

ARCHITECTURAL ABBREVIATIONS

& @ CL #	AND AT CENTERLINE DEGREE NUMBER	FRT FT FTG FURR FUT	FIRE-RETARDENT TREATED FOOT OR FEET FOOTING FURRING FUTURE	R R.D. REF REFR REINF REQ R.H. R.L. RM R.O. R.O.W. RTU	RISER OR RADIUS ROOF DRAIN REFERENCE REFRIGERATOR REINFORCING REQUIRED RIGHT HAND RAIN LEADER ROOM ROUGH OPENING RIGHT OF WAY ROOF TOP UNIT
ABV AC ACP ACT ACOUS ADD ADD AFF AHU ALT ALUM APPROX ARCH ASPH AVG	ABOVE ASPHALTIC CONCRETE ACOUSTICAL CEILING PANEL ACOUSTICAL CEILING TILE ACOUSTICAL ADDITION ADDITION ABOVE FINISH FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM APPROXIMATE ARCHITECTURAL ASPHALT AVERAGE	GA GAL GALV G.B. G.I. GL GT GWB GYM GYP.	GAUGE GALLON GALVANIZED GRAB BAR GALVANIZED IRON GLASS GLASS TYPE GYPSUM WALL BOARD GYMNASIUM GYPSUM	S SAN S.C. SCHED SE SECT SHEATH SHT SIM SND SPEC SQ S.S. S.S.T. STD STL STOR STRUCT ST.S SUSP SV SW SYM	SOUTH SANITARY SOLID CORE SCHEDULE SOUTHEAST SECTION SHEATHING SHEET SIMILAR SANITARY NAPKIN DISPENSER SPECIFICATIONS SQUARE SANITARY SEWER STAINLESS STEEL STANDARD STEEL STORAGE STRUCTURAL STORM SEWER SUSPENDED SHEET VINYL SOUTHWEST SYMMETRICAL
BD BLDG BLKG BLW BM B.O. B.S. BTU BUR	BOARD BUILDING BLOCKING BELOW BENCH MARK BOTTOM OF BOTH SIDES BRITISH THERMAL UNIT BUILT-UP ROOF	H.B. H.C. HDWD HDWR H.M. H.M.F. HORIZ H.P. HR HT HW HWY	HOSE BIB HOLLOW CORE HARDWOOD HARDWARE HOLLOW METAL HOLLOW METAL FRAME HORIZONTAL HIGH POINT HOUR HEIGHT HOT WATER HIGHWAY	I.D. (*) OR IN IHM INSUL INT JAN JT	INSIDE DIAMETER INCHES INSULATED HOLLOW METAL INSULATION INTERIOR JANITOR JOINT
CAB C.B. CEM C.I. CIRC CLG CLR. C.M.P. CMU COL COMP CONC CONSTR CONT COOR CORR C.R. C.R.C. C.T. CTR	CABINET CATCH BASIN CEMENT CAST IRON CIRCULAR CEILING CLEAR CORRUGATED METAL PIPE CONCRETE MASONRY UNIT COLUMN COMPOSITION CONCRETE CONSTRUCTION CONTINUOUS COORDINATE CORRIDOR COLD ROLLED COLD ROLLED CHANNEL CERAMIC TILE CENTER	KIT LAB LAM LAV LB LH LL L.O.W. L.P.	KITCHEN LABORATORY LAMINATE OR LAMINATED LAVATORY POUND LEFT HAND LIVE LOAD LIMITS OF WORK LOW POINT	KIT LAB LAM LAV LB LH LL L.O.W. L.P.	KITCHEN LABORATORY LAMINATE OR LAMINATED LAVATORY POUND LEFT HAND LIVE LOAD LIMITS OF WORK LOW POINT
DBL DEPT D.F. DET DIA DIAG DIM. DISP DL DN DS DWG	DOUBLE DEPARTMENT DRINKING FOUNTAIN DETAIL DIAMETER DIAGONAL DIMENSION DISPENSER DEAD LOAD DOWN DOWNSPOUT DRAWINGS	MATL MAX MECH MET OR MTL MFR MH MIN MISC M.O. MULL	MATERIAL MAXIMUM MECHANICAL METAL MANUFACTURER MANHOLE MINIMUM OR MINUTE MISCELLANEOUS MASONRY OPENING MULLION	MATL MAX MECH MET OR MTL MFR MH MIN MISC M.O. MULL	MATERIAL MAXIMUM MECHANICAL METAL MANUFACTURER MANHOLE MINIMUM OR MINUTE MISCELLANEOUS MASONRY OPENING MULLION
E (E) EA E.I.F.S.	EAST EXISTING EACH EXTERIOR INSULATION & FINISHING SYSTEM	N NE NIC NO NOM NTS NW	NORTH NORTHEAST NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE NORTHWEST	N NE NIC NO NOM NTS NW	NORTH NORTHEAST NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE NORTHWEST
ELEV ELEC EMB EQ EQUIP E.G. EXIST EXP EXP.AGG EXP.JT.	ELEVATION ELEVATOR EMBOSSING EQUAL EQUIPMENT EACH SIDE EXISTING EXPOSED EXPANSION EXPOSED AGGREGATE EXPANSION JOINT EXTERIOR	O O.C. O.D. OFD OFF OFCI OFOI OH OPNG OPP	OVER ON CENTER OUTSIDE DIAMETER OVERFLOW DRAIN OFFICE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED OVERHEAD OPENING OPPOSITE	O O.C. O.D. OFD OFF OFCI OFOI OH OPNG OPP	OVER ON CENTER OUTSIDE DIAMETER OVERFLOW DRAIN OFFICE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED OVERHEAD OPENING OPPOSITE
F.B. F.D. FDN F.E. F.E.C. FIN FF FLUOR F.O.B. F.O.F. F.O.S. F.O. F.R.P. FRPF	FLAT BAR FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FACTORY FINISH(ED) FINISH FLOOR FLUORESCENT FACE OF BLOCK FACE OF FINISH FACE OF STUD FACE OF (Conc. etc.) FIBER REINFORCED PANEL FIREPROOFING	PARA PART PERF PERM PERP P.I.C. PL P.LAM PLAST PLYWD PR PREFAB PRMA PROJ PT P.T. PTD PVC	PARALLEL PARTITION PERFORATED PERMANENT PERPENDICULAR PRECAST INSULATED CONCRETE PLATE PLASTIC LAMINATE PLASTER PLYWOOD PAIR PREFABRICATED PROTECTED MEMBRANE ROOF ASSEMBLY PROJECT POINT AND PAINT PRESERVATIVE TREATED PAPER TOWEL DISPENSER POLYVINYL CHLORIDE	PARA PART PERF PERM PERP P.I.C. PL P.LAM PLAST PLYWD PR PREFAB PRMA PROJ PT P.T. PTD PVC	PARALLEL PARTITION PERFORATED PERMANENT PERPENDICULAR PRECAST INSULATED CONCRETE PLATE PLASTIC LAMINATE PLASTER PLYWOOD PAIR PREFABRICATED PROTECTED MEMBRANE ROOF ASSEMBLY PROJECT POINT AND PAINT PRESERVATIVE TREATED PAPER TOWEL DISPENSER POLYVINYL CHLORIDE

MAP OF ALASKA



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D1.02	ROOF - DEMOLITION PLAN
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STRUCTURAL

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E1.1	ELECTRICAL PLAN
E2.1	ELECTRICAL SPECIFICATIONS

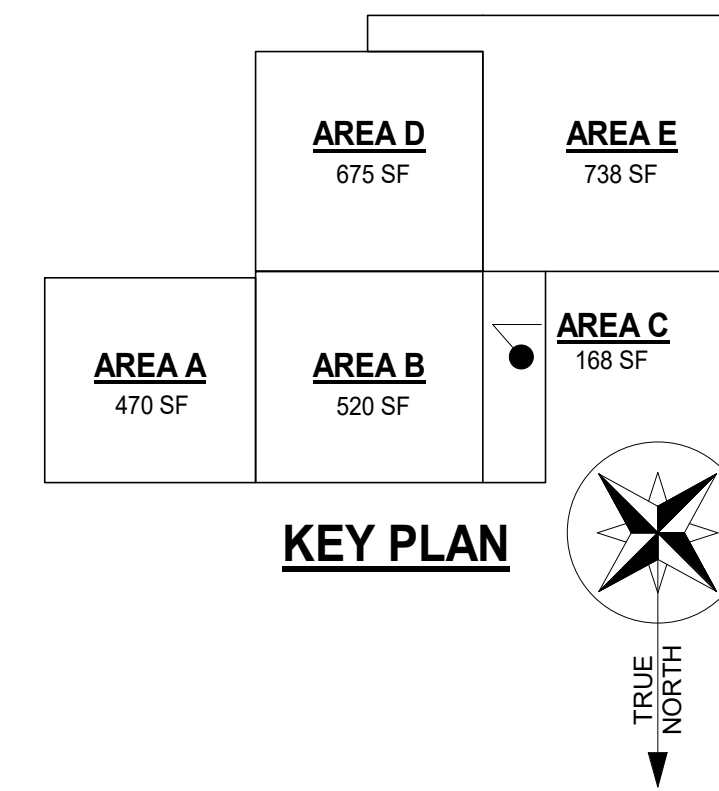
SCOPE OF WORK:

RESIDENTIAL HOUSE ROOF PERFORMANCE IMPROVEMENT PROJECT. INCLUDES:

1. INTERIOR CEILINGS, SOFFITS & WALLS AS INDICATED.
2. ATTIC IMPROVEMENTS
3. FRONT PORCH ROOF & DECK REPLACEMENT
4. RIDGE VENTS REMOVED & REINSTALLED TO CUT AIR GAP.
5. INSTALL GUTTERS & DOWNSPOUTS
6. REPLACE FRONT WINDOW

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ADOPTED EDITION OF THE 2018 INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL MECHANICAL CODE, THE NATIONAL ELECTRICAL CODE, FIRE CODE, NFPA, & ALL MOA AMENDMENTS.
2. ALL DIMENSIONS ARE TO FACE OF FOUNDATION OR FACE OF STUDS UNLESS NOTED OTHERWISE
3. ALL MATERIALS INDICATED SHALL BE NEW UNLESS SPECIFICALLY NOTED AS EXISTING, RELOCATED, SALVAGED, OR SIMILAR LANGUAGE.
4. FIELD CONDITIONS WHICH DIFFER MATERIALLY FROM THOSE DEPICTED HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ARCHITECT PRIOR TO PROCEEDING.
5. THESE DRAWINGS ARE INTENDED TO CONVEY A GENERAL SENSE OF REQUIRED WORK, AND DO NOT ADDRESS EVERY FIELD CONDITION. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FACILITY.
6. CONTRACTOR SHALL COMPLY WITH STATE, LOCAL AND FEDERAL REGULATIONS REGARDING DEMOLITION, HANDLING AND DISPOSAL OF REGULATED MATERIALS. CONTRACTOR SHALL ALSO COMPLY WITH FEDERAL AND STATE OSHA REQUIREMENTS FOR WORKER PROTECTION.
7. UPON COMPLETION OF THE WORK, ALL AFFECTED AREAS SHALL BE FINAL CLEANED TO INCLUDE FINISHES, SURFACES, AND FIXTURES AND IDENTIFIED AS EXISTING TO REMAIN.
8. DO NOT SCALE THE DRAWINGS TO OBTAIN CONSTRUCTION DIMENSIONS.
9. ALL INFORMATION SHOULD BE FIELD VERIFIED BEFORE WORK PROCEEDS. ANY DISCREPANCIES FOUND BETWEEN DRAWINGS, DISCIPLINES OR FIELD CONDITIONS, CONTACT THE ARCHITECT IMMEDIATELY.
10. FEATHER NEW WALL MATERIALS INTO EXISTING MATERIALS TO MATCH AND BE AN UNNOTICEABLE DIFFERENCE.
11. ALL FINAL INTERIOR AND EXTERIOR FINISHES AND COLORS TO BE SELECTED BY OWNER.



ARCHITECTURAL SYMBOLS LEGEND

BUILDING NORTH TRUE NORTH	NUMERIC GRIDS RUN HORIZONTALLY ALPHA GRIDS RUN VERTICALLY	REFER TO SHEET NOTES	SECTION NO. SHEET NUMBER DISCIPLINE	A = ARCHITECTURAL D = DEMOLITION (ARCHITECTURAL) E = ELECTRICAL H = HAZMAT G = GENERAL L = LANDSCAPE M = MECHANICAL S = STRUCTURAL	DETAIL NO. SHEET NUMBER DISCIPLINE	ELEVATION NO. SHEET NUMBER DISCIPLINE	PARTITION ASSEMBLY REFER TO PARTITION TYPES
REVISION NUMBER REVISION CLOUD	DOOR # BY ROOM		Name Elevation	REFER TO WINDOW TYPES	ROOM NAME Room name 101 ROOM NUMBER	ELEVATION NO. SHEET NUMBER DISCIPLINE	SHADED SIDE OF THE MATCHLINE IS THE SIDE UNDER CONSIDERATION

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REVIEWED FOR STRUCTURAL AND ARCHITECTURAL LIFE SAFETY CODE COMPLIANCE.

Dina

2/28/24

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**SOUTHCENTRAL FOUNDATION
RESIDENCE ROOF IMPROVEMENTS**
4353 Rendezvous Circle
Anchorage, AK

REVISIONS		
NO.	DESCRIPTION	DATE

DRAWN BY	DATE
JCH	2-20-24
CHECKED	JOB NO.
AML	23043

SHEET CONTENTS
COVER SHEET

SHEET NO
G1.01

**Southcentral
Foundation**

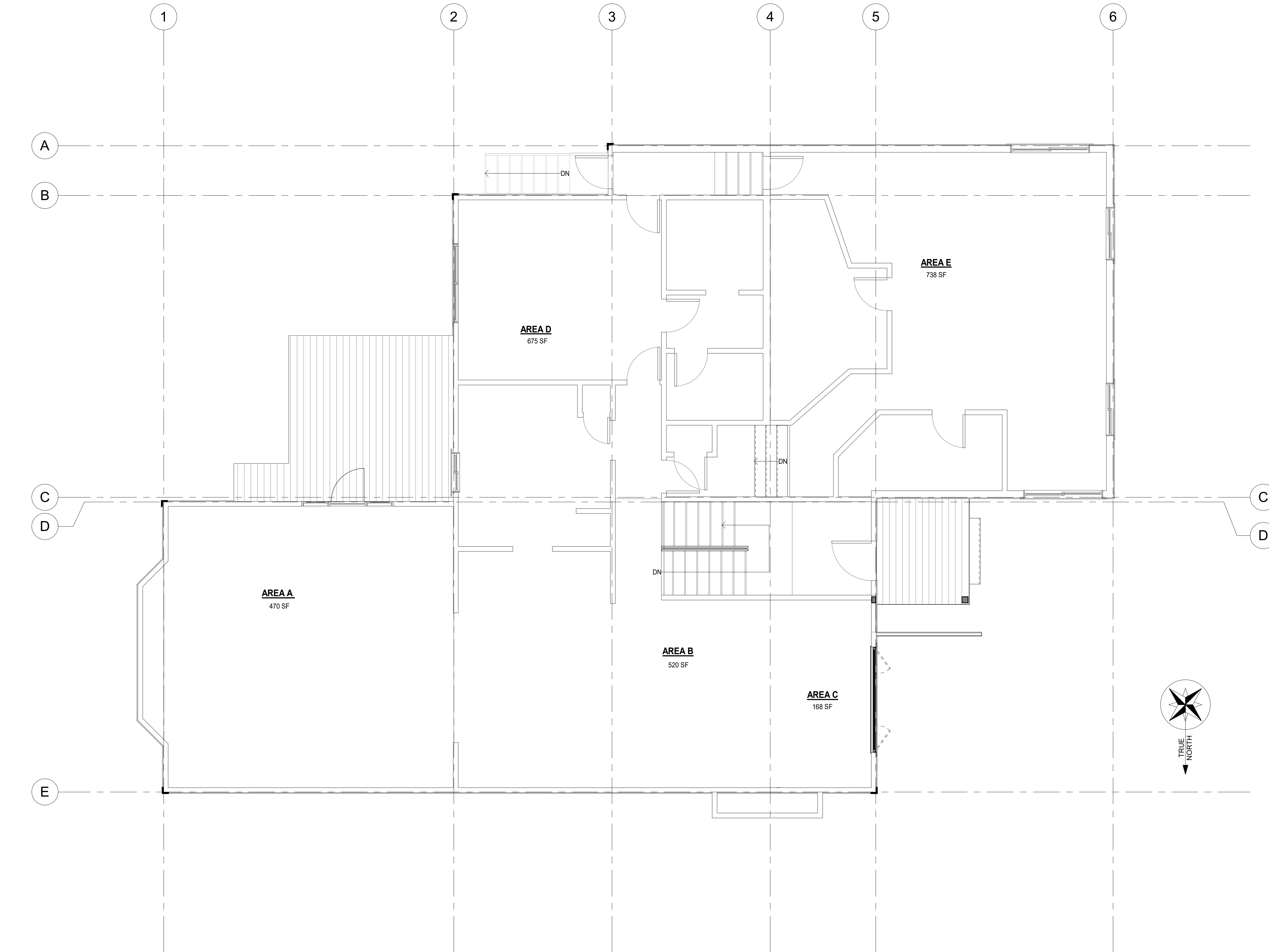


22x34 SHEET IS FULL SCALE
11x17 SHEET IS HALF SCALE

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1 OVERALL FLOOR PLAN
G1.02 1/4" = 1'-0"

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ANNA M. LED
2-20-24
No. 12185
REGISTERED PROFESSIONAL ENGINEER

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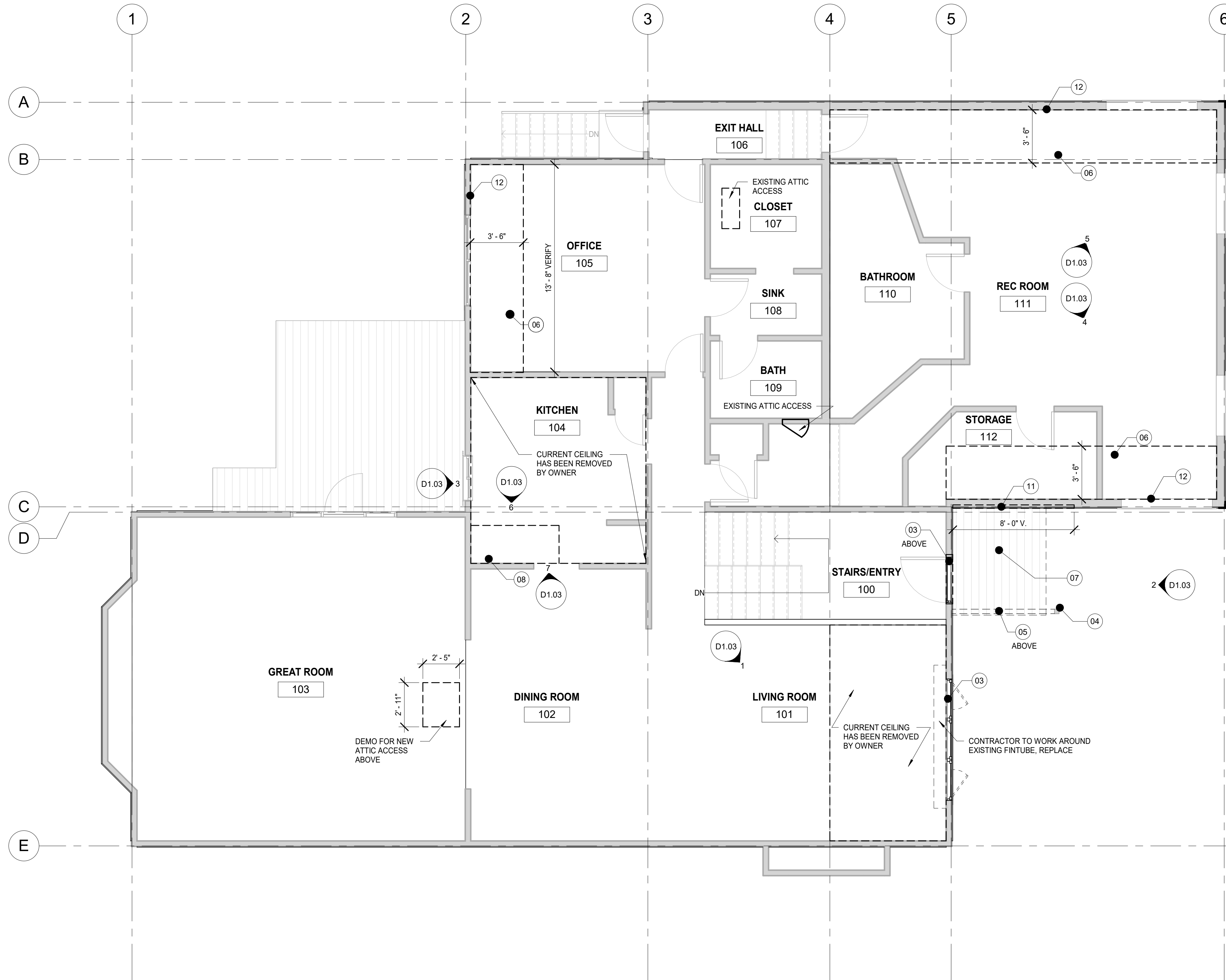
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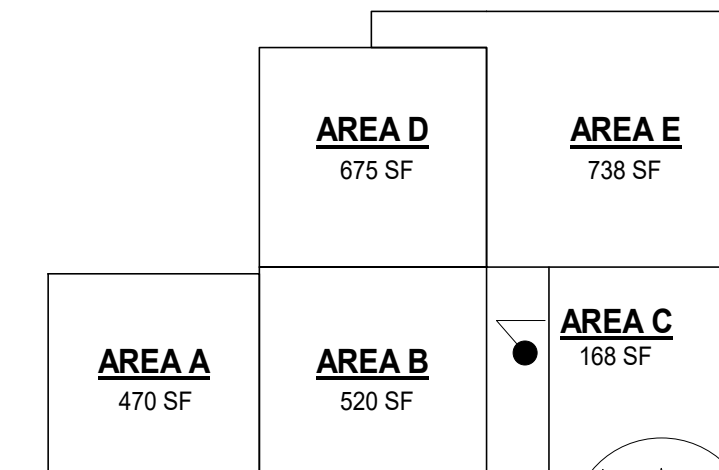
1 MAIN FLOOR - DEMOLITION PLAN
D1.01 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

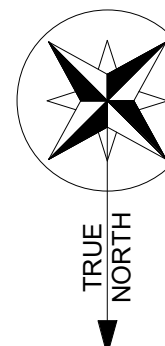
- CONTRACTOR IS RESPONSIBLE FOR ALL EXISTING CONDITIONS AND ALL UNFORESEEN ISSUES AT EXISTING WALLS, CEILINGS, AND FLOORS.
- CONTACT OWNER WITH ANY QUESTIONS.
- IF THE CONTRACTOR SUSPECTS ANY LEAD, ASBESTOS, OR ANY OTHER HAZARDOUS MATERIALS CONTACT THE OWNER IMMEDIATELY.
- REPAIR & PATCH ALL SURFACES WHEN REMOVING ANY ITEMS FROM ANY SURFACE, AS WELL AS AT EXISTING CONDITIONS FROM PREVIOUS DEMOLITION.
- ALL NEW PATCHING AND REPAIR TO MATCH EXISTING.
- NOTIFY OWNER IMMEDIATELY DURING DEMOLITION IF ELECTRICAL INSTALLATIONS ARE PRESENT IN EQUIPMENT BEING DEMOLISHED OR MAY BE AFFECTED BY ONGOING DEMOLITION EFFORTS.
- NOTIFY OWNER IMMEDIATELY DURING DEMOLITION IF PLUMBING & MECHANICAL INSTALLATIONS ARE PRESENT IN EQUIPMENT BEING DEMOLISHED OR MAY BE AFFECTED BY ONGOING DEMOLITION EFFORTS.
- OWNER HAS REMOVED SEVERAL ITEMS, SUCH AS: COUNTERTOPS, CABINETRY, SINKS, DOORS, WALLS, FLOORING, BLINDS, ETC. VERIFY CONDITIONS OF ALL SURFACES. PATCH & REPAIR TO MATCH EXISTING.
- DEMOLISH WINDOW OPENINGS PER MANUFACTURER ROUGH OPENING SIZE REQUIREMENTS.
- VERIFY ALL EXISTING CONDITIONS FOR MECHANICAL AND ELECTRICAL.

DEMOLITION KEYNOTES

- REMOVE EXISTING ROOF
- REMOVE EXISTING GUTTER & DOWNSPOUTS. REPLACE ANY DAMAGED FASCIAS & DRIP EDGES
- REMOVE EXISTING WINDOW & FRAME
- REMOVE EXISTING COLUMN
- REMOVE EXISTING BEAM
- REMOVE EXISTING GYPSUM BOARD, VAPOR BARRIER, AND INSULATION AS INDICATED
- REMOVE EXISTING DECK, COMPLETE
- REMOVE EXISTING CEILING SOFFIT
- REMOVE & SALVAGE EXISTING RIDGE VENT. CUT ROOF SHEATHING BELOW 1 1/2" FROM TOP OF RIDGE. REINSTALL EXISTING RIDGE VENT
- REMOVE AND REPLACE EXISTING 2X6 FASCIA AND METAL DRIP EDGE. PAINT FASCIA TO MATCH EXISTING. REPLACE DRIP EDGE WITH NEW TYPE "D" METAL DRIP EDGE
- REMOVE & REPLACE SIDING. LOCATE BLOCKING AS INDICATED ON STRUCTURAL INSIDE WALL
- REMOVE GYPSUM WALL BOARD TO ALLOW SOFFIT CONSTRUCTION



KEY PLAN



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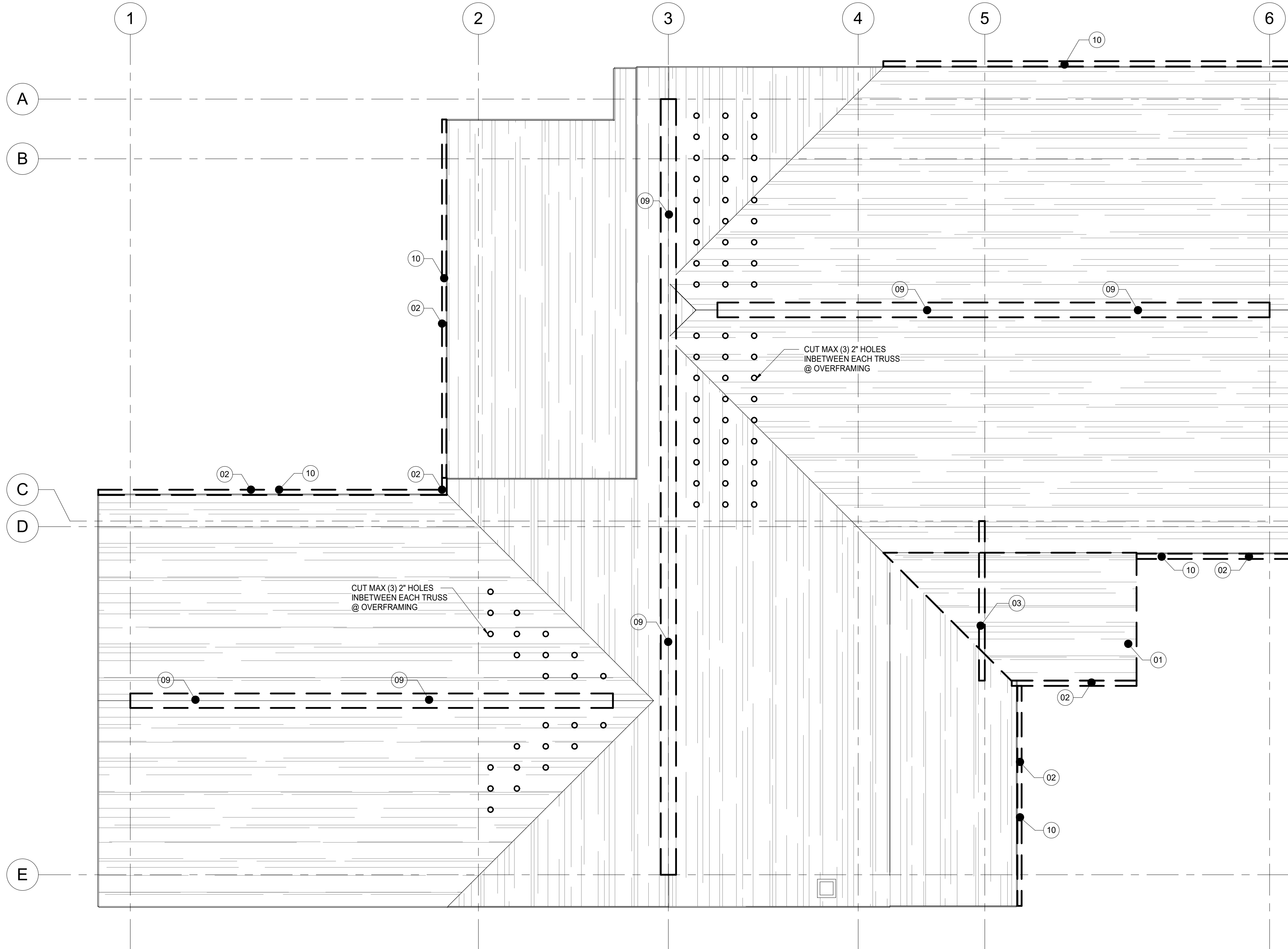
SHEET CONTENTS
MAIN FLOOR DEMOLITION

SHEET NO
D1.01

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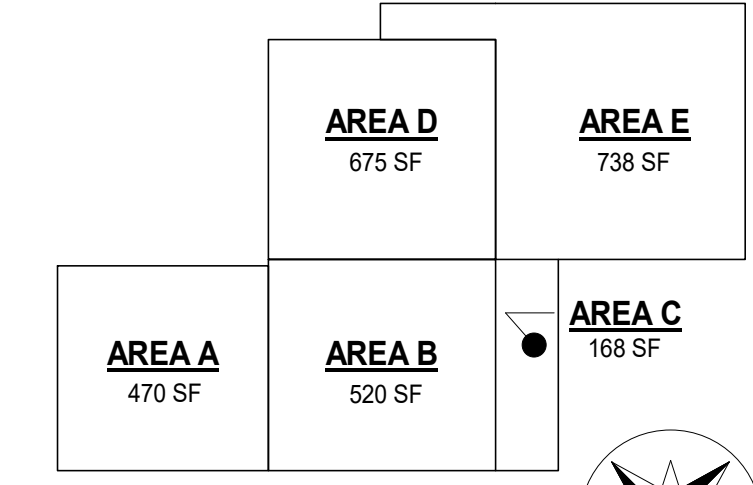
1 ROOF PLAN DEMO
D1.02 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

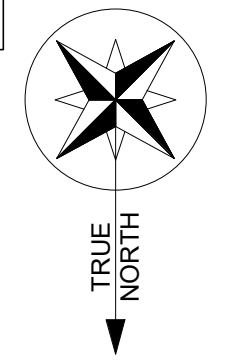
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ROOF - DEMOLITION PLAN

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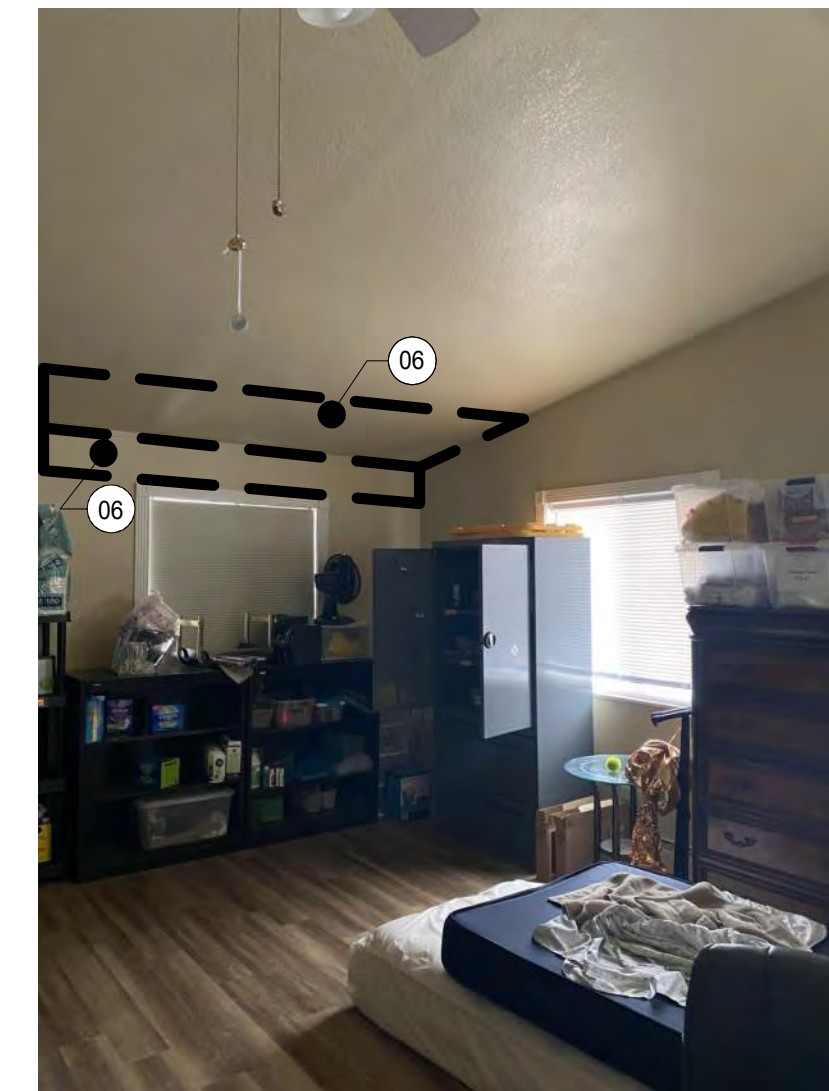
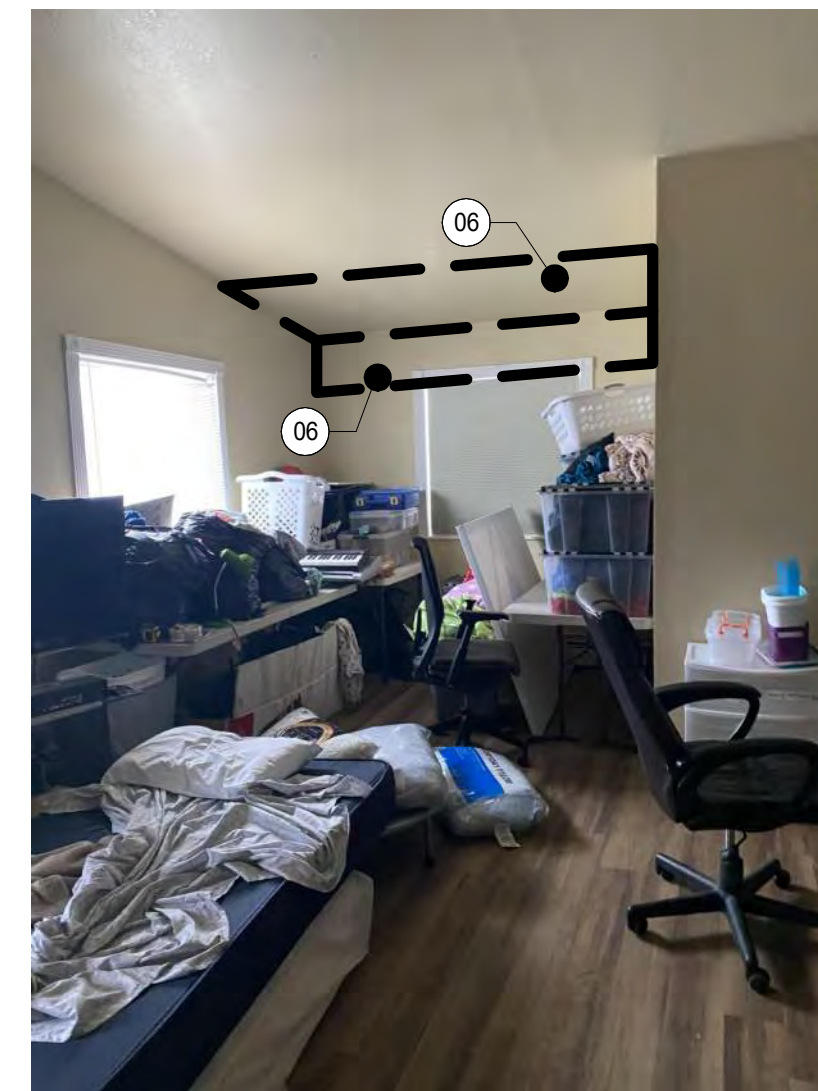
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1 LIVING ROOM DEMOLITION
D1.03 1/4" = 1'-0"

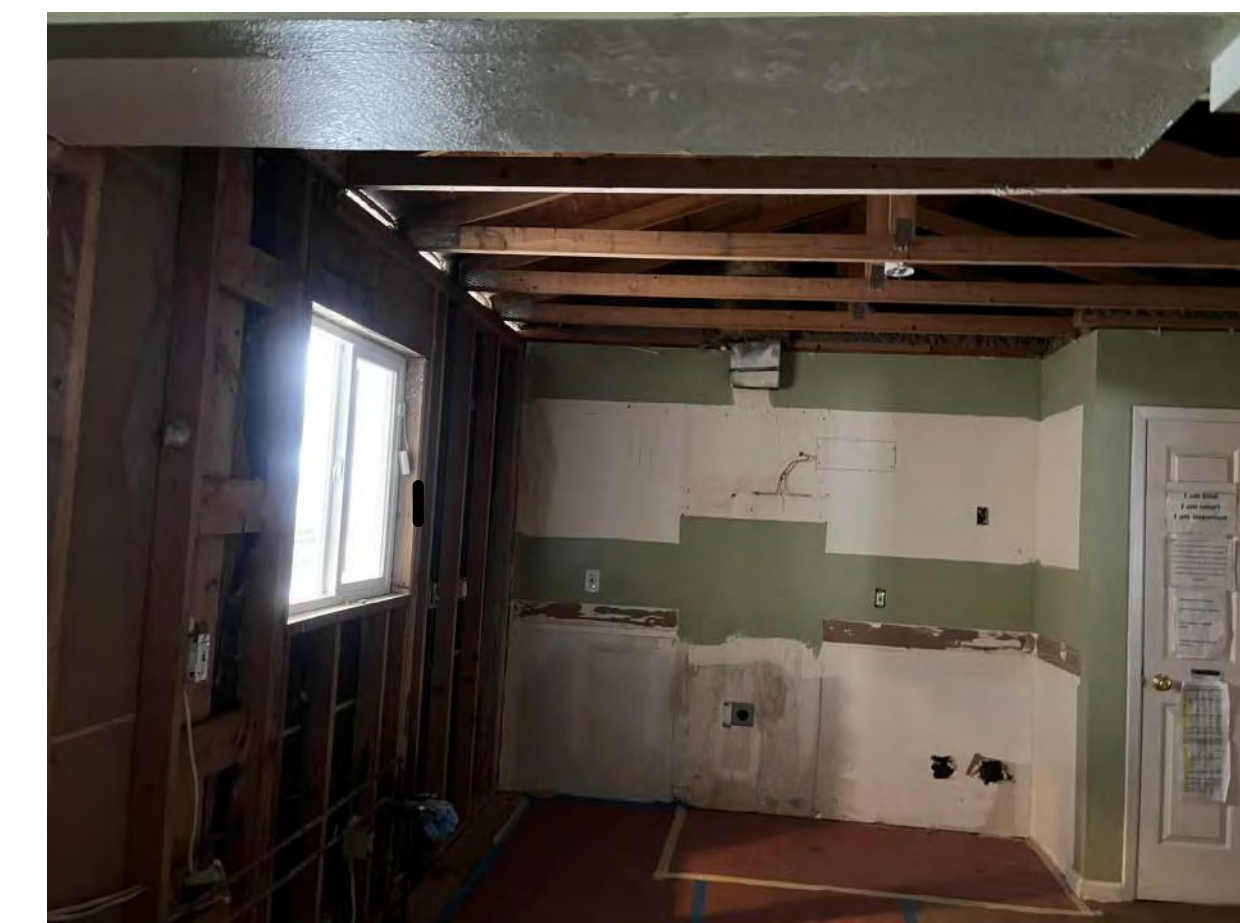
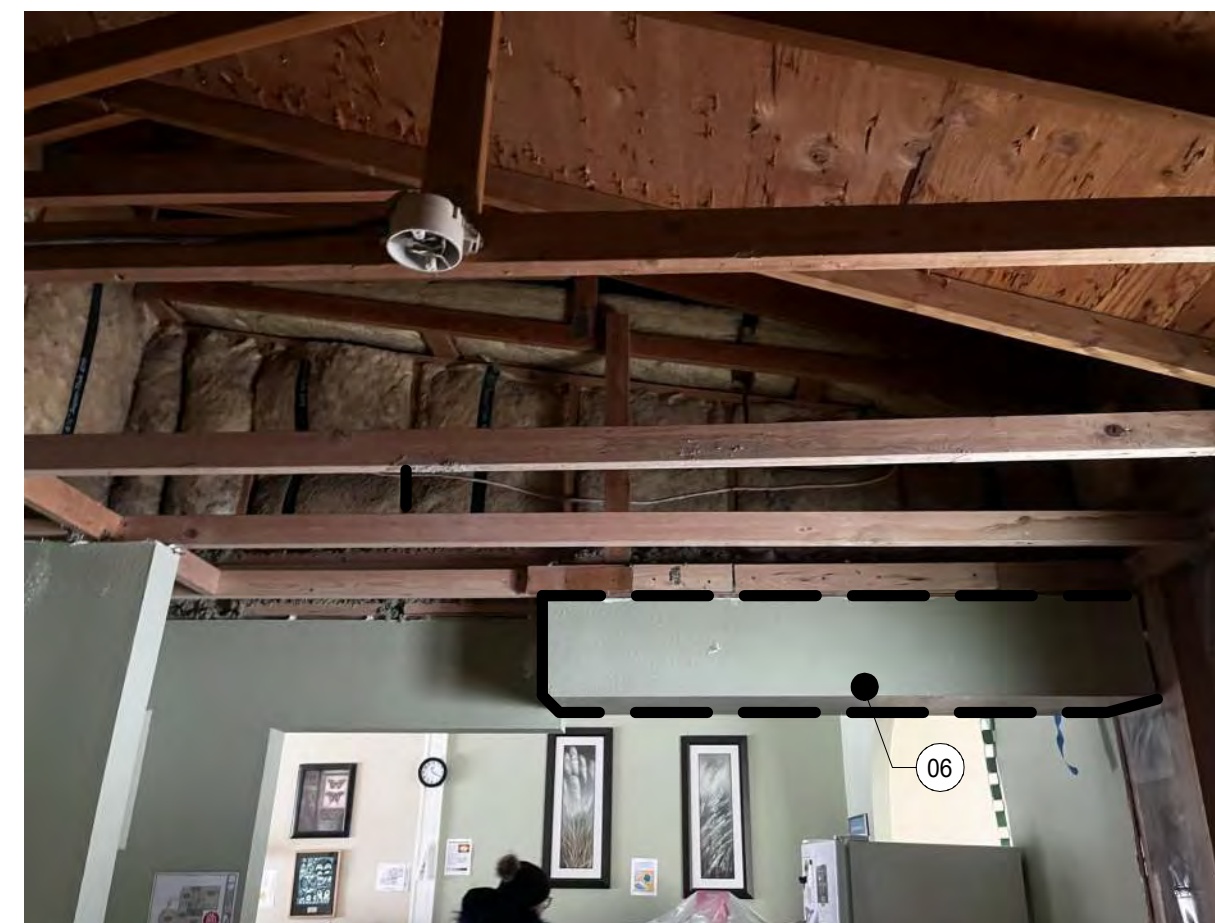
2 FRONT OF HOUSE DEMOLITION
D1.03 1/4" = 1'-0"



3 OVERHANG AT BACK OF HOUSE
D1.03 1/4" = 1'-0"

4 REC ROOM DEMOLITION 1
D1.03 1/4" = 1'-0"

5 REC ROOM DEMOLITION 2
D1.03 1/4" = 1'-0"



6 KITCHEN SOFFIT VIEW
D1.03 1/4" = 1'-0"

7 EXISTING KITCHEN VIEW
D1.03 1/4" = 1'-0"

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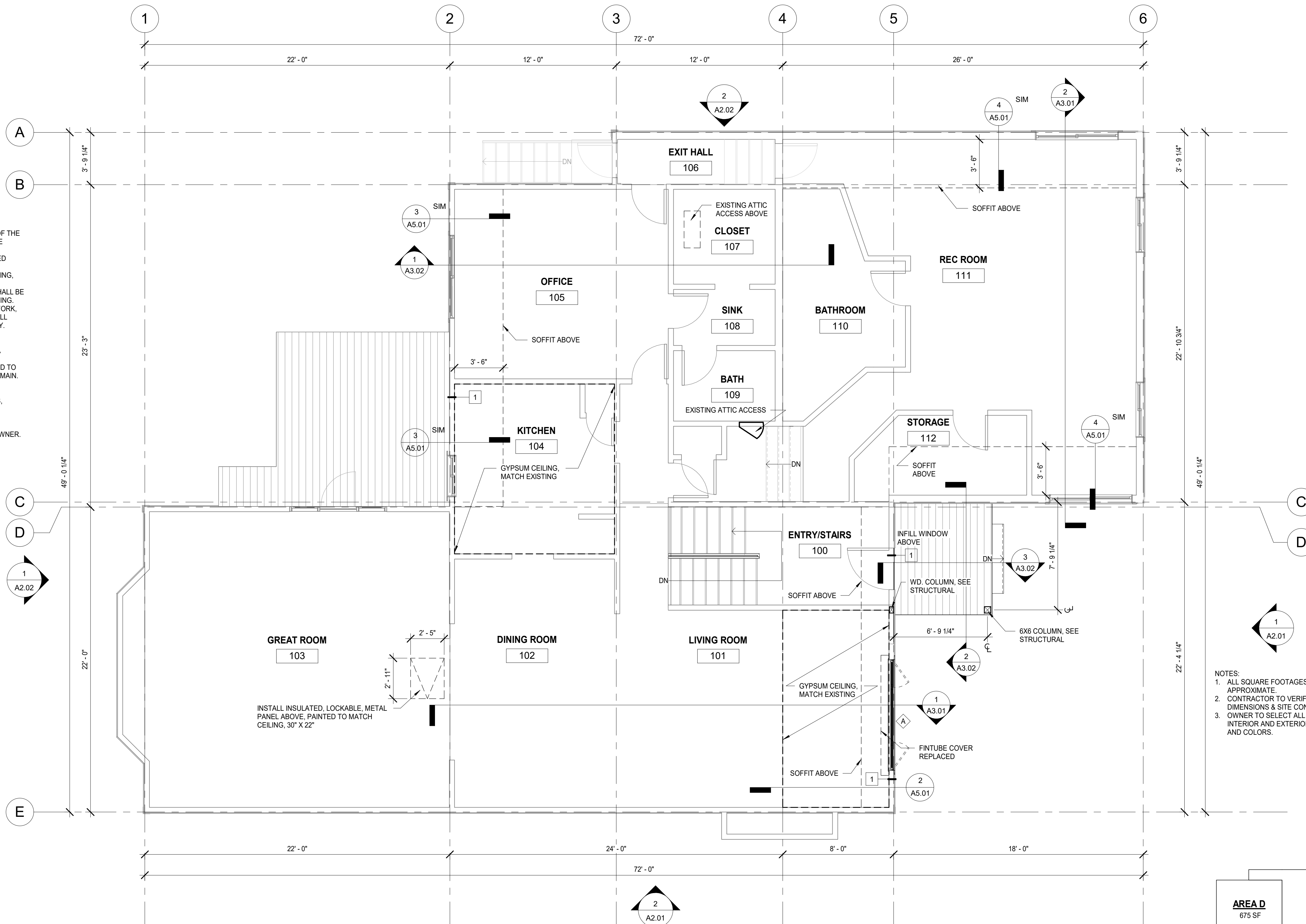
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- ALL DIMENSIONS ARE TO FACE OF FOUNDATION OR FACE OF STUDS UNLESS NOTED OTHERWISE.
- ALL MATERIALS INDICATED SHALL BE NEW UNLESS SPECIFICALLY NOTED AS EXISTING, RELOCATED, SALVAGED, OR SIMILAR LANGUAGE.
- FIELD CONDITIONS WHICH DIFFER MATERIALLY FROM THOSE DEPICTED HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ARCHITECT PRIOR TO PROCEEDING.
- THESE DRAWINGS ARE INTENDED TO CONVEY A GENERAL SENSE OF REQUIRED WORK, AND DO NOT ADDRESS EVERY FIELD CONDITION. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE FACILITY.
- CONTRACTOR SHALL COMPLY WITH STATE, LOCAL AND FEDERAL REGULATIONS REGARDING DEMOLITION, HANDLING AND DISPOSAL OF REGULATED MATERIALS. CONTRACTOR SHALL ALSO COMPLY WITH FEDERAL AND STATE OSHA REQUIREMENTS FOR WORKER PROTECTION.
- UPON COMPLETION OF THE WORK, ALL AFFECTED AREAS SHALL BE FINAL CLEANED TO INCLUDE FINISHES, SURFACES, AND FIXTURES AND IDENTIFIED AS EXISTING TO REMAIN. DO NOT SCALE THE DRAWINGS TO OBTAIN CONSTRUCTION DIMENSIONS.
- ALL INFORMATION SHOULD BE FIELD VERIFIED BEFORE WORK PROCEEDS. ANY DISCREPANCIES FOUND BETWEEN DRAWINGS, DISCIPLINES OR FIELD CONDITIONS, CONTACT THE ARCHITECT IMMEDIATELY.
- FEATHER NEW WALL MATERIALS INTO EXISTING MATERIALS TO MATCH AND BE AN UNNOTICEABLE DIFFERENCE.
- ALL FINAL INTERIOR AND EXTERIOR FINISHES AND COLORS TO BE SELECTED BY OWNER.

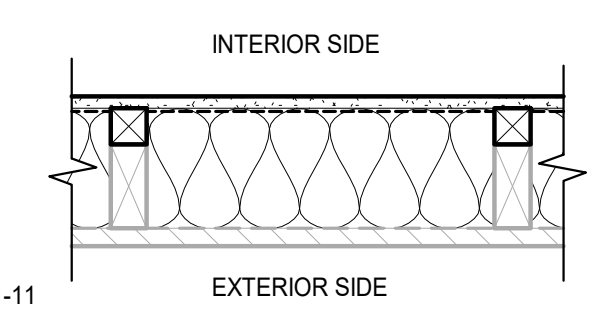


1 MAIN FLOOR
A1.01
1/4" = 1'-0"

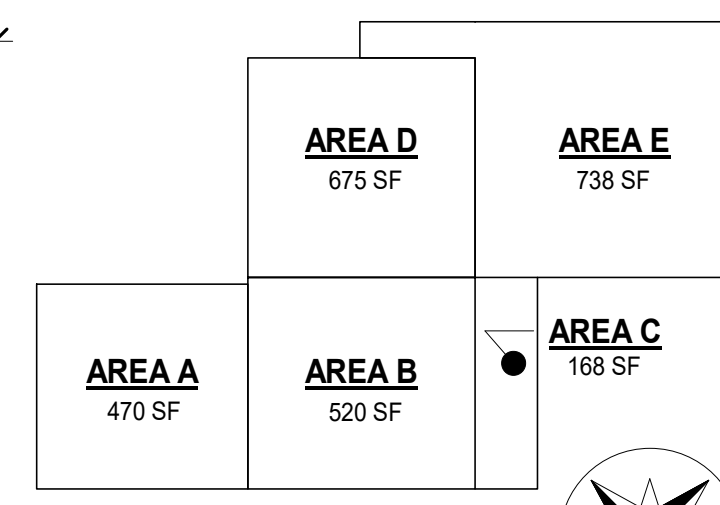
- NOTES:**
- ALL SQUARE FOOTAGES ARE APPROXIMATE.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS & SITE CONDITIONS.
 - OWNER TO SELECT ALL FINAL INTERIOR AND EXTERIOR FINISHES AND COLORS.

WALL ASSEMBLY SCHEDULE

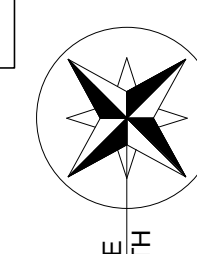
- 1 EXTERIOR WALL, TYP.
- 5/8" GYPSUM WALL BOARD
 - VAPOR RETARDER
 - 2X2 WOOD FURRING
 - EXISTING 2X6 WOOD STUDS, SEE STRUCTURAL
 - R-21 MIN. BATT INSULATION
 - EXISTING BUILDING WRAP
 - EXISTING WALL SHEATHING / SIDING, T1-11



NOTE:
AT INFILL OF REMOVED WINDOW, PATCH BUILDING WRAP



KEY PLAN



22x34 SHEET IS FULL SCALE
11x17 SHEET IS HALF SCALE

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SHEET CONTENTS

MAIN FLOOR PLAN & WALL ASSEMBLY SCHEDULE

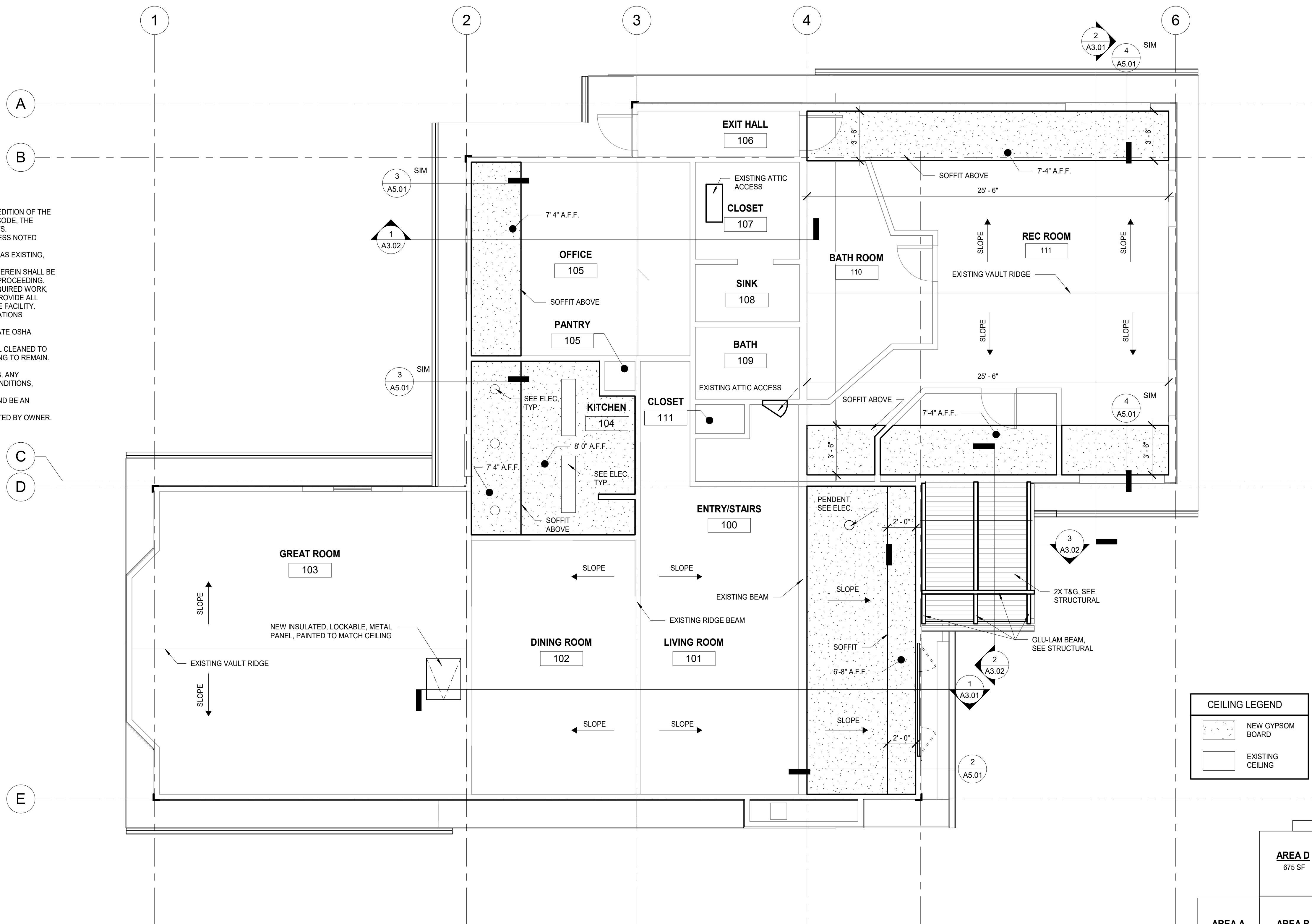
SHEET NO
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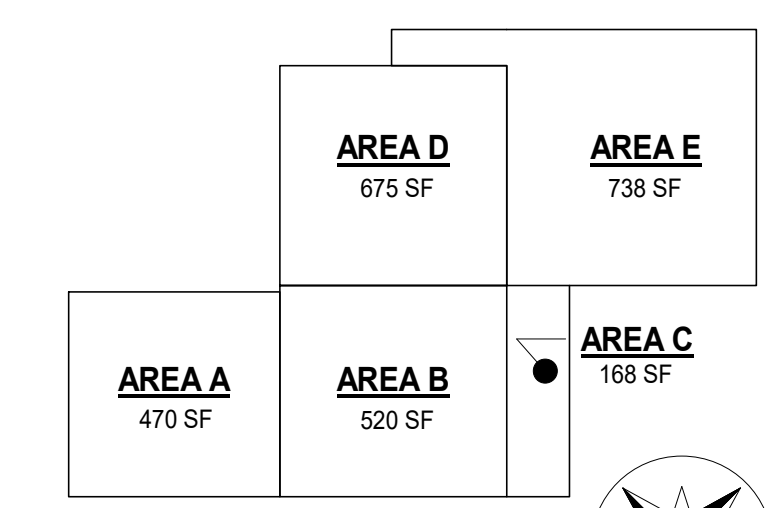
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9. FEATHER NEW WALL MATERIALS INTO EXISTING MATERIALS TO MATCH AND BE AN UNNOTICEABLE DIFFERENCE.
10. ALL FINAL INTERIOR AND EXTERIOR FINISHES AND COLORS TO BE SELECTED BY OWNER.



CEILING LEGEND

	NEW GYPSOM BOARD
	EXISTING CEILING



1 REFLECTED CEILING PLAN
A1.02 1/4" = 1'-0"

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REFLECTED CEILING PLAN

SHEET NO

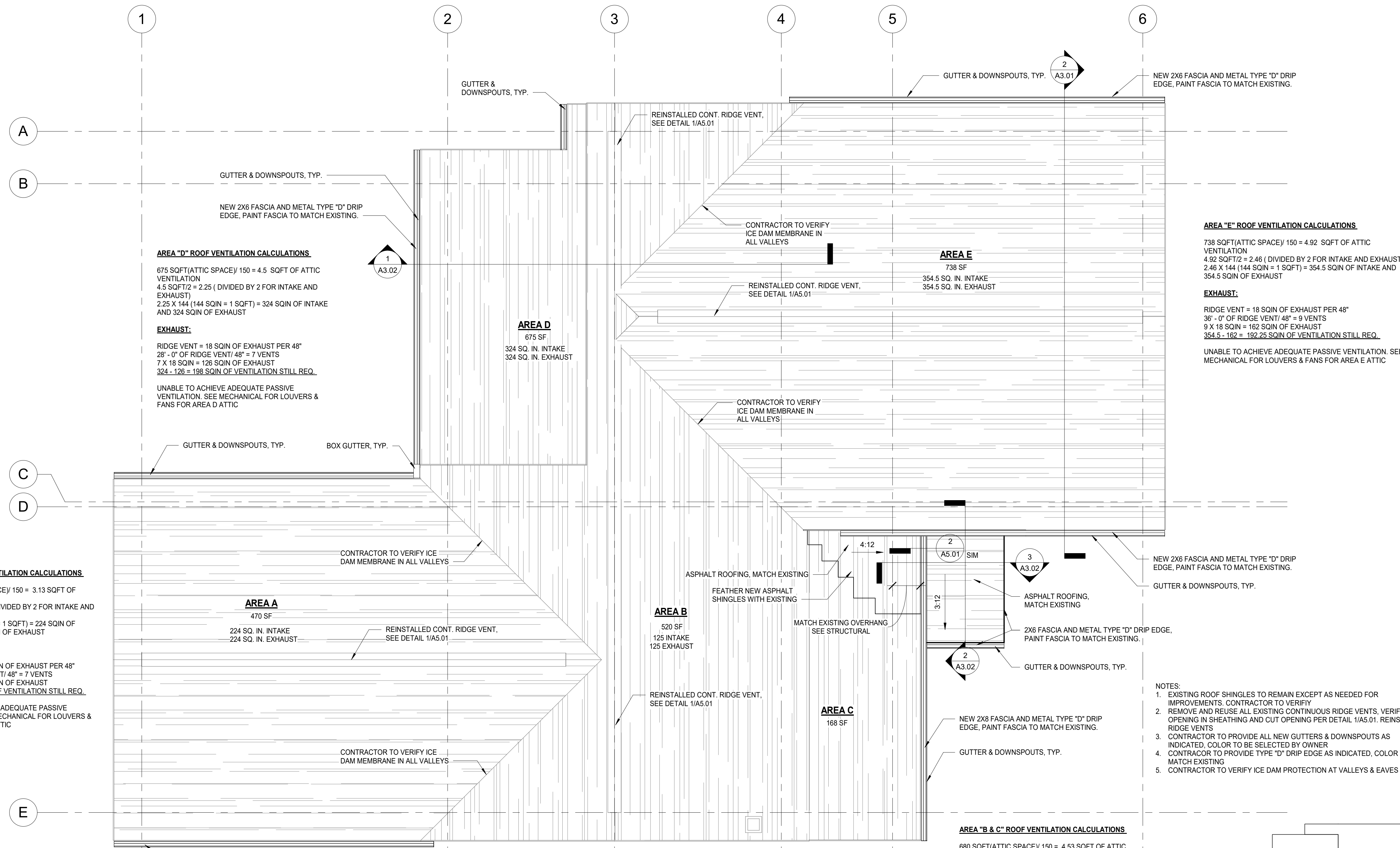
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22x34 SHEET IS FULL SCALE
11x17 SHEET IS HALF SCALE

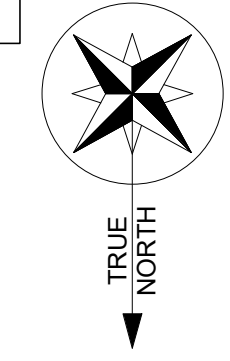
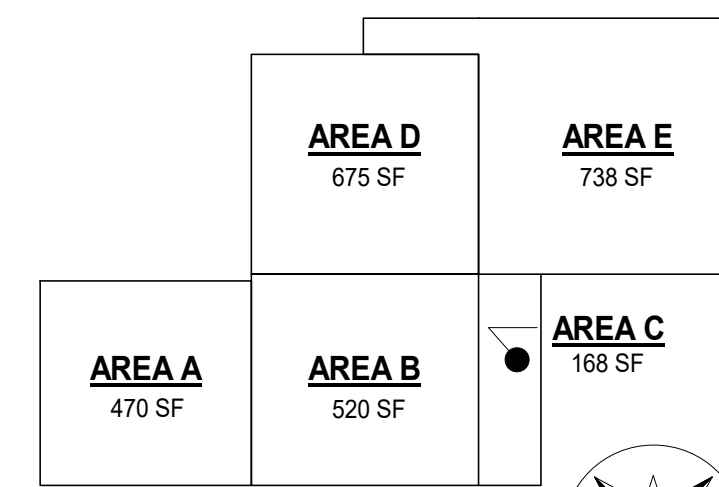
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1 ROOF PLAN
A1.03 1/4" = 1'-0"



- NOTES:
- EXISTING ROOF SHINGLES TO REMAIN EXCEPT AS NEEDED FOR IMPROVEMENTS. CONTRACTOR TO VERIFY
 - REMOVE AND REUSE ALL EXISTING CONTINUOUS RIDGE VENTS. VERIFY OPENING IN SHEATHING AND CUT OPENING PER DETAIL 1/A5.01. REINSTALL RIDGE VENTS
 - CONTRACTOR TO PROVIDE ALL NEW GUTTERS & DOWNSPOUTS AS INDICATED. COLOR TO BE SELECTED BY OWNER
 - CONTRACTOR TO PROVIDE TYPE "D" DRIP EDGE AS INDICATED, COLOR TO MATCH EXISTING
 - CONTRACTOR TO VERIFY ICE DAM PROTECTION AT VALLEYS & EAVES



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SHEET CONTENTS
 ROOF PLAN

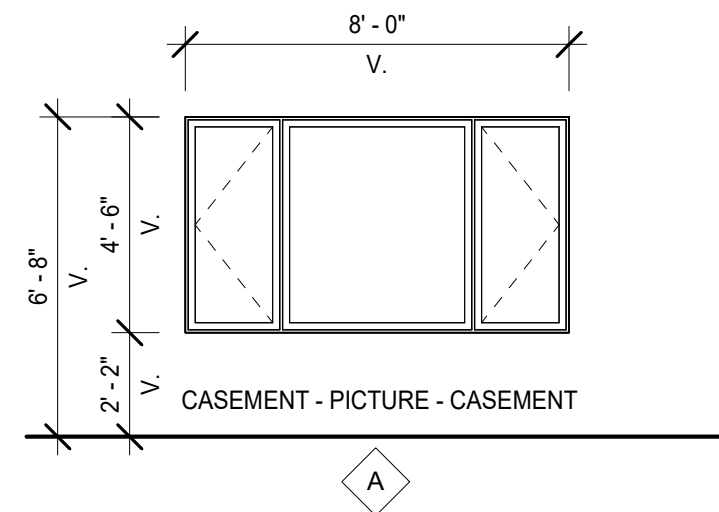
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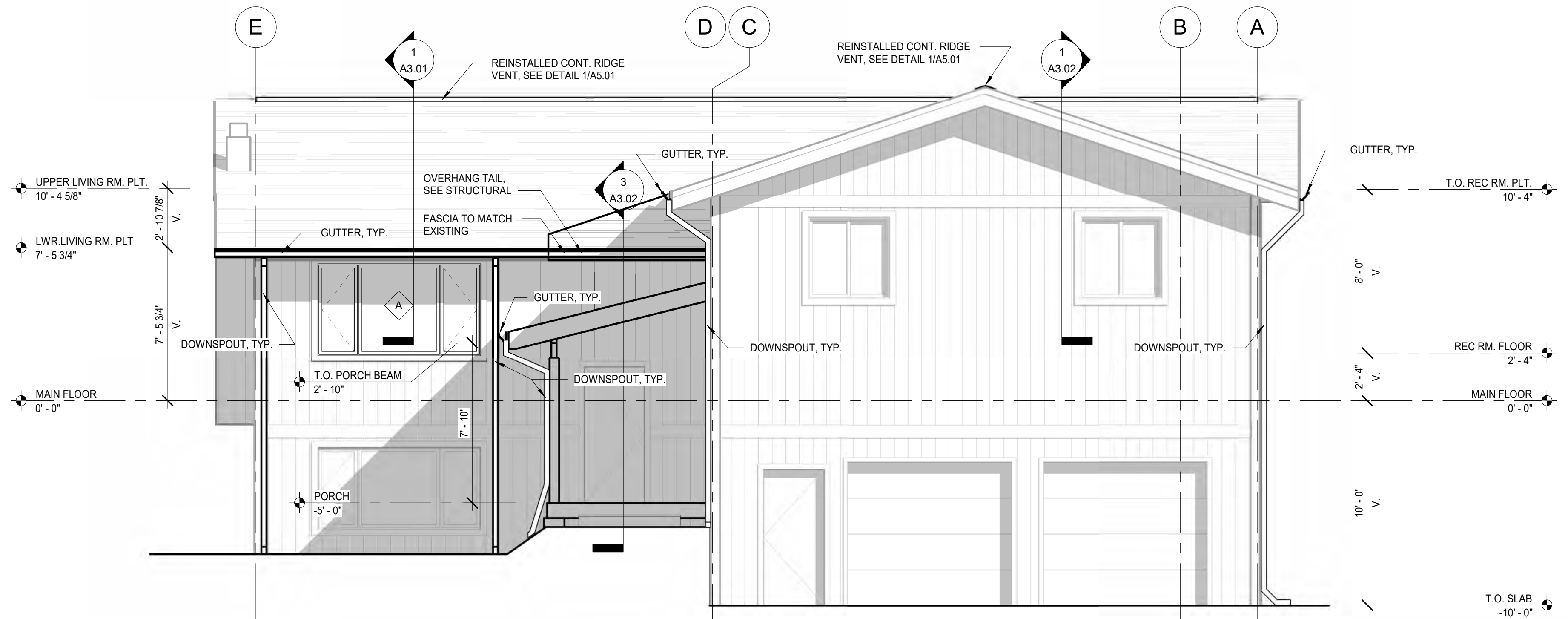
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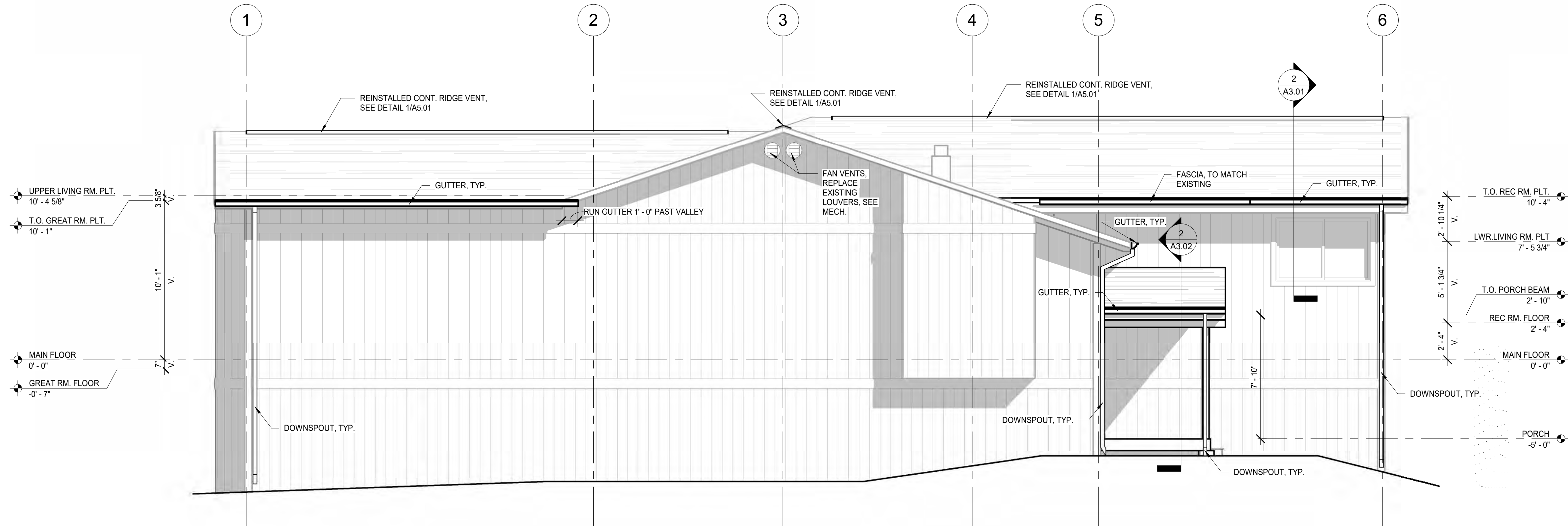
- NOTE:**
1. DIMENSIONS ARE ASSUMED R.O CONTRACTOR TO VERIFY ACTUAL OPENING FOR REPLACEMENT WINDOW
 2. ALL GLAZING TO BE LOW-E
 3. MANUFACTURER TO PROVIDE GLAZING CALCULATIONS FOR WIND LOADS
 4. OWNER TO VERIFY AND APPROVE FINAL SELECTION OF WINDOWS
 5. WINDOWS TO BE TRIPLE PANED



3 WINDOW SCHEDULE
A2.01 1/4" = 1'-0"



1 WEST ELEVATION
A2.01 1/4" = 1'-0"



2 NORTH ELEVATION
A2.01 1/4" = 1'-0"

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SHEET CONTENTS

EXTERIOR ELEVATIONS

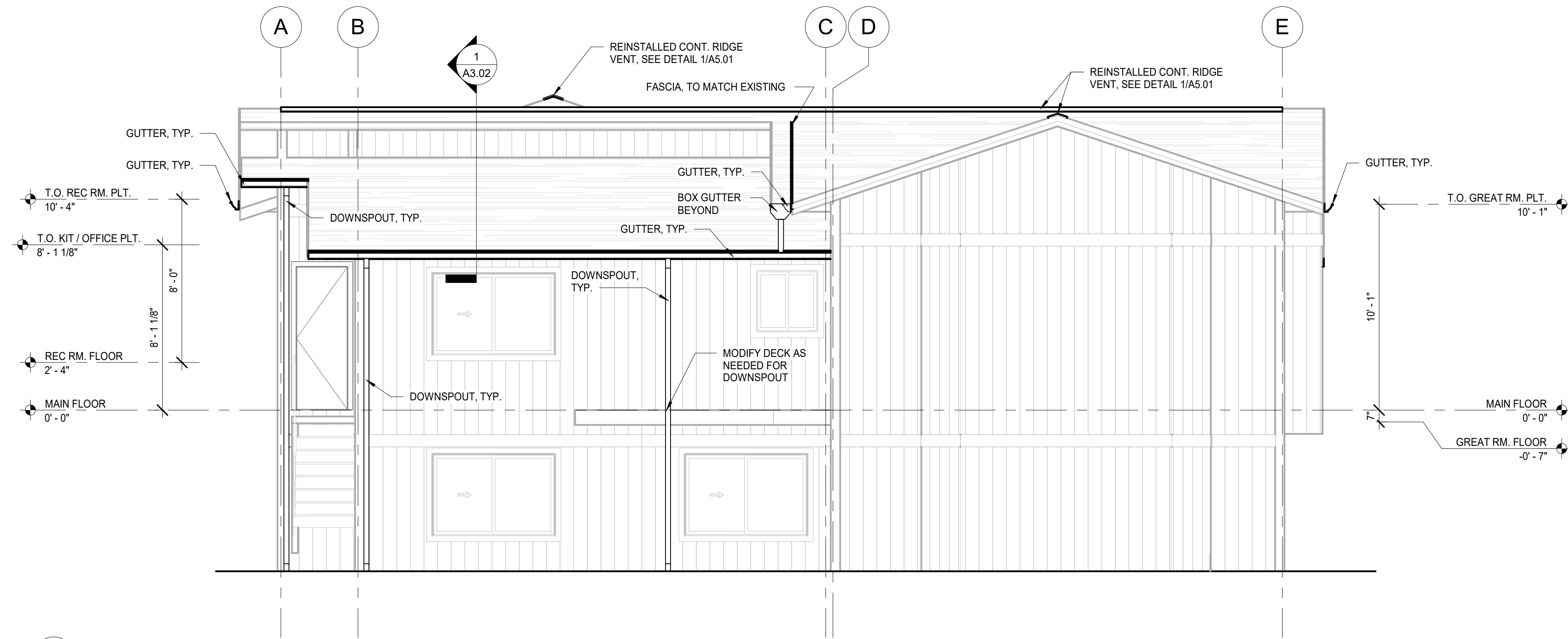
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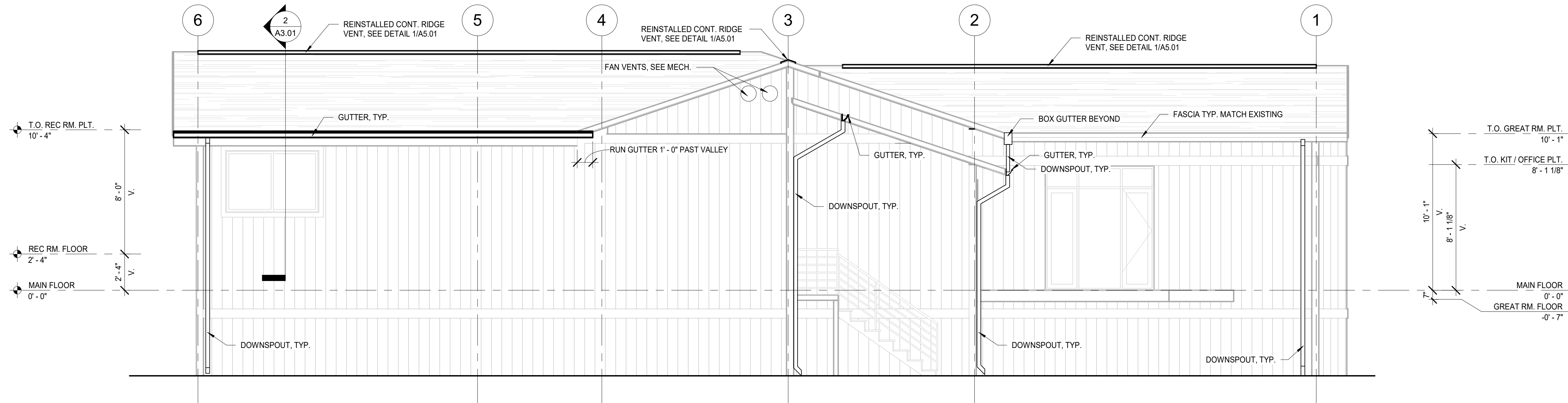
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11x17 SHEET IS HALF SCALE

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1 EAST ELEVATION
A2.02 1/4" = 1'-0"



2 SOUTH ELEVATION
A2.02 1/4" = 1'-0"

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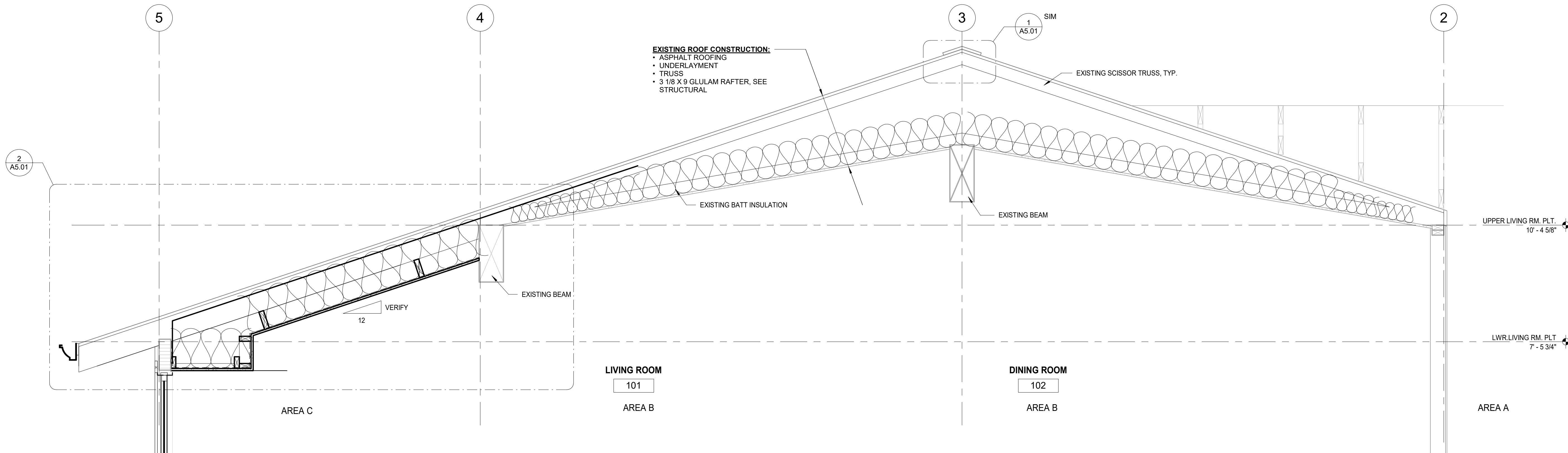
SHEET CONTENTS
EXTERIOR ELEVATIONS

SHEET NO
A2.02

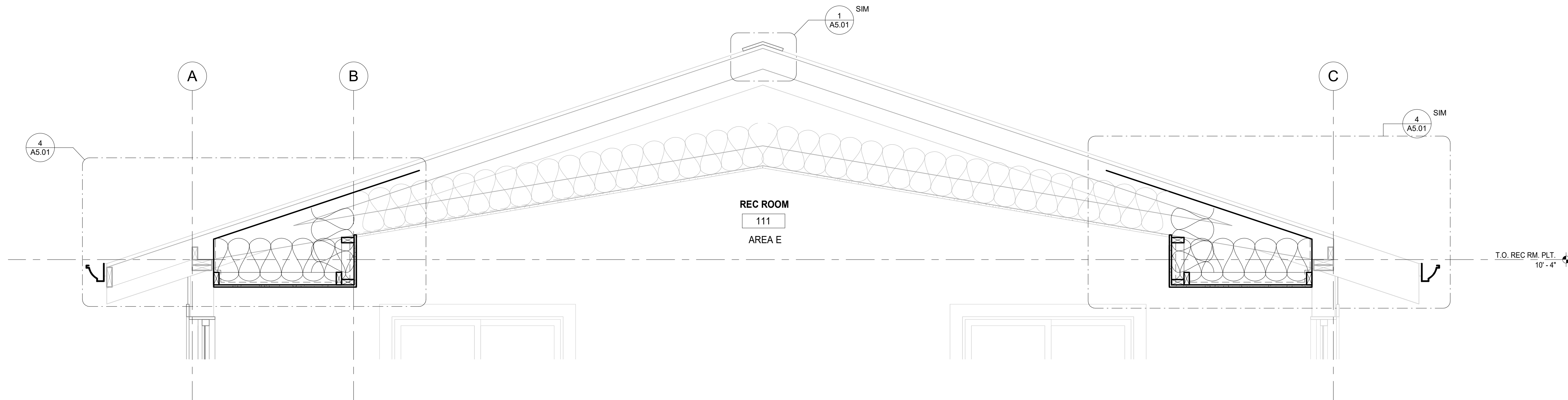
22x34 SHEET IS FULL SCALE
11x17 SHEET IS HALF SCALE

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1 SECTION AT LIVING ROOM (AREA B)
A3.01 3/4" = 1'-0"



2 SECTION AT REC ROOM (AREA E)
A3.01 3/4" = 1'-0"

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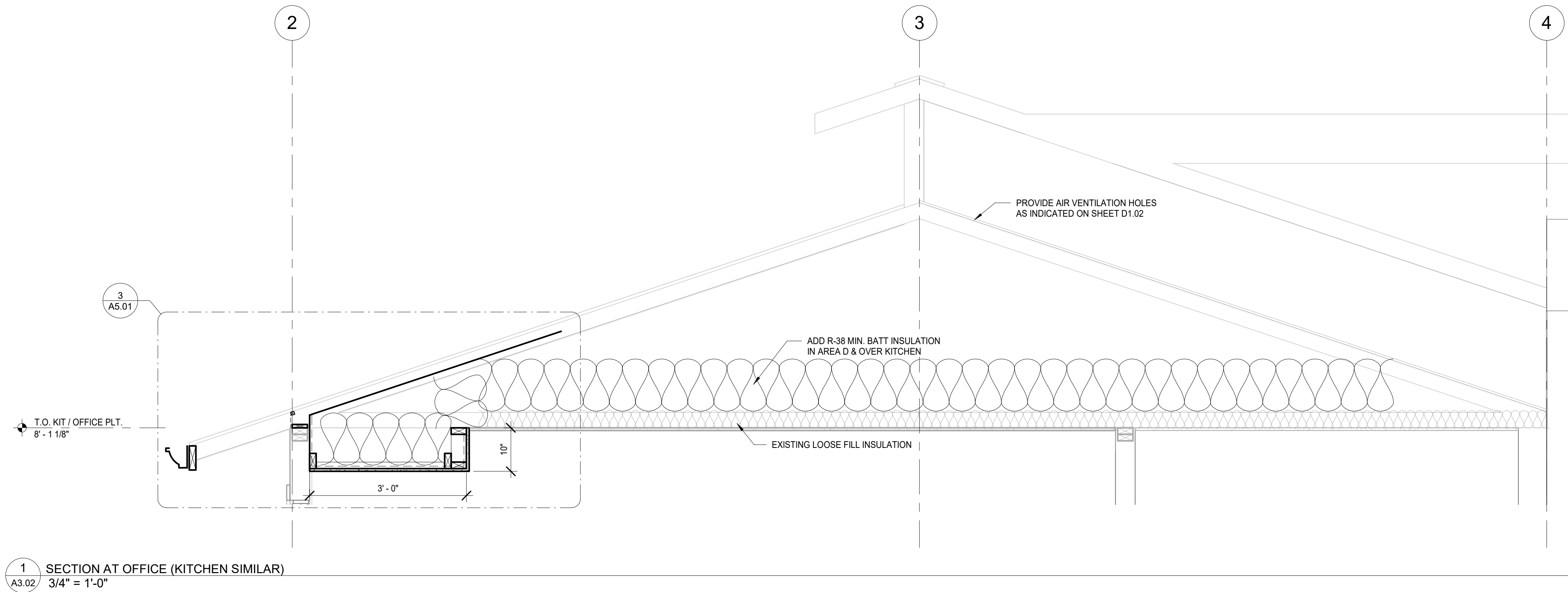
SHEET CONTENTS
ROOF SECTIONS

SHEET NO
A3.01

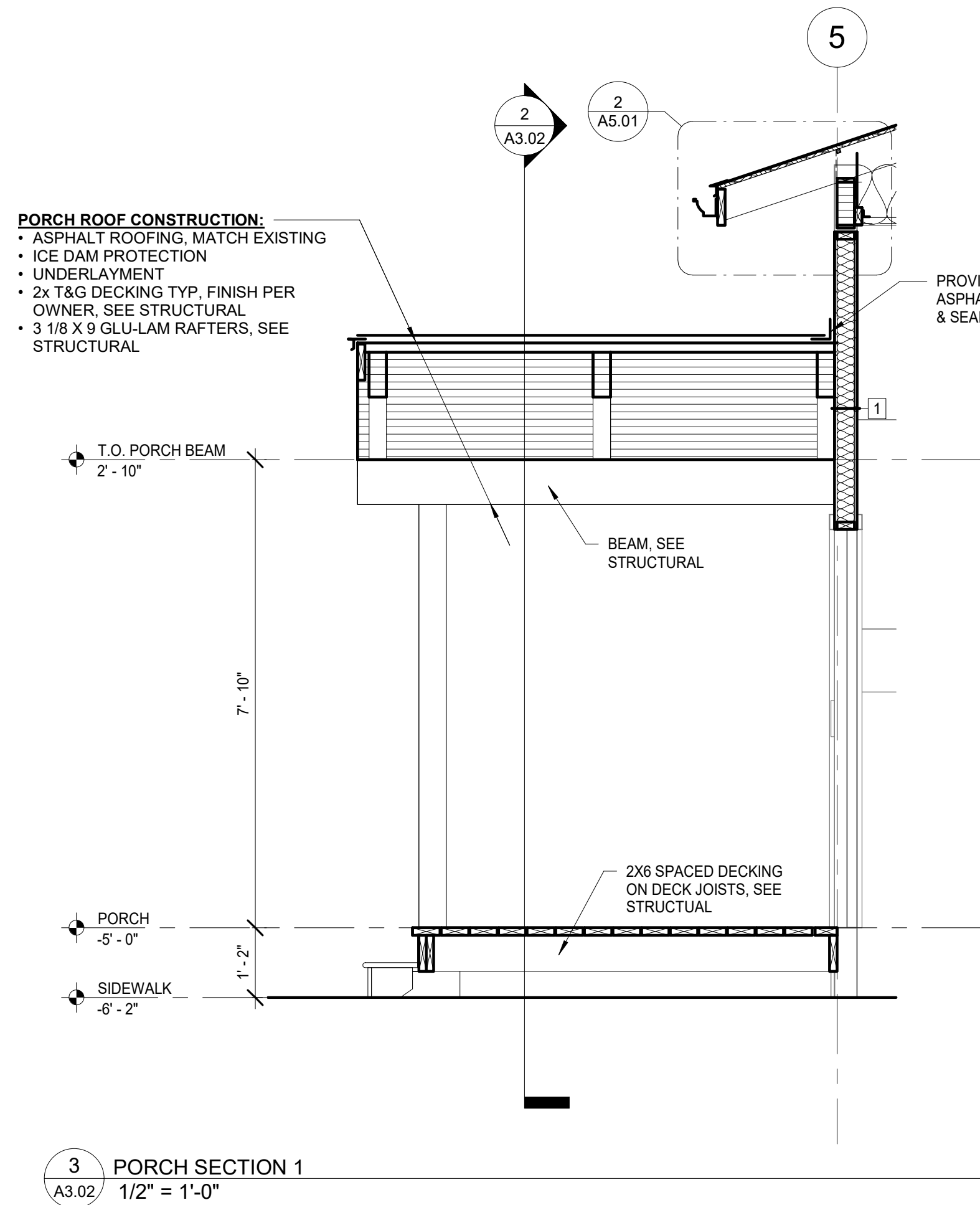
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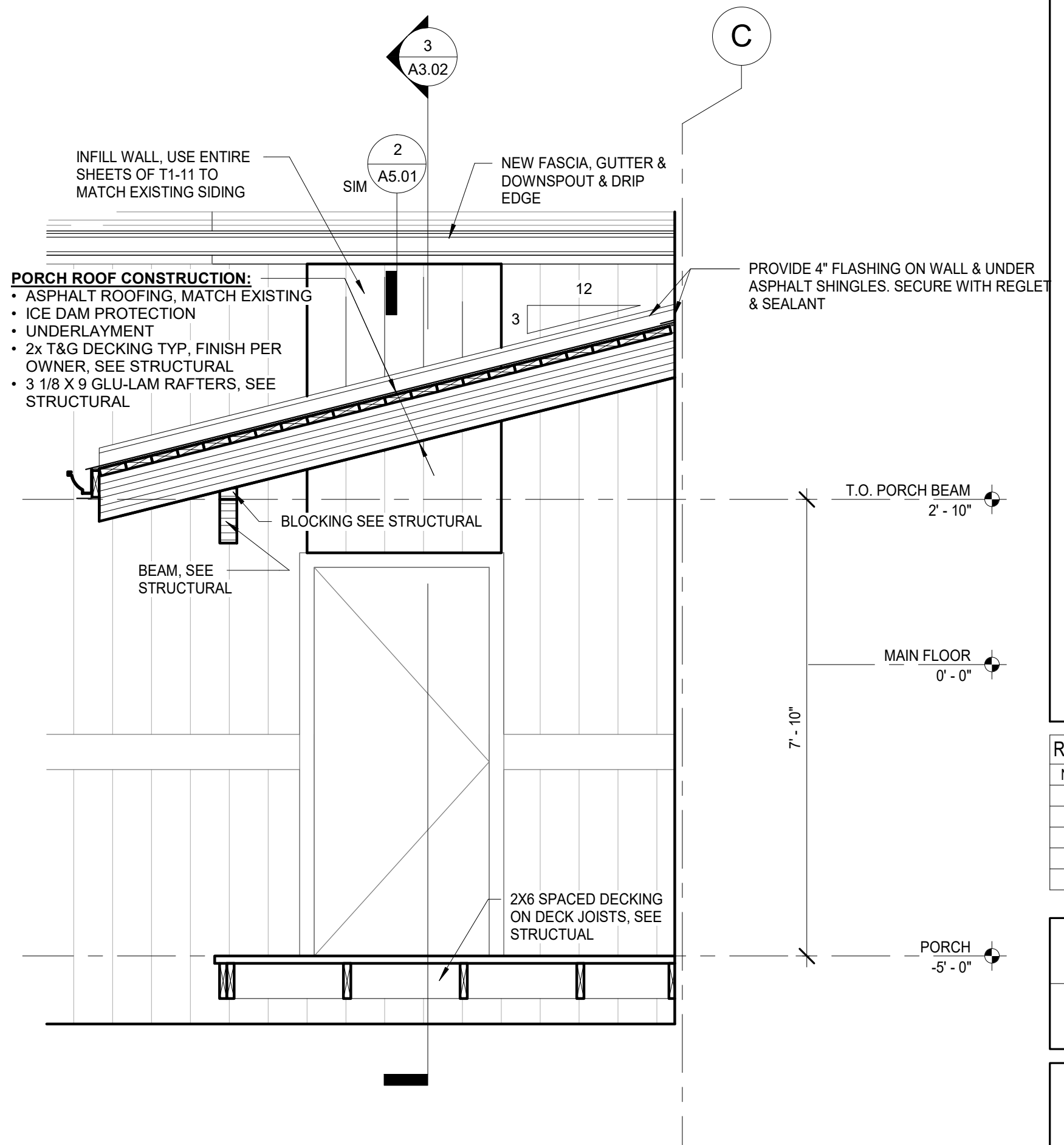
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1 SECTION AT OFFICE (KITCHEN SIMILAR)
A3.02 3/4" = 1'-0"



3 PORCH SECTION 1
A3.02 1/2" = 1'-0"



2 PORCH SECTION 2
A3.02 1/2" = 1'-0"

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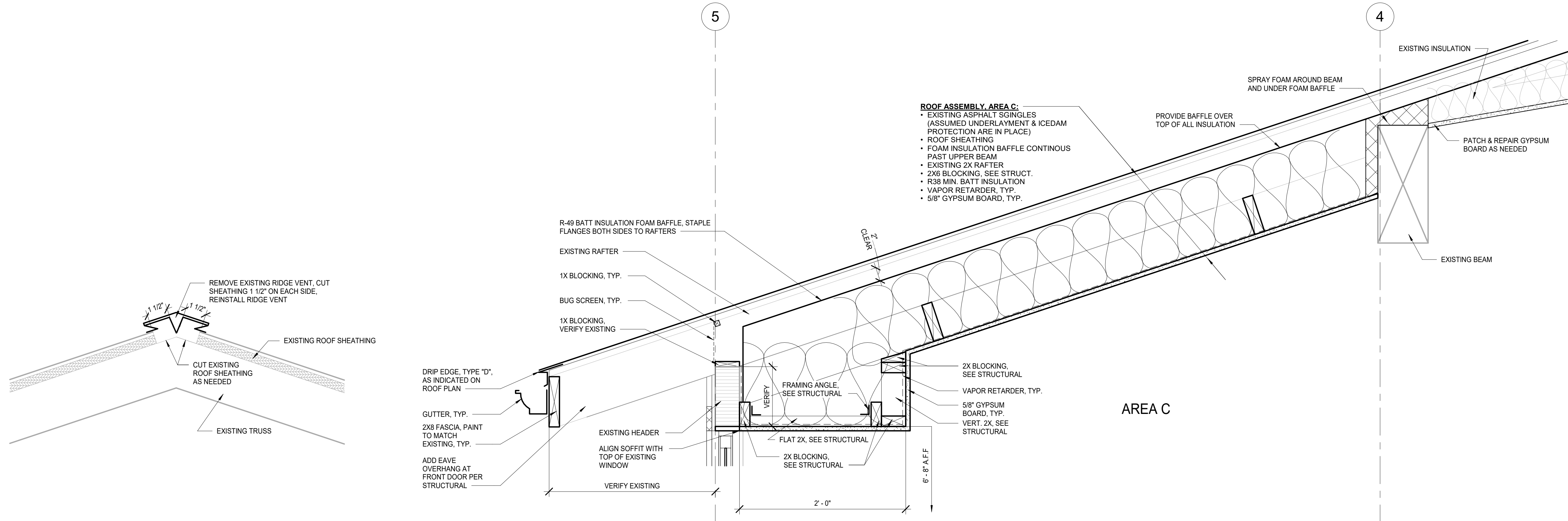
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ROOF/ BUILDING SECTIONS

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A3.02

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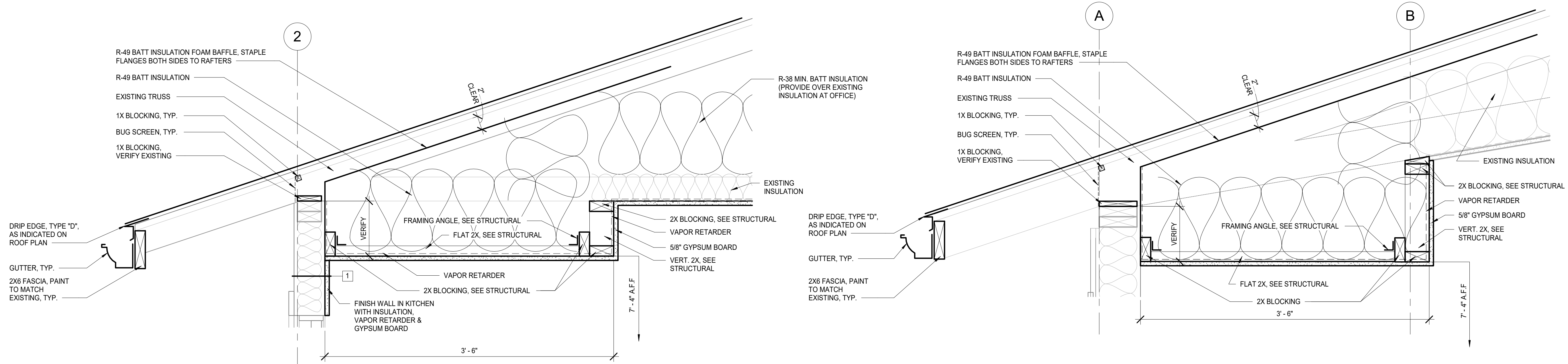
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1 RIDGE VENT DETAIL, TYP.
3" = 1'-0"

2 LIVING ROOM RAFTER DETAIL - AREA C
1 1/2" = 1'-0"



3 TYP. SOFFIT DETAIL - AREA D (KITCHEN & OFFICE)
1 1/2" = 1'-0"

4 TYP. SOFFIT DETAIL AREA E (REC ROOM)
1 1/2" = 1'-0"

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DETAILS

SHEET NO

A5.01

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11x17 SHEET IS HALF SCALE

GENERAL

THE CONTRACTOR MUST VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, REFERENCE STANDARDS, SITE CONDITIONS OR GOVERNING CODE, THE MORE STRINGENT REQUIREMENTS MUST GOVERN. CONTRACTOR MUST NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS MUST TAKE PRIORITY OVER GENERAL STRUCTURAL NOTES. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED AS TYP ON THE PLANS BUT MUST APPLY AS SHOWN OR DESCRIBED IN THE DETAILS.

ALL CONSTRUCTION MUST COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE (MOA).

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL FEDERAL, STATE AND LOCAL SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

STRUCTURAL DESIGN DATA

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE IBC AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE. RISK CATEGORY IS II IN ACCORDANCE WITH IBC SECTION 1604.5.

REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS, SLOPES, DEPRESSIONS, NON-BEARING WALLS, FIRE-PROOFING, FASCIA, CURBS, DRAINS, RAILINGS, WATERPROOFING, FINISHES, ETC.

THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING AND BRACING DURING CONSTRUCTION.

LIVE LOADS: RESIDENTIAL AREAS = 40 PSF

SNOW LOADS: GROUND SNOW (Pg) = 50 PSF
Is=1.0, Ct=1.0, Ce=1.0
ROOF SNOW (Ps) = 40 PSF SLOPED + DRIFT

WIND LOADS: BASIC WIND SPEED (3-SECOND GUST, Vult)=160 MPH,
EXPOSURE B, INTERNAL PRESSURE GCpi=±0.18 (FULLY ENCLOSED)

FOUNDATIONS

FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 1,500 PSF PER IBC TABLE 1806.2 PRESUMPTIVE LOAD BEARING VALUES

ALL ORGANIC, FROZEN, OR OTHER UNSUITABLE MATERIALS MUST BE REMOVED FROM SUB-GRADE AND REPLACED WITH COMPACTED GRANULAR NON-FROST SUSCEPTIBLE (NFS) FILL. ALL FOOTINGS MUST BE FOUNDED UPON UNDISTURBED, NATURAL SUB-GRADE OR COMPACTED NFS FILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 3,000 PSF.

SUB-GRADES BENEATH FOOTINGS AND SLABS MUST BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS MEASURED BY ASTM D1557. BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS MUST BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY.

EXISTING CONDITIONS

CONTRACTOR MUST VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING WORK. DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON EITHER SITE OBSERVATIONS, ORIGINAL DRAWINGS, OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT CLOSELY MATCH CONDITIONS SHOWN ON DRAWINGS, OR IF EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY ENGINEER PRIOR TO COMMENCING WORK.

SPECIAL INSPECTION

NO SPECIAL INSPECTION IS REQUIRED.

STRUCTURAL CONCRETE

ALL CONCRETE CONSTRUCTION MUST CONFORM TO ACI 301, STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE, AS MODIFIED BY IBC SECTION 1905 AND LOCAL ADOPTED AMENDMENTS.

ALL CAST-IN-PLACE CONCRETE:

- EXPOSURE F2, S0, W0, C0 (ACI 318-14, 19.3.1.1)
- MINIMUM 28-DAY COMPRESSIVE STRENGTH = 4,500 PSI
- MAXIMUM AGGREGATE SIZE = 3/4"
- MAXIMUM WATER-CEMENT RATIO = 0.45
- MAXIMUM CHLORIDE ION CONTENT = 1.00%
- TARGET AIR CONTENT = 6% (+/-1%), EXCEPT FOR TROWELED INTERIOR SLABS WHICH MUST NOT EXCEED 3% AIR CONTENT.

CONCRETE MUST BE PROPORTIONED TO ACHIEVE A WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER.

APPLICABLE ASTM STANDARDS:

- PORTLAND CEMENT = ASTM C150
- AGGREGATE = ASTM C33, NORMAL WEIGHT
- WATER = ASTM C1602
- WATER REDUCING ADMIXTURE = ASTM C494, TYPE A

STRUCTURAL CONCRETE (CONT)

CONCRETE PLACED DURING COLD WEATHER MUST CONFORM TO ACI 306. ALL COLD WEATHER CONCRETE AND CONCRETE EXPOSED TO WEATHER MUST CONTAIN AIR ENTRAINMENT PER ACI 318-14 TABLE 19.3.3.1.

THE FOLLOWING MINIMUM CONCRETE COVER MUST BE PROVIDED FOR REINFORCEMENT FOR CAST-IN-PLACE CONCRETE:

- A. CONCRETE CAST AGAINST EARTH 3-INCHES
- B. CONCRETE EXPOSED TO EARTH OR WEATHER
#6 AND LARGER 2-INCHES
#5 AND SMALLER 1 1/2-INCHES
- C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER 3/4-INCH

ALL CONCRETE REINFORCING MUST BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 315, ACI 318, CRSI MSP-1 AND ACI SP-66. DOWELS MUST MATCH SIZE AND NUMBER OF MAIN REINFORCING.

TYPICAL REINFORCING BARS MUST BE ASTM A615, GRADE 60.

STRUCTURAL TIMBER

MATERIALS:

- DIMENSIONAL LUMBER: HEM-FIR NO. 2 OR BETTER
- GLUE-LAMINATED TIMBER: DF/DF, 24F-V4
APPEARANCE: INDUSTRIAL GRADE WHERE HIDDEN BY FINISHES,
ARCHITECTURAL GRADE WHERE EXPOSED TO VIEW
- ENGINEERED LUMBER: 2.1E LVL
- POST AND HEAVY TIMBERS: DOUG-FIR NO. 1
- WOOD SCREWS: SPAX POWERLAG OR SIMPSON SDW TRUSS-PLY (OR EQUAL, QUALIFIED TO EITHER ICC-ES AC233 OR ANSI B1.1 AND B18.6.1)
- WALL SHEATHING: APA RATED SHEATHING, EXPOSURE 1,
SPAN RATED 32/16, 1/2-INCH THICK
- ROOF SHEATHING: APA RATED SHEATHING, EXTERIOR,
SPAN RATED 40/20, 5/8-INCH THICK
(FV THIS MATCHES EXISTING SHEATHING THICKNESS)

INSTALL WALL SHEATHING VERTICALLY OR HORIZONTALLY. ALLOW 1/8-INCH SPACING AT PANEL ENDS AND PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

SHEATHING MUST BE USED IN ACCORDANCE WITH THE RECOMMENDATIONS OF APA, THE ENGINEERED WOOD ASSOCIATION. PLACE NAILS 3/8-INCH FROM EDGE OF PANELS

THERE MUST BE NO FIELD CUTTING OF STRUCTURAL TIMBER MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR REVIEW OF THE ENGINEER.

ALL NAILS MUST BE COMMON WIRE SMOOTH SHANK NAILS, PER ASTM F1667, UNLESS NOTED OTHERWISE. OTHER NAILS PER ESR-1539 ARE ALLOWED WITH NUMBER OR SPACING ADJUSTMENTS. SUBMIT DEFERRED SUBMITTAL FOR ALTERNATE FASTENERS. NAILING MUST CONFORM TO TABLE 2304.10.1 OF THE IBC. MINIMUM NAIL DIMENSIONS ARE AS FOLLOWS:

NAIL SIZE	LENGTH	DIAMETER	HEAD DIAMETER
8d	2-1/2"	0.131"	0.281"
10d	3"	0.148"	0.312"
16d	3-1/2"	0.162"	0.344"

ALL ROOF DIAPHRAGMS MUST BE NAILED:

- PANEL EDGES & WHERE NOTED AS DBN: 10d NAILS AT 6-INCHES ON-CENTER
- INTERMEDIATE SUPPORTS: 10d @ 12-INCHES ON-CENTER
- BLOCKING MUST BE 2x MIN, BUT MAY BE FLAT 2x BLOCKING.

NAILS MUST BE DRIVEN FLUSH; HEADS MUST NOT BE DRIVEN BEYOND TIMBER SURFACE. STANDARD ASTM A307 BOLTS MUST BE USED IN STD HOLES. WASHERS MUST BE USED UNDER ALL BOLT HEADS AND NUTS CONTACTING WOOD.

WALL STUDS MUST BE SPACED AT 16-INCHES OC, UON.

WOOD PLATES OR SILLS MUST BE AWW 2X DIMENSIONAL LUMBER BOLTED TO FOUNDATIONS WITH 5/8-INCH DIAMETER ASTM A307 GALV BOLTS. MINIMUM EMBEDMENT MUST BE 7-INCHES AND MAXIMUM SPACING MUST BE 4-FEET ON-CENTER.

ALL AWW SHEATHING AND LUMBER MUST BE PRESSURE TREATED IN ACCORDANCE WITH AWWA U1 STANDARD & IRC SECTION R317.1:

- CAT UC2 FOR INTERIOR CONST NOT IN CONTACT WITH GROUND
- CAT UC3b FOR EXTERIOR CONST NOT IN CONTACT WITH GROUND
- CAT UC4a FOR ITEMS IN CONTACT WITH GROUND

MEMBERS MORE THAN 8-INCHES ABOVE ADJACENT GRADE NEED NOT HAVE THIS SPECIAL PRESERVATIVE TREATMENT, UON. TIMBER FASTENERS USED TO FASTEN SILL PLATES MUST BE HOT-DIP GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER. PRE-MANUFACTURED HARDWARE MUST BE SIMPSON OR APPROVED EQUAL. FASTENERS FOR METAL CONNECTORS MUST CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR THE HIGHEST CAPACITY AVAILABLE FOR EACH CONNECTOR, UNLESS OTHERWISE NOTED.

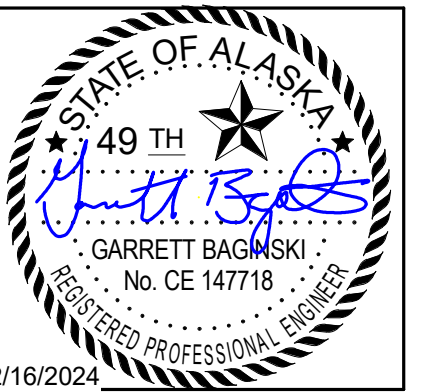
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Daniel Folmar 2/28/24

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**SOUTHCENTRAL FOUNDATION
RESIDENCE ROOF IMPROVEMENTS
4353 RENDEZVOUS CIRCLE
ANCHORAGE, AK**

REVISIONS		
NO.	DESCRIPTION	DATE

DRAWN BY	DATE
GB	02/16/2024
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SHEET CONTENTS

GENERAL NOTES & ABBREVIATIONS

SHEET NO

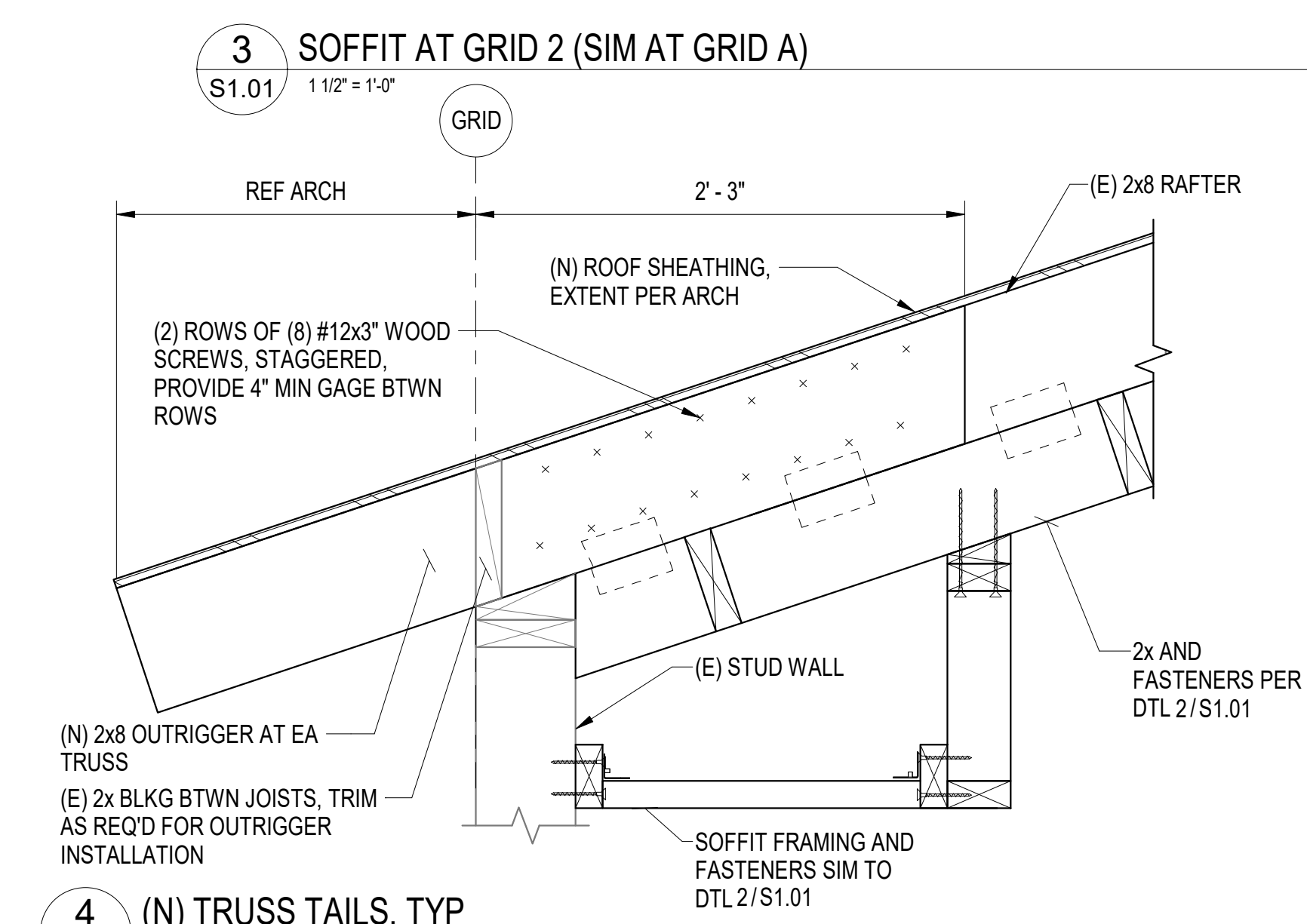
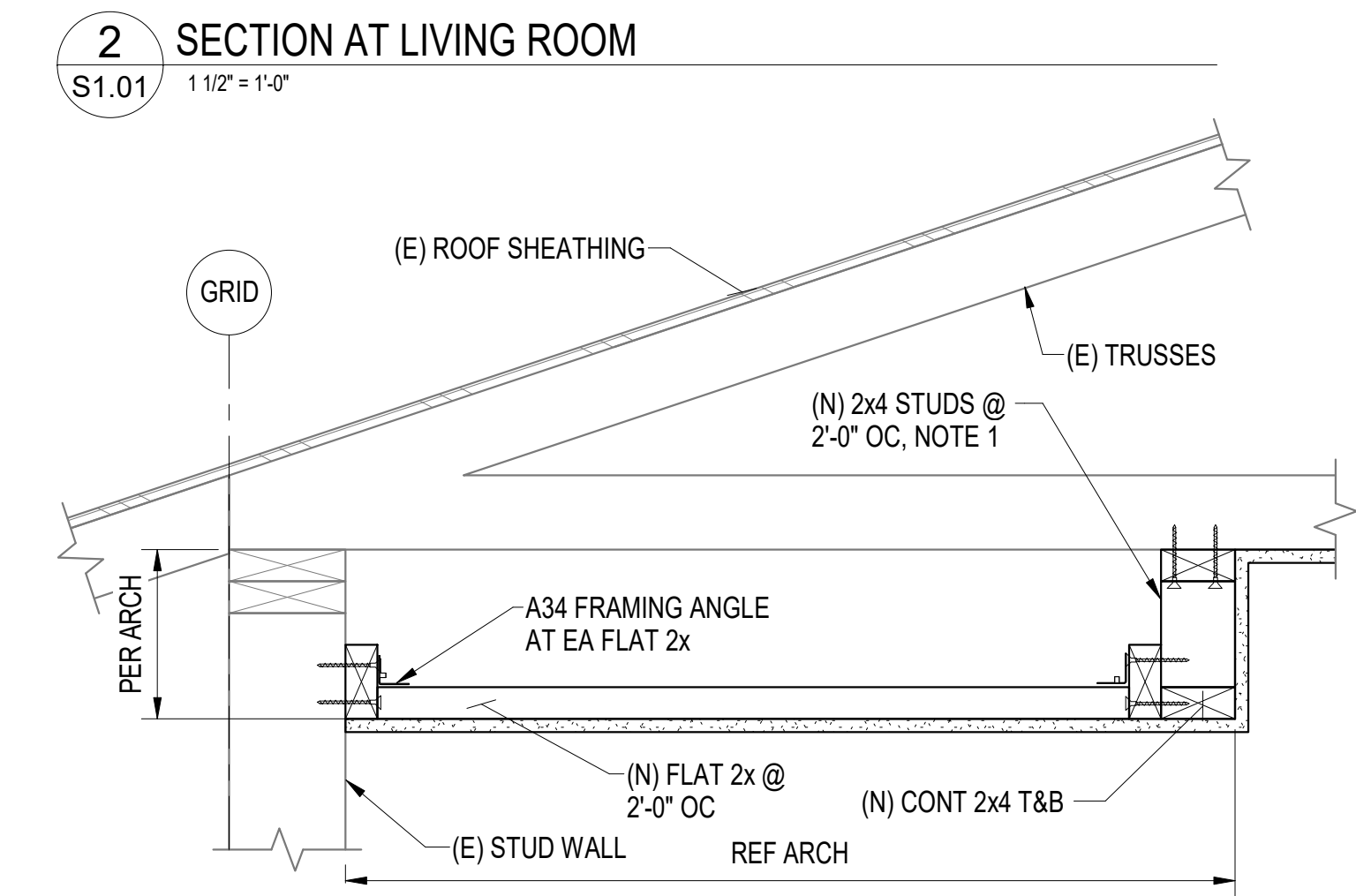
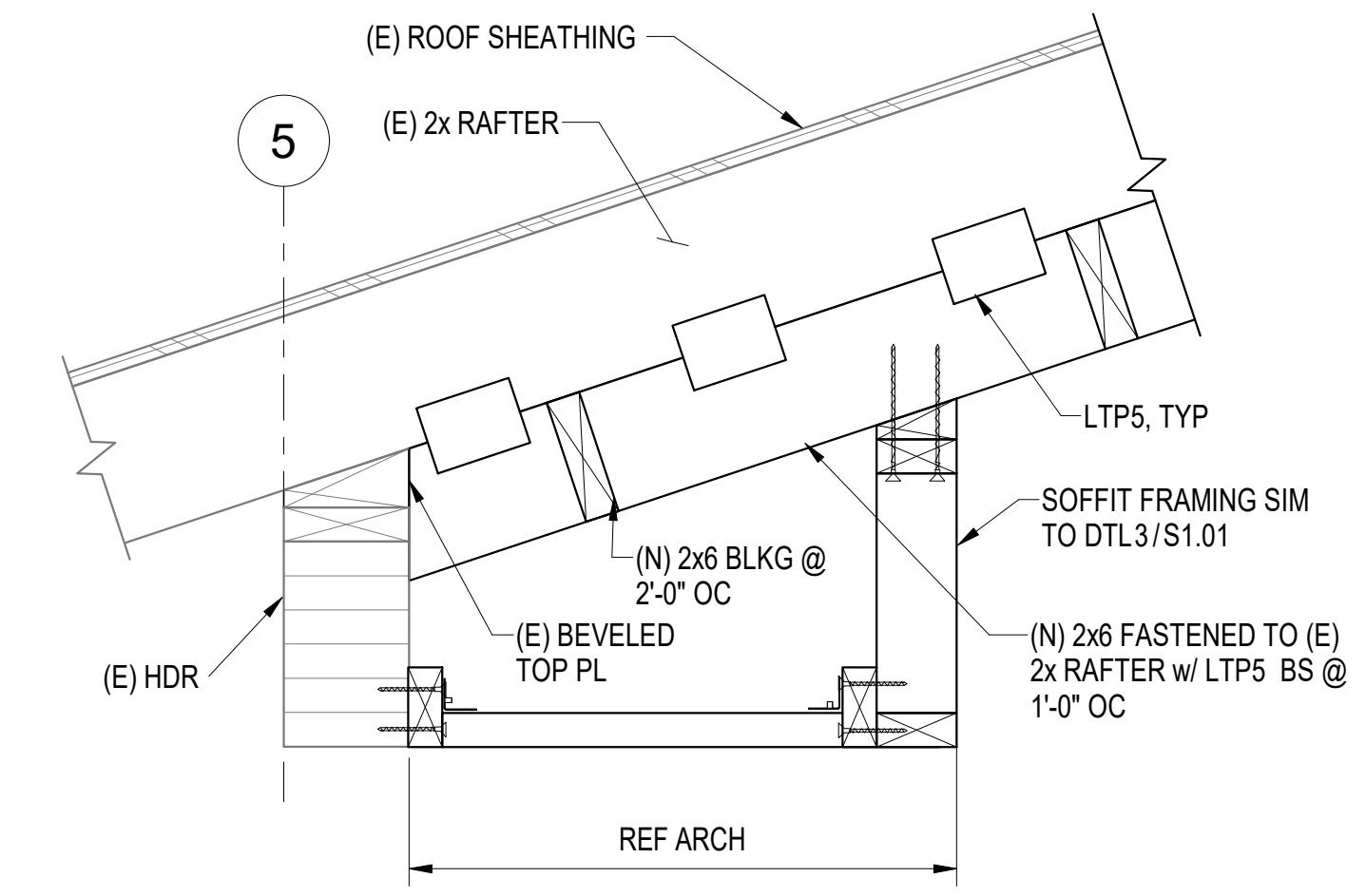
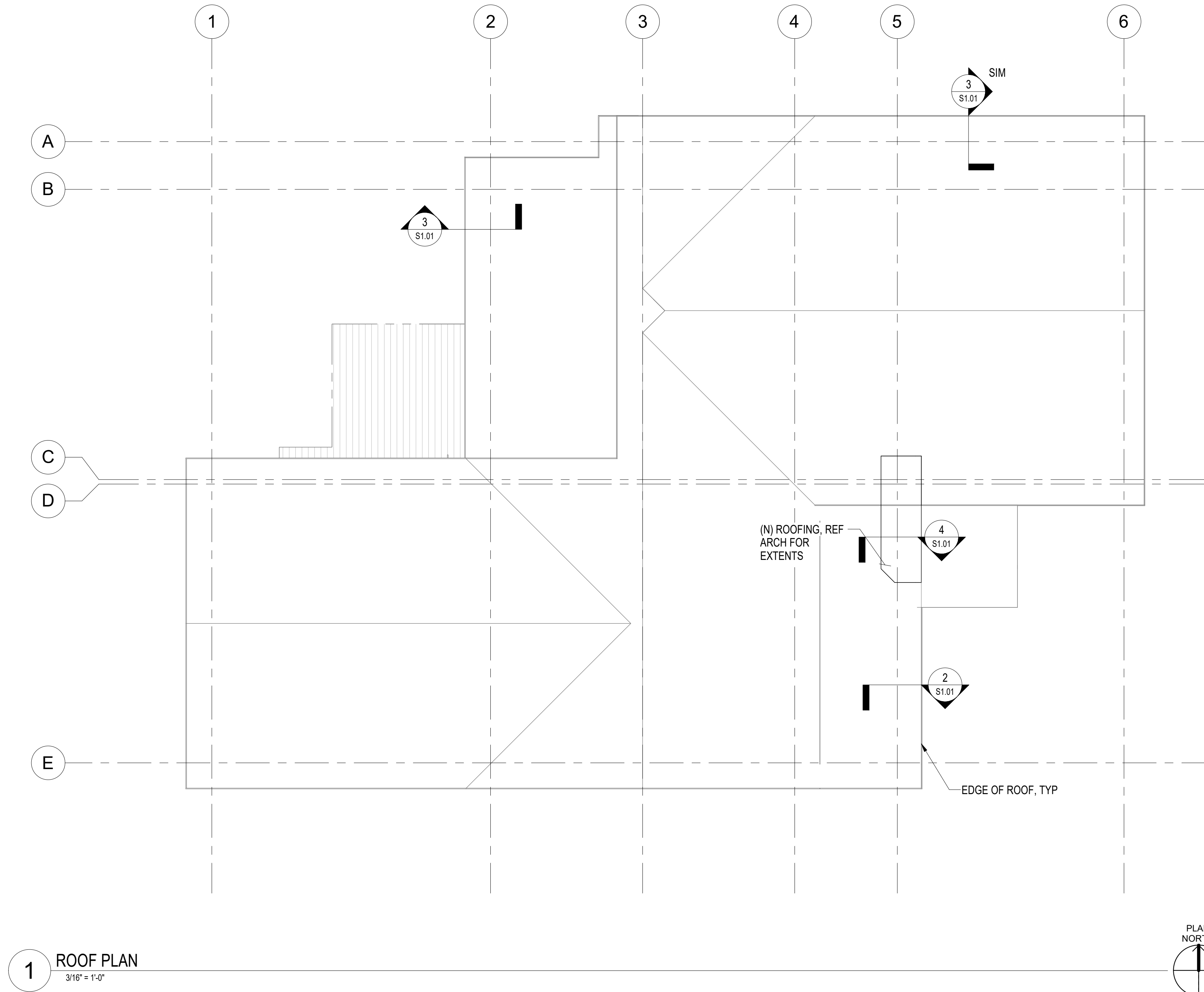
S0.01

@	At	BLKG	Blocking	EA	Each	INT	Interior	OH	Overhead	SIM	Similar	TYP	Typical
AB	Anchor Bolts	BM	Beam	EQ	Equal. Earthquake	LAG	Lag Screw	OPNG	Opening	SQ	Square	UON	Unless Otherwise Noted
BLDG	Building	BOT	Bottom	EW	Each Way	LOC	Location	PL	Plate	STL	Steel	VERT	Vertical
ARCH	Architect	BTWN	Between	EXP	Expansion	LONG	Longitudinal	PLS	Places	T&B	Top and Bottom	W/	With
AR	Anchor Rod	CL	Center-Line	FDN	Foundation	MAX	Maximum	PSF	Pounds-per-square-foot	T&G	Tongue and Groove	W/O	Without
ALT	Alternate	CLR	Clear	FF	Finished Floor	MEZZ	Mezzanine	PSI	Pounds-per-square-inch	T.O.	Top of	W	Wide-Flange, Wide
AHJ	Authority Having Jurisdiction	COL	Column	GALV	Galvanized	MIN	Minimum	REQ'D	Required	T.O.B.	Top of Beam	W/C	Water / Cement Ratio
AFF	Above Finish Floor	CONC	Concrete	GLB	Glue-Laminated Beam	MFR	Manufacturer	RO	Rough Opening	T.O.S.	Top of Steel	W.P.	Work Point
ADH	Adhesive	CONT	Continuous, Continue	HORZ	Horizontal	(N)	New	SBN	Shearwall Boundary Nailing	T.O.W.	Top of Wall	WWR	Welded Wire Reinforcement
ADD'L	Additional	DBN	Diaphragm Boundary Nailing	HSS	Hollow Structural Steel	OC	On-Center	SCH	Schedule	TRANS	Transverse		
		(E)	Existing	IBC	International Building Code								

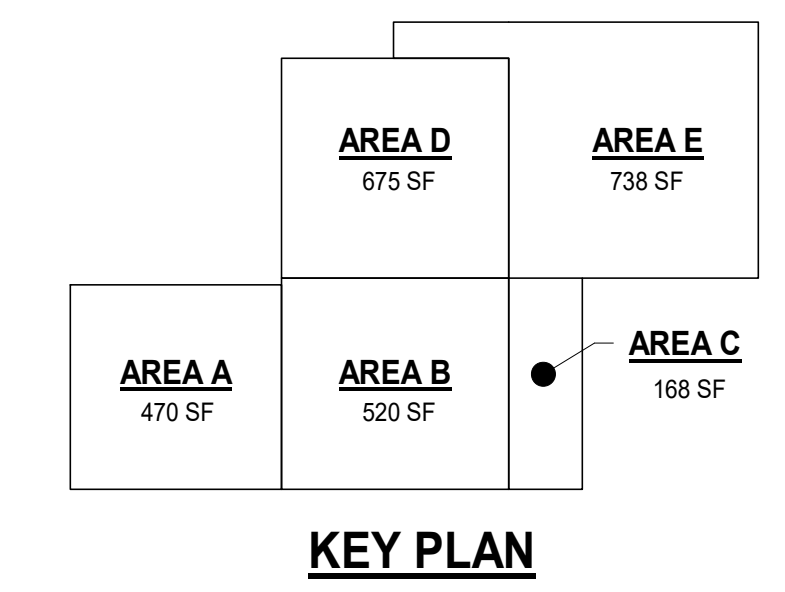
22x34 SHEET IS FULL SCALE
11x17 SHEET IS HALF SCALE

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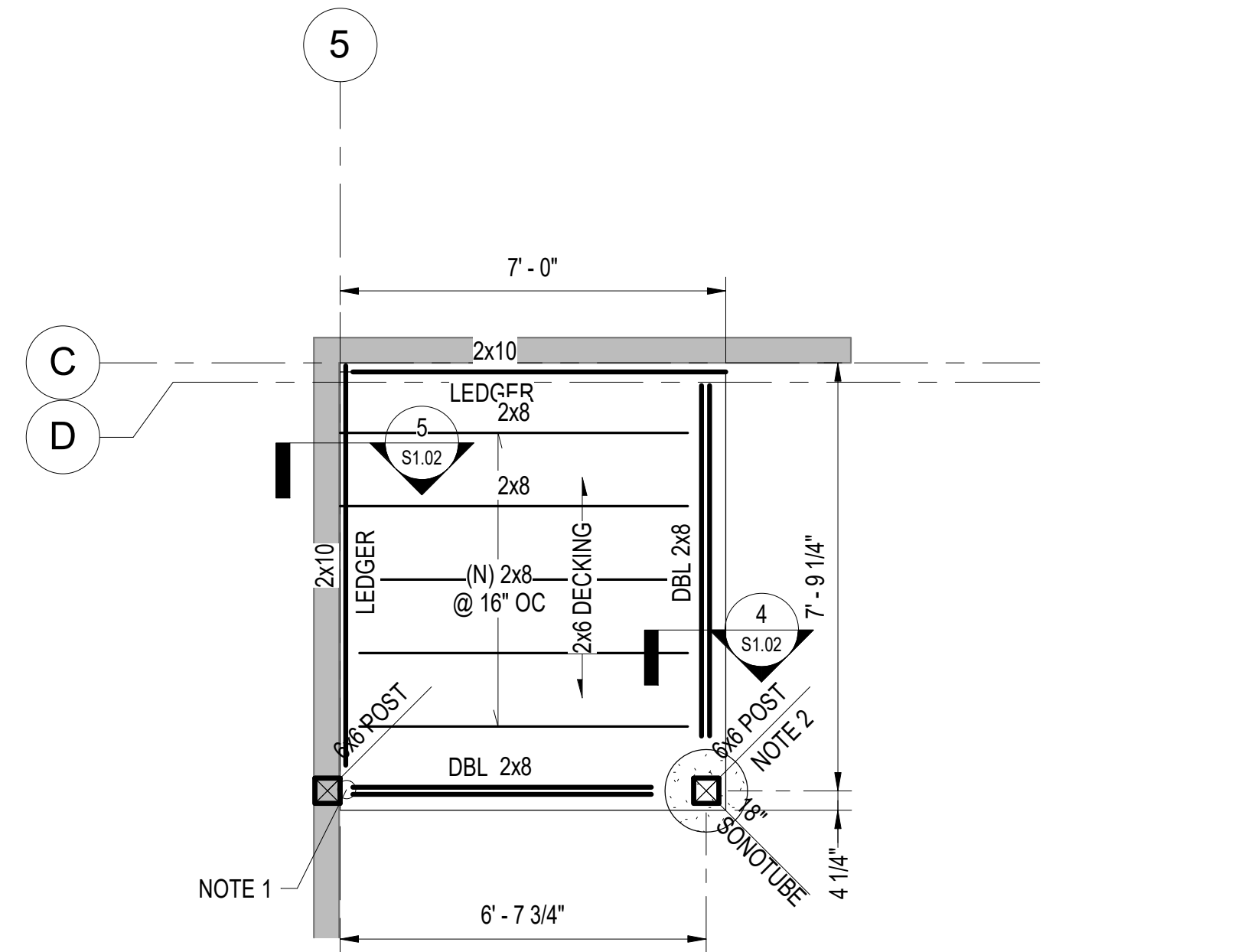
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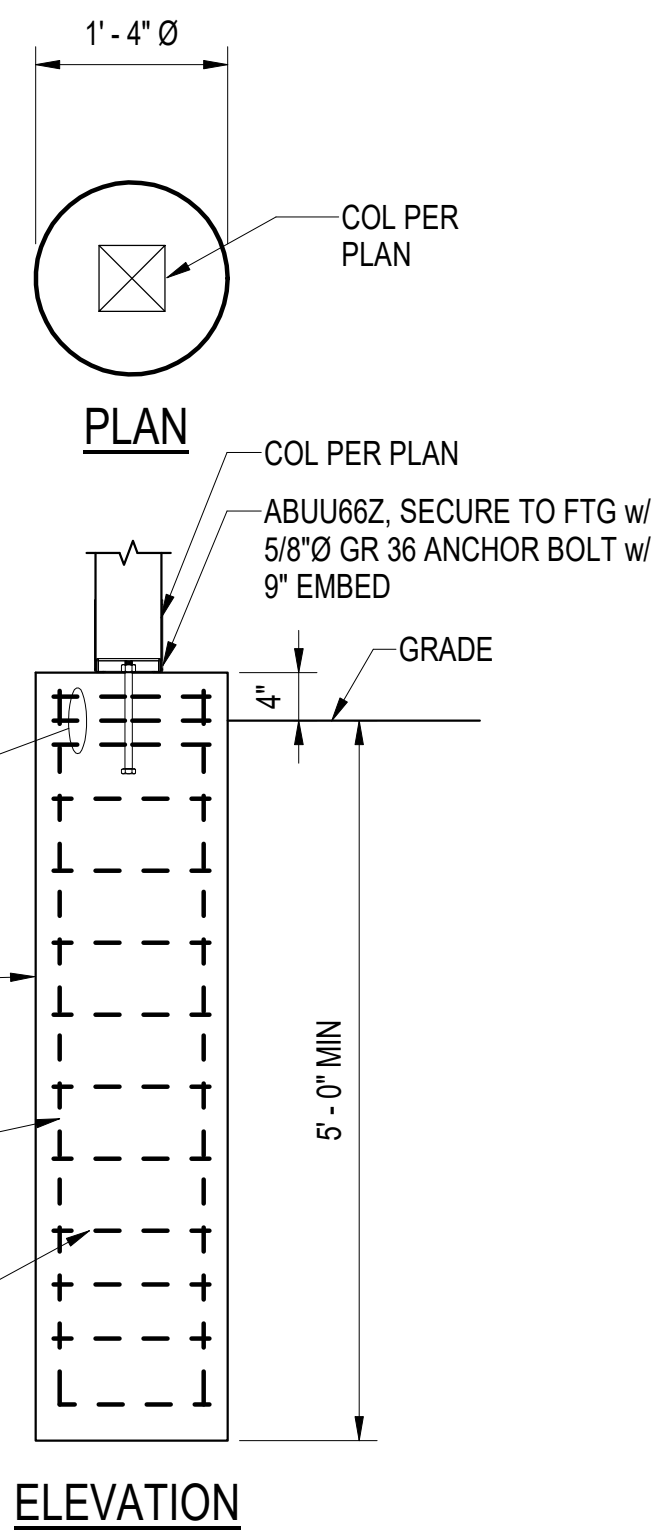
SHEET CONTENTS
ROOF FRAMING PLAN & DETAILS

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S1.01

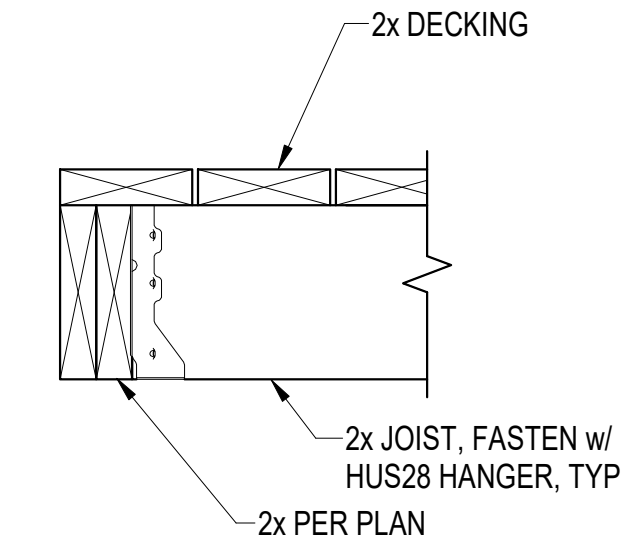


1 ENTRY DECK FRAMING PLAN
3/8" = 1'-0"

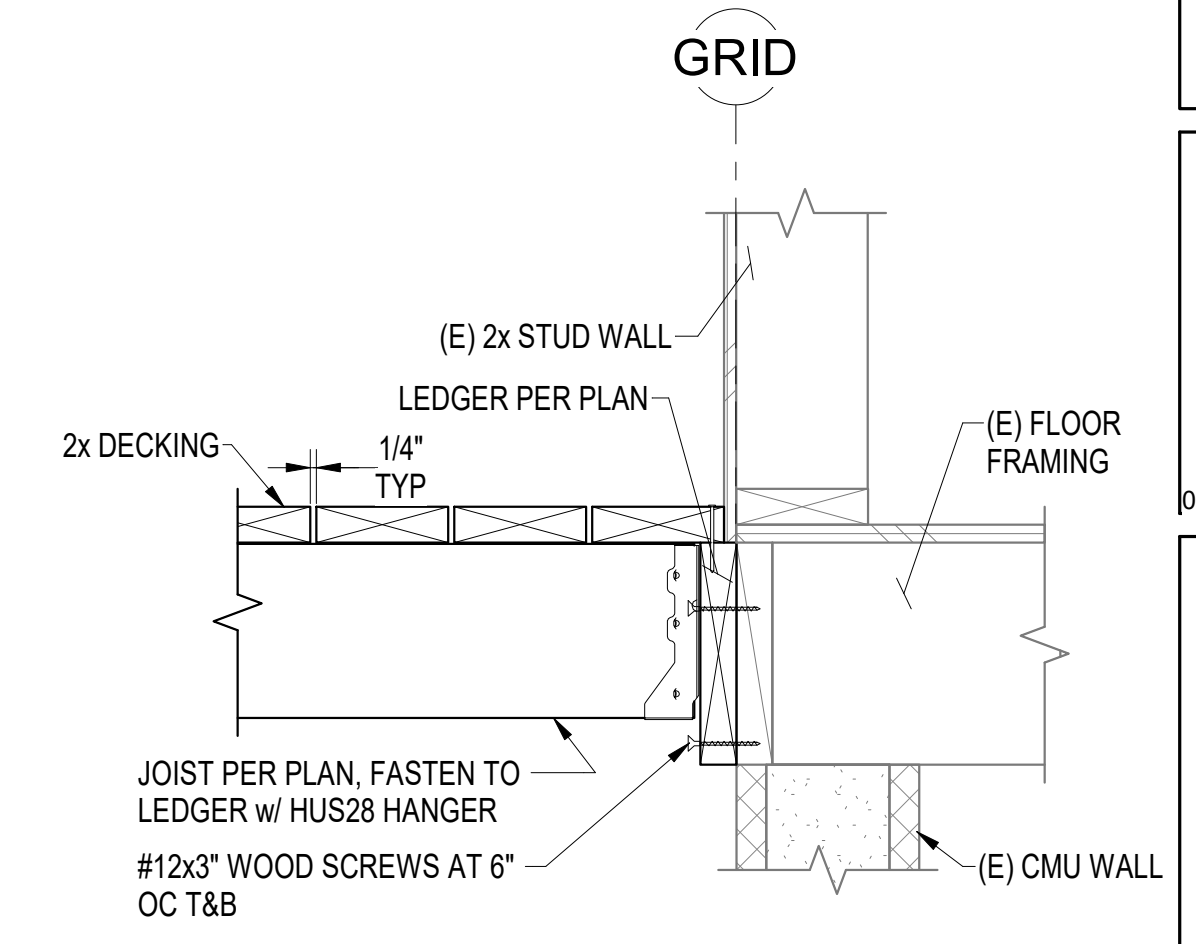
- NOTES:
1. FASTEN JOIST TO POST w/ HUCQ HANGER, TYP
2. PROVIDE ABA66Z POST BASE AT BOT OF (N) 6x6 POST



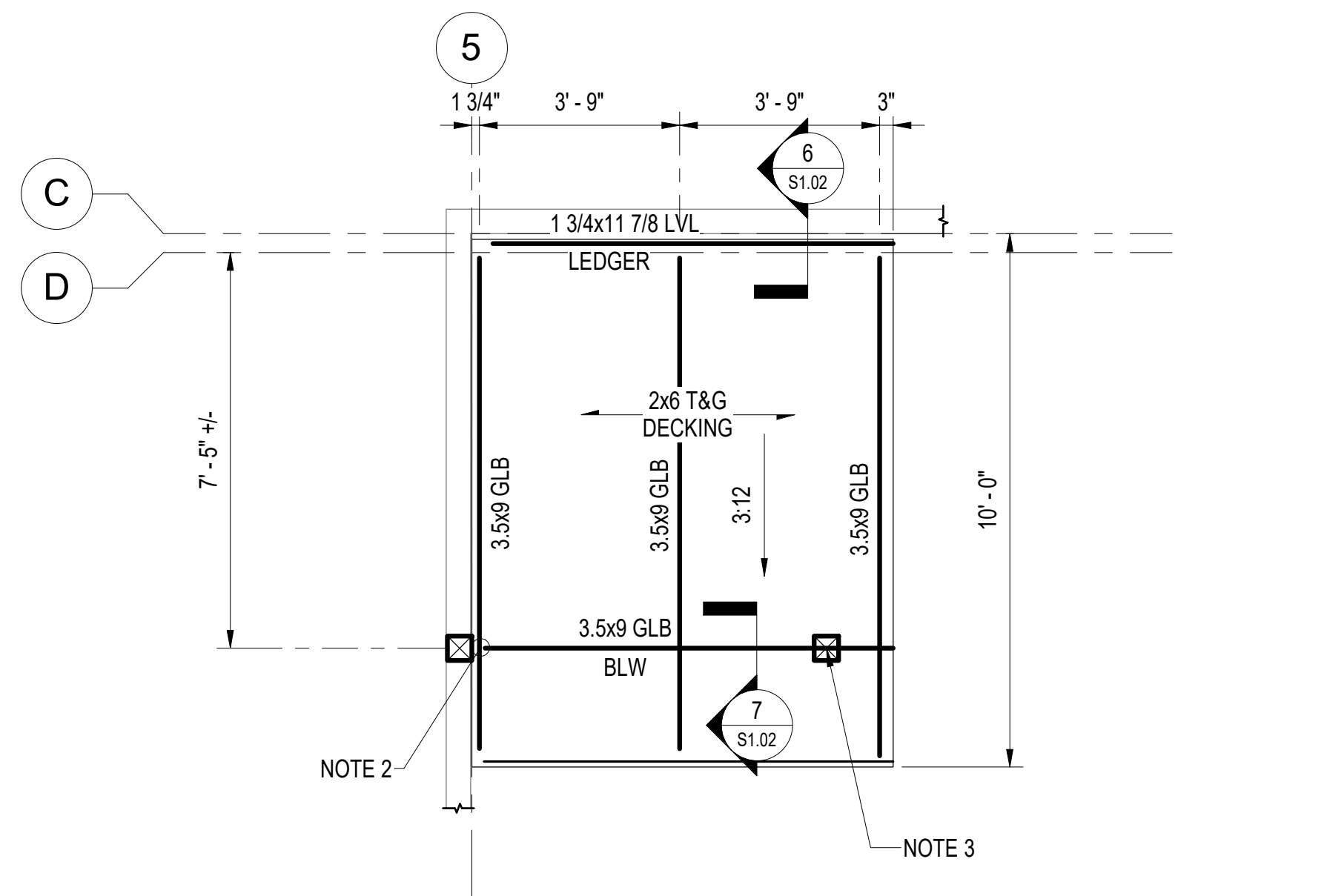
3 DRILLED PIER, TYP
S1.02 3/4" = 1'-0"



4 SECTION AT ENTRY DECK EDGE
S1.02 1 1/2" = 1'-0"

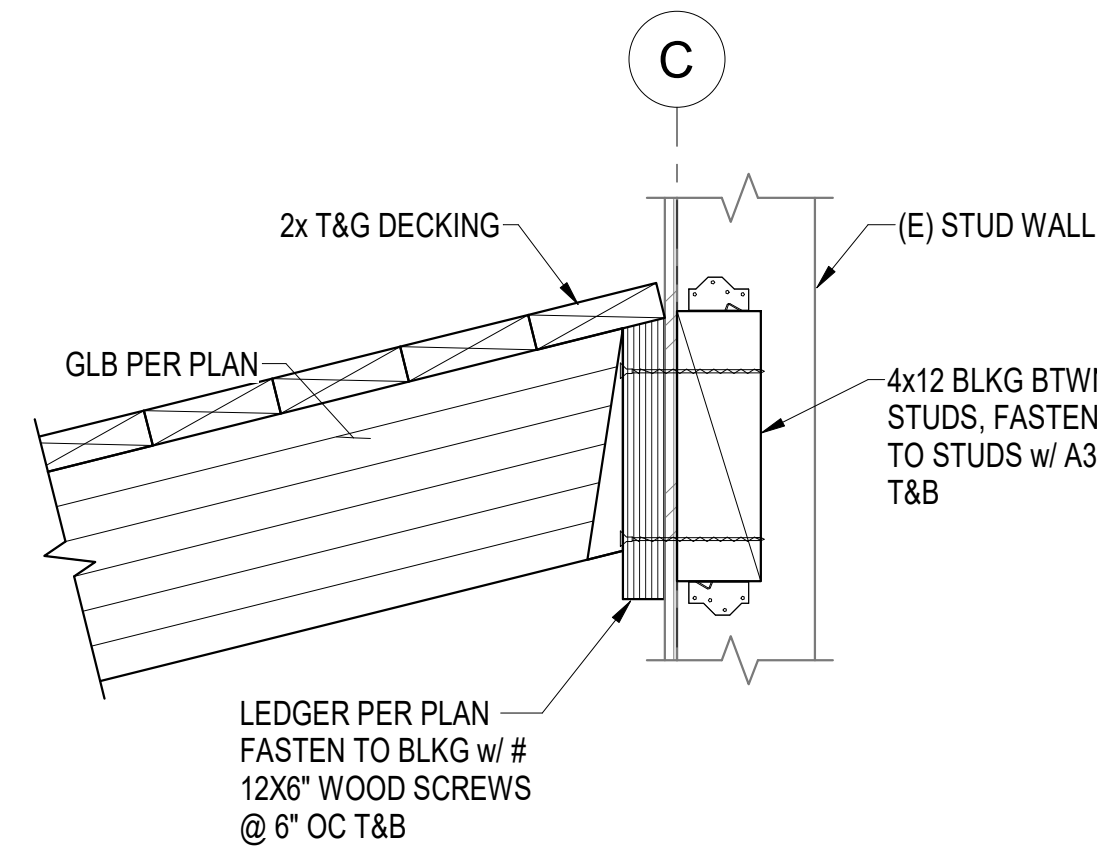


5 ENTRY DECK AT GRID 5
S1.02 1 1/2" = 1'-0"

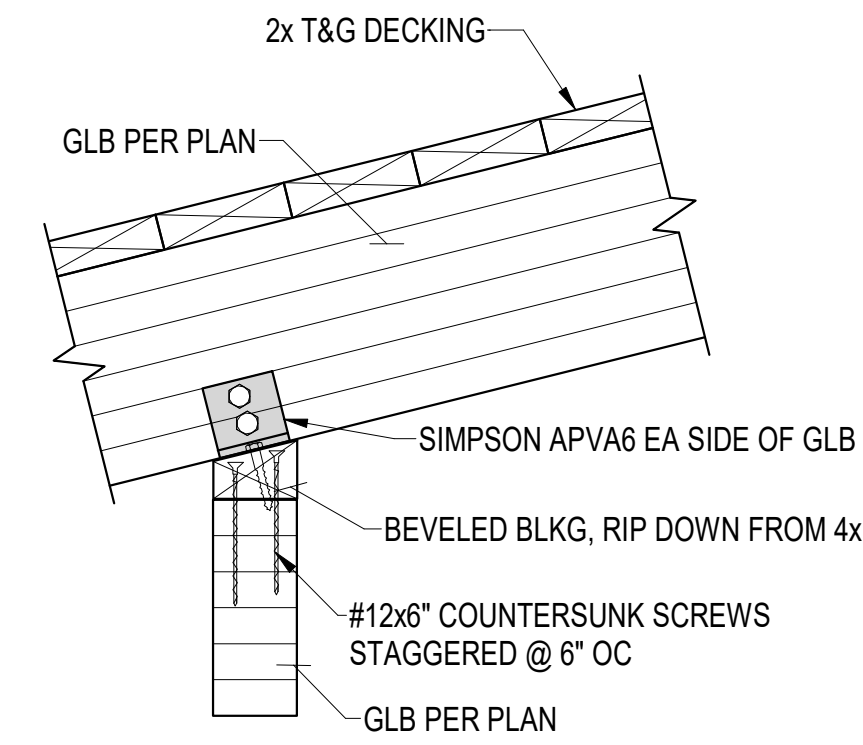


2 CANOPY ROOF FRAMING
3/8" = 1'-0"

- NOTES:
1. REF ARCH FOR ELEVATIONS
2. FASTEN GLB TO POST w/ HUCQ HANGER
3. FASTEN GLB TO POST w/ APT6 BS OF GLB



6 CANOPY AT GRID C
S1.02 1 1/2" = 1'-0"



7 SECTION AT CANOPY EDGE
S1.02 1 1/2" = 1'-0"

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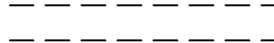
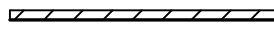













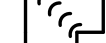




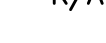





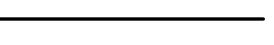
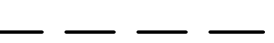
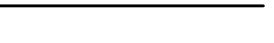

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SHEET CONTENTS
DECK FRAMING PLANS & DETAILS

SHEET NO
S1.02

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11x17 SHEET IS HALF SCALE

HVAC LINETYPE & SYMBOLS	ABBREVIATIONS
	FLEX
	SOUND LINED DUCT
	INSULATED DUCT
$B=X'-X''$ $T=X'-X''$	DUCT ELEVATION
	POINT OF CONNECTION
	MOTOR OR ACTUATOR
	THERMOSTAT
	SMOKE DETECTOR
	EXHAUST OR RETURN ARROW
	SUPPLY ARROW
	GRD SYMBOL
	SUPPLY AIR UP
	EXHAUST AIR UP
	RETURN AIR UP
	SUPPLY AIR DOWN
	EXHAUST AIR DOWN
	RETURN AIR DOWN
	ELBOW W/ TURNING VANE
	SPIRAL UP
	SPIRAL DOWN
	S/A DIFFUSER
	E/A DIFFUSER
	R/A DIFFUSER
	REDUCER
	ELBOW UP
	ELBOW DOWN
	DOWN IN PIPE
	VOLUME DAMPER
PIPING LINETYPE	
	NEW
	EXISTING
	DEMO
	THERMOSTAT

PROJECT SPECIFICATIONS:

SCOPE OF WORK:
THE SCOPE OF THIS PROJECT INCLUDES VENTILATION SYSTEM UPGRADES FOR EXISTING ATTIC SPACES.

CODES, STANDARDS, AND GUIDELINES:
ALL PLUMBING, & HVAC SYSTEM MATERIALS, FABRICATION, INSTALLATION, ALTERATION, OR REPAIR SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE FOLLOWING AS ADOPTED BY THE MUNICIPALITY OF ANCHORAGE, MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND AS SPECIFIED ON THE DRAWINGS.

- 2018 UNIFORM PLUMBING CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL FUEL GAS CODE
- 2018 INTERNATIONAL FIRE CODE
- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE
- REQUIREMENTS OF OSHA AND EPA.
- NATIONAL FIRE PROTECTION ASSOCIATION CODES, LATEST EDITIONS
- ASME CODES FOR BOILER AND PRESSURE VESSELS, LATEST EDITIONS
- SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITIONS
- REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTIONAL AUTHORITY OVER INSTALLATION

ALL METHOD AND MATERIALS SHALL CONFORM TO THE CONTRACT DOCUMENTS, GENERAL NOTES, THE PLANS, GOOD WORKMANSHIP, GENERALLY ACCEPTED INDUSTRY PRACTICE, AND MANUFACTURER'S RECOMMENDATIONS.
ALL DUCTWORK & PIPING SYSTEMS SHALL BE SEISMIC RESTRAINED PER LATEST VERSION OF THE SMACNA SEISMIC RESTRAINT MANUAL.

THE CONTRACTOR SHALL INCLUDE ALL WORK NECESSARY FOR COMPLETE MECHANICAL SYSTEMS, TESTED AND READY FOR OPERATION.

BY SUBMITTING A PROPOSAL, THE CONTRACTOR REPRESENTS THEY HAVE MADE A THOROUGH EXAMINATION OF THE SITE, OF THE WORK AND ALL EXISTING CONDITIONS AND LIMITATIONS, AND THEY HAVE DETERMINED THE DOCUMENTS ARE ADEQUATE AND SATISFACTORY FOR THE COMPLETION OF THE WORK.

DRAWINGS:
FIELD VERIFY ALL PIPING, DUCTWORK, AND EQUIPMENT LOCATIONS SHOWN ON DRAWINGS. COORDINATE WORK WITH ALL OTHER TRADES. THE MECHANICAL DRAWINGS DO NO ATTEMPT TO SHOW ALL ASPECTS OF BUILDING CONSTRUCTION, WHICH WILL AFFECT THE INSTALLATION OF MECHANICAL SYSTEMS. THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL DETAILS, OFFSETS AND FITTINGS, ETC. THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION.

AS BUILT DRAWINGS:
CONTRACTOR SHALL KEEP UPDATED RED-LINE DRAWINGS ON SITE REFLECTING ALL DESIGN CHANGES OR APPROVED FIELD REVISIONS TO THE ORIGINAL CONSTRUCTION DRAWINGS.

- SUBMITTALS:**
SUBMIT TECHNICAL DATA AND REQUIRED INFORMATION ON EQUIPMENT AND MATERIALS AS FOLLOWS:
- PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DATA FOR THE ITEMS LISTED ON THE EQUIPMENT SCHEDULES AND IN THE INDIVIDUAL SPECIFICATION SECTIONS TO THE DESIGNER OF RECORD FOR REVIEW. PRODUCT DATA SHALL DEMONSTRATE COMPLIANCE WITH ALL SPECIFIED FEATURES AND REQUIREMENTS.
 - EQUIPMENT SEISMIC RESTRAINT: CONTRACTOR TO PROVIDE STRUCTURAL AND SEISMIC CALCULATIONS PLUS FASTENING DETAILS FOR ALL APPLICABLE EQUIPMENT TO INCLUDE ALASKA PROFESSIONAL ENGINEER'S STAMP AND SIGNATURE, FOR STRUCTURAL REVIEW ON A DEFERRED SUBMITTAL BASIS.
 - OPERATIONS AND MAINTENANCE MANUALS: SUBMIT O&M MANUALS TO THE OWNER

TESTING, ADJUSTING, & BALANCING:
PRIOR TO COMMENCING BALANCING OPERATIONS ENSURE ALL BUILDING PENETRATIONS ARE SEALED WATER TIGHT, ALL THE HEATING AND VENTILATION SYSTEM INSTALLATION IS COMPLETE, ALL ELECTRICAL WORK IS COMPLETE, AND ALL CONTROLS WORK IS COMPLETE. BALANCER PERFORMING THE WORK SHALL BE AN INDEPENDENT THIRD PARTY CONTRACTOR, BASED IN ALASKA WITH A MINIMUM OF 3 YEARS EXPERIENCE. ALL BALANCING SHALL BE PERFORMED IN COMPLIANCE WITH NEBB, AABC, OR TABB RECOMMENDED PROCEDURES.

SUBJECT THE HEATING AND VENTILATION SYSTEM TO SUCH OPERATING TESTS AS REQUIRED TO CONFIRM EQUIPMENT INSTALLED WILL OPERATE TO THE SPECIFIED CAPACITY, RANGES, AND SEQUENCE OF OPERATION. SIMULATE ALL NORMAL AND POSSIBLE ABNORMAL CONDITIONS TO VERIFY PROPER OPERATION IN ALL CONDITIONS. IF TESTS DO NOT DEMONSTRATE SATISFACTORY SYSTEM PERFORMANCE, CORRECT & RETEST SYSTEMS AS REQUIRED. UPON COMPLETION OF THE BALANCING WORK, SUBMIT A FINAL TAB REPORT TO THE ENGINEER OF RECORD FOR REVIEW.

CONTROL REQUIREMENTS:
EXISTING AHU, VAV BOXES, & REHEAT COILS: THE EXISTING AIR HANDLING UNIT, VAV BOXES, AND DUCT MOUNTED REHEAT COILS SHALL BE CONTROLLED PER THE EXISTING DDC CONTROL SEQUENCES. RELOCATE EXISTING THERMOSTATS AS INDICATED ON PLANS. WORK WITH AIR BALANCER TO ESTABLISH NEW VAV BOX MAXIMUM & MINIMUM AIRFLOW RATES WHERE SHOWN ON THE PLANS.

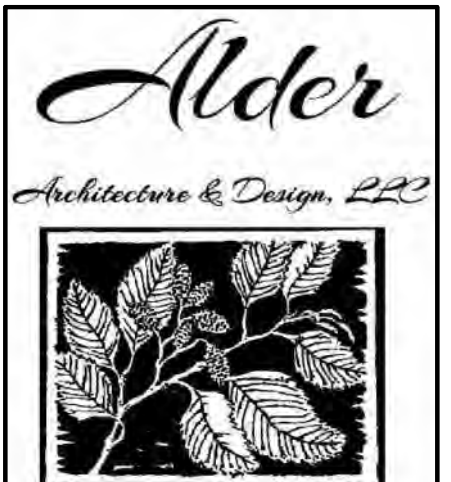
- BASIC MATERIALS & METHODS:**
BASIC MATERIALS
- DUCTWORK: PROVIDE GALVANIZED G90 COATED SHEET METAL DUCTWORK UNLESS INDICATED OTHERWISE ON DRAWINGS. ALL DUCTWORK SHALL BE CONSTRUCTED & INSTALLED PER THE LATEST VERSION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS. ALL MEDIUM PRESSURE DUCTWORK SHALL BE SEAL CLASS A CONSTRUCTED FOR A MAXIMUM OF 2 IN POSITIVE & NEGATIVE WATER COLUMN PRESSURE CLASS. FURNISH ALL FASTENERS, SEALANTS, GASKETS, HARDWARE, VIBRATION ISOLATORS, AND DUCTWORK HANGERS AS REQUIRED FOR COMPLETE INSTALLATION. SEISMIC BRACE DUCTWORK PER SMACNA RESTRAINT GUIDELINE MANUAL. PROVIDE ADEQUATE SEISMIC BRACING TO RESIST MOTION IN ALL LATERAL DIRECTIONS.
 - DUCTWORK SEALANT: ALL DUCT JOINTS SHALL BE COATED WITH DUCTMATE PROSEAL HIGH VELOCITY DUCT SEALANT OR APPROVED EQUAL.
 - FLEX CONNECTORS: FLEXIBLE DUCT CONNECTORS SHALL BE 30 OZ PER SQUARE YARD WOVE GLASS FABRIC, DOUBLE COATED, FIRE RETARDANT, WATERPROOF AND AIRTIGHT. FLEXIBLE MATERIAL SHALL BE DURODYNE NEOPRENE SPEC. GRADE OR OWNER APPROVED EQUAL.
 - FLEXIBLE DUCTWORK: FLEXIBLE DUCT, INCLUDING CONNECTORS SHALL COMPLY WITH UL181, CLASS 1, AND NFPA 90A. INSTALLED DUCT SHALL NOT ERODE, DELAMINATE, OR IMPART LOOSE FIBERS OR ODORS INTO THE AIRSTREAM. MINIMUM WORKING PRESSURE SHALL BE 5 IN W.C. POSITIVE AND 2 IN W.C. NEGATIVE.

REVIEWED FOR STRUCTURAL AND ARCHITECTURAL/LIFE SAFETY CODE COMPLIANCE.

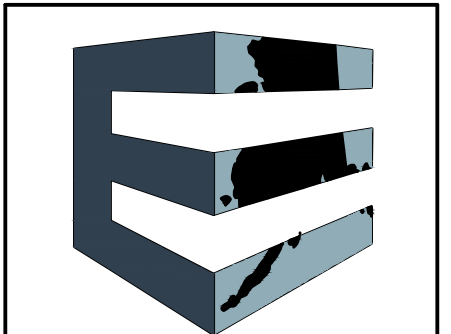
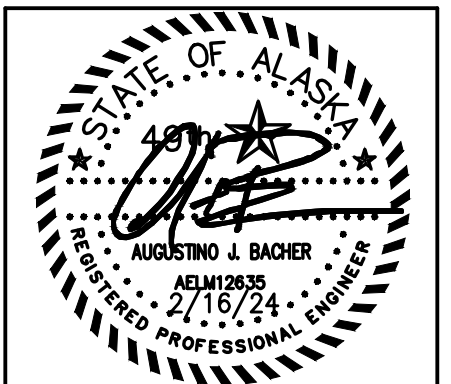
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GENERAL NOTES:

- PROVIDE AND INSTALL ALL MATERIALS AND EQUIPMENT RATED FOR SERVICE. INSTALL ALL MATERIALS AND EQUIPMENT PER THE MANUFACTURER'S REQUIREMENTS.
- DRAWINGS SHOULD BE REVIEWED BY ALL OTHER TRADES AND ALL WORK SHOWN SHALL BE FIELD VERIFIED AND CORRELATED WITH EACH TRADES OWN SHOP DRAWINGS. THESE DRAWINGS DO NOT SHOW ALL WORK BY OTHER TRADES, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO COORDINATE.
- DRAWINGS ARE PARTIALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS IN DUCTWORK OR PIPING, OR EXACT LOCATIONS OF ALL DUCTWORK AND PIPING AND EQUIPMENT. ALSO DUE TO DIFFERING SITE CONDITIONS DRAWING DO NOT SHOW EXACT DETAIL TO ALLOW FOR INSTALLATION IN ALL AREAS. ENGINEERED ALASKA LLC RESERVES THE RIGHT TO AMEND OR CORRECT DRAWINGS TO PROVIDE A COMPLETE AND SATISFACTORILY WORKING SYSTEM.



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SHEET CONTENTS
MECHANICAL LEGEND & SPECIFICATIONS

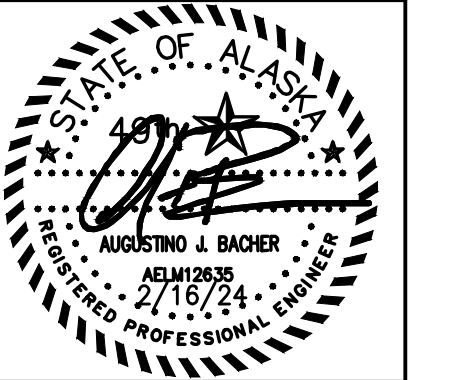
SHEET NO
M1.00

Alder

Architecture & Design, LLC

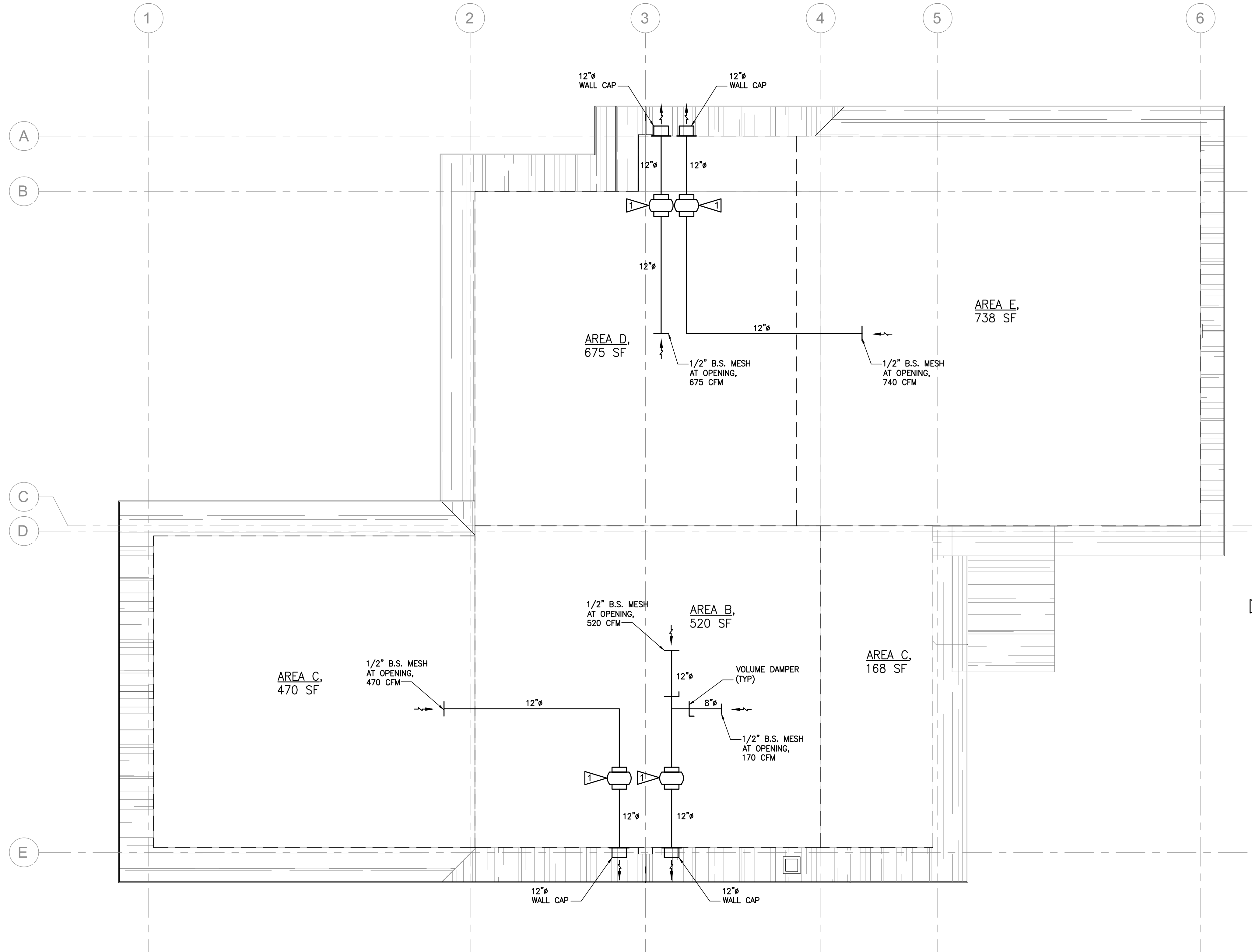


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**SOUTHCENTRAL FOUNDATION
RESIDENCE ROOF IMPROVEMENTS**
4353 Rendezvous Circle
Anchorage, AK



1 ATTIC VENTILATION PLAN
1/4" = 1'-0"
NORTH

SHEET NOTES:

1 NEW ATTIC EXHAUST FAN. FANTECH FG12XL, 120V/1PH/60HZ, 286 WATTS. INSTALL PER MANUFACTURER'S REQUIREMENTS. FAN TO RUN CONTINUOUSLY TO VENTILATE ATTIC SPACE. PROVIDE EACH FAN WITH LOCAL THERMOSTAT/HUMIDISTAT CONTROLLER.

ATTIC FAN CONTROL SEQUENCE IS AS FOLLOWS:
1. FAN SHALL BE ON WHEN ATTIC TEMP IS ABOVE 50°F (ADJUSTABLE). FAN TO BE OFF WHEN ATTIC TEMP IS BELOW 50°F (ADJUSTABLE) UNLESS HUMIDITY IS DETECTED.
2. FAN SHALL BE ON WHEN HUMIDITY LEVELS ARE ABOVE 60% RH (ADJUSTABLE) IN ATTIC.

GENERAL NOTES:

1. PROVIDE AND INSTALL ALL MATERIALS AND EQUIPMENT RATED FOR SERVICE. INSTALL ALL MATERIALS AND EQUIPMENT PER THE MANUFACTURER'S REQUIREMENTS.
2. DRAWINGS SHOULD BE REVIEWED BY ALL OTHER TRADES AND ALL WORK SHOWN SHALL BE FIELD VERIFIED AND CORRELATED WITH EACH TRADE'S OWN SHOP DRAWINGS. THESE DRAWINGS DO NOT SHOW ALL WORK BY OTHER TRADES, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO COORDINATE.
3. DRAWINGS ARE PARTIALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS IN DUCTWORK OR PIPING, OR EXACT LOCATIONS OF ALL DUCTWORK AND PIPING AND EQUIPMENT. ALSO DUE TO DIFFERING SITE CONDITIONS DRAWING DO NOT SHOW EXACT DETAIL TO ALLOW FOR INSTALLATION IN ALL AREAS. ENGINEERED ALASKA LLC RESERVES THE RIGHT TO AMEND OR CORRECT DRAWINGS TO PROVIDE A COMPLETE AND SATISFACTORILY WORKING SYSTEM.

REVISIONS		
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DRAWN BY AJB	DATE 02/16/24
CHECKED AJB	JOB NO. 23026

SHEET CONTENTS
MECHANICAL
VENTILATION PLAN

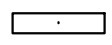



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REVIEWED FOR STRUCTURAL AND ARCHITECTURAL/LIFE SAFETY CODE COMPLIANCE.
Dino 2/28/24
DANIEL FOLMAR, P.E.
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





22x34 SHEET IS FULL SCALE
11x17 SHEET IS HALF SCALE

GENERAL NOTES

A. ALL BRANCH CIRCUITING IS MINIMUM 2#12, 1#12 GND UON.

LIGHT FIXTURE SCHEDULE						
TAG TYPE	SYMBOL	MANUFACTURER/ CATALOG # OR APPROVED EQUAL	FIXTURE DESCRIPTION	MOUNTING	LUMENS/ TEMP.	INPUT WATTS
A		ACUITY BRAND #CPANL-1X4-AL01-SWW7-M4 -DCMK 14	1'X4' LED FLAT PANEL FIXTURE, SELECTABLE LUMENS SET AT 4400LM & COLOR TEMP SET, MULTIVOLT.	SURFACE, CEILING	4597LM/ 3500K	45
B		JUNO LIGHTING #WF4 AL019 SWW5 90CRI MW M6 WITH WFJB U	4" LED FLAT DOWNLIGHT, SELECTABLE LUMENS SET AT 900LM & COLOR TEMP SET, MULTIVOLT.	RECESSED, CEILING	900LM/ 3500K	15
C		LEVITON #9850-LED	WHITE LED CEILING KEYLESS LAMPHOLDER, POLYCARBONATE LAMP GUARD, 120V.	SURFACE, CEILING	900LM/ 3000K	10
D		PROJECT SOURCE FALLSBROOK #FD10-55 PROVIDE WITH 60W EQUIVALENT LED BULBS.	5-LIGHT OIL-RUBBED BRONZE TRADITIONAL DRY RATED CHANDELIER, 120V.	PENDANT, CEILING	900LM/ 3000K	300

SYMBOL LEGEND

	LIGHTING FIXTURE - SEE FIXTURE SCHEDULE FOR LIGHTING SYMBOLS
	SWITCH - SINGLE POLE, 3-WAY
	MOTOR CONNECTION
	MOTOR DISCONNECT SWITCH
	EXISTING PANELBOARD - RECESSED MOUNTED
	CIRCUIT HOMERUN, WITH PANEL AND CIRCUIT NUMBER SHOWN

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
C	CONDUIT
CB	CIRCUIT BREAKER
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GND	GROUND
LTG	LIGHTING
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

EXISTING LOAD CALCULATIONS

EXISTING SERVICE PANEL SIZE:
100A RATED SERVICE, 240V/120V, 1-PHASE, 3-WIRE.

12-MONTH BUILDING DEMAND LOAD PER CEA 1/19/2024:
12.5KW OR 14.7KVA AT .85 PF.
APPLY NEC 220.87 DEMAND FACTOR OF 125%: 18.4KVA

NEW LOADS	
LIGHTS:	.465 KVA
EF-1s:	1.22 KVA
	1.685 KVA

NEW TOTAL LOAD KVA: 20KVA OR 84A

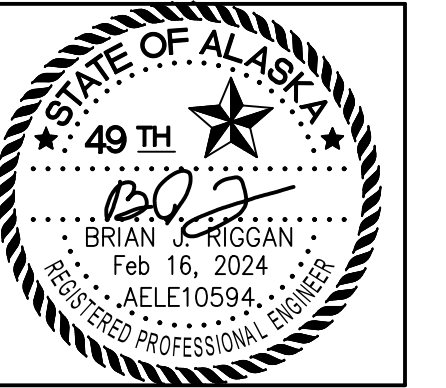
BASED ON THE CALCULATIONS ABOVE, THE EXISTING PANEL AND SERVICE
WILL BE SIZED TO POWER THE NEW AND EXISTING LOADS.

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22x34 STANDARD SHEET
11 X 17 SHEET IS HALF SCALE

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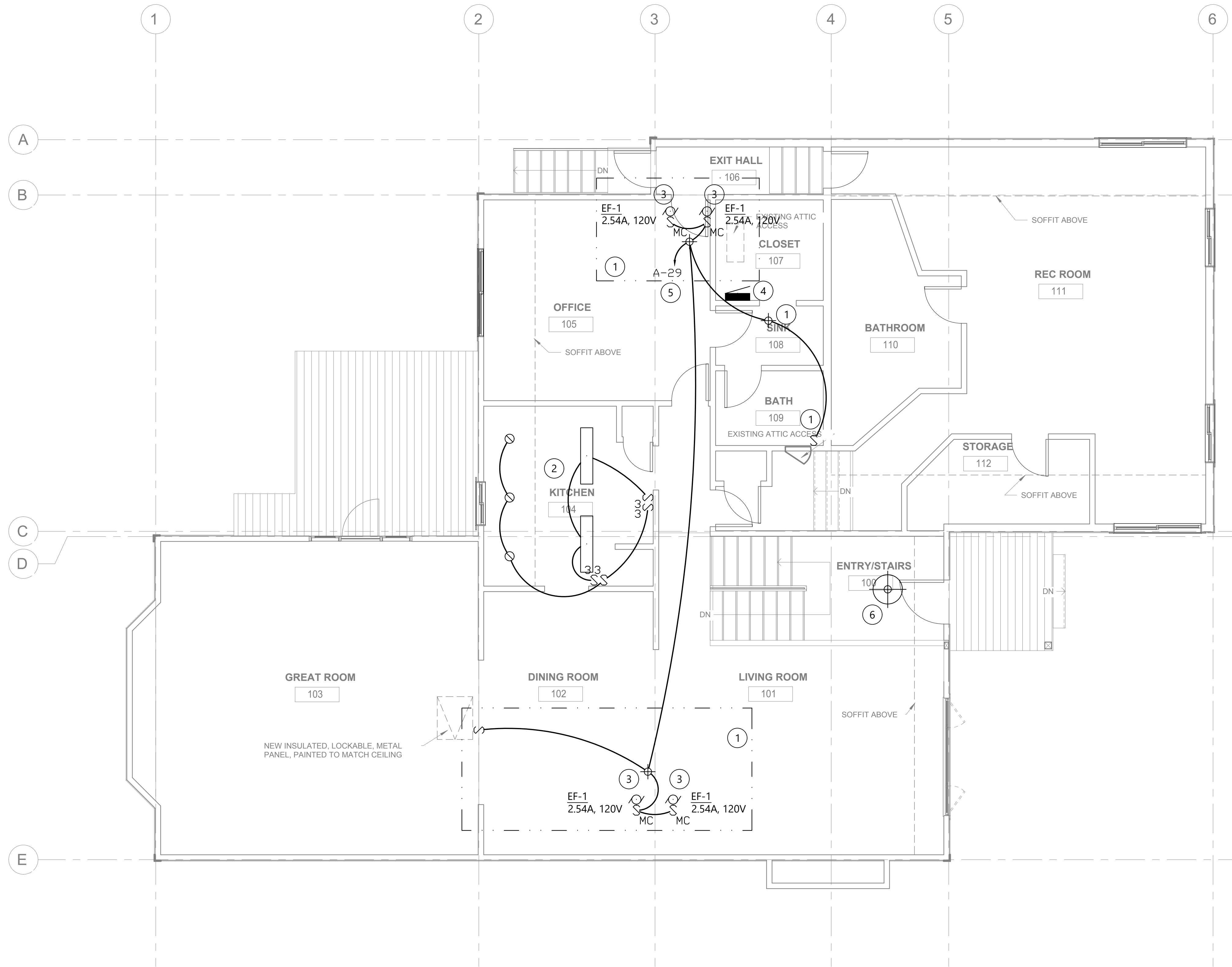
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BJR	23BR-33

SHEET CONTENTS
LEGEND, FIXTURE SCHEDULE
AND CALCULATIONS

SHEET NO
E0.1



1 ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL NOTES

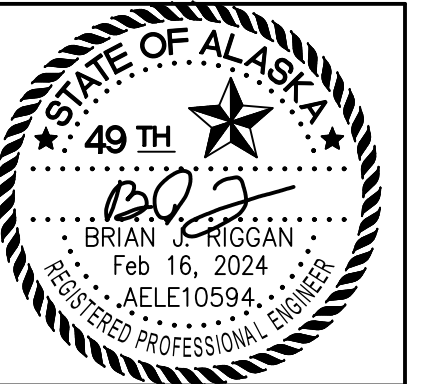
A. COORDINATE FINAL LOCATION OF MECHANICAL EQUIPMENT.

KEYED NOTES - #

1. EQUIPMENT LOCATED IN ATTIC.
2. CIRCUIT NEW KITCHEN LIGHTING TO EXISTING LOCAL LIGHTING CIRCUIT, PROVIDE NEW CONTROLS AS NOTED. NEW LOAD REPLACES EXISTING LIGHTING LOAD THAT WAS DEMOLISHED. NO CHANGE IN CIRCUIT LOADING.
3. PROVIDE 120V CONNECTION TO LINE VOLTAGE THERMOSTAT.
4. EXISTING PANEL 'A' LOCATED HERE ON THE LOWER LEVEL.
5. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN EXISTING SPACE AS NOTED.
6. CIRCUIT TO EXISTING JUNCTION BOX AT THIS LOCATION, CIRCUIT AND CONTROLS. NO CHANGE IN CIRCUIT LOADING.

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SHEET CONTENTS
ELECTRICAL PLAN

SHEET NO
E1.1

26 05 00 - COMMON WORK RESULTS FOR ELECTRICAL

- A. SCOPE OF WORK: FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT FOR AN EXTENSION TO THE EXISTING ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.
- B. STANDARDS, CODES AND REGULATIONS: COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING CODE, AND INTERNATIONAL FIRE CODE INCLUDING ALL STATE AND LOCAL AMENDMENTS TO THESE CODES. COMPLY WITH THE LATEST PUBLISHED VERSION OF THE NECA STANDARD OF INSTALLATION.
- C. DRAWINGS: THE DRAWINGS ARE DIAGRAMMATIC, NOT SHOWING ALL OFFSETS OR EXACT LOCATIONS OF FIXTURES, EQUIPMENT, ETC. UNLESS SPECIFICALLY DIMENSIONED. FIELD VERIFICATION OF DIMENSIONS, LOCATIONS AND LEVELS IS DIRECTED. INSTALL MATERIAL NOT DIMENSIONED ON DRAWINGS IN A MANNER TO PROVIDE A SYMMETRICAL APPEARANCE. REVIEW THE DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT FURNISHED BY OTHER CRAFTS BUT INSTALLED IN ACCORDANCE WITH THIS SECTION. BRING QUESTIONABLE ITEMS, APPARENT CONFLICTS BETWEEN PLANS AND SPECIFICATIONS, GOVERNING CODES OR UTILITIES REGULATIONS TO THE ATTENTION OF THE OWNER. CODES, ORDINANCES, REGULATIONS, MANUFACTURER'S INSTRUCTIONS OR STANDARDS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS.
- D. COORDINATION: REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENTS ASSOCIATED WITH THIS PROJECT FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS. CONTRACT DOCUMENTS ARE ISSUED IN THEIR ENTIRETY, NOT AS DISCRETE SETS BY TRADE OR DISCIPLINE, AND IT IS NECESSARY FOR ALL TRADES TO COORDINATE WORK REQUIREMENTS NOTED THROUGHOUT THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO BEGINNING CONSTRUCTION TO VERIFY ALL INTENDED EQUIPMENT FOR CONNECTION AND FINAL LOCATIONS.
- E. RECORD DRAWINGS: MARK UP A CLEAN SET OF DRAWINGS AS THE WORK PROGRESSES TO SHOW THE DIMENSIONED LOCATION AND ROUTING OF ALL ELECTRICAL WORK WHICH WILL BECOME PERMANENTLY CONCEALED. SHOW COMPLETE ROUTING AND SIZING OF ANY SIGNIFICANT REVISIONS TO THE SYSTEMS SHOWN.
- F. WORKMANSHIP: INSTALLATION OF ALL WORK SHALL BE MADE SO THAT ITS SEVERAL COMPONENT PARTS SHALL FUNCTION AS A WORKABLE SYSTEM COMPLETE WITH ALL ACCESSORIES NECESSARY FOR ITS OPERATION. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS AND/OR INSTALLATION DRAWINGS AND IN ACCORDANCE WITH NECA STANDARDS. MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM WITH APPLICABLE INDUSTRY STANDARDS, NEMA STANDARDS AND UNDERWRITERS LABORATORIES STANDARDS WHERE APPLICABLE.
- G. SUBMITTALS: PROVIDE MATERIAL AND EQUIPMENT SUBMITTALS CONTAINING A COMPLETE LISTING OF MATERIAL AND EQUIPMENT SHOWN ON THE DRAWINGS. INCLUDE CATALOG NUMBERS, ROUGH-IN DIMENSIONS AND PERFORMANCE DATA FOR ALL MATERIAL AND EQUIPMENT. SUBMITTALS SHALL BE IN ELECTRONIC .PDF FORMAT, SEPARATE FROM WORK FURNISHED UNDER OTHER DIVISIONS. INDEX AND CLEARLY IDENTIFY ALL MATERIAL AND EQUIPMENT BY ITEM, NAME OR DESIGNATION USED ON THE DRAWINGS. SUBMITTAL REVIEW IS FOR GENERAL DESIGN AND ARRANGEMENT ONLY AND DOES NOT RELIEVE THE CONTRACTOR FROM ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE SUBMITTALS ARE NOT CHECKED FOR QUANTITY, DIMENSION, OR FOR PROPER OPERATION. WHERE DEVIATIONS OF A SUBSTITUTE PRODUCT OR SYSTEM PERFORMANCE HAVE NOT BEEN SPECIFICALLY NOTED IN THE SUBMITTAL BY THE CONTRACTOR, PROVISIONS OF A COMPLETE AND SATISFACTORY WORKING INSTALLATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- H. OPERATION AND MAINTENANCE MANUALS: PROVIDE OPERATION AND MAINTENANCE MANUALS FOR TRAINING OF THE OWNER'S PERSONNEL. DESCRIBE THE PROCEDURES NECESSARY TO OPERATE THE SYSTEM INCLUDING START-UP, OPERATION, EMERGENCY OPERATION AND SHUTDOWN. PROVIDE INSTRUCTIONS AND A SCHEDULE OF PREVENTIVE MAINTENANCE IN TABULAR FORM FOR ALL ROUTINE CLEANING, INSPECTION AND LUBRICATION WITH RECOMMENDED LUBRICANTS. PROVIDE INSTRUCTIONS FOR MINOR REPAIR OR ADJUSTMENTS REQUIRED FOR PREVENTIVE MAINTENANCE ROUTINES. PROVIDE MANUFACTURER'S DESCRIPTIVE LITERATURE INCLUDING APPROVED SHOP DRAWINGS COVERING DEVICES USED IN ANY CONTRACTOR-PROVIDED EQUIPMENT OR SYSTEMS WITH ILLUSTRATION, EXPLODED VIEWS, ETC.
- I. WARRANTY: THE CONTRACTOR SHALL GUARANTEE ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM BENEFICIAL OCCUPANCY. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD. COPIES OF MANUFACTURER PRODUCT WARRANTIES FOR ALL EQUIPMENT SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUALS.
- J. PERMITS: SECURE AND PAY FOR ALL FEES, PERMITS, ETC. REQUIRED BY LOCAL AND STATE AGENCIES.
- K. REFERENCE SYMBOLS: THE ELECTRICAL "LEGEND" ON THE DRAWINGS IS A STANDARDIZED VERSION, AND ALL SYMBOLS SHOWN MAY NOT BE USED. USE THE "LEGEND" AS A REFERENCE FOR THE SYMBOLS USED ON THE DRAWINGS.
- L. PENETRATION OF FIRE BARRIERS: ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED BARRIERS SHALL BE SEALED IN ACCORDANCE WITH NEC ARTICLE 300.21 AND THE FOLLOWING:
1. ALL HOLES OR VOIDS CREATED TO EXTEND ELECTRICAL SYSTEMS THROUGH FIRE RATED FLOORS, WALLS OR CEILING SHALL BE SEALED WITH AN ASBESTOS-FREE INTUMESCENT FIRE STOPPING MATERIAL CAPABLE OF EXPANDING 8 TO 10 TIMES WHEN EXPOSED TO TEMPERATURES 250 DEGREES F OR HIGHER.
 2. MATERIALS SHALL BE SUITABLE FOR THE FIRE STOPPING OF PENETRATIONS MADE BY STEEL, GLASS, PLASTIC AND SHALL BE CAPABLE OF MAINTAINING AN EFFECTIVE BARRIER AGAINST FLAME, SMOKE AND GASES IN COMPLIANCE WITH THE REQUIREMENTS OF ASTM E814, UL 1479 AND THE UL FIRE RESISTANCE DIRECTORY REQUIREMENTS FOR THROUGH-PENETRATION FIRESTOP DEVICES (XHCR).
 3. THE RATING OF THE FIRE STOPS SHALL BE THE SAME AS THE TIME-RATED FLOOR, WALL OR CEILING ASSEMBLY.
 4. INSTALL FIRE STOPPING MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

26 05 19 - WIRE AND CABLE

- A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
- B. MATERIALS:
1. ALL CONDUCTORS SHALL BE COPPER WITH TYPE XHHW, THWN, THW OR THHN INSULATION. MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE SHALL BE #12 AWG. MINIMUM CONTROL CIRCUIT CONDUCTOR SIZE SHALL BE #18 AWG.
 2. NONMETALLIC SHEATHED CABLE: SOLID COPPER CONDUCTOR, 600 VOLT INSULATION, RATED 90° C IN DRY LOCATIONS, GROUNDING CONDUCTOR, TYPE NM-B.
- C. INSTALLATION:
1. COLOR CODE WIRES BY LINE OR PHASE. COLOR CODE THE 120/240V CONDUCTORS BLACK, RED, AND WHITE.
 2. DO NOT SHARE NEUTRAL CONDUCTORS. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT THAT REQUIRES A NEUTRAL.
 3. USE PROPERLY SIZED INSULATED SPRING WIRE CONNECTORS WITH PLASTIC CAPS FOR ALL CONDUCTORS #8 AWG AND SMALLER.
 4. INSTALLATION SCHEDULE: NON-METALLIC SHEATHED CABLE MAY BE USED FOR BRANCH CIRCUIT WIRING IN DRY, INTERIOR LOCATIONS.
 5. COLD TEMPERATURE INSTALLATIONS: THERMOPLASTIC TYPE INSULATED WIRES OR CABLES SHALL NOT BE INSTALLED WHEN AMBIENT TEMPERATURES ARE LESS THAN 20 DEGREES F.

26 05 26 - GROUNDING AND BONDING

- A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
- B. INSTALLATION:
1. PROVIDE A SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL NEW BRANCH CIRCUITS. TERMINATE EACH END ON IT'S OWN GROUNDING LUG, BUS, OR BUSHING.
 2. MECHANICAL CONNECTORS: NON-REVERSIBLE CRIMP TYPE LUGS ONLY. USE FACTORY MADE COMPRESSION LUG FOR ALL TERMINATIONS. CRIMP TYPE ONE HOLE FOR CONDUCTORS SMALLER THAN #6 AWG.
 3. BOND TOGETHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT, METAL RACEWAY SYSTEMS, GROUNDING CONDUCTOR IN RACEWAYS AND CABLES, AND RECEPTACLE GROUND CONNECTORS.

26 05 29 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

- A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
- B. MATERIAL: SUPPORT CHANNEL SHALL BE GALVANIZED OR PAINTED STEEL. HARDWARE SHALL BE CORROSION RESISTANT.
- C. INSTALLATION: EQUIPMENT WEIGHING MORE THAN 50 POUNDS SHALL BE ADEQUATELY ANCHORED TO THE BUILDING STRUCTURE TO RESIST LATERAL EARTHQUAKE FORCES.

26 05 33 - RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

- A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
- B. MATERIALS:
1. NONMETALLIC OUTLET BOXES: THERMOSET, PHENOLIC WITH 150C FIRE RATING. PROVIDE PLASTER RING WHERE APPLICABLE. MINIMUM SIZE 3-1/2" X 2-1/4" X 2-7/8" DEEP.
 2. PROVIDE GALVANIZED OR CADMIUM PLATED, ONE PIECE PRESSED STEEL OUTLET BOXES 4 INCH SQUARE OR OCTAGONAL, 1-1/2 INCHES DEEP MINIMUM SIZE FOR USE IN INTERIOR AREAS.
- C. INSTALLATION:
1. RACEWAYS AND BOXES PENETRATING VAPOR BARRIERS OR PENETRATING AREAS FROM COLD TO WARM SHALL BE TAPED AND SEALED WITH A NON-HARDENING DUCT SEALING COMPOUND TO PREVENT THE ACCUMULATION OF MOISTURE.
 2. PROVIDE OUTLET BOXES AS SHOWN ON THE DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS, DEVICE INSTALLATION AND CODE COMPLIANCE. PROVIDE KNOCKOUT CLOSURES FOR UNUSED OPENINGS.
 3. INSTALL FITTINGS AND FLEXIBLE METAL CONDUIT TO ACCOMMODATE 3-AXIS MOVEMENTS WHERE RACEWAY CROSSES SEISMIC JOINTS. INSTALL FITTINGS DESIGNED AND LISTED TO ACCOMMODATE EXPANSION AND CONTRACTION WHERE RACEWAY CROSSES CONTROL AND EXPANSION JOINTS.
 4. USE MULTIPLE-GANG BOXES WHERE MORE THAN ONE DEVICE ARE MOUNTED TOGETHER; DO NOT USE SECTIONAL BOXES.
 5. SUPPORT BOXES INDEPENDENTLY OF CONDUIT.

26 05 53 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

- A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
- B. MATERIALS:
1. TAPE LABELS: ADHESIVE TAPE LABELS, WITH 3/16 INCH BOLD BLACK LETTERS ON CLEAR BACKGROUND MADE USING DYMO RHINO SERIES OR EQUAL LABEL PRINTER.
 2. WIRE AND CABLE MARKERS: CLOTH MARKERS, SPLIT SLEEVE OR TUBING TYPE.
- C. INSTALLATION:
1. WIRE IDENTIFICATION: PROVIDE WIRE MARKERS ON EACH CONDUCTOR IN PANELBOARD GUTTERS, PULL BOXES, OUTLET AND JUNCTION BOXES, AND AT LOAD CONNECTION. MARKERS SHALL BE LOCATED WITHIN ONE INCH OF EACH CABLE END, EXCEPT AT PANELBOARDS, WHERE MARKERS FOR BRANCH CIRCUIT CONDUCTORS SHALL BE VISIBLE WITHOUT REMOVING PANEL DEADFRONT.
 2. DEVICE PLATES: LABEL EACH RECEPTACLE DEVICE PLATE OR POINT OF CONNECTION DENOTING THE PANELBOARD NAME AND CIRCUIT NUMBER. INSTALL LABEL ON THE TOP OF EACH DEVICE PLATE.

26 24 16 -LOADCENTERS

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- B. MATERIAL:
1. MANUFACTURERS: EATON TO MATCH EXISTING.
 2. NEW BREAKERS IN EXISTING PANELS: NEMA AB 1; UL LISTED FOR USE IN THE PANEL, AMPERE RATING AND NUMBER OF POLES AS INDICATED ON PLANS. AIC RATING SHALL MATCH THE LOWEST RATED DEVICE IN THE PANEL.
- C. INSTALLATION:
1. INSTALL NEW BREAKER(S) IN EXISTING PANEL(S) AND TEST FOR PROPER OPERATION. UPDATE CIRCUIT DIRECTORY TO REFLECT ALL CHANGES.

26 27 26 - WIRING DEVICES

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- B. MATERIALS:
1. WALL SWITCHES: SWITCHES FOR LIGHTING CIRCUITS SHALL BE NEMA WD1 AC GENERAL USE SNAP SWITCH WITH TOGGLE HANDLE, RATED 20 AMPERES AND 120/277V AC. HANDLE: WHITE NYLON. PROVIDE SINGLE-POLE OR 3-WAY LIGHT SWITCHES AS INDICATED ON PLANS.
 2. WALLPLATES: DECORATIVE WALLPLATES IN FINISHED AREAS SHALL BE WHITE THERMOPLASTIC NYLON WITH METAL, COUNTER SUNK SCREWS TO MATCH COLOR OF WALLPLATE. PROVIDE 1/2 INCH RAISED, SQUARE, GALVANIZED OR CADMIUM PLATED, PRESSED STEEL COVER PLATE SUPPORTING DEVICES INDEPENDENT OF THE OUTLET BOX FOR ALL EXPOSED WORK.
- C. INSTALLATION:
1. INSTALL WALL SWITCHES 48 INCHES ABOVE FLOOR, OFF POSITION DOWN.
 2. INSTALL GALVANIZED STEEL PLATES ON OUTLET BOXES AND JUNCTION BOXES IN UNFINISHED AREAS, ABOVE ACCESSIBLE CEILINGS, AND ON SURFACE-MOUNTED OUTLETS.

26 29 13 - ENCLOSED CONTROLLERS

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- B. MATERIALS:
1. MANUFACTURERS: SQUARE D, GE, EATON, OR EQUAL.
 2. MANUAL AND FRACTIONAL MOTOR STARTERS: NEMA ICS 2, AC GENERAL PURPOSE CLASS A, MANUALLY OPERATED UNIT WITH NUMBER OF POLES AS REQUIRED BY THE LOAD SERVED, FULL-VOLTAGE CONTROLLER FOR FRACTIONAL HORSEPOWER INDUCTION MOTORS, WITH THERMAL OVERLOAD UNIT, RED PILOT LIGHT, AND TOGGLE OPERATOR.
- C. INSTALLATION:
1. SELECT AND INSTALL HEATER ELEMENTS IN MOTOR STARTERS TO MATCH INSTALLED MOTOR CHARACTERISTICS.
 2. AFTER FINAL CONNECTIONS ARE MADE, CHECK AND CORRECT THE ROTATION OF ALL MOTORS.
 3. MOTOR STARTING EQUIPMENT SHALL BE LISTED FOR USE AND PROPERLY SIZED FOR OPERATION WITH THE MOTORS SPECIFIED BY MECHANICAL.

26 50 00 - LIGHTING FIXTURES

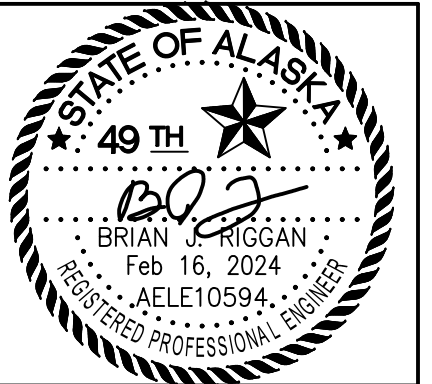
- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- B. MATERIALS:
1. LUMINAIRES: PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT OR APPROVED EQUAL AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE "FIXTURE SCHEDULE". PROVIDE LIGHTING EQUIPMENT COMPLETE, WIRED, ASSEMBLED, WITH PROPER FLANGES, MOUNTING SUPPORTS, HARDWARE, ETC.
- C. INSTALLATION:
1. INSTALL RECESSED LUMINAIRES TO PERMIT REMOVAL FROM BELOW. USE PLASTER FRAMES IN HARD CEILINGS.
 2. PROVIDE LUMINAIRE DISCONNECTING MEANS IN DRIVER CHANNEL OF EACH LIGHT FIXTURE. WHERE THE LUMINAIRE IS FED FROM A MULTI-WIRE BRANCH CIRCUIT, PROVIDE MULTI-POLE DISCONNECT TO SIMULTANEOUSLY BREAK ALL SUPPLY CONDUCTORS TO THE DRIVER, INCLUDING THE GROUNDED CONDUCTOR.

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22x34 STANDARD SHEET
11 X 17 SHEET IS HALF SCALE



**SOUTHCENTRAL FOUNDATION
RESIDENCE ROOF IMPROVEMENTS**

4353 Rendezvous Circle
Anchorage, AK

REVISIONS		
NO.	DESCRIPTION	DATE
1		
2		
3		
4		

DRAWN BY	DATE
BJR	2-16-24
CHECKED	JOB NO.
BJR	23BR-33

SHEET CONTENTS
ELECTRICAL SPECIFICATIONS

SHEET NO
E2.1