

ADDENDUM

ADDENDUM NO.: #02

DATE: 02/08/2024

PROJECT: Woodhouse Ford Pro: Building Improvements

PROJECT #: 23043

TO: Prospective Bidders

This Addendum is issued by the Architect to all bidders of record prior to receipt of proposals. Bidders shall acknowledge receipt of this addendum by so indicating on the Proposal Form. Failure to do so may subject Bidder to disqualification. All information and instructions given herein shall become a part of the Contract Documents.

DRAWINGS (ALL REVISED DRAWINGS ATTACHED)

1. **A1.1A - FIRST FLOOR PLAN - AREA A & B**

- a. 2 - FIRST FLOOR PLAN - AREA B
 - i. Added tire changing station with 8" cmu walls
 - ii. Revised other tire changing station
 - iii. Revised large pit dimensions and added pit depth elevation
 - iv. Added missing pit elevations on small pit and added depth elevation.

2. **A7.1 - DOOR AND WINDOW FRAME TYPES/DETAILS**

- a. DOOR SCHEDULE
 - i. Revised door #15 (added in addendum 1) to aluminum door and frame.
- b. Specs:
 - i. 084213 Aluminum Framed Entrances:
 1. Added hardware set #9.
 - ii. Hardware Schedule
 1. Revised set #9.

3. **A9.1 - FINISH FLOOR SCHEDULE & FIRST FLOOR FINISH PLAN - AREA A**

- a. Revised Alternate Notes as clouded.
- b. 2 - FIRST FLOOR FINISH PLAN - AREA B
 - i. Added additional notes to paint existing doors.
 - ii. Paint CMU half-walls as clouded.

4. **A9.2 - FINISH FLOOR SCHEDULE & FIRST FLOOR FINISH PLAN - AREA C**

- a. INTERIOR FINISHES SCHEDULE
 - i. CPT-2 , Carpet Tile Rug, comments:
 1. Added Shaw quote and note non-skid backing
- b. 1-FIRST FLOOR FINISH PLAN - AREA C
 - i. Added notes to paint existing doors (near matchline).

5. S2.2 – STRUCTURAL PLANS AREA B

a. FOUNDATION – AREA B

- i. Update CMU wall length and add additional CMU wall. See attached revised drawing.
- ii. Update pit dimension and add note. See attached revised drawing.

SEE ATTACHED MORRISSEY ENGINEERING ADDENDUM NARRATIVE AND DRAWINGS.

END OF ADDENDUM

addendum

addendum no. 02

date: 2/8/2024

bid date: n/a

project name: Woodhouse Ford Pro

project no: 23416

This addendum is hereby made a part of the contract documents to the same extent as if it were originally included therein. Contract documents shall be considered modified or revised as hereinafter described.

mechanical items

1. Sheet M1.1 – FLOOR PLAN – HVAC – AREA A
 - a. Revised notes for thermostats and vav dampers.
 - b. Add VFD for RTU-1(E) fan.
 - c. Removed bypass damper.
2. Sheet M1.2 – FLOOR PLAN – HVAC – AREA B
 - a. Revised notes for thermostats.
3. Sheet M1.3 – FLOOR PLAN – HVAC – AREA C
 - a. Revised notes for thermostats.
4. Sheet M1.4 – ROOF PLAN – MECHANICAL – AREA A
 - a. Add notes to RTU to provide new controller and VFD for supply fan.
5. Sheet M2.2 – UNDERGROUND PLAN – PLUMBING – AREA B
 - a. Add floor drain.
 - b. Extend floor cleanout location.
 - c. Add additional floor cleanout.
6. Sheet M2.7 – FLOOR PLAN – PLUMBING – WASTE AND VENT RISER
 - a. Revise oil waste connections.
7. Sheet M4.1 – MECHANICAL SCHEDULES
 - a. Remove zone damper schedule.
 - b. Add VFD-RTU-1
8. Mechanical Specifications:
 - a. Section 235523 Gas-Fired Radiant Heaters
 - i. Add Advanced Radiant Systems as an allowable manufacturer.
 - b. Section 230960 Variable Frequency Drives
 - i. Add Schneider to allowed manufacturers.

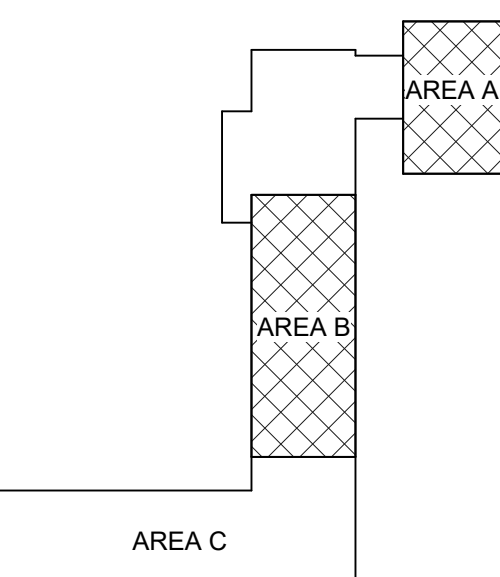
electrical items

1. Sheet ED1.3 – FLOOR PLAN – DEMOLITION – AREA C
 - a. Revise demo equipment.
2. Sheet E1.1 – FLOOR PLAN – LIGHTING – AREA A
 - a. Add keynote.
3. Sheet E1.2 – FLOOR PLAN – LIGHTING – AREA B
 - a. Add HVLS fans and switches.
 - b. Revise keynotes.

4. Sheet E1.3 – FLOOR PLAN – LIGHTING – AREA C
 - a. Add lighting to electrical and compressor rooms.
 - b. Revise fire alarm connections.
 - c. Add keynote.
5. Sheet E2.1 – FLOOR PLAN – POWER – AREA A
 - a. Add connection to VFD.
6. Sheet E2.2 – FLOOR PLAN – POWER – AREA B
 - a. Revise power connections at tire changing area.
 - b. Add 220V receptacles.
7. Sheet E4.0 – ELECTRICAL SCHEDULES AND DIAGRAMS
 - a. Update mechanical connection schedule.
8. Sheet E4.1 – ELECTRICAL PANEL SCHEDULES
 - a. Revise panel schedules.

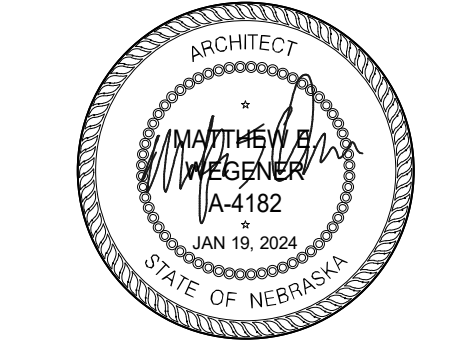
end of addendum

REVISIONS SCHEDULE		
MARK	DATE	DESCRIPTION
1	02/01/2024	ADDENDUM 1
2	02/07/2024	ADDENDUM 2



**WOODHOUSE FORD
 PRO: BUILDING
 IMPROVEMENTS**

PROJECT: 23043 DATE: DEC 19, 2023
 PROJECT STATUS: CD SUBMITTAL



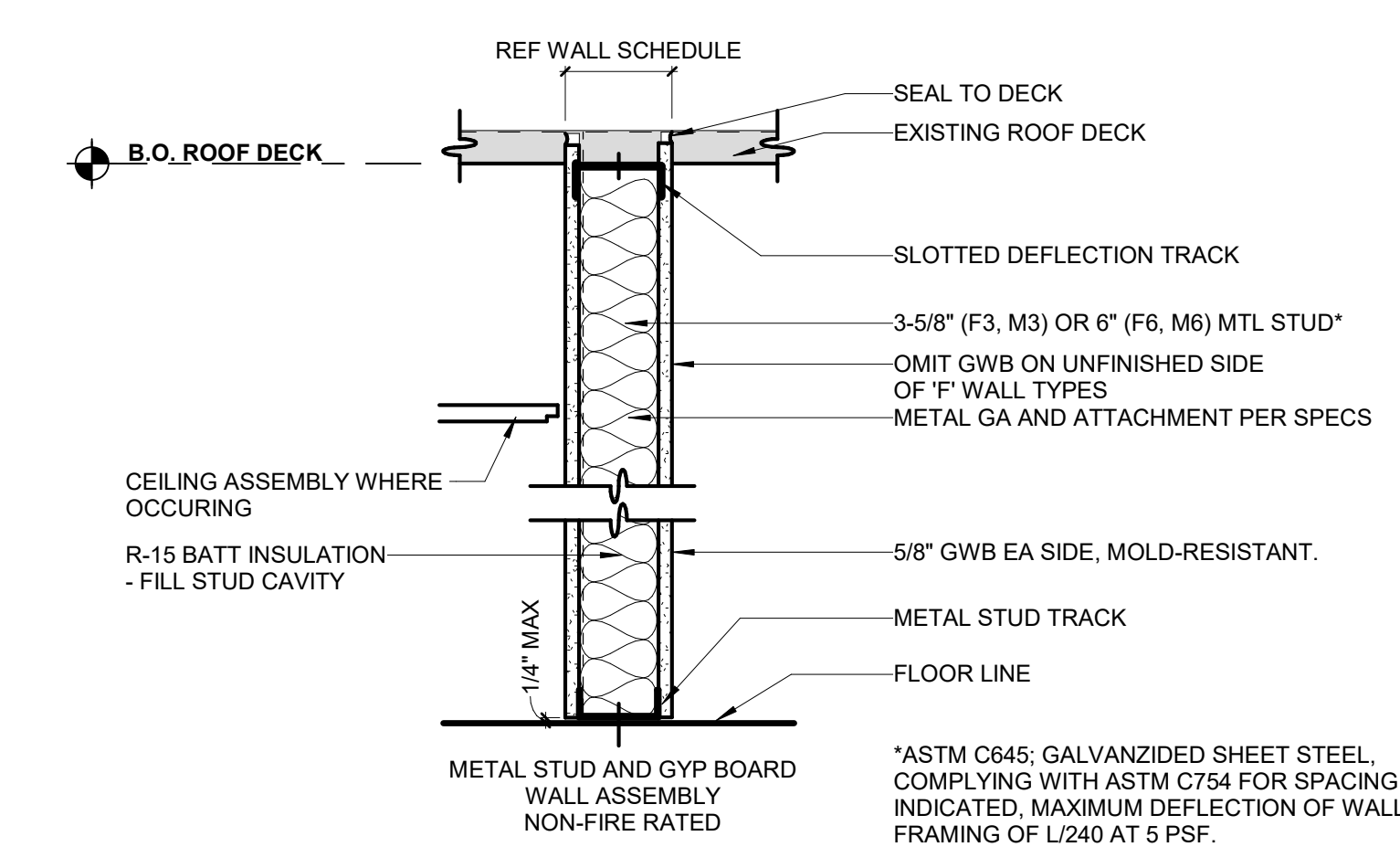
**FIRST FLOOR PLAN -
 AREA A & B**

FLOOR PLAN GENERAL NOTES

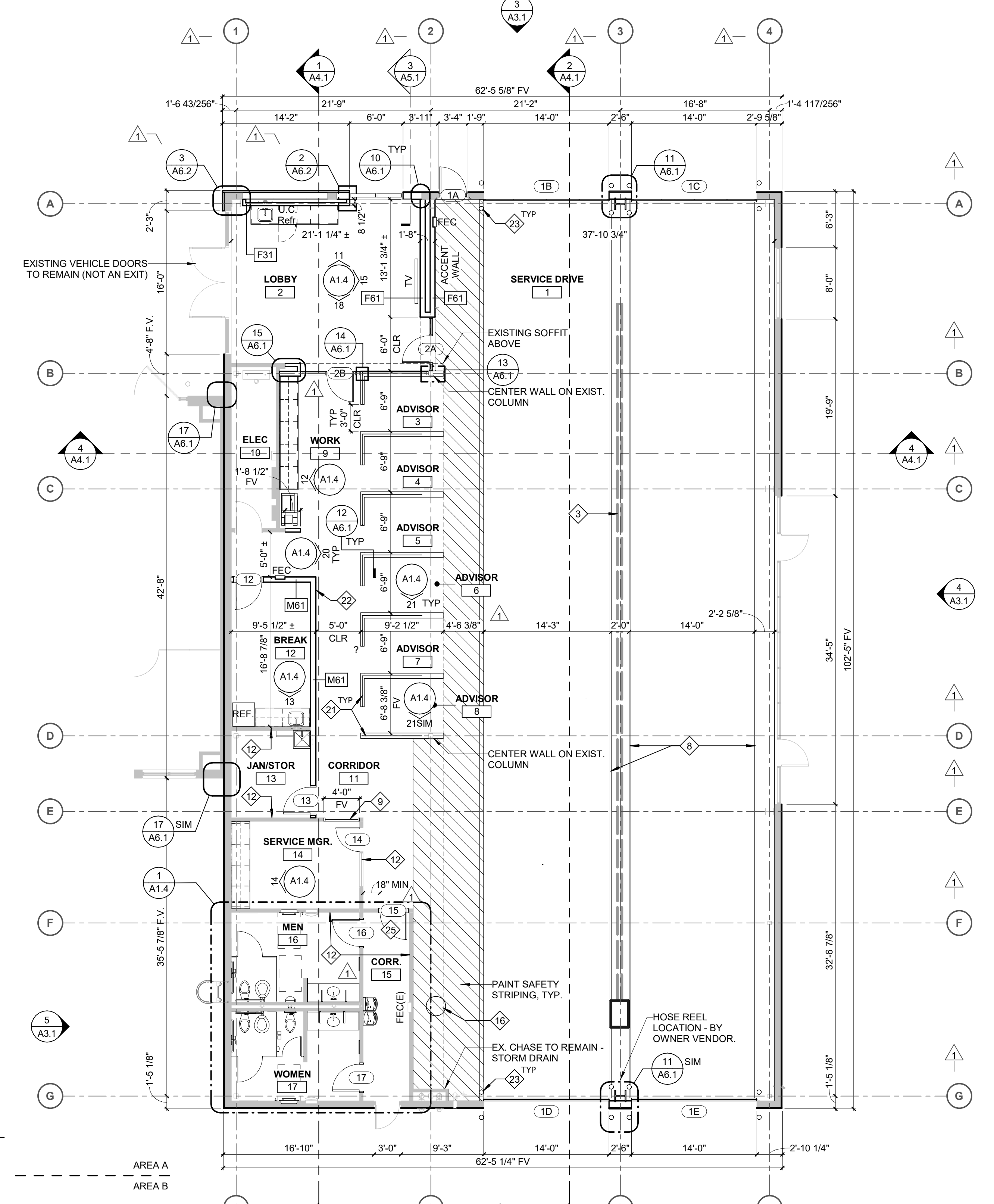
- ALL DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED.
- FIELD VERIFY ALL DIMENSIONS.
- SHOP EQUIPMENT, VEHICLE EXHAUST, AND COMPRESSED AIR DISTRIBUTION BY OWNER, COORDINATE WITH OWNER'S EQUIPMENT VENDOR.
- PROVIDE 15 MIL VAPOR BARRIER UNDER NEW SLABS, STEGO WRAP OR SIMILAR MEETING ASTM E 1745 CLASS A. SEE STRUCTURAL FOR SLAB THICKNESS. PATCH EXISTING VB WHERE EXISTING SLABS ARE CUT, OR TIE INTO NEW.
- SLOPE SLAB TO DRAINS @ 1/8" / FT.
- DO NOT LOCATE SAW CUT FLOOR JOINTS UNDER VEHICLE LIFT BASE PLATES PER MFR.
- PROVIDE VAPOR RETARDANT PAINT PRIMER AS INDICATED ON FINISH PLAN (14A6.1).
- SEE CIVIL FOR EXTERIOR BOLLARDS.
- FIRE EXTINGUISHERS: DRY CHEMICAL TYPE, 10 POUNDS. REFER TO STRUCTURAL FOR ALL STOOP LOCATIONS.
- FE=BRACKET MOUNTED FIRE EXTINGUISHER. FEC=SEMI-RECESSED FIRE EXTINGUISHER CABINET. (E) DENOTES EXISTING.

FLOOR PLAN NOTES

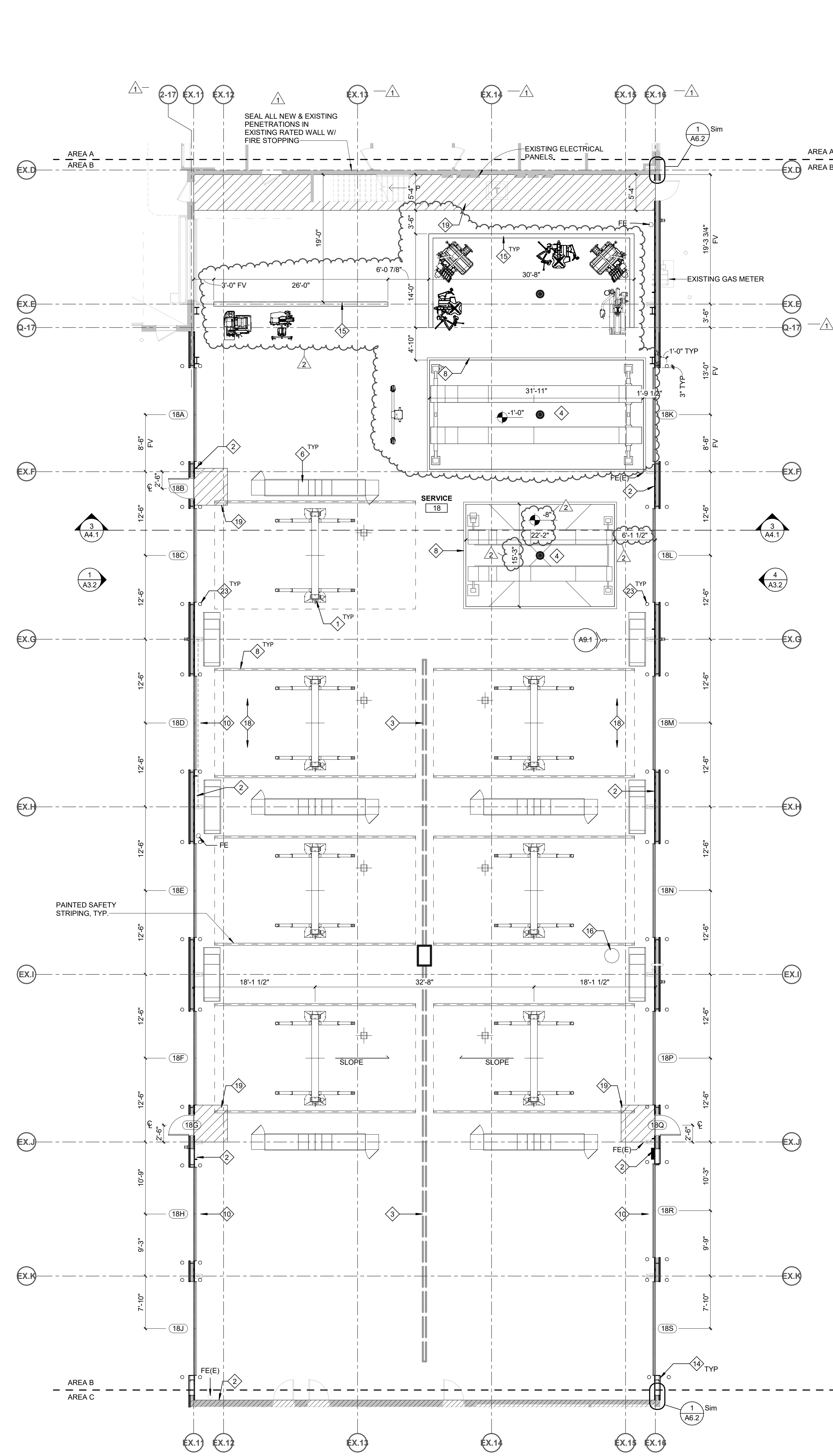
- HD TWIN-POST LIFT BY OWNER.
- NEMA 1450 OUTLET FOR CONNECTION OF LEVEL 2 ELECTRIC VEHICLE CHARGER. SEE ELECT.
- TRENCH DRAIN, SEE MECH. SLOPE SLAB TO DRAIN, 1/8" / FT.
- ALIGNMENT RACK PIT. SLOPE TO DRAIN 1/8" / FT.
- PAINT GWB CEILING 1-1. TYP.
- WORK BENCH BY OWNER.
- 4" YELLOW PAINTED STRIPE. SEE FINISH PLAN.
- NEW ALUMINUM STOREFRONT.
- SEE STRUCTURE FOR BRACING MODIFICATIONS.
- SEE STRUCTURE FOR NEW BRACING RECONSTRUCT WALL W/ 3-5/8" MTL STUD AND 5/8" GWB. PAINT TO MATCH EXISTING. PROVIDE NEW RUBBER BASE TO MATCH EXISTING, OR SALVAGE EXISTING.
- EXTEND EXISTING WALL TO STRUCTURE. 5/8" GWB EA SIDE.
- REPLACE LINER PANEL AND GWB ABOVE.
- REPLACE WALL ASSEMBLY AS REQ'D FOR NEW OPENING. SEE DETAIL 14A6.1.
- 8" CMU WALL, 5'-0" TALL. BULLNOSE CORNERS.
- OIL INTERCEPTOR BASIN, SEE MECH.
- NEMA 1450 OUTLET FOR CONNECTION OF LEVEL 2 ELECTRIC VEHICLE CHARGER. SEE ELECT.
- NEW METAL WALL LINER PANEL AND THERMAL INSULATION. SEE DETAIL 14A6.1.
- PAINTED CLEARANCE STRIPING, YELLOW.
- ADD (1) LAYER 5/8" GWB TO EXISTING STUDS, APPROX 8'-0" TO STRUCTURE.
- FRAMELESS GLASS ON HALF-HEIGHT WALL @ EA ADVISOR, SEE INT. ELEVATIONS.
- DOOR OPERATOR CONTROL STATION.
- 6" GALVANIZED STL BOLLARD W/ BASE PLATE. PAINT SAFETY YELLOW.
- EXTEND NEW WALL TO ROOF STRUCTURE.
- ENLARGE EXISTING OPENING AS REQUIRED FOR NEW DOOR AND FRAME.



3 TYPICAL WALL TYPE M## AND F##
 1 1/2" = 1'-0"



1 FIRST FLOOR PLAN - AREA A
 1/8" = 1'-0"



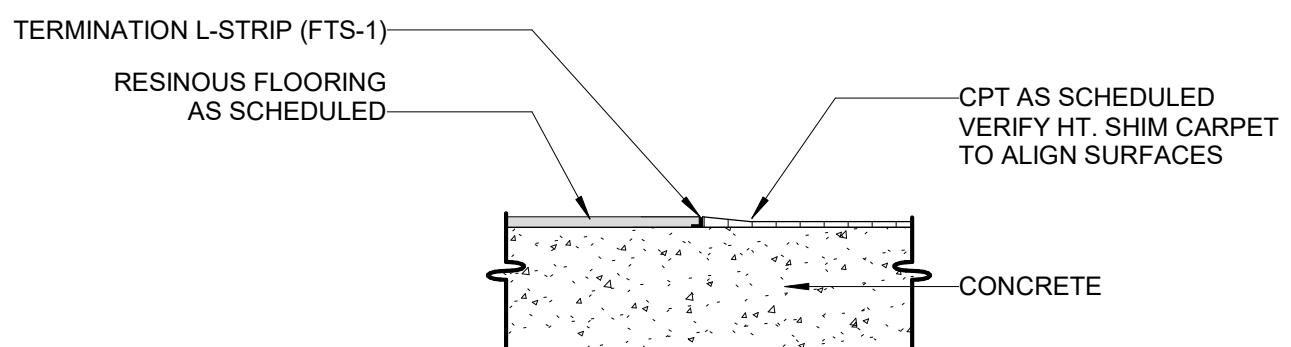
2 FIRST FLOOR PLAN - AREA B
 1/8" = 1'-0"

Vertical scale bars for different drawing sections:

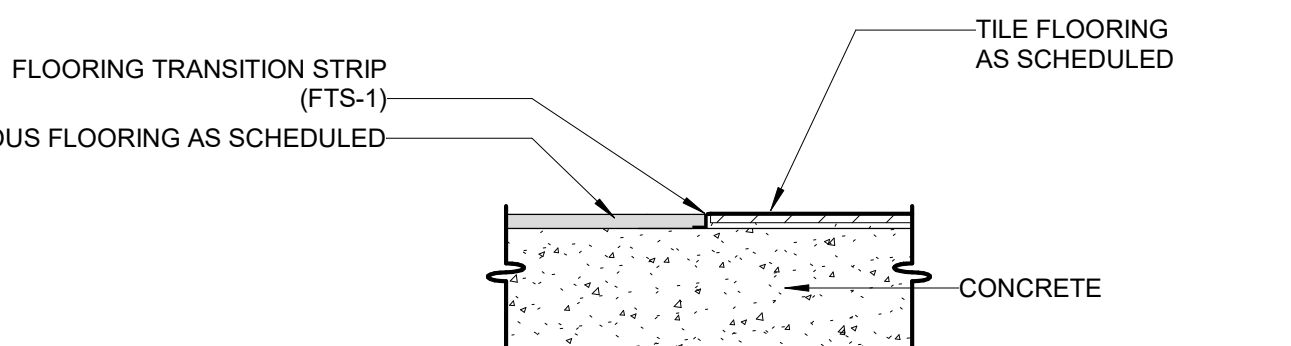
- 0 to 9 INCH SCALE 3" = 1'-0"
- 0 to 12 INCH SCALE 1-1/2" = 1'-0"
- 0 to 3 FEET SCALE 3/4" = 1'-0"
- 0 to 5 FEET SCALE 1/2" = 1'-0"
- 0 to 10 FEET SCALE 1/4" = 1'-0"
- 0 to 20 FEET SCALE 1/8" = 1'-0"
- 0 to 45 FEET SCALE 1/16" = 1'-0"
- 0 to 30 FEET SCALE 3/32" = 1'-0"

ALTERNATE NOTES:
 ALTERNATE 1: EPOXY FLOOR (RF-1) IN SERVICE RECEPTION AND WHERE INDICATED IN AREA A
 BASE BID: SEALED NEW AND EXISTING CONCRETE (SC-1)

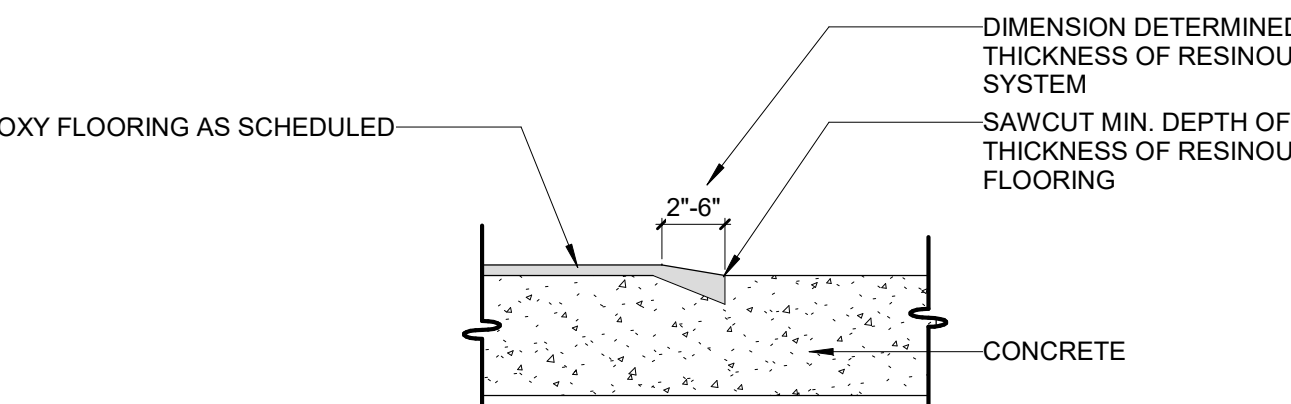
NOTE: RESINOUS FLOORING TO BE POURED FIRST, OTHER TRADES TO FINISH AT PROPER ELEVATION



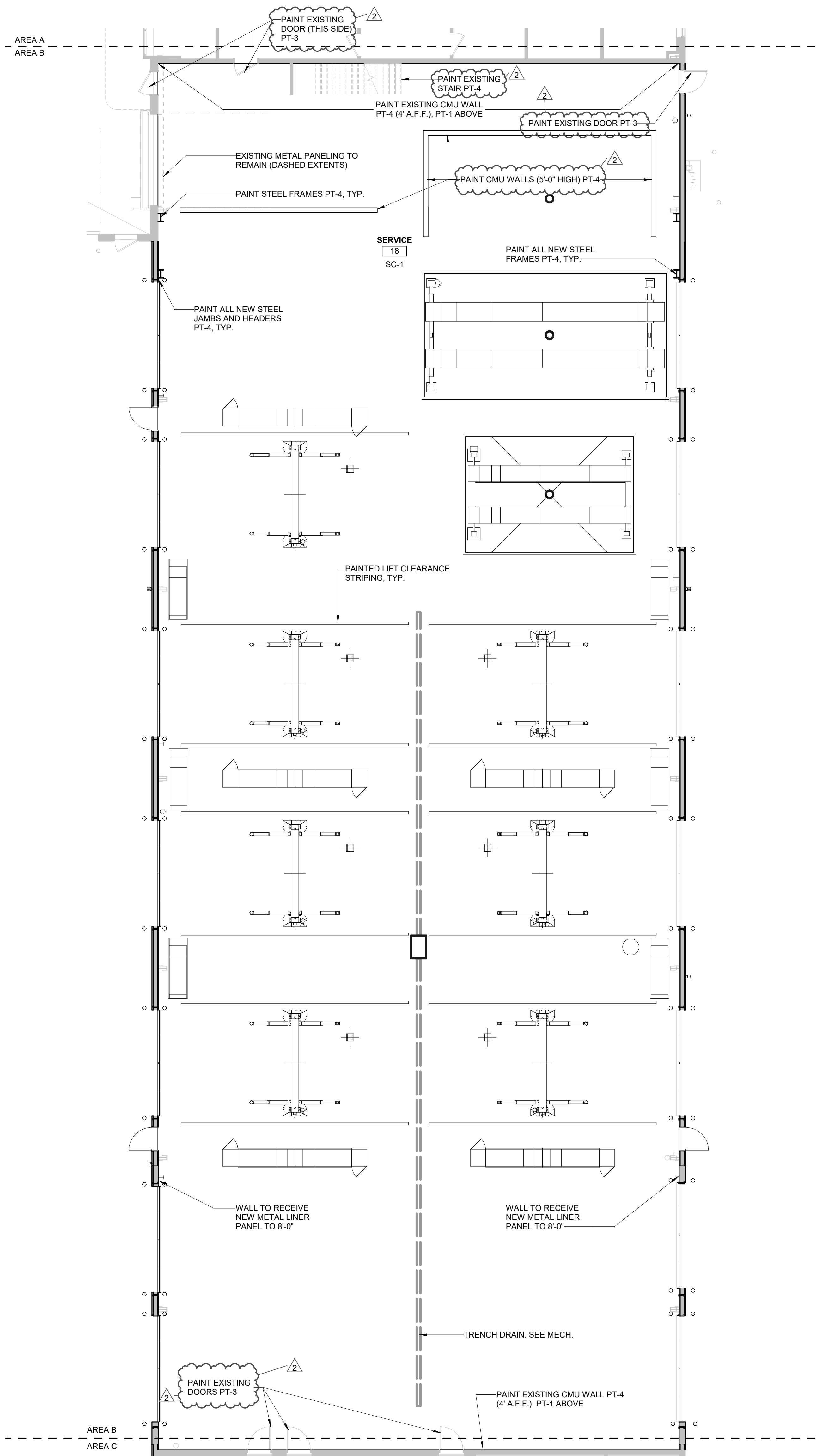
4 FLOOR TRANSITION - CPT TO EPOXY
 1 1/2" = 1'-0"



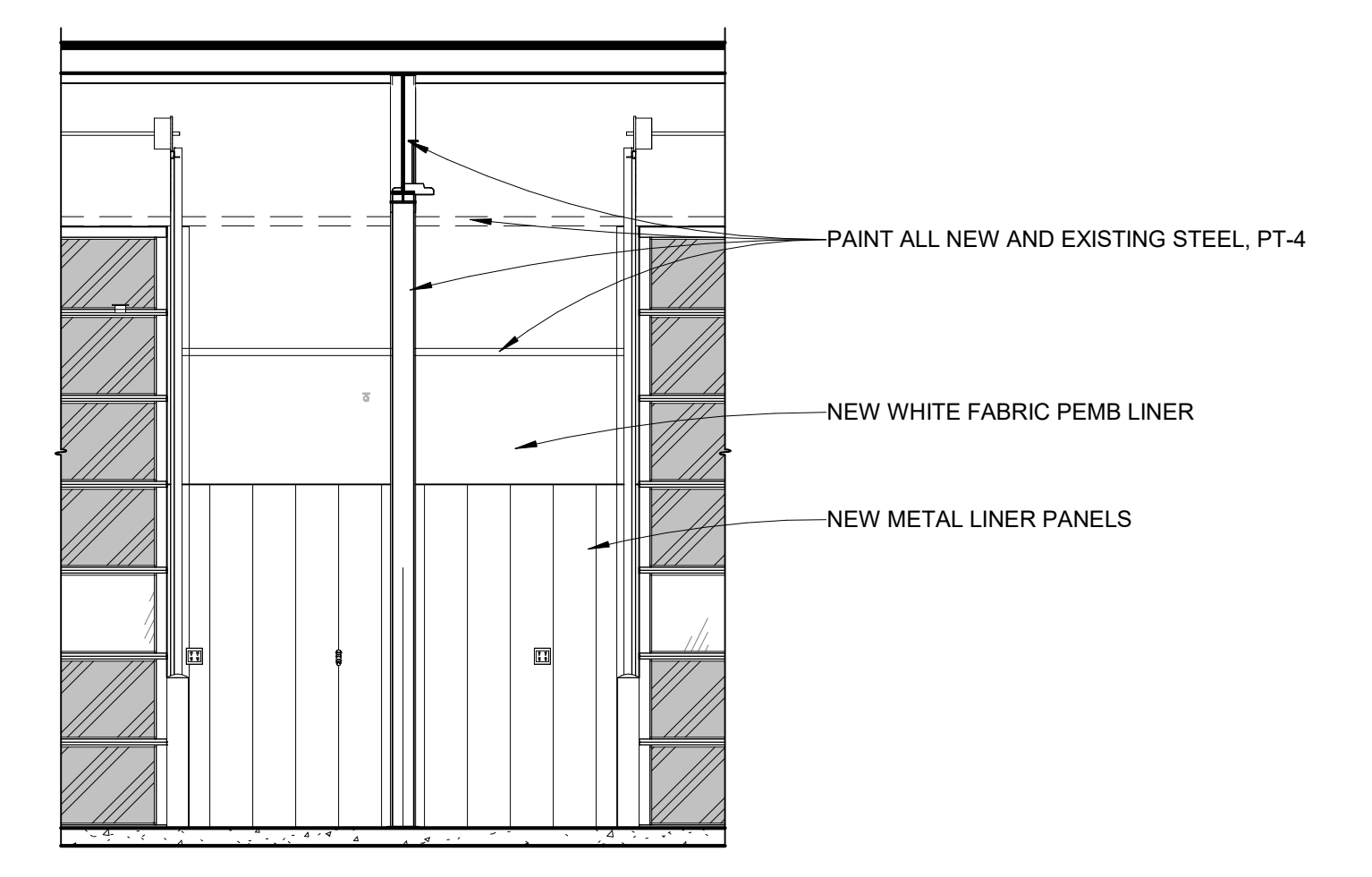
5 FLOOR TRANSITION - TILE TO EPOXY
 1 1/2" = 1'-0"



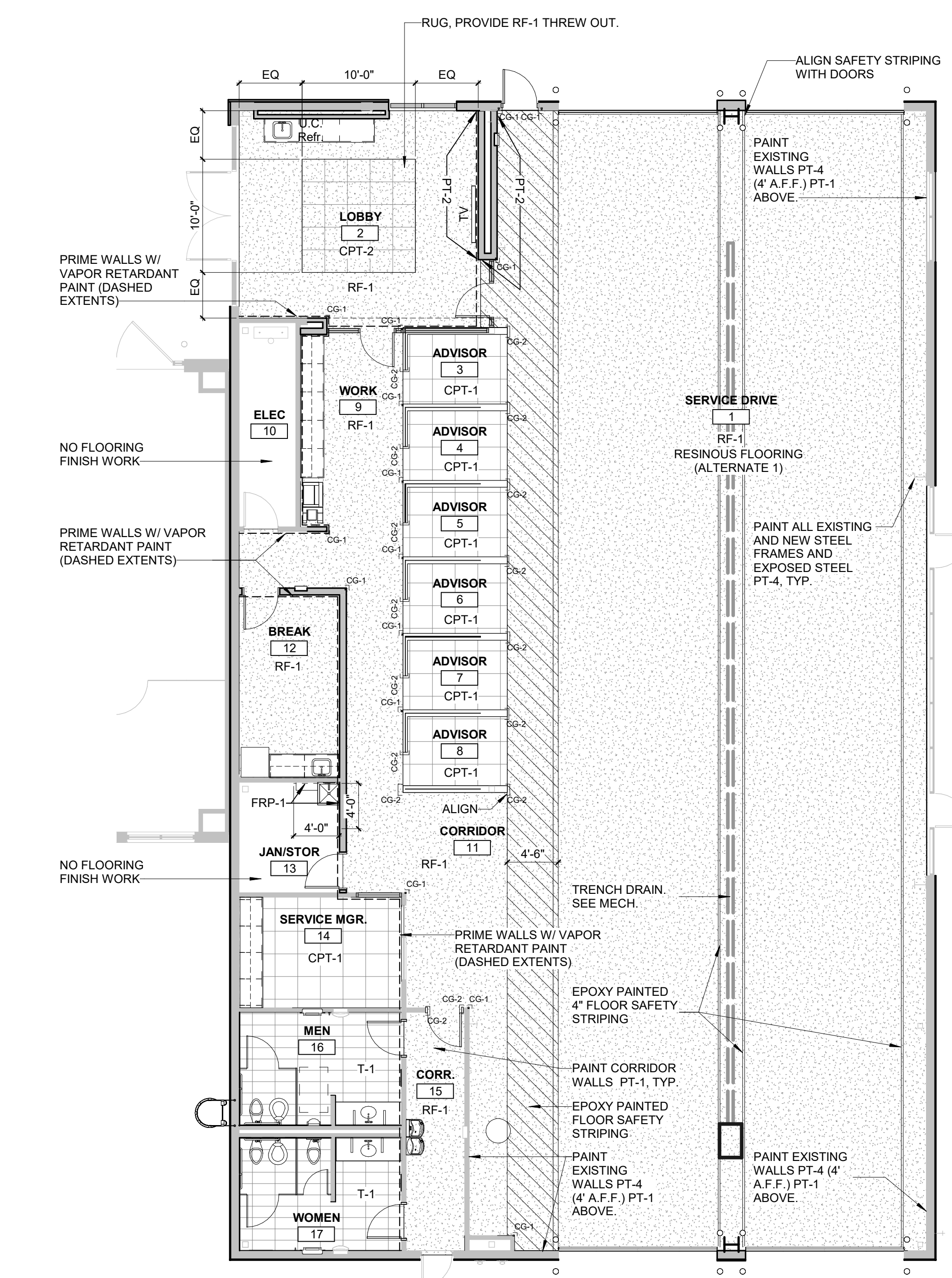
6 FLOOR TRANSITION - EPOXY TO CONCRETE
 1 1/2" = 1'-0"



2 FIRST FLOOR FINISH PLAN - AREA B
 1/8" = 1'-0"

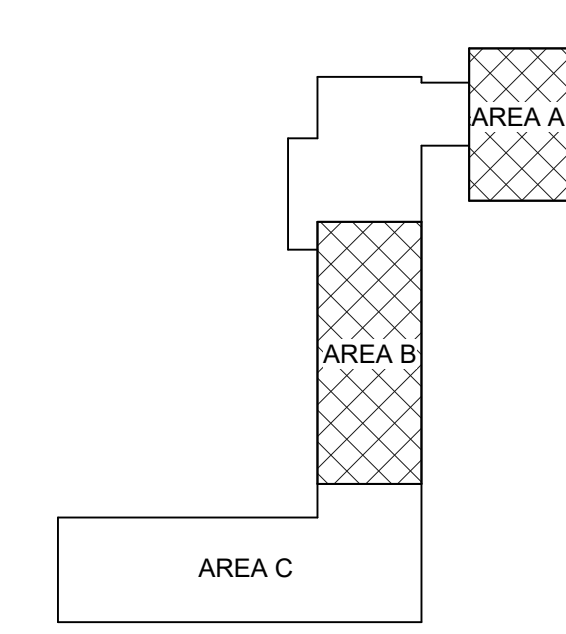


3 TYP SHOP ELEVATION
 1/4" = 1'-0"



1 FIRST FLOOR FINISH PLAN - AREA A
 1/8" = 1'-0"

REVISIONS SCHEDULE		
MARK	DATE	DESCRIPTION
2	02/07/2024	ADDENDUM 2



WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

PROJECT: 23043 DATE: DEC 19, 2023
 PROJECT STATUS: CD SUBMITTAL
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FIRST FLOOR FINISH PLAN - AREA A & B

INTERIOR FINISHES SCHEDULE

CODE	DESCRIPTION	MANUFACTURER	SERIES	COLOR	SIZE	FINISH	CONTACT INFO	COMMENTS
AC-1	ACOUSTICAL CEILING TILE	ARMSTRONG	PRELUDE XL	WHITE/ CALLA	24 x 24	PRELUDE XL 15/16" EXPOSED TEE SYSTEM IN WHITE	877-ARMSTRONG	SQUARE EDGE TILE
CB-1	ACOUSTICAL CEILING Baffles	ACOUFELT	CEILING Baffles	WINE BARREL	12" H x 1"		RONALD TRUAN ronald.truan@acoufelt.com	SEE RCP FOR LOCATION AND DETAILS
CG-1	WALL PROTECTION	INPRO	STAINLESS STEEL CORNER GUARD	ST/STL	2" x 2" x 4"	STAINLESS STEEL	CIARA BENSON 515-333-3707 cbenson@inprocorp.com	SEE FINISH PLAN FOR LOCATIONS. CUT TO HEIGHT ON KNEE WALLS
CG-2	WALL PROTECTION	INPRO	STAINLESS STEEL SURFACE MOUNT END WALL PROTECTOR	ST/STL	F.V. X 4"	STAINLESS STEEL	CIARA BENSON 515-333-3707 cbenson@inprocorp.com	SEE FINISH PLAN FOR LOCATIONS
CPT-1	CARPET TILE	SHAW CONTRACT	COLOR FRAME TILE 5T081	MYSTIC GREY 81515	24 x 24		NICHOLE PIKUR nichole.pikur@shawcontract.com	1/4 TURN INSTALLATION PATTERN
CPT-2	CARPET TILE RUG	SHAW CONTRACT	COLOR FRAME TILE 5T081	MYSTIC GREY 81515	24 x 24		NICHOLE PIKUR nichole.pikur@shawcontract.com	RUG WITH TAPERED RUBBER EDGE BINDING, NON SKID BACKING, 1/4 TURN INSTALLATION PATTERN. REFERENCE SHAW QUOTE 0024880
FRP-1	FIBERGLASS REINFORCED PANELS	MARLITE	PEBBLED FRP	P 470N DARK GRAY	4' X 8'	PEBBLED		
FTS-1	FLOOR TRANSITION STRIP	SCHLUTER	SCHIEENE	STAINLESS STEEL	VARIABLES	BRUSHED ST-STL (EBU)	WYATT DUNBAR wdunbar@schluter.com	PROVIDE LONGEST LENGTHS POSSIBLE W/O SPLICES USE ON T-1 TILE
GR-1	GROUT	MAPEI	KERAPOXY CQ	281 BARDIGLIO GREY			cdrees@mapei.com	
LAM-1	PLASTIC LAMINATE	WILSONART	WOODGRAINS	LANDMARK WOOD 7981K-12		SOFTGRAIN	LESLIE HUMPHRIES 800-433-3222 www.wilsonart.com	
PT-1	PAINT	SHERWIN WILLIAMS		PURE WHITE SW 7005		EG-SHELL	DAWN M CENOWA dawn.m.cenowa@sherwin.com 248-660-3067	GENERAL PAINT, UNLESS OTHERWISE NOTED
PT-2	PAINT	SHERWIN WILLIAMS		CUSTOM SW COLOR: FMC001 FORD BLUE 2022		EG-SHELL	DAWN M CENOWA dawn.m.cenowa@sherwin.com 248-660-3067	ACCENT PAINT AS NOTED
PT-3	PAINT	SHERWIN WILLIAMS		MINDFUL GREY SW 7016		EG-SHELL	DAWN M CENOWA dawn.m.cenowa@sherwin.com 248-660-3067	ACCENT PAINT AS NOTED
PT-4	PAINT	SHERWIN WILLIAMS		GAUNTLET GREY SW 7019		EG-SHELL	DAWN M CENOWA dawn.m.cenowa@sherwin.com 248-660-3067	ACCENT PAINT AS NOTED
RF-1	RESINOUS FLOORING	RESUFLOOR	DECO FLAKE BC - 1/4" FLAKE	STAR SEEKER		SEE SPECS	JAMES BERGEVIN james.j.bergevin@sherwin.com, 612-720-9934	ALTERNATE 1. SEE FINISH FLOOR PLAN
SC-1	CONCRETE SEALER	TK PRODUCTS	TK-GAS RESISTANT SEALER 2167	CLEAR		2 COATS MINIMUM AS RECOMMENDED BY MFR		SEE FINISH PLAN FOR LOCATIONS
SS-1	SOLID SURFACE POLYMER	CORIAN		DESIGNER WHITE			SABRINA KASSAB skassab@oldenkamp.com 586-980-2413	
T-1	CERAMIC TILE	VIRGINIA TILE	CAESAR TILES/CLASH SPIRIT	CAESP1224R MATT	12" x 24"	MATT	STEPHAN REINIG 800-514-8453	
WB-1	RUBBER BASE	JOHNWHITE	TRADITIONAL DURACOVE	50 WHITE W	6"		www.commercial.larkett.com	
WTS-1	WALL TRANSITION STRIP	SCHLUTER	JOLLY			VARIABLES	WYATT DUNBAR wdunbar@schluter.com	PROVIDE LONGEST LENGTHS POSSIBLE W/O SPLICES AT ALL TILE EDGES AND OUTSIDE CORNERS IN RESTROOMS

NOTE: FINISHES LISTED WITH REPRESENTATIVE CONTACT INFO ARE REQUIRED. SUBSTITUTIONS ARE NOT PERMITTED. CONTACT LISTED REP FOR FORD PROGRAM PRICING.

INTERIOR PAINTING:

- PREPARE THE SURFACE AS RECOMMENDED BY THE MANUFACTURER.
- INTERIOR PAINT SYSTEMS:
 - UNPRIMED BARE STEEL:
 - REMOVE RUST, LOOSE MIL SCALE, AND SHOP PRIMER, IF ANY. CLEAN PER MFR OR SSPC-SP 11 AS MINIMUM REQUIREMENT.
 - PRIMER COAT: SHERWIN WILLIAMS: 866310 PRO-CRYL UNIVERSAL PRIMER; APPLIED AT A DRY FILM THICKNESS OF NOT LESS THAN 2.0 MILS.
 - TOP COATS: SHERWIN WILLIAMS: 866 SERIES, DTM ENAMEL; APPLIED AT A DRY FILM THICKNESS OF NOT LESS THAN 2.5 MILS PER COAT; SEMI-GLOSS.
 - SHOP PRIMED STEEL:
 - CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND AREAS WHERE SHOP PAINT IS ABRASSED. CLEAN PER SSPC-PA.
 - PRIMER COAT: TOUCH-UP ORIGINAL PRIMER.
 - TOP COATS: SHERWIN WILLIAMS: 866 SERIES, DTM ENAMEL; APPLIED AT A DRY FILM THICKNESS OF NOT LESS THAN 2.0 MILS.
 - STEEL, WATERBORNE DRYFALL FOR EXPOSED STRUCTURE CEILINGS:
 - PRIMER COAT: SHERWIN WILLIAMS: 866-310 PRO-CRYL UNIVERSAL PRIMER; APPLIED AT A DRY FILM THICKNESS OF NOT LESS THAN 2.0 MILS.
 - TOP COATS: SHERWIN WILLIAMS: 842W00082, WATERBORNE ACRYLIC DRYFALL; APPLIED AT A DRY FILM THICKNESS OF NOT LESS THAN 4.5 MILS. FLAT.
 - GALVANIZED-METAL SUBSTRATES:
 - WATER-BASED DRY-FALL SYSTEM MPI INT 5.3H.
 - PRIME COAT: DRY-FALL, WATER BASED, FOR GALVANIZED STEEL, MATCHING TOPCOAT.
 - TOPCOAT: DRY FALL, WATER BASED, FOR GALVANIZED STEEL, FLAT (MPI GLOSS LEVEL 1), MPI #153.
 - GYPSON BOARD SUBSTRATES:
 - GYPSON BOARD (NON-EPOXY)
 - LOCATIONS: ALL GYPSON BOARD SURFACES UNLESS NOTED OTHERWISE.
 - PRIMER COAT: SHERWIN WILLIAMS: PROMAR 200 ZERO VOC LATEX PRIMER, B28W2600.
 - PRIMER COAT (ALT): WHERE INDICATED ON FINISH PLAN PRIME WALLS WITH SHERWIN WILLIAMS MOISTURE VAPOR BARRIER INTERIOR LATEX PRIMER-SEALER.
 - TOP COATS: PROMAR 200 SERIES HIGH PERFORMANCE ZERO VOC INTERIOR LATEX PAINT, EG-SHEL. PROVIDE FLAT FINISH AT GYPSON BOARD CEILINGS.
 - GYPSON BOARD: EG-SHEL EPOXY
 - PRIMER: SHERWIN WILLIAMS PROMAR 200 ZERO VOC LATEX PRIMER, B28W2600.
 - FINISH: TWO COATS SHERWIN WILLIAMS PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY, EG-SHEL, K45 SERIES. APPLY AT RATES AS RECOMMENDED BY MANUFACTURER.

RESINOUS FLOORING SPECIFICATIONS (ALTERNATE 1):

- PAINT THE FOLLOWING WORK WHERE EXPOSED IN OCCUPIED SPACES:
 - EQUIPMENT, INCLUDING PANELBOARDS.
 - UNINSULATED METAL PIPING.
 - UNINSULATED PLASTIC PIPING.
 - PIPE HANGERS AND SUPPORTS.
 - METAL CONDUIT.
 - PLASTIC CONDUIT.
 - DUCT, EQUIPMENT, AND PIPE INSULATION HAVING COTTON OR CANVAS INSULATION COVERING OR OTHER PAINTABLE JACKET MATERIAL.
 - OTHER ITEMS AS DIRECTED BY ARCHITECT.
 - PAINT PORTIONS OF INTERNAL SURFACES OF METAL DUCTS, WITHOUT LINER, BEHIND AIR INLETS AND OUTLETS THAT ARE VISIBLE FROM OCCUPIED SPACES.
- 900561 COMMON WORK RESULTS FOR FLOORING PREPARATION**
- CONCRETE SLAB TESTING SHALL BE CONDUCTED BY A THIRD PARTY TESTING AGENCY.
 - TESTING SHALL BE CONDUCTED ON ALL FLOORS TO RECEIVE ADHESIVELY APPLIED FLOOR FINISHES INCLUDING CARPET, RESINOUS FLOORING AND RESILIENT FLOORING.
 - ADDITIONAL TESTING REQUIREMENTS:
 - FLOOR COATINGS WHERE MOISTURE AND ALKALINITY (PH) TESTING ARE REQUIRED BY THE MANUFACTURER PRIOR TO INSTALLATION.
 - ANY OTHER FLOORING MATERIAL THAT REQUIRES TESTING BY THE MANUFACTURER.
 - REQUIRED TESTS:
 - MOISTURE VAPOR EMISSION TESTING IN ACCORDANCE WITH ASTM F1869.
 - INTERNAL RELATIVE HUMIDITY TEST IN ACCORDANCE WITH ASTM F2170 PROCEDURE A.
 - ALKALINITY TESTING ACCORDING TO ASTM F710.
 - ADHESIVE BOND AND COMPATIBILITY TESTING. PER MANUFACTURER'S STANDARD TEST PROCEDURES.

SERVICE DRIVE WITH DECORATIVE ACRYLIC FLAKE:

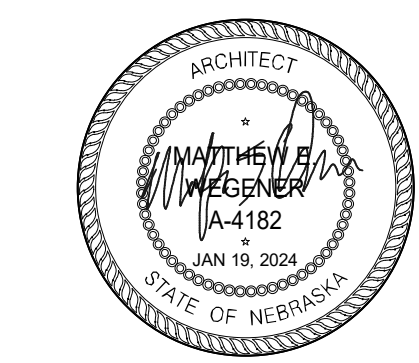
- Resufloor Aqua Deco Flake BC, 20-30 mils nominal thickness. See finish schedule for color selection.
- Primer: Resufloor Aqua 3479 at 200-300 sq. ft. per gallon.
- Body coat: Resufloor Aqua 3479 at 200-250 sq. ft. per gallon.
- Broadcast: Decorative flakes 6750 or 6755 to excess at 100-200 lbs. per 1,000 sq. ft.
- GROUT COAT: Resufloor Aqua 3461 at 125-250 sq. ft. per gallon.
- Stippling: Line stippling via stencil 856 Series Macropoxy 646 FC/RC Polyamide Epoxy to color (yellow) and pattern as indicated on the drawings.
- Seal coat: Resufloor HTS 100 kit with high wear additive.

REVISIONS SCHEDULE

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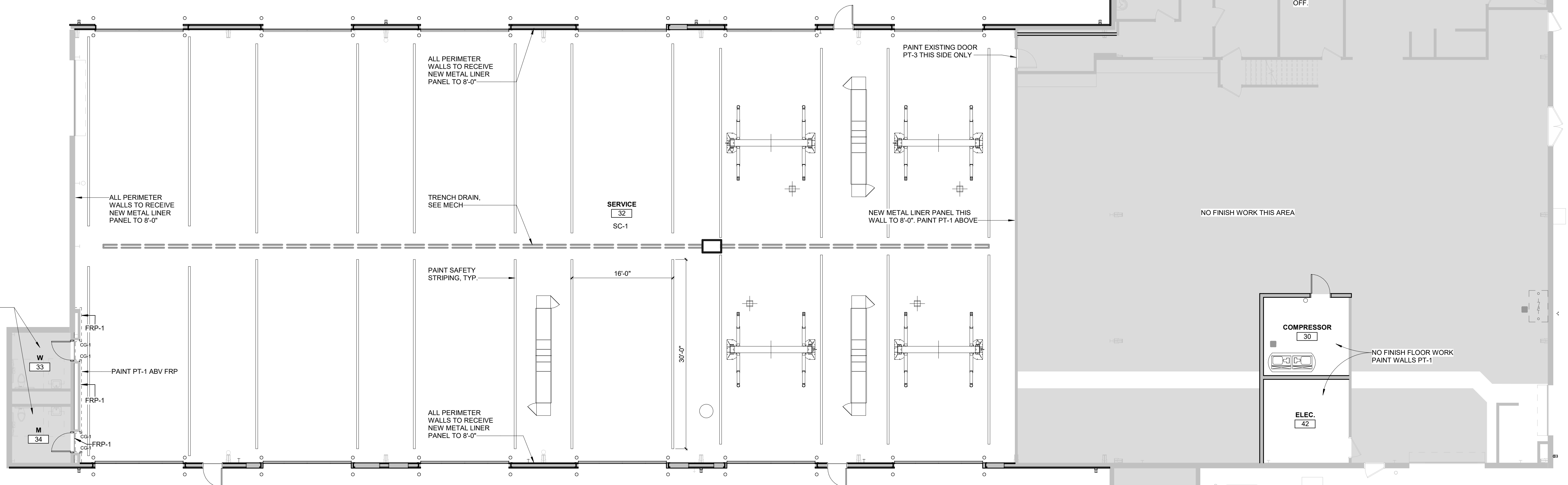
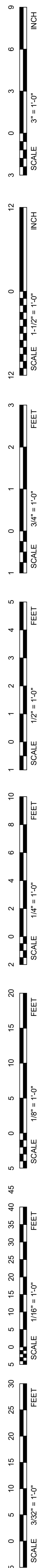


FINISH SCHEDULE & FIRST FLOOR FINISH PLAN - AREA C

NORTH

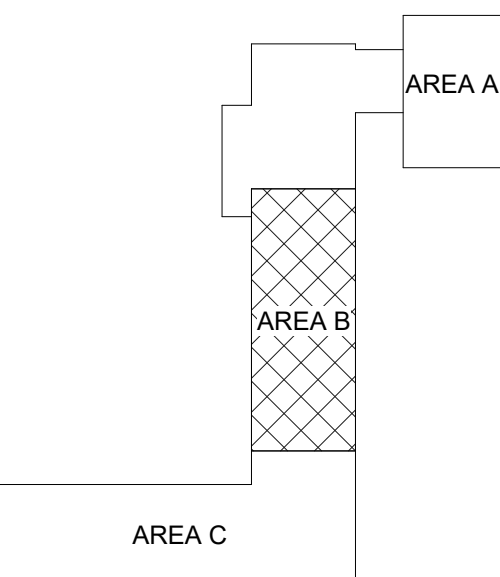


A9.2



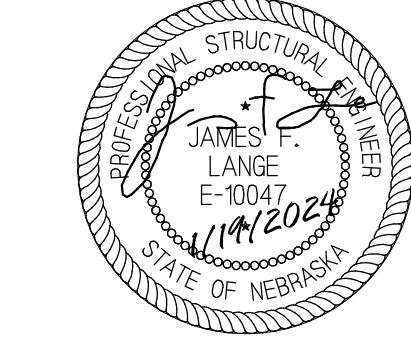
1 FIRST FLOOR FINISH PLAN - AREA C
 1/8" = 1'-0"

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1	2/7/2024	ADDENDUM 02

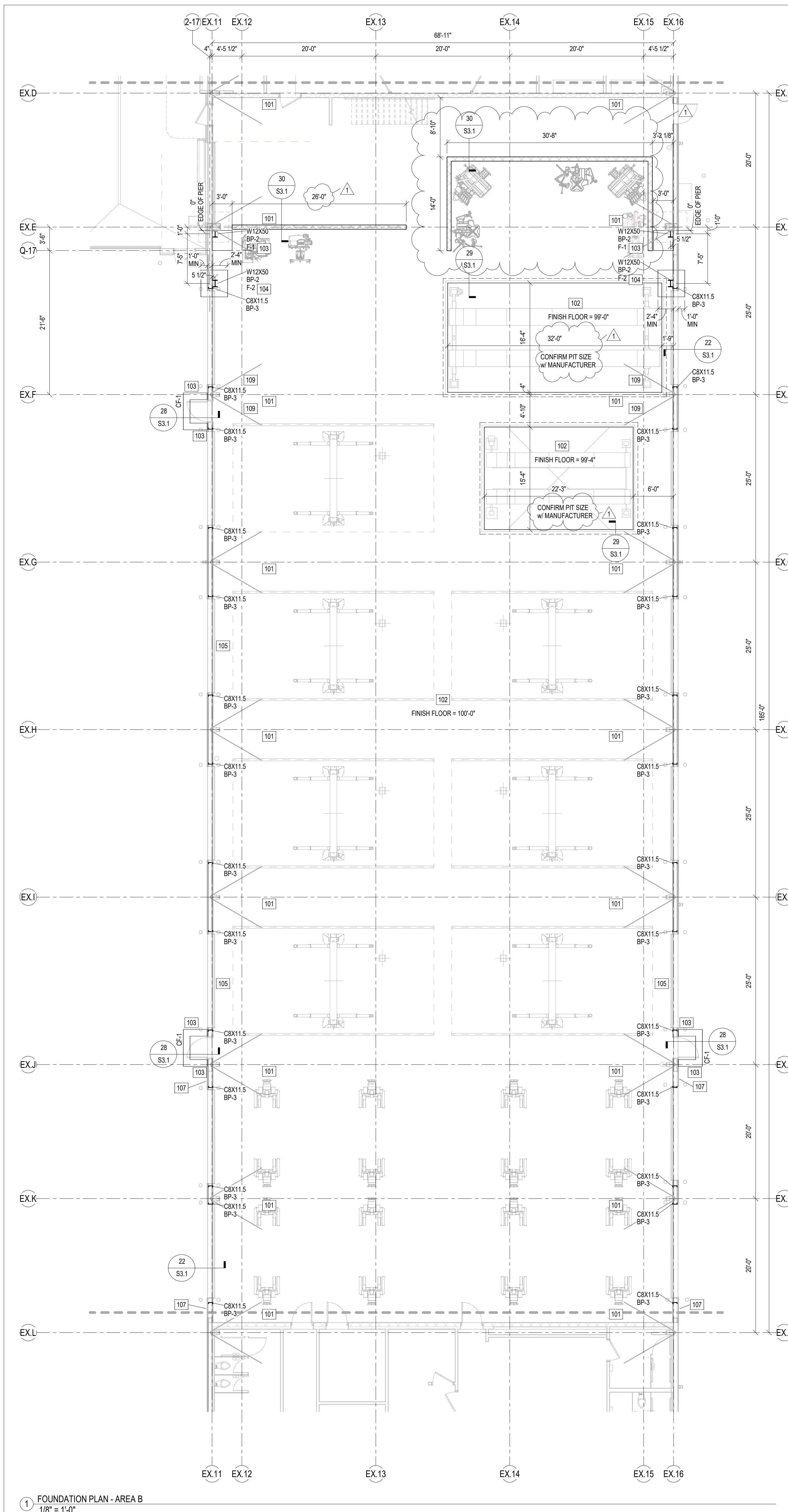


WOODHOUSE FOR PRO: BUILDING IMPROVEMENTS

PROJECT: 23043 DATE: JAN 19, 2024
 PROJECT STATUS: 100% CD SUBMITTAL

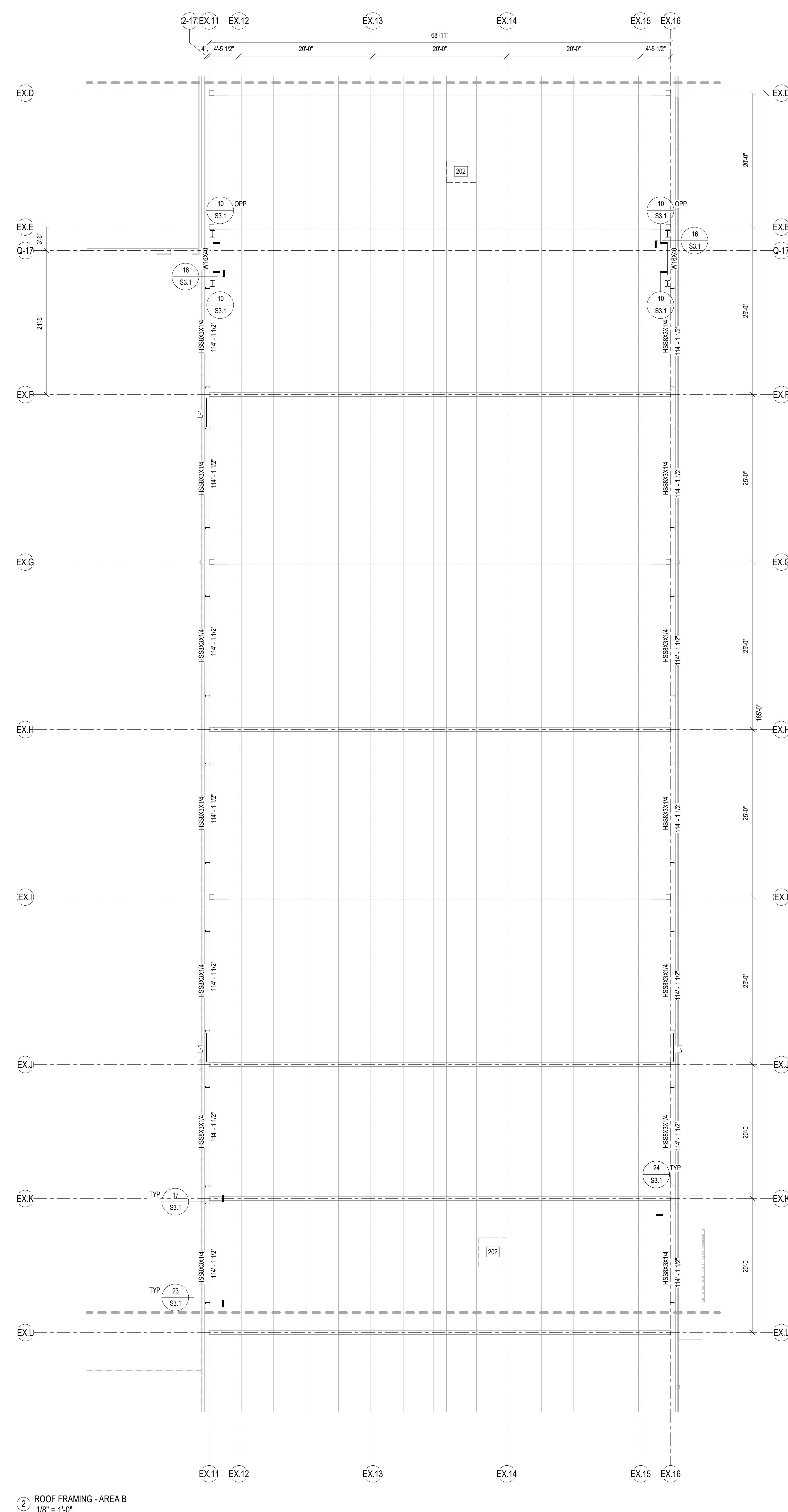


STRUCTURAL PLANS AREA B



- GENERAL FOUNDATION PLAN NOTES**
- REFER TO DESIGN DATA, SCHEDULES & TYP DETAILS
 - INDICATES KEYNOTE REFER TO PLAN FOR LOCATION
 - TOP = 99'-4" UNLESS NOTED OTHERWISE
 - COLUMN SCHEDULE GUIDE:
 C-X COLUMN MARK
 BP-X BASE PLATE MARK
 P-X PIER MARK
 F-X FOOTING MARK
 XX-X TOP OF FOOTING
 - FIELD VERIFY ALL DIMENSIONS TO EXISTING BUILDING STRUCTURE
 - VERIFY EXISTING SLAB THICKNESS PRIOR TO DEMOLITION
- FOUNDATION KEYNOTES**
- REFER TO PLAN FOR LOCATION
 - NOT ALL NOTES OCCUR ON EA SHEET
 - 101 DEMO EXISTING SLAB TO EXTENTS SHOWN BY ARCH. V-BARS @ PEMB FRAMES TO REMAIN. CARE SHALL BE TAKEN TO NOT DAMAGE BARS.
 - 102 8" CIP SLAB ON PROPERLY PREPARED SUBGRADE REFER TO SOILS REPORT. REINFORCE W/ #4 @ 12" OC EA WAY. REFER TO ARCH FOR VAPOR BARRIER. SLOPE TO DRAIN. REFER TO ARCH & MECH.
 - 103 DOWEL TOP & BOTTOM REINF INTO EXISTING FOUNDATIONS. DRILL & ADHERE W/ HILTI HIT-HY 200 W/ 9" EMBED.
 - 104 DOWEL TOP REINF THROUGH EXISTING FOUNDATIONS. DOWEL BOTTOM INTO EXISTING FOUNDATIONS DRILL & ADHERE W/ HILTI HIT-HY 200 W/ 9" EMBED.
 - 105 REMOVE EXISTING ROD BRACING AFTER MOMENT FRAMES ARE INSTALLED.
 - 107 LEAVE EXISTING DOOR JAMB. INFILL BETWEEN JAMBS W/ 6 1/2" Z GIRTS TO MATCH EXISTING.
 - 109 EXPOSE EXISTING V-BAR LEGS BACK TO COLUMN BASEPLATE & BEND TO ALIGN W/ GRID. LAP W/ #6CONT BETWEEN COLUMNS. PROVIDE #3 TIES @ 9" OC @ LAP SPLICES.

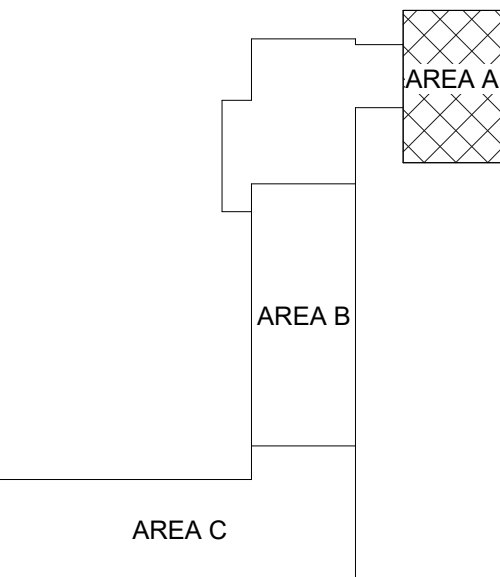
1 FOUNDATION PLAN - AREA B
 1/8" = 1'-0"



- GENERAL ROOF PLAN NOTES**
- REFER TO DESIGN DATA, SCHEDULES & TYP DETAILS
 - INDICATES KEYNOTE REFER TO PLAN FOR LOCATION
 - UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO FACE OF WALL FRAMING OR CENTERLINE OF COLUMNS
 - FRAMING KEY:
 — BEAR ON COLUMN
 — FRAME INTO COLUMN
 DULL END REACTIONS
 T### TOP OF STEEL
 B### BOTTOM OF STEEL
 - FIELD VERIFY ALL DIMENSIONS TO EXISTING BUILDING STRUCTURE
- ROOF KEYNOTES**
- REFER TO PLAN FOR LOCATION NOT ALL NOTES OCCUR ON EA SHEET
 - 202 PROVIDE RTU CURB SUPPORT. FRAME REFER TO TYPICAL SCHEDULE.

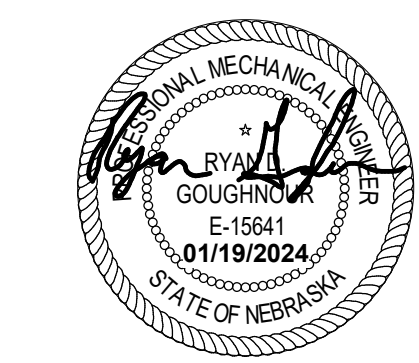
2 ROOF FRAMING - AREA B
 1/8" = 1'-0"

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MARK	DATE	DESCRIPTION
2	02/07/2024	Addendum 02



WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

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FLOOR PLAN - HVAC - AREA A

NORTH

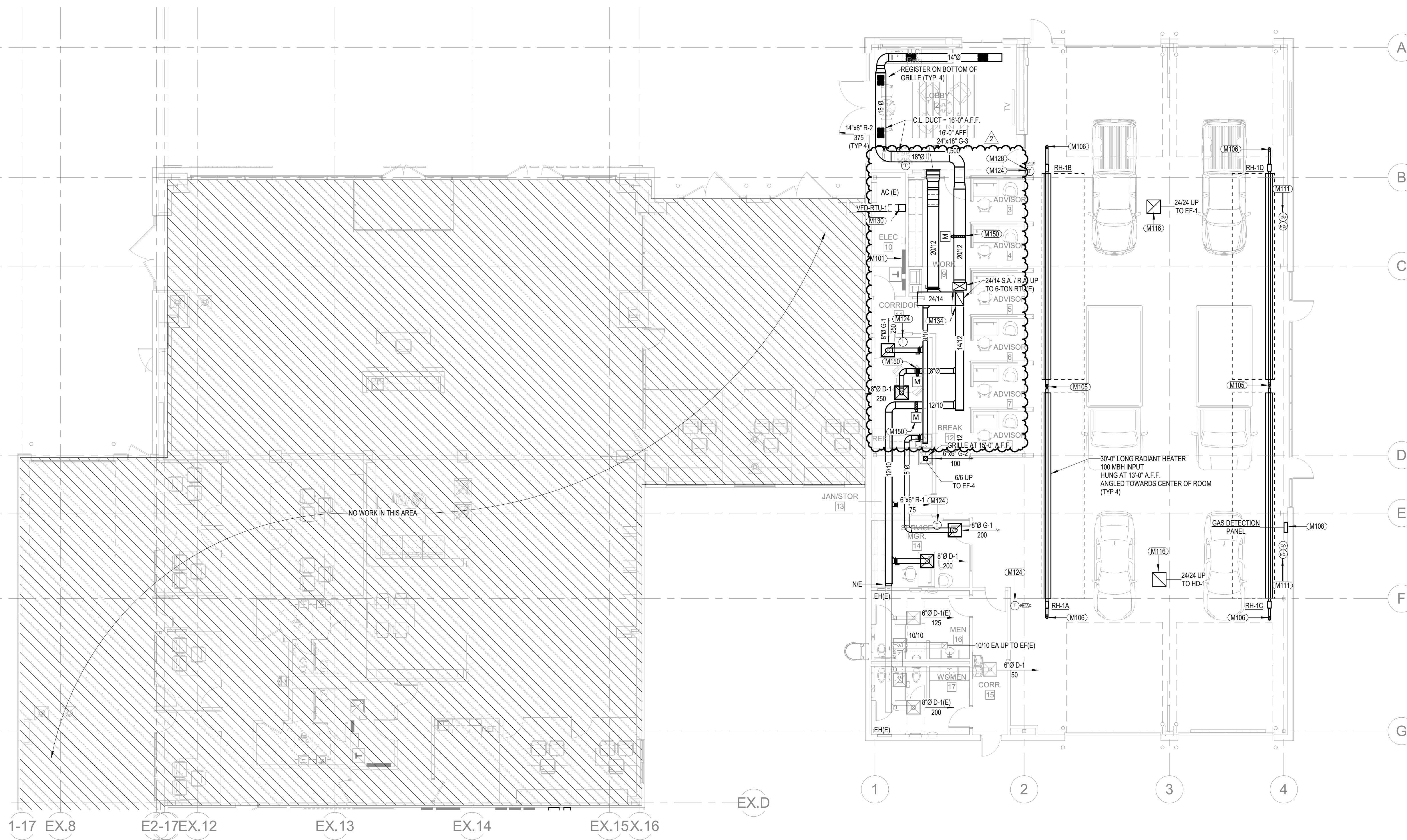
M1.1

KEYNOTES

- M101 DO NOT ROUTE DUCTWORK OVER ELECTRICAL PANELS. MAINTAIN ALL CODE REQUIRED CLEARANCES
- M105 FLUE UP THROUGH ROOF TO VENT CAP FROM RADIANT TUBE HEATERS. UNIT HEATERS. SIZE AND TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. SEAL PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH STRUCTURE AND GENERAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES BETWEEN AIR INTAKE AND EXHAUST.
- M106 COMBUSTION AIR UP THROUGH ROOF TO VENT CAP FROM RADIANT TUBE HEATERS. SIZE AND TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. SEAL PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH STRUCTURE AND GENERAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES BETWEEN AIR INTAKE AND EXHAUST.
- M108 LOCAL CONTROL PANEL FOR GAS DETECTION SYSTEM CONTROLS WITH CO AND NO2 DETECTORS AS SHOWN ON PLANS. ALL LOW VOLTAGE CONTROL WIRING FOR GAS DETECTION SYSTEM SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. COORDINATE INSTALLATION OF THE CONTROL WIRING WITH THE ELECTRICAL CONTRACTOR.
- M111 COORDINATE THE LOCATION OF EMERGENCY VENTILATION CONTROL SYSTEM. PREFERRED LOCATION AND SPACING SHOWN FOR REFERENCE. PROVIDE ADDITIONAL SENSORS AS REQUIRED BY THE MANUFACTURER'S RECOMMENDED MAXIMUM SPACING.
- M124 SUB-DUCT 12" RIGID POLYESTER INSULATED UP THROUGH ROOF OPENING. PROVIDE NEW 7-DAY PROGRAMMABLE THERMOSTAT. PROVIDE BACK INSULATED COVER FOR THERMOSTATS LOCATED ON EXTERIOR WALLS. COORDINATE PLATE COVER WITH ARCHITECT AND OWNER. UNIT HEATERS AND INFRARED HEATERS MAY UTILIZE SHARED ZONED THERMOSTATS. GAS UNIT HEATERS SHALL BE PRIMARY WITH INFRARED UNIT HEATERS AS SECONDARY HEAT SOURCE.
- M128 DEDUCT ALTERNATE. OMIT THERMOSTAT CONTROLLING 2 RADIANT HEATERS. CONTROL ALL 4 RADIANT HEATERS FROM SINGLE THERMOSTAT.
- M130 PROVIDE A STANDALONE VAV CONTROLLED CONTROLS SYSTEM TO INCORPORATE EXISTING RTU-1(E) AND THREE NEW VAV ZONES. INSTALL VAV CONTROLLERS AND SPACE THERMOSTATS WITH FULL LCD INTERFACES FOR EACH ZONE. VAV CONTROLLERS TO INCLUDE A VELOCITY SENSOR, DAMPER ACTUATOR, AND SUPPLY AIR DUCT TEMPERATURE SENSOR. INSTALL NEW VFD ON EXISTING RTU FAN. CONTRACTOR SHALL VERIFY MOTOR SIZE WITH MOTOR NAMEPLATE INSIDE EXISTING RTU (NAMEPLATE INFORMATION IS ILLEGIBLE). FOR BIDDING PURPOSES, ESTIMATE 15 HP MOTOR. REPLACE EXISTING RTU CONTROLLER WITH NEW TO OPERATE NEW FAN VFD AND UNIT HEATING AND COOLING THROUGH EXISTING UNIT TERMINAL STRIP. PROVIDE PROGRAMMING TO OPERATE AS A VARIABLE VOLUME SYSTEM PER ASHRAE 135 STANDARD SEQUENCES OF OPERATION. PROVIDE ALL INTERCOMMUNICATION WIRING BETWEEN CONTROLLERS AS NEEDED FOR A COMPLETE OPERATIONAL SYSTEM.
- M134 CONNECT NEW DUCTWORK TO EXISTING ROOFTOP UNIT DUCT DROPS. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE AND HEIGHT OF EXISTING DUCTWORK.
- M150 MECHANICAL CONTRACTOR TO PROVIDE DAMPER IN DUCTWORK, DAMPER ACTUATOR AND VELOCITY SENSOR BY TEMPERATURE CONTROLS.

EMERGENCY VENTILATION SYSTEM AND CONTROL NOTES

1. MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE HONEYWELL OR EQUIVALENT CONTROL SYSTEM WITH CARBON MONOXIDE AND NITROGEN DIOXIDE DETECTORS AS SHOWN ON PLANS. SUBMIT ALTERNATE MANUFACTURER'S FOR ENGINEER'S APPROVAL PRIOR TO BIDDING.
2. SYSTEM SHALL CONSIST OF THE FOLLOWING:
 - HONEYWELL CONTROL PANEL
 - CARBON MONOXIDE (CO) ELECTROCHEMICAL TRANSMITTERS/ANALYZERS
 - NITROGEN DIOXIDE (NO2) ELECTROCHEMICAL TRANSMITTERS/ANALYZERS
 - SEE PLANS FOR SENSOR LOCATIONS.
3. AT EACH SENSOR LOCATION SHOWN ON THE PLANS, INSTALL CO AND NO2 TRANSMITTER/ANALYZER AT 48" A.F.F.
4. THE SYSTEM SHALL ACTIVATE THE FANS AND OPEN THE MOTORIZED DAMPER ON THE INTAKE HOODS AS REQUIRED TO MAINTAIN THE FOLLOWING CONCENTRATIONS:
 - AVERAGE CO CONCENTRATION OF 25 PPM DURING ANY 8 HOUR PERIOD.
 - NO2 CONCENTRATION OF 5 PPM AT ANY TIME.
 - THE SYSTEM SHOULD ONLY OPERATE THE FAN SERVING THE PARKING AREA WHEN HIGH CO OR NO2 CONCENTRATION IS DETECTED.
5. ALL LOW VOLTAGE CONTROL WIRING FOR GAS DETECTION SYSTEM SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. COORDINATE THE INSTALLATION OF THE CONTROL WIRING WITH THE ELECTRICAL CONTRACTOR.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE THE MOTOR STARTERS AND POWER FOR THE FANS AND HOODS AND ANY LOW VOLTAGE WIRING REQUIRED.



1 FLOOR PLAN - HVAC - AREA A
 1/8" = 1'-0"

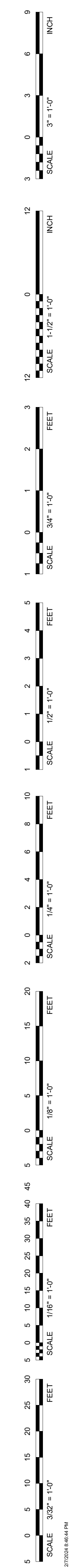
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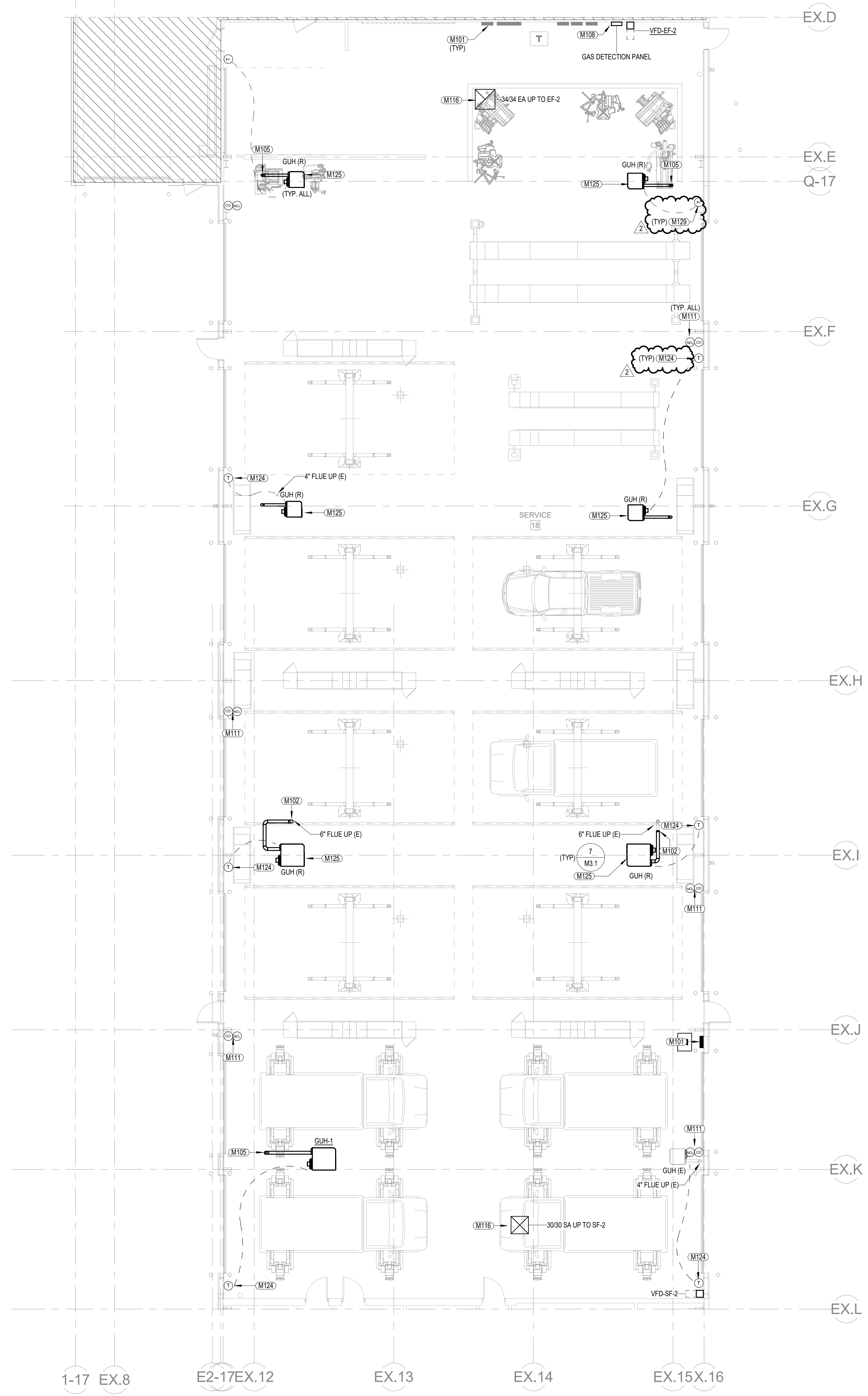
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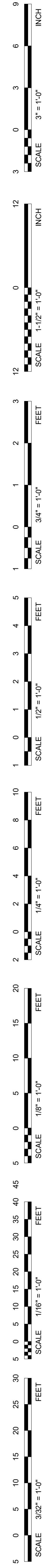
KEYNOTES

- M101 DO NOT ROUTE DUCTWORK OVER ELECTRICAL PANELS. MAINTAIN ALL CODE REQUIRED CLEARANCES.
- M102 CONNECT NEW DUCTWORK TO EXISTING DUCTWORK AT LOCATION INDICATED. FIELD VERIFY EXACT SIZE, LOCATION AND ELEVATION OF EXISTING DUCTWORK PRIOR TO CONNECTION. TRANSITION, EXTEND AND OFFSET NEW DUCTWORK AS REQUIRED TO MAKE CONNECTION AND AVOID CONFLICTS.
- M105 FLUE UP THROUGH ROOF TO VENT CAP FROM RADIANT TUBE HEATERS/UNIT HEATERS. SIZE AND TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. SEAL PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH STRUCTURE AND GENERAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES BETWEEN AIR INTAKE AND EXHAUST.
- M108 LOCAL CONTROL PANEL FOR GAS DETECTION SYSTEM CONTROLS WITH CO AND NO2 DETECTORS AS SHOWN ON PLANS. ALL LOW VOLTAGE CONTROL WIRING FOR GAS DETECTION SYSTEM SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. COORDINATE INSTALLATION OF THE CONTROL WIRING WITH THE ELECTRICAL CONTRACTOR.
- M111 CO SENSOR AND NO2 SENSOR AT 48" AFF FOR EMERGENCY VENTILATION CONTROL SYSTEM. PREFERRED LOCATION AND SPACING SHOWN FOR REFERENCE. PROVIDE ADDITIONAL SENSORS AS REQUIRED BY THE MANUFACTURER'S RECOMMENDED MAXIMUM SPACING.
- M116 **STAINLESS STEEL PROTECTIVE PACK INSULATION (2" SCREEN AT OPENING)**
- M124 **INSULATED COVER FOR THERMOSTATS LOCATED ON EXTERIOR WALLS. COORDINATE PLATE COVER WITH ARCHITECT AND OWNER. UNIT HEATERS AND INFRARED HEATERS MAY UTILIZE SHARED ZONED THERMOSTATS. GAS UNIT HEATERS SHALL BE PRIMARY WITH INFRARED UNIT HEATERS AS SECONDARY HEAT SOURCE.**
- M129 **UNIT HEATERS AND INFRARED HEATERS MAY UTILIZE SHARED ZONED THERMOSTATS. GAS UNIT HEATERS SHALL BE PRIMARY WITH INFRARED UNIT HEATERS AS SECONDARY HEAT SOURCE.**

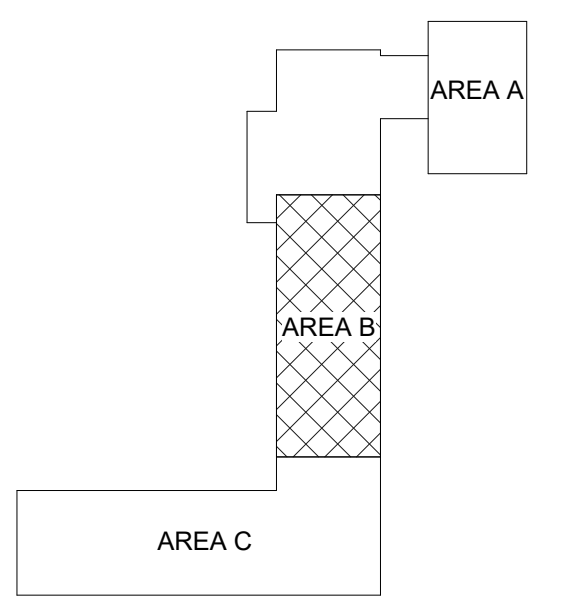


1-17 EX.8 E2-17EX.12 EX.13 EX.14 EX.15X.16

1 FLOOR PLAN - HVAC - AREA B
 1/8" = 1'-0"



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2	02/07/2024	Addendum 02



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FLOOR PLAN - HVAC - AREA B



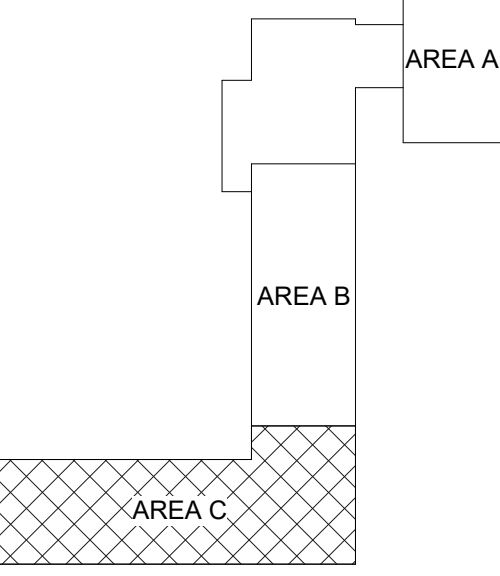
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KEYNOTES

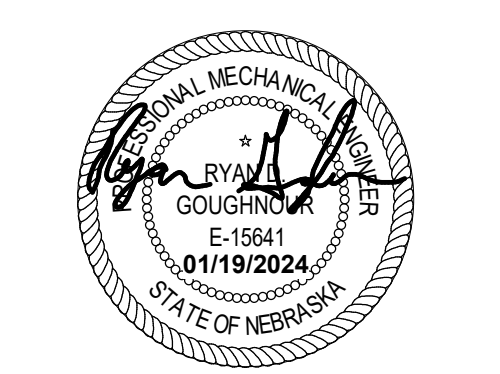
- M101 DO NOT ROUTE DUCTWORK OVER ELECTRICAL PANELS. MAINTAIN ALL CODE REQUIRED CLEARANCES.
- M105 FLUE UP THROUGH ROOF TO VENT CAP FROM RADIANT TUBE HEATERS. UNIT HEATERS, SIZE AND TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. SEAL PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH STRUCTURE AND GENERAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES BETWEEN AIR INTAKE AND EXHAUST.
- M106 COMBUSTION AIR UP THROUGH ROOF TO VENT CAP FROM RADIANT TUBE HEATERS. SIZE AND TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. SEAL PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH STRUCTURE AND GENERAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES BETWEEN COMBUSTION AIR INTAKE AND EXHAUST.
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- M111 CO SENSOR AND NO2 SENSOR AT 48" AFF FOR EMERGENCY VENTILATION CONTROL SYSTEM. PREFERRED LOCATION AND SPACING SHOWN FOR REFERENCE. PROVIDE ADDITIONAL SENSORS AS REQUIRED BY THE MANUFACTURER'S RECOMMENDED MAXIMUM SPACING.
- M112 SALVAGE GAS UNIT HEATER FOR RELOCATION. DISCONNECT EXHAUST FLUE. SEE NEW PLANS FOR CONNECTION TO NEW FLUE PIPING.
- M116 STUB DUCT 12" BELOW ROOF DECK AND PROVIDE 1/2" SCREEN AT OPENING.
- M118 ELECTRIC UNIT HEATER. SEE ELECTRICAL PLANS.
- M124 PROVIDE NEW 7-DAY PROGRAMMABLE THERMOSTAT. PROVIDE BACK INSULATED COVER FOR THERMOSTATS LOCATED ON EXTERIOR WALLS. COORDINATE PLATE COVER WITH ARCHITECT AND OWNER. UNIT HEATERS AND INFRARED HEATERS MAY UTILIZE SHARED ZONED THERMOSTATS. GAS UNIT HEATERS SHALL BE PRIMARY WITH INFRARED UNIT HEATERS AS SECONDARY HEAT SOURCES.
- M123 UNIT HEATERS AND INFRARED HEATERS MAY UTILIZE SHARED ZONED THERMOSTATS. GAS UNIT HEATERS SHALL BE PRIMARY WITH INFRARED UNIT HEATERS AS SECONDARY HEAT SOURCES.
- M125 ROUTE REFRIGERANT PIPING UP THROUGH ROOF.
- M146 ROUTE REFRIGERANT PIPING UP ALONG WALL. REUSE EXISTING WALL PENETRATION INTO BUILDING. SEAL AROUND OPENING PER ARCHITECTURAL SPECIFICATIONS AFTER NEW REFRIGERANT PIPING IS INSTALLED.
- M147 RELOCATE EXISTING SALVAGED FAN COIL UNIT TO LOCATION SHOWN. MAINTAIN CLEARANCE ON EACH SIDE OF UNIT FOR MAINTENANCE AND SERVICING.
- M148 PROVIDE NEW REFRIGERANT LINE SET BETWEEN INDOOR FAN COIL UNIT AND OUTDOOR CONDENSING UNIT. CHARGE REFRIGERANT PIPING AS REQUIRED BY EXISTING UNIT MANUFACTURER.
- M149 PROVIDE COOLING ONLY THERMOSTAT FOR COMPRESSOR ROOM EXHAUST FAN. INTERLOCK OPERATION WITH EXHAUST FAN TO RUN WHEN THE ROOM TEMPERATURE RISES ABOVE 85 DEG F (ADJ.)

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2	02/07/2024	Addendum 02



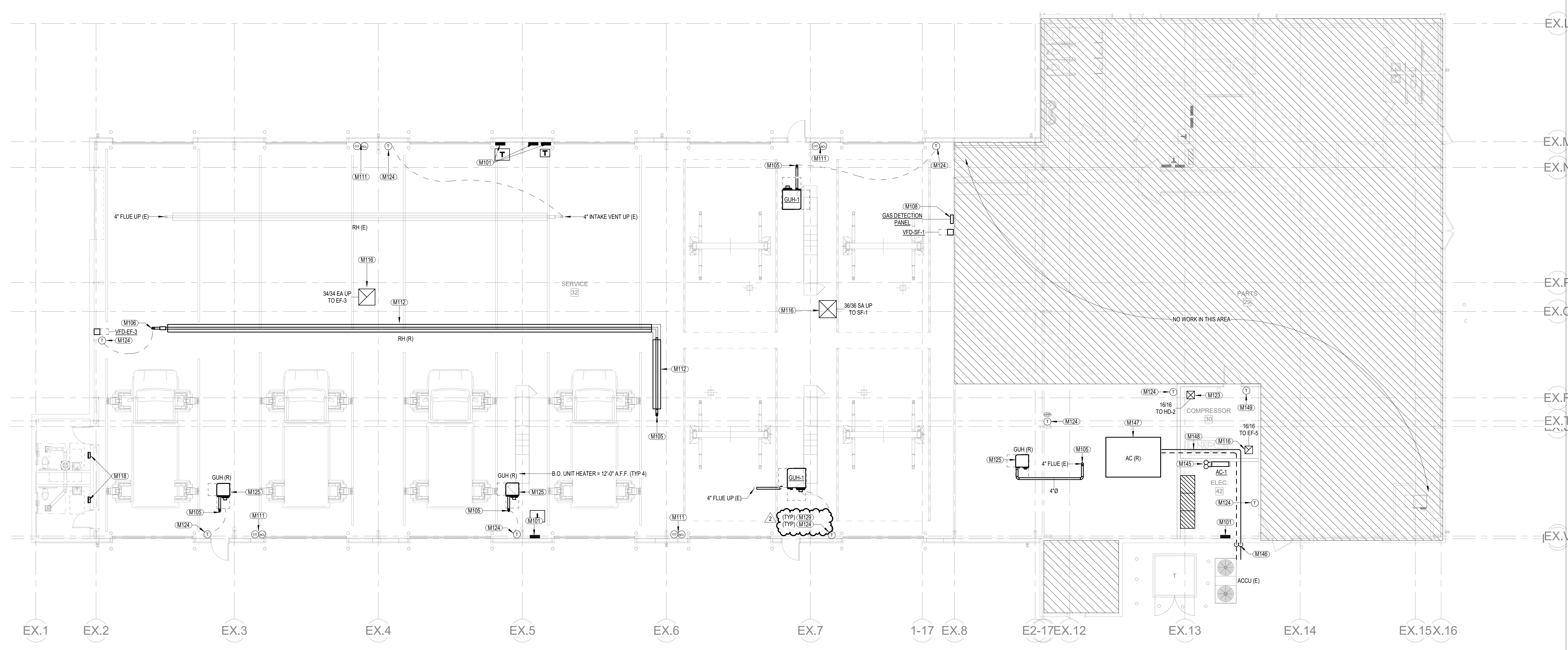
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FLOOR PLAN - HVAC - AREA C

NORTH
M1.3



1 FLOOR PLAN - HVAC - AREA C

1/8" = 1'-0"

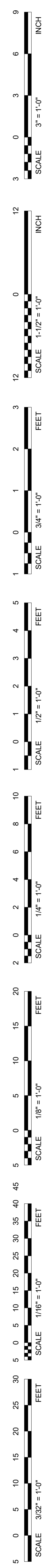
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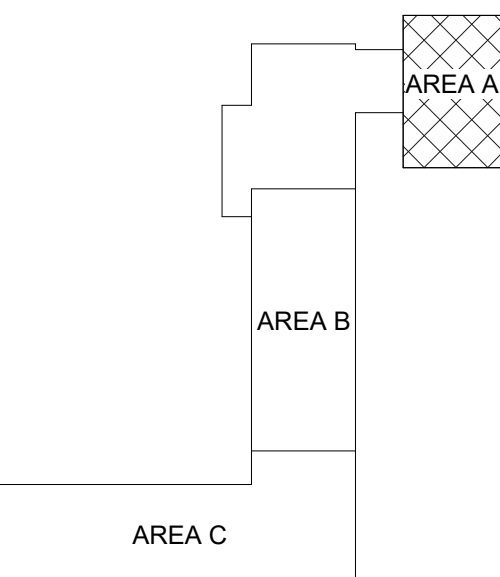
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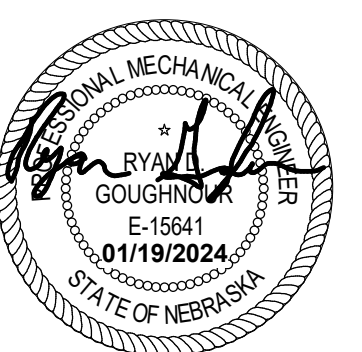


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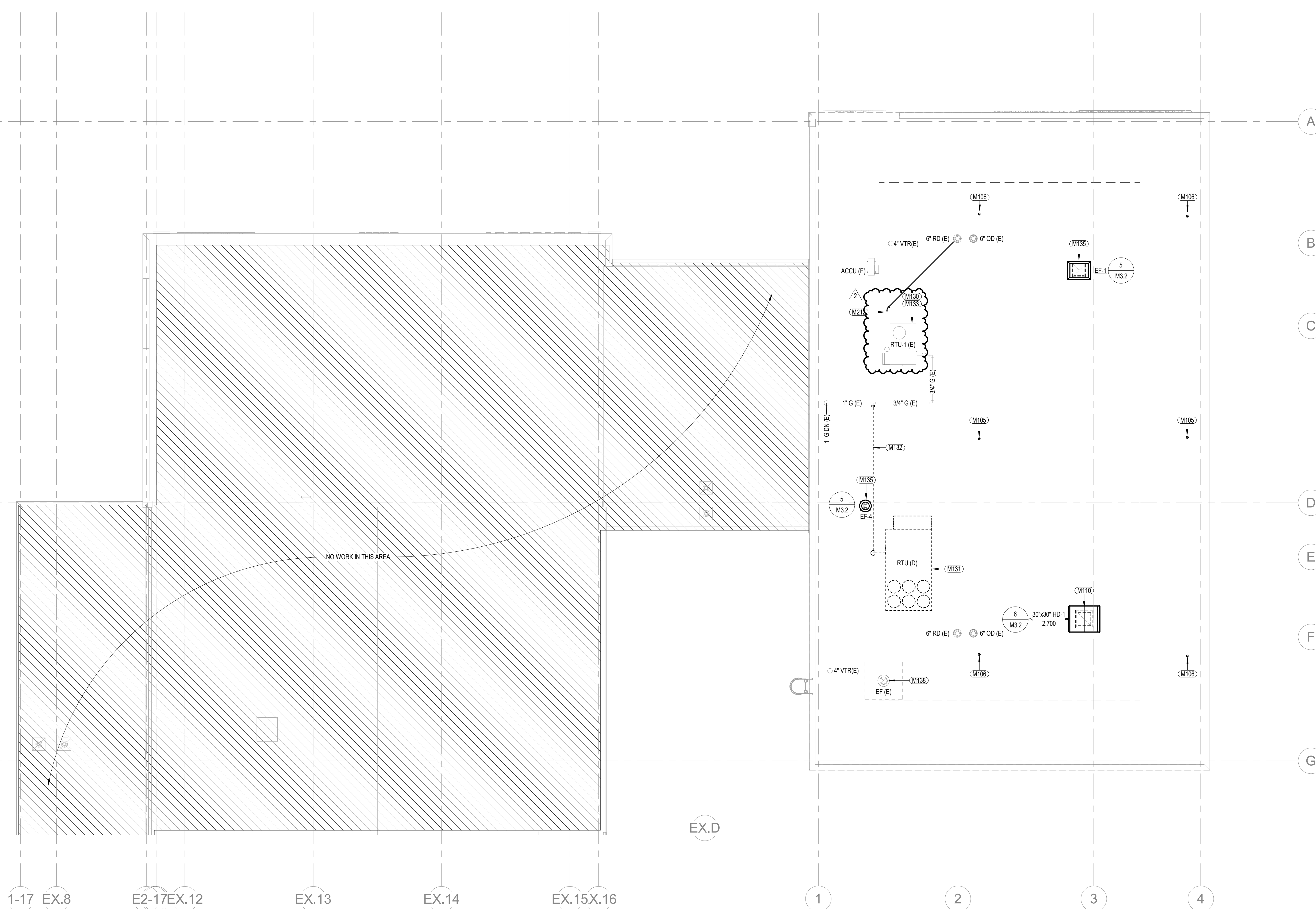
**ROOF PLAN -
 MECHANICAL - AREA
 A**

NORTH



M1.4

- KEYNOTES**
- M105 FLUE UP THROUGH ROOF TO VENT CAP FROM RADIANT TUBE HEATERS/UNIT HEATERS. SIZE AND TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. SEAL PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH STRUCTURE AND GENERAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES BETWEEN AIR INTAKE AND EXHAUST.
 - M106 COMBUSTION AIR UP THROUGH ROOF TO VENT CAP FROM RADIANT TUBE HEATERS. SIZE AND TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. SEAL PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH STRUCTURE AND GENERAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES BETWEEN COMBUSTION AIR INTAKE AND EXHAUST.
 - M110 INSTALL ROOF INTAKE HOOD PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION OF ROOF PENETRATION WITH STRUCTURE AND GENERAL CONTRACTOR.
 - M130 PROVIDE A STANDALONE VAV CENTRALIZED CONTROLS SYSTEM TO INCORPORATE EXISTING RTU-1(E) AND THREE NEW VAV ZONES. INSTALL VAV CONTROLLERS AND SPACE THERMOSTATS WITH FULL LCD INTERFACES FOR EACH ZONE. VAV CONTROLLERS TO INCLUDE A VELOCITY SENSOR, DAMPER ACTUATOR, AND SUPPLY AIR DUCT TEMPERATURE SENSOR. INSTALL NEW VFD ON EXISTING RTU FAN. CONTRACTOR SHALL VERIFY MOTOR SIZE WITH MOTOR NAMEPLATE INSIDE EXISTING RTU (NAMEPLATE INFORMATION IS ILLEGIBLE). FOR BIDDING PURPOSES, ESTIMATE 1.5 HP MOTOR. REPLACE EXISTING RTU CONTROLLER WITH NEW TO OPERATE NEW FAN VFD AND UNIT HEATING AND COOLING THROUGH EXISTING UNIT TERMINAL STRIP. PROVIDE PROGRAMMING TO OPERATE AS A VARIABLE VOLUME SYSTEM PER ASHRAE 155 STANDARD SCENARIOS OF OPERATION. PROVIDE ALL INTERCOMMUNICATION WIRING BETWEEN CONTROLLERS AS NEEDED FOR A COMPLETE OPERATIONAL SYSTEM.
 - M131 REMOVE EXISTING ROOFTOP UNIT AND ROOF CURB COMPLETE. COORDINATE REPAIR OF ROOF WITH ARCHITECTURAL PLANS.
 - M132 REMOVE GAS PIPING BACK TO MAIN AND CAP.
 - M133 EXISTING ROOFTOP UNIT TO REMAIN. PROVIDE COMPLETE SERVICE OF EXISTING UNIT INCLUDING CLEANING, FILTER CHANGE, AND REFRIGERANT CHARGE IF NEEDED. PROVIDE FULL UNIT INSPECTION AND MAINTENANCE SERVICE AND REPORT NEED FOR REPAIRS TO OWNER. BALANCE UNIT TO 2,400 CFM SUPPLY AIR AND 450 CFM OUTSIDE AIR.
 - M135 INSTALL ROOF EXHAUST FAN PER MANUFACTURER'S RECOMMENDATIONS. MINIMUM 10'-0" CLEARANCE REQUIRED BETWEEN ANY POINT OF BUILDING EXHAUST AND BUILDING AIR INTAKE. COORDINATE EXACT LOCATION OF ROOF PENETRATION WITH STRUCTURE AND GENERAL CONTRACTOR.
 - M138 BALANCE EXISTING FAN TO 300 CFM. INSPECT AND REPAIR ANY FAN DEFECTS.
 - M212 EXTEND NEW CONDENSATE PIPING FROM EXISTING ROOFTOP UNIT DRAIN AND DISCHARGE NEAR ROOF DRAIN.



1 ROOF PLAN - MECHANICAL - AREA A
 1/8" = 1'-0"

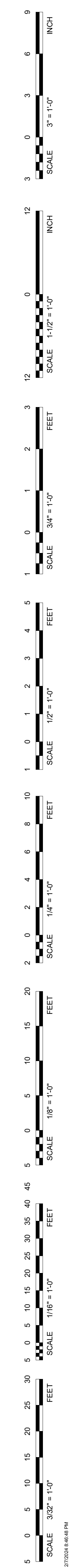
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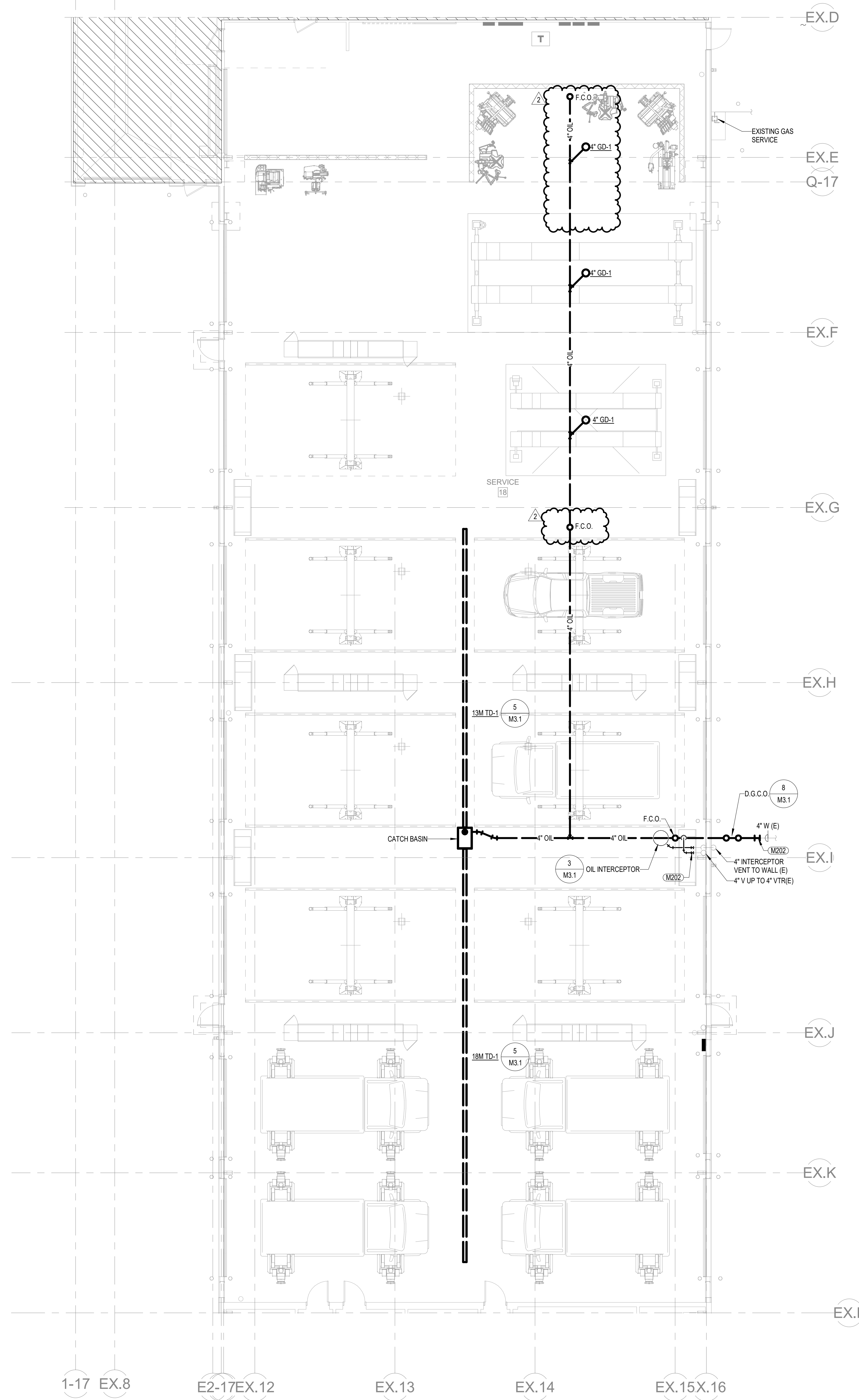
CIVIL ENGINEER
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STRUCTURAL ENGINEER
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 langestructuralgroup.com

MEP ENGINEER
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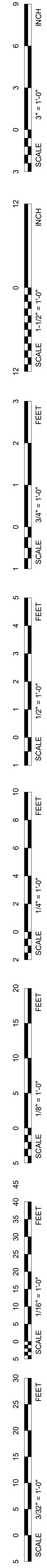
CONSTRUCTION MANAGER
MCL CONSTRUCTION
 14124 INDUSTRIAL RD
 OMAHA, NE 68144
 V 402 339 2221
 mclconstruction.com

KEYNOTES
 M202 CONNECT NEW PIPING TO EXISTING PIPING AT LOCATION INDICATED. FIELD VERIFY EXACT SIZE, LOCATION AND ELEVATION OF EXISTING PIPING PRIOR TO CONNECTION. TRANSITION, EXTEND AND OFFSET NEW PIPING AS REQUIRED TO MAKE CONNECTION AND AVOID CONFLICTS.

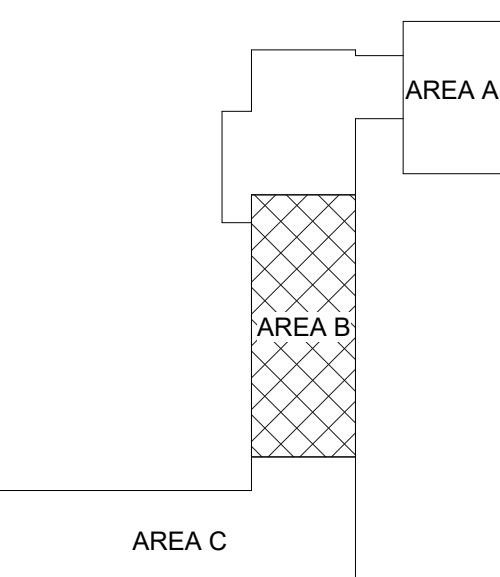


1-17 EX.8 EX.12 EX.13 EX.14 EX.15X.16

1 FIRST FLOOR - UNDERGROUND PLUMBING - AREA B
 1/8" = 1'-0"

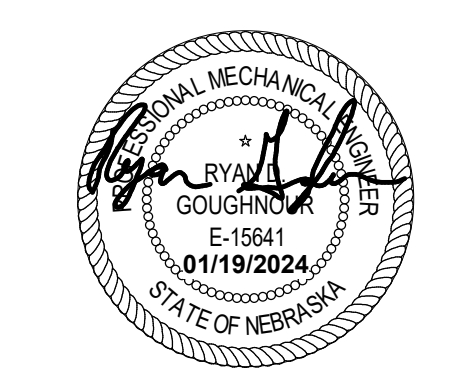


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2	02/07/2024	Addendum 02



WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

PROJECT: 23043 DATE: JANUARY 19, 2024
 PROJECT STATUS: CONSTRUCTION DOCUMENTS



UNDERGROUND PLAN - PLUMBING - AREA B

NORTH
M2.2

MEI PROJECT NO. 23416
morrissey engineering inc
 mechanical | electrical | lighting | technology | sustainability
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 Omaha, NE 68184
 P: 402.491.4144
 Nebraska COA Number: CA-0835
 www.morrisseyengineering.com

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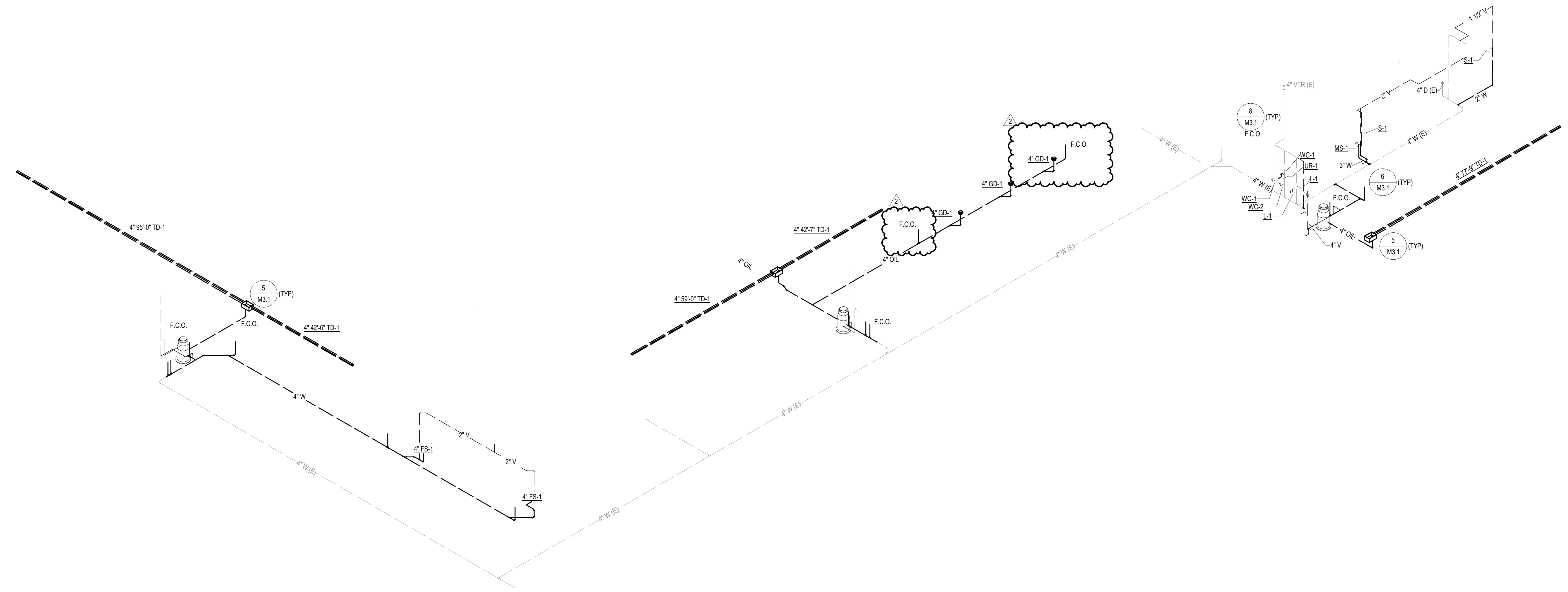
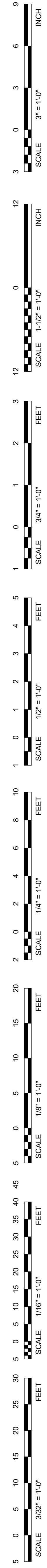
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1 WASTE & VENT RISER DIAGRAM

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 PRO: BUILDING
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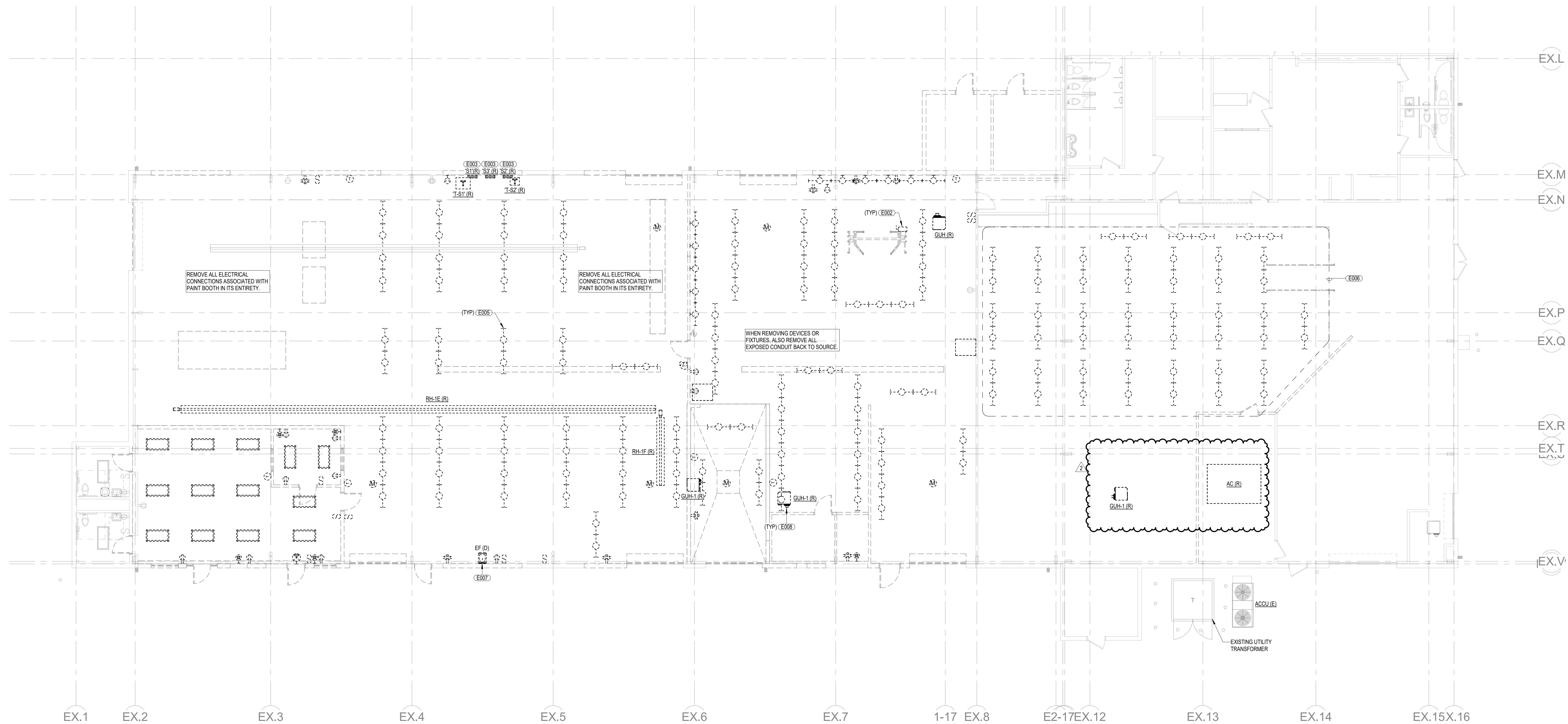
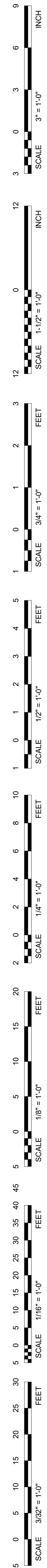
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**FLOOR PLAN -
 PLUMBING - WASTE
 AND VENT RISER**

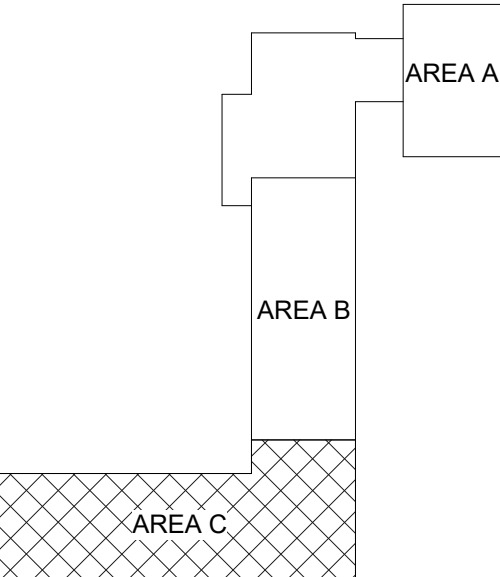
KEYNOTES

- E002 REMOVE FUSED DISCONNECT AND ALL ASSOCIATED WIRING BACK TO SOURCE.
- E003 DISCONNECT ELECTRICAL PANEL FROM EXISTING LOCATION AND RELOCATE TO NEW LOCATION. INTERCEPT AND EXTEND EXISTING CIRCUITS TO REMAIN TO NEW PANEL LOCATION. SEE NEW WORK PLANS FOR NEW LOCATION.
- E005 REMOVE LIGHT FIXTURE AND ALL WIRING BACK TO SOURCE.
- E006 REMOVE ALL LIGHTING FIXTURES, CONDUIT, BOXES, AND WIRING ON UNDERSIDE OF MEZZANINE. MEZZANINE WILL BE REMOVED IN ITS ENTIRETY. MAINTAIN CIRCUITING AND SWITCHING CONTINUITY OF ALL OTHER LIGHTS IN THE SPACE.
- E007 REMOVE DISCONNECT AND ALL WIRING BACK TO SOURCE.
- E008 REMOVE DISCONNECT AND RECONNECT AT NEW LOCATION. EXTEND WIRING TO NEW LOCATION. SEE NEW WORK PLANS FOR NEW LOCATION.



1 FIRST FLOOR - DEMOLITION - AREA C
 1/8" = 1'-0"

REVISIONS SCHEDULE		
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WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

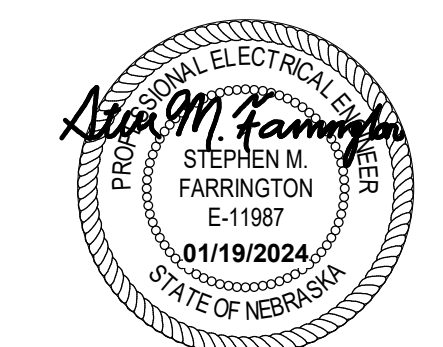
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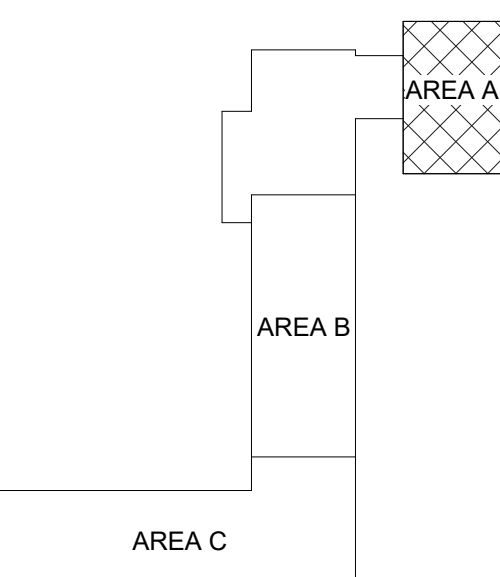
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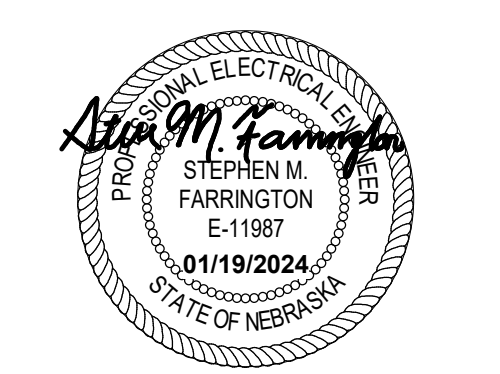
FLOOR PLAN - DEMOLITION - AREA C

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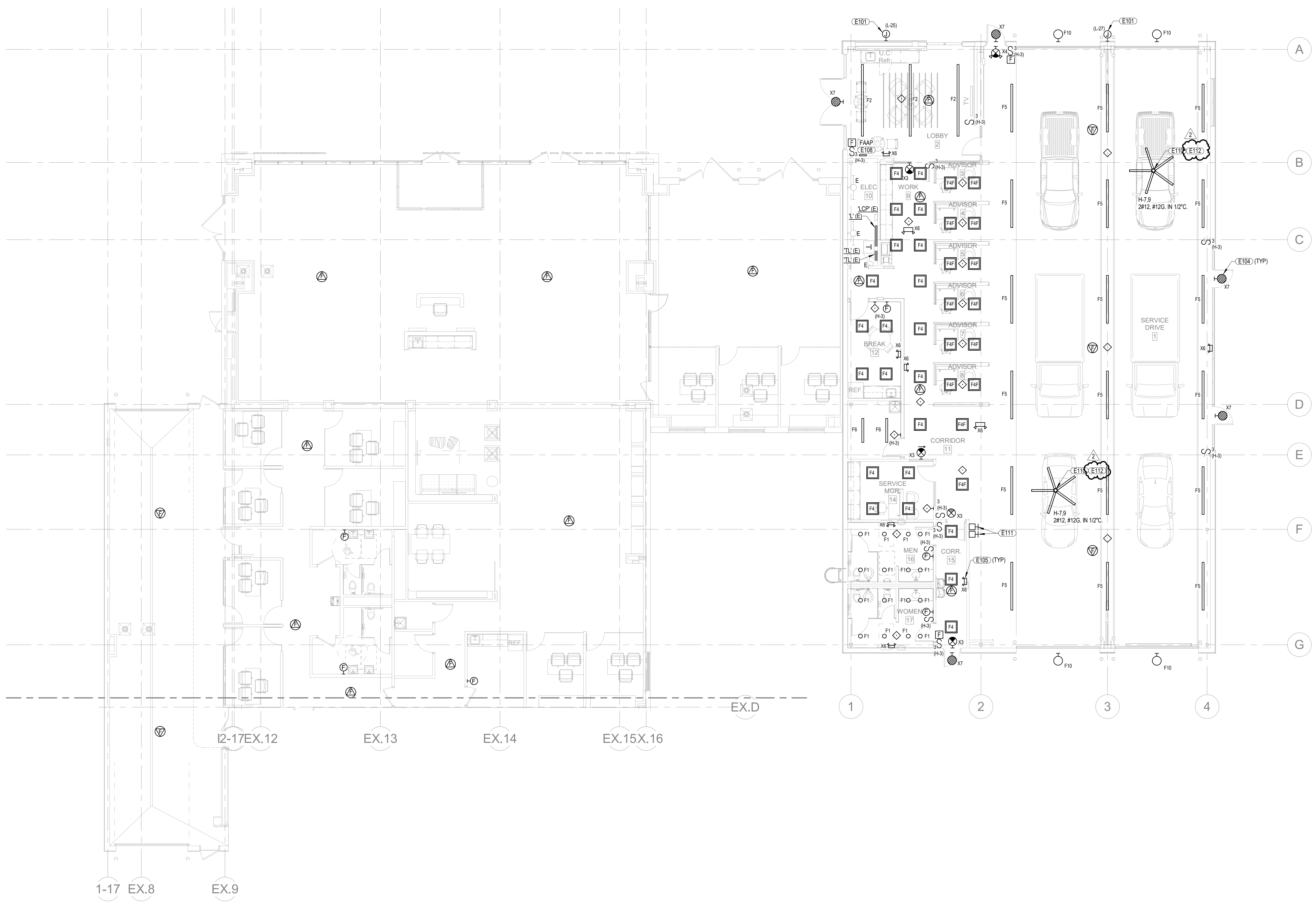
**WOODHOUSE FORD
 PRO: BUILDING
 IMPROVEMENTS**

PROJECT: 23043 DATE: JANUARY 19, 2024
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**FLOOR PLAN -
 LIGHTING - AREA A**

- KEYNOTES**
- E101 PROVIDE FINAL CONNECTION TO SIGNAGE. COORDINATE LOCATION AND ALL REQUIREMENTS WITH SIGN CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE AN APPROPRIATE LOCAL DISCONNECTING MEANS MOUNTED IN AN ACCESSIBLE, INCONSPICUOUS LOCATION THAT IS WITHIN SIGHT OF THE SIGN. CIRCUIT SIGN THROUGH EXISTING LIGHTING CONTROL PANEL.
 - E104 CIRCUIT ALL EXTERIOR LIGHTING IN AREA A TO PANEL #1 THROUGH EXISTING LIGHTING CONTROL PANEL. COORDINATE THE TIME OF DAY SCHEDULING WITH ALL OTHER EXTERIOR LIGHTING THROUGHOUT THE BUILDING.
 - E105 CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTING UNITS TO GENERAL LIGHTING CIRCUIT SERVING AREA AHEAD OF ALL SWITCHING AND DIMMING CONTROL. PROVIDE SENSING CONNECTIONS AS REQUIRED FOR OPERATION OF ALL EMERGENCY LIGHTING DEVICES. FOR LUMINAIRES WITH INTEGRAL BATTERIES, CONNECT BATTERY LEADS TO ROOM LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AND DIMMING CONTROL.
 - E108 PROVIDE 1/2" CONDUIT TO FACP.
 - E110 PROVIDE HVLS FAN, HUNTER ECO SERIES, 8 FT DIAMETER, 480V, 1 PHASE WITH VARIABLE SPEED DIGITAL TOUCH SCREEN CONTROLLER. PROVIDE WITH ALL MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. FIELD VERIFY FAN LOCATION AND MAINTAIN ALL REQUIRED CLEARANCES.
 - E111 INSTALL VARIABLE SPEED DIGITAL TOUCH SCREEN CONTROLLER FURNISHED
 - E112 PROVIDE FIRE ALARM RELAY TO SHUT DOWN FAN UPON ACTIVATION OF FIRE ALARM.



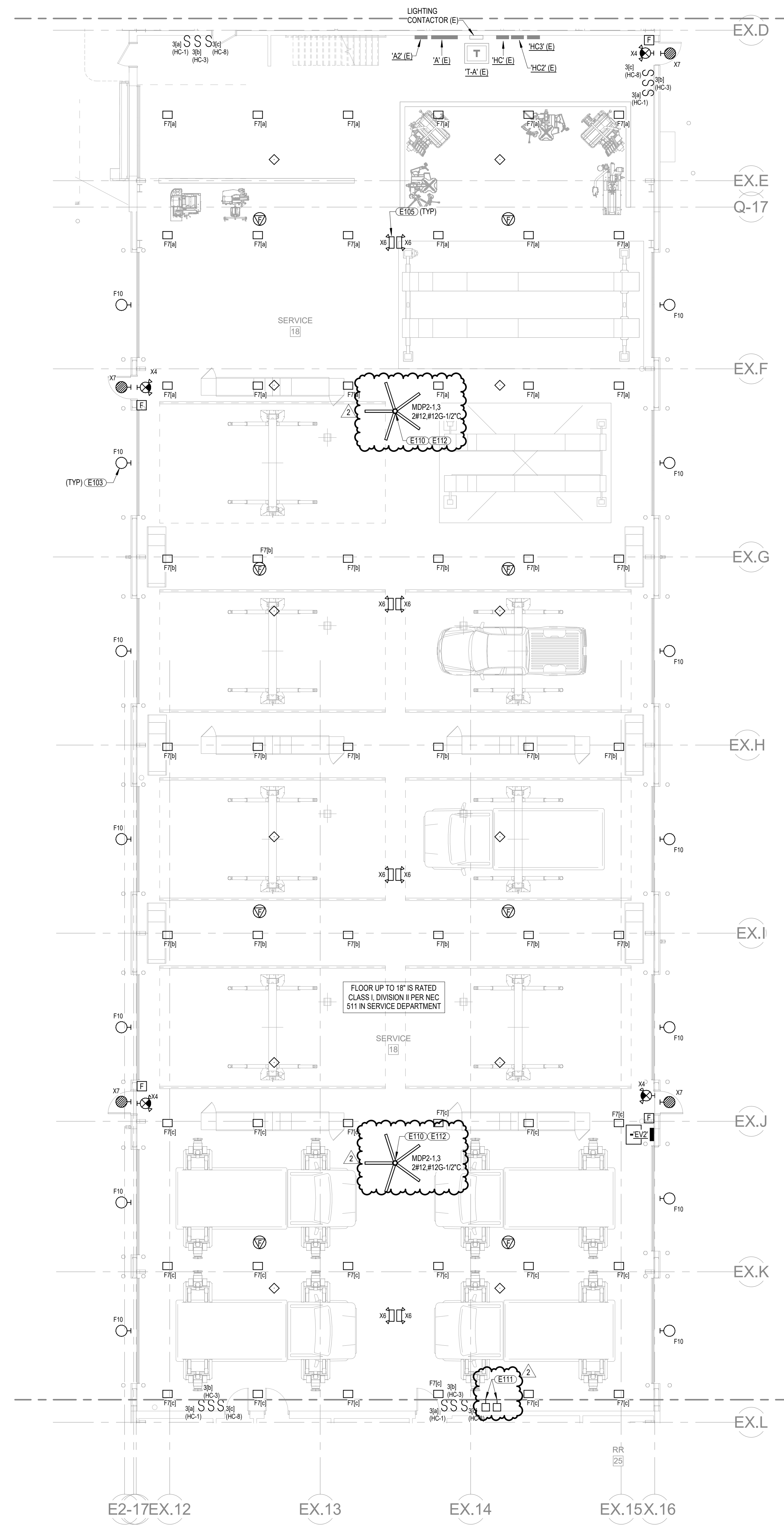
1 FIRST FLOOR - LIGHTING - AREA A
 1/8" = 1'-0"

Vertical scale bars on the left side of the drawing, showing scales in inches and feet for different sections of the plan.

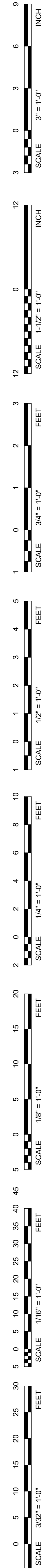
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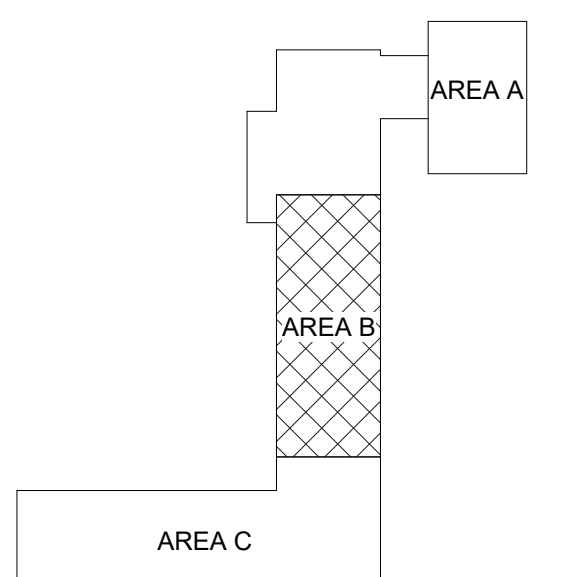
- KEYNOTES**
- E103 CIRCUIT ALL EXTERIOR LIGHTING IN AREA B TO PANEL HC THROUGH EXISTING LIGHTING CONTACTORS. COORDINATE THE TIME OF DAY SCHEDULING WITH ALL OTHER EXTERIOR LIGHTING THROUGHOUT THE BUILDING.
 - E105 CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTING UNITS TO GENERAL LIGHTING CIRCUIT SERVING AREA AHEAD OF ALL SWITCHING AND DIMMING CONTROLS. PROVIDE SENSING CONNECTIONS AS REQUIRED FOR OPERATION OF ALL EMERGENCY LIGHTING DEVICES. FOR LUMINAIRES WITH INTEGRAL BATTERIES, CONNECT BATTERY LEADS TO ROOM LIGHTING CIRCUIT AHEAD.
 - E110 PROVIDE HLS FAN, HUNTER ECOO SERIES, 8 FT DIAMETER, 48V, 1 PHASE WITH VARIABLE SPEED DIGITAL TOUCH SCREEN CONTROLLER. PROVIDE WITH ALL MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. FIELD VERIFY FAN LOCATION AND MAINTAIN ALL REQUIRED CLEARANCES.
 - E111 INSTALL VARIABLE SPEED DIGITAL TOUCH SCREEN CONTROLLER FURNISHED WITH HLS FAN.
 - E112 PROVIDE FIRE ALARM RELAY TO SHUT DOWN FAN UPON ACTIVATION OF FIRE ALARM.



1 FIRST FLOOR - LIGHTING - AREA B
 1/8" = 1'-0"

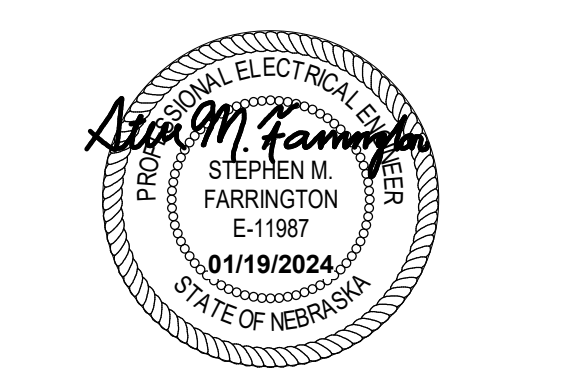


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WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

PROJECT: 23043 DATE: JANUARY 19, 2024
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FLOOR PLAN - LIGHTING - AREA B

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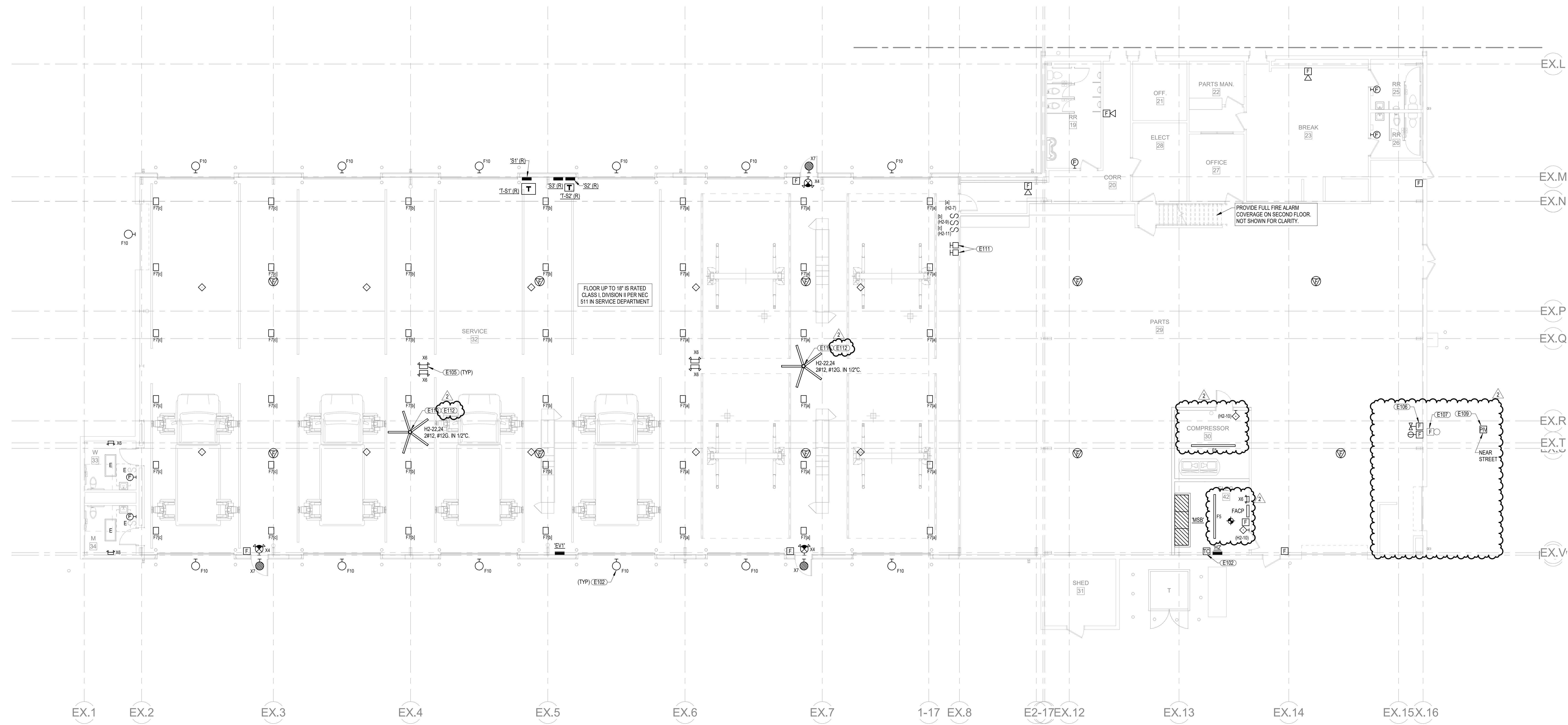
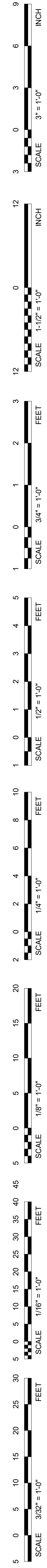
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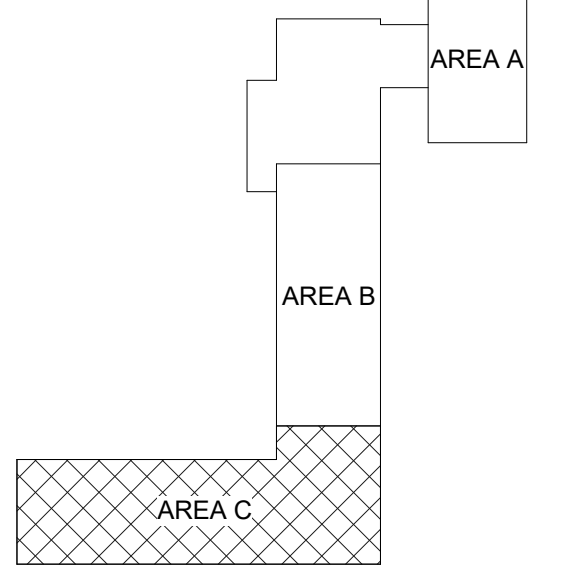
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KEYNOTES

- E102 PROVIDE TIMELOCK AND CIRCUIT ALL EXTERIOR LIGHTING IN AREA C TO PANEL H2 THROUGH TIMELOCK. COORDINATE THE TIME OF DAY SCHEDULING WITH ALL OTHER EXTERIOR LIGHTING THROUGHOUT THE BUILDING.
- E105 CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTING UNITS TO GENERAL LIGHTING CIRCUIT SERVING AREA AHEAD OF ALL SWITCHING AND DIMMING CONTROL. PROVIDE SENSING CONNECTIONS AS REQUIRED FOR OPERATION OF ALL EMERGENCY LIGHTING DEVICES. FOR LUMINAIRES WITH INTEGRAL BATTERIES, CONNECT BATTERY LEADS TO ROOM LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AND DIMMING CONTROL.
- E106 PROVIDE TAMPER AND FLOW SWITCH FOR NEW FIRE SERVICE ENTRANCE AND FOR EACH SPRINKLER VALVE STATION REQUIRED TO BE SUPERVISED.
- E107 PROVIDE EXTERIOR WEATHERPROOF NOTIFICATION APPLIANCE MOUNTED DIRECTLY ABOVE THE FIRE DEPARTMENT CONNECTION POINT. COORDINATE THE LOCATION OF THE FIRE DEPARTMENT CONNECTION POINT WITH THE FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
- E109 PROVIDE F.A. WIRING IN 1" CONDUIT FROM FIRE ALARM CONTROL PANEL TO ELECTRONICALLY SUPERVISED POST INDICATOR VALVE. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS WITH FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
- E110 PROVIDE HVLS FAN, HUNTER ECO SERIES, 8 FT DIAMETER, 480V, 1 PHASE WITH VARIABLE SPEED DIGITAL TOUCH SCREEN CONTROLLER. PROVIDE WITH ALL MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. FIELD VERIFY FAN LOCATION AND MAINTAIN ALL REQUIRED CLEARANCES.
- E111 INSTALL VARIABLE SPEED DIGITAL TOUCH SCREEN CONTROLLER FURNISHED BY OTHERS.
- E112 PROVIDE FIRE ALARM RELAY TO SHUT DOWN FAN UPON ACTIVATION OF FIRE ALARM.



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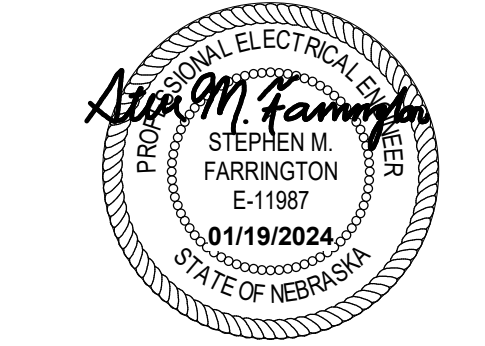
1 FIRST FLOOR - LIGHTING - AREA C
1/8" = 1'-0"

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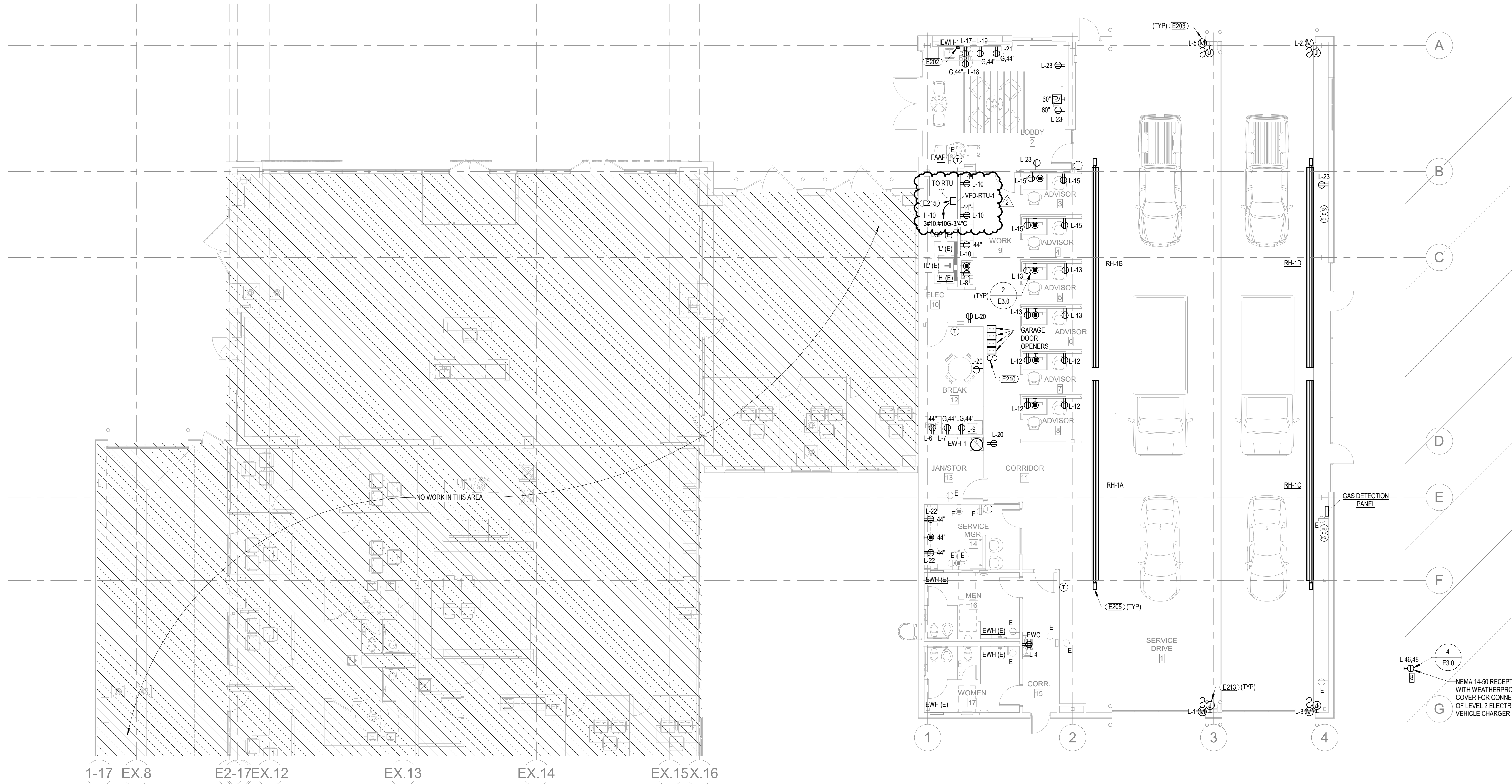
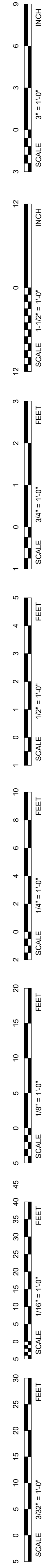


FLOOR PLAN - LIGHTING - AREA C

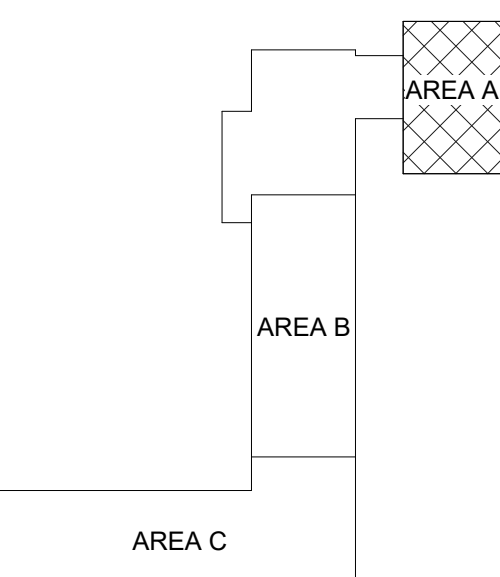
KEYNOTES

- E202 PROVIDE FINAL CONNECTION TO INSTANTANEOUS WATER HEATER. THE REQUIRED DISCONNECTING MEANS SHALL CONSIST OF PADLOCK ACCESSORY ON CIRCUIT BREAKER SERVING WATER HEATER BRANCH CIRCUIT TO LOCK CIRCUIT BREAKER IN OPEN (OFF) POSITION. COORDINATE ALL REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- E203 PROVIDE FINAL CONNECTION TO GARAGE DOOR OPENER. PROVIDE ALL PUSHBUTTONS AND UNDER CONCRETE LOOPS AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- E205 PROVIDE FINAL 120V CONNECTION TO GAS FIRED RADIANT HEATER.
- E210 PROVIDE JUNCTION BOX FOR TOGGLE SWITCH DOOR CONTROLLER (FURNISHED BY OTHERS). TOGGLE SWITCH DEACTIVATES OVERHEAD DOOR SENSORS FOR DOORS WITHIN THIS ROOM. COORDINATE ROUGH-IN REQUIREMENTS WITH DOOR SUPPLIER.
- E213 OVERHEAD DOOR CONTROL JUNCTION BOX PROVIDE 4" SQUARE JUNCTION BOX MOUNTED AT 24" AFF FOR CONTROL. CONDUIT CONNECTIONS. ELECTRICAL CONTRACTOR SHALL INSTALL ALL DOOR SENSORS ASSOCIATED WITH OVERHEAD DOORS INCLUDING MOTION DETECTORS AND THROUGH-BEAM PHOTOCELLS. COORDINATE CONNECTION REQUIREMENTS WITH DOOR SUPPLIER.

E215 PROVIDE FINAL CONNECTION TO EXISTING RTU THROUGH NEW VFD. COORDINATE ALL CONNECTIONS WITH EQUIPMENT MANUFACTURER AND MECHANICAL CONTRACTOR.

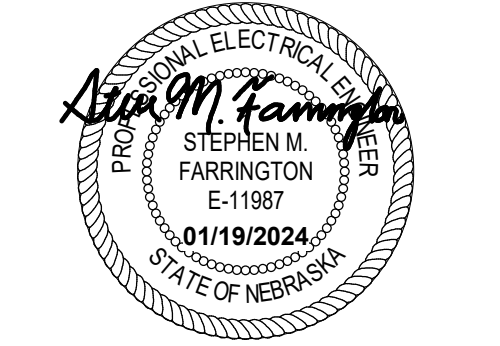


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WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

PROJECT: 23043 DATE: JANUARY 19, 2024
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FIRST FLOOR PLAN - POWER - AREA A



1 FIRST FLOOR - POWER - AREA A
 1/8" = 1'-0"

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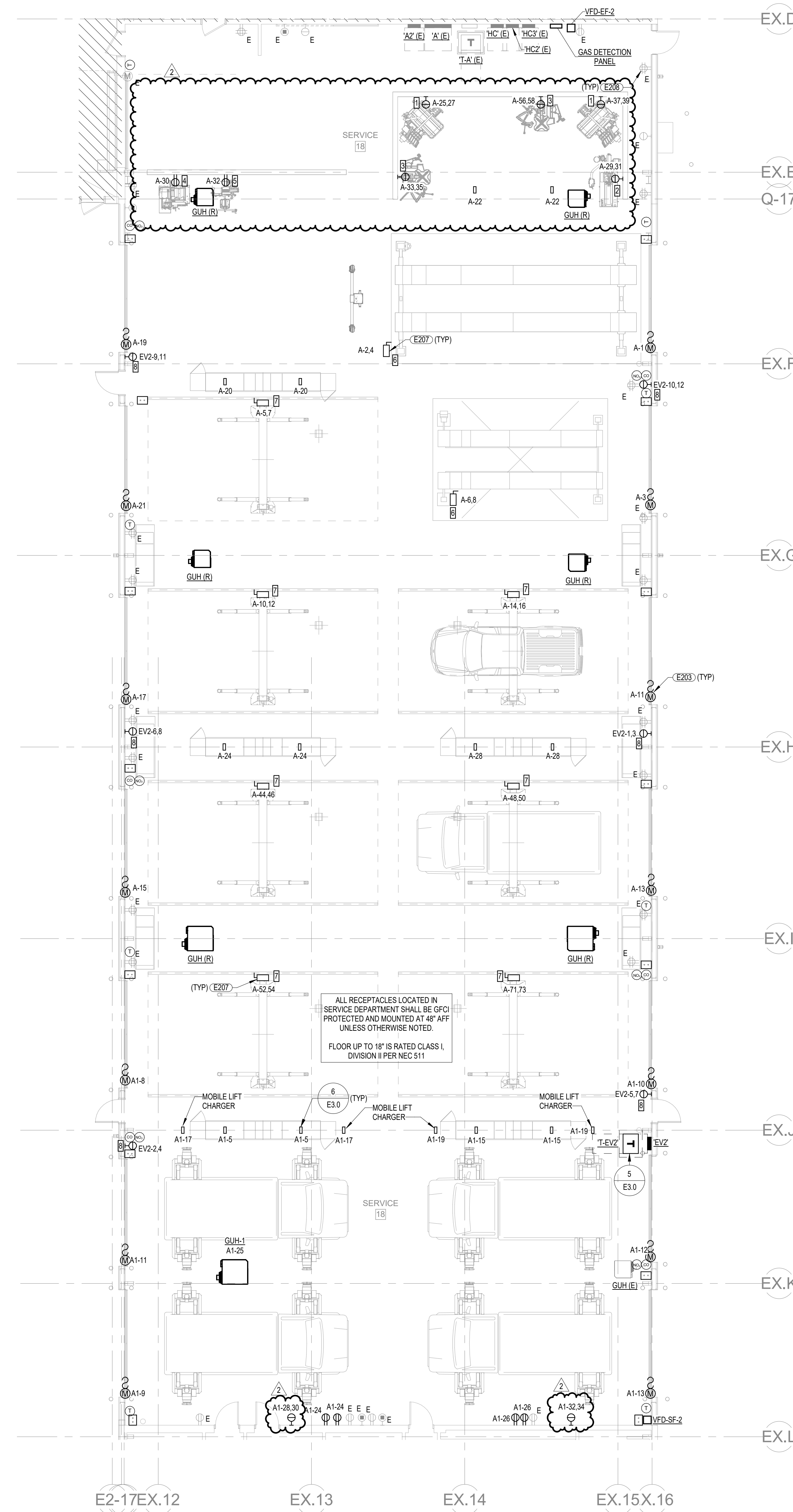
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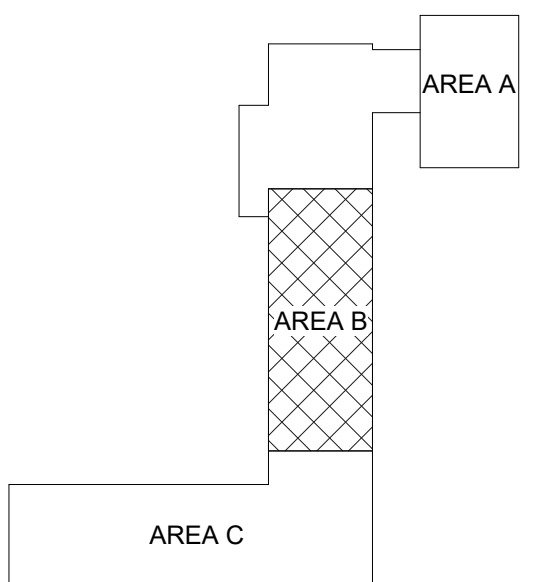
KEYNOTES

- E203 PROVIDE FINAL CONNECTION TO GARAGE DOOR OPENER. PROVIDE ALL PUSHBUTTONS AND UNDER CONCRETE LOOPS AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- E207 PROVIDE FINAL CONNECTION TO LIFT. COORDINATE LOCATION OF CONNECTION POINT WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. SEE EQUIPMENT CONNECTION SCHEDULE FOR MORE INFORMATION.
- E208 REMOVE EXISTING RECEPTACLE AND REPLACE WITH GFCI RECEPTACLE. TYPICAL OF ALL EXISTING RECEPTABLES.



ALL RECEPTABLES LOCATED IN SERVICE DEPARTMENT SHALL BE GFCI PROTECTED AND MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED.
 FLOOR UP TO 18" IS RATED CLASS I DIVISION II PER NEC 511

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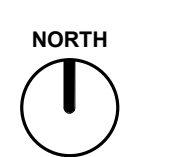


WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

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FIRST FLOOR PLAN - POWER - AREA B



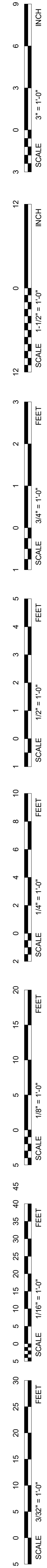
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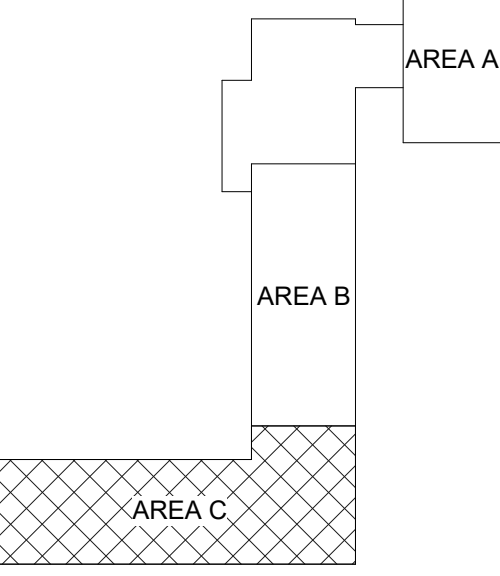
1 FIRST FLOOR - POWER - AREA B
 1/8" = 1'-0"



KEYNOTES

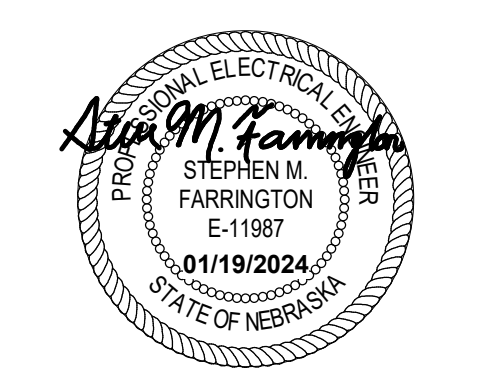
- E203 PROVIDE FINAL CONNECTION TO GARAGE DOOR OPENER. PROVIDE ALL PUSHBUTTONS AND UNDER CONCRETE LOOPS AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- E204 INTERCEPT AND EXTEND EXISTING CIRCUITS TO REMAIN FROM PREVIOUS LOCATION TO PANEL'S NEW LOCATION.
- E207 PROVIDE FINAL CONNECTION TO LIFT. COORDINATE LOCATION OF CONNECTION POINT WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. SEE EQUIPMENT CONNECTION SCHEDULE FOR MORE INFORMATION.
- E211 PROVIDE UNDERGROUND SECONDARY CONDUITS AND CONDUCTORS. COORDINATE OPENING OF UTILITY TRANSFORMER WITH OPPO. SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- E214 INTERCEPT AND EXTEND EXISTING CIRCUIT TO RELOCATED EQUIPMENT. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

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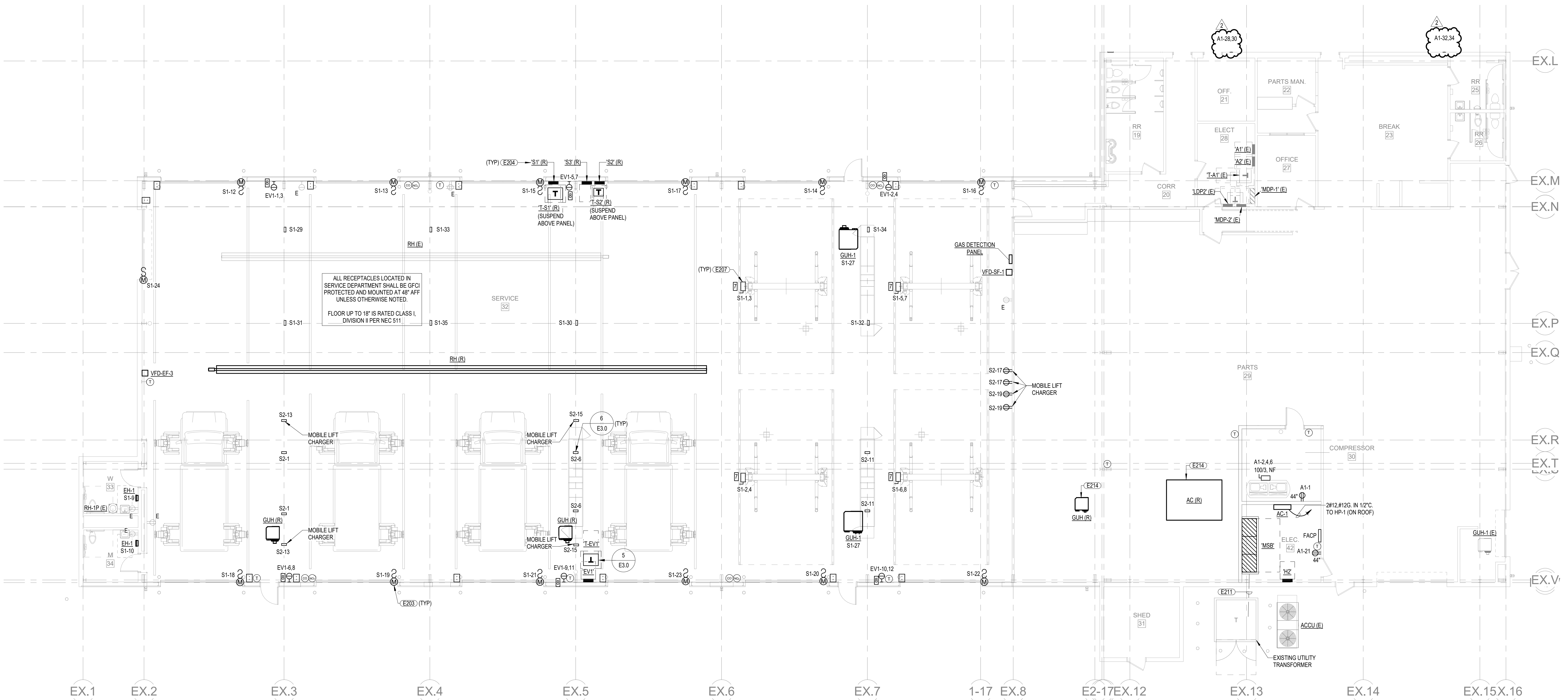
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FIRST FLOOR PLAN - POWER - AREA C

E2.3



ALL RECEPTACLES LOCATED IN SERVICE DEPARTMENT SHALL BE GFCI PROTECTED AND MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED.
 FLOOR UP TO 18" IS RATED CLASS 1, DIVISION II PER NEC 511

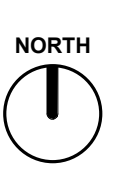
1 FIRST FLOOR - POWER - AREA C
 1/8" = 1'-0"

MEI PROJECT NO. 23416

morrissey engineering inc
 mechanical | electrical | lighting | technology | sustainability
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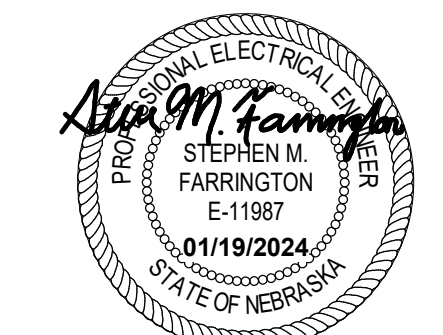
note:
 do not scale drawings. verify all dimensions and clearances from architectural, structural, shop and other appropriate drawings or at site. lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. do not fabricate prior to verification of clearance for all trades.



REVISIONS SCHEDULE		
MARK	DATE	DESCRIPTION
1	02/01/2024	Addendum 01
2	02/07/2024	Addendum 02

WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

PROJECT: 23043 DATE: JANUARY 19, 2024
PROJECT STATUS: CONSTRUCTION DOCUMENTS



ELECTRICAL SCHEDULES AND DIAGRAMS

NORTH

E4.0

MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LIGHT SOURCE			ELECTRICAL		FINISH	MOUNTING	REMARKS	
				SPEC.	CCT	TYPE	LOAD	VOLTS				
F1	8" ROUND DOWNLIGHT	COOPER	RTN-HC515D10-HM12840-1WCH	7500 LM	4000 K	LED	14 W	277 V	CLEAR	RECESSED	NOTE 1	
F2	12" SUSPENDED LINEAR	COOPER	RTN-SQ4-3U-0763-840-D-UNV-STD-W-12	9000 K	4000 K	LED	52 W	277 V	WHITE	SUSPENDED	NOTE 1	
F4	242 TROFFER	COOPER	RTN-22C2-32-S-UNV-L840-CD1-U	3200 LM	4000 K	LED	24 W	277 V	WHITE	RECESSED	NOTE 1	
F4F	242 TROFFER	COOPER	RTN-22C2-32-S-UNV-L840-CD1-U-DF-Z2W-U	3200 LM	4000 K	LED	24 W	277 V	WHITE	RECESSED	NOTE 1	
F5	8" SERVICE DRIVE STRIP	COOPER	RTN-S1SN-ED-D5-88SL-LW-UNV-L840-CD1	8800 LM	4000 K	LED	61 W	277 V	WHITE	SUSPENDED	NOTE 1	
F6	4" STRIP LIGHT	COOPER	RTN-4SN-ED-D5-48SL-LW-UNV-L840-CD1	4400 LM	4000 K	LED	31 W	277 V	WHITE	SUSPENDED	NOTE 1	
F7	HIGHBAY	COOPER	RTN-VHBC-24-N-LINV-L850-CDU	24,000 LM	5000 K	LED	174 W	277 V	WHITE	SUSPENDED	NOTE 1	
F10	EXTERIOR WALL PACK	COOPER	RTN-GWC-SABZ-750-U-T3-DP	6105 LM	5000 K	LED	44 W	277 V	DARK PLATINUM	WALL	NOTE 1	
X3	SINGLE FACE EXIT SIGN	COOPER	RTN-LLPX5D	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	LED	2 W	277 V	WHITE	NOTE 2	
X4	SINGLE FACE EXIT SIGN	COOPER	RTN-APXEL7HR	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	LED	2 W	277 V	WHITE	NOTE 2	
X6	LED BATTERY LIGHT	COOPER	RTN-SEL5SD	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	LED	2 W	277 V	WHITE	NOTE 1	
X7	EXTERIOR BATTERY LIGHT	COOPER	RTN-SELWA26SD	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	FURN. W/ LUMINAIRE	LED	4 W	277 V	SILVER	WALL	NOTE 1

GENERAL REQUIREMENTS:

- CONTRACTOR SHALL VERIFY CATALOG NUMBERS AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED INSTALLATION.
- CONTRACTOR SHALL COORDINATE CEILING TRIM OPTIONS FOR LUMINAIRES INSTALLED IN GRID-TYPE SUSPENDED CEILINGS. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- UNLESS NOTED OTHERWISE REFER TO PLANS FOR SUSPENSION LENGTHS REQUIRED FOR ALL SUSPENDED LUMINAIRES.

LUMINAIRE SCHEDULE NOTES:

- PRICING AND SPECIFICATION ASSISTANCE: DAN RODRIGUEZ - CED AUTOMOTIVE dan@rodriguezcedstc.com / 562.964.5995
- REFER TO PLANS FOR MOUNTING REQUIREMENTS SUCH AS WALL MOUNT, END MOUNT, CEILING MOUNT AND PROVIDE LUMINAIRES ACCORDINGLY. PROVIDE DIRECTIONAL CHEVRON ARROWS AS INDICATED ON PLANS.

PLAN TAG	VOLTAGE	PHASE	DISCONNECT	CIRCUIT	WIRE AND CONDUIT	REMARKS
EH-1	120 V	1	INTEGRAL	S1-10	3#12-#12G-12"C	
EH-1	120 V	1	INTEGRAL	S1-8	2#12-#12G-12"C	
RH	120 V	1	TOGGLE	S1-25	2#12-#12G-12"C	NOTE 4
RH-1A	120 V	1	TOGGLE	L-24	2#12-#12G-12"C	NOTE 4
AG-1	208 V	1	INTEGRAL	A1-40,42	2#12-#12G-12"C	VIA HP-1"
RH-1B	120 V	1	TOGGLE	L-24	2#12-#12G-12"C	NOTE 4
RH-1C	120 V	1	TOGGLE	L-24	2#12-#12G-12"C	NOTE 4
RH-1D	120 V	1	TOGGLE	L-24	2#12-#12G-12"C	NOTE 4
EF-1	208 V	1	302, N.F., NEMA 3R	L-29,31	2#12-#12G-12"C	NOTE 1
EF-2	480 V	3	303, N.F., NEMA 3R	HC2-1,3,5	3#12-#12G-12"C	NOTE 1,2
EF-3	480 V	3	303, N.F., NEMA 3R	HC2-1,3,5	3#12-#12G-12"C	NOTE 1,2
EF-4	120 V	1	WP TOGGLE	L-26	2#12-#12G-12"C	NOTE 1
EF-5	120 V	1	WP TOGGLE	A1-27	2#12-#12G-12"C	NOTE 1
EW-1	277 V	1	TOGGLE	H-2	2#12-#12G-12"C	
GAS DETECTION PANEL	120 V	1	INTEGRAL	L-33	2#12-#12G-12"C	
GAS DETECTION PANEL	120 V	1	INTEGRAL	A-36	2#12-#12G-12"C	
GAS DETECTION PANEL	120 V	1	INTEGRAL	S1-26	2#12-#12G-12"C	
HP-1	208 V	1	302, N.F., NEMA 3R	A1-40,42	2#12-#12G-12"C	
IEWH-1	277 V	1	NOTE 3	H-1	2#6-#10G-1"C	
SF-1	480 V	3	303, N.F., NEMA 3R	HC2-2,4,6	3#12-#12G-12"C	NOTE 1,2
SF-2	480 V	3	303, N.F., NEMA 3R	HC2-7,9,11	3#12-#12G-12"C	NOTE 1,2
VFD-EF-2	480 V	3	INTEGRAL	HC2-1,3,5	3#12-#12G-12"C	
VFD-EF-3	480 V	3	INTEGRAL	HC2-1,3,5	3#12-#12G-12"C	
VFD-RTU-1	480 V	3	INTEGRAL	H-10,12,14	3#10-#10G-3/4"C	
VFD-SF-2	480 V	3	INTEGRAL	HC2-7,9,11	3#12-#12G-12"C	

NOTES:

- INTERLOCK FAN WITH ASSOCIATED MOTORIZED DAMPER. DAMPER SHALL BE AT SAME VOLTAGE AS FAN.
- PROVIDE CIRCUIT TO ASSOCIATED VFD IN BAY BELOW. PROVIDE FINAL WIRING FROM VFD TO FAN. SEE PLANS FOR LOCATION OF VFD'S.
- PROVIDE FINAL CONNECTION TO INSTANTANEOUS WATER HEATER. THE REQUIRED DISCONNECTING MEANS SHALL CONSIST OF PADLOCK ACCESSORY ON CIRCUIT BREAKER SERVING WATER HEATER BRANCH CIRCUIT TO LOCK CIRCUIT BREAKER IN OPEN (OFF) POSITION. COORDINATE ALL REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO PROCEEDING.
- PROVIDE FINAL CONNECTION TO SPARK IGNITER. PROVIDE 120V WIRING TO CONTROL PANELS AND THERMOSTATS. SEE MECHANICAL PLANS FOR LOCATIONS.

MARK	MANUFACTURER	CATALOG NUMBER	WATTS	VOLTAGE	PHASE	REMARKS
EH-1	KING	PAW1215-W-TKIT-1-TP	1500 VA	120 V	1	

NOTES:

- PROVIDE WITH INTEGRAL SERVICE DISCONNECT AND THERMOSTAT. INSTALL PER MANUFACTURERS INSTRUCTIONS.

MARK	ITEM	VOLTAGE	PH	HP (KW)	AMPS	CONNECTION		WIRE, GROUND, CONDUIT	REMARKS
						DISCONNECT	CORD AND PLUG		
1	WHEEL BALANCER	208 V	1		10		L6-20R	2#12-#12G-12"C	
2	RIM CLAMP TIRE CHANGER	208 V	1		6		L6-20R	2#12-#12G-12"C	
3	TIRE CHANGER	208 V	1		20		L6-20R	2#12-#12G-12"C	
4	BENCH LATHE	120 V	1		15		5-15R	2#12-#12G-12"C	
5	BRAKE LATHE	120 V	1		15		5-15R	2#12-#12G-12"C	
6	FOUR POST LIFT	208 V	1	3			602, NF	2#6-#10G-1"C	
7	TWO POST LIFT	208 V	1	4			602, NF	2#6-#10G-1"C	
8	CAR CHARGER RECEPTACLE	208 V	1		50		14-50R	3#6-#10G-1"C	

FEEDER	WIRE AND CONDUIT
100-4	4-#2, #6 G-1-1/2"C
100-4T	4-#1, #6 G-1-1/2"C
125-3	3-#1, #6 G-1-1/2"C
225-4T	4-#4, #2 G-2-1/2"C
800-4	4-#00 KCMIL, #1.0 G IN EACH OF (2), 4"C
1200-4S	4-#00 KCMIL IN EACH OF (4), 3"C

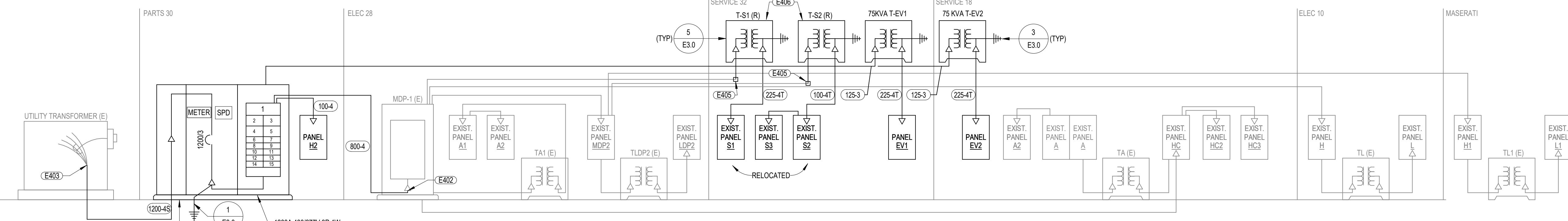
KEYNOTES

- PROVIDE 3-1/2" THICK CONCRETE HOUSEKEEPING PAD WITH 3/4" CHAMFER EDGE AROUND ALL SIDES EXCEPT THOSE ABUTTING A WALL.
- REMOVE MAIN BONDING JUMPER FROM EXISTING MAIN DISTRIBUTION PANEL.
- COORDINATE THE OPENING OF THE UTILITY TRANSFORMER FOR THE REMOVAL OF EXISTING SERVICE FEEDERS AND THE CONNECTION OF NEW SERVICE FEEDERS WITH OPPO. COORDINATE THE CUTOVER FROM EXISTING TO NEW SERVICE WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK.
- REMOVE EXISTING SERVICE FEEDERS. CAP AND ABANDON CONDUIT UNDERGROUND.
- INTERCEPT AND EXTEND EXISTING FEEDERS TO NEW TRANSFORMER LOCATION.
- PROVIDE LOCKABLE UPSTREAM BREAKERS FOR RELOCATED TRANSFORMERS.

SWITCHBOARD SCHEDULE			
Panel: MSB		Rating: 1200 A	A.I.C. Rating: 35000
Type: MAIN CKT. BKR. W/GND.		Volts: 480/277	
Integral SPD: YES		Phases: 3	S.E. Rated: YES
		Wires: 4	
CKT	NAMEPLATE DESIGNATION	RATING	Comments
1	MDP-1	800 A	3
2	SPARE	400 A	3
3	SPARE	400 A	3
4	SPACE	400 A	3
5	SPACE	400 A	3
6	SPARE	225 A	3
7	SPARE	225 A	3
8	XFMR T-EV1	125 A	3 LOCKABLE BREAKER
9	XFMR T-EV2	125 A	3 LOCKABLE BREAKER
10	H2	100 A	3
11	SPARE	100 A	3
12	SPARE	100 A	3
13	SPACE	100 A	3
14	SPACE	100 A	3

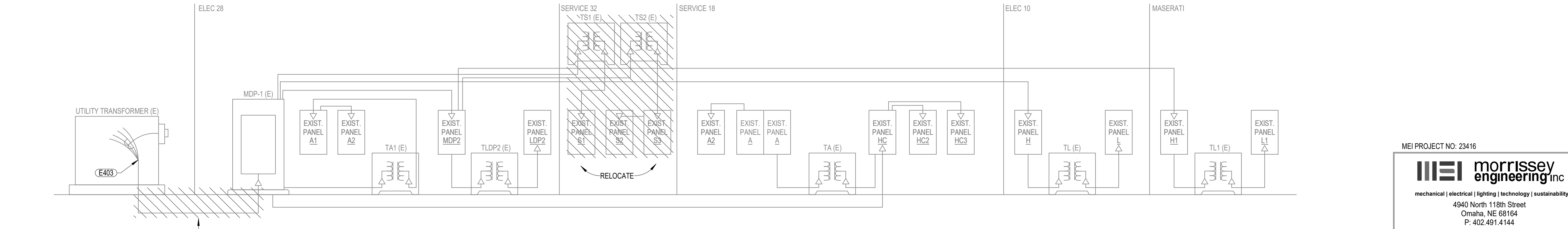
Notes:

- THE CURRENT LIMITING PLUG IN THE CIRCUIT BREAKER OR THE BREAKER ITSELF MUST BE THE NEXT LOGICAL SIZE ABOVE THE SERVICE CONDUCTOR SIZE.
- A PERMANENT "RED" ENGRAVED PHENOLIC PLATE MUST BE INSTALLED ON OR ABOVE THE MAIN CIRCUIT BREAKER WITH THE FOLLOWING INFORMATION:
 - SERVICE SIZE - PER NEC.
 - ALL PROGRAMMED BREAKER SETTINGS.
 - "CAUTION - ANY CHANGES TO THESE SETTINGS COULD BE A POTENTIAL RISK TO LIFE AND PROPERTY".
- PROVIDE AN ARC ENERGY REDUCING MAINTENANCE SWITCH FOR EACH CIRCUIT BREAKER FRAME SIZE 1200 AMPS AND LARGER.



2 ELECTRICAL RISER DIAGRAM - NEW

NOT TO SCALE



1 ELECTRICAL RISER DIAGRAM - EXISTING

NOT TO SCALE

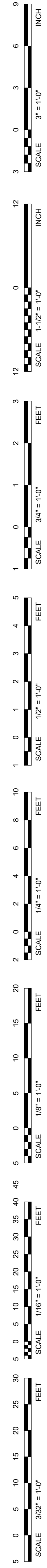
MEI PROJECT NO. 23416

MEI morrissey engineering inc
mechanical | electrical | lighting | technology | sustainability

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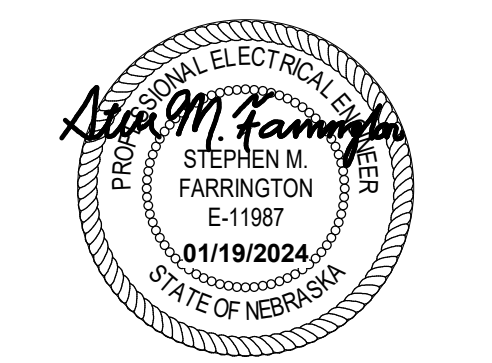
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REVISIONS SCHEDULE table with columns: MARK, DATE, DESCRIPTION

WOODHOUSE FORD PRO: BUILDING IMPROVEMENTS

PROJECT: 23043 DATE: JANUARY 19, 2024
PROJECT STATUS: CONSTRUCTION DOCUMENTS



ELECTRICAL PANEL SCHEDULES

LIGHTING PANEL SCHEDULE table for Panel: EV1, Rating: 225 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like EVSE, SPARE, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: HC3, Rating: 225 A, Voltage: 480/277, Phase: 3, Wires: 4. Includes circuit descriptions like EX LGT LOAD, SF-2, and options.

LIGHTING PANEL SCHEDULE table for Panel: H2, Rating: 100 A, Voltage: 480/277, Phase: 3, Wires: 4. Includes circuit descriptions like EF-3, SF-1, and options.

RELOCATED LIGHTING PANEL SCHEDULE table for Panel: S1, Rating: 200 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like TWO POST LIFT, REC - ROOFTOP REC, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: A2, Rating: 100 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like MAIN BREAKER (E), SPARE, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: HC2, Rating: 225 A, Voltage: 480/277, Phase: 3, Wires: 4. Includes circuit descriptions like EF-2, SF-2, and options.

RELOCATED LIGHTING PANEL SCHEDULE table for Panel: S3, Rating: 125 A, Voltage: 120/208, Phase: 1, Wires: 4. Includes circuit descriptions like SPARE, and options.

RELOCATED LIGHTING PANEL SCHEDULE table for Panel: S2, Rating: 100 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like WORKBENCH DROP CORDS, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: A2, Rating: 100 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like SPARE, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: HC, Rating: 225 A, Voltage: 480/277, Phase: 3, Wires: 4. Includes circuit descriptions like SERVICE BAY LTG, and options.

EXISTING DISTRIBUTION PANEL SCHEDULE table for Panel: MDP-1, Rating: 800 A, Voltage: 480/277, Phase: 3, Wires: 4. Includes circuit descriptions like CT, NAMEPLATE DESIGNATION, and comments.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: A1, Rating: 200 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like REC - AIR DRYER, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: H, Rating: 225 A, Voltage: 480/277, Phase: 3, Wires: 4. Includes circuit descriptions like IEWH-1, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: LDP2, Rating: 200 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like EX LOAD (E), and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: MDP-2, Rating: 225 A, Voltage: 480/277, Phase: 3, Wires: 4. Includes circuit descriptions like HVL5 FANS (N), and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: A, Rating: 225 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like GARAGE DOOR, and options.

LIGHTING PANEL SCHEDULE table for Panel: EV2, Rating: 225 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like EVSE, and options.

EXISTING LIGHTING PANEL SCHEDULE table for Panel: L, Rating: 150 A, Voltage: 120/208, Phase: 3, Wires: 4. Includes circuit descriptions like GARAGE DOOR, and options.

Vertical scale bars in inches and feet, ranging from 0 to 30 inches and 0 to 30 feet.

morrissy engineering inc. logo and contact information: 4940 North 118th Street, Omaha, NE 68154, P. 402.491.4144, Nebraska COA Number: CA-0835, www.morrissyengineering.com

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