

A TENNANT FINISH FOR:

SHAB HOLDINGS, LLC

1856 KAMAR PLAZA
STEAMBOAT SPRINGS, COLORADO

LEGAL DESCRIPTION
LOT 2 KAMAR PLAZA
ZONING = CS

YVE

YAMPA VALLEY ENGINEERING, INC.

STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES

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970-870-9229
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PLANS FOR:

ZIRKEL WIRELESS

1856 KAMAR PLAZA
STEAMBOAT SPRINGS, COLORADO

JOB NO: 19-027

DRAWN: ECS

DATE: 11-25-19

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER

T-1

GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE SPECIFIED AND IN ACCORDANCE WITH ALL APPLICABLE CODES, PERMITS AND LAWS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL NEW CONSTRUCTION ON THE SITE
3. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS BEFORE STARTING WORK. IF A DISCREPANCY APPEARS BETWEEN CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS, NOTIFY YAMPA VALLEY ENGINEERING AT ONCE.
4. THE JOB SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDUCT. THE JOB SITE SHALL BE FREE OF DEBRIS AND TRASH. MATERIALS AND EQUIPMENT SHALL BE REASONABLY PLACED. EACH SUB-CONTRACTOR ON COMPLETION OF HIS/HER PHASE OF THE JOB SHALL REMOVE ALL DEBRIS,TRASH AND EQUIPMENT.
5. ALL MATERIALS AND EQUIPMENT ON THE JOB SITE SHALL BE STACKED AND PROTECTED PROPERLY TO PREVENT DAMAGES AND OR DETERIORATION.
6. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. ALL DIMENSIONS ARE TO FACE OF FRAMING AND FACE OF CONCRETE. ALL INTERIOR STUDS ARE TO BE 2X4 UNLESS OTHERWISE NOTED. ALL EXTERIOR STUDS ARE TO BE 2X6 UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL PROVIDE ALL BLOCKING, BACKING, AND FRAMING FOR LIGHT FIXTURES AND ELECTRICAL EQUIPMENT.
8. PROVIDE ALL ACCESS PANELS TO ALL ENCLOSED SPACES,VOIDS AND ATTICS AS REQUIRED BY GOVERNING CODES.

APPLICABLE CODES OF 2019

- 2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 INTERNATIONAL PLUMBING CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE
2017 NATIONAL ELECTRIC CODE

CODE ANALYSIS
YAMPA VALLEY ENGINEERING
P.O. BOX 772192
STEAMBOAT SPRINGS, CO 80477
970-870-9229

PROJECT LOCATION: 1856 KAMAR PLAZA

PROJECT DESCRIPTION: TO CHANGE OCCUPANCY FROM AN F-1 TO D
THIS CODE STUDY IS BASED ON THE 2015 INTERNATIONAL EXISTING BUILDING CODE

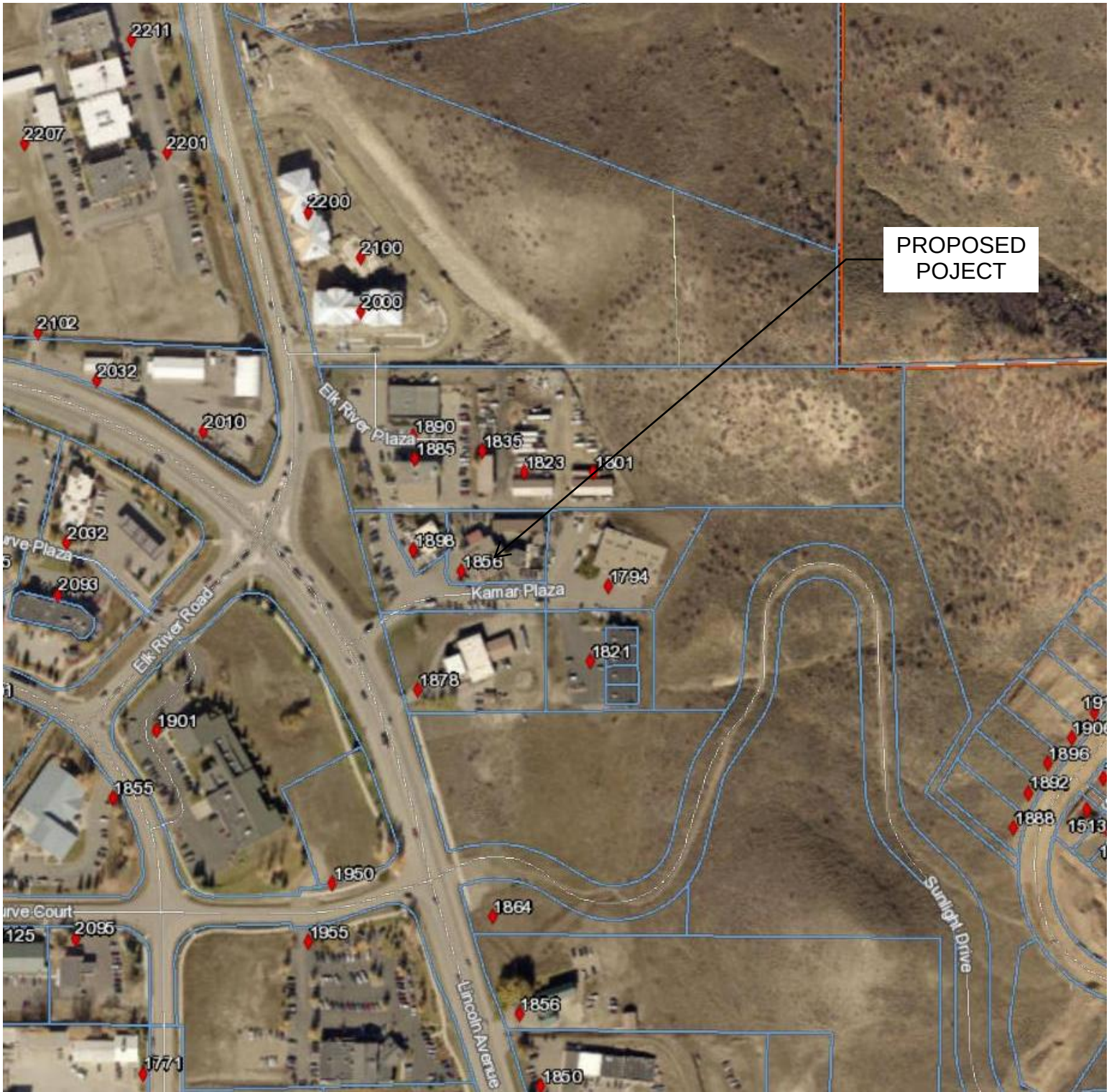
BASIC BUILDING DESCRIPTION:
TYPE OF CONSTRUCTION = III-NON-SPRINKLERED
NO FIRE SEPARATIONS REQUIRED

MEANS OF EGRESS HAZARD CATEGORIES
MEANS OF EGRESS FOR CHANGE OF USE TO EQUAL OR LOWER HAZARD CATEGORY AN F-1 TO A D IS THE SAME RELATIVE HAZARD. BA
EGRESS CAPACITY SHALL MEET OR EXCEED THE OCCUPANT LOAD AS SPECIFIED IN CHAPTER 10 OF THE IBC FOR THE NEW OCCUPANCY.

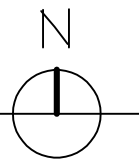
HEIGHTS & AREAS HAZARD CATEGORIES
PER IBC, 103.5.1 HEIGHT AND AREA FOR CHANGE TO EQUAL OR LESSER HAZARD CATEGORY
A CHANGE FROM AN F-1 TO A D IS A LESSER CATEGORY
WHEN A CHANGE OF OCCUPANCY CLASSIFICATION IS MADE TO AN EQUAL OR LESSER VALUE HAZARD CATEGORY AS SHOWN IN TABLE 103.5, THE HEIGHT AND AREA OF THE EXISTING BUILDING SHALL BE DEEMED ACCEPTABLE.
ACTUAL HEIGHT OF BUILDING = 35'-9" FT.

103.5.3 COMPLETE CHANGE OF OCCUPANCY
WHERE AN ENTIRE BUILDING UNDERGOES A CHANGE OF OCCUPANCY, IT SHALL COMPLY WITH SECTION 103.5, AND SHALL HAVE ALL OF THE FOLLOWING ACCESSIBLE FEATURES:

1. AT LEAST ONE ACCESSIBLE ENTRANCE: WE HAVE ONE ACCESSIBLE ENTRANCE
2. AT LEAST ONE ACCESSIBLE ROUTE FROM AN ACCESSIBLE BUILDING ENTRANCE TO PRIMARY FUNCTION AREAS: WE HAVE ONE ACCESSIBLE ROUTE
- 3.SIGNAGE COMPLYING WITH III (I) OF THE IBC.
4. ACCESSIBLE PARKING WHERE PARKING IS PROVIDED THERE IS ONE ACCESSIBLE SPACE
5. AT LEAST ONE ACCESSIBLE PASSENGER LOADING ZONE WHERE LOADING ZONES ARE PROVIDED, THERE IS ONE EXISTING LOADING PASSENGER ZONE.
6. AT LEAST ONE ACCESSIBLE ROUTE CONNECTING ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES TO AN ACCESSIBLE ENTRANCE: WE HAVE AN EXISTING PARKING SPACE, LOADING ZONE AND ENTRANCE.



VICINITY MAP



SYMBOLS	
	WINDOW TAG
	DOOR ID (TOP) DOOR WIDTH (BOTTOM)
	SECTION MARK
	DETAIL NUMBER W/ SHEET NUMBER
	EXHAUST FAN
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	FLOOR DRAIN
	ROOF SLOPE
	EL. = 102'-0" 1/2" PLYWOOD TOP OF ELEVATION

LEGEND	
	NATIVE SOILS OR STRUCTURAL FILL
	GRANULAR BACKFILL
	POST
	2x4 WALL
	2x6 WALL
	8" CONCRETE WALL
	RIGID INSULATION
	BATT INSULATION

SHEET INDEX

ARCHITECTURALS

- T-1 TITLE SHEET
A-0 INFO SHEET
C-1 SITE PLAN
A-1 PROPOSED ELEVATIONS
A-2 PROPOSED ELEVATIONS
A-3 EXISTING MAIN LEVEL FLOOR PLAN
A-4 PROPOSED MAIN LEVEL FLOOR PLAN

STRUCTURALS

- S-1 MAIN FLOOR FRAMING PLAN

MEP.

- M-1 MECHANICAL PLAN
M-2 MECHANICAL NOTES
P-1 PLUMBING PLAN
P-2 PLUMBING NOTES
E-1 ELECTRICAL PLAN

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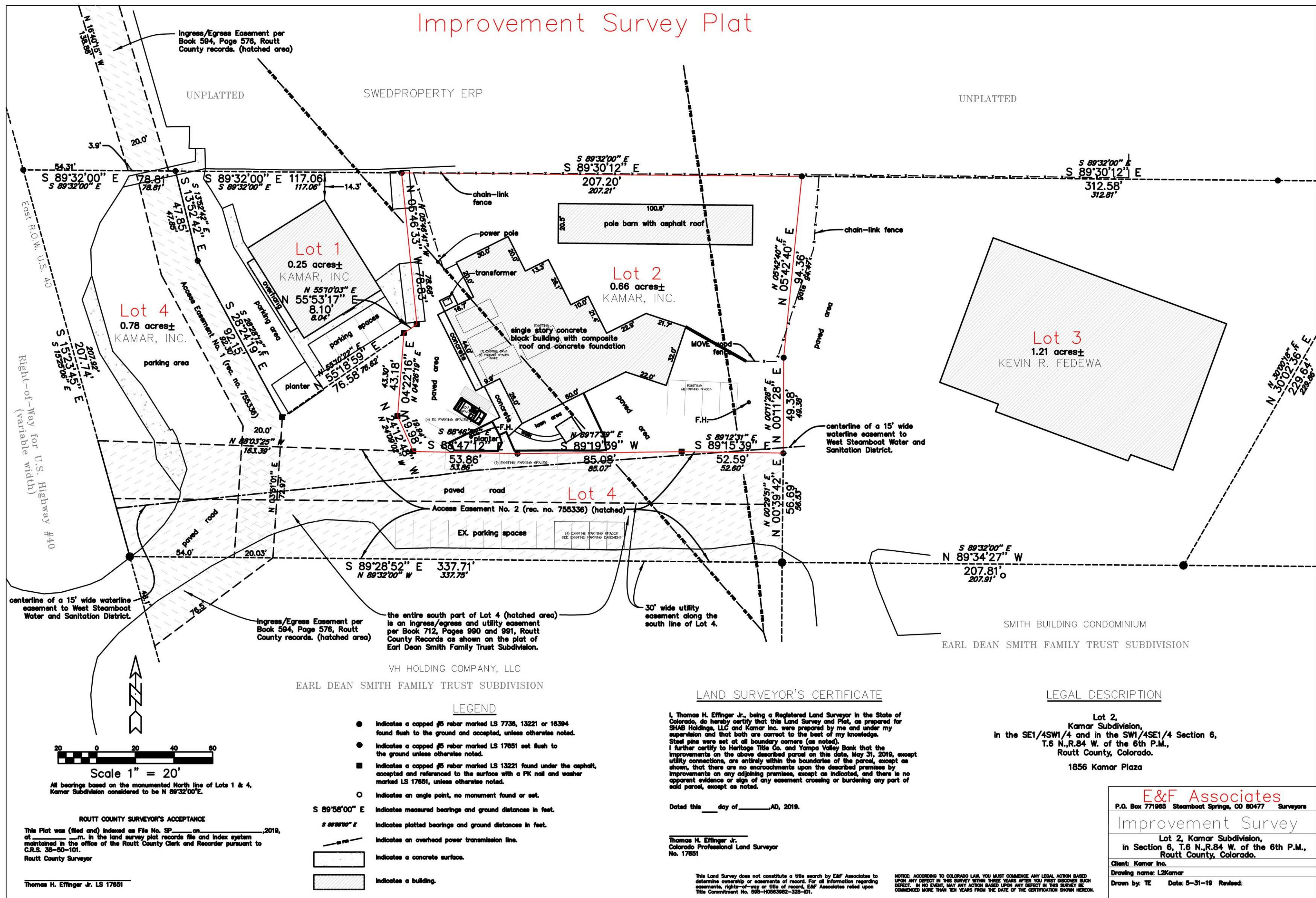
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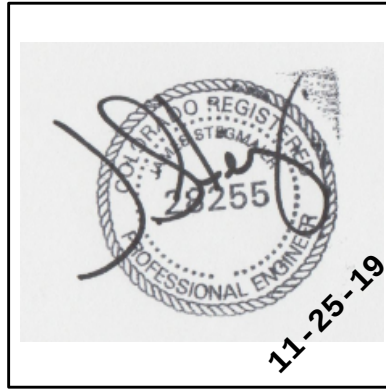
A-0



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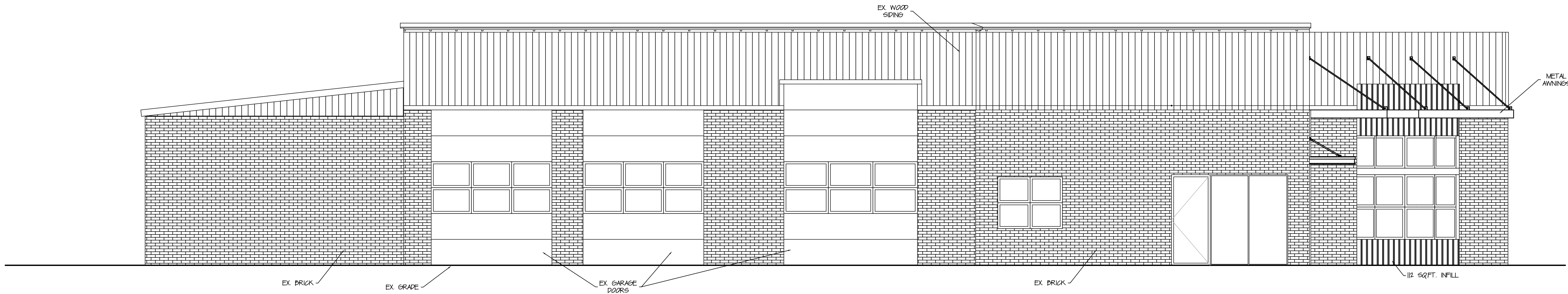
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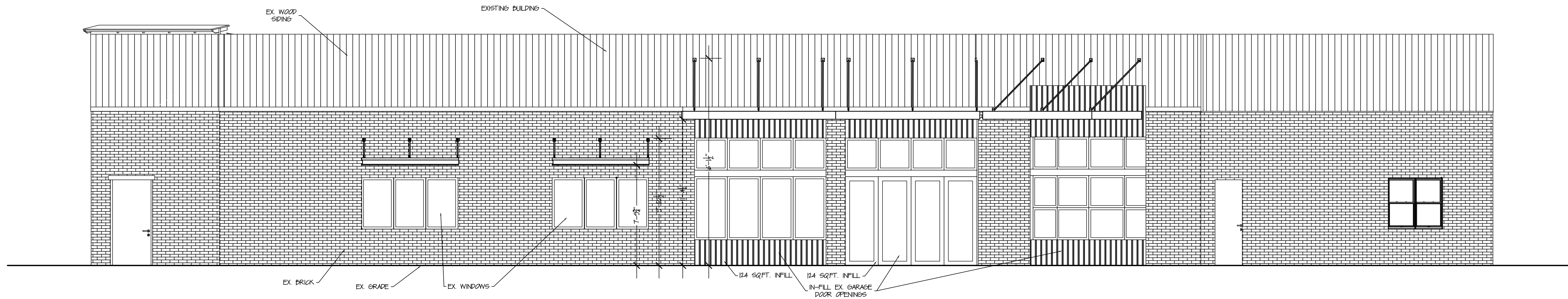
REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER

C-1



1
A-1
PROPOSED SOUTHWEST ELEVATION
SCALE 1/4" = 1'-0"



2
A-1
PROPOSED SOUTHEAST ELEVATION
SCALE 1/4" = 1'-0"

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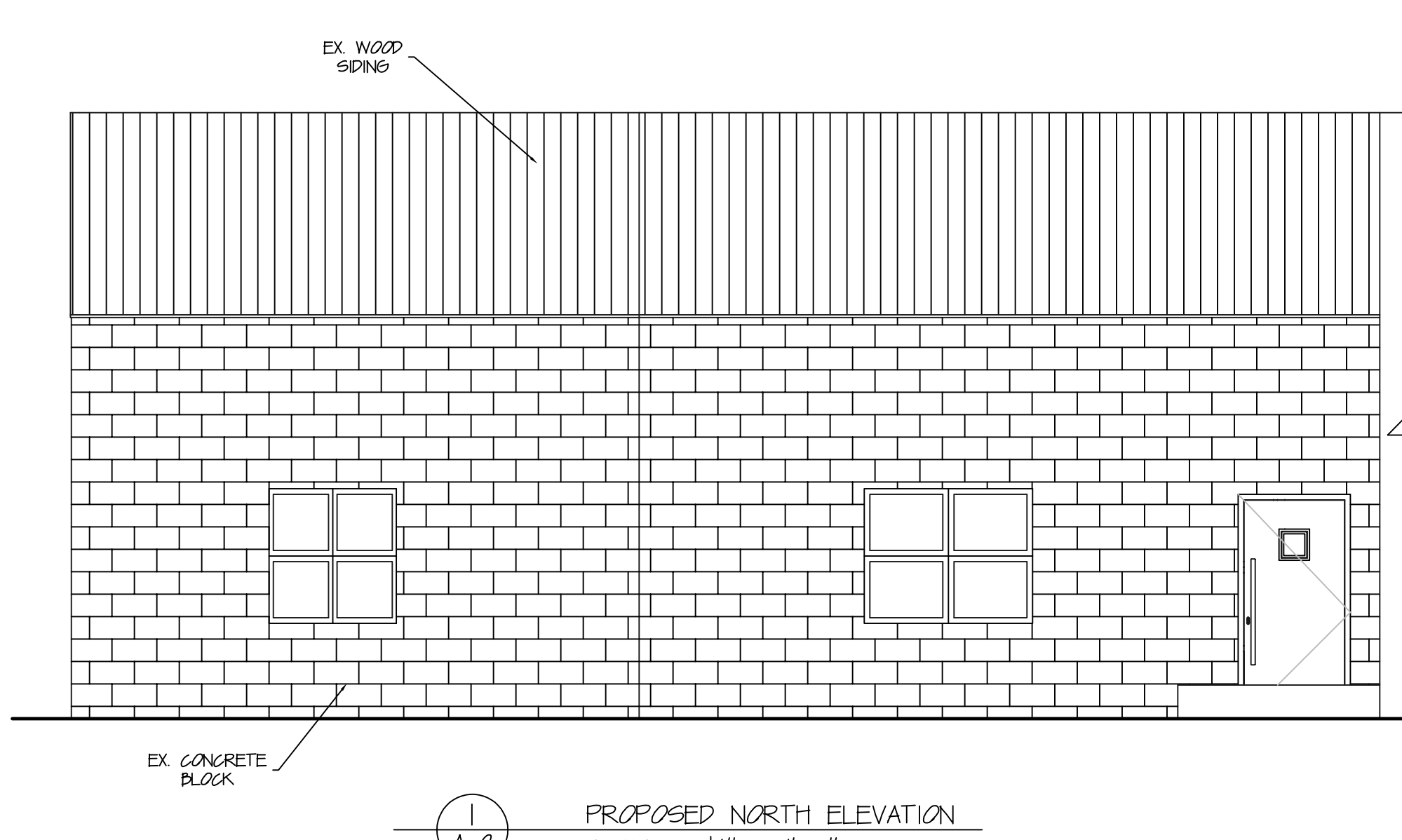


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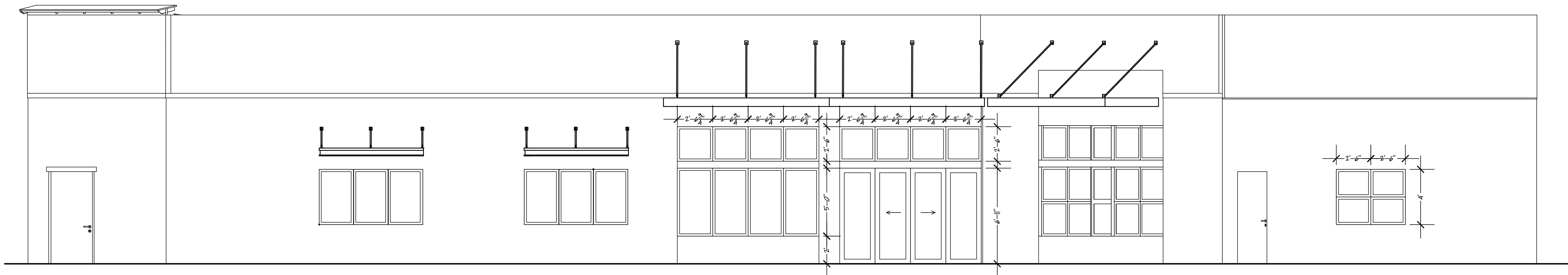
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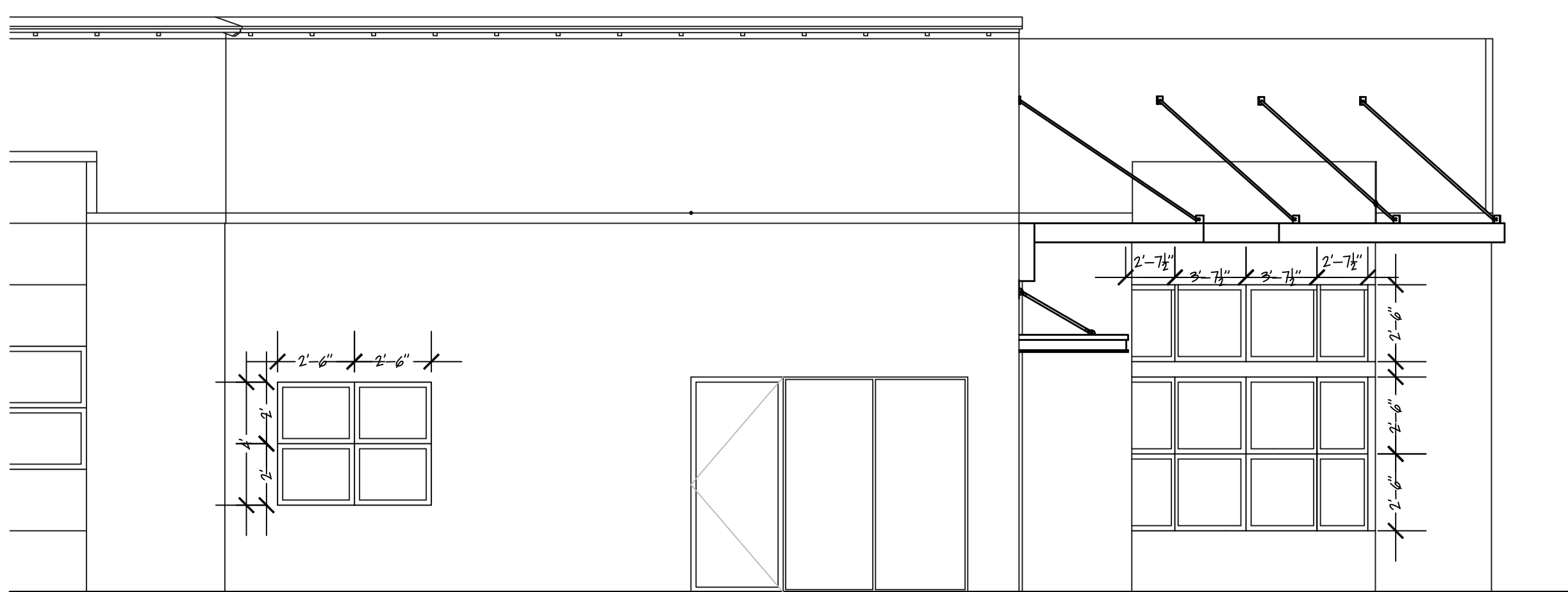
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A-1



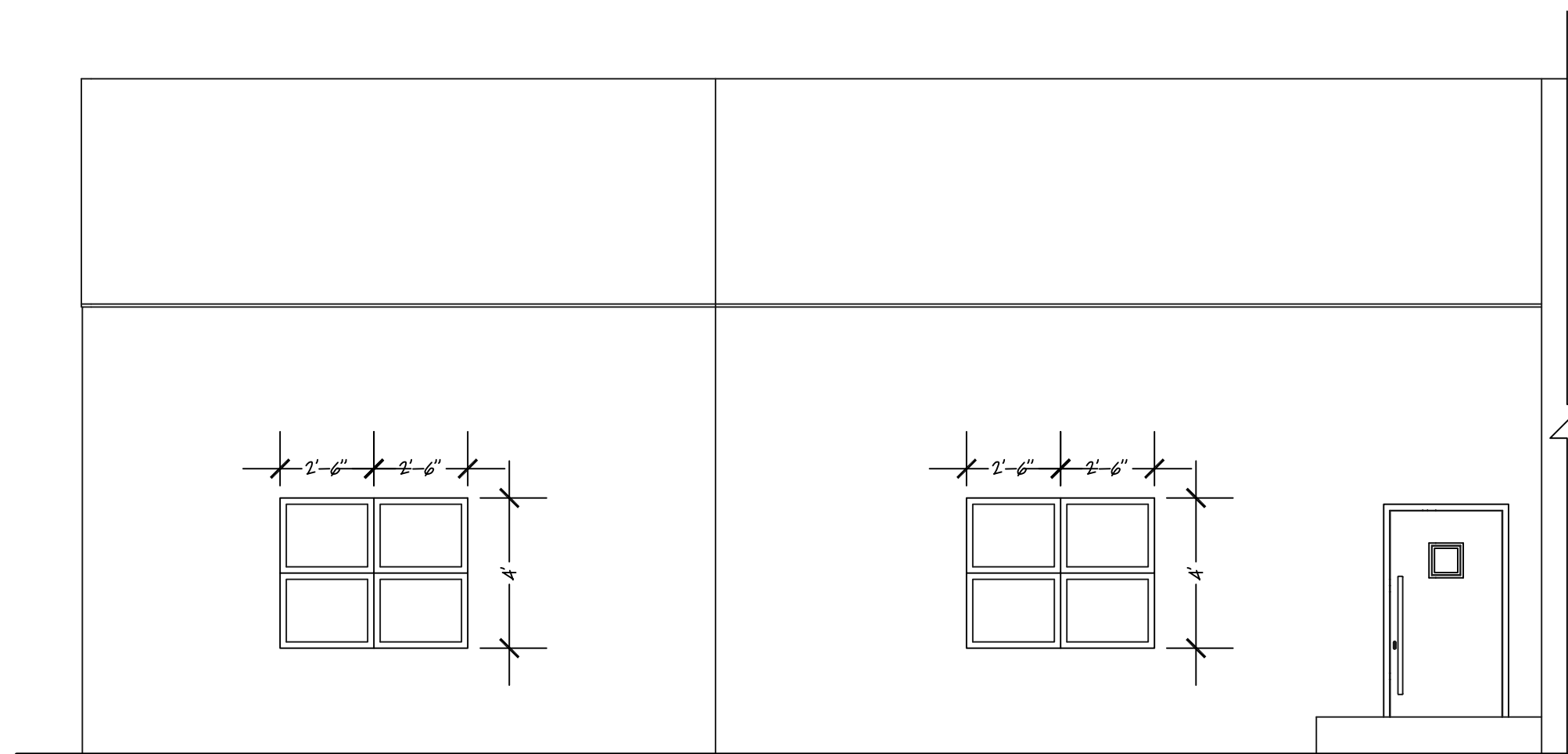
1
A-2
PROPOSED NORTH ELEVATION
SCALE 1/4" = 1'-0"



2
A-2
SOUTHEAST WINDOW SCHEDULE
SCALE 1/4" = 1'-0"



3
A-2
SOUTHWEST WINDOW SCHEDULE
SCALE 1/4" = 1'-0"



4
A-2
NORTH WINDOW SCHEDULE
SCALE 1/4" = 1'-0"

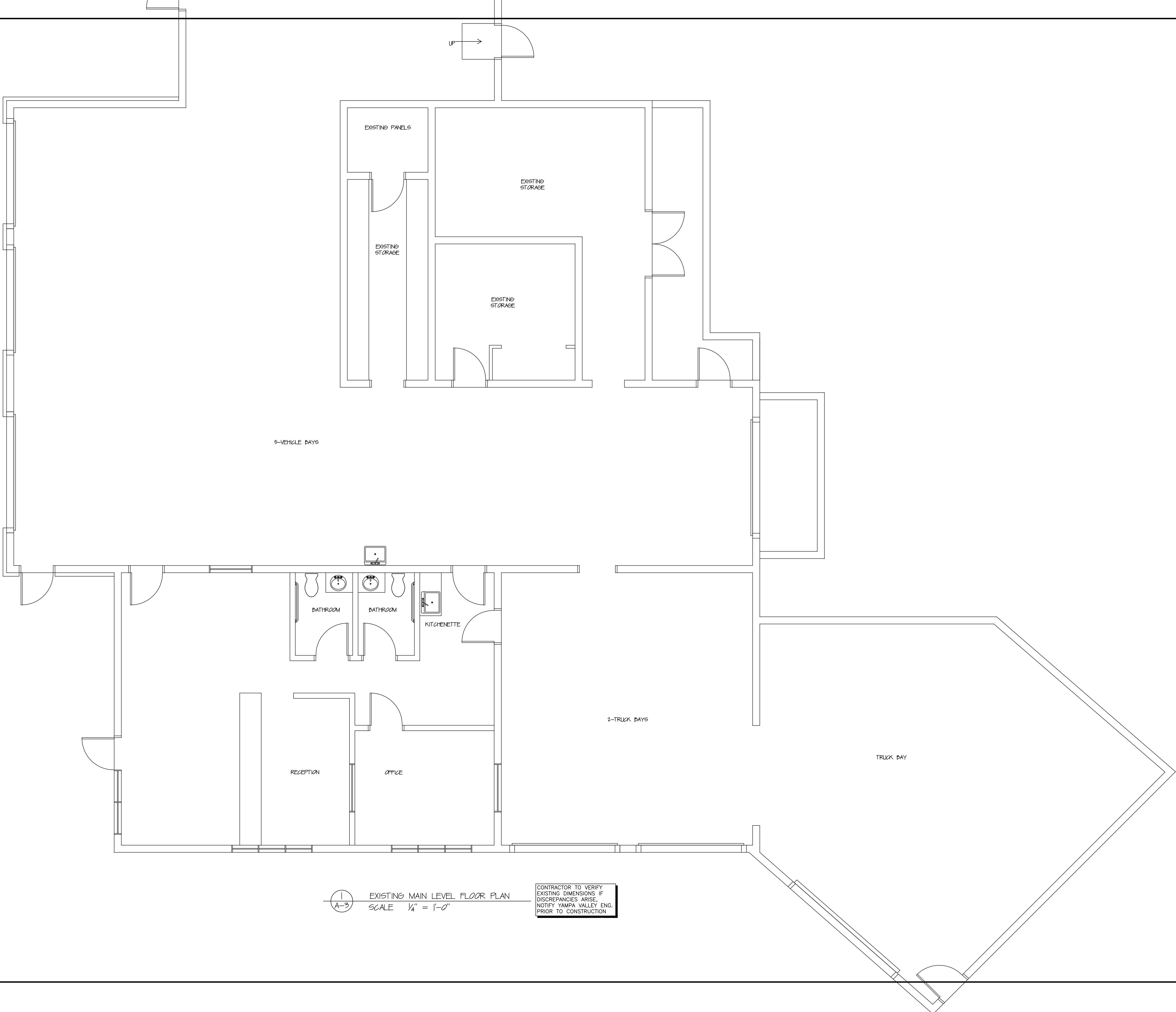


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A-2



1
A-3

EXISTING MAIN LEVEL FLOOR PLAN
SCALE 1/4" = 1'-0"

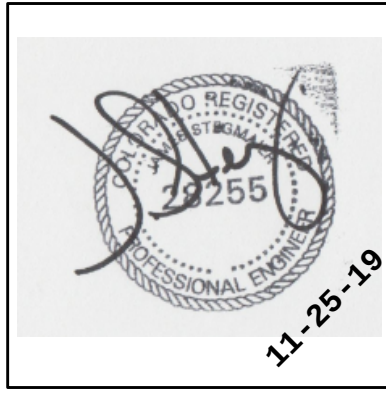
CONTRACTOR TO VERIFY
EXISTING DIMENSIONS IF
DISCREPANCIES ARISE,
NOTIFY YAMPA VALLEY ENG.
PRIOR TO CONSTRUCTION

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A-3

EXISTING (3) BAYS

EXISTING BUILDING

(5) EXISTING PARKING SPACES
1316 SQFT. 10 OCC.

EXISTING PANELS
45 SQFT.

EXISTING STORAGE
312 SQFT. 1 OCC.

EXTERIOR

EXISTING STORAGE
140 SQFT.

EXISTING STORAGE
165 SQFT.

EXISTING BATHROOMS
AND WALLS

KITCHENETTE
274 SQFT.

DEM'D WALLS

BREAK AREA

RECEPTION AREA
472 SQFT.

EXISTING WALL

DEM'D WALL

OFFICE #2
153 SQFT.

CONFERENCE ROOM
315 SQFT.

WORKSTATIONS
2355 SQFT.

OFFICE #4
175 SQFT.

OFFICE #3
178.5 SQFT.

FURR WALL OUT
WITH INSULATION AS NECESSARY
FOR SOUND PROOFING

AWNINGS

AWNINGS

1
A-4

PROPOSED MAIN LEVEL FLOOR PLAN
SCALE 1/4" = 1'-0"

CONTRACTOR TO VERIFY
EXISTING DIMENSIONS IF
DISCREPANCIES ARISE,
NOTIFY YAMPA VALLEY ENG.
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2,010 SQFT. OF OFFICES
2,010 / 1900 = 1 PARKING SPACES

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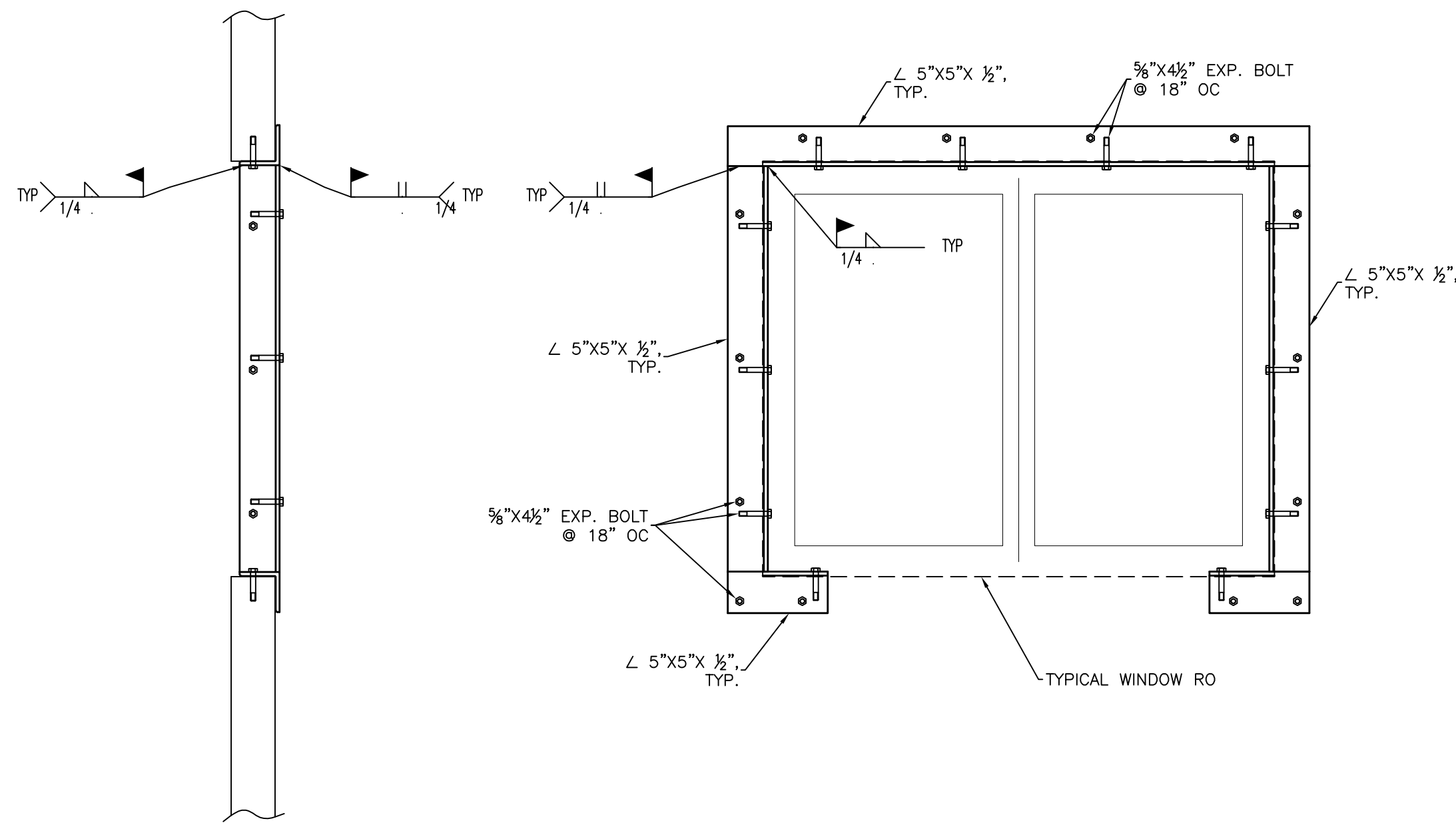


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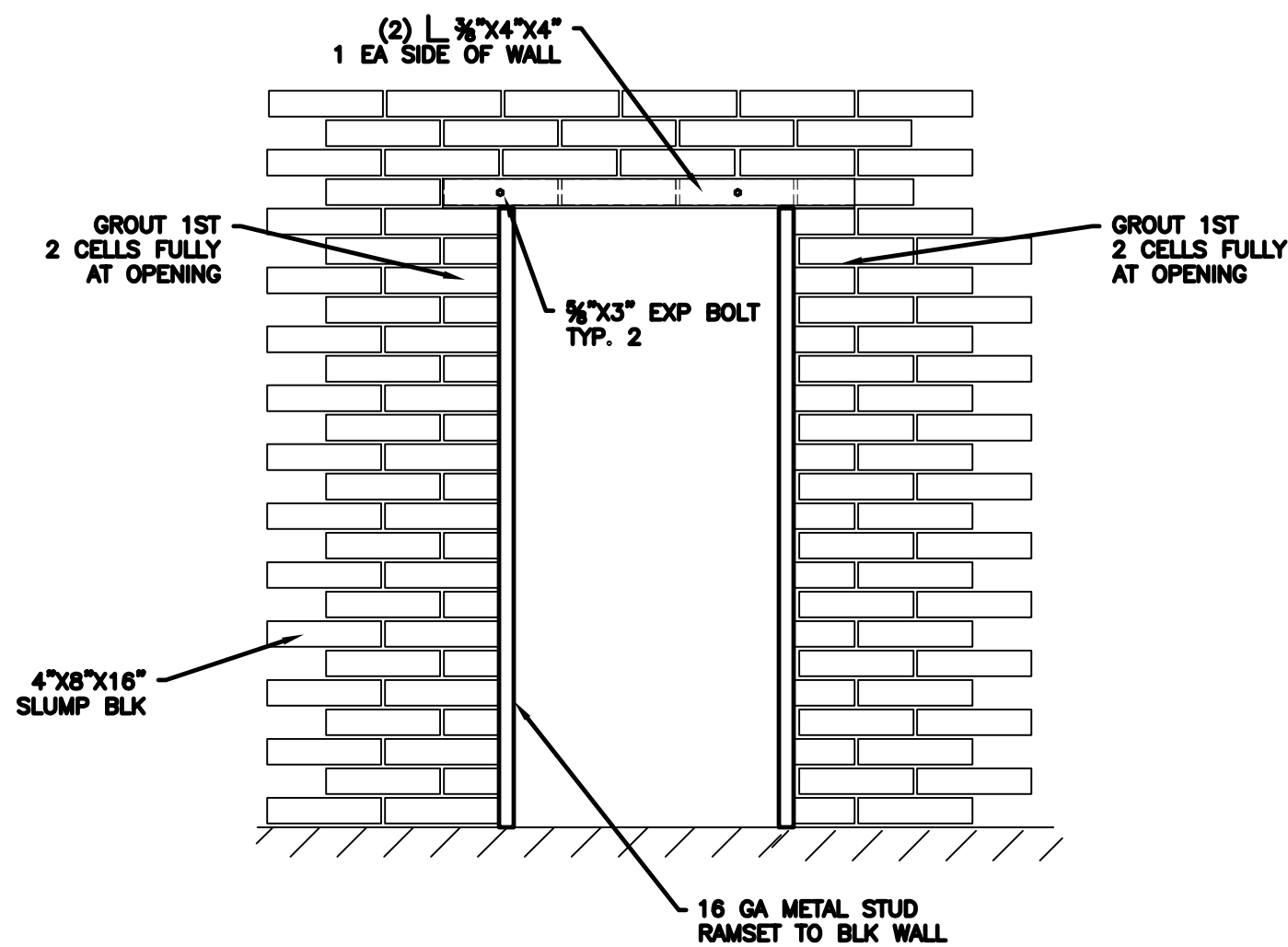
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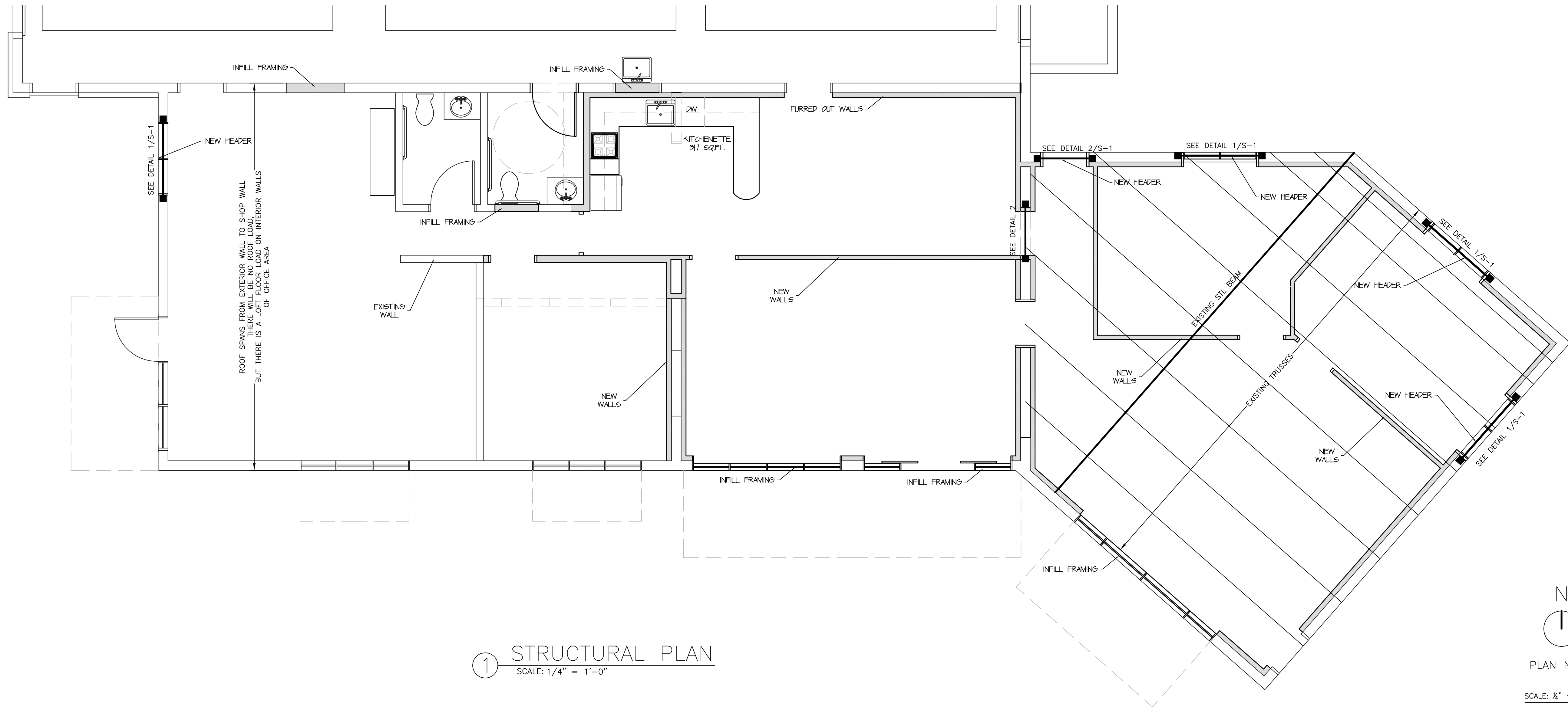
SHEET NUMBER
A-4



1 WINDOW OPENING REINFORCEMENT
SCALE: 3/4" = 1'-0"



2 3' MASONRY OPENING
SCALE: 1/2" = 1'-0"



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

FRAMING SYMBOLS	
	POINT FROM ABOVE
	COLUMN TO BELOW
	COLUMN FROM ABOVE
	JOIST OR RAFTER w/ HANGER PER PLAN (WHERE SPECIFIED)
	HEADER OR BEAM w/ HANGER PER PLAN (WHERE SPECIFIED)
	2x_ SHEAR WALL (BELOW)
	2x_ INT BEARING WALL (BELOW)
	2x_ SHEAR WALL & INT BEARING WALL (BELOW)
	2x_ SHEAR WALL &/OR INT BEARING WALL (ABOVE)
	OVERBUILD
	SECTION (#/SHEET)
	SCHEDULE MARK (DETAIL #/SHEET)
	STRAP OVER FLOOR SYSTEM PER PLAN
	REVISION
	ELEVATION

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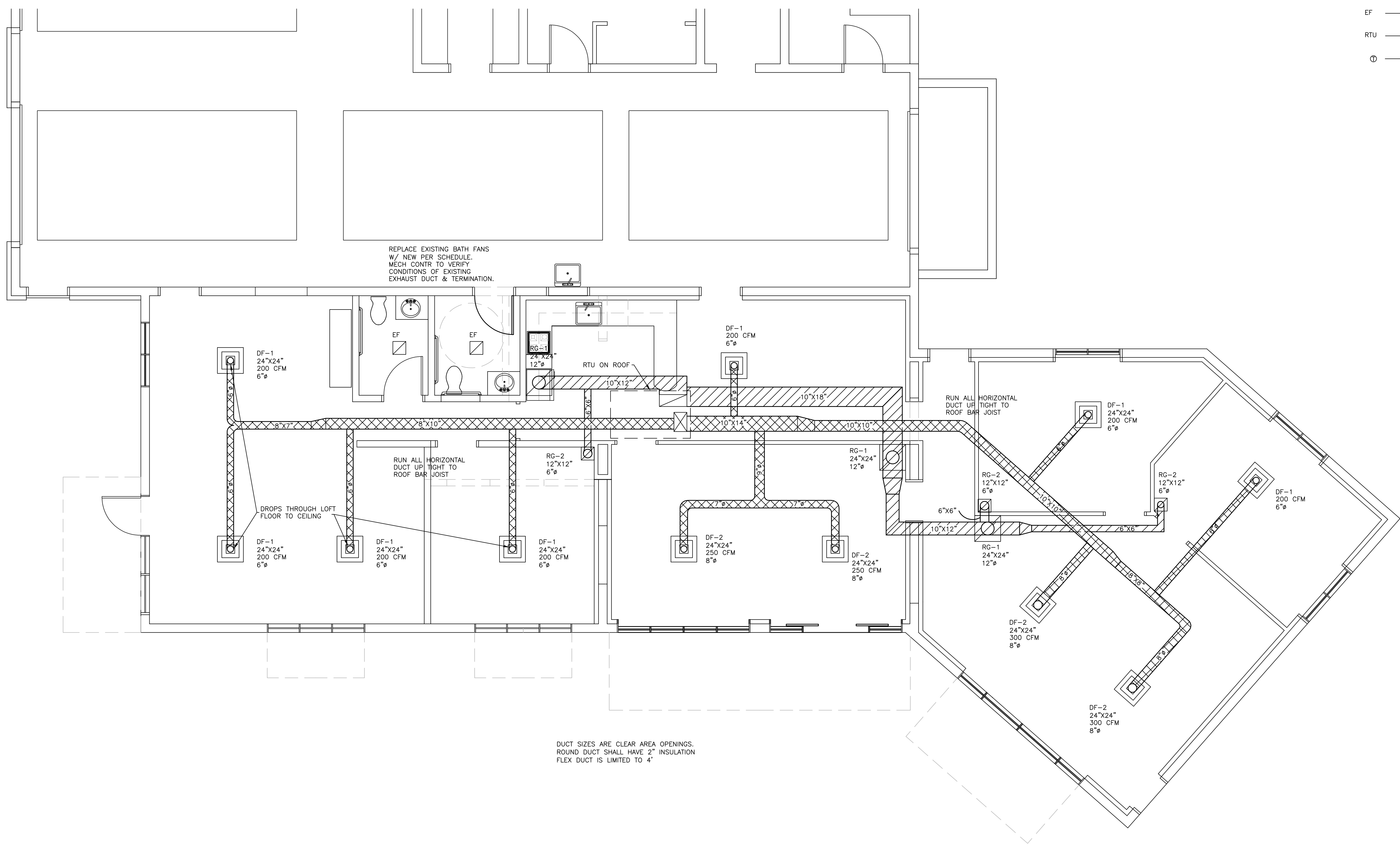


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S-1
STRUCTURAL

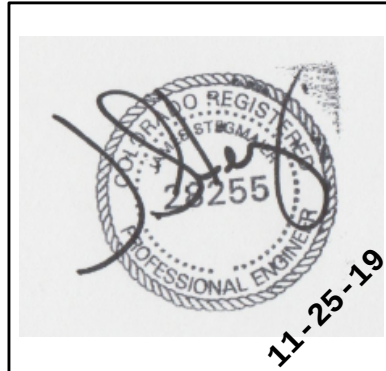


- HVAC LEGEND
- SUPPLY AIR DUCT
 - RETURN AIR DUCT
 - SUPPLY AIR DIFFUSER
 - RETURN GRILLE
 - BATH EXHAUST FAN
 - ROOFTOP UNIT
 - PROGRAMABLE T-STAT

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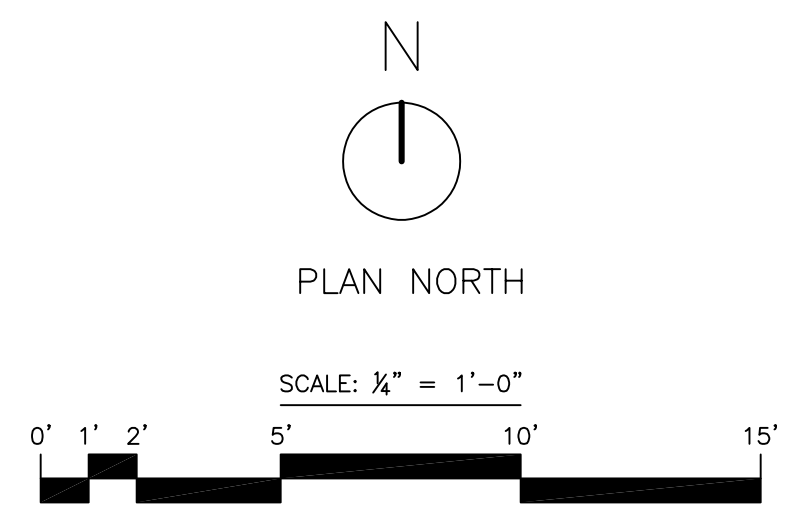
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M-1

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



AIR DISTRIBUTION
EQUIPMENT CONNECTIONS
General: Connect metal ductwork to equipment as indicated, provide flexible connection for each ductwork connection to equipment mounted on vibration isolators, and/or equipment containing rotating machinery. Provide access doors as indicated.

DESCRIPTION OF WORK
A. Mechanical contractor shall provide and install TYPE I Hood, exhaust fan and MUA Unit, ducts and grills, registers and diffusers as shown on the plans. Requirements for the air distribution system are as indicated herein.

MATERIALS
A. Sheet Metal: Except as otherwise indicated, fabricate ductwork from galvanized sheet steel complying with ASTM A 527, lockforming quality, with g 90 zinc coating in accordance with ASTM A 525; and mill phosphatized for exposed locations.
B. Type I exhaust duct shall be of weldable 16 ga galv or stainless steel, and shall conform to the requirements of NFPA-96. Products shall be ETL listed to UL-1978 and CAN/ULC-S662 for venting air and grease vapors from commercial cooking operations as described in NFPA-96.
C. All duct dimensions shown are clear area dimensions.

MISCELLANEOUS DUCTWORK MATERIALS
A. General: Provide miscellaneous material and products of types and sizes indicated and, where not otherwise indicated, provide type and size required to comply with ductwork system requirements including proper connection of ductwork and equipment.
B. Fittings: Provide radius type fitting fabricated of multiple sections with maximum 15-degree change of direction per section. Use 45-degree laterals and elbows for branch takeoff connections.
C. Low Pressure Flexible Ducts: Duct shall be factory pre-insulated with a solid inner liner formed by a reinforced aluminum laminate material mechanically locked or bonded together by a corrosive resistant galvanized steel helix covered with a minimum 1-1/2" thick fiberglass blanket and sheathed in a polyethylene vapor barrier.
D. Exterior Metal Duct Work: Duct runs on the exterior of the building shall be lined as indicated above but shall be clad with Flex-Clad 400 jacket system.

FABRICATION
A. Shop fabricates ductwork in 4, 8, 10 or 12-Ft. lengths.
B. Shop fabricates ductwork of gages and reinforcement complying with SMACNA HVAC Duct Construction Standards.
C. Fabricate duct fittings to match adjoining ducts, and to comply with duct requirements and applicable to fittings. Except as otherwise indicated, fabricate to include turning vanes in elbows where shorter radius is necessary. Limit angular tapers to 30 degrees for contracting tapers and 20 degrees to expanding tapers.
D. Grease duct joints shall be continuously welded to provide an water-tight sealed construction.

FACTORY-FABRICATED LOW PRESSURE DUCTWORK
A. General: At installer's options, provide factory-fabricated duct and fittings, in lieu of shop-fabricated duct and fittings.
B. Material: Galvanized sheet steel complying with ASTM A 527, lock forming quality, with ASTM A 525, G90 zinc coating, mill phosphatized.
C. Gage: 28-gage minimum for round and oval ducts and fittings, 4" through 24" diameter.
D. Elbows: One piece construction for 90 degree and 45 degree elbows 14" and smaller. Provide multiple gore construction for larger diameters with standing seam circumferential joint.

TURNING VANES
A. Manufactured Turning Vanes: Provide turning vanes constructed of 1-1/2" wide curved blades set at 3/4" O.C. supported with bars perpendicular to blades set at 2" O.C. and set into side strips suitable for mounting in ductwork.

GRILLS, REGISTERS AND DIFFUSERS
A. Provide grills, registers and diffusers of manufactures standard air device where shown on the mechanical plans as require for complete installation.
B. Ceiling Compatibility: Provide air devices with border styles that are compatible with adjacent ceiling finish. Owner shall have approval prior to installation.
C. Types: Provide air device of type, capacity and with accessories and finishes as listed on grilles, register and diffuser schedule.
D. Acceptable Manufacturers:
Krueler Mfg. Co.
Metal Aire Co
Tituse Products Div.
Tuttle and Bailey.

Substitutions are allowed if configuration and free areo remains the same and the substitution is agreed to by architect and owner.

INSTALLATION OF METAL DUCTWORK
A. Assemble and install ductwork in accordance with recognized industry practices that will achieve airtight and noiseless systems, capable of performing each indicated service. Align ductwork accurately, supporting ducts rigidly and support vertical ducts at every floor.
B. Routing: Locate ductwork runs, vertically and horizontally and avoid diagonal runs whenever possible. Locate runs as indicated by diagrams, detail and notations or, if not otherwise indicated, run ductwork in shortest route, which does not obstruct usable space, or block access for servicing building and its equipment. Coordinate layout with suspended ceiling and lighting layout and similar finished work.
C. Install metal ductwork in accordance with SMACNA HVAC Duct Construction Standards.
D. Turning vanes shall be located in all 90 degrees turns and tees.
E. Use 45 degree laterals and elbows for branch takeoff connections.
F. Grease duct roof penetrations shall comply with listed clearance to combustibles.
G. The grease duct shall terminate at the fan adapter plate, shall be fully welded to the fan adapter plate and the fan adapter plate shall be fastened to the curb using a suitably sized fastener.

ADJUSTING AND CLEANING
Clean duct work internally, of dust and contractor. A balance report shall be furnished to the Project Manager and the Designer.
Start-up:
Operate installed system to demonstrate compliance with requirements. Check for leakage while system is operating and adjust or repair as necessary.

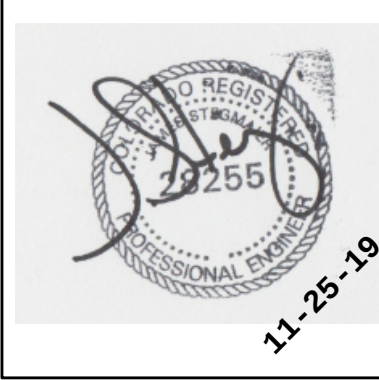
HVAC EQUIPMENT SCHEDULE										
MARK	DESCRIPTION	MANUFACTURE & MODEL	HEAT CAPACITY (MBU)		COOL CAPACITY (MBU)	CFM @ 0.25 SP (UON)	ELECTRICAL			REMARKS
			INPUT	OUTPUT			VAC	PHASE	AMPS	
RTU	ROOFTOP UNIT	CARRIER 50GC**-05	150/50	92/31	—	2600	230	3	16.1	—
EF	BATH FAN	PANASONIC FV-0511VK2	—	—	—	110	120	1	1.0	

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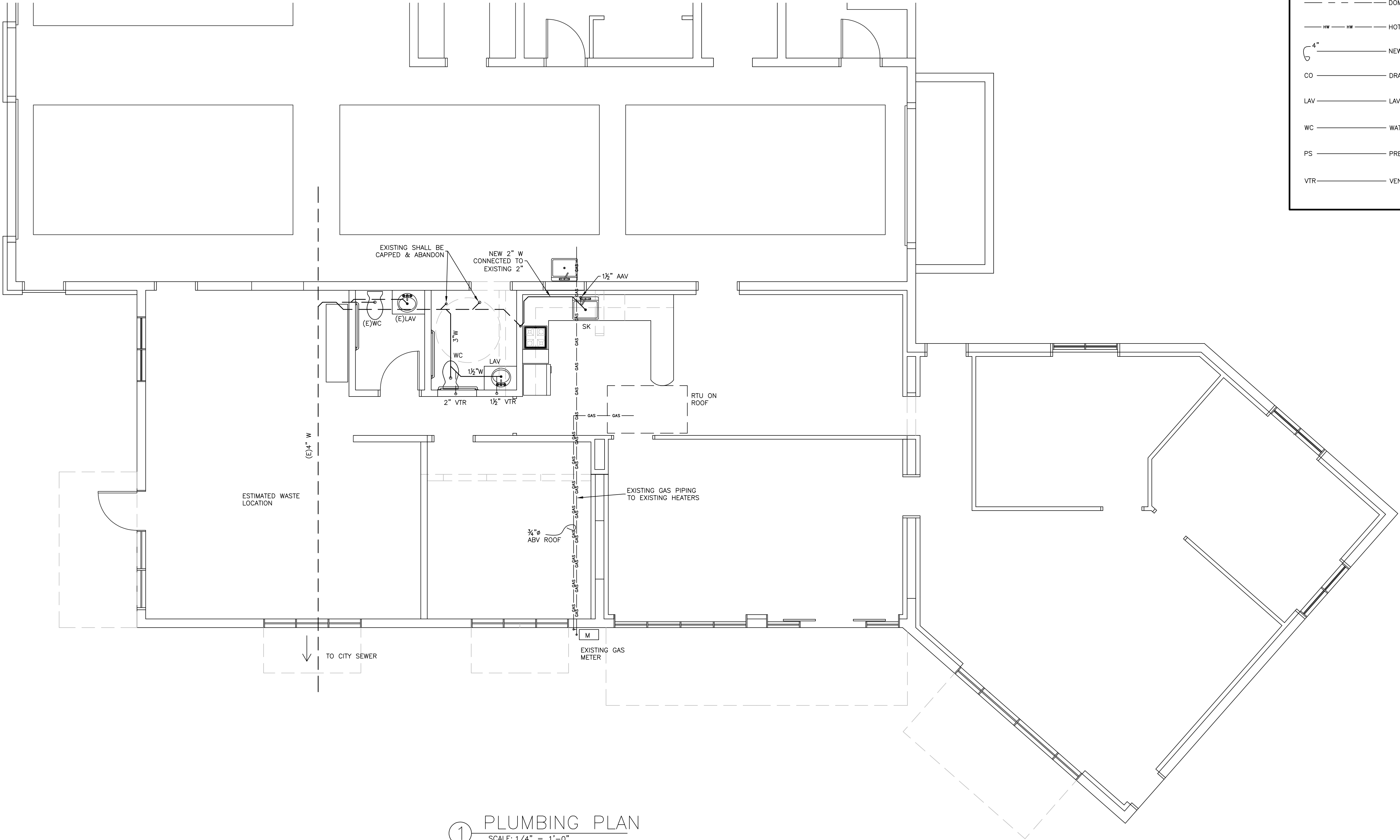
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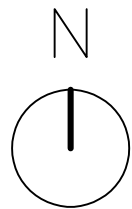
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P-1

PLUMBING LEGEND

- SEWER
- SEWER
- VENT PIPING
- DOMESTIC WATER
- HOT WATER
- NEW DRAIN/VENT
- DRAIN CLEAN-OUT
- LAVATORY
- WATER CLOSET
- PREP SINK
- VENT TO ROOF



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



PLAN NORTH

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



Plumbing System

A. Plumbing contractor shall provide all labor, materials and equipment to install water, sewer piping and gas piping where indicated. All work shall be in accordance with the current IBC, IPC and all state and local codes and regulations. Only licensed plumbing contractors shall install water, sewer or gas piping.

B. All appropriate plumbing permits shall be issued prior to work commencing in those areas.

D. Coordinate work with other trades to eliminate conflicts. Verify dimensions and sizes and report errors, conflicts and inconsistencies to the Designer before starting work. Execute work in accordance with best current standard practices to contribute to the efficiency of operation, accessibility, slightliness and minimal maintenance. Conform and accommodate systems to building structure, equipment and usage so that they do not interfere with the operation of other systems or operational parts of the building.

PIPE AND FITTINGS

A. Domestic Water: All above slab DW piping shall be Type M copper or approved poly piping. All piping products shall comply with ASTM B42–87 and ASTM B 88–86. Joints shall be up of 95–5 tin–antimony solder metal per ASTM B 32–70, alloy Grade 95TA.

B. Drain and Waste Piping – Above and Underground

Sewer pipe shall be PVC. PVC pipe and fittings shall comply with ASTM D2665–85. PVC fittings shall correspond to pipe in material, class and ASTM designation

Joints: Solvent cement shall be as specified in ASTM D2564–80 and primer shall be as specified in ASTM F656–80.

D. Natural Gas Piping

All gas pipe shall be black steel pipe and comply with ASTM A 53–83. Ferrous metals in exposed exterior location shall be protected from corrosion with a rust inhibiting coating such as enamel paint. All joints in the piping system shall have screwed joints, having approved standard threads. Such screwed joints shall be made up with approved pipe joint material, insoluble in the presence of natural gas and applied to the male threads only. Fittings 1/2" and less shall be 300 lb. Class per ANSI B16.3. Fittings greater than 1/2" shall be 150 lb. Class per ANSI B16.3.

MISCELLANEOUS PIPING MATERIALS/PRODUCTS

A. Soldering Materials: Provide soldering materials as determined by installer to comply with installation requirements.

B. Piping Connectors for Dissimilar Non–Pressure Pipe: Elastomeric annular ring insert or elastomeric flexible coupling minimizes flexible duct lengths and sharp bends.

VALVES

A. General: Provide valves of types and pressure ratings indicated by application and comply with all state and local codes.

PIPING SYSTEM JOINTS

A. Thread natural gas pipe in accordance with ANSI B2.1. Cut threads full and clean using sharp dies. Ream threaded ends to remove burrs and restore full inside diameter. Apply pipe joint or pipe joint tape where recommended by pipe/fitting manufacturer.

B. Solder copper tube–and–fitting joints where indicated, in accordance with recognized industry practice. Cut tube ends squarely, ream to full inside diameter, and clean outside of tube ends and inside of fittings. Use only flux with no lead content.

C. DWV pipe and fittings shall be cleaned using approved primer and glued with approved glue. If outside temperatures are 30 degrees or below, cold weather glues shall be used.

INSTALLATION OF HANGERS AND SUPPORTS

A. All suspended domestic pipe shall be suitable braced to prevent horizontal movement.

B. Prevent electrolysis in support of copper tubing by use of hangers and supports that are copper plated, or by other recognized industry methods or by plastic coated hangers.

C. All gas piping shall be adequately supported per the table below:

Pipe Size (In)	Maximum distance between supports (Ft)
1/2	6
3/4 – 1–1/2	8
2–3	10

PLUMBING FIXTURES

A. Provide factory fabricated fixtures of type, style and material indicated. Where more than one is indicated, selection is installer's option when approved by owner. All fixtures of the type specified on the mechanical plans, unless approved by the engineer and/or owner.

fixtures, inlet and outlet shall have easy disconnects so interceptor may be move for ease of cleaning.

INSTALLATION OF NATURAL GAS PIPING

A. All exposed gas piping shall be kept at least six– (6) in. above grade or structure.

B. All gas appliances unit shall have an accessible main gas shut–off located at unit. Shut–offs shall be AGA approved gas ball valve type, Nibco or equal. Gas piping sizes indicated assume gas meter is located directly in front of building and adjacent to corresponding units.

PLUMBING EQUIPMENT SCHEDULE					
MARK	DESCRIPTION	MANUFACTURE & MODEL	FAUCET & ACCESSORIES	FINISH	REMARKS
WC	ADA WATER CLOSET	KOHLER HIGHLINE K–3989	–	WHITE	–
LAV	LAVATORY	KOHLER CHESAPEAKE K–1722	KOHLER CORALAIS 10270	WHITE CP	REQUIRES WALL CARRIER

YVE

YAMPA VALLEY ENGINEERING, INC.

STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES

JAMES STEGMAIER, P.E.
1794 KAMAR PLAZA
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STEAMBOAT SPRINGS, CO 80477
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PLANS FOR:

ZIRKEL WIRELESS

1856 KAMAR PLAZA
STEAMBOAT SPRINGS, COLORADO

JOB NO: 19–027
DRAWN: JAS
DATE: 11–25–19

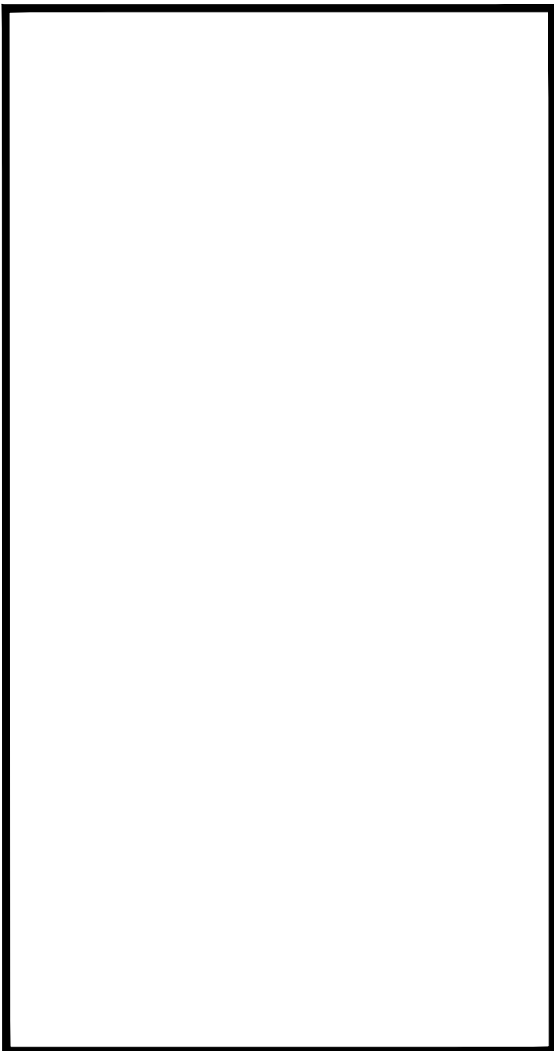
REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER

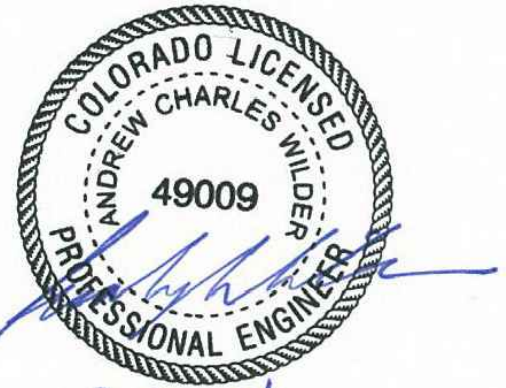
P–2

ZIRKEL
WIRELESS

Internet for
Northwestern Colorado



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Issue	By	Date & Issue Description	By
—	—	PERMIT SET — 11.22.19	AW

Scale:	NTS
24x36	
Description:	LOAD CALC & SINGLE LINE
Project Name:	ZIRKEL WIRELESS
Project Number:	2019055
Sheet No.	E1-1

SYMBOLS	POWER SYMBOLS	NOTES
	MOTOR OUTLET	
	FUSED DISCONNECT SWITCH SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE	
	HEAVY DUTY NON-FUSED DISCONNECT SWITCH SWITCH XX/XX = AMP SWITCH/POLES	
	COMBINATION MOTOR STARTER	
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD	
	STATIONARY — CIRCUIT BREAKER; RATING AS SHOWN ON PLANS	
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS	
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS	
	JUNCTION BOX	
	SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET	

SYMBOLS	DESIGNATION SYMBOLS	NOTES
	FIXTURE DESIGNATION UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCH LEG. NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN).	
	LETTER INDICATES FIXTURES CONTROL (WHERE SHOWN)	
	NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)	

ELECTRIC LOAD SUMMARY			
Load Tab			
	Area/Qty	Load	Load
COMMERCIAL BUILDING LOADS	SF	VA/SF	KVA
Office Space			
Lighting & Receptacles	2,511	6.0	15.07
Roof Top Unit	1	5,812.1	5.81
Dishwasher	1	1,200.0	1.20
Disposal	1	1,176.0	1.18
Refrigerator	1	1,440.0	1.44
Oven	1	8,000.0	8.00
Total KVA			32.69
Vehicle Bays			
Lighting & Receptacles	2,717	4.0	10.87
Vehicle Lift	3	1,200.0	3.60
Overhead Doors	6	1,200.0	7.20
Baseboard Heat	2	1,000.0	2.00
Total KVA			23.67
Storage Areas	Qty.	Watts	kVA
Lighting & Receptacles	939	2.0	1.88
Total KVA			1.88
OVERALL BUILDING TOTAL KVA			58.24
Total Amperes @120/208V			161.78

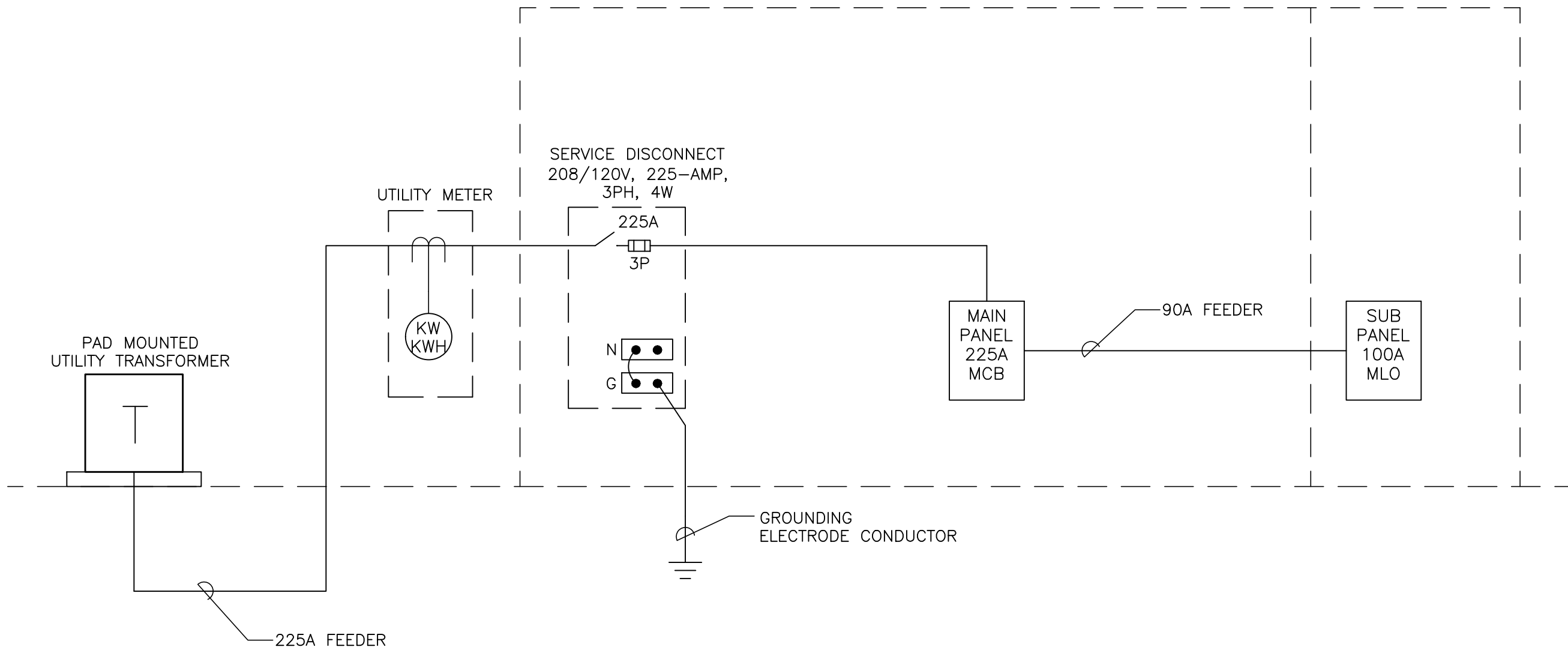


DIAGRAM NOTES

- ALL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED.
- BRING ANY DISCOVERED CODE VIOLATIONS TO THE OWNER'S ATTENTION.
- REMOVE ALL CONDUCTORS, DEVICES AND CONDUIT RENDERED UNUSED BY THIS PROJECT.

LOAD CALCULATION

NTS

SINGLE LINE DIAGRAM

NTS