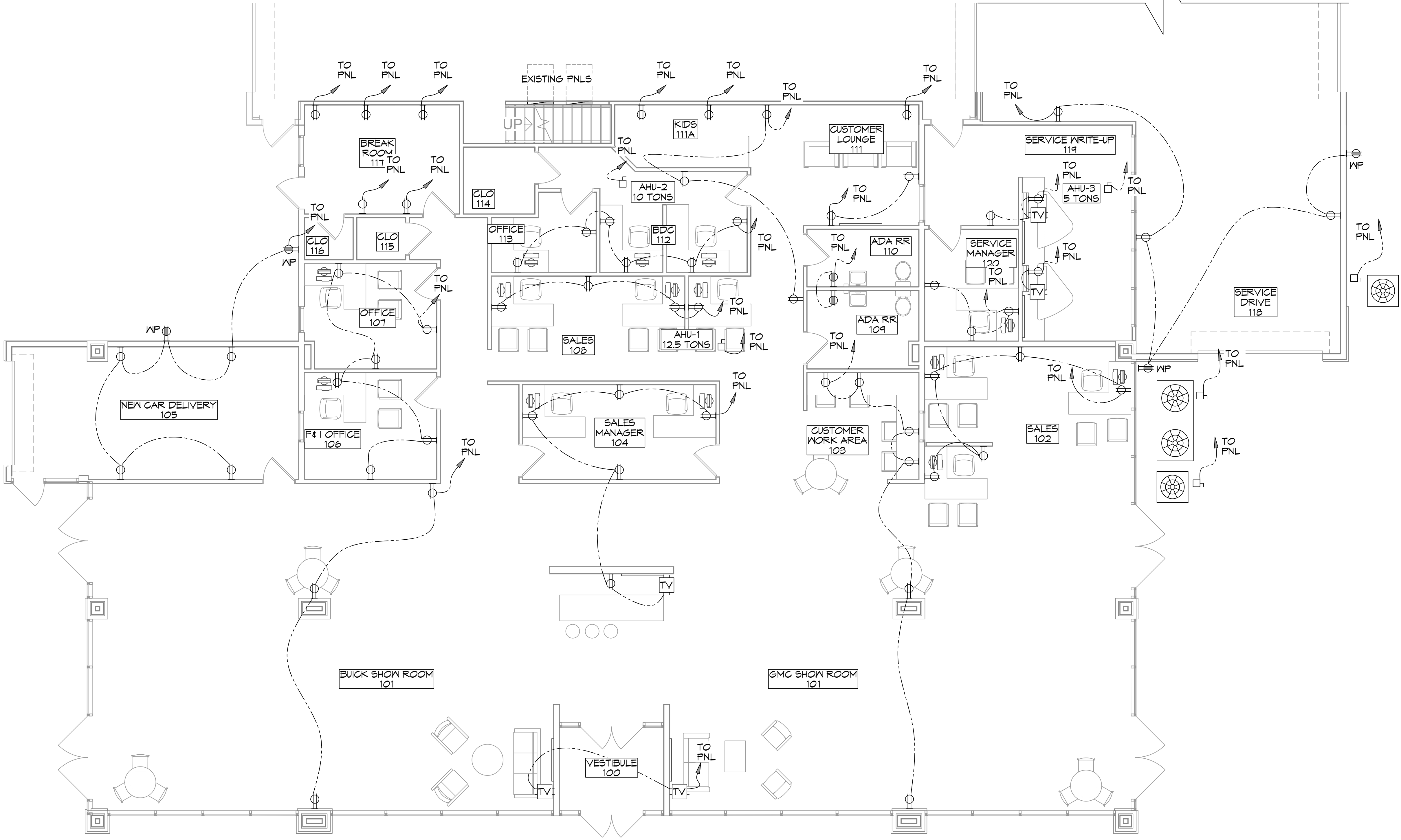
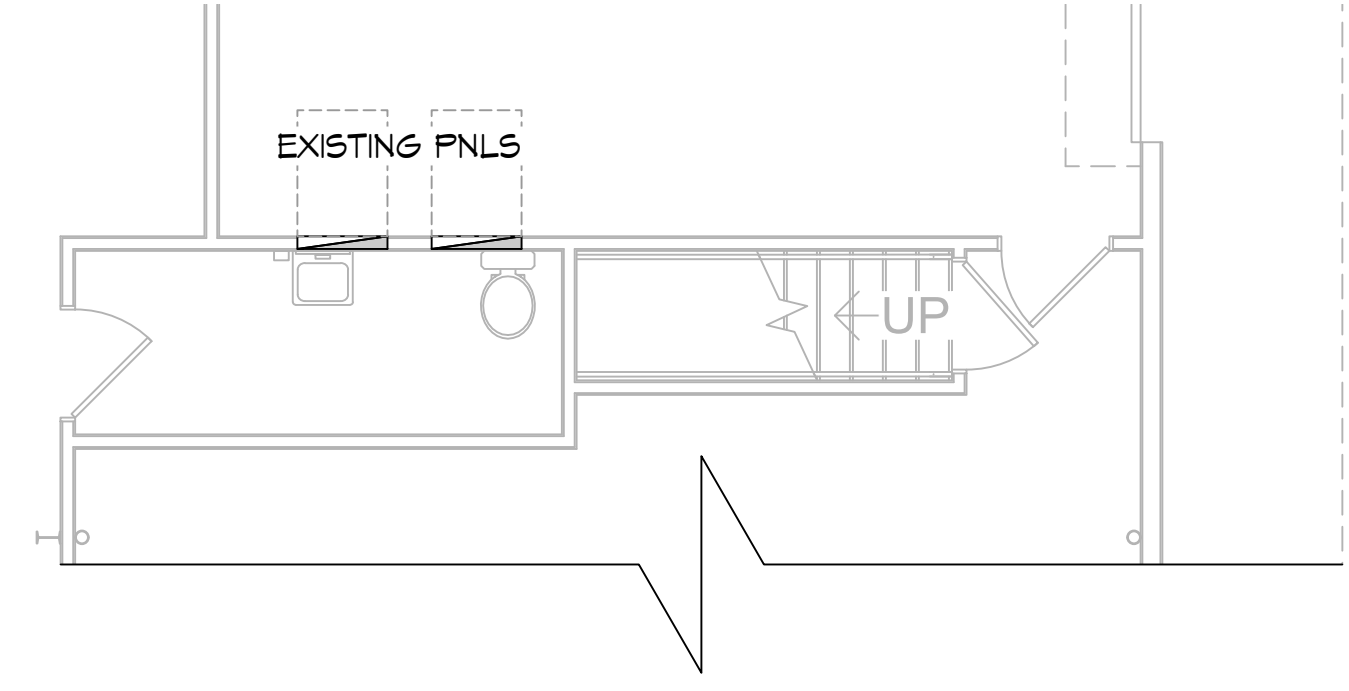
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MECHANICAL PLAN -
SHOW ROOM AREA

DRAWING NUMBER:
M101

SHEET No: 2 of 6



SITE KEY PLAN
SCALE: NTS



GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, 3/4" SCHEDULE 80 PVC FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC FOR EXTERIOR USE BELOW GRADE, BURIED A MINIMUM OF 18" FOR NON-VEHICULAR TRAFFIC AREAS AND 36" IN VEHICULAR TRAFFIC AREAS. EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES USE NMC IN WOOD CONSTRUCTION. 6' LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
11. CONTRACTOR SHALL INSTALL WIRING, CIRCUIT BREAKERS AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
12. ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150' SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN THE KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPA 250-23, 250-11 & 250-12.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-230.
16. FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED 12' CANDLE AS MEASURED AT THE ADJUTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURERS RECOMMENDATIONS.
21. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL PROVIDE AN EFFECTIVE GROUND-FAULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM OR A MEDICAL GRADE MC CABLE (NEC ART. 517.13(A & B)).

POWER LEGEND

- ⊙ JUNCTION BOX
- ⊕ STANDARD 120V DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
- ⊕ GFCI DUPLEX RECEPTACLE
- ⊕ WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
- ⊕ RECEPTACLE 220V, 30A
- TV TV OUTLET T A.F.F.
- ⊕ STANDARD 120V FLOOR DUPLEX RECEPTACLE
- WH ELECTRIC WATER HEATER IN ATTIC
- ⊕ FUSED DISCONNECT, FUSE PER MANUFACTURERS RECOMMENDATIONS.
- HOME RUN

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

DAMMON ENGINEERING, INC.
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PH: 985.649.5832

Field Engineer: Brian Mistich, PE
5650 Co. Rd. 101, Suite 101
Slidell, LA 70488

#	DESCRIPTION	DATE

SEAL: **BRIAN A. MISTICH**
LICENSED PROFESSIONAL ENGINEER
11-7-2022
20971
STATE OF MISSISSIPPI

G M C O F L A U R E L

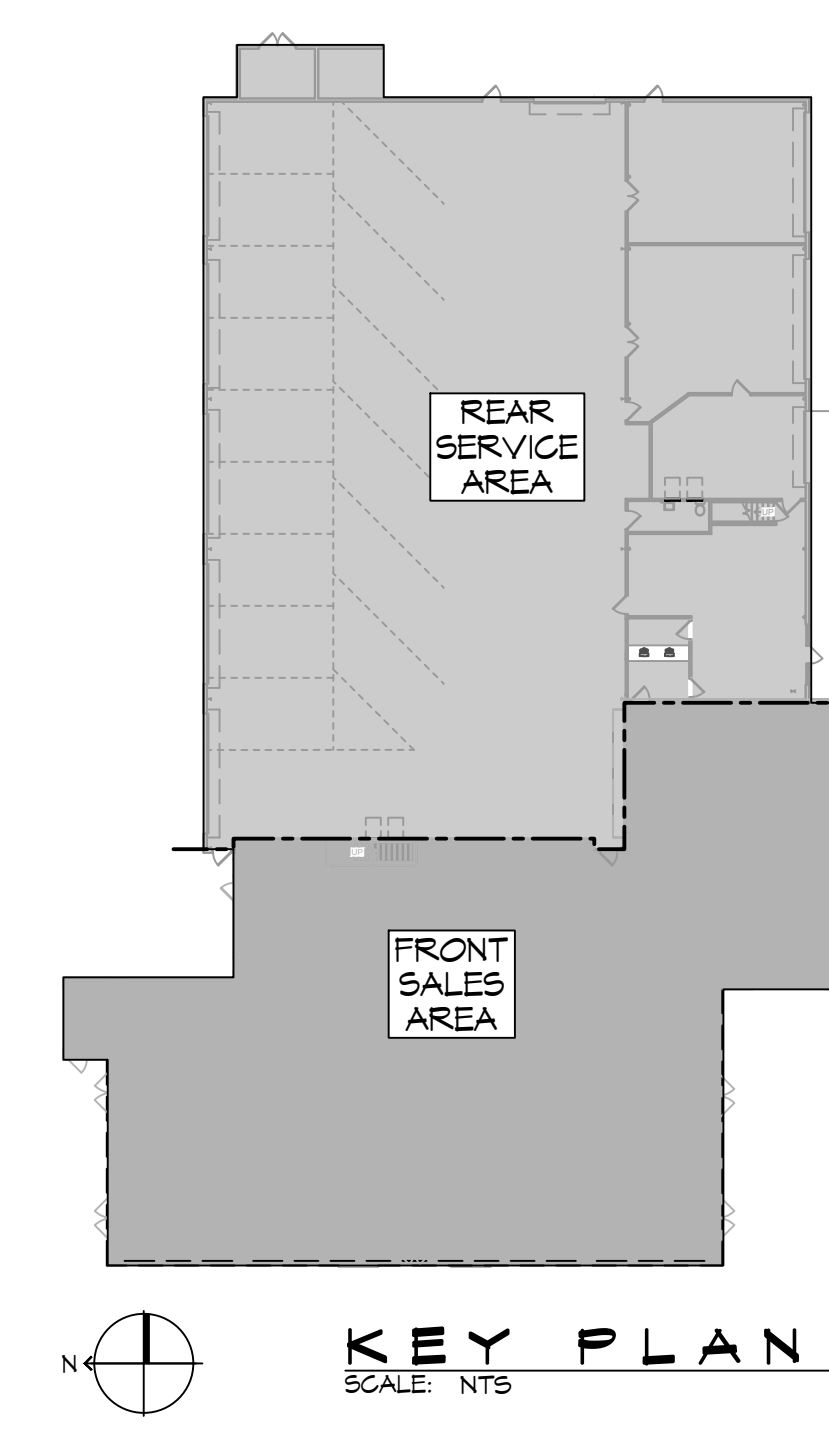
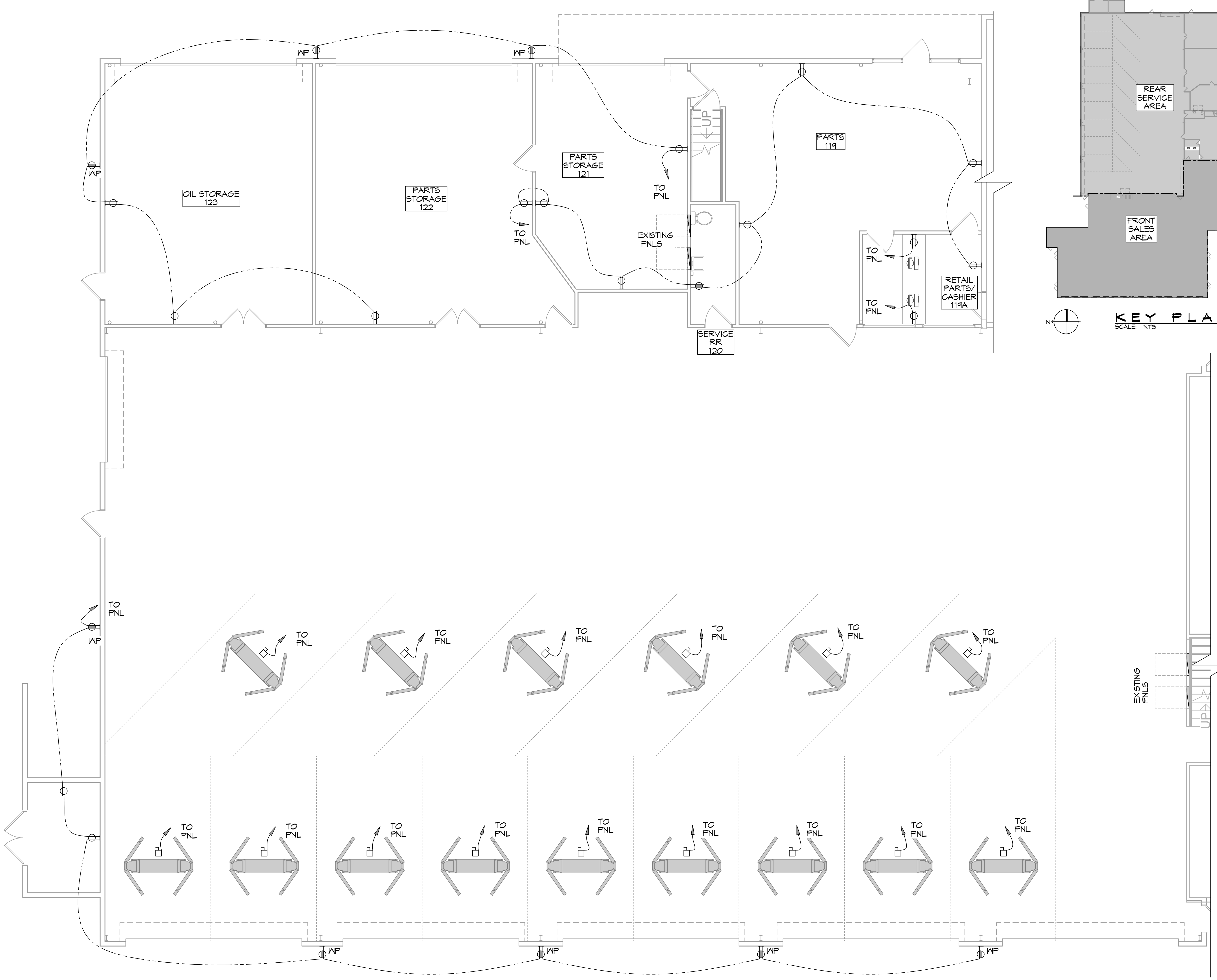
2020 MS-15
LAUREL MS 34440
JOB No: 11-7-2022
DATE: 11-7-2022
DRAWN BY: BAW
CHECKED BY: C&D

SHEET TITLE:
POWER PLAN

DRAWING NUMBER:
E101

SHEET No: 3 of 6

2022 05-15
 LAUREL MS 39440
 JOB No: 11-2022
 DRAWN BY: BAY
 CHECKED BY: C&C
 DATE: 11-2022
 2020 MS-15
 LAUREL MS 39440
 JOB No: 11-2022
 DRAWN BY: BAY
 CHECKED BY: C&C
 DATE: 11-2022



GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OF APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED CEILING, HUNG CEILING, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, 3/4" SCHEDULE 80 PVC FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC FOR EXTERIOR USE BELOW GRADE. BURIED WITH A MINIMUM OF 18" FOR NON-VEHICULAR TRAFFIC AREAS AND 36" IN VEHICULAR TRAFFIC AREAS. EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. USE NMC IN WOOD CONSTRUCTION. 6' LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVERS(S).
11. CONTRACTOR SHALL INSTALL WIRING, CIRCUIT BREAKERS AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
12. ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150' SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN THE KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPA 250-23, 250-11 & 250-12.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED 12" CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
21. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL PROVIDE AN EFFECTIVE GROUND-Fault CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM OR A MEDICAL GRADE MC CABLE (NEC ART. 517.19(A & B)).

POWER LEGEND

- JUNCTION BOX
- STANDARD 120V DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
- GFCI DUPLEX RECEPTACLE
- WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
- RECEPTACLE 220V, 30A
- TV OUTLET 7" A.F.F.
- STANDARD 120V FLOOR DUPLEX RECEPTACLE
- ELECTRIC WATER HEATER IN ATTIC
- FUSED DISCONNECT, FUSE PER MANUFACTURERS RECOMMENDATIONS.
- HOME RUN

POWER PLAN - SERVICE AREA
SCALE: 3/16"=1'-0"

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#	DESCRIPTION	DATE

SEAL:

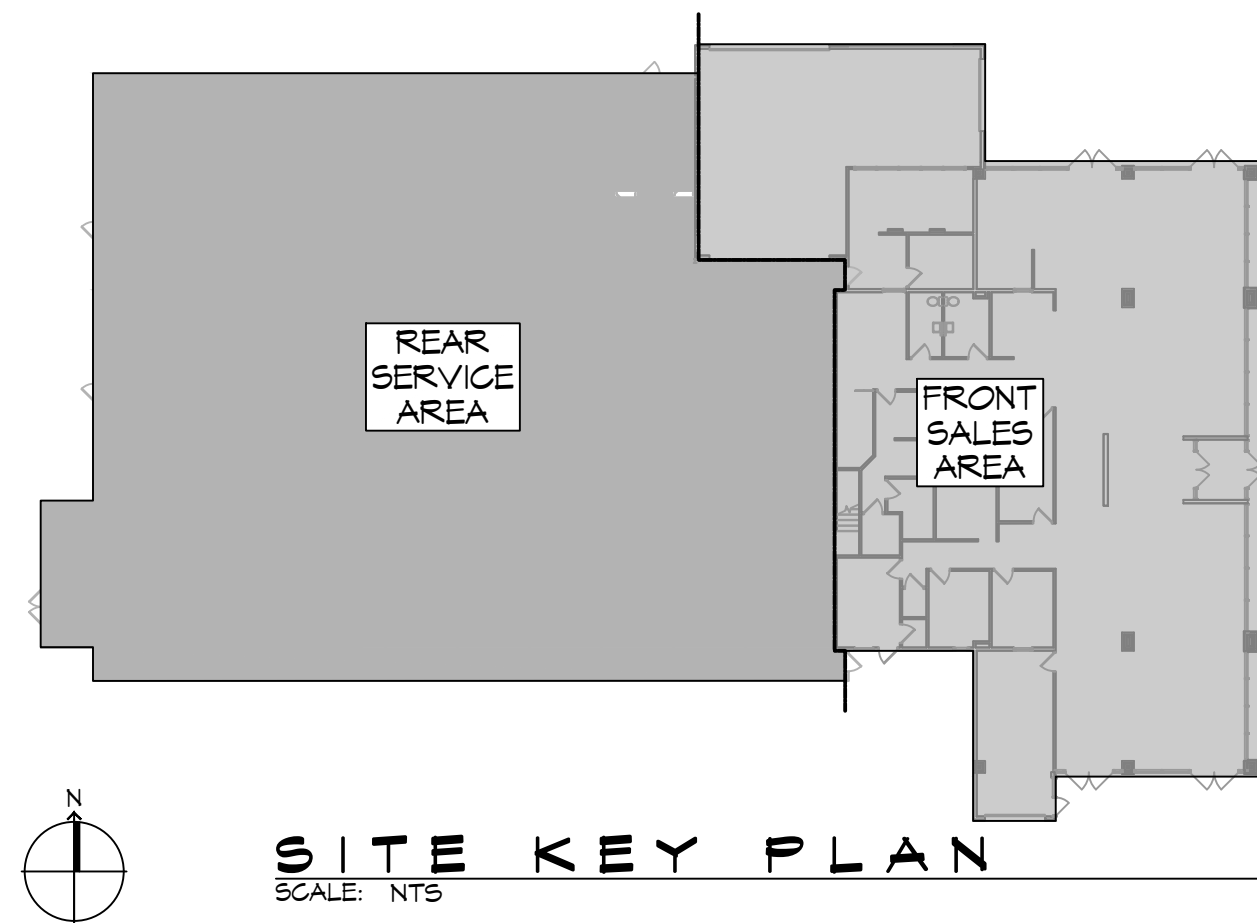
S M C O F L A U R E L
 2020 MS-15
 LAUREL MS 39440
 JOB No: 11-2022
 DRAWN BY: BAY
 CHECKED BY: C&C
 DATE: 11-2022

SHEET TITLE:
POWER PLAN - SERVICE AREA

DRAWING NUMBER:

E102

E:\WORK\A1-Commercial\06 - Laurel\0603 - Electrical Lighting Plan - Front Sales Area.dwg, PLOT DATE: 8/16/22, PLOT TIME: 8:58:10 AM, Monday, November 7, 2022, 10:10:13



KEYED NOTES

▲ PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP.

SITE LIGHTING

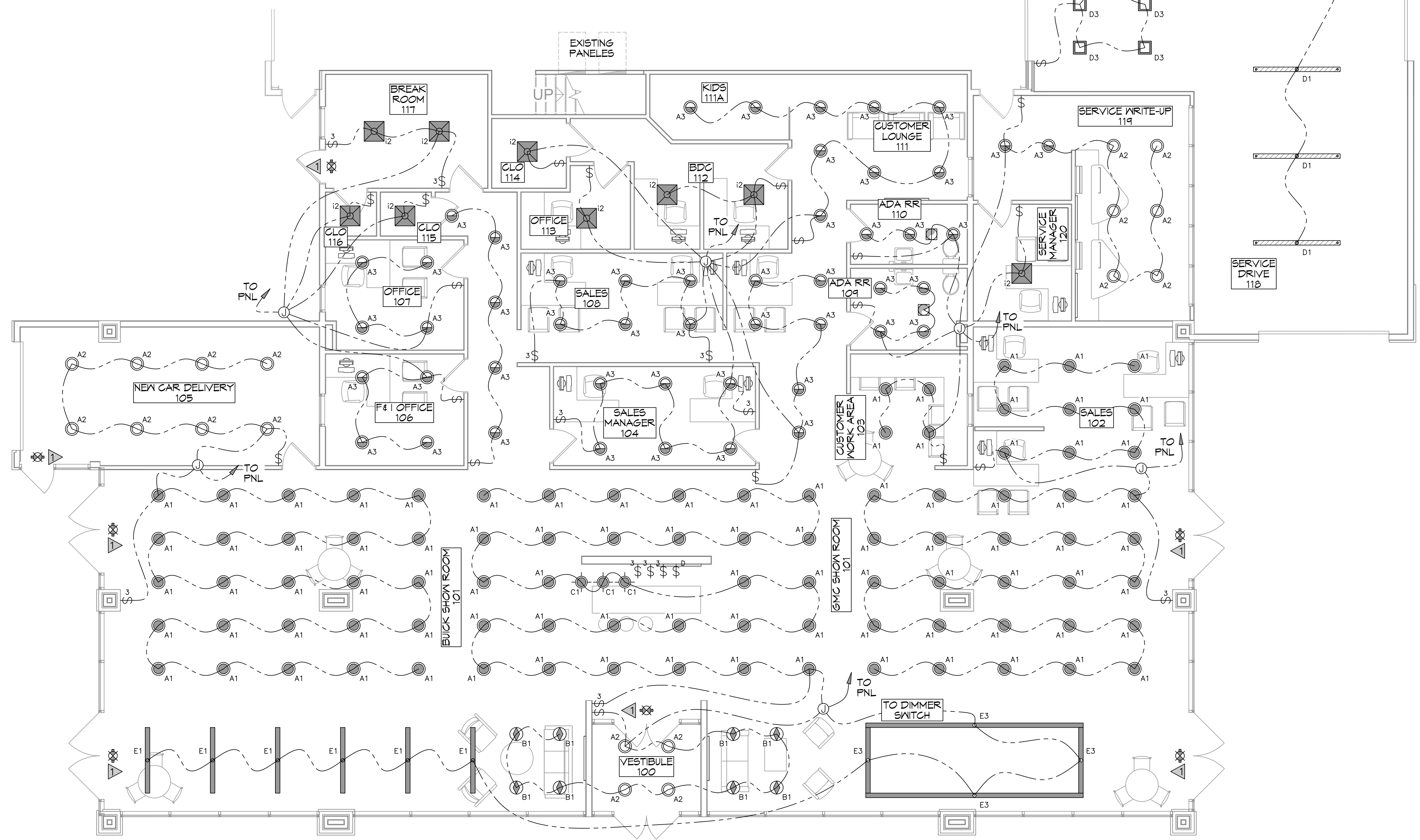
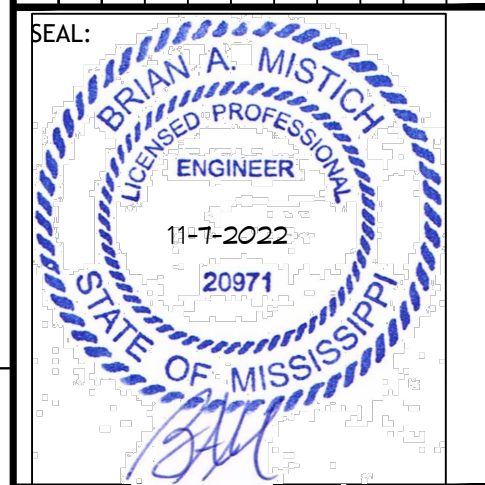
EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED 1' CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.

GENERAL LIGHTING NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, & LOCAL CODES, RULES, REGULATIONS, & REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
- GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN LIGHTING & ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT & ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION & MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT & ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS & THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE & LOCATION OF DEVICES AND / OR FIXTURES.
- WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS & HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
- ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG UNLESS NOTED OTHERWISE.
- ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG & 277V RUNS LONGER THAN 150' SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
- ALL CONDUCTORS SHALL BE COPPER.
- WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
- MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
- WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY & THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
- EACH DIMMER SWITCH SHALL HAVE A WATTAGE RATING 25% HIGHER THAN THE TOTAL WATTAGE OF ALL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 500, 1000, 1500, & 2000 WATTS. LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT & LOW VOLTAGE DIMMERS SHALL BE LUTRON NOVA T-STAR.
- ALL EMERGENCY EXIT LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON & SHALL BURN CONTINUOUSLY.
- ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS & CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.136.

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#	DESCRIPTION	DATE



LIGHTING PLAN - SALES AREA
 SCALE: 3/16" = 1'-0"

LIGHTING FIXTURE LEGEND

- A1 - 8"Ø RECESSED LED ALCON 14086-6 LUMINO
- A2 - 8"Ø RECESSED LED ALCON 14086-6 LUMINO
- A3 - 8"Ø RECESSED LED ALCON 14086-6 LUMINO
- B1 - 8"Ø RECESSED LED ALCON 14079
- B2 - 8"Ø RECESSED LED ALCON 14079
- C1 - 12"Ø LED PENDANT LITPAD 22000287
- D1 - 8' LED LINEAR INDIRECT DOWNLIGHT ALCON 12100-44-C6 CURVE GLOW
- D3 - 8"Ø RECESSED LED ALCON 14086-6 LUMINO
- D4 - 16"Ø LED PENDANT ALCON 15225 CIRCA
- E1 - 6' LED LINEAR DIRECT/ INDIRECT DOWNLIGHT ALCON 12100-40
- E3 - 6' x 20' LED LINEAR DIRECT/ INDIRECT DOWNLIGHT ALCON 12100-40
- I1 - 2x2 LED TROFFER ALCON 14150
- I2 - 4' LED LIGHTSTRIP ALCON 11103
- ⊗ EM - CEILING MOUNT EXIT LIGHT
- ⊘ EXHAUST VENT - SEE MECHANICAL

S M C O F L A U R E L
 2020 MS-15
 LAUREL MS 38440
 JOB No: 11-7-2022
 DRAWN BY: CKD
 CHECKED BY: BAK

SHEET TITLE:
 LIGHTING PLAN - SALES AREA

DRAWING NUMBER:
E103

