

Convert 2-Unit to Single Family Residence. Interior Rehab & New 2-Story Frame Addition including New Partitions, New Electrical, Mechanical & Plumbing Systems, New Roof System & New Rear Deck & Balcony per Plans.

223 Center Street, Naperville Illinois 60540

Building Info: 2-Story, Residential Use, Frame Building

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CITY OF NAPERVILLE ADOPTED CODES

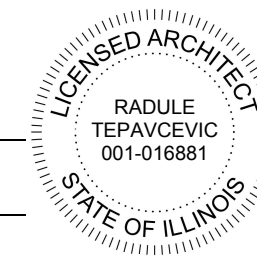
2018 INTERNATIONAL BUILDING CODE	2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL RESIDENTIAL CODE	2018 INTERNATIONAL PROPERTY MAINTENANCE CODE
2012 INTERNATIONAL MECHANICAL CODE	2017 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL FIRE CODE	2021 INTERNATIONAL ENERGY CONSERVATION CODE
2018 LIFE SAFETY CODE	2018 INTERNATIONAL EXISTING BUILDING CODE
ILLINOIS PLUMBING CODE	

STATEMENT OF COMPLIANCE

THIS IS TO CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF CONFORM TO THE REQUIREMENTS OF THE CITY OF NAPERVILLE ADOPTED BUILDING CODES.

SIGNED:  DATE: **07-04-2023**

ILLINOIS LIC. NO. **001-016881**, EXP. DATE: **11-30-2024**

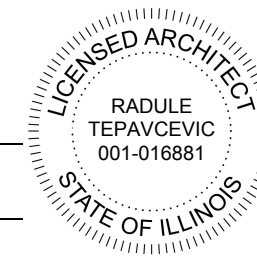


ENERGY CONSERVATION CODE COMPLIANCE STATEMENT

I CERTIFY THAT I AM A THE REGISTERED DESIGN PROFESSIONAL FOR THIS PROJECT. I ALSO CERTIFY THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF THE ATTACHED PLANS FOR: **223 CENTER STREET, NAPERVILLE, IL 60540** FULLY COMPLY WITH THE REQUIREMENTS OF THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, ADOPTED INTO THE CITY OF NAPERVILLE ORDINANCE

SIGNED:  DATE: **07-04-2023**

ILLINOIS LIC. NO. **001-016881**, EXP. DATE: **11-30-2024**



LIABILITY INSURANCE:

PROVIDE LIABILITY INSURANCE (HOLD HARMLESS AGREEMENT): THE CONTRACTOR SHALL MAINTAIN CONTRACTUAL LIABILITY INSURANCE TO COVER LIABILITY ASSUMED UNDER THE FOLLOWING AGREEMENT: THE CONTRACTOR AND ANY SUBCONTRACTOR SHALL INDEMNIFY AND SAVE HARMLESS OWNER AND ARCHITECT/ENGINEER (A/E), AND THEIR PARTNERS, AGENTS AND EMPLOYEES AGAINST ANY LOSS, DAMAGE OR EXPENSE FOR WHICH THE OWNER AND A/E MAY BECOME LIABLE ON AN ACCOUNT OF BODILY INJURY INCLUDING DEATH, OR PROPERTY DAMAGE SUSTAINED BY ANYONE WHICH MAY ARISE OUT OF OR RESULT FROM THE OPERATIONS OF THE CONTRACTOR OR OF THOSE EMPLOYED BY HIS AGENTS OR SERVANTS INCLUDING HIS SUBCONTRACTORS, IN THE EXECUTION OF ANY WORK INCLUDED UNDER THIS CONTRACT, WHETHER OR NOT IT SHALL BE CLAIMED THAT THE INJURY OR DAMAGE WAS CAUSED THROUGH A NEGLIGENT ACT OR OMISSION OF THE OWNER AND A/E, THEIR AGENTS, SERVANTS OR EMPLOYEES, OR BY ANY OTHER PERSONS WHOMSOEVER; AND THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, APPEAR, DEFEND, PAY ALL COSTS AND EXPENSES, INCLUDING ATTORNEY'S FEES AND ALL JUDGEMENTS IN CONNECTION WITH LIABILITY ASSUMED HERE UNDER. THE FOLLOWING INDEMNIFICATION SHALL ALSO INCLUDE ALL LIABILITY OF THE OWNER, A/E AND OTHER MENTIONED PERSONS ARISING UNDER THE SO CALLED "STRUCTURAL WORK ACT" (CH. 48 SEC. 60-90 ILLINOIS REVISED STATS.) EACH AND EVERY CONTRACTOR AND SUBCONTRACTOR WHEN ACCEPTING CONTRACTUAL OBLIGATIONS FOR THIS PROJECT SHALL UNDERSTAND THAT A PREREQUISITE TO ANY OPERATION AT PROJECT WHETHER FILED WITH OWNER OR NOT, THAT THEY HAVE IMPLIED AGREEMENT TO THE ABOVE ITEM, (HOLD HARMLESS AGREEMENT AND ITS SPECIFIC WORDING).

LIMIT OF WARRANTY OF ARCHITECT'S WORK PRODUCT:

THE A/E AND HIS CONSULTANTS DO NOT WARRANTY OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE WORK BEYOND A REASONABLE DILIGENCE. IF ANY ERRORS, DISCREPANCIES OR OMISSIONS ARE FOUND TO EXIST IN THE WORK PRODUCT, THE A/E SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE A/E OF SUCH CONDITIONS SHALL ABSOLVE THE A/E FROM ANY RESPONSIBILITY OF SUCH FAILURE. ACTION TAKEN WITHOUT KNOWLEDGE AND CONSENT OF THE A/E OR IN CONTRADICTION TO THE WORK PRODUCT OR THE RECOMMENDATIONS OF THE A/E SHALL BECOME THE RESPONSIBILITY OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION.

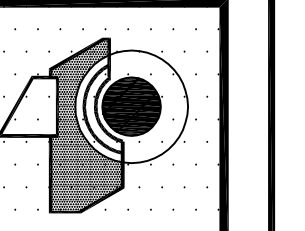
NOTES:

1. THE INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME TO THE A/E. THIS INFORMATION CANNOT BE GUARANTEED TO SHOW EVERY EXISTING CONDITIONS. THE CONTRACTORS SHALL READ AND STUDY THE TOTAL SET OF PLANS FOR ALL WORK. CONTRACTOR MUST VISIT THE SITE AND DETERMINE ALL FIELD CONDITIONS. ALL DIMENSIONS SHALL BE FIELD VERIFIED AND ALL DISCREPANCIES SHALL BE REPORTED TO A/E PRIOR TO BID SUBMISSIONS.
2. THE INFORMATION SHOWN IN THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE SHOP DRAWINGS COORDINATED WITH ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL DESIGN FOR REVIEW AND APPROVAL BY THE A/E OF RECORD.

REVISIONS	NO.	BY:	DATE:	DESCRIPTION:
	RT	RT	07/04/2023	Rehab
	RT	RT	07/04/2023	Permit

**Convert 2-Unit to Single Family Residence, Interior Rehab
& New 2-Story Frame Addition including New Partitions,
New Electrical, Mechanical & Plumbing Systems, New
Roof System & New Rear Deck & Balcony per Plans.**
 223 Center Street, Naperville Illinois 60540

R.T. ARCHITECT INC.



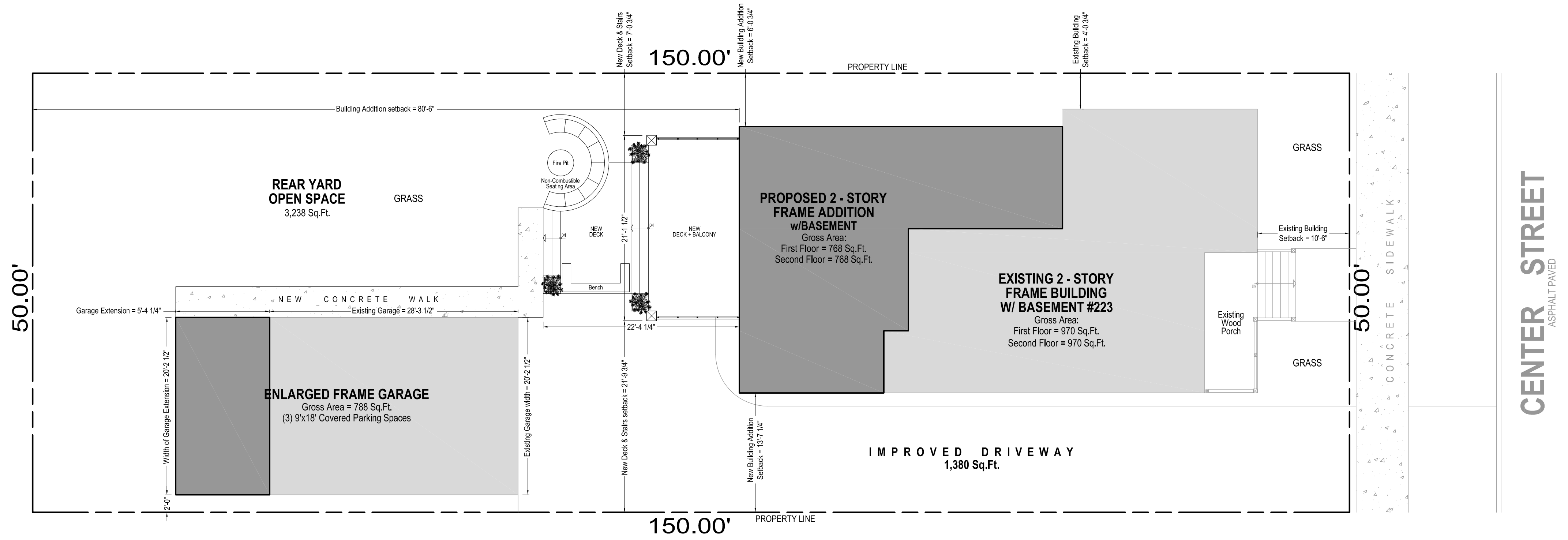
RADULE TEPAVCEVIC
7501 BROWN AVE., SUITE A
FOREST PARK, IL 60130
TEL: (312) 217-8653
rt@rtarch.com

PROJECT ARCHITECT:
RT
DRAFTPERSON:
CS
APPROVED:
RT
PREPARED FOR:
OWNER
LOCATION:
223 Center Street
Naperville, IL 60540
JOB NUMBER:
223CS-07042023

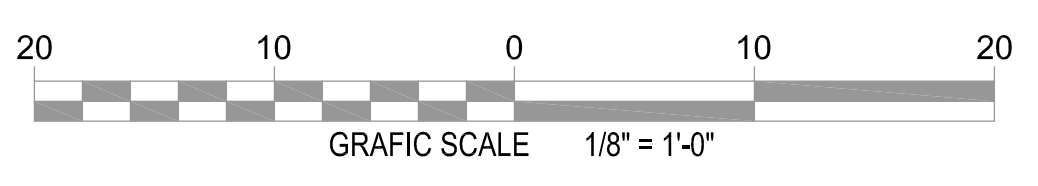
SHEET No.:

CS

SHEET Name:
Title Sheet



BUILDING INFORMATION		
	EXISTING	PROPOSED
YEAR BUILT	1865	---
STORIES	TWO	TWO
No. OF BUILDINGS / MATERIAL	ONE / FRAME	ONE / FRAME
FLOOR AREA RATIO	0.33	0.57
LOT COVERAGE	0.20	0.33
RESIDENTIAL UNITS	ONE	ONE
LOT AREA	7,500 SQ.FT.	7,500 SQ.FT.
BUILDING AREA	1,944 SQ.FT.	3,476 SQ.FT.
GARAGE AREA	572 SQ.FT.	788 SQ.FT.



1 SITE PLAN
 Lot Area = 7,500 Sq.Ft. SCALE 1/8"=1'-0"

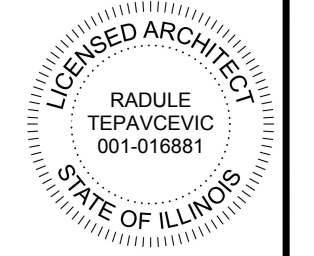
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 TEL: (312) 217-8653
 tepavcevic@aol.com

PROJECT ARCHITECT:
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 DRAFTPERSON:
 CS
 APPROVED:
 RT
 PREPARED FOR:
 OWNER
 LOCATION:
 223 Center Street
 Naperville, IL 60540
 JOB NUMBER:
 223CS-07042023



SHEET No.:
 SHEET Name:
 Site Plan



ABBREVIATIONS

A	G	Q
AC Acoustical ceiling	GA Gauge	QTY Quantity
A/C Air conditioning	GALV Galvanized	
ADJ Adjacent	GC General Contractor	R
AFF Above finished floor	GL Glass	R Radius
ALT Alternate	GRD Ground	RAD Radius
AL Aluminum	GWB Gypsum Wallboard	RD Roof Drain
ALUM Aluminum	GYP Gypsum	REF Reference
AP Access panel		REINF Reinforced, Reinforcing
APPROX Approximately	H	REQD Required
	HB Hose Bibb	REV Revise(d), Revision
	HC Handicapped Accessible	RM Room
B/ Bottom, Bottom of	HDWE Hardware	RO Rough Opening
BD Board	HM Hollow Metal	
BLDG Building	HORIZ Horizontal	S
BLK Block, Blocking	HP High Point	S South
BM Beam	HVAC Heating, Ventilation & A/C	SC Solid Core
BSMT Basement		SECT Section
	I	SF Square feet
CAB Cabinet	IN Inch	SHT Sheet
C/C Center-to-center	INSUL Insulated, Insulation	SIM Similar
CJ Control joint	INT Interior	SPEC Specification
CL Center line	J	SPKR Speaker
CLG Ceiling	JT Joint	SS Stainless Steel
CLR Clear		ST Stainless
CMU Concrete Masonry Unit	L	STD Standard
COL Column	LAM Laminate	STL Steel
CONC Concrete	LAV Lavatory	STRUCT Structural
CONST Construction	LP Low Point	SUSP Suspended
CONT Continuous	LT Light	
CORR Corridor	LTG Lighting	T
CPT Carpet		T/ Top of
CT Ceramic tile	M	T&B Top and bottom (of)
	MACH Machine	T&G Tongue & groove
	MAS Masonry	TEL Telephone
DIA Diameter	MATL Material	THK Thick
DM Dimension	MAX Maximum	TYP Typical
DN Down	MECH Mechanical	
DR Door	MFR Manufacturer	U
DTL Detail	MIN Minimum	UL Underwriters Laboratory
DWG Drawing	MISC Miscellaneous	UNO Unless noted otherwise
	MO Masonry Opening	
E	MTL Metal	V
E East	MULL Mullion	VB Vapor Barrier
EA Each		VCT Vinyl Composition Tile
ELEC Electric, Electrical	N	VERT Vertical
ELEV Elevator, Elevation	N North	VIF Verify in field
EQ Equal	NC Non-combustible	VT Vinyl tile
EX Existing	NIC Not in Contract	VWC Vinyl wall covering
EXIST Existing	NO Number	
EXP Exposed	NOM Nominal	W
EXT Exterior	NRC Noise Reduction Coefficient	W Width
	NTS Not to scale	W/ With
		W/O Without
F		WC Water closet
FD Floor Drain	O	WD Wood
FDN Foundation	OC On center	WDV Wood veneer
FF Finished Floor	OCC Occupancy, Occupant(s)	WH Water heater
FIN Finish, Finished	OH Opposite Hand	WP Waterproofing, Work point
FL Floor	OPNG Opening	WWF Welded Wire Fabric
FLR Floor	OPP Opposite	
FTG Footing		
FUT Future	P	
	PLAM Plastic Laminate	
	PLBG Plumbing	
	PLYWD Plywood	
	PROP Property	
	PTD Painted	
	PVC Polyvinyl Chloride	

WORKING DRAWING NOTES

- CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW AND EXISTING CONDITIONS AND DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS PRIOR TO BIDDING AND START OF AND DURING CONSTRUCTION. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED, IN WRITING FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS GIVEN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONS. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR AND COORDINATED WITH ALL OF THE WORK OF ALL TRADES. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE THE COMMENCEMENT OR RETURN TO WORK.
- ABBREVIATIONS THROUGHOUT THE PLANS ARE THOSE IN COMMON USE. NOTIFY THE ARCHITECT OF ANY ABBREVIATIONS IN QUESTION.
- DIMENSIONS SHOWN ON FLOOR PLANS, SECTIONS, ELEVATIONS, AND DETAILS ARE TO FINISH FACE OF WALL, MASONRY, OR CONCRETE, UNLESS OTHERWISE NOTED.
- IN THE CASE OF A CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, SPECIFICATIONS SHALL TAKE PRECEDENCE. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY CONFLICT BEFORE PROCEEDING WITH THE WORK.
- THE SPECIFICATIONS AND ALL CONSULTANT DRAWINGS ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF ANY OF THE CONSULTANT'S WORK AND TO BRING ANY DISCREPANCIES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT, IN WRITING FOR CLARIFICATION. IMPROPERLY INSTALLED WORK SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS EXPENSE AND AT NO EXPENSE TO THE ARCHITECT, HIS/HER CONSULTANTS, OR THE OWNER.
- THE ARCHITECT SHALL BE CONSULTED IN ALL CASES WHERE CUTTING INTO AN EXISTING STRUCTURAL PORTION OF ANY BUILDING IS EITHER EXPEDIENT OR NECESSARY. PRIOR TO PROCEEDING WITH WORK, REINFORCEMENT AND/OR SUPPORT SATISFACTORY TO ARCHITECT AND STRUCTURAL ENGINEER SHALL BE PROVIDED BY CONTRACTOR PRIOR TO CUTTING INTO STRUCTURAL PORTIONS OF ANY BUILDING.
- LEGAL EXITS SHALL NOT BE BLOCKED AT ANY TIME.
- FINAL CLEAN UP AND DISPOSAL: REMOVE DEBRIS, RUBBISH, AND WASTE MATERIALS FROM THE OWNERS PROPERTY TO A LAWFUL DISPOSAL AREA AND PAY ALL HAULING AND DUMPING COSTS. CONFORM TO PERTAINING FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDERS UPON COMPLETION OF WORK, ALL CONSTRUCTION AREAS SHALL BE LEFT VACUUM-CLEAN AND FREE FROM DEBRIS, CLEAN ALL DUST, DIRT, STAINS, HANDMARKS, PAINT SPOTS, DROPPINGS AND OTHER BLEMISHES.
- PRIOR TO INSPECTION OF EXISTING FACILITY, THE CONTRACTOR MUST RECEIVE PERMISSION FOR SITE ACCESS FROM THE OWNER OR THE DESIGNATED REPRESENTATIVE.
- WHEN IT IS NECESSARY TO INTERRUPT ANY EXISTING UTILITY SERVICE TO MAKE CORRECTIONS AND/OR CONNECTION, A MINIMUM OF 48 HOURS ADVANCE NOTICE SHALL BE GIVEN TO THE OWNER. INTERRUPTIONS IN UTILITY SERVICES SHALL BE OF THE SHORTEST POSSIBLE DURATION FOR THE WORK AT HAND AND SHALL BE APPROVED IN ADVANCE BY THE OWNER.
- IN THE EVENT THE UTILITY SERVICE IS INTERRUPTED WITHOUT THE REQUIRED 48 HOUR NOTICE, THEN THE CONTRACTOR SHALL BE FINANCIALLY LIABLE FOR ALL DAMAGES SUFFERED BY THE OWNER DUE TO THE UNAUTHORIZED INTERRUPTION. RECONNECTION SHALL BE MADE IMMEDIATELY.
- IF THE CONTRACTOR ASCERTAINS AT ANY TIME THAT THE REQUIREMENTS OF THIS CONTRACT CONFLICT WITH, OR ARE IN VIOLATION OF, APPLICABLE LAWS, CODES, REGULATIONS, AND ORDINANCES, HE SHALL NOT PROCEED THE WORK IN QUESTION, EXCEPT AT HIS OWN RISK, UNTIL ARCHITECT HAS BEEN NOTIFIED IN WRITING AND WRITTEN DETERMINATION IS MADE BY THE ARCHITECT, WHERE COMPLETED OR PARTIALLY COMPLETED WORK IS DISCOVERED TO BE IN VIOLATION WITH APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES, CONTRACTOR SHALL BE REQUIRED TO REMOVE THAT WORK WITH ALL NEW COMPLYING WORK AT NO ADDITIONAL EXPENSE TO THE OWNER, ARCHITECT OR CONSULTANTS.
- ANY WORK INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS/HER EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER, ARCHITECT OR CONSULTANTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FLOOR-TO FLOOR ELEVATIONS; THE NEW BUILDING EXPANSION'S GROUND FLOOR SHALL ALIGN IN ELEVATION WITH RESPECTIVE FLOORS IN EXISTING BUILDING.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK UNLESS DESIGNATED (N.I.C) OR (O.F.O.I.). ALL EQUIPMENT, WORK AND MATERIALS SHALL COMPLY WITH ALL CURRENT AND LOCAL APPLICABLE CODES AND GOVERNING REGULATIONS, AND CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROTECT ALL FINISH WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND SHALL REPLACE AND/OR REPAIR ALL DAMAGED SURFACES CAUSED BY THE CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND INSPECTIONS.
- SPECIAL NOTICE TO CONTRACTOR: ALL CONTRACTORS PERFORMING WORK ON THE PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING BUT NOT LIMITED TO THE ISOLATION OF WORK AREAS AND PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MAY ENDANGER VISITORS AND STAFF OF THE OWNER OR ARCHITECT.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BELOW GRADE AND RELATED SERVICE CONNECTIONS WITH THE RESPECTIVE UTILITY COMPANIES.
- THE CONTRACTOR SHALL PROVIDE SANITARY FACILITIES FOR WORKERS USE. EXISTING FACILITIES SHALL AND MAY NOT BE USED.
- THE CONTRACTOR SHALL OBTAIN OSHA PERMITS FOR ANY VERTICAL EXCAVATION OVER 5'-0" DEEP INTO WHICH PERSONS MUST DESCEND.
- CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING ALL PERMITS AND FEES REQUIRED, NOT NORMALLY COVERED BY THE BUILDING PERMITS.
- DRAWINGS OF EXISTING CONDITIONS HAVE BEEN COMPILED FROM EXISTING DATA SUPPLIED BY THE OWNER TO THE ARCHITECT. THE ARCHITECT MAKES NO WARRANTY EITHER EXPRESSED OR IMPLIED, FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING INFORMATION RECORDED. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
- THE EXIT DOOR MUST OPEN OVER A LANDING NOT MORE THAN 1'-0" BELOW THE THRESHOLD.
- OVERHEAD DOORS ARE NOT PERMITTED AS EXIT DOORS.
- THE CONSTRUCTION OR DEMOLITION OF ANY BUILDING STRUCTURE, SCAFFOLDING OR FALSEWORK MORE THAN THREE STORIES OR 36'-0" IN HEIGHT REQUIRES A PERMIT FROM THE STATE OF ILLINOIS DIVISION OF INDUSTRIAL SAFETY (OR EQUIVALENT) PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
- APPROVED NUMBERS AND ADDRESSES SHALL BE PROVIDED IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET.

MATERIAL NOTES

WOOD
1. SOUTHERN YELLOW PINE, PRESSURE TREATED USING ACC-C, ACC-D, CBA-A OR CBA-B PRESERVATIVE, GRADE No. 1 OR BETTER SHALL BE USED FOR COLUMNS AND GRADE No. 2 OR BETTER SHALL BE USED FOR ALL OTHER MEMBERS.
2. ALL WOOD CONSTRUCTION SHALL CONFORM TO THE AITC (AMERICAN INSTITUTE OF TIMBER CONSTRUCTION) AND THE APA (AMERICAN PLYWOOD ASSOCIATION) NATIONAL DESIGN SPECIFICATIONS.
3. ALL WOOD CONSTRUCTION EXPOSED TO WEATHER TO BE PRESSURE TREATED.
FASTENERS
FASTENERS SHALL BE AS FOLLOWS:
1. NAILS: STAINLESS STEEL OR HOT-DIPPED GALVANIZED, SIZED AS SPECIFIED IN DETAILS.
2. DECK SCREWS: 2-1/2" TO 3-1/2" LONG, #8 MINIMUM SIZE, STAINLESS STEEL OR HOT-DIPPED GALVANIZED.
3. LAG BOLTS: STAINLESS STEEL OR HOT-DIPPED GALVANIZED, SIZED AS SPECIFIED IN DETAILS. MATERIAL SHALL BE S&E GRADE #2.
4. HEX BOLTS: STAINLESS STEEL OR HOT-DIPPED GALVANIZED, SIZED AS SPECIFIED IN DETAILS. MATERIAL SHALL BE ASTM A307.
CONCRETE
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE 'AMERICAN CONCRETE INSTITUTE BUILDING CODE' (ACI 318) AND WITH 'SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS' (ACI 301), LATEST EDITION.
2. ALL NORMAL WEIGHT CONCRETE (145 P.C.F.) SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS: FOOTINGS - 3500 PSI FEDESTALS - 3500 PSI
3. PROVISIONS MUST BE TAKEN TO PROTECT ALL CONCRETE WORK FROM FROST DAMAGE WITH SPECIAL ATTENTION PAID TO FOOTINGS AND OTHER ON-GRADE CONSTRUCTION PRIOR TO BACKFILLING AND ENCLOSING THE BUILDING.
4. CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED IN CONCRETE.
5. ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE WITH SPECIFIED STRENGTH LESS THAN 6000 PSI SHALL BE AIR ENTRAINED 4% TO 6%.
6. COLD WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-308. HOT WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-305.
7. EXCAVATION WORK TO BE PERFORMED BY A LICENSED, INSURED & BONDED, EXCAVATION CONTRACTOR, WITH THE CITY OF NAPERVILLE.
REINFORCEMENT BARS
1. REINFORCEMENT BARS SHALL BE ASTM A615, GRADE 60 STEEL.
MASONRY
1. MASONRY UNITS SHALL COMPLY WITH APPLICABLE ASTM STANDARDS, AND MORTAR SHALL BE TYPE M OR S, WITH $f_m \geq 1,500$ PSI.
METAL CONSTRUCTION CONNECTORS
1. SHALL BE STAINLESS STEEL, HOT-DIPPED GALVANIZED OR TRIPLE ZINC GALVANIZED (G-185), SIMPSON STRONG TIE, UNITED STEEL PRODUCTS OR EQUAL, TO BE USED FOR JOIST HANGER, COLUMN BASE, METAL STRAP AND METAL ANGLE CONNECTIONS. NOTE THAT IF HOT-DIPPED GALVANIZED OR TRIPLE ZINC GALVANIZED CONNECTORS ARE USED, ALL THE FASTENERS FOR THAT CONNECTION MUST BE HOT-DIPPED GALVANIZED AS WELL, SINCE THE STAINLESS STEEL COULD DAMAGE THE GALVANIZING.
FLASHING AND SEALANTS
1. FLASHING SHALL BE 28 GA. STAINLESS STEEL (0.015 IN MINIMUM THICKNESS ASTM A167, TYPE 304) OR 16oz ROLLED COPPER (0.021 IN MINIMUM THICKNESS ASTM B370). CARLISLE COATINGS' COW-705 SELF-ADHERING VAPOR BARRIER SYSTEM OR EQUAL SHALL BE USED FOR THE VAPOR BARRIER AT THE LEDGER BEAM CONNECTIONS. SEALANT SHALL BE 100% SILICONE RUBBER SEALANT WITH A 50 YEAR DURABILITY GUARANTEE.
STRUCTURAL STEEL
1. ALL STRUCTURAL STEEL SHALL BE ASTM A-36, COATED WITH A RUST PROHIBITED PRIMER WITH A MINIMUM DRY THICKNESS OF 3 MILS.

TABLE A - METAL CONNECTORS

ITEM	SST MODEL#	USP MODEL#	GAGE	INSTALLATION HARDWARE
SINGLE JOIST HANGER 1	LUS210 Z OR SS	JUS210 TZ, SS	18	4-10d (Joist), 8-10d (Header)
DOUBLE JOIST HANGER 2	LUS210-2Z OR SS	JUS210-2TZ, SS	18	6-16d (Joist), 8-16d (Header)
SINGLE JOIST HANGER 3	LUS28 Z	JUS28 TZ, SS	18	4-10d (Joist), 6-10d (Header)
DOUBLE JOIST HANGER 4	LUS28-2Z	JUS28-2TZ, SS	18	4-16d (Joist), 6-16d (Header)
METAL ANGLE 1	L90 Z	AC9 TZ	16	10-10d, 5 each Leg
METAL ANGLE 2	A23 Z	A3 TZ	18	8-10d x 1-1/2", 4 each Leg
METAL ANGLE 3	T49 Z OR KT	SC49 TZ	12	5-1/4" dia. x 1-1/2" wood Screw
COLUMN BASE, 6"x6" POST	CBS06-SDS2 HDG	CBS06-SDS2 TZ	12	14-1/4" dia. x 2" wood Screws
COLUMN BASE, 6"x6" POST	ABU6Z	---	12	12-16d, (2) 1/2" dia. Bolts, 5/8" Anchor
POST BASE, RAILING POST	PBS44A HDG	WAS 44 TZ	12	14-16d, (2) 1/2" dia. Bolts
METAL STRAP	MSTA12 Z OR SS	MSTA12 TZ, SS	18	10-10d
POST BASE PLATE	CPB4	CPB4	--	4-10d

NOTES:
1. USE SMALLER LENGTH NAILS WITH SPECIFIED PENNY WEIGHT.
2. SST = SIMPSON STRONG TIE, USP = UNITED STEEL PRODUCTS, HDG = HOT DIPPED GALVANIZED
SS = STAINLESS STEEL, Z = 2-MAX GALVANIZED (G-185), TZ = TRIPLE ZINC GALVANIZED (G-185)

FLAME SPREAD RATING

MATERIALS USED FOR INTERIOR WALL AND CEILING FINISH SHALL CONFORM AS FOLLOWS:

STARWAYS, PUBLIC LOBBIES & PUBLIC CORRIDORS	CLASS 1
BUSINESS UNITS	CLASS 2
RESIDENTIAL UNITS	CLASS 1

FLAME SPREAD RATING

CLASSIFICATION	FLAME SPREAD RATING	SMOKE DEVELOPED
CLASS 1	0 TO 12	200
CLASS 2	26 TO 76	450
CLASS 3	76 TO 200	450

BUILDING DESIGN LOADS

ROOF LOADS

LIVE LOAD	15 PSF
DEAD LOAD	15 PSF
SNOW LOAD	25 PSF
DRIFT SNOW LOAD	15 PSF

FIRST FLOOR LOADS

LIVE LOADS	
RESIDENTIAL	40 PSF
DEAD LOADS	20 PSF

LATERAL LOADS

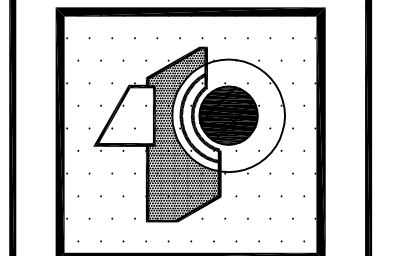
WIND LOADS	20 PSF
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GENERAL DRAWING SYMBOLS

	REVISION NUMBER
	SPOT ELEVATION
	ELEVATION MARKER
	WALL TYPE: sheet number - wall type
	DETAIL: SAME SHEET - detail number
	DETAIL: OTHER SHEET - detail number - sheet number
	DETAIL SECTION: SAME SHEET - detail number
	DETAIL SECTION: OTHER SHEET - detail number - sheet number
	OVERALL SECTION - detail number - sheet number
	DETAIL ELEVATION: OTHER SHEET - detail number - sheet number
	DETAIL ELEVATION: SAME SHEET - detail number
	INTERIOR ELEVATION: OTHER SHEET - detail number - sheet number
	INTERIOR ELEVATION: SAME SHEET - detail number

Convert 2-Unit to Single Family Residence, Interior Rehab
 & New 2-Story Frame Addition including New Partitions,
 New Electrical, Mechanical & Plumbing Systems, New
 Roof System & New Rear Deck & Balcony per Plans.
 223 Center Street, Naperville Illinois 60540

R.T. ARCHITECT INC.



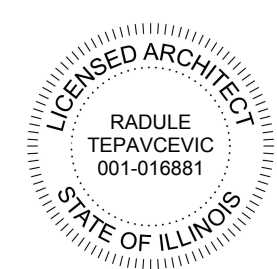
RADULE TEPAVCEVIC
7501 BROWN AVE., SUITE A
FOREST PARK, IL 60130
TEL: (312) 217-8653
rtapaevic@aol.com

PROJECT ARCHITECT:
RT
DRAFTPERSON:
CS
APPROVED:
RT
PREPARED FOR:
OWNER
LOCATION:
223 Center Street
Naperville, IL 60540
JOB NUMBER:
223CS-07042023

SHEET No.:

G-01

SHEET Name:
General Project
Information



DIVISION 1 GENERAL REQUIREMENTS

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES AND ALL AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH WORK AND NOTIFY SUPERINTENDENT AT ONCE OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
- PLUMBING SCHEMATIC DRAWING, HVAC DRAWING, SEWER MAIN, ELECTRICAL OUTLETS, SWITCHES, LIGHT LOCATIONS FOR ROUTING ALL PLUMBING, MECHANICAL AND ELECTRICAL WORK IS TO BE COORDINATED BETWEEN THE TRADES AFFECTED BY THE WORK AS PART OF THEIR INSTALLATION LAYOUT. NO PLUMBING, MECHANICAL OR ELECTRICAL INFORMATION IS TO BE SCALED FROM THE DRAWING.
- ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR.
- EXTRAS SHALL BE AUTHORIZED IN WRITTEN CHANGE ORDERS ONLY BY THE A/E OF RECORD. OWNER TO AUTHORIZE CHANGE ORDERS IF CONTRACT BETWEEN OWNER & CONTRACTOR ALLOWS THEM.
- ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER.
- EACH CONTRACTOR SHALL INCLUDE LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC., FOR THE COMPLETE CONSTRUCTION OF WORK INDICATED AND SPECIFIED BY THE DRAWINGS AND SPECIFICATIONS.
- MATERIALS AS SPECIFIED ON DRAWINGS SHALL BE USED OR EQUAL APPROVED.
- SUBSTITUTION OF MATERIALS SHALL NOT BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE GENERAL CONTRACTOR.
- EACH SUBCONTRACTOR SHALL AMEND AND MAKE GOOD AT HIS/HER OWN COST, ANY DEFECT OR OTHER FAULTS IN THEIR WORK OR MATERIAL.
- EACH CONTRACTOR IS TO CLEAN UP DEBRIS INSIDE AND OUTSIDE THE BUILDING SITE WHICH HAS BEEN CAUSED BY THEIR WORK OR BE BACKCHARGED AT A RATE OF \$45.00 PER HOUR.
- THE ARCHITECT SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION.
- ALL WORK AND USE OF MATERIALS SHALL BE IN ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S TRADE ASSOCIATION AND/OR INSTITUTE STANDARDS AND SPECIFICATIONS.
- OWNER WILL REQUIRE THE SUBCONTRACTORS TO OBTAIN AND MAINTAIN COMMERCIAL GENERAL LIABILITY INSURANCE WITH BROAD FROM PROPERTY DAMAGE COVERAGE AND CONTRACTUAL LIABILITY ENDORSEMENT INSURING THE INDEMNITY REQUIRED OF THE CONTRACTOR. THE INDEMNITIES ENDORSEMENT INCLUDED ON THE CONTRACTOR'S COMMERCIAL GENERAL LIABILITY POLICY WILL PROVIDE THE FOLLOWING:
 - THAT THE COVERAGE AFFORDED THE ADDITIONAL INSURED WILL BE THE PRIMARY INSURANCE FOR THE ADDITIONAL INSURED WITH RESPECT TO CLAIMS ARISING OUT OF OPERATIONS PERFORMED ON OR ON BEHALF OF THE CONTRACTOR.
 - THAT IF THE ADDITIONAL INSURED HAVE OTHER INSURANCE WHICH IS APPLICABLE TO THE LOSS SUCH OTHER INSURANCE WILL BE ON AN EXCESS OR CONTINGENT BASIS.
 - THAT THE AMOUNT OF THE COMPANY'S LIABILITY UNDER THE INSURANCE POLICY WILL NOT BE REDUCED BY THE EXISTENCE OF SUCH OTHER INSURANCE.
 - THAT ADDITIONAL INSURED WILL BE GIVEN NOT LESS THAN 30 DAYS PRIOR WRITTEN NOTICE OF ANY CANCELLATION THEREOF.
- SUBCONTRACTORS SHALL CARRY THE FOLLOWING MINIMUM INSURANCE COVERAGE:

LIABILITY:	\$ 1,000,000.00
BODILY INJURY:	\$ 1,000,000.00
PROPERTY DAMAGE:	\$ 1,000,000.00

DIVISION 2 SITE WORK

- REMOVE EXISTING CONSTRUCTION AND PERFORM DEMOLITION WORK AS NECESSARY TO PREPARE THE SITE FOR THE NEW WORK AS FURTHER DESCRIBED IN THE CONTRACT DOCUMENTS.
- REMOVE ALL DEMOLISHED MATERIALS FROM SITE IMMEDIATELY.
- MAINTAIN EXIT AND ACCESS WAYS IN A CLEAN, UNOBSTRUCTED, AND PROPERLY ILLUMINATED MANNER AT ALL TIMES.
- PROTECT UNAFFECTED SPACES FROM DUST, NOISE AND DAMAGE. MAINTAIN SITE IN A CLOSED AND SECURE MANNER TO PREVENT THEFT, VANDALISM, AND UNAUTHORIZED ENTRY.

DIVISION 3 CONCRETE

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301), LATEST EDITION.
- ALL NORMAL WEIGHT CONCRETE (145 P.C.F.) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:
 - FOOTINGS 3500 PSI
 - FOUNDATION WALLS 3500 PSI
- CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED IN CONCRETE.
- ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE WITH SPECIFIED STRENGTH LESS THAN 6000 PSI SHALL BE AIR ENTRAINED 4% TO 6%.
- COLD WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-306, HOT WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-305.
- BEARING CAPACITY OF SOIL SHALL BE 3000 LB/SF.
- IN CASE OF OVEREXCAVATING FOR FOOTING, ALL EVEREXCAVATION UNDER FOOTING SHALL BE FILLED WITH CONCRETE.

DIVISION 4 MASONRY

- CLAY, BRICK, AND CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR ENGINEERED BRICK MASONRY" ISSUED BY THE BRICK INSTITUTE OF AMERICA AND "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASNRY" ISSUED BY THE NATIONAL CONCRETE MASONRY ASSOCIATION, LATEST EDITION.
- GIVEN DESIGN DATA ASSUMES THE EXISTENCE OF ADEQUATE FIELD SUPERVISION OF CONSTRUCTION, FULFILLING THE "WITH INSPECTION" CRITERIA OF THE CODES.
- MASONRY MATERIALS SHALL CONFORM TO THE LATEST EDITIONS OF HE FOLLOWING SPECIFICATIONS:
 - HOLLOW-LOAD BEARING UNITS, ASTM C90, COMPRESSIVE STRENGTH SHALL BE OVER 1,600 PSI ON AVERAGE NET AREA OF UNITS.
 - SOLID-LOAD BEARING UNITS, ASTM C145, COMPRESSIVE STRENGTH SHALL BE OVER 1,551 PSI ON AVERAGE GROSS AREA OF UNITS.
 - MORTAR, ASTM C270, TYPE "M" OR "S", ONLY. FOR REINFORCED MASONRY MORTAR SHALL BE ASTM C476, TYPE "S".
 - METAL WIRES USED AS TIES AND ANCHORS SHALL CONFORM TO ASTM A62, ONLY CORROSION-RESISTANT METALS OR METALS WITH SUCH COATING SHALL BE USED.
 - REINFORCEMENT, WHEN INDICATED SHALL BE ASTM A615, GRADE 60.
 - CONCRETE MASONRY STRENGTH 1in AT 28 DAYS SHALL BE 1,350 PSI MINIMUM.
 - CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE, SHALL NOT BE INCLUDED IN MORTAR OR GROUT MIX.
 - NO EXTERIOR MASONRY SHALL BE LAID WHEN THE OUTSIDE TEMPERATURE IS LESS THAN 40 DEGREES FARENHEIT UNLESS ADEQUATE PROTECTION, APPROVED BY THE ARCHITECT IS USED.

- MASONRY WALLS SHALL BE ADEQUATELY BRACED DURING ERECTION.
- TYPICAL JOINT REINFORCEMENT SHALL BE #9 GA., CONTINUOUS SIDE WIRES WITH #9 GA. CROSS TIES. SPACING 16" O.C. (VERTICALLY).

DIVISION 5 METALS

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE".
- STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS (UNLESS OTHERWISE NOTED):

STRUCTURAL SHAPES AND PLATES:	A36
STRUCTURAL TUBING:	A-500 GRADE B
- TYPICAL CONNECTIONS FOR STEEL BEAMS SHALL BE STANDARD AISC FRAMED BEAM CONNECTIONS, EXCEPT WHERE SHOWN WELDED. SHALL BE BOLTED WITH 3/4" DIA. HIGH STRENGTH BOLTS CONFORMING TO ASTM A-325-N, OR GREATER, UNLESS OTHERWISE NOTED. CONNECTIONS SHALL BE DESIGNED FOR 60% OF THE TOTAL ALLOWABLE UNIFORM LOAD DERIVED FROM THE AISC MANUAL'S TABLE OF "UNIFORM LOAD CONSTANTS" FOR NON-COMPOSITE BEAMS.
- ALL COPED BEAMS TO BE DESIGNED IN ACCORDANCE WITH APPENDIX "B" OF THE AISC MANUAL "ENGINEERING FOR STEEL CONSTRUCTION". PROVIDE REINFORCING AS REQUIRED. ALL RE-ENTRANT CORNERS TO BE SHAPED, NOTCH-FREE, TO A RADIUS OF AT LEAST 1/2".
- ALL WELDING ELECTRODES SHALL BE E-70XX. ALL SHOP AND FIELD WELDING SHALL BE MADE IN ACCORDANCE WITH A.I.W.S. D1.1-88 "CODE FOR WELDING IN BUILDING CONSTRUCTION", AND SHALL BE MADE BY QUALIFIED "CERTIFIED" WELDERS.
- ALL STRUCTURAL STEEL EXPOSED TO THE ELEMENTS SHALL RECEIVE ONE COAT OF APPROVED SHOP PAINT, IN ADDITION TO FIELD PAINT AS SPECIFIED IN THE ARCHITECTURAL SPECIFICATIONS.
- PROVIDE MINIMUM WELD SIZE PER AISC 1.17.2.

DIVISION 6 CARPENTRY

- FLEXURAL FRAMING MEMBERS SHALL BE AS FOLLOWS:
 - RAFTERS: SPRUCE-PINE-FIR #2
 - FLOOR JOISTS: SPRUCE-PINE-FIR #2
 - CEILING JOISTS: SPRUCE-PINE-FIR #2
- LAMINATED VENEER LUMBER ("MICROLAMBS") SHALL BE BY TRUSS JOISTS MACMILLAN OR ARCHITECT APPROVED EQUAL. MINIMUM STRUCTURAL REQUIREMENTS: Fb=2,600 psi, MODULUS OF ELASTICITY=1,900,000.
- PROVIDE 1" x 4" OR METAL CROSS BRIDGING NOT OVER 6' ON CENTER FOR ALL WOOD JOISTS.
- PROVIDE SOLID BLOCKING OF THE SAME DIMENSION AS THE JOISTS BETWEEN THE JOISTS AT ALL SUPPORTS.
- ALL PLYWOOD SHOWN FOR FLOOR/ROOF DECKS AND AS WALL SHEATHING SHALL BE OF THE THICKNESS SHOWN ON THE DRAWINGS AND SHALL MEET ALL THE REQUIREMENTS OF U.S. PRODUCT STANDARD PS 1, LATEST EDITION, FOR STRUCTURAL 1 GRADE MATERIAL.
- FOR HEADERS WITH SPANS IN EXCESS OF 6 FEET, MIN. END BEARING AT HEADERS SHALL BE 2-2x4 (JACKS) AND 1-2x4 FULL HEIGHT (KING) STUD.
- PROVIDE DOUBLE JOISTS UNDER ALL BEARING PARTITIONS.
- NOTCHING IS PERMITTED TO 1/6 JOISTS DEPTH, EXCEPT NOTCHING IS NOT PERMITTED @ MIDDLE 1/3 OF SPAN.
- HOLES MAY BE BORED THROUGH FRAMING NOT TO EXCEED 2" IN DIAMETER, OR BE CLOSER THAN 2" TO TOP OR BOTTOM OF MEMBER.
- WOOD SILL PLATES ON TOP OF FOUNDATION WALLS SHALL BE PRESSURE TREATED, ON A 1/2" FOAM SILL SEALER WITH CEDAR SHIMS @ 16" O.C. (MAXIMUM) AND ANCHORED WITH BOLTS AS SHOWN IN DRAWINGS.
- ALL BOTTOM PLATES OF BASEMENT PARTITIONS TO BE PRESSURE TREATED.
- ALL WALL PARTITIONS TO HAVE STUDS @ 16" O.C. MAXIMUM SPACING. DOUBLE TOP PLATES @ ALL EXTERIOR BEARING WALL WITH MINIMUM LAP OF 48".
- BALLOON FRAME WALLS @ VOLUME CEILINGS.
- ALL SUBFLOORS TO BE 3/4" TONGUE AND GROOVE PLYWOOD GLUED AND SCREWED @ 6" O.C. @ EDGES AND 12" O.C. @ FIELD.
- ALL EXTERIOR DECK FRAMING SHALL BE PRESSURE TREATED.
- ADHERE TO T.J.MACMILLIAN REQUIREMENTS FOR MINIMUM END BEARING @ LVL's.

DIVISION 7 INSULATION

- PROVIDE INSULATION IN ACCORDANCE WITH PLANS AND SPECIFICATIONS AND AS NEEDED TO ACHIEVE THE FOLLOWING VALUES FOR COMPLETED ASSEMBLIES ACCORDING TO 2018 IECC:
 - FENESTRATION: U-FACTOR = 0.30
 - SKYLIGHT: U-FACTOR = 0.55
 - CEILING: R-VALUE = 49
 - EXTERIOR FRAME WALL: R-VALUE = 20 or 13+5 (Cavity + Continuous)
 - MASS WALL: R-VALUE = 13/17
 - FLOOR: R-VALUE = 30
 - CRAWL SPACE WALL: R-VALUE = 15/19
- INSTALL INSULATION MATERIALS IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS. FILL CAVITIES COMPLETELY AND TAPE JOINTS BETWEEN BOARDS.
- FILL GAPS BETWEEN JAMBS AND FRAMING WITH NON-FORMALDEHYDE FOAM FILLER.
- INSULATE DUCTS AND PLUMBING PIPES SUBJECT TO SWEATING

DIVISION 8 WINDOWS & DOORS

INTERIOR DOORS

- PROVIDE BLOCKING @ HINGES AND JAMB REINFORCING AS RECOMMENDED BY DOOR FRAME MANUFACTURER.
- BI-FOLD DOORS SHALL BE IN ALIGNMENT WITH ONE ANOTHER AND PARALLEL TO THE TRACK WHEN CLOSED. PROVIDE SPACERS AS REQUIRED. BI-FOLD DOORS SHALL BE 1 3/8", 2 PANEL FOR PAINT WITH HEAVY-DUTY TRACK. TRACK TO BE CONCEALED BY 1/4 ROUND WOOD TRIM. BI-FOLD DOOR JAMBS TO BE TRIMMED OUT WITH 1x POPLAR JAMBS AND DOOR CASING AS NOTED ABOVE.
- ALL INTERIOR SWING DOORS SHALL BE 1-3/4" SOLID CORE, 2-PANEL DOORS FOR PAINT FINISH.
- INTERIOR DOORS SHALL BE TRIMMED WITH 1x POPLAR JAMBS AND DOOR CASING AND PLINTH BLOCKS AS SPECIFIED ABOVE.
- PROVIDE THRESHOLDS FOR EXTERIOR DOOR, NEOPRENE WEATHER STRIPPING, TYPICAL AT HEADS, JAMBS AND SILLS.

DOOR HARDWARE

- PROVIDE HARDWARE COMPATIBLE WITH DOOR THICKNESS, WEIGHT AND MATERIAL.
- ALL DOORS SHALL HAVE 1-1/2" PAIR HINGES FOR SIZES UP TO 3'x7".
- LATCH BOLTS SHALL HAVE 5/8" TTHROW AT ALL LATCH SETS AND LOCKSETS.
- EXTERIOR DOOR HARDWARE SHALL BE LEVER TYPE, STANDARD GRADE, CYLINDER LATCH BY BALDWIN (OR OWNER APPROVED EQUAL).
- INTERIOR DOOR HARDWARE SHALL BE LEVER TYPE, RESIDENTIAL GRADE, CYLINDER LATCH BY SCHLAGE (OR EQUAL).

DIVISION 9 FINISHES

FINISHES GENERAL NOTES

- ALL FINISHES SHALL BE CLASS 1, 0-25 FLAME SPREAD RATING.
- CLEAN AND PREPARE PRIME SURFACES IN COMPLIANCE WITH THE FINISH MATERIAL'S MANUFACTURER'S INSTRUCTIONS.
- PROVIDE A MINIMUM OF ONE PRIME COAT AND ONE FINISH COAT FOR ALL PAINTED SURFACES.
- DO NOT PAINT OVER LABELS, FACTORY FINISH METAL TRIM, DOOR HARDWARE, ELECTRICAL FIXTURES, EQUIPMENT, SPRINKLER HEADS, OR MILLWORK ASSEMBLIES.
- PROVIDE TOUCH-UP PAINTING TO MATCH EXISTING PAINT COLORS AND TEXTURES WHERE INFILL OR PATCH AND REPAIR WORK IS REQUIRED AT EXISTING CONSTRUCTION.
- ALL DRYWALL SURFACES SHALL BE PAINTED EXCEPT WHERE CERAMIC TILE IS SPECIFIED.
- PROVIDE CORNER AND J-BEADS AT ALL TERMINATIONS AND CORNERS OF GYPSUM BOARD.
- ALL DIMENSIONS TO FACE OF DRYWALL.
- GENERAL CONTRACTOR SHALL COORDINATE STAIR CONSTRUCTION WITH FINAL FLOOR FINISH SELECTIONS TO OBTAIN PROPER HEIGHTS.
- PROVIDE CEMENTITIOUS BACKER BOARD AT ALL TILE LOCATIONS AND WET SURFACES.
- PROVIDE THRESHOLDS AS REQUIRED OR AS NOTED AT ALL FLOOR MATERIAL TRANSITIONS. PROVIDE BLOCKING AS REQUIRED BY DRAWINGS. COORDINATE WITH OTHER TRADES FOR SIZE AND LOCATION.

GYPSUM BOARD

- PROVIDE ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH ALL CODE AND GOVERNING ORDINANCES.
- ALL DRYWALL SHALL BE MINIMUM 5/8" THICK UNO.
- COMPLY WITH THE RECOMMENDATIONS OF THE GYPSUM CONSTRUCTION HANDBOOK PUBLISHED BY THE USG CORPORATION, LATEST EDITION, FOR METHODS AND INSTALLATION OF METAL FRAMING AND GYPSUM DRYWALL SYSTEMS
- PROVIDE METAL CORNER REINFORCEMENT TRIM AT ALL OUTSIDE CORNER CONDITIONS. TRIM SHALL BE USG-DUR-A-BED OR EQUAL.
- PROVIDE CONTINUOUS BED OF SOUND SEALANT AT TOP AND BOTTOM OF ALL SOUND RATED INSULATED PARTITIONS AND AT PARTITION PENETRATIONS, INCLUDING ELECTRICAL OPENINGS.
- COORDINATE WITH OTHER TRADES FOR INSTALLATION OF WOOD BLOCKING.
- PROVIDE GYPSUM BOARD EDGE TRIM, USG-801-A AT EXPOSED EDGES OF ALL NON-FULL HEIGHT GYPSUM DRYWALL PARTITIONS EXCEPT WHERE TOP OF WALL HAS DRYWALL FINISH.
- FINISH DRYWALL JOINTS AND CONCEAL ALL FASTENERS USING USG "PERF-A-TAPE" SYSTEM OR EQUAL. APPLY FINISHING COMPOUND, SAND AND REPEAT AS NEEDED TO COMPLETELY CONCEAL ALL JOINTS AND FASTENERS.
- PROVIDE ADDITIONAL SUPPORTS, BRACKETS, TIES, AND FRAMING AS RECOMMENDED OR REQUIRED FOR PROPER INSTALLATION AND RIGID ASSEMBLY.
- CLEAN ALL SURFACES AND LEAVE READY FOR PAINT. REMOVE ALL EXCESS MATERIALS AND DEBRIS FROM SITE.
- ALL DRYWALL USED ON WALLS IN THE TOILET ROOMS SHALL BE WATER RESISTANT RATED.
- DRYWALL SUPPORT SYSTEMS AND FRAMING SHALL BE OF SUFFICIENT CAPACITY AND RIGIDITY TO SUPPORT THE ASSEMBLY WITH A MAXIMUM DEFLEXION OF L/240 WHERE 'L' REPRESENTS THE LENGTH OF THE SPAN. DEFLECTION LIMIT INCLUDES LIVE LOADS AND DEAD LOADS SIMULTANEOUSLY IMPOSED.

PAINTING

- PREPARE SUBSTRATES AS REQUIRED TO RECEIVE PAINT. PATCH ALL NAIL HOLES, REPAIR DEFECTS.
- PRIME ALL EXPOSED GYPSUM BOARD SURFACES. SPRAYED SURFACES SHALL BE ROLLED OUT WITH A MEDIUM NAP ROLLER.
- INTERIOR MILLWORK TO BE FOR PAINT SHALL BE PRIMED WITH OIL BASED PRIMER. FINISH PAINT SHALL BE TWO COATS HIGH GLOSS ALKYD ENAMEL (SAND BETWEEN COATINGS).
- CEILINGS (SLOPED & FLAT) SHALL BE PAINTED WITH TWO COATS CEILING FLAT LATEX PAINT-WHITE.
- WALLS SHALL BE PAINTED WITH TWO COATS EG SHELL ENAMEL.

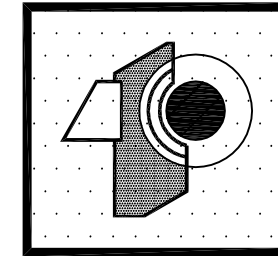
CERAMIC TILE

CERAMIC TILE FOR FLOORS SHALL BE 12" x 12" x 3/8" FLOOR TILE UNLESS OTHERWISE NOTED. ORDER SELECTION SHALL PREVAIL. INSPECT SUBSTRATE PRIOR TO INSTALLATION REPAIR ANY AND ALL DEFECTS. LEVEL NEW CONCRETE SLAB WITH APPROPRIATE LEVELING MATERIAL. SET TILES WITH LATEX THINSET BEDDING COMPOUND. WALL TILES SHALL BE INSTALLED ONLY ON CEMENTITIOUS BACKER BOARD UNITS (durock) THAT IS LEVEL AND FREE OF DEBRIS, WITH APPROPRIATE LATEX THINSET SETTING MATERIAL. GROUT SHALL BE UNSANDED TYPE FOR GROUT JOINTS LESS THAN 1/8" AND SANDED FOR JOINTS 1/8" AND LARGER. LAYOUT TILE SUCH THAT TILE IS NOT LESS THAN 1/2 THE WIDTH OF THE TILE.

REVISIONS	NO.	DATE	DESCRIPTION
	BY:	07/16/2023	Review
	RT	07/16/2023	Permit
	RT		

Convert 2-Unit to Single Family Residence, Interior Rehab & New 2-Story Frame Addition including New Partitions, New Electrical, Mechanical & Plumbing Systems, New Roof System & New Rear Deck & Balcony per Plans.
 223 Center Street, Naperville Illinois 60540

R.T. ARCHITECT INC.



RADULE TEPAVCEVIC
 7501 BROWN AVE., SUITE A
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 TEL: (312) 217-8653
 rtepavcevic@aol.com

PROJECT ARCHITECT:
RT

DRAFTPERSON:
CS

APPROVED:
RT

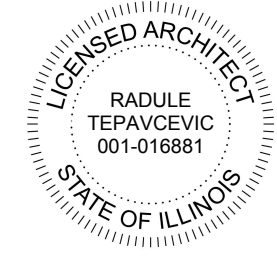
PREPARED FOR:
OWNER

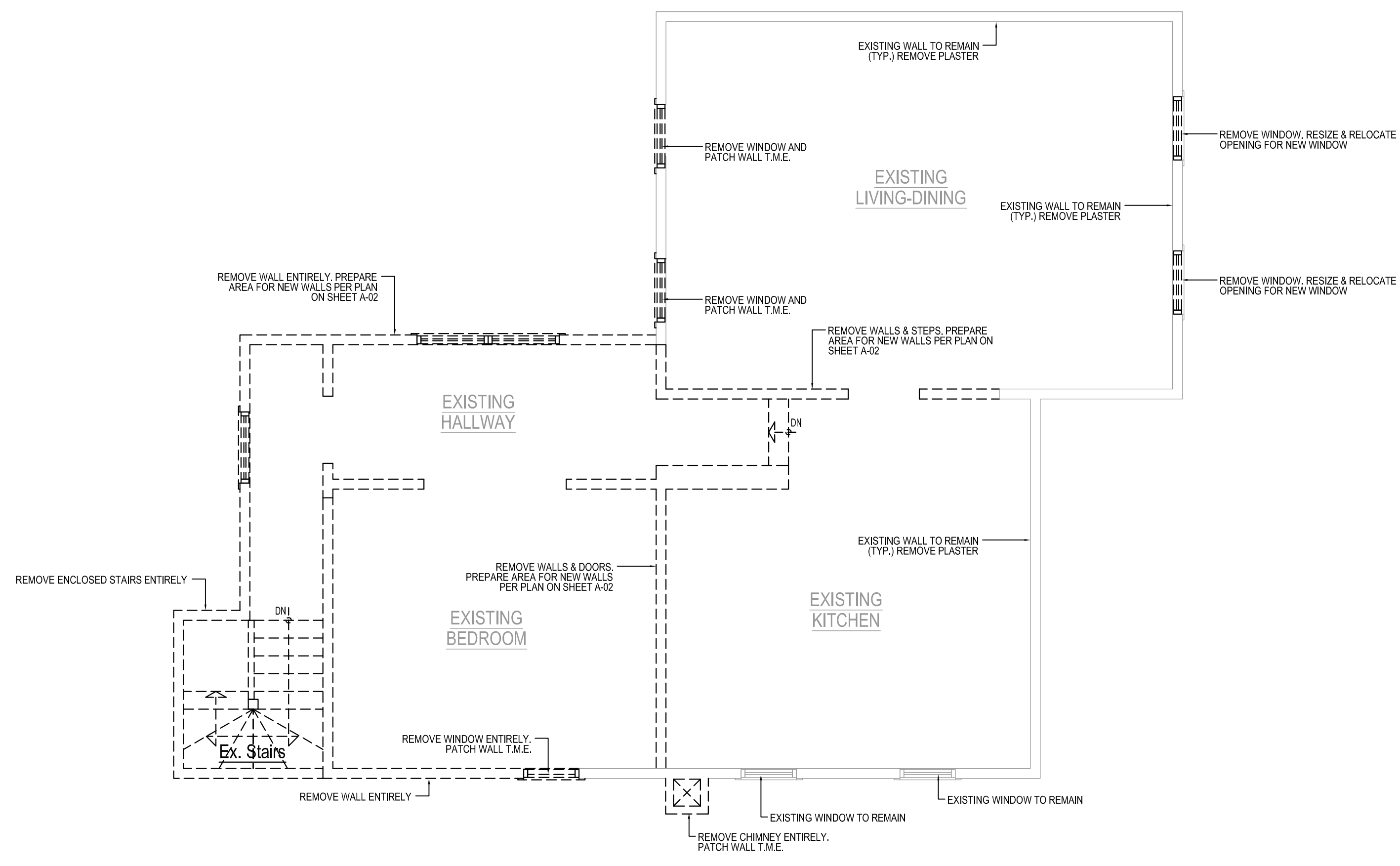
LOCATION:
223 Center Street
Naperville, IL 60540

JOB NUMBER:
223CS-07042023

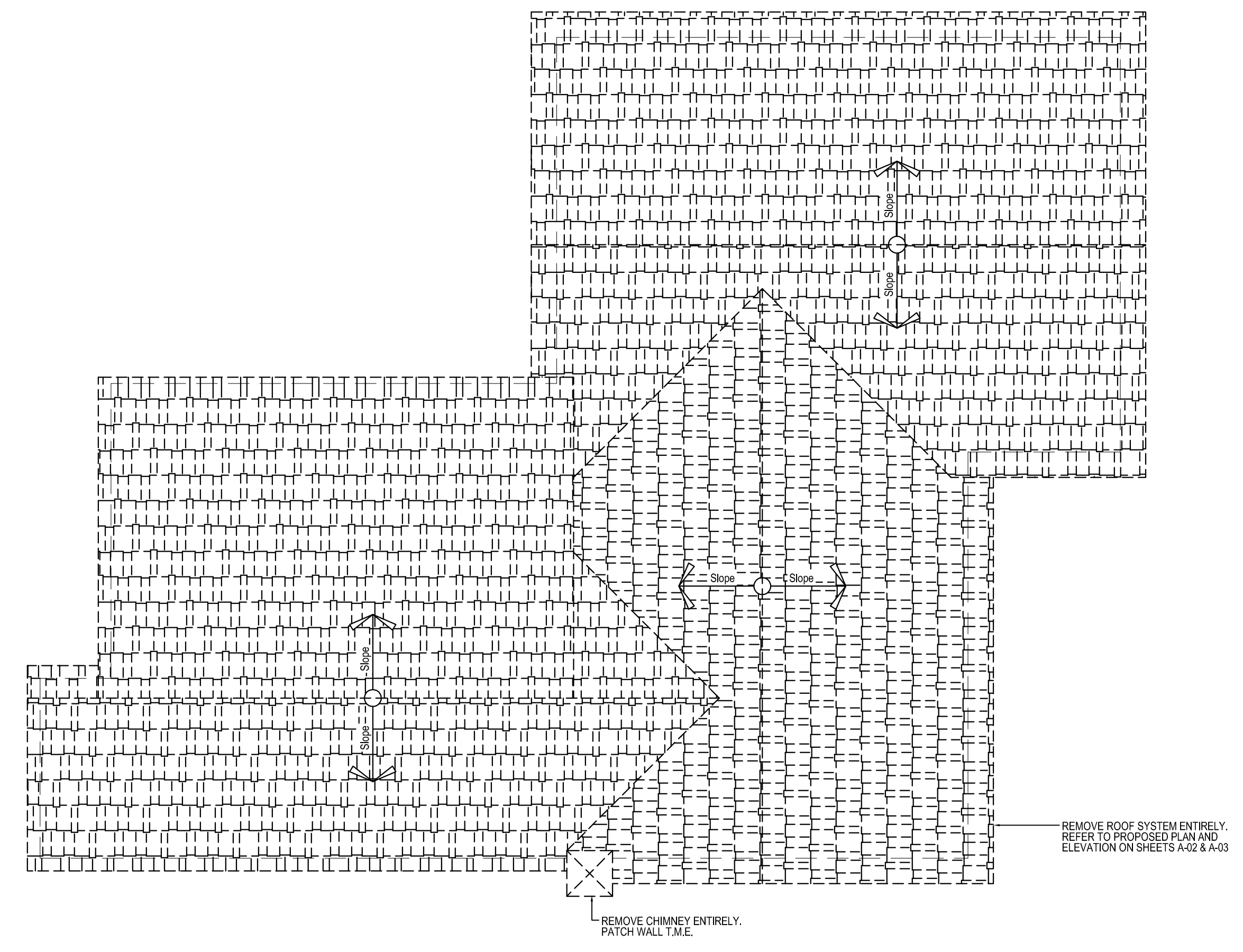
SHEET No.: **G-02**

SHEET Name:
Specifications

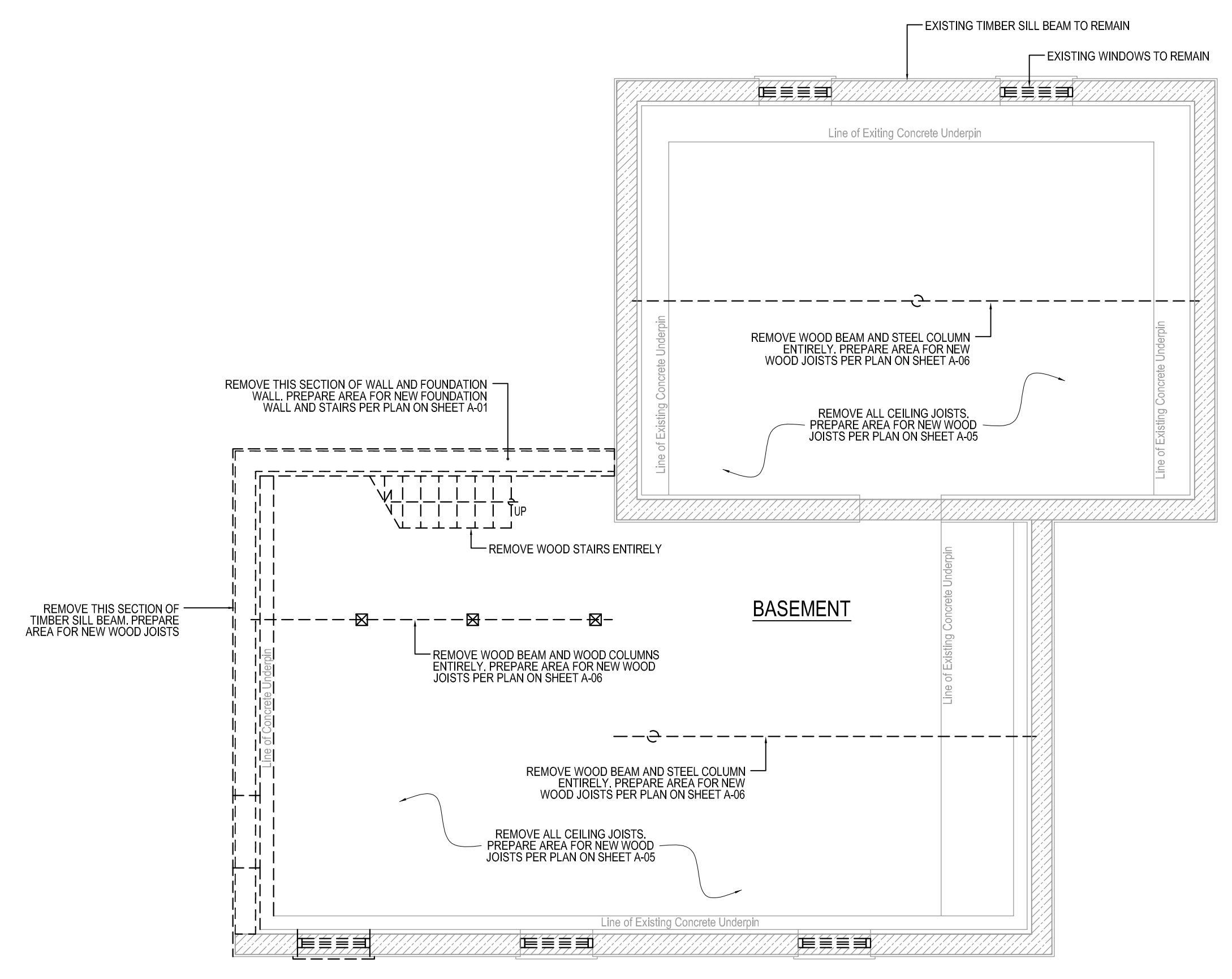




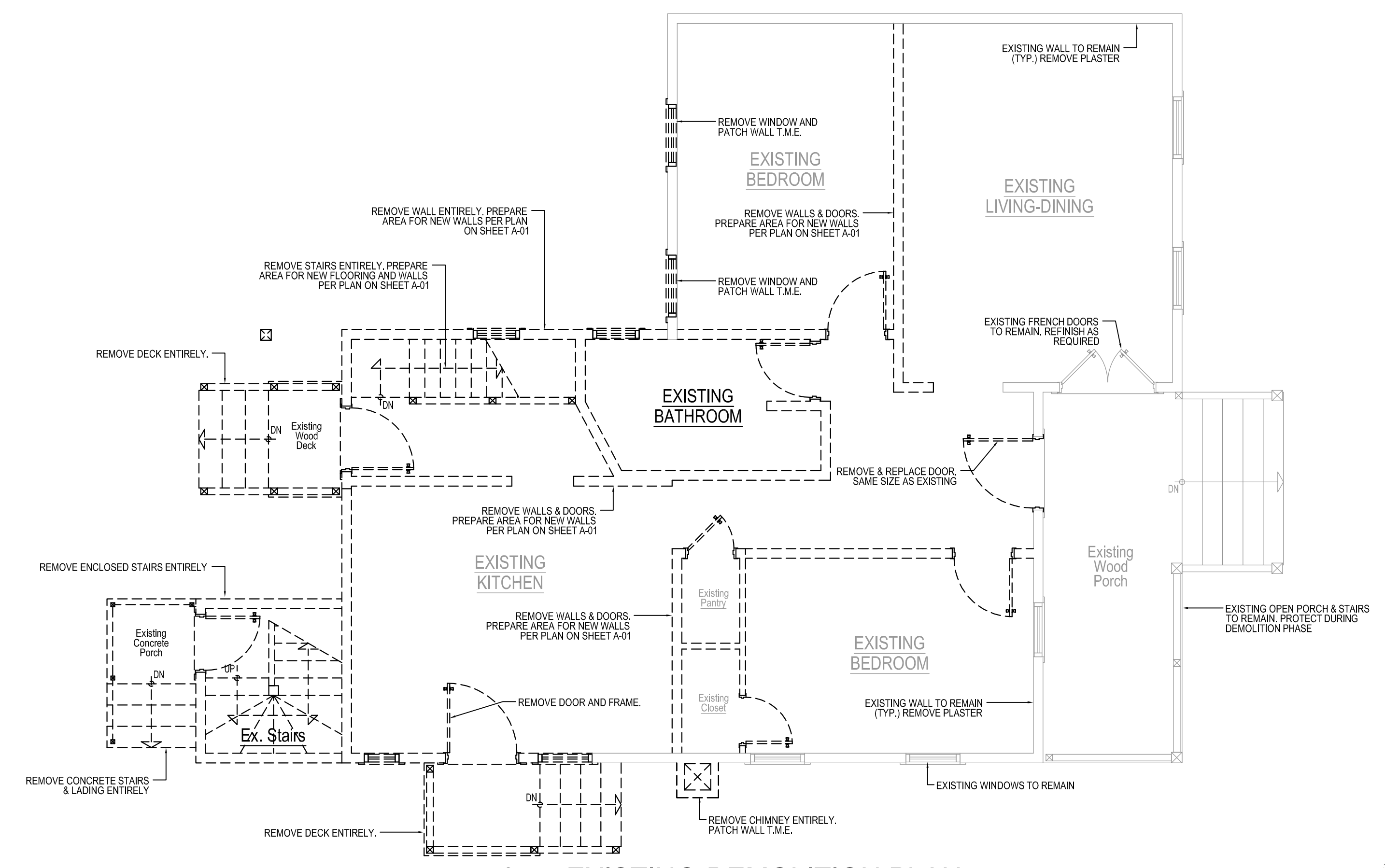
3 EXISTING-DEMOLITION PLAN SECOND FLOOR
SCALE 1/4"=1'-0"



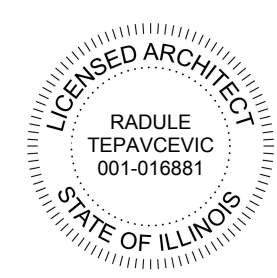
4 DEMOLITION PLAN ROOF
SCALE 1/4"=1'-0"



1 EXISTING-DEMOLITION PLAN BASEMENT
SCALE 1/4"=1'-0"



2 EXISTING-DEMOLITION PLAN FIRST FLOOR
SCALE 1/4"=1'-0"



NO.	BY	DATE	DESCRIPTION
	RT	07/14/2023	Rehab
	RT	07/14/2023	Permit

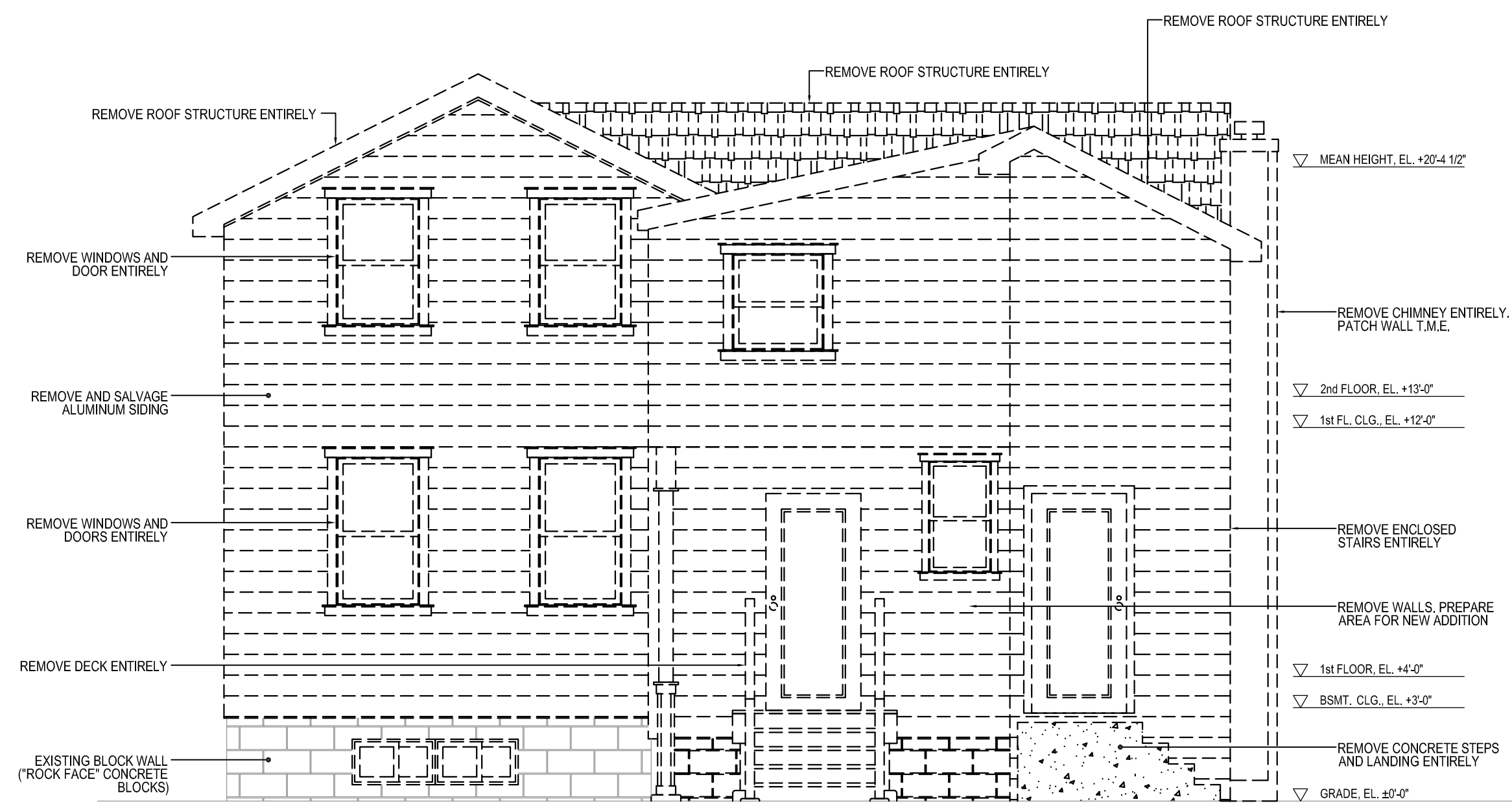
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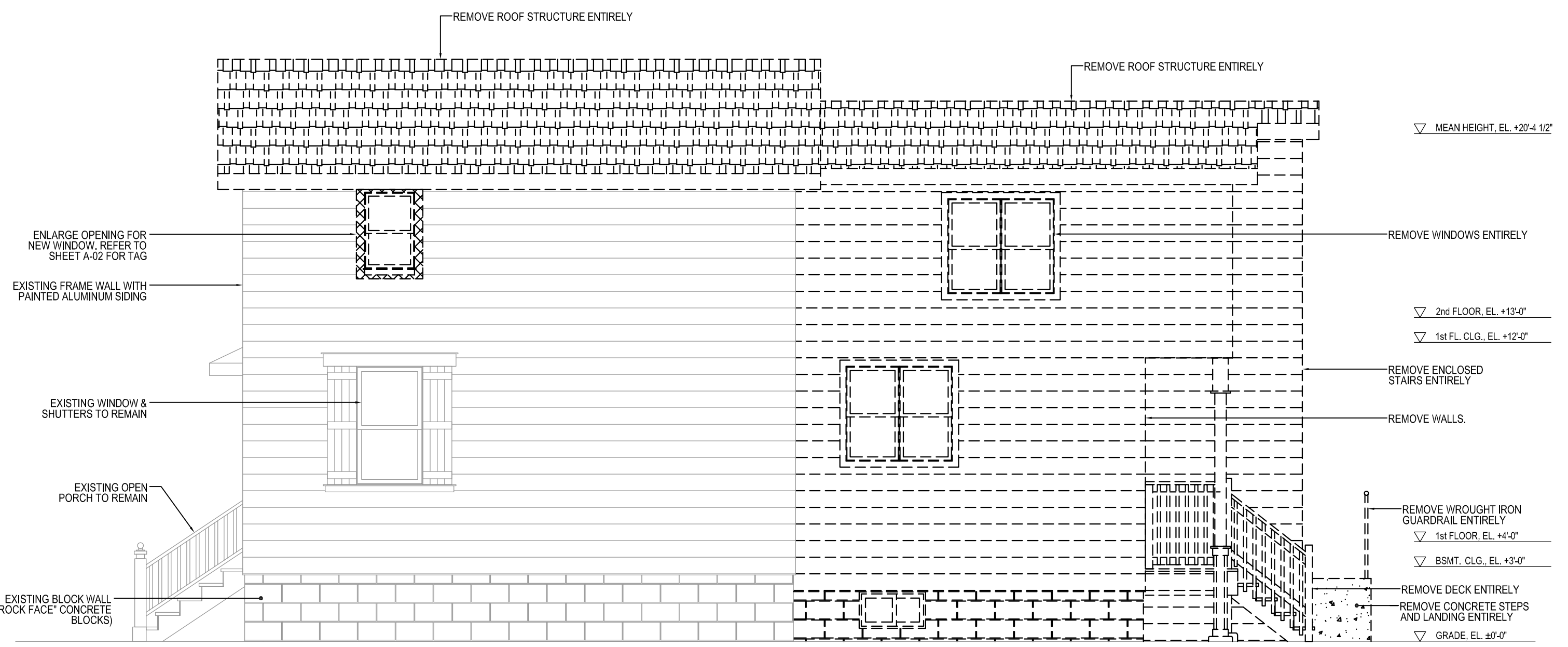
 RADULE TEPAVCEVIC
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 rtepa@rtai.com

PROJECT ARCHITECT:
RT
 DRAFTPERSON:
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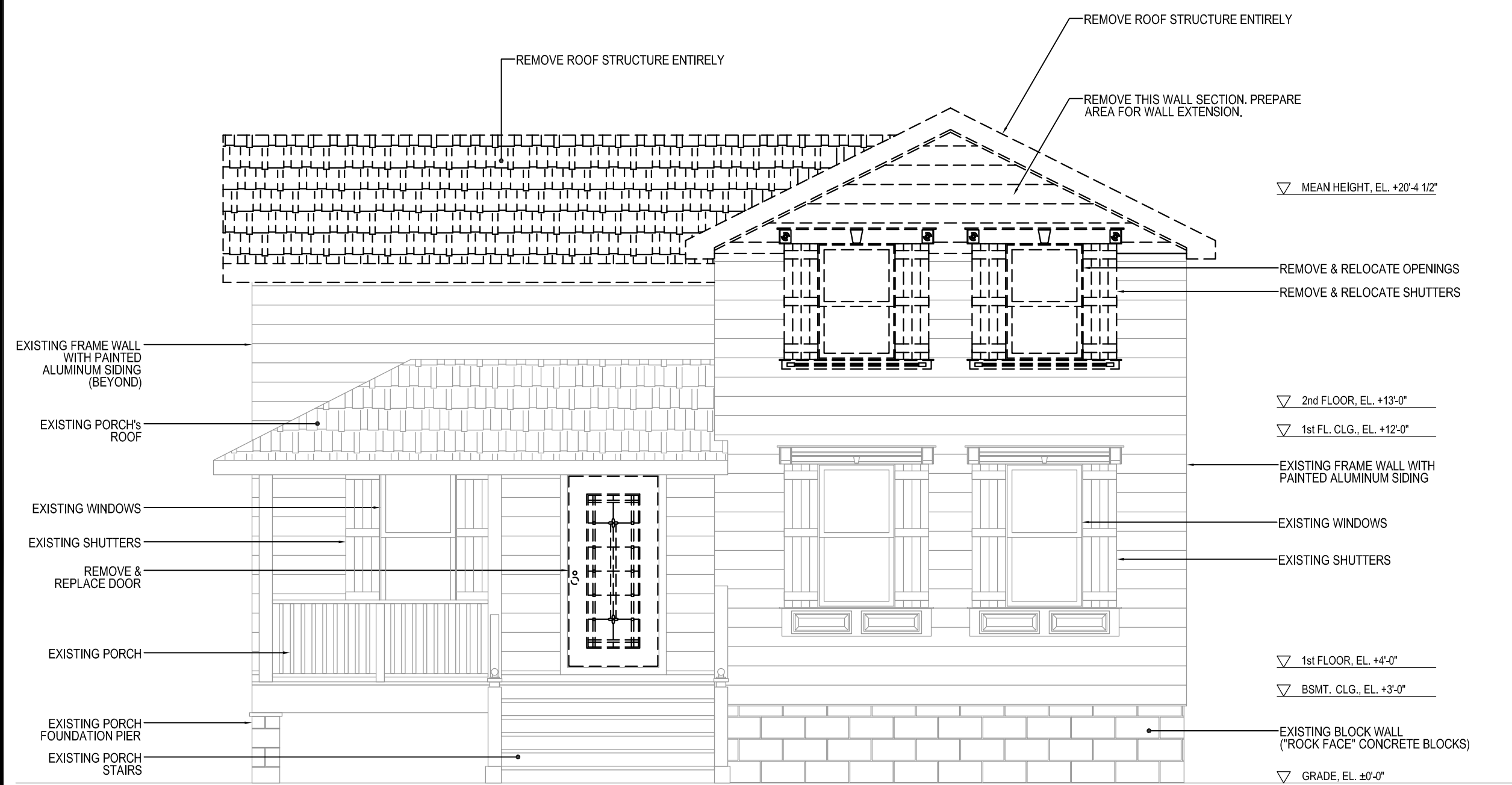
SHEET No: **AD-01**
 SHEET Name:
Existing-Demolition
Floor Plans



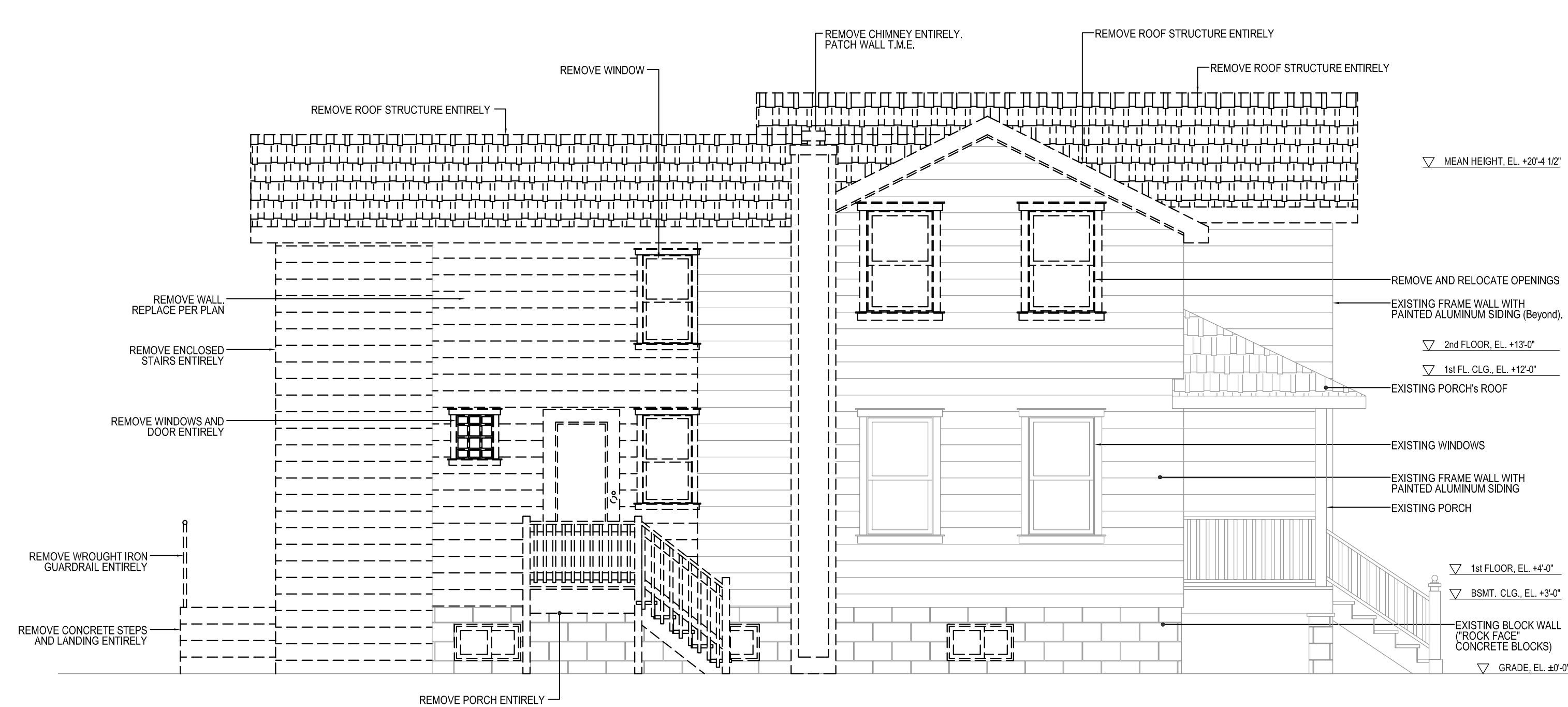
3 EXISTING-DEMOLITION WEST ELEVATION
(REAR ELEVATION) SCALE 1/4"=1'-0"



4 EXISTING-DEMOLITION NORTH ELEVATION
SCALE 1/4"=1'-0"



1 EXISTING-DEMOLITION EAST ELEVATION
(FRONT ELEVATION) SCALE 1/4"=1'-0"



2 EXISTING-DEMOLITION SOUTH ELEVATION
SCALE 1/4"=1'-0"

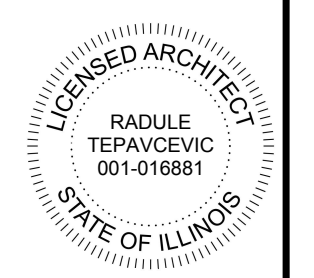
REVISIONS		DATE	DESCRIPTION
NO.	BY	07/16/2023	Review
	RT	07/16/2023	Permit

Convert 2-Unit to Single Family Residence, Interior Rehab & New 2-Story Frame Addition including New Partitions, New Electrical, Mechanical & Plumbing Systems, New Roof System & New Rear Deck & Balcony per Plans.
223 Center Street, Naperville Illinois 60540

R.T. ARCHITECT INC.

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PROJECT ARCHITECT:
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DRAFTPERSON:
CS
APPROVED:
RT
PREPARED FOR:
OWNER
LOCATION:
223 Center Street
Naperville, IL 60540
JOB NUMBER:
223CS-07042023



SHEET No: **AD-02**
SHEET Name:
Existing-Demolition Elevations

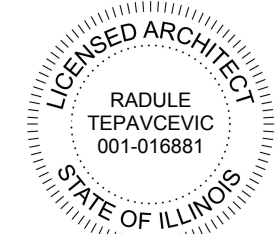
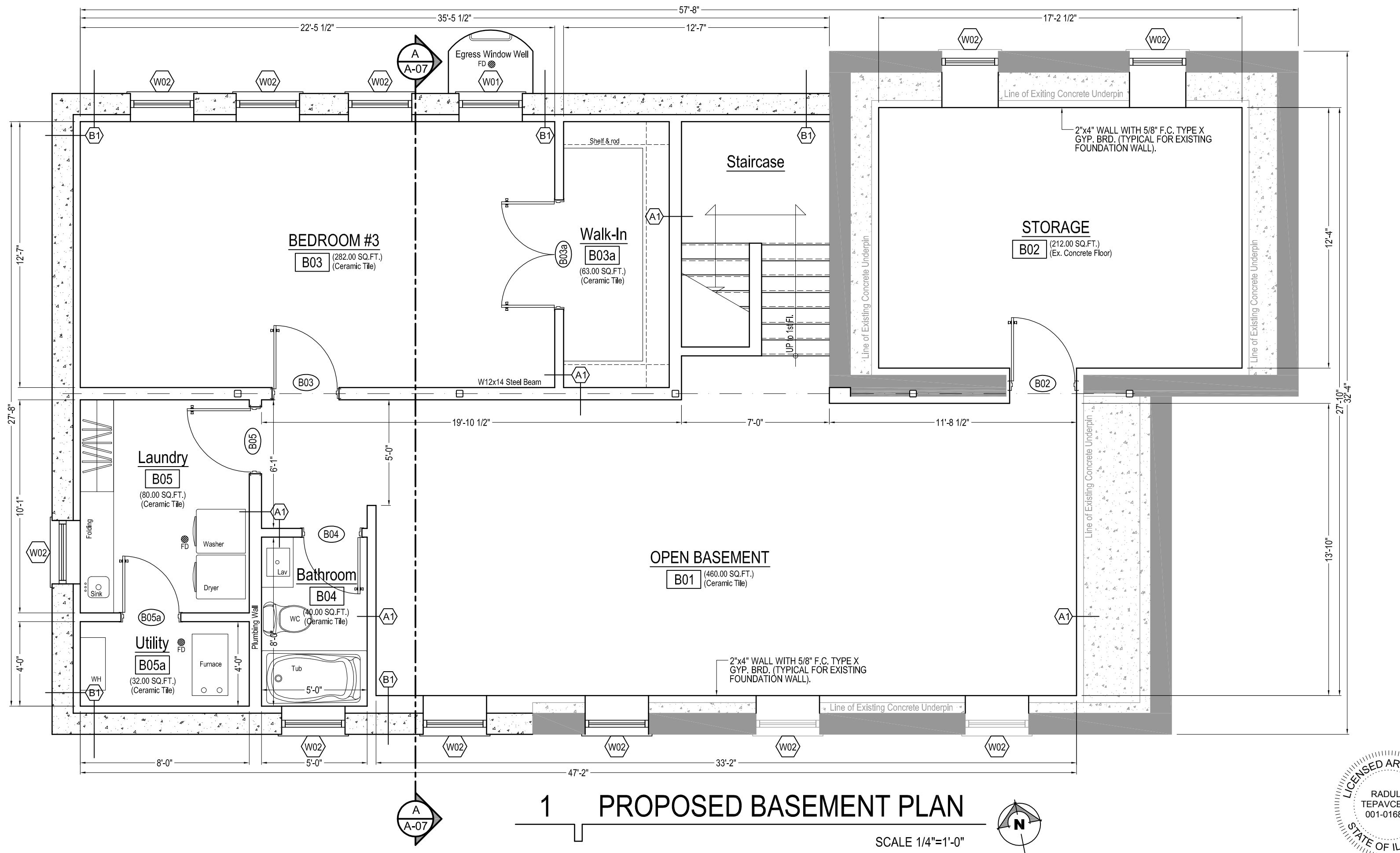
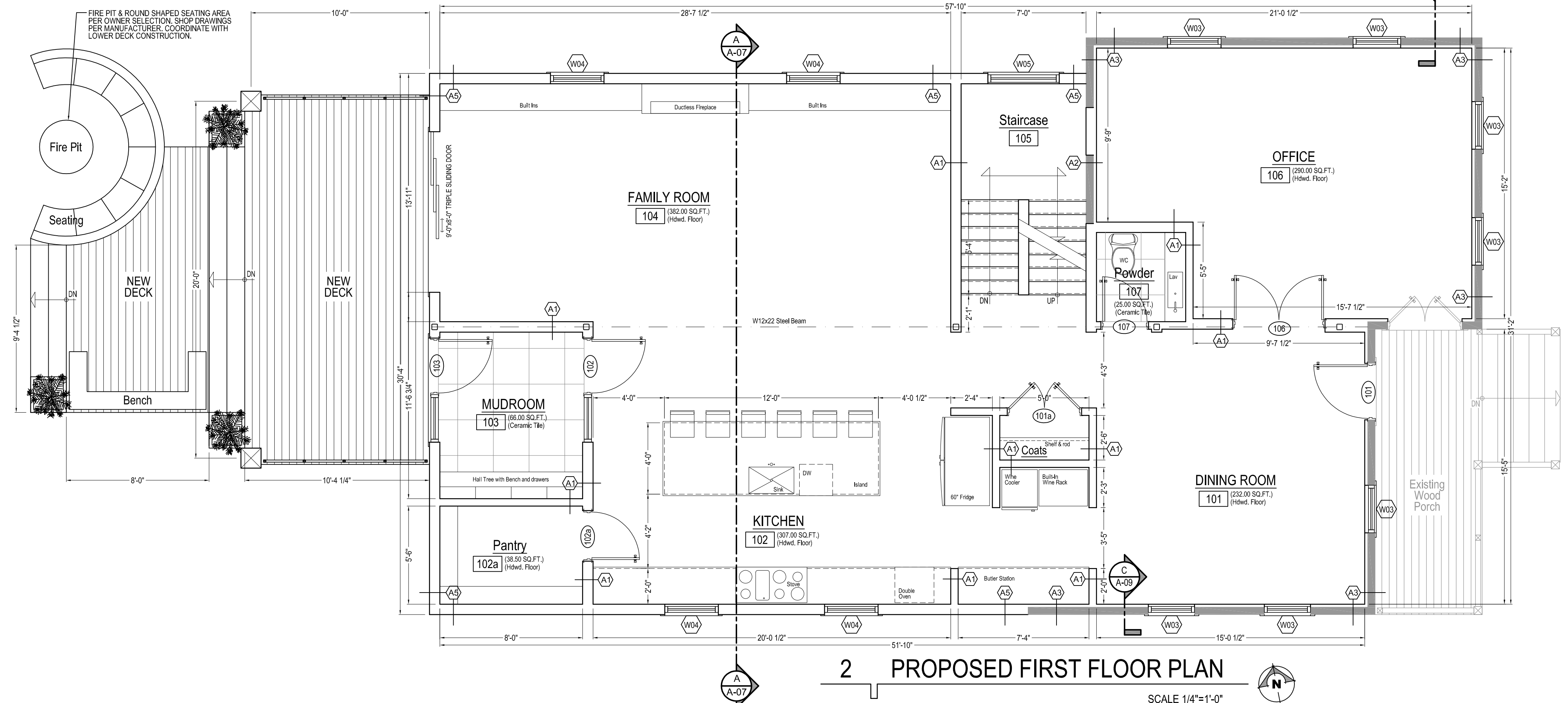
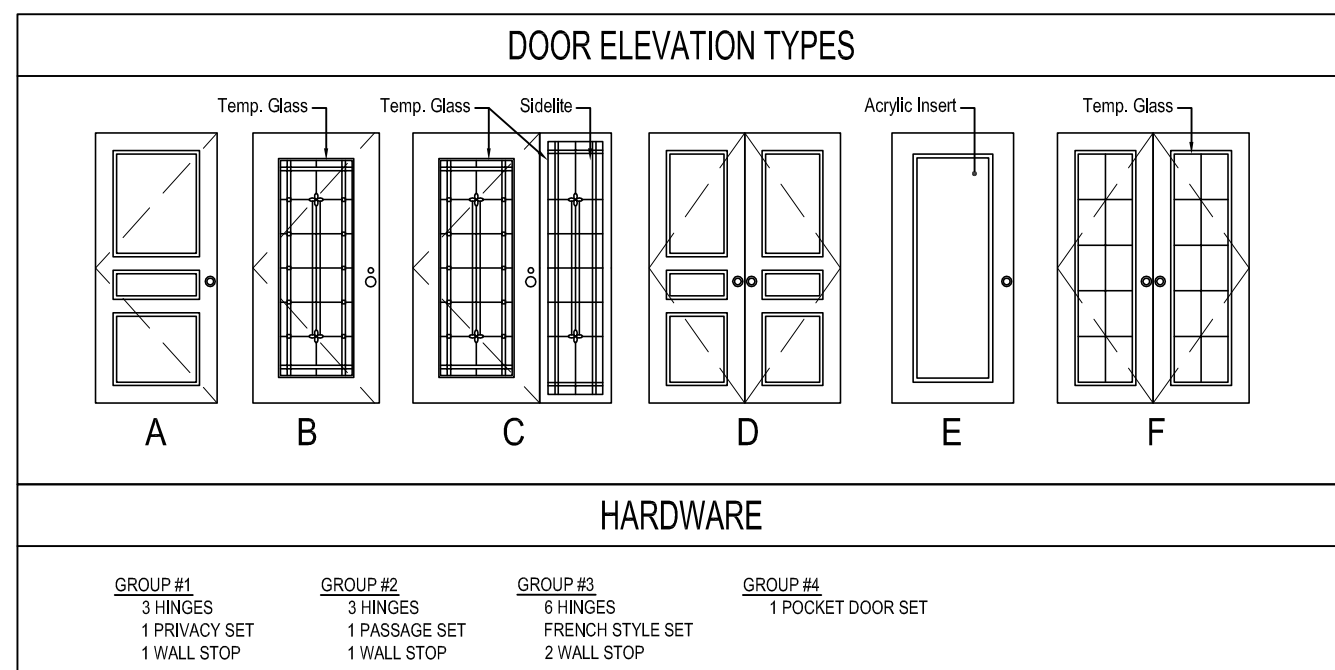
NEW WINDOW SCHEDULE						
TAG No.	NET SIZE	NET GLASS (Sq.Ft.)	NET VENT (Sq.Ft.)	TYPE	FRAME MATERIAL	REMARKS
W01	3'-2"x5'-2"	12.33	12.33	ESCAPE WINDOW	VNVL	NEW WINDOW, THERMOPLANE, LOW-E GLAZING
W02	2'-4"x2'-4"	6.12	6.12	AWNING	VNVL	NEW WINDOW, THERMOPLANE, LOW-E GLAZING
W03	2'-4"x2'-4"	11.66	5.83	DOUBLE-HUNG	VNVL	NEW WINDOW, THERMOPLANE, LOW-E GLAZING
W04	3'-4"x2'-4"	13.20	6.60	DOUBLE-HUNG	VNVL	NEW WINDOW, THERMOPLANE, LOW-E GLAZING
W05	4'-0"x15'-0"	50.34	0.00	FIXED	VNVL	NEW WINDOW, THERMOPLANE, LOW-E GLAZING

ROOM FINISH SCHEDULE										
ROOM No.	ROOM NAME	FLOOR	BASE	W A L L S				CEILING		REMARKS
				N	E	S	W	CEILING HEIGHT	FINISH	
B01	BASEMENT	VP	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	8'-0"	
B02	STORAGE	VP	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	8'-0"	
B03	BEDROOM #3	VP	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	8'-0"	
B03a	WALK-IN-CLOSET	VP	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	8'-0"	
B04	BATHROOM	VP	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	8'-0"	CT AT TUB WALLS
B05	LAUNDRY	VP	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	8'-0"	
B05a	UTILITY	VP	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	8'-0"	
101	DINING ROOM	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
102	KITCHEN	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	CT AT KITCHEN BACK-SPLASH
102a	PANTRY	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
103	MUDROOM	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
104	FAMILY ROOM	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
105	STAIRCASE	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
106	OFFICE	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
107	POWDER ROOM	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
201	HALLWAY	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
202	GUEST BEDROOM	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
202a	BATHROOM	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	CT AT TUB WALLS
202b	CLOSET	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
203	BEDROOM #1	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
203a	CLOSET	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
204	BATHROOM	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	CT AT SHOWER WALLS
205	BEDROOM #2	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
206	MASTER BEDROOM	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
206a	WALK-IN-CLOSET	HWD	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
206b	MASTER BATHROOM	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	CT AT SHOWER WALLS
207	LAUNDRY	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	
207a	UTILITY ROOM	CT	WD	DW/PT	DW/PT	DW/PT	DW/PT	DW/PT	10'-0"	

FINISHES NOTES:
 1. PROVIDE WATER AND WEAR RESISTANT GYPSUM BOARD AT NET AREAS.
 2. COLOR & TEXTURE OF FINISHES TO BE SELECTED BY OWNER.
 3. ALL FINISHES ARE NEW UNLESS NOTED OTHERWISE.

FINISHES ABBREVIATIONS:
 CT = CONCRETE
 HD = HARDWOOD
 HW = HARDWOOD
 CC = CONCRETE
 VNVL = VINYL
 W = WOOD
 PT = PAINT
 DW = DRYWALL
 NR = NO IMPROVEMENT

NEW DOOR AND FRAME SCHEDULE												
DOOR No.	TYPE	SIZE	THICK	MATERIAL	FINISH	GLAZING	CORE	FRAME		FIRE RATING	HARDWARE SET	REMARKS
								TYPE	MATERIAL			
B02	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 STORAGE
B03	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BEDROOM
B03a	D	8'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #3 DOUBLE DOOR
B04	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BATHROOM
B05	E	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 ACRYLIC INSERT
B05a	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 24"x8" BOTTOM LOUVER
101	B	3'-2"x6'-2"	1-3/8"	WD	PTD	TEMP	SC	PH	WD	PTD	NR	GROUP #1 ENTRY
102	C	3'-2"x6'-2"	1-3/8"	WD	PTD	TEMP	SC	PH	WD	PTD	NR	GROUP #1 ENTRY
102a	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 ACRYLIC INSERT
103	C	3'-2"x6'-2"	1-3/8"	WD	PTD	TEMP	SC	PH	WD	PTD	NR	GROUP #1 ENTRY
106	F	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #3 FRENCH STYLE
107	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 POWDER ROOM
202	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BEDROOM
202a	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BATHROOM
202b	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 CLOSET
203	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BEDROOM
203a	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 CLOSET
204	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BATHROOM
204a	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BATHROOM
205	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BEDROOM
205a	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 CLOSET
206	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BEDROOM
206a	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #4 POCKET DOOR
206b	A	3'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #1 BATHROOM
207	D	5'-2"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #3 DOUBLE DOOR
207a	A	2'-4"x6'-2"	1-3/8"	WD	PTD	---	SC	PH	WD	PTD	NR	GROUP #2 24"x8" BOTTOM LOUVER



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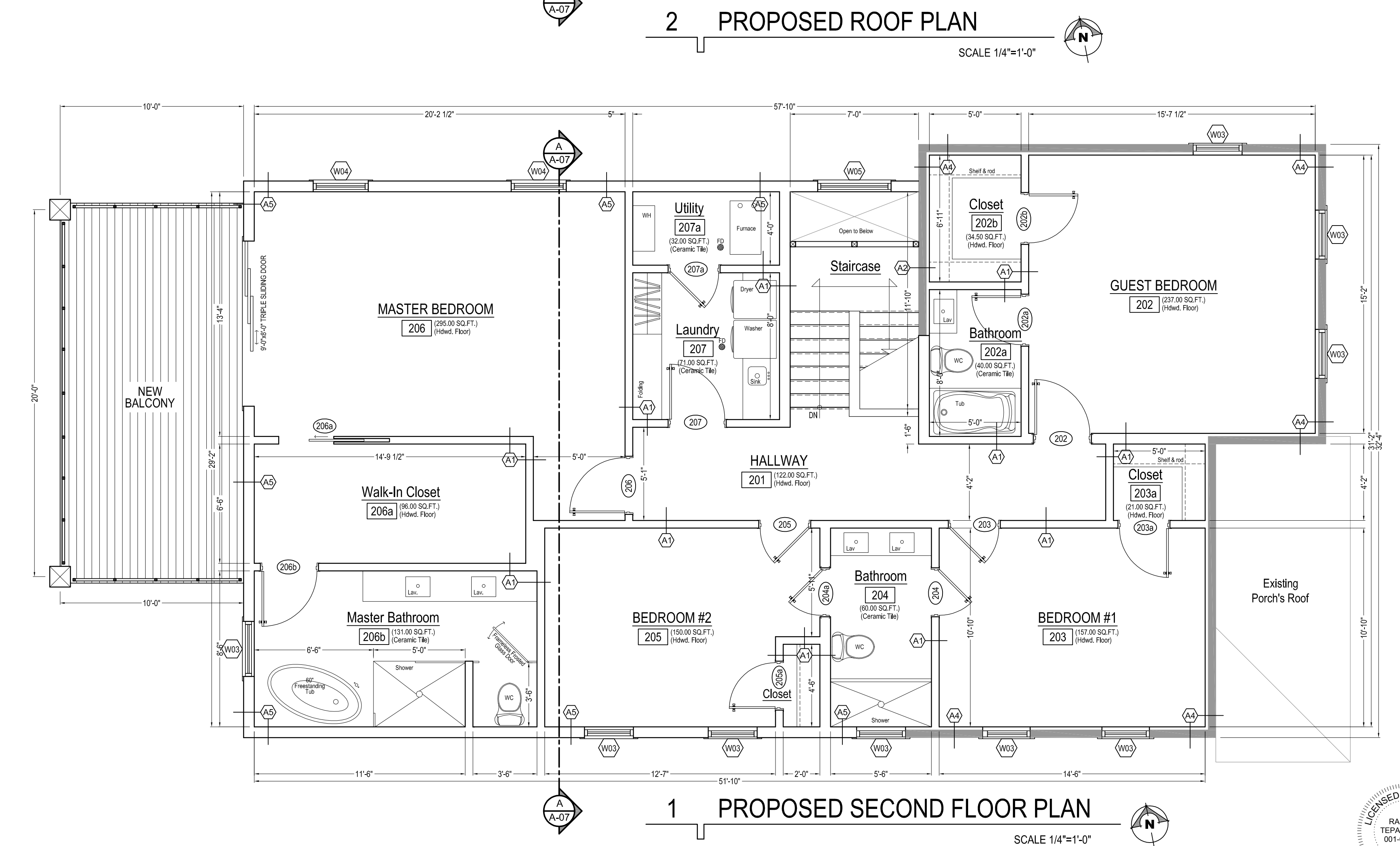
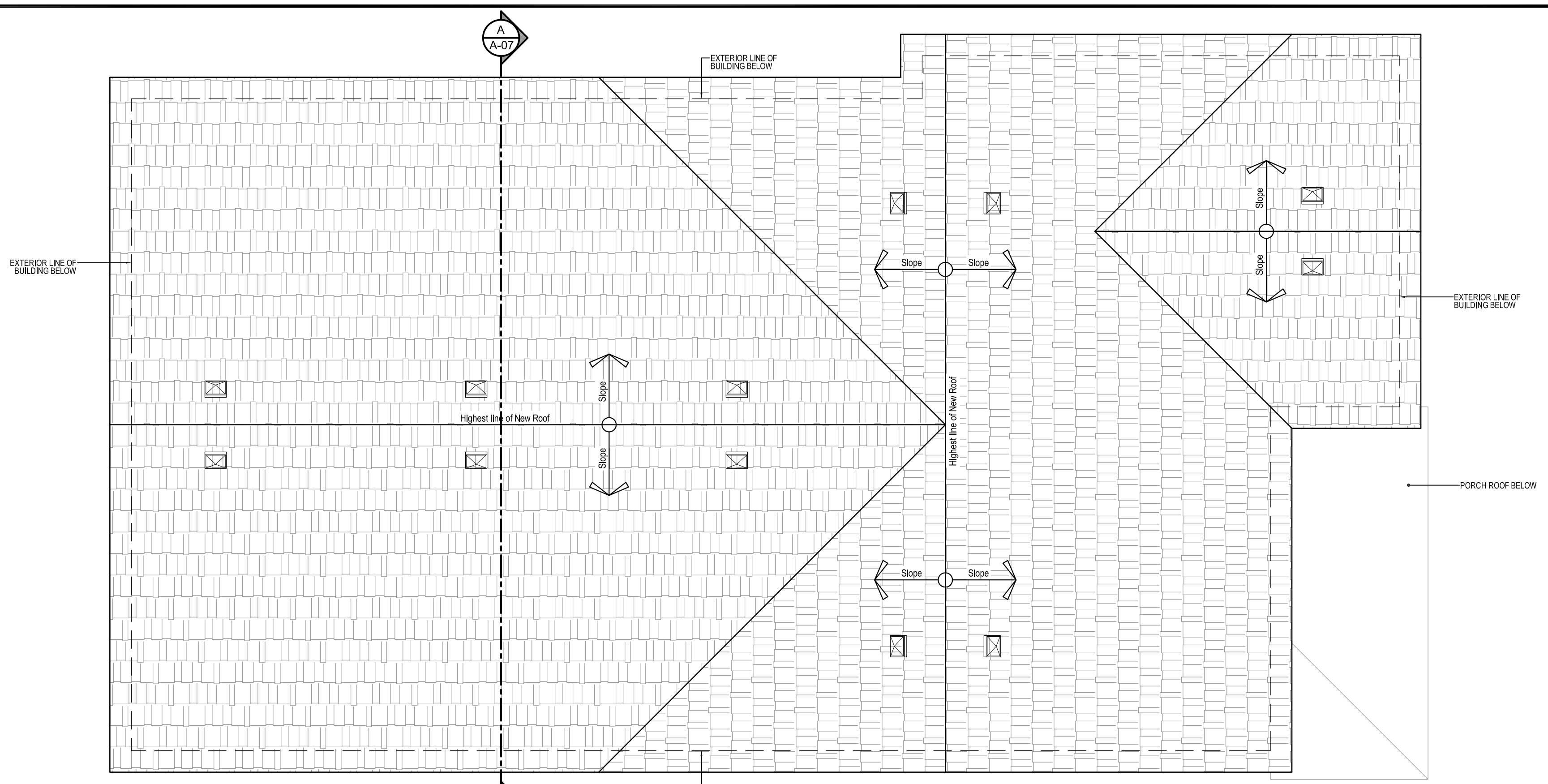
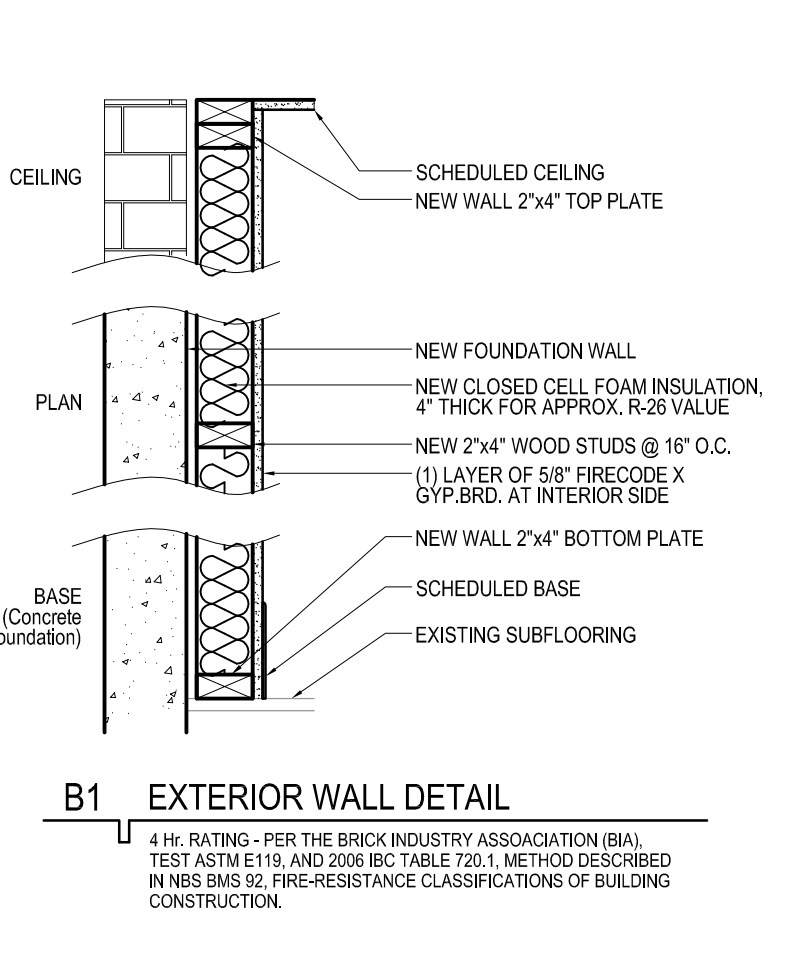
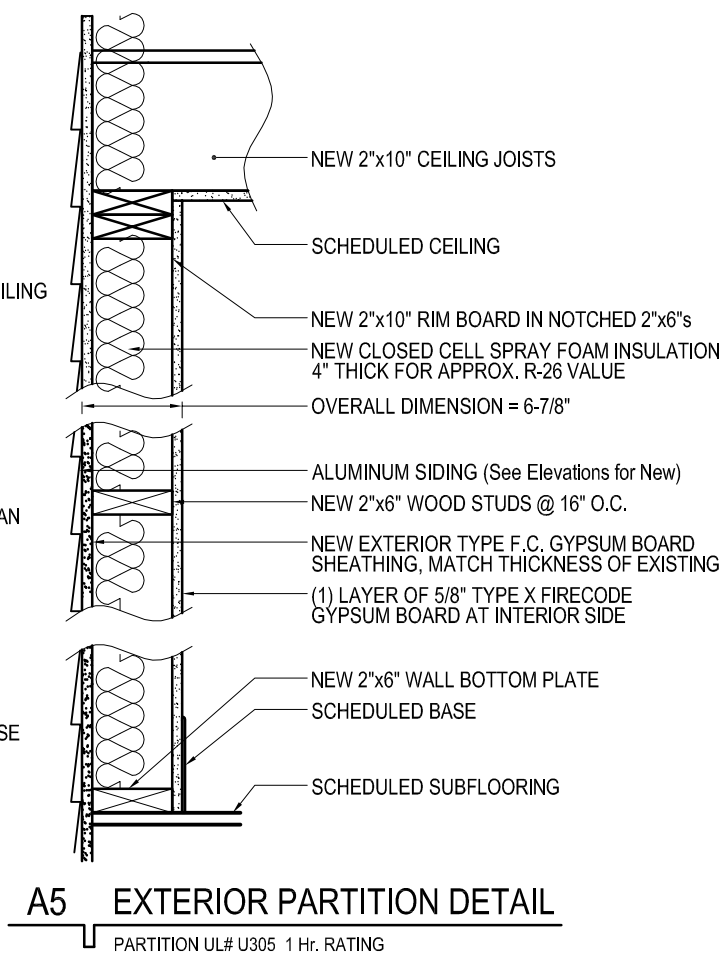
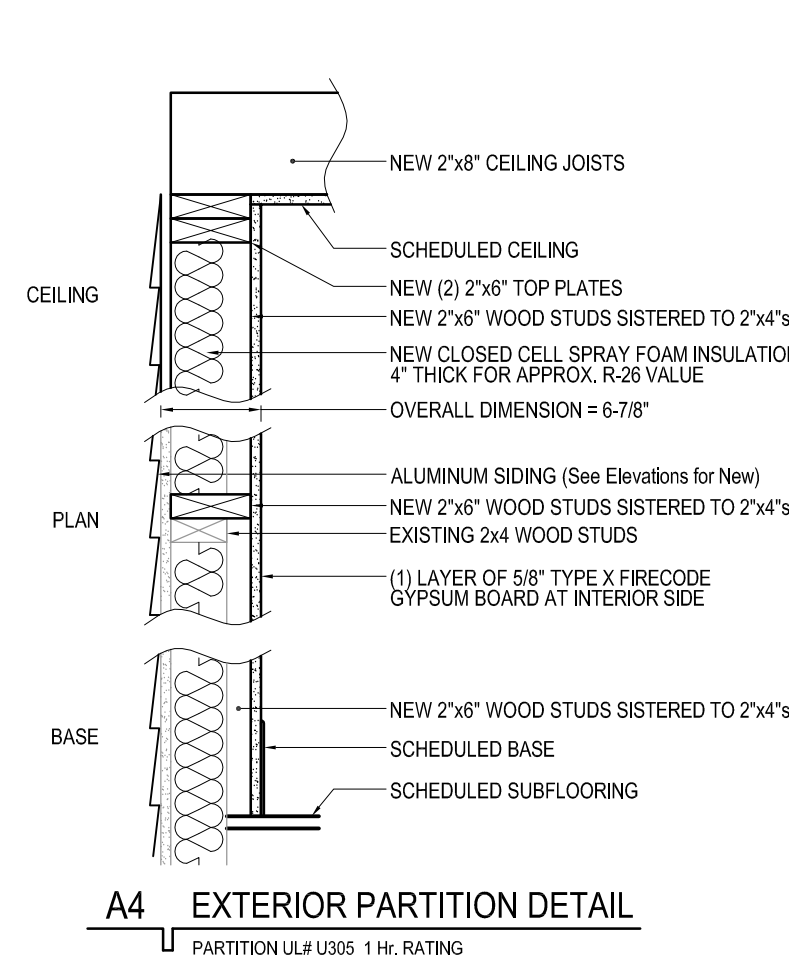
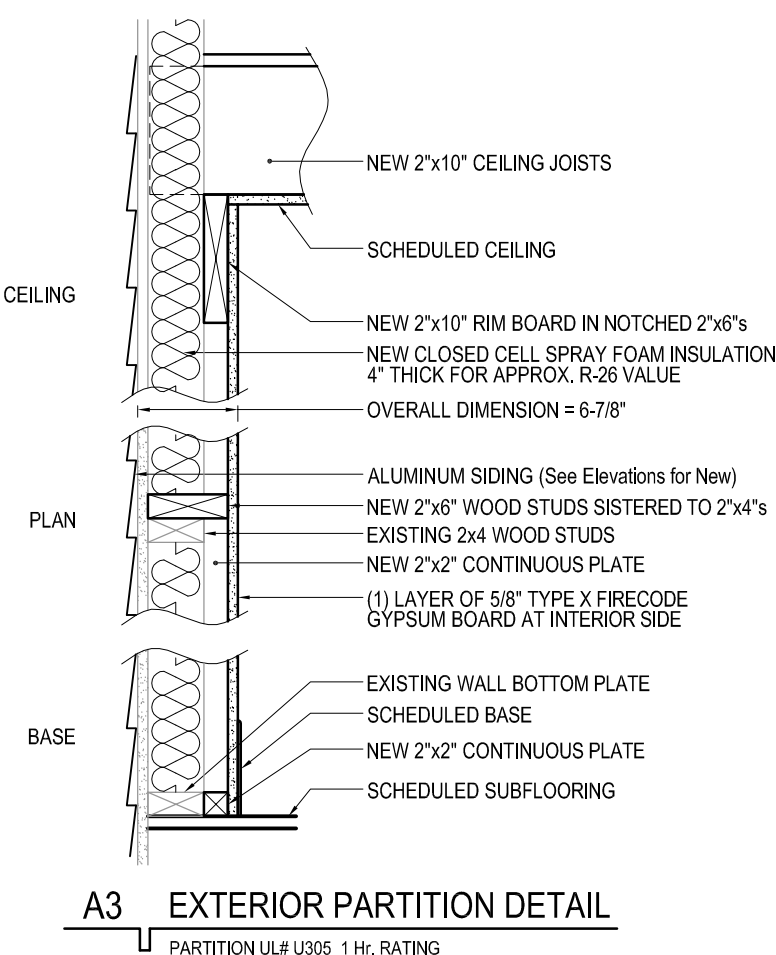
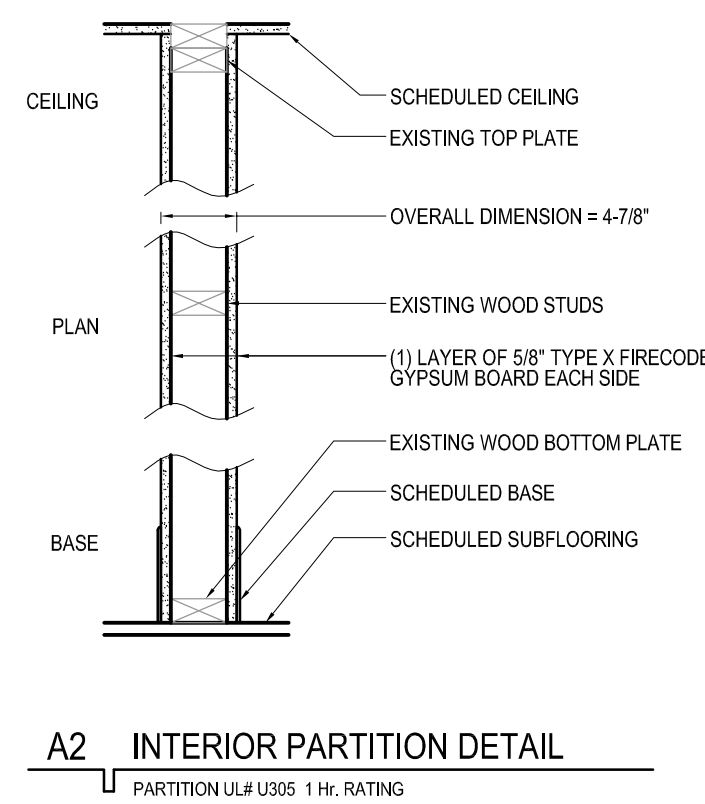
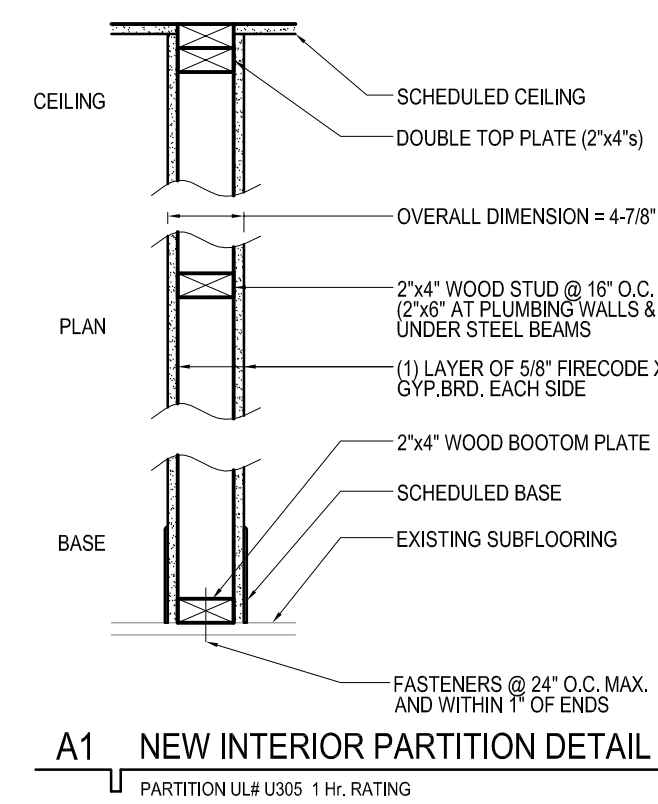


PROJECT ARCHITECT:
RT
 DRAFTERPERSON:
CS
 APPROVED:
RT
 PREPARED FOR:
OWNER
 LOCATION:
223 Center Street
Naperville, IL 60540
 JOB NUMBER:
223CS-07042023

SHEET No: **A-01**
 SHEET Name:
Proposed Floor Plans

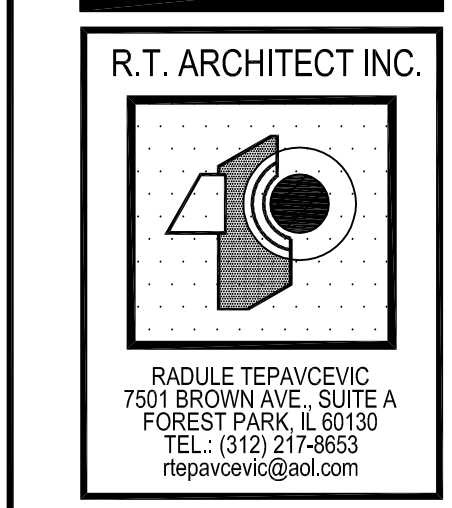
NO.	BY:	DATE:	DESCRIPTION:
1	RT	07/04/2023	Review
2	RT	07/04/2023	Permit

WALL TYPES



NO.	BY	DATE	DESCRIPTION
1	RT	07/14/2023	Revised
2	RT	07/14/2023	Permit

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SHEET No: **A-02**
SHEET Name:
Proposed Floor Plans



2 PROPOSED WEST ELEVATION
(REAR ELEVATION) SCALE 1/4"=1'-0"



1 PROPOSED EAST ELEVATION
(FRONT ELEVATION) SCALE 1/4"=1'-0"

REVISIONS		DESCRIPTION
NO.	DATE	REVISION
1	07/10/2023	Revise
2	07/10/2023	Permit

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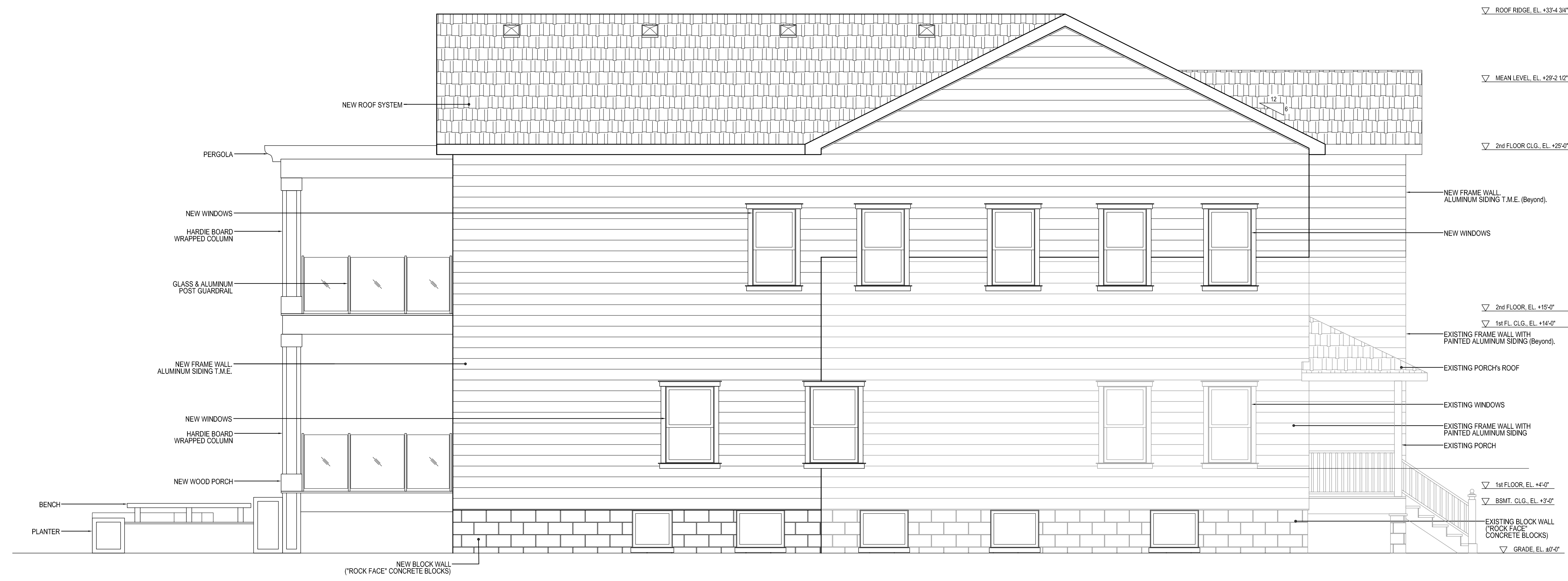
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APPROVED:
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223 Center Street
Naperville, IL 60540
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SHEET No: **A-03**
SHEET Name:
Proposed Elevations



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



1 PROPOSED SOUTH ELEVATION
SCALE 1/4"=1'-0"

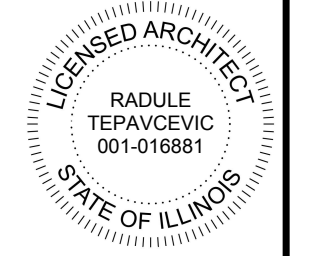
NO.	BY	DATE	DESCRIPTION
	RT	07/16/2023	Revised
	RT	07/16/2023	Permit

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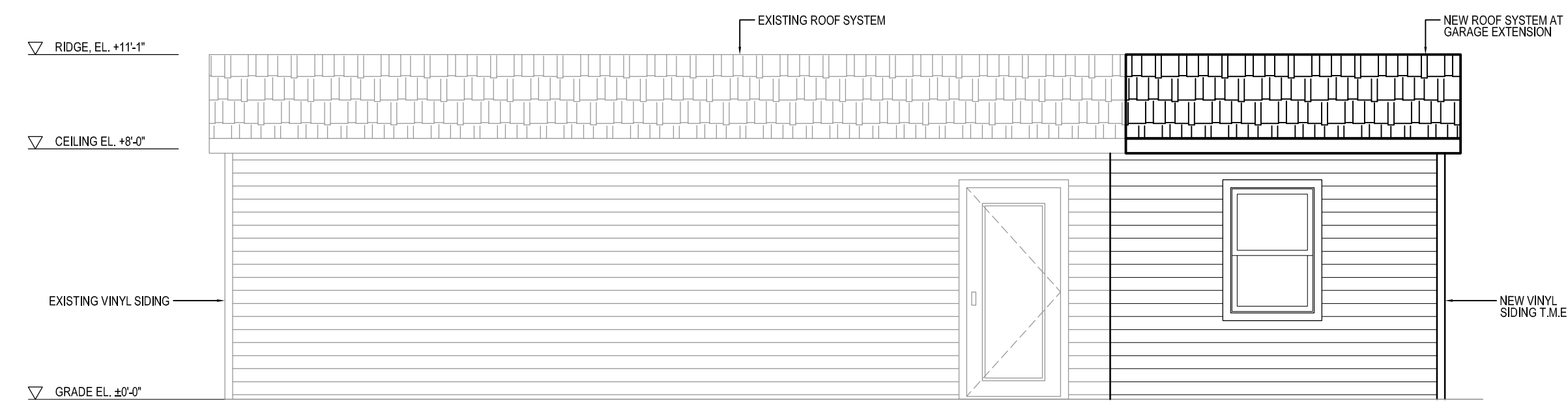
R.T. ARCHITECT INC.

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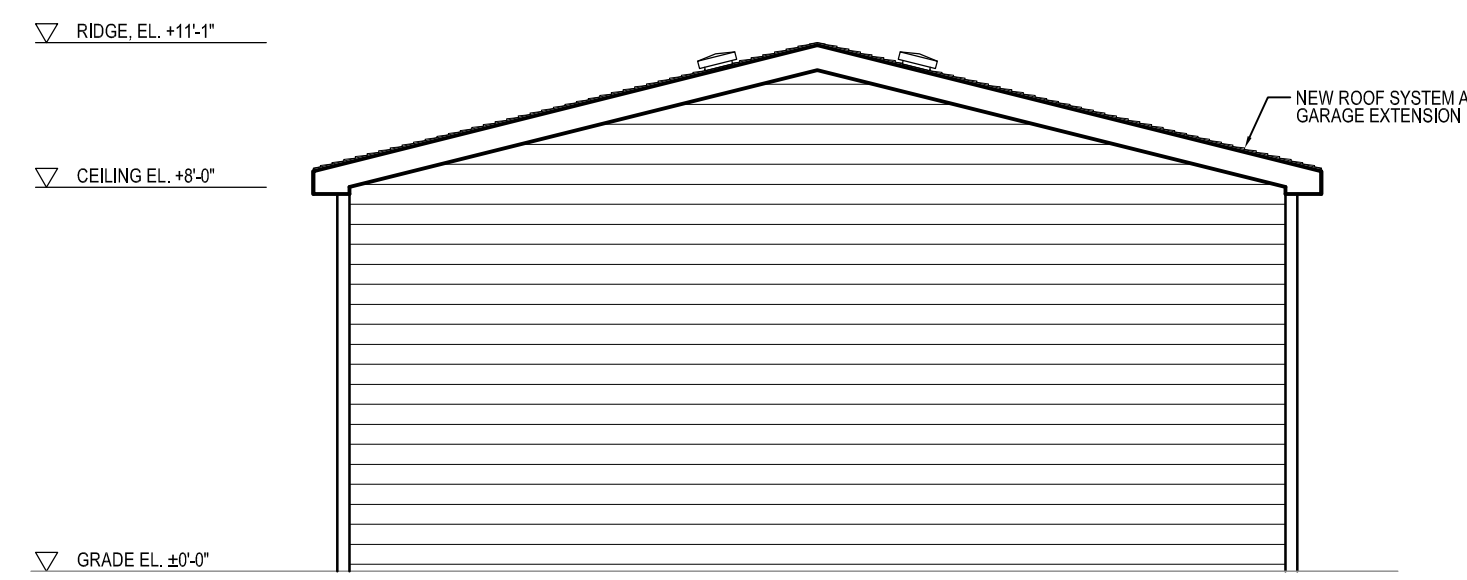


SHEET No: A-04
 SHEET Name:
Proposed Elevations



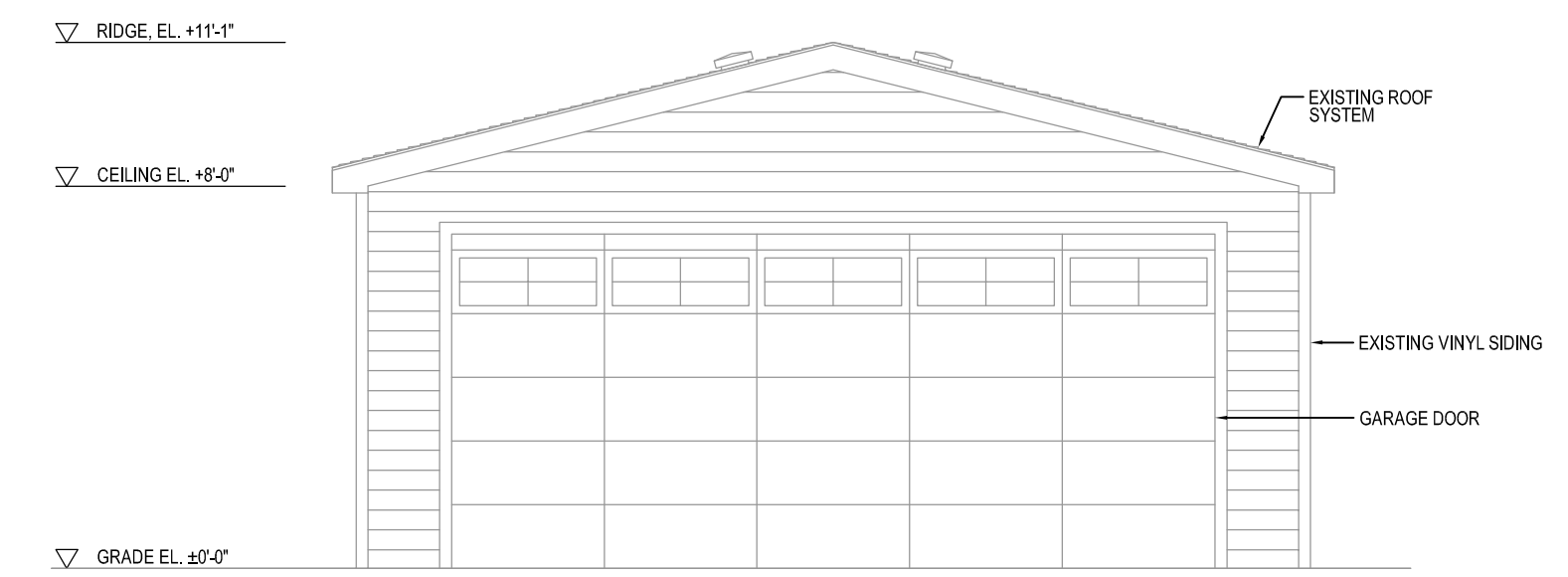
1 GARAGE NORTH ELEVATION

SCALE 1/4"=1'-0"



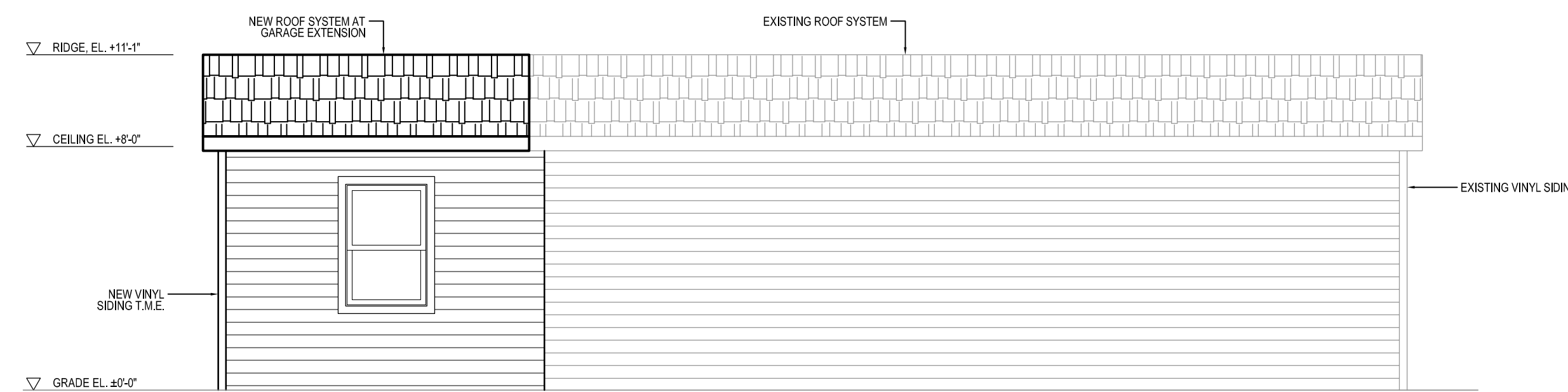
2 GARAGE WEST ELEVATION

SCALE 1/4"=1'-0"



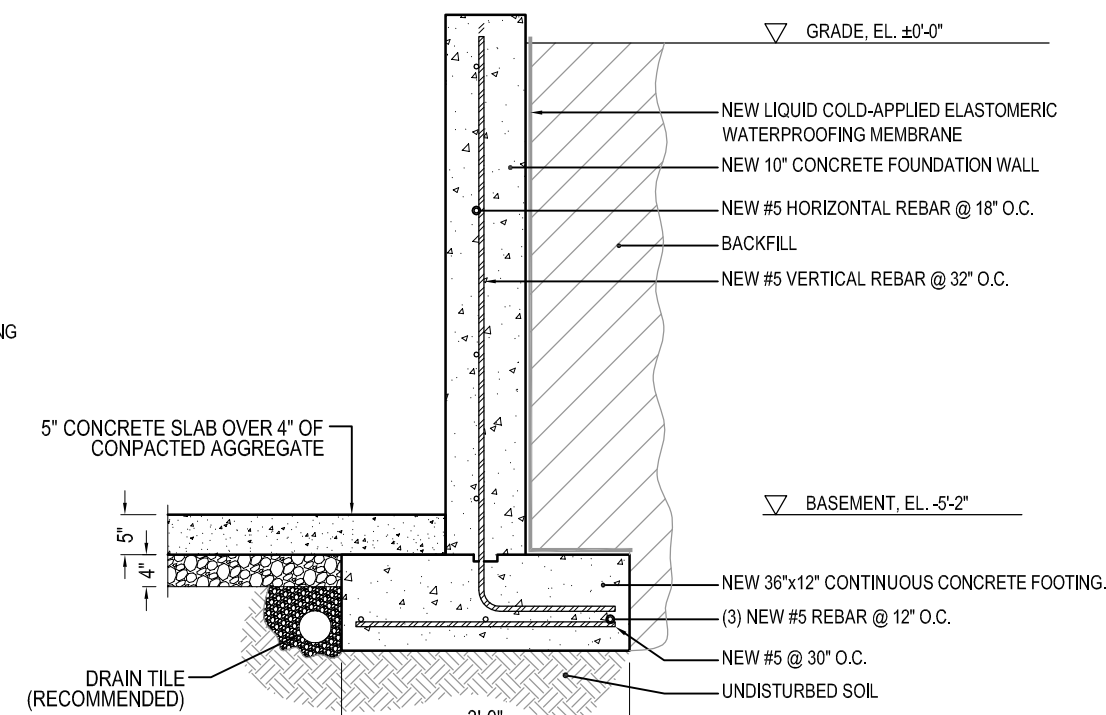
3 GARAGE EAST ELEVATION

SCALE 1/4"=1'-0"

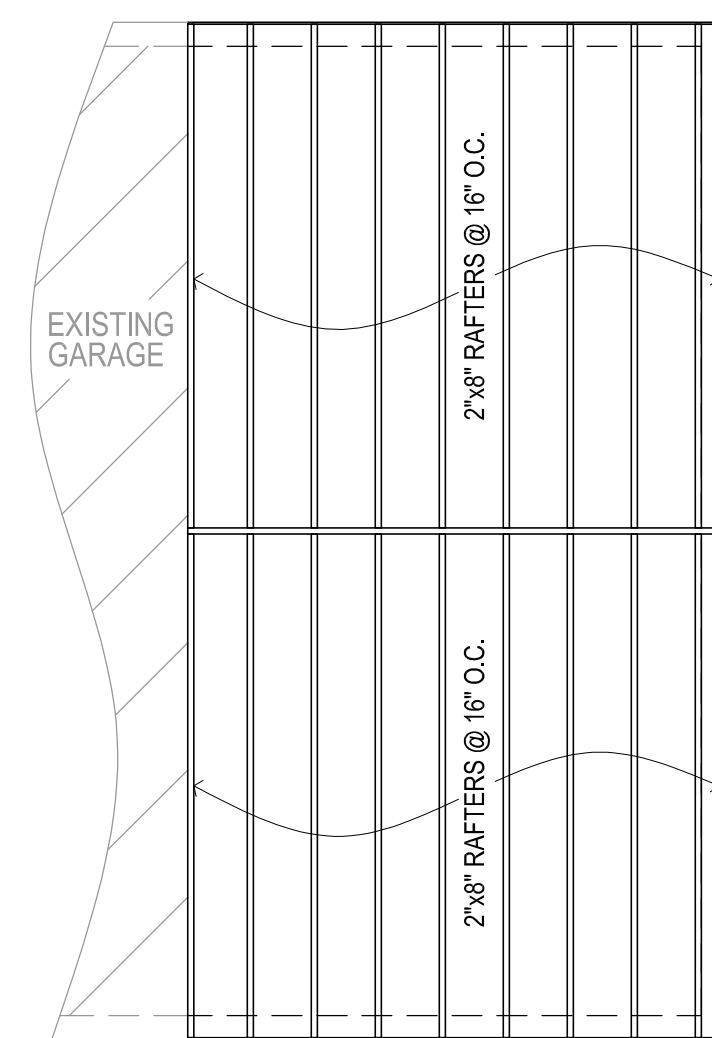


4 GARAGE SOUTH ELEVATION

SCALE 1/4"=1'-0"

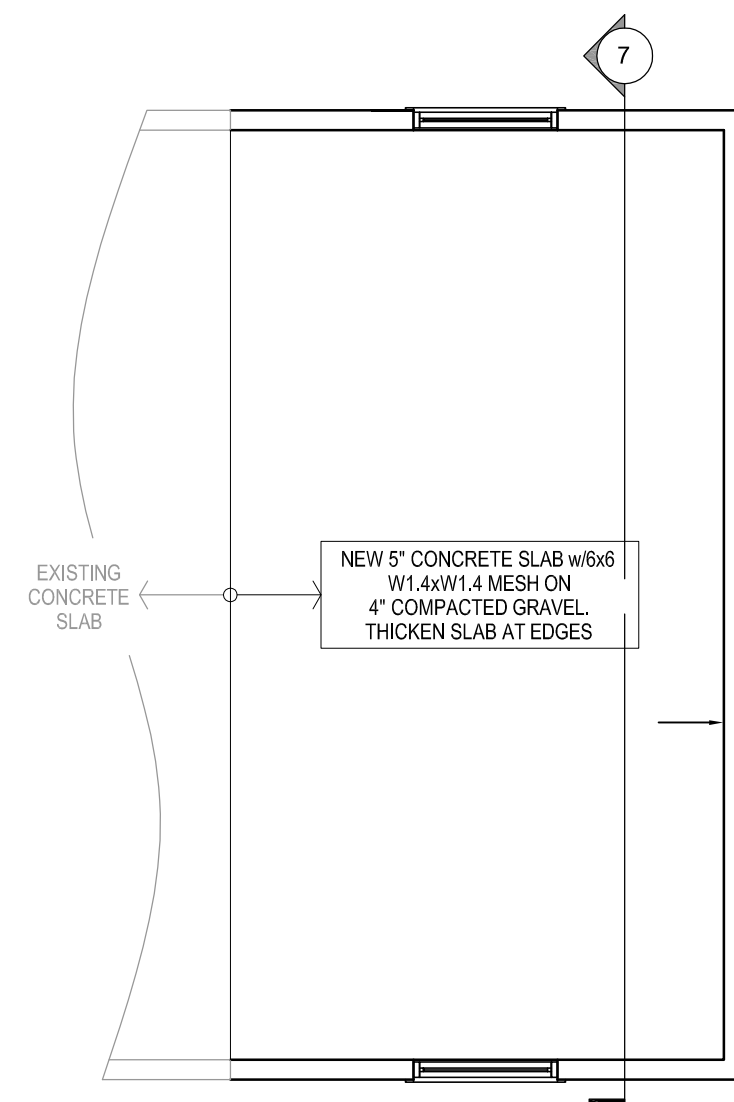


A FOUNDATION SECTION
REAR BUILDING ADDITION



5 ROOF FRAMING PLAN
GARAGE EXTENSION

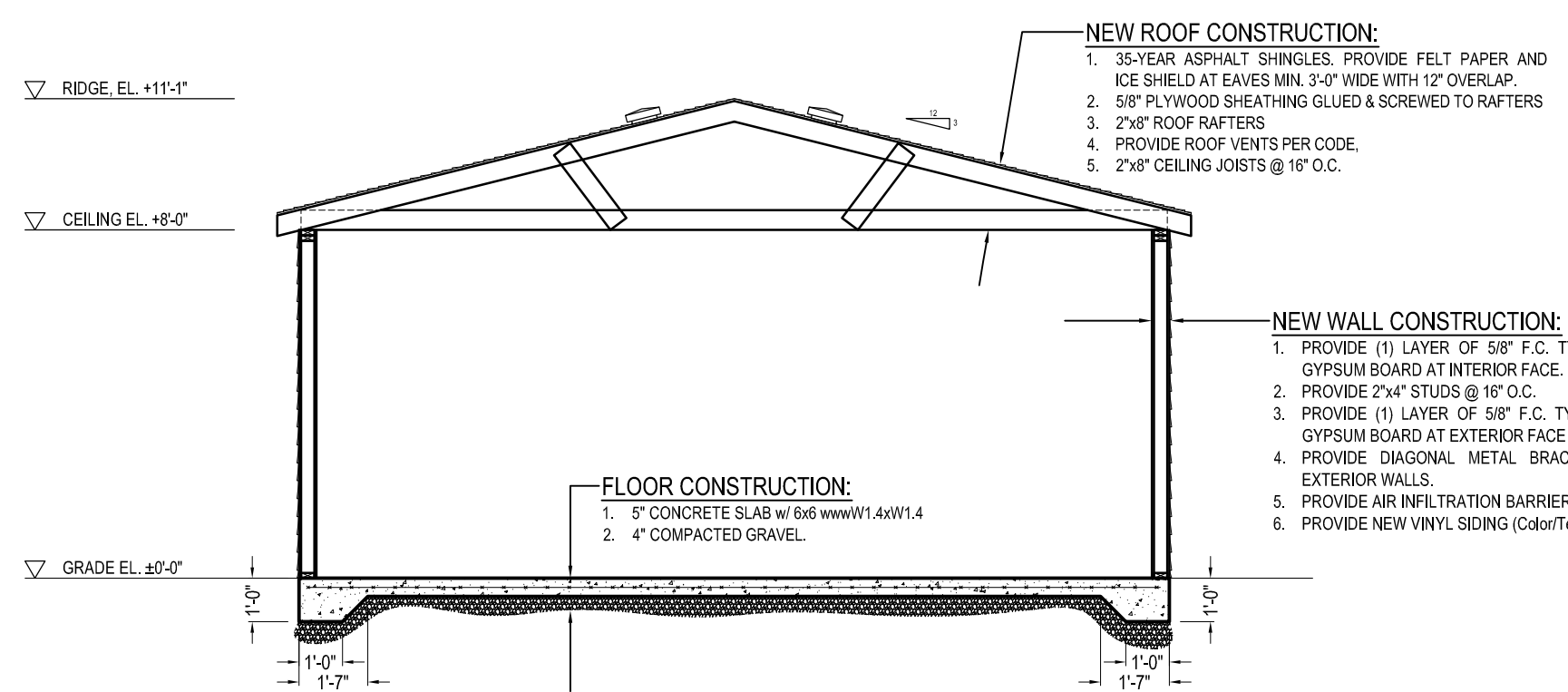
SCALE 1/4"=1'-0"



6 PROP. GARAGE PLAN

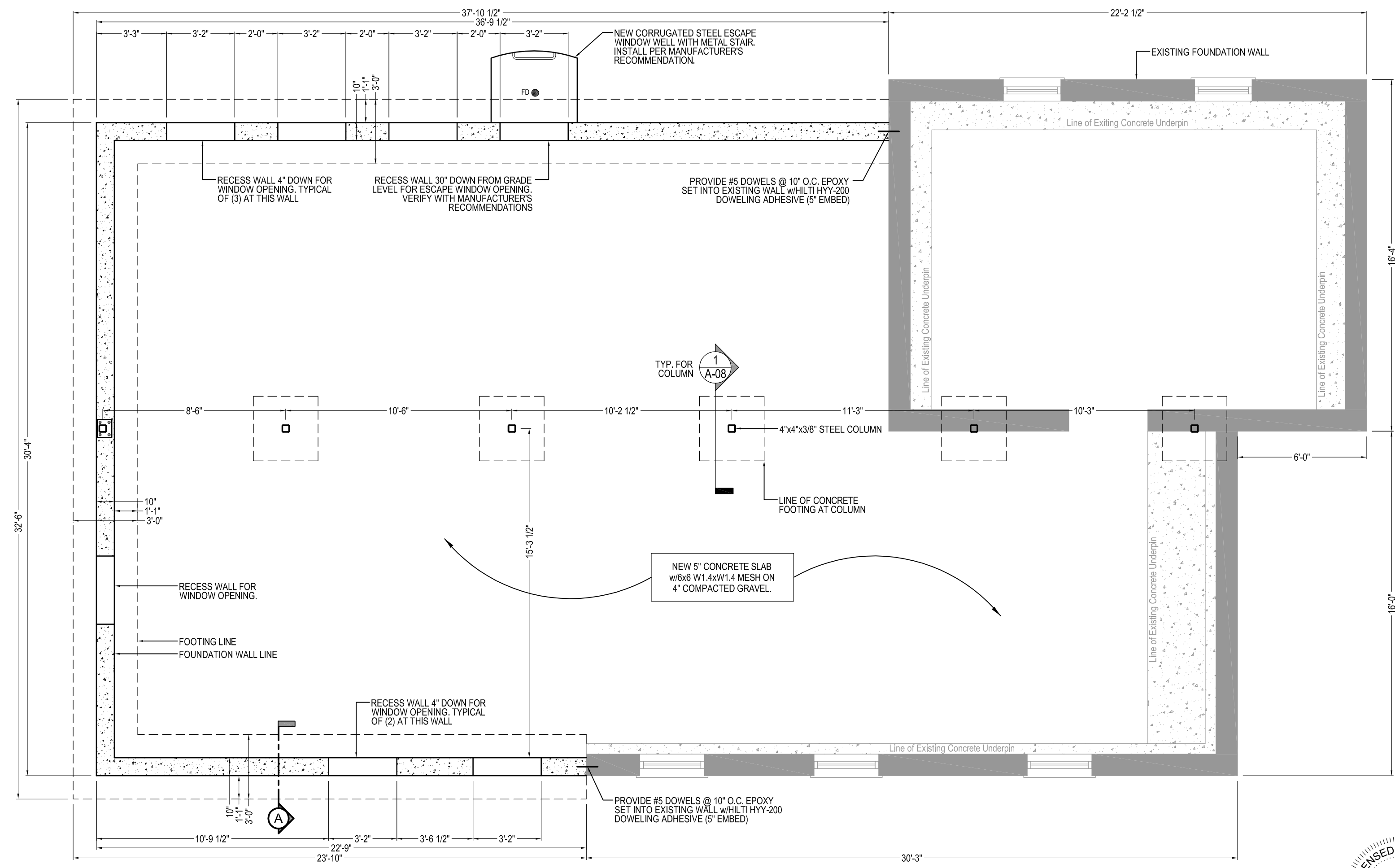
SCALE 1/4"=1'-0"

- NEW WALL CONSTRUCTION:**
1. PROVIDE (1) LAYER OF 5/8" F.C. TYPE "X" INTERIOR GRADE OYSPUM BOARD AT INTERIOR FACE.
 2. PROVIDE 2"x4" STUDS @ 16" O.C.
 3. PROVIDE (1) LAYER OF 5/8" F.C. TYPE "X" EXTERIOR GRADE OYSPUM BOARD AT EXTERIOR FACE OF WALL.
 4. PROVIDE DIAGONAL METAL BRACING @ BOTH ENDS OF EXTERIOR WALLS.
 5. PROVIDE AIR INFILTRATION BARRIER (TYVEK) 12" OVERLAP MIN.
 6. PROVIDE NEW VINYL SIDING (Color/Texture per Owner Selection).

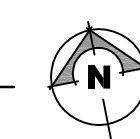


7 GARAGE SECTION

SCALE 1/4"=1'-0"



8 PROPOSED FOUNDATION PLAN
REAR BUILDING ADDITION



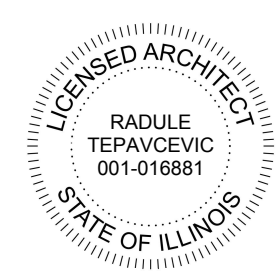
REVISIONS	NO.	DATE	DESCRIPTION
	BY: RT	07/16/2023	Review
	RT	07/16/2023	Permit

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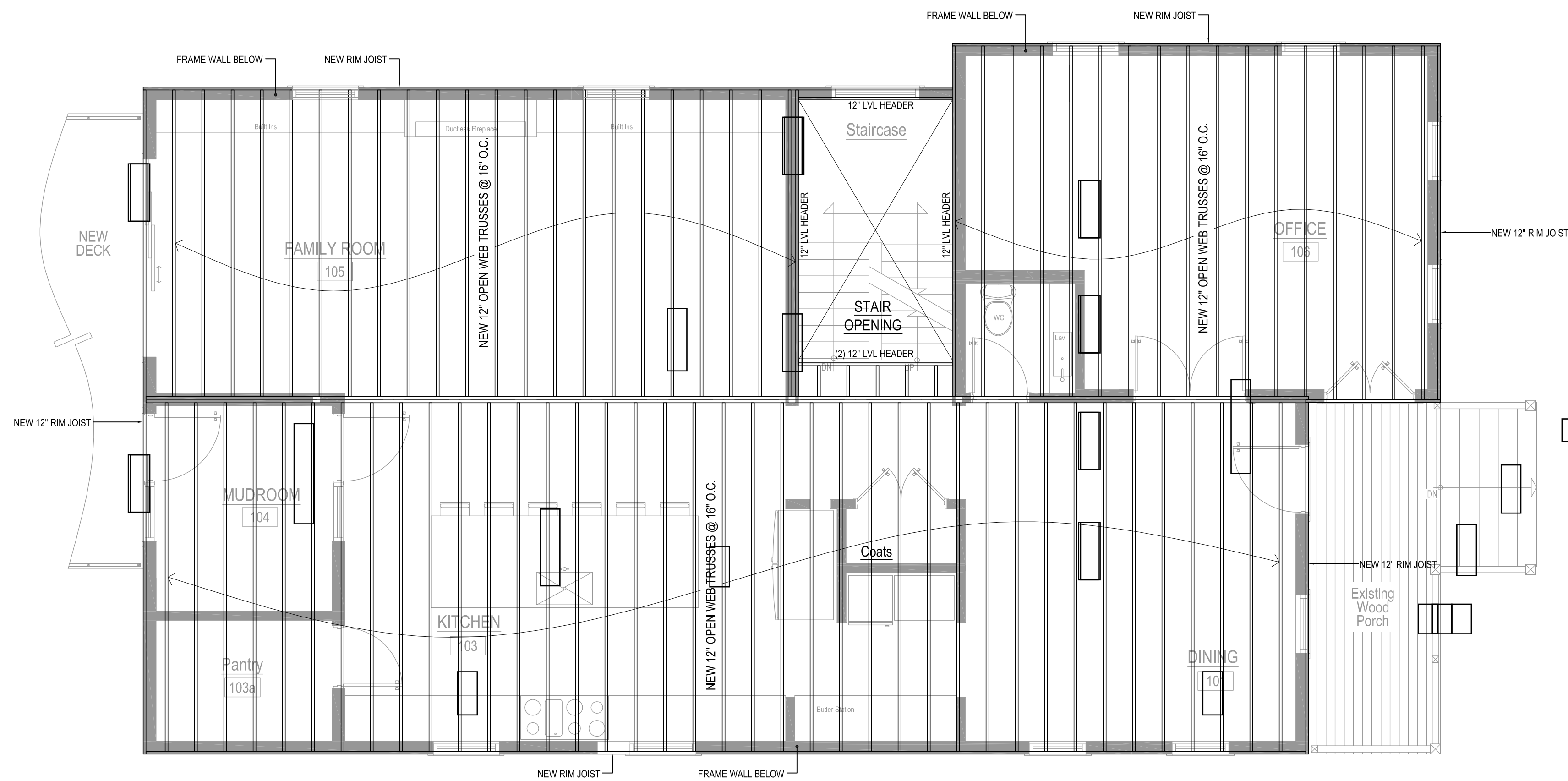
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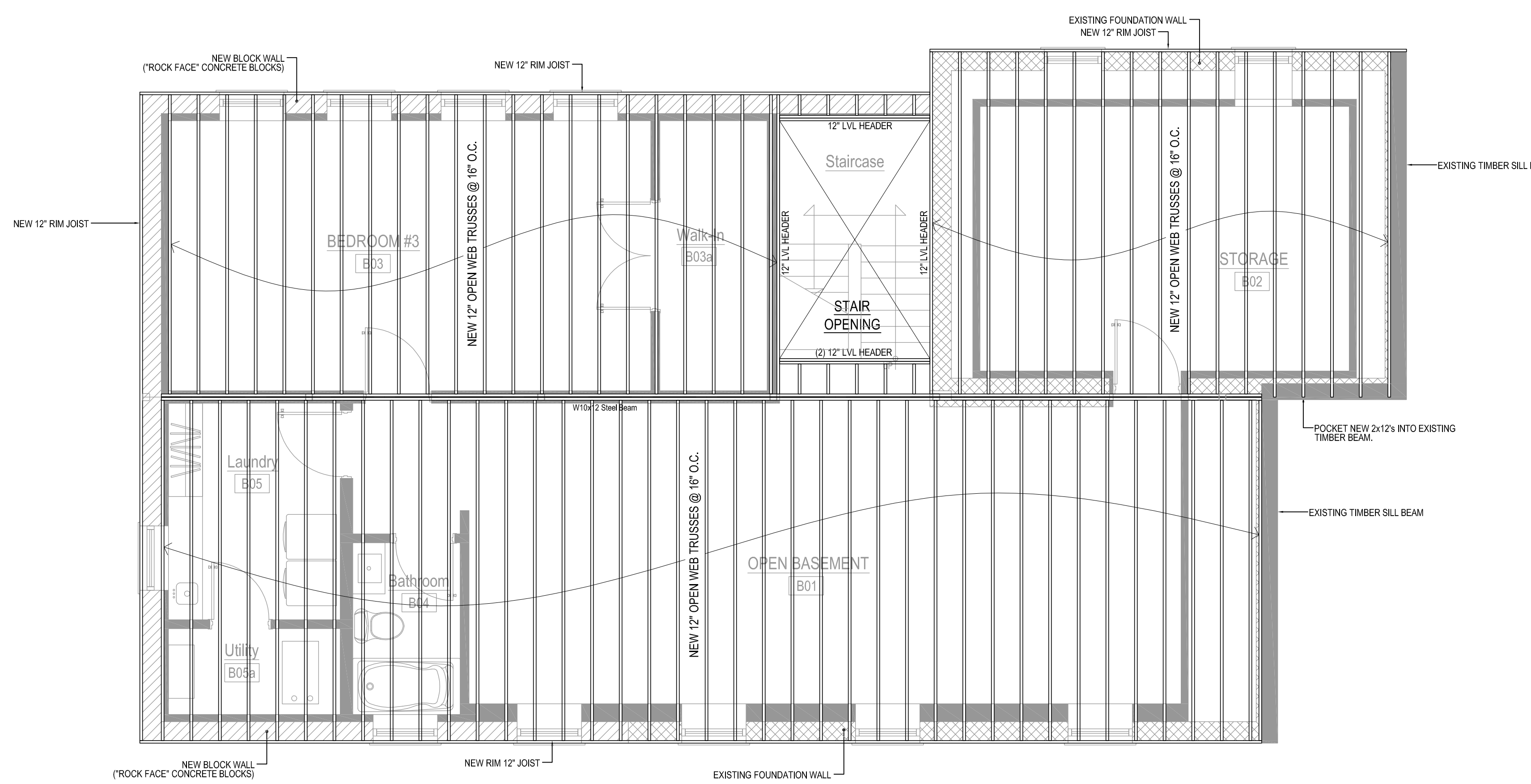
PROJECT ARCHITECT:
RT
 DRAFTPERSON:
CS
 APPROVED:
RT
 PREPARED FOR:
OWNER
 LOCATION:
223 Center Street
Naperville, IL 60540
 JOB NUMBER:
223CS-07042023



SHEET No: **A-05**
 SHEET Name:
Addition Foundation Plan & Garage Extension Plans & Elevations



2 PROPOSED FRAMING PLAN
SECOND FLOOR DECK SCALE 1/4"=1'-0"



1 PROPOSED FRAMING PLAN
FIRST FLOOR DECK SCALE 1/4"=1'-0"

NO.	BY	DATE	DESCRIPTION
1	RT	07/04/2023	Revised
2	RT	07/04/2023	Permit

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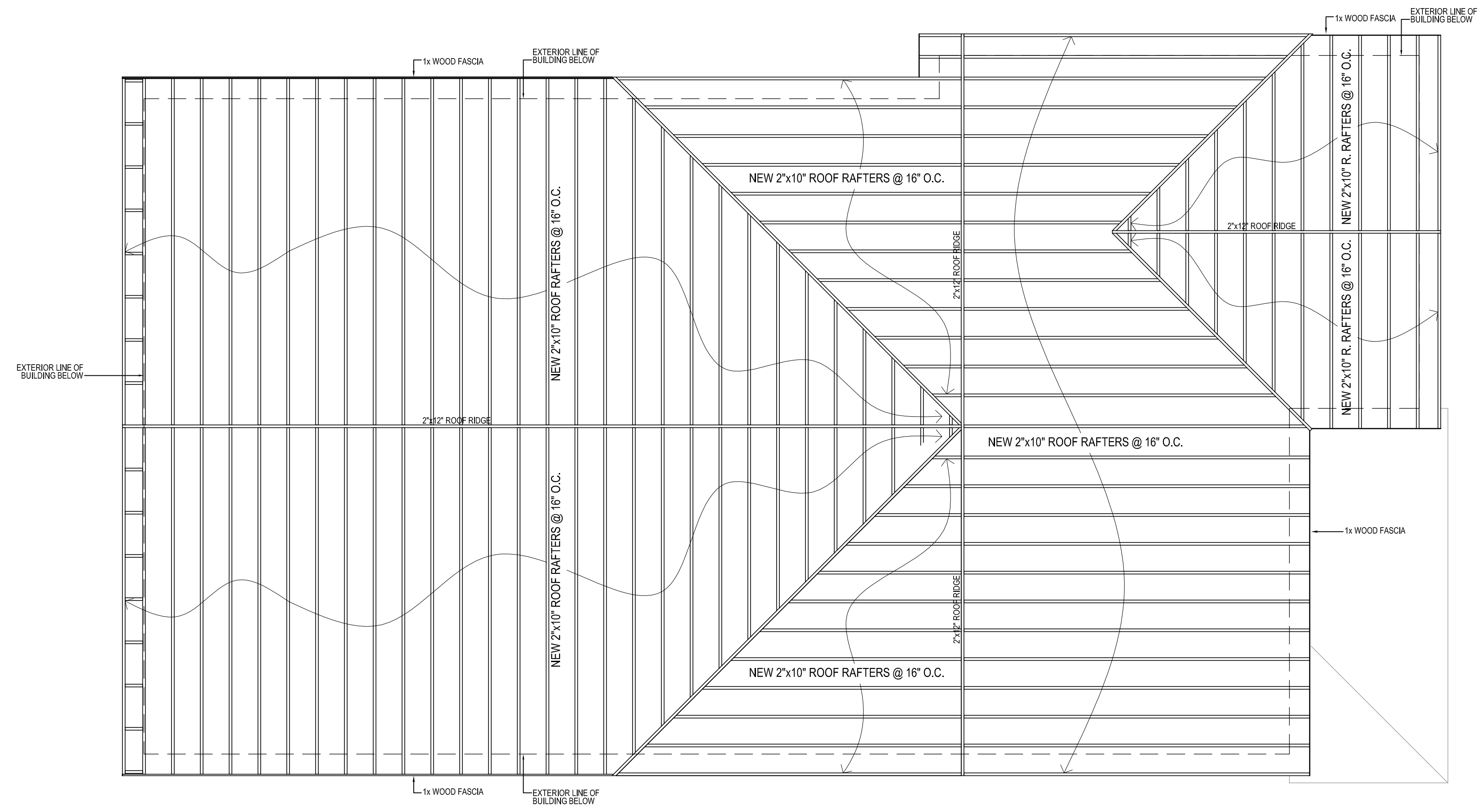
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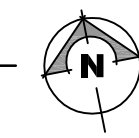


SHEET No: **A-06**
 SHEET Name:
Proposed Framing Plans



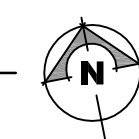
2 PROPOSED ROOF FRAMING PLAN

SCALE 1/4"=1'-0"



1 PROPOSED FRAMING PLAN
SECOND FLOOR CEILING

SCALE 1/4"=1'-0"



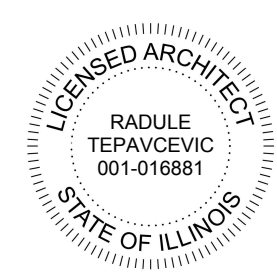
REVISIONS		DATE	DESCRIPTION
NO.	BY	DATE	DESCRIPTION
1	RT	07/14/2023	Rehab
2	RT	07/14/2023	Permit

Convert 2-Unit to Single Family Residence, Interior Rehab & New 2-Story Frame Addition including New Partitions, New Electrical, Mechanical & Plumbing Systems, New Roof System & New Rear Deck & Balcony per Plans.
223 Center Street, Naperville Illinois 60540

R.T. ARCHITECT INC.

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rtapavcevic@aol.com

PROJECT ARCHITECT:
RT
DRAFTPERSON:
CS
APPROVED:
RT
PREPARED FOR:
OWNER
LOCATION:
223 Center Street
Naperville, IL 60540
JOB NUMBER:
223CS-07042023



SHEET No: **A-07**
SHEET Name:
Proposed Framing Plans

GENERAL FRAMING NOTES

1. PROVIDE DIAGONAL METAL BRACING @ BOTH ENDS OF EXTERIOR FRAME WALLS. USE SIMPSON STRONG-TIE TWB-22 GA. WALL BRACING OR EQUAL APPROVED.
2. ALL DIMENSIONS ON DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS BY THE GENERAL CONTRACTOR. ANY DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT/ENGINEER OF RECORD IMMEDIATELY.
3. GENERAL CONTRACTOR SHALL INSPECT ALL EXISTING (TO REMAIN) STRUCTURAL MEMBERS PRIOR TO COMMENCEMENT OF ANY NEW WORK. GENERAL CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER (A/E) OF RECORD OF ANY DAMAGED AND/OR MISSING PARTS OF STRUCTURAL SUPPORT MEMBERS IMMEDIATELY. NO WORK SHALL BE DONE UNLESS ARCHITECT/ENGINEER HAS GIVEN THE WRITTEN AUTHORIZATION TO CONTINUE AND THE CONSIDERATIONS TO BE DONE ACCORDING TO EXISTING CONDITIONS.

ATTIC VENTILATION CODE REQUIREMENT

REQUIRED ATTIC VENTILATION:

According to IRC, Section R806.2:
 $V = \text{Ventilating Area} = (1/300)A$
 $A = \text{Attic Area} = 1,738 \text{ Square Feet}$

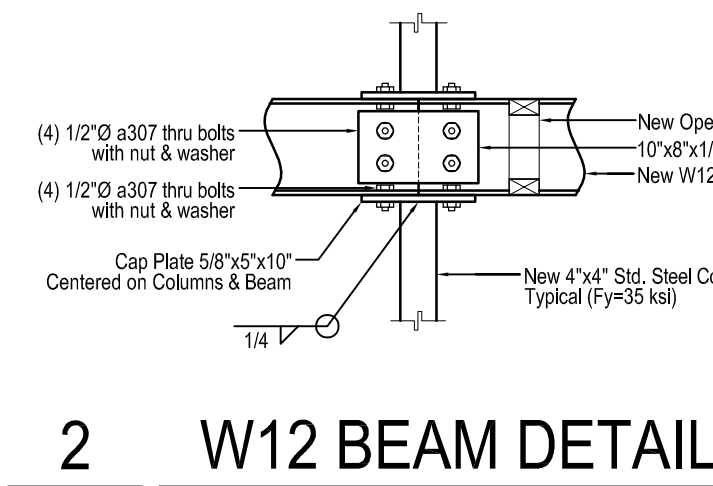
$V = (1/300)(1,738) = 5.80 \text{ Square Feet (835.2 Square Inches)}$

PROVIDED VENTILATION:

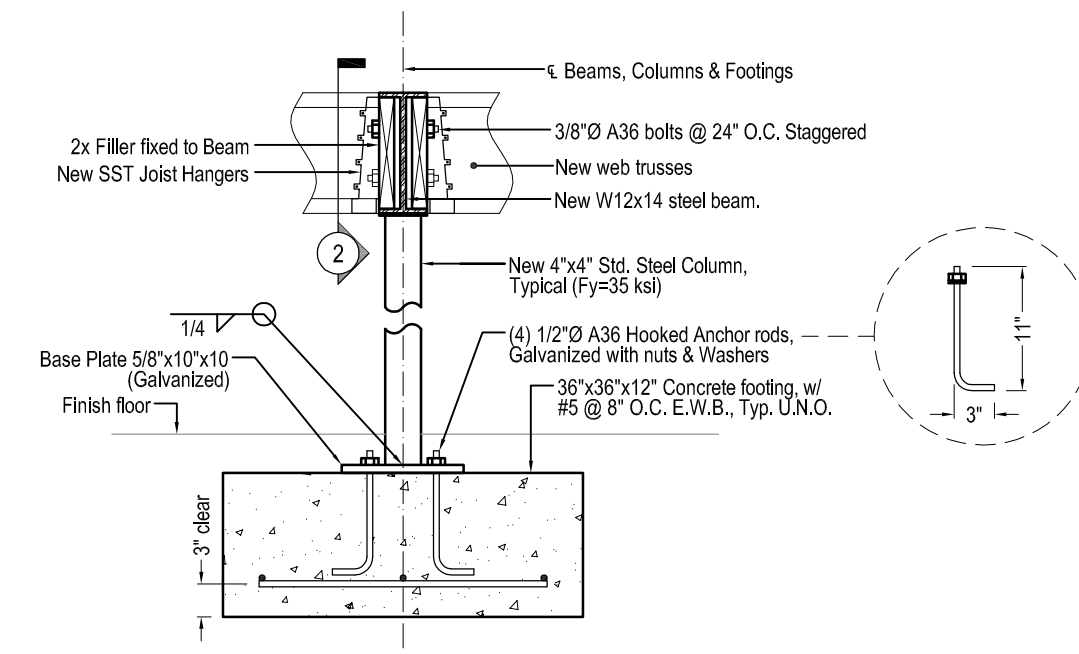
Using Vent Soffit LSV8 Series by "GAF", which comes in 8' long sections with a net free area of 68 square inches each and Roof Vents Model RT-65 by "GAF" with a net free area of 60 square inches:
 Soffit Vents = (8)(68) = 544 square inches, and
 Roof vents = (12)(50) = 720 square inches
 total vent area = 1,264 square inches > 835.2

NOTES:

1. A VAPOR BARRIER HAVING A TRANSMISSION RATE NOT EXCEEDING 1 PERM SHALL BE INSTALLED ON THE WARM-IN-WINTER SIDE OF THE CEILING (6-mil polyethylene plastic sheathing used).
2. VENTILATING OPENINGS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE MESH, WITH 1/8" MINIMUM TO 1/4" MAXIMUM OPENINGS.
3. WHERE EAVE OR CORNICE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. A MINIMUM OF 1" SPACE SHALL BE PROVIDED BETWEEN THE INSULATION AND THE ROOF SHEATHING AND AT THE LOCATION OF THE VENT.



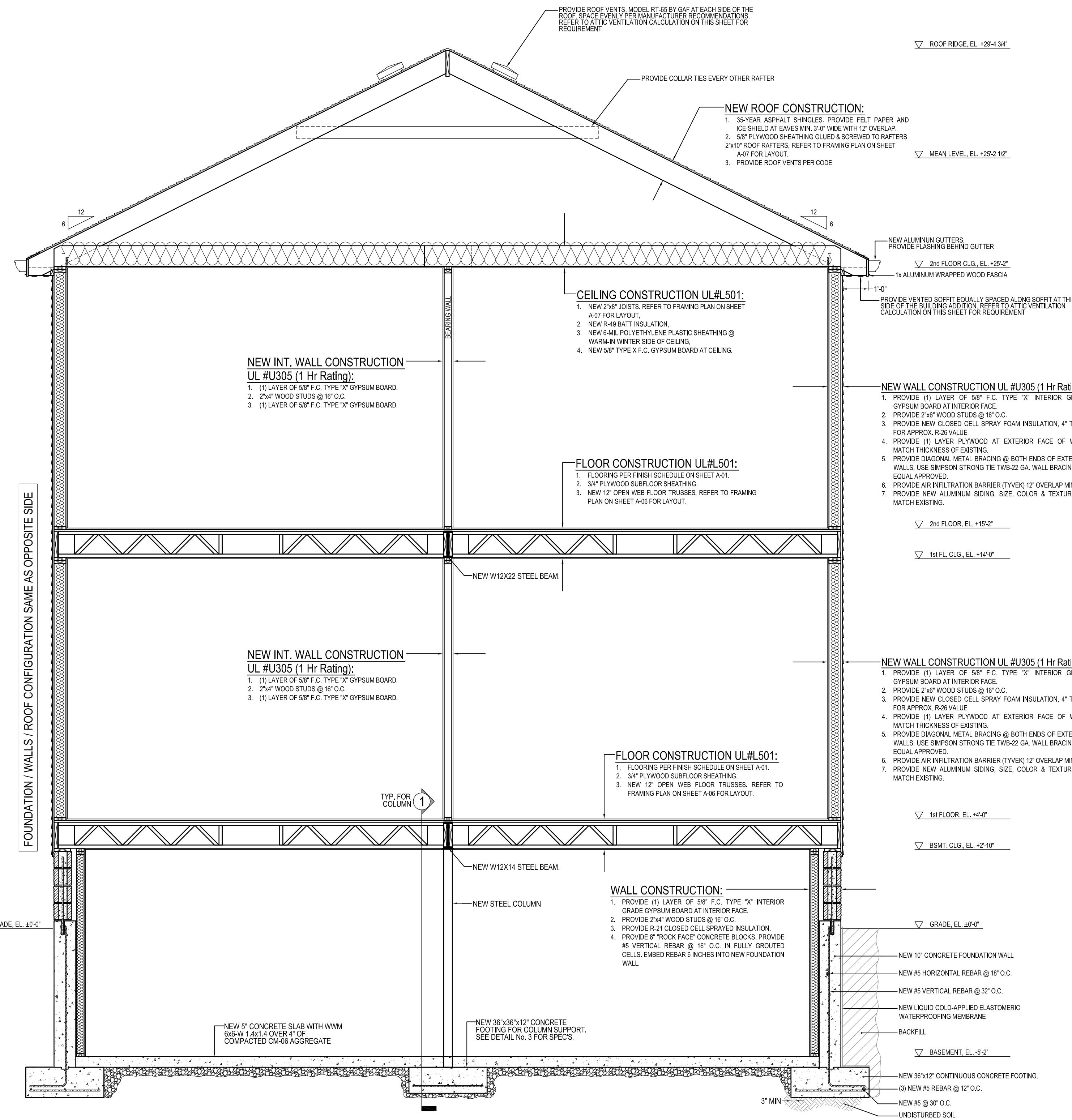
2 W12 BEAM DETAIL
SCALE 3/4"=1'-0"



1 COLUMN-FOOTING DETAIL
SCALE 3/4"=1'-0"

NOTES:

WBx10: ASTM A992, Fy=50 ksi
 4"Ø PIPE: ASTM A53, Fy=35 ksi
 PLATES: ASTM A36, Fy=36 ksi
 ANCHOR BOLTS: ASTM A36, Fy=36 ksi
 GALVANIZE BASE PLATES.
 SHOP PAINT ALL OTHER STEEL.
 PAINT FIELD WELDS w/ZINC RICH PAINT
 CONCRETE: f'c=3500 psi
 REBAR: Fy=60,000 psi
 SOIL: 10' allow = 2,500 psf Min. (Service)
 CONFIRM IN FIELD.



A-A BUILDING OVERALL SECTION
SCALE 3/8"=1'-0"

NO.	BY	DATE	DESCRIPTION
1	RT	07/16/2023	Revised
2	RT	07/16/2023	Permit

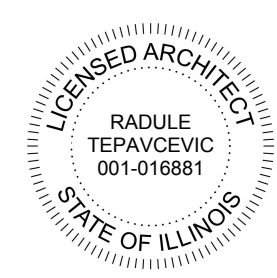
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 223 Center Street, Naperville Illinois 60540

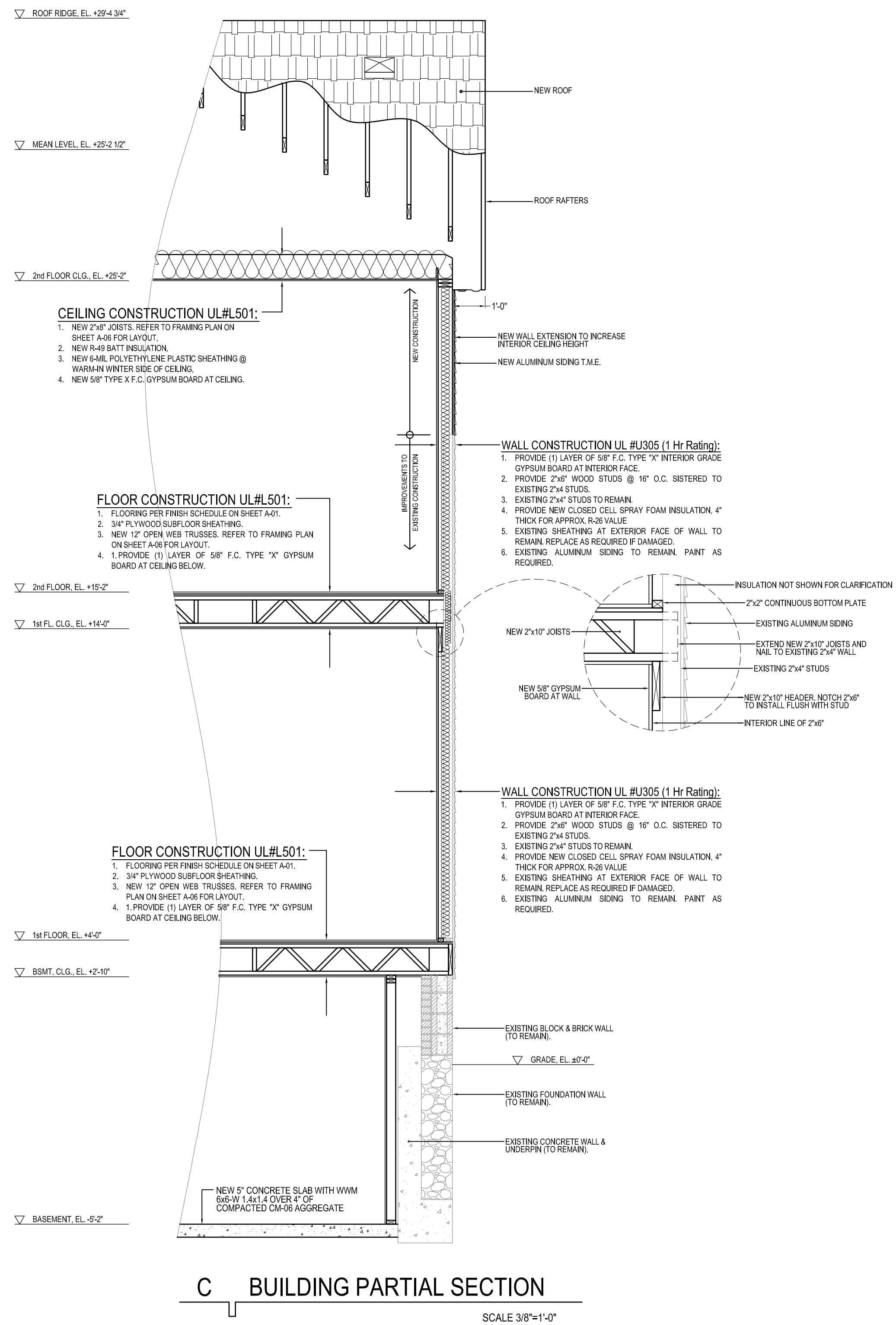
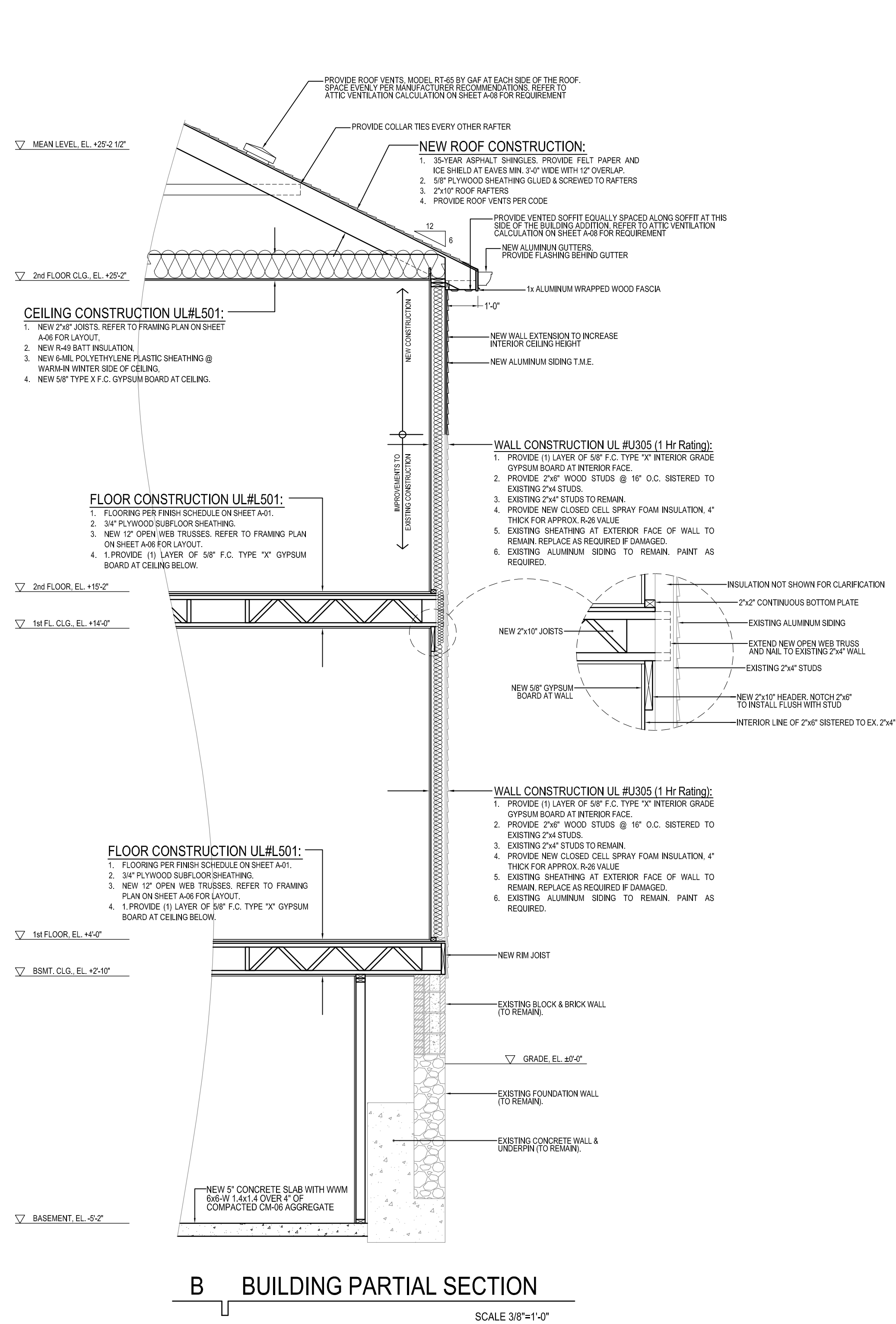
R.T. ARCHITECT INC.

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DRAFTPERSON:
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APPROVED:
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PREPARED FOR:
 OWNER
LOCATION:
 223 Center Street
 Naperville, IL 60540
JOB NUMBER:
 223CS-07042023

SHEET No: **A-08**
 SHEET Name: **Building Section**





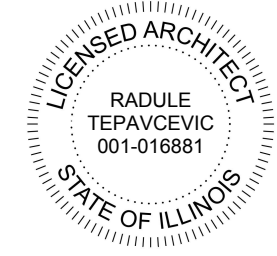
NO.	BY	DATE	DESCRIPTION
1	RT	07/04/2023	Review
2	RT	07/04/2023	Permit

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Naperville, IL 60540
JOB NUMBER:
223CS-07042023



SHEET No: **A-09**
SHEET Name:
Building Sections

NEW SPREAD FOOTING SCHEDULE										NOTES
MARK	FOOTING			REINFORCEMENT		PEDESTAL		REINFORCEMENT		
	LONG WAY "B"	SHORT WAY "D"	MINIMUM "T"	LONG WAY	SHORT WAY	DIAMETER "Ø"	LENGTH "L"	HORIZ.	VERTICAL	
F-1	1'-6"	1'-6"	1'-0"	(3)#5	(3)#5	10"	36"	#3 @ 18" O.C.	(4)#5	1, 2
F-2	2'-0"	2'-0"	1'-0"	(3)#5	(3)#5	14"	36"	#3 @ 18" O.C.	(4)#5	1, 2
F-3	3'-0"	3'-0"	1'-0"	(3)#5	(3)#5	14"	36"	#3 @ 18" O.C.	(4)#5	1, 2

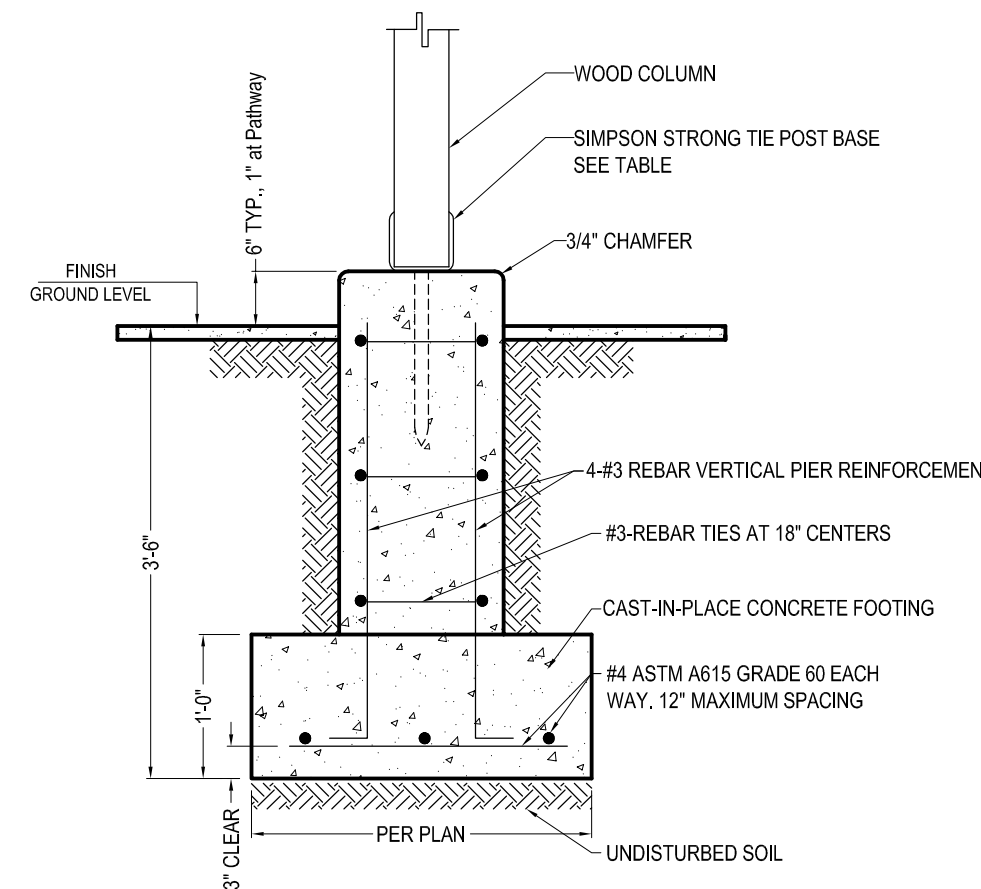
NOTES:
 1. FOOTING REINFORCEMENT TO BE SPACED EVENLY ON EACH DIRECTION, NUMBER OF BARS AS SPECIFIED.
 2. REFER TO "MATERIAL NOTES" ON SHEET A-55 FOR MATERIALS SPECIFICATIONS.

COLUMN SCHEDULE					
MARK	TYPE	SIZE	MATERIAL	BASE CONNECTOR	NOTES
C-1 to C-3	NEW	8"x8"	P.T. WOOD	CBSQ88-SDS2	1, 2
C-4 to C-10	NEW	6"x6"	P.T. WOOD	CBSQ66-SDS2	1, 2

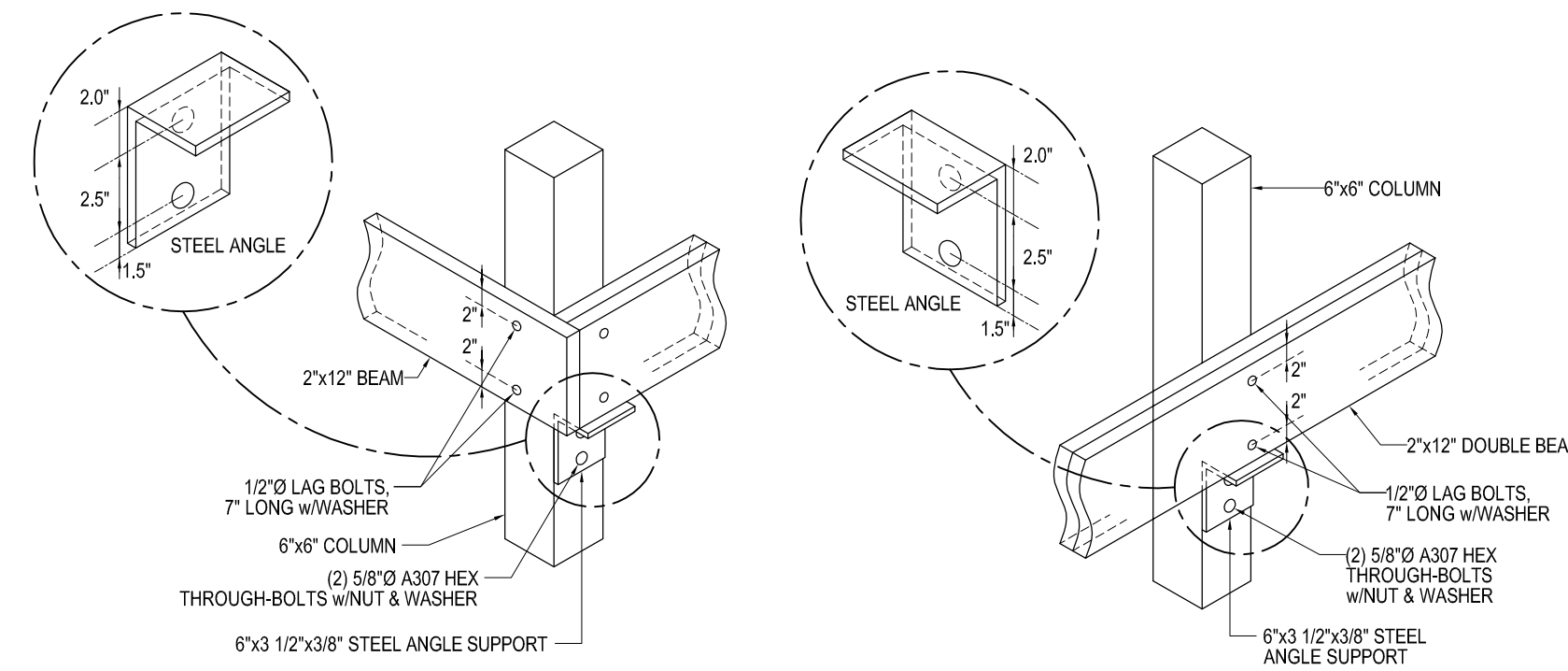
NOTES:
 1. SEE TABLE A ON SHEET G-01 FOR CONNECTOR DESCRIPTION.
 2. REFER TO "MATERIAL NOTES" ON SHEET G-01 FOR MATERIALS SPECIFICATIONS.

ARCHITECTURAL NOTES

- THE ABOVE PLANS SHOW ONLY A PARTIAL PORTION OF THE FRAME BUILDING, REFER TO PROPOSED PLAN ON SHEETS A-01 & A-02 FOR LOCATION OF DECK & BALCONY IN GENERAL VIEW.
- THRUSTS ON HANDRAILS: HANDRAILS SHALL BE DESIGNED TO RESIST A SIMULTANEOUS VERTICAL & HORIZONTAL THRUST OF 50 LB/FT APPLIED AT THE TOP OF THE RAILING OR A CONCENTRATED LOAD OF 200 LB/FT, IN ANY DIRECTION.

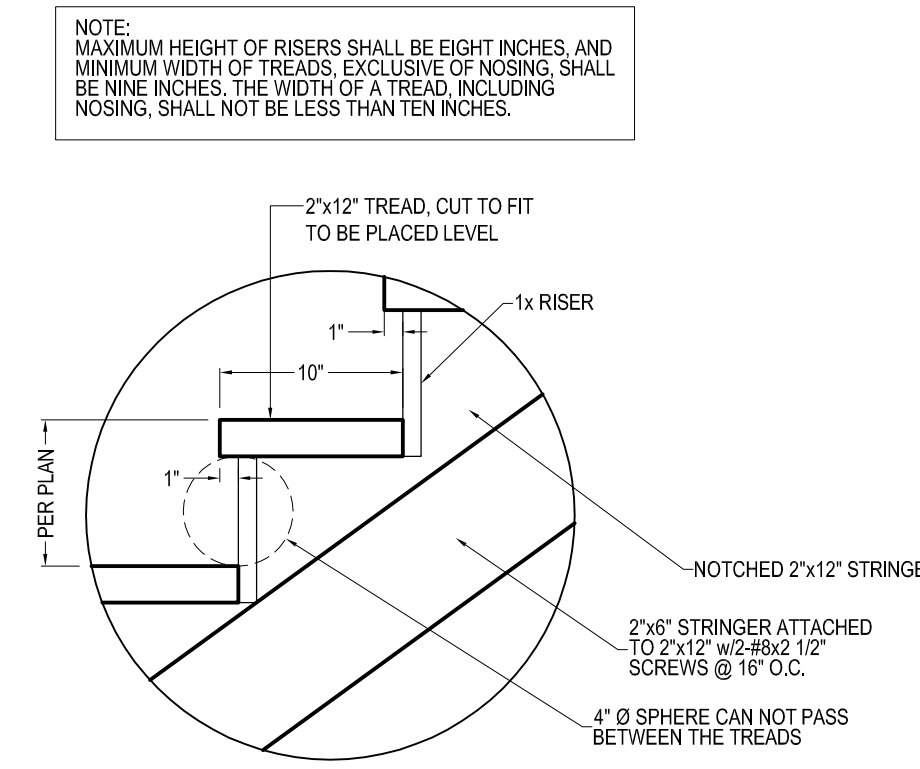


D-1 POST SPREAD FOOTING
FOR COLUMNS
NOT TO SCALE

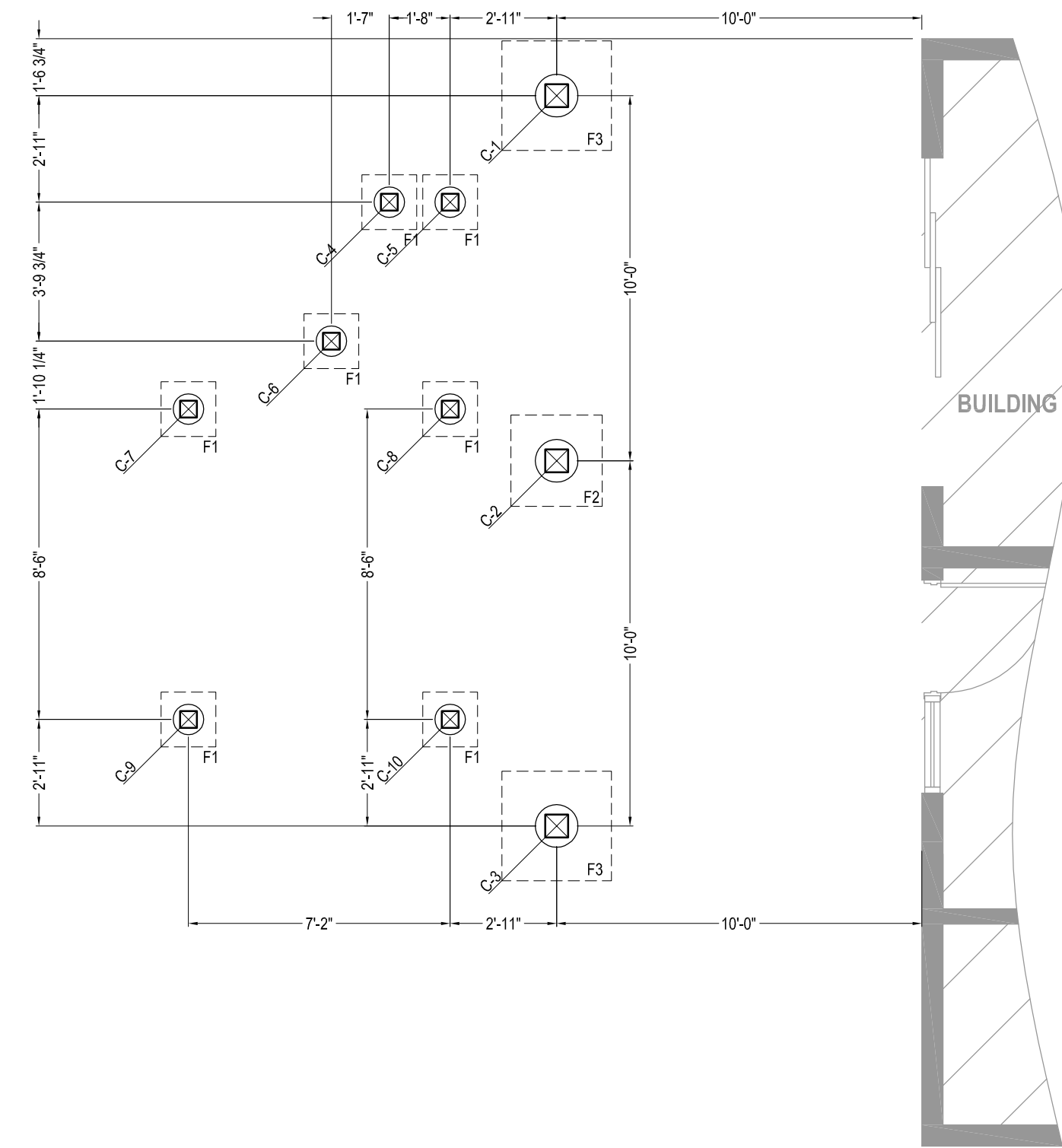


D-2 COLUMN DETAILS
NOT TO SCALE

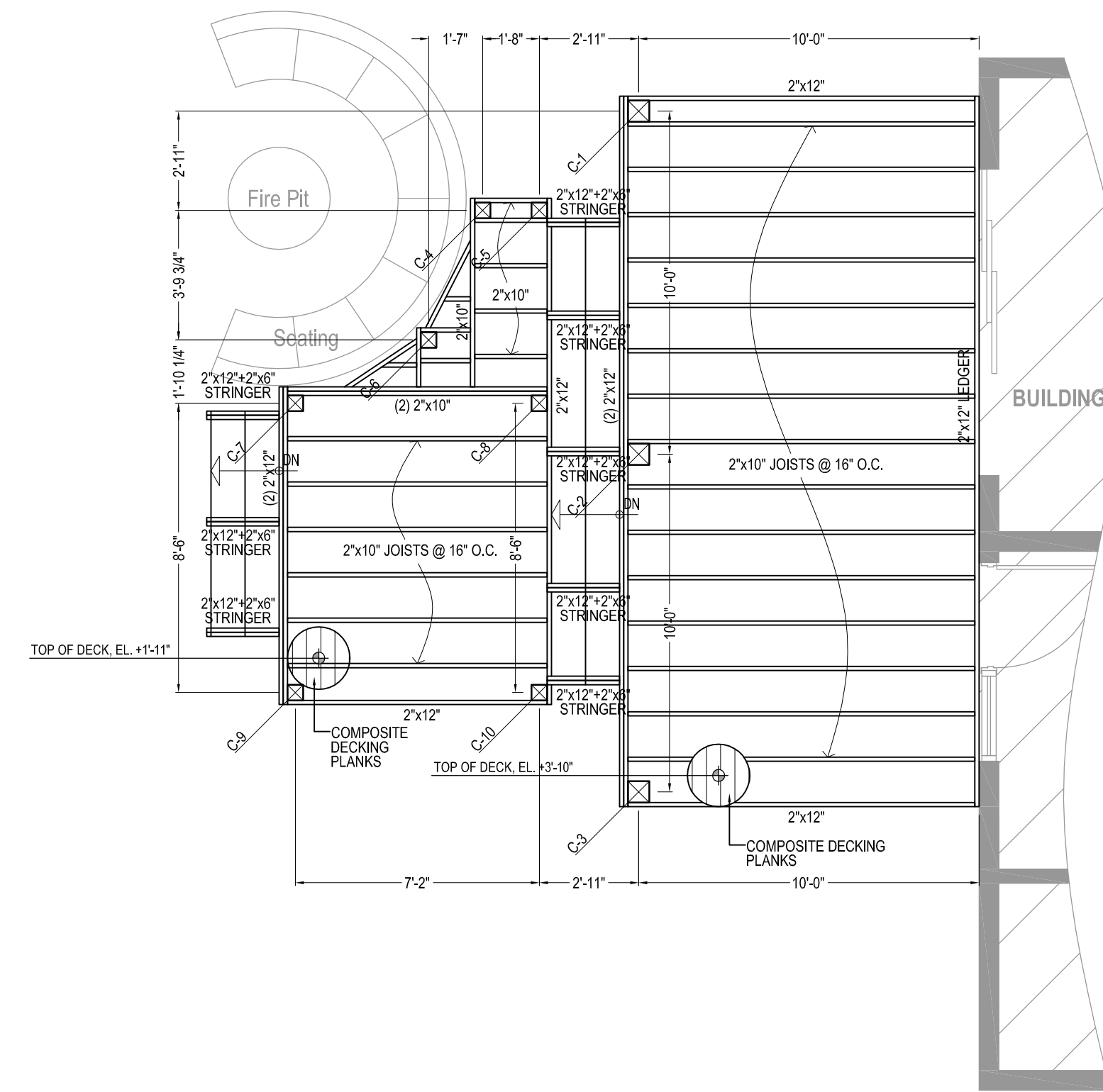
NOTE: ALL STRUCTURAL STEEL TO BE COATED WITH A RUST PROHIBITED PRIMER (3 MIL DRY THICKNESS MIN)



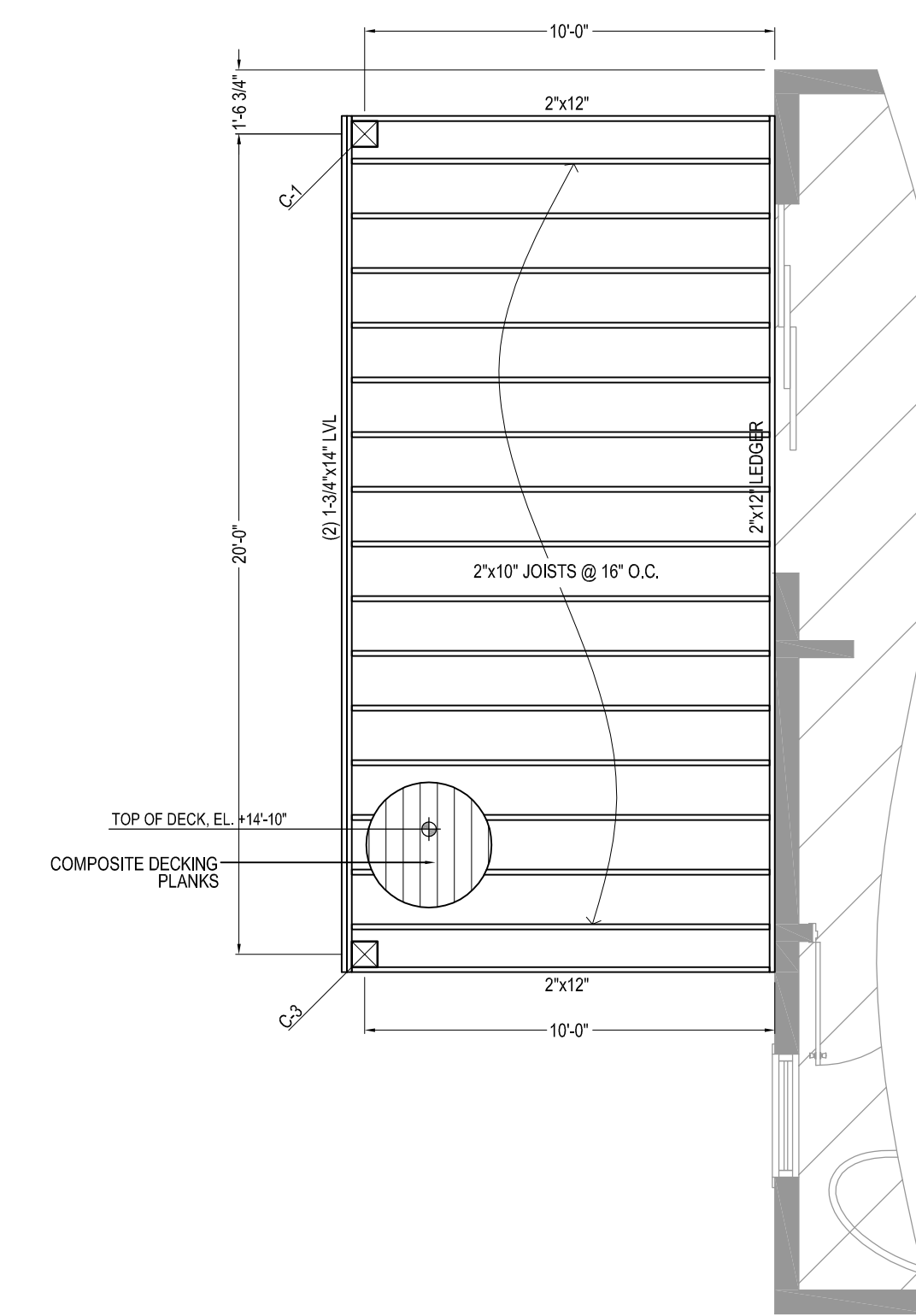
D-3 TREAD & RISER DETAIL
NOT TO SCALE



1 PROPOSED FOUNDATION PLAN
REAR DECK
SCALE 1/4"=1'-0"



2 PROPOSED FRAMING PLAN
REAR DECK - FIRST FLOOR
SCALE 1/4"=1'-0"



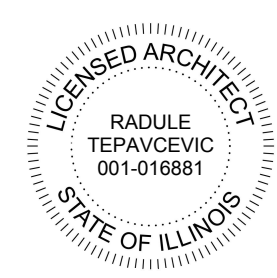
3 PROPOSED FRAMING PLAN
REAR BALCONY - SECOND FLOOR
SCALE 1/4"=1'-0"

NO.	DATE	DESCRIPTION
1	07/04/2023	Revise
2	07/04/2023	Permit

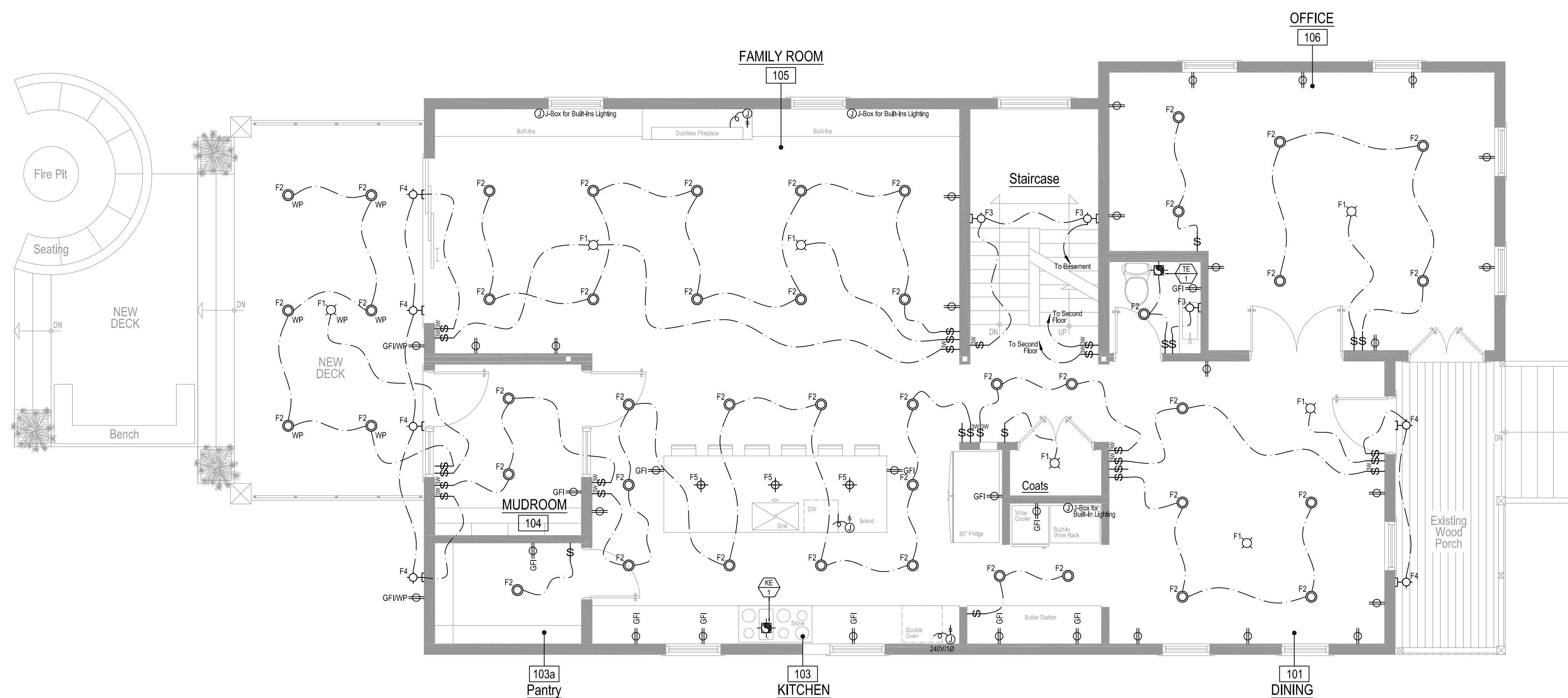
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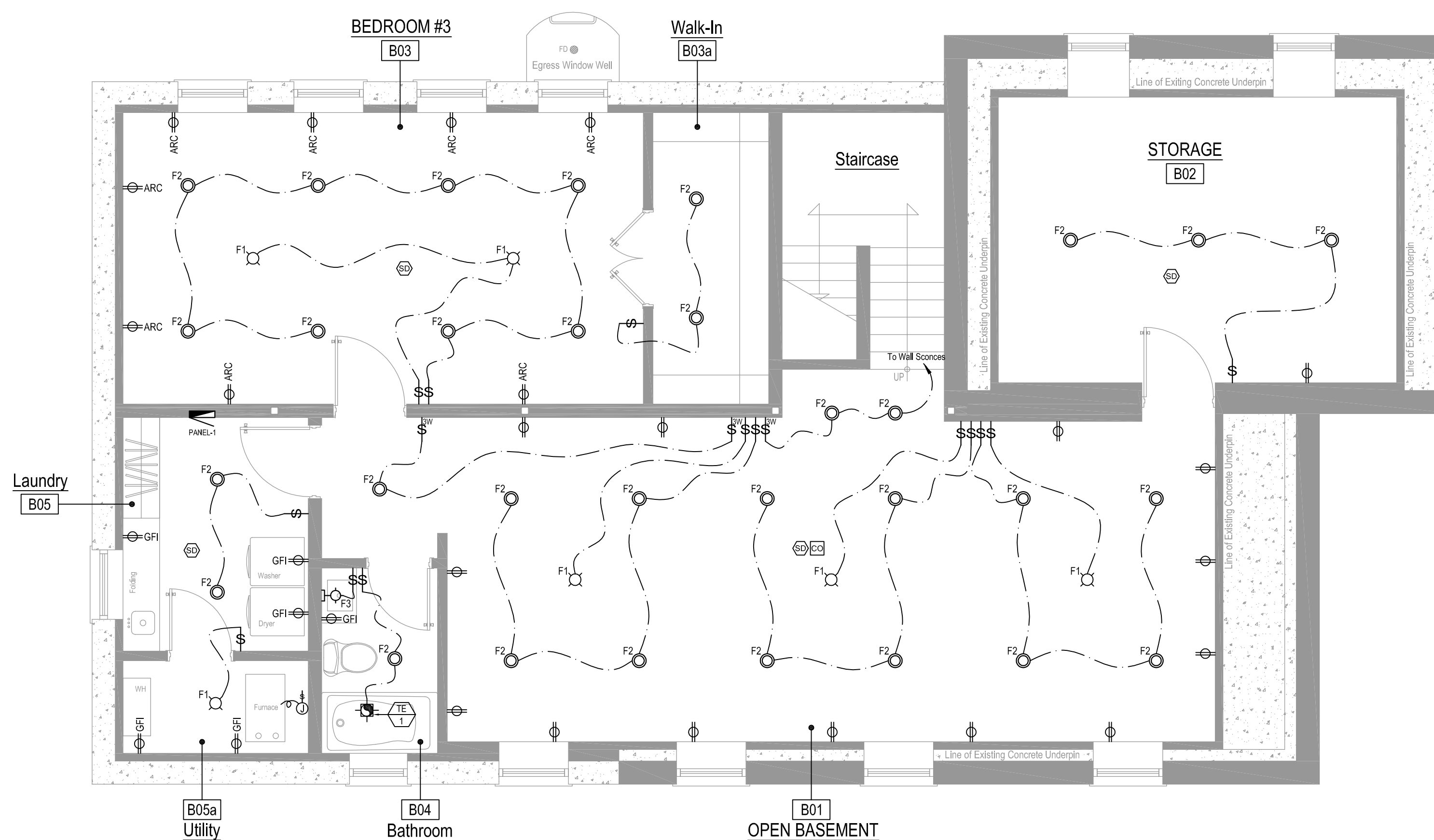
PROJECT ARCHITECT:
RT
DRAFTPERSON:
CS
APPROVED:
RT
PREPARED FOR:
OWNER
LOCATION:
223 Center Street
Naperville, IL 60540
JOB NUMBER:
223CS-07042023



SHEET No: **A-10**
SHEET Name:
Porch & Balcony Plans & Details



2 POWER & LIGHTING PLAN
FIRST FLOOR
 SCALE 1/4"=1'-0"



1 POWER & LIGHTING PLAN
BASEMENT
 SCALE 1/4"=1'-0"

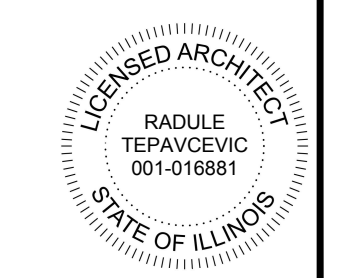
NO.	BY	DATE	DESCRIPTION
	RT	07/14/2023	Review
	RT	07/14/2023	Permit

Convert 2-Unit to Single Family Residence, Interior Rehab & New 2-Story Frame Addition including New Partitions, New Electrical, Mechanical & Plumbing Systems, New Roof System & New Rear Deck & Balcony per Plans.
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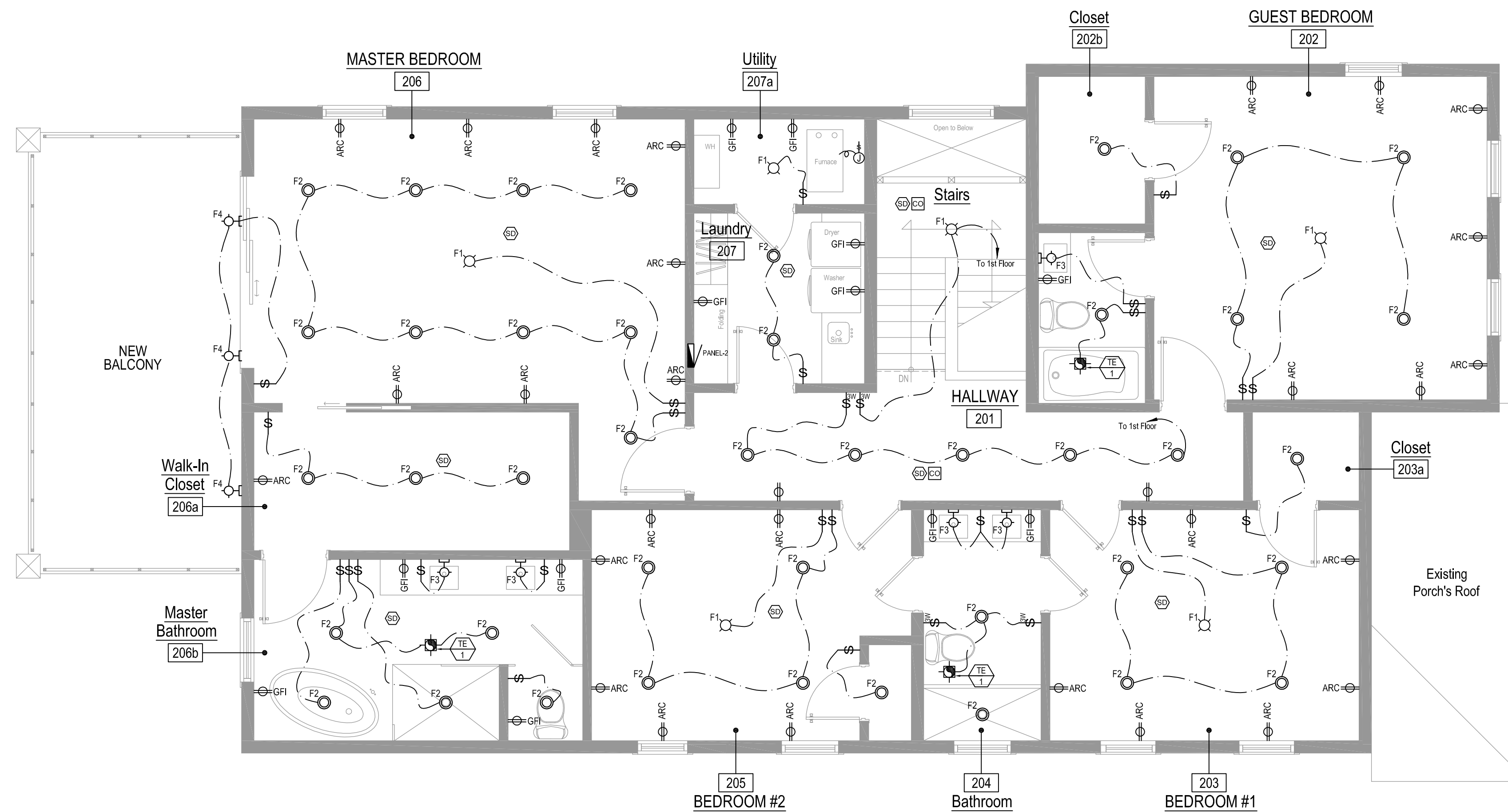
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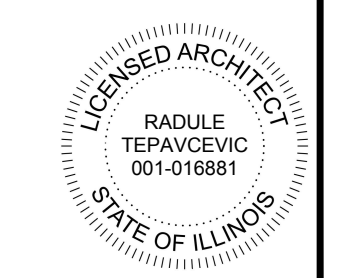
PROJECT ARCHITECT:
 RT
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 APPROVED:
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 OWNER
 LOCATION:
 223 Center Street
 Naperville, IL 60540
 JOB NUMBER:
 223CS-07042023



SHEET No: **E-01**
 SHEET Name:
Power & Lighting Plans



1 POWER & LIGHTING PLAN
SECOND FLOOR
SCALE 1/4"=1'-0"



REVISIONS		DATE	DESCRIPTION
NO.	BY	DATE	DESCRIPTION
1	RT	07/04/2023	Revised
2	RT	07/10/2023	Permit

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223 Center Street, Naperville Illinois 60540

R.T. ARCHITECT INC.

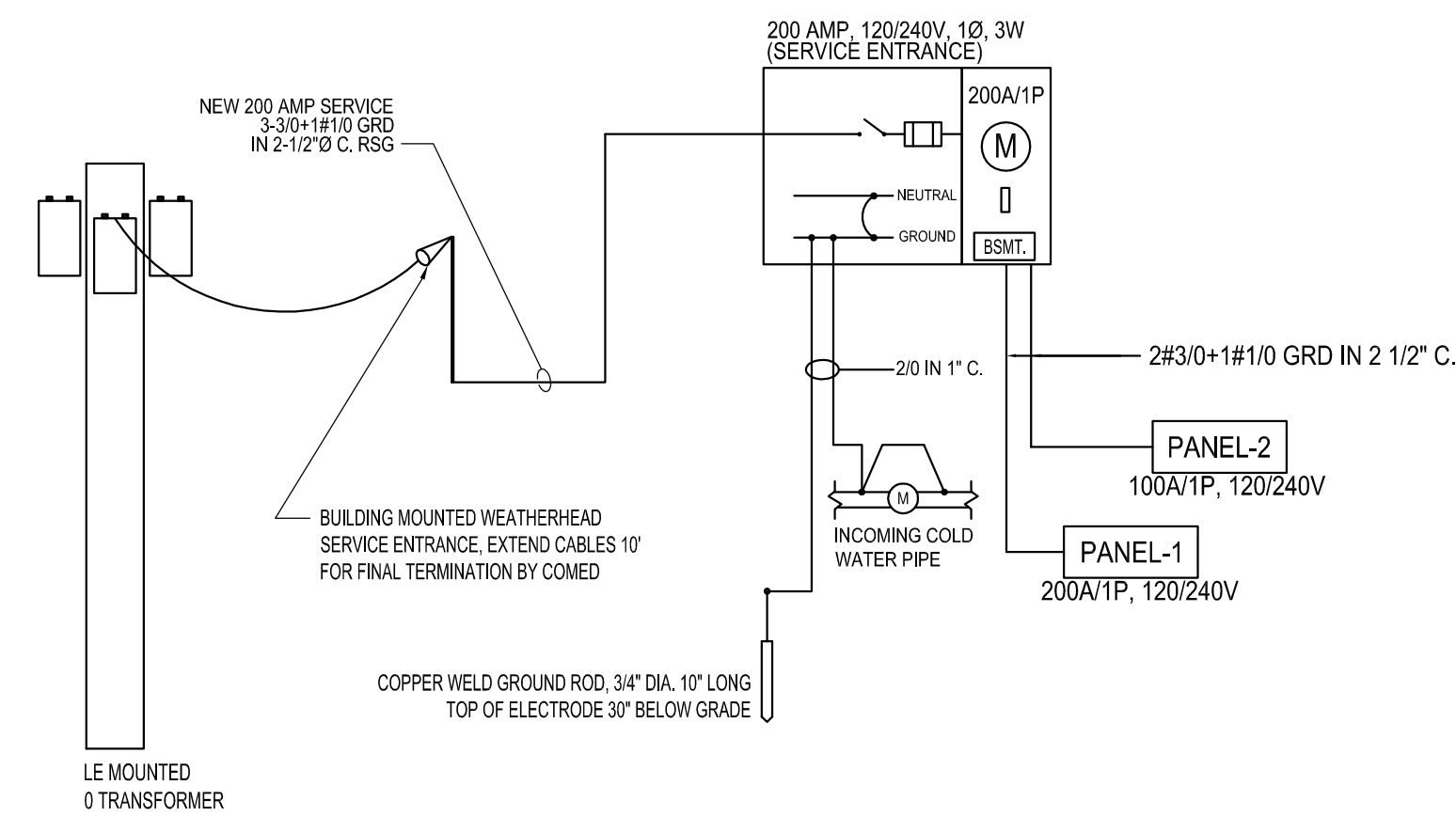
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OWNER
 LOCATION:
223 Center Street
Naperville, IL 60540
 JOB NUMBER:
223CS-07042023

SHEET No: E-02
 SHEET Name:
Power & Lighting Plans

ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY A LICENSED ELECTRICIAN IN THE CITY OF NAPERVILLE. ALL ELECTRICAL WORK MUST COMPLY WITH THE CITY OF NAPERVILLE ADOPTED ELECTRICAL CODE.
- ALL MATERIALS SHALL BE U.L. LISTED, AND APPROVED FOR THE PURPOSE INTENDED.
- OBTAIN AND PAY ALL FEES, TAXES, AND PERMITS REQUIRED FOR ELECTRICAL WORK. PREPARE AND SUBMIT TO THE CITY OF NAPERVILLE ANY AND ALL DATA, DRAWINGS, AND DETAILS WHICH MAY BE REQUIRED FOR APPROVAL PRIOR TO INSTALLATION OF SAME.
- FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND RELATED APPURTENANCES REQUIRED FOR ALL WORK INCLUDED AS PART OF THE ELECTRICAL INSTALLATION FOR THIS PROJECT.
- COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS AND DELAYS.
- FURNISH AND INSTALL ALL AUXILIARY SUPPORTS AND MATERIAL NECESSARY TO INSTALL EQUIPMENT, MATERIAL, LIGHTING FIXTURES, DEVICES, CONDUIT AND WIRING.
- ALL SYSTEMS WHICH ARE INCLUDED AS PART OF THE ELECTRICAL INSTALLATION FOR THIS PROJECT SHALL BE COMPLETE IN ALL DETAILS, INCLUDING ALL COMPONENTS REQUIRED FOR PROPER AND SATISFACTORY OPERATION.
- ALL WIRE SHALL BE INSTALLED IN CONDUIT. MINIMUM SIZE OF CONDUIT SHALL BE 1/2" I.D. LARGER SIZES SHALL BE USED WHERE REQUIRED BY ADOPTED ELECTRICAL CODE.
- ELECTRICAL METALLIC TUBING (EMT) MAY BE USED WITHIN CODE LIMITATIONS ON INTERIORS ONLY.
- CONDUITS SHALL BE CONCEALED IN ALL "FINISHED" AREAS. IN "UNFINISHED" AREAS CONDUITS MAY BE RUN EXPOSED, PARALLEL WITH OR PERPENDICULAR TO BUILDING LINES.
- FURNISH AND INSTALL ALL OUTLET BOXES RAISED COVERS, COVER PLATES, AND SUPPORTS AS REQUIRED.
- FURNISH AND INSTALL BREAKERS FOR ALL EQUIPMENT, INCLUDING EQUIPMENT FURNISHED BY OWNER AND OTHERS.
- ALL ELECTRICAL OUTLETS NEAR WATER MUST BE GFCI.
- ALL CLOSETS SHALL BE:
 - RECESSED LIGHTS WITH 6" CLEARANCE BETWEEN FIXTURE AND NEAREST POINT OF STORAGE SPACE.
 - NEAREST POINT OF STORAGE SPACE.
 - FLUORESCENT LIGHTS WITH 6" CLEARANCE BETWEEN FIXTURE AND NEAREST POINT OF STORAGE SPACE.
 - AND NEAREST POINT OF STORAGE SPACE.
 - INCANDESCENT LIGHTS WITH 12" CLEARANCE BETWEEN FIXTURE AND NEAREST POINT OF STORAGE SPACE.



1 ELECTRICAL SINGLE LINE DIAGRAM

CALCULATION FOR ELECTRICAL SERVICE

LIGHTING*

Basement 1,272 Sq.Ft. x 3 (W per Sq.Ft.)= 3,816 W
 1st Floor 1,543 Sq.Ft. x 3 (W per Sq.Ft.) = 4,629 W
 2nd Floor 1,510 Sq.Ft. x 3 (W per Sq.Ft.) = 4,530 W

POWER*

Basement 1,272 Sq.Ft. x 4 (W per Sq.Ft.)= 5,088 W
 1st Floor 1,543 Sq.Ft. x 4 (W per Sq.Ft.) = 6,172 W
 2nd Floor 1,510 Sq.Ft. x 4 (W per Sq.Ft.) = 6,040 W

MOTOR LOAD @ 100% = 18,000 W

25% MOTOR LOAD = 4,500 W

TOTAL LOAD = 52,775 W

(52,775 W/240V)*0.80 = 176 AMPS
SELECTED 200 AMPS

*FROM MECHANICAL AND ELECTRICAL SYSTEMS IN BUILDINGS BY RICHARD R. LEWIS AND ALD. TABLE 13-3 PG. 419

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊞	NEW SINGLE POLE LIGHT SWITCH 4-Ø" ABOVE FINISH FLOOR (TYP.)	F2 ○	NEW RECESSED CAN LIGHT
SD	NEW CEILING MOUNTED HARDWIRED SMOKE DETECTOR W/BATTERY BACK UP	F3 }-◇	NEW WALL MOUNTED LIGHT FIXTURE
CO	NEW CEILING-MTD HARDWIRED CARBON MONOXIDE DETECTOR W/BATTERY BACK UP	F4 }-◇	NEW WALL MOUNTED WEATHERPROOF LIGHT FIXTURE "MS" TAG FOR MOTION SENSOR ACTIVATED FIXTURES.
⊞	NEW EXHAUST FAN - SINGLE PHASE	F5 ⊞	NEW CEILING MOUNTED PENDANT LIGHT FIXTURE
⊞	NEW 120V, 1Ø, WALL-MOUNTED DUPLEX GROUND OUTLET 19" ABOVE FLOOR (TYP.)	□	NEW ELECTRICAL PANEL
⊞	NEW 120V, 1Ø, WALL-MOUNTED DUPLEX GROUND FAULTED INTERRUPTOR OUTLET	□	NEW ELECTRICAL METER
⊞	NEW 120V, 1Ø, WALL-MOUNTED DUPLEX ARC-FAULTED INTERRUPTOR OUTLET	⊞	EMERGENCY LIGHT w/ BATTERY BACKUP
F1 □	NEW CEILING MOUNTED LIGHT FIXTURE. "PC" TAG FOR PHOTOVOLTAIC SENSOR ACTIVATED FIXTURES.	⊞	EXIT SIGN w/ BATTERY BACKUP

PANELBOARD SCHEDULE, PANEL-1

PANEL MTG.	WALL MOUNTED	VOLTAGE	120/240 V	PANEL DIMENSIONS
MAIN FUSE	200 AMP BREAKER	LOCATION	BASMENT	HEIGHT AS REQD.
		PHASE	1Ø (3W)	WIDTH
		FEEDER SIZE	SEE ONE LINE DIAGRAM	DEPTH
		NO. OF CCTS.	3Ø	SERVED FROM METER
		GR. BAR	YES	DESIGNED LOAD 48.00 KW
		ISO. GR.	NO	
		CCT#	CCT#	CCT#
		AMP	AMP	AMP
		WATTS	WATTS	WATTS
		A	B	
1	15	GEN. LIGHTING (BSMT.)	15	2
3	15	GEN. LIGHTING (BSMT.)	212	4
5	15	GEN. LIGHTING (1st FL.)	212	6
7	15	GEN. LIGHTING (1st FL.)	212	8
9	15	GEN. LIGHTING (1st FL.)	212	10
11	20	RECEPTACLE (BSMT.)	2480	12
13	20	RECEPTACLE (BSMT.)	2480	14
15	20	RECEPTACLE (1st FL.)	2480	16
17	20	RECEPTACLE (1st FL.)	2480	18
19	20	RECEPTACLE (1st FL.)	2480	20
21	20	BSMT. EQUIPMENT	220	22
23	20	RECEPTACLE (1st FL.)	2480	24
25	20	DOUBLE OVEN	4000	26
27	20	FURNACE (FUR-1)	4500	28
29	20	FURNACE (FUR-1)	4500	30
		TOTAL WATTS / PHASE	20,016	38.95 KW
		DEMAND FACTOR	0.81	
		SPARE LOAD FACTOR	1.19	
		TOTAL CONN. LOAD		38.95 KW
		REMARKS:		

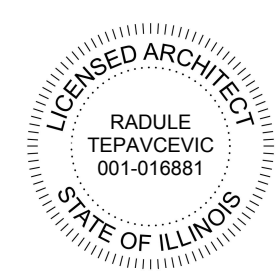
PANELBOARD SCHEDULE, PANEL-2

PANEL MTG.	WALL MOUNTED	VOLTAGE	120/240 V	PANEL DIMENSIONS
MAIN FUSE	100 AMP BREAKER	LOCATION	SECOND FLOOR	HEIGHT AS REQD.
		PHASE	1Ø (3W)	WIDTH
		FEEDER SIZE	SEE ONE LINE DIAGRAM	DEPTH
		NO. OF CCTS.	2Ø	SERVED FROM METER
		GR. BAR	YES	DESIGNED LOAD 24.00 KW
		ISO. GR.	NO	
		CCT#	CCT#	CCT#
		AMP	AMP	AMP
		WATTS	WATTS	WATTS
		A	B	
1	15	GEN. LIGHTING (2nd FL.)	1943	2
3	15	GEN. LIGHTING (2nd FL.)	1943	4
5	15	GEN. LIGHTING (2nd FL.)	1943	6
7	20	RECEPTACLE (2nd FL.)	2100	8
9	20	RECEPTACLE (2nd FL.)	2100	10
11	20	RECEPTACLE (2nd FL.)	2100	12
13	20	RECEPTACLE (2nd FL.)	2100	14
15	20	2nd FL. EQUIPMENT	2500	16
17	20	FURNACE	5500	18
19	20	FURNACE	5500	20
		TOTAL WATTS / PHASE	11,586	23.43 KW
		DEMAND FACTOR	0.88	
		SPARE LOAD FACTOR	1.12	
		TOTAL CONN. LOAD		23.43 KW
		REMARKS:		

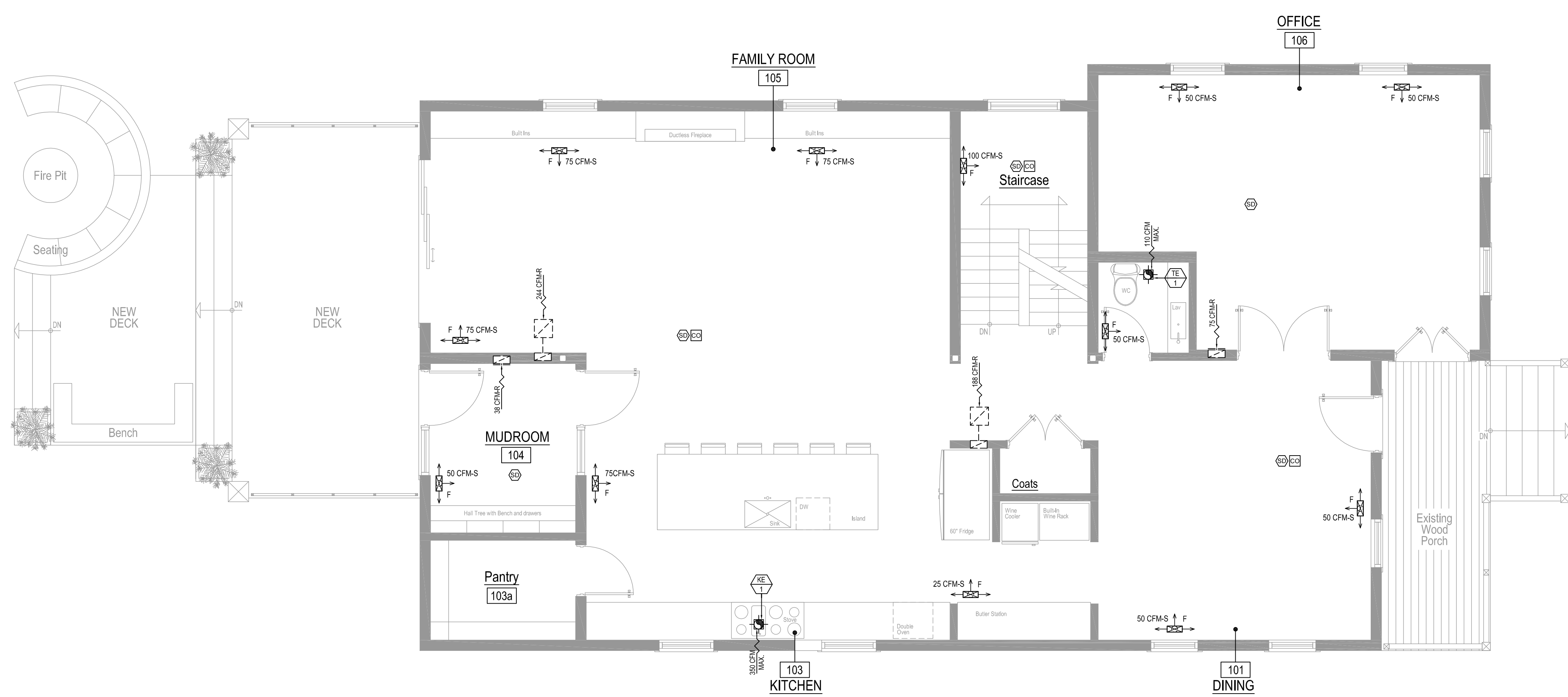
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 223CS-07042023

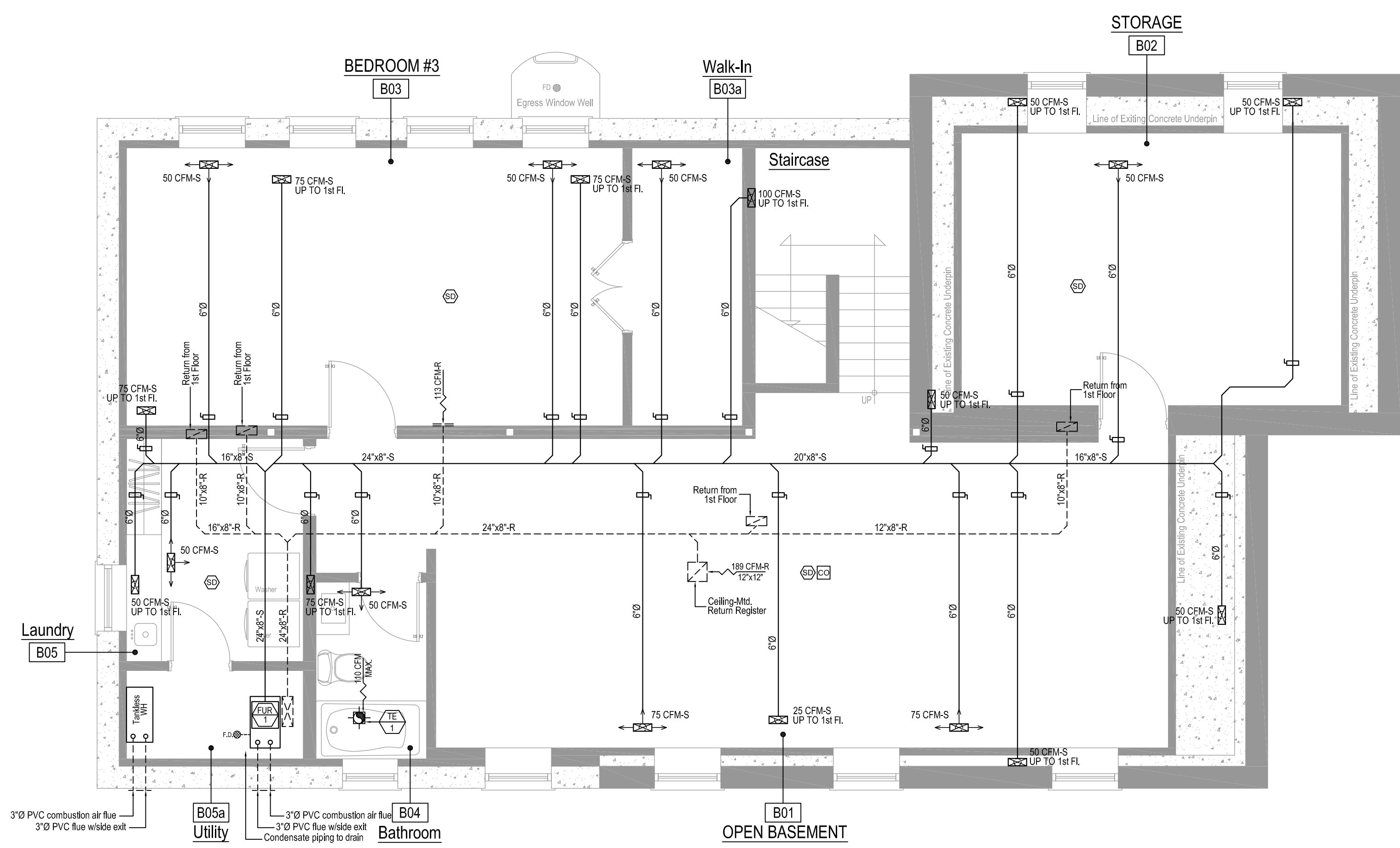


SHEET No.: **E-03**
 SHEET Name:
Riser Diagram, Load Calc's & Schedules & Panelboards



2 MECHANICAL PLAN
FIRST FLOOR

SCALE 1/4"=1'-0"



1 MECHANICAL PLAN
BASEMENT

SCALE 1/4"=1'-0"

NO.	BY	DATE	DESCRIPTION
1	RT	07/14/2023	Review
2	RT	07/14/2023	Permit

Convert 2-Unit to Single Family Residence, Interior Rehab & New 2-Story Frame Addition including New Partitions, New Electrical, Mechanical & Plumbing Systems, New Roof System & New Rear Deck & Balcony per Plans.
223 Center Street, Naperville Illinois 60540

R.T. ARCHITECT INC.

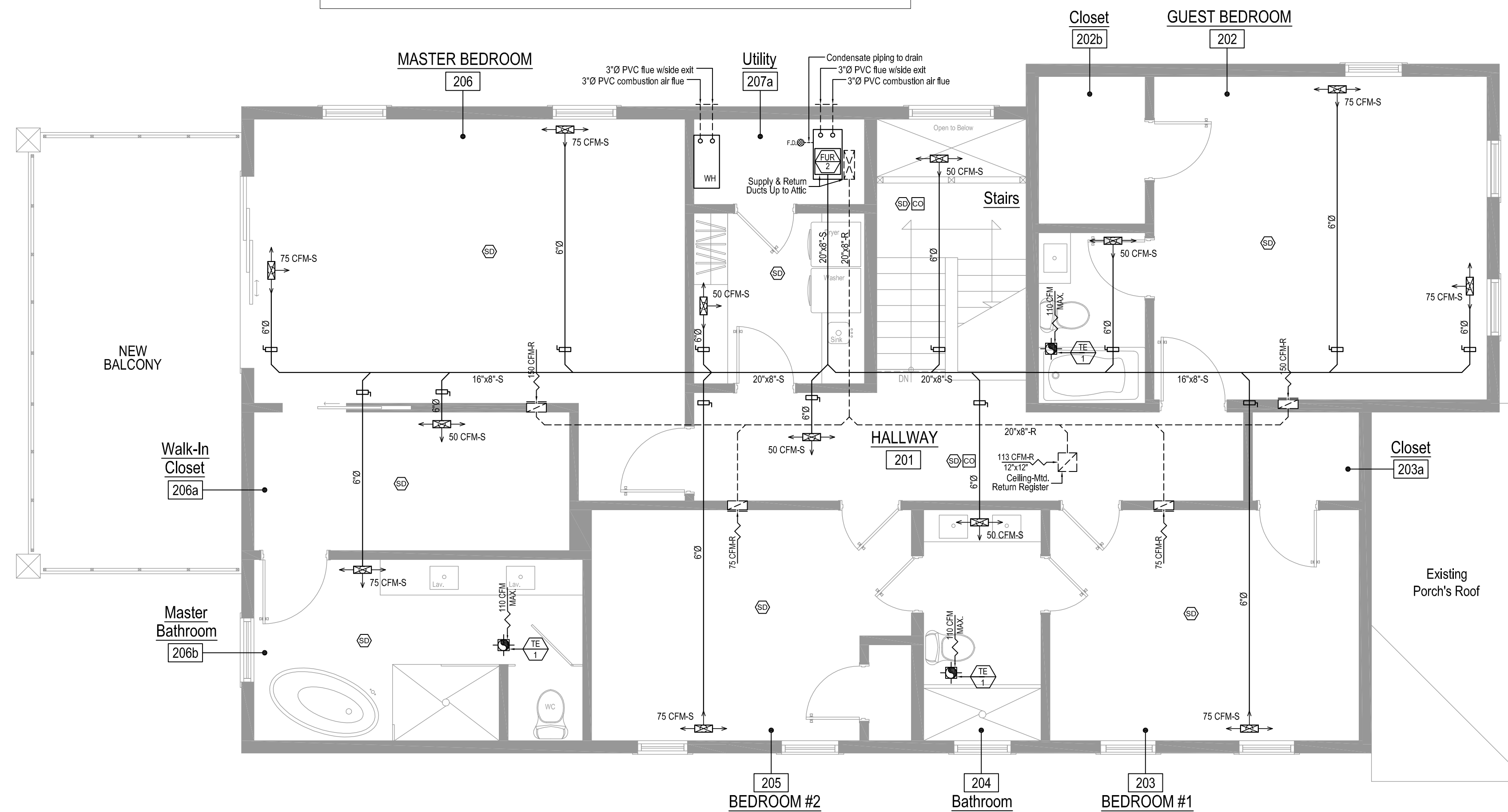
RADULE TEPAVCEVIC
7501 BROWN AVE., SUITE A
FOREST PARK, IL 60130
TEL: (312) 217-8653
rtspavcevic@aol.com

PROJECT ARCHITECT:
RT
DRAFTPERSON:
CS
APPROVED:
RT
PREPARED FOR:
OWNER
LOCATION:
223 Center Street
Naperville, IL 60540
JOB NUMBER:
223CS-07042023



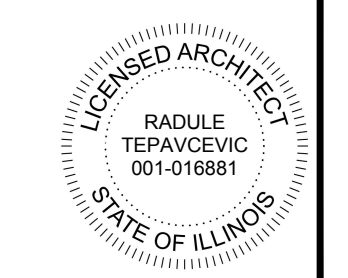
SHEET No: **M-01**
SHEET Name:
Mechanical Plans

FURNACE FUR-2 RELATED SUPPLY AND RETURN DUCTWORK TO BE LOCATED ABOVE SECOND FLOOR CEILING IN ATTIC SPACE. ALL DUCTWORK IN UNHEATED SPACES MUST BE PROTECTED AGAINST THE ELEMENTS.



1 MECHANICAL PLAN
SECOND FLOOR

SCALE 1/4"=1'-0"



NO.	BY	DATE	DESCRIPTION
	RT	07/04/2023	Revised
	RT	07/04/2023	Permit

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JOB NUMBER:
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SHEET No: **M-02**
SHEET Name:
Mechanical Plans

MECHANICAL EQUIPMENT SCHEDULE																		
TAG	SERVICE	UNIT DATA					HEATING DATA				CONNECTIONS		BLOWER PERFORMANCE					
		MANUF.	MODEL #	EFF.	TONS	UNIT WEIGHT	HEAT SOURCE	V / Ø / Hz	AIR FLOW (CFM)	HEATING INPUT HIGH (Kw)	HEATING OUTPUT HIGH (Kw)	TEMP. RISE RANGE HIGH (°F)	FLUE CONN.	GAS PIPE SIZE (IN)	AIR VOLUME (CFM)	TONS ADD-ON COOLING	FAN DIA (IN)	MOTOR HP
FUR-1	BSMT & 1ST	GOODMAN	GM996-120SDN	96%	1.5-3	156 LB.	NAT. GAS	120/160	750-1954	120,000	115,320	35-65	3" PVC	1/2	750-1954	3-5	11x11	1
FUR-2	SECOND FL.	GOODMAN	GM996-0603BN	96%	1.5-3	118 LB.	NAT. GAS	120/160	512-1060	60,000	57,660	35-65	3" PVC	1/2	512-1060	1.5-3	11x8	1/2

- ALL FURNACES TO BE PROVIDED WITH PLENUM MOUNTED HUMIDIFIER, APRIL AIR MDL #550, WITH ALL NECESSARY WATER & DRAIN PIPING; INTERLOCK TO HEATING CYCLE.
- ALL FURNACE UNITS TO BE PROVIDED WITH ROOM THERMOSTAT AND SUBBASE WITH ALL CONTROL WIRING.
- ALL EXHAUST FANS TO BE PROVIDED WITH INTEGRATED DAMPER.

REFRIGERATION SCHEDULE											
TAG	SERVICE	COMP. TON	COMP. HP	REFRIG.	WT. REFRIG.	REMOTE	SELF CONT.	LOCATION	AIR COOLED	WATER COOLED	SPECIAL
CU-1	BSMT & 1ST FL.	3.5	3.5	R-410A	12 LB	⊗	---	GROUND	⊗	---	---
CU-2	2ND FL.	2.0	2.0	R-410A	12 LB	⊗	---	GROUND	⊗	---	---

EXHAUST FAN SCHEDULE												
TAG	SYSTEM	LOCATION	MANUFAC.	MODEL #	TYPE	PERFORMANCE			ELECTRICAL DATA			
						CFM	SONES	DUCT SIZE (IN)	DISCHARGE DIRECTION	HP OF WATTS	V / Ø / Hz	AMPS
TE-1	BATH EXHAUST	CEILING	BROAN	LoSone #100	RECESSED	110	0.90	3	SIDE	87 W	120/160	1.1
KE-1	RANGE HOOD	KITCHEN	Per Owner	---	---	350 max.	0.3-3.0	4" B"	UP	---	120/160	---

LIGHT AND VENTILATION SCHEDULE																	
FLOOR	ROOM / NUMBER	AREA (SQ. FT.)	ORDINANCE REQ'D (SQ. FT.)		ACTUAL (SQ. FT.)		ORDINANCE REQ'D (CFM)		ACTUAL (CFM)		SUPPLY EQUIP.	EXHAUST EQUIP.	METHOD OF CALCULATION	ACTUAL HEAT LOSS (BTU/HR)	CFM TO HEAT -10°F TO 70°F	CFM SUPPLY	HEAT PROVIDED BTU's
			NAT. LIGHT	NAT. VENT	NAT. LIGHT	NAT. VENT	SUPPLY	EXHAUST	SUPPLY	EXHAUST							
BASEMENT & FIRST	BASEMENT - B01	460.00	N/R	9.20	24.48	24.48	147	110	150	113	FUR-1	FUR-1	ASHRAE	18,400.00	110	150	120,000
	STORAGE - B-02	212.00	N/R	N/R	12.24	12.24	50	38	50	0	FUR-1	N/A		8,480.00	38	50	
	BEDROOM #3 - B03	282.00	22.56	11.28	30.69	30.69	90	68	100	75	FUR-1	FUR-1		11,280.00	68	100	
	WALK-IN CLOSET - B03a	63.00	N/R	N/R	0.00	0.00	50	38	50	38	FUR-1	FUR-1		2,520.00	38	50	
	BATHROOM - B04	40.00	N/R	N/R	6.12	6.12	50	100	50	38/110	FUR-1	FUR-1/TE-1		1,600.00	100	50	
	LAUNDRY - B05	60.00	N/R	N/R	6.12	6.12	50	38	50	38	FUR-1	FUR-1		3,200.00	38	50	
	DINING ROOM - 101	232.00	18.56	9.28	34.98	17.49	74	56	100	75	FUR-1	FUR-1		9,280.00	56	100	
	KITCHEN - 102	307.00	24.56	12.28	26.40	13.20	98	196	100	75/550	FUR-1	FUR-1/KE-1		12,280.00	196	100	
	MUDROOM - 103	66.00	N/R	N/R	22.00	24.00	50	38	50	38	FUR-1	FUR-1		2,640.00	38	50	
	FAMILY ROOM - 104	382.00	30.56	15.28	30.40	55.86	122	92	225	169	FUR-1	FUR-1		15,280.00	92	225	
	STAIRCASE - 105	82.00	N/R	N/R	50.34	0.00	50	38	100	75	FUR-1	FUR-1		3,280.00	38	100	
	OFFICE - 106	290.00	23.20	11.60	46.64	23.32	93	70	100	75	FUR-1	FUR-1		11,600.00	70	100	
POWDER ROOM - 107	25.00	N/R	N/R	0.00	0.00	50	100	50	38/110	FUR-1	FUR-1/TE-1		1,000.00	100	50		
TOTAL SYSTEM		2,521.00	119.44	68.92	350.41	213.52	974.96	979.02	1,175.00	847.00			ASHRAE	100,840.00	979	1,175	120,000
SECOND	HALLWAY - 201	122.00	N/R	N/R	0.00	0.00	59	44	100	75	FUR-2	FUR-2	ASHRAE	4,880.00	44	100	60,000
	GUEST BEDROOM - 202	237.00	18.96	9.48	34.98	17.49	114	85	150	113	FUR-2	FUR-2		9,480.00	85	150	
	BATHROOM - 202a	40.00	N/R	N/R	0.00	0.00	50	38	50	38/110	FUR-2	FUR-2/TE-1		1,600.00	38	50	
	BEDROOM #1 - 203	157.00	12.56	6.28	23.32	11.66	75	57	75	57	FUR-2	FUR-2		6,280.00	57	75	
	BATHROOM - 204	60.00	N/R	N/R	11.66	5.83	50	38	50	38/110	FUR-2	FUR-2/TE-1		2,400.00	38	50	
	BEDROOM #2 - 205	150.00	12.00	6.00	23.32	11.66	72	54	75	54	FUR-2	FUR-2		6,000.00	54	75	
	MASTER BEDROOM - 206	295.00	23.60	11.80	30.40	55.86	142	106	150	113	FUR-2	FUR-2		11,800.00	106	150	
	WALK-IN-CLOSET - 206a	96.00	N/R	N/R	0.00	0.00	50	38	50	38	FUR-3	FUR-2		3,840.00	38	50	
	MASTER BATHROOM - 206b	131.00	N/R	N/R	11.66	5.83	63	47	75	57/110	FUR-2	FUR-2/TE-1		5,240.00	47	75	
	LAUNDRY - 207	71.00	N/R	N/R	0.00	0.00	50	38	50	38	FUR-2	FUR-2		2,840.00	38	50	
TOTAL SYSTEM		1,359.00	67.12	33.56	195.34	108.33	724	543	825	621.00			ASHRAE	54,360.00	543	825	60,000

MECHANICAL GENERAL NOTES

- ALL NEW MECHANICAL WORK SHALL COMPLY WITH STATE AND VILLAGE BUILDING CODES, LATEST EDITION, AND SHALL BE LEFT IN PERFECT OPERATING CONDITIONS.
- PROVIDE GAS SERVICE WITH SHUT-OFF VALVE TO ALL GAS FIRED EQUIPMENT. ALL GAS PIPING SHALL BE BLACK STEEL, SCHEDULE 40 WITH MALLEABLE FITTINGS.
- PROVIDE VOLUME DAMPERS AT ALL DUCTWORK SUPPLY LINES.
- ALL GAS LINES MUST BE PRESSURE TESTED.
- THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE OSHA STANDARDS.
- THIS CONTRACTOR SHALL COORDINATE WORK WITH GENERAL CONTRACTOR AND ALL OTHER TRADES TO AVOID INTERFERENCE DURING CONSTRUCTION.
- ALL CONTROL WIRING SHALL BE BY THIS CONTRACTOR.
- ALL REFRIGERANT PIPING SHALL BE INSULATED WITH 1/2" ARMAFLEX.
- PROVIDE CARBON MONOXIDE DETECTORS AS SPECIFIED ON DRAWINGS.
- DUCTWORK PENETRATIONS THRU WALLS/CEILING BETWEEN CONFINED SPACES MUST BE TIGHT-SEALED TO PREVENT FIRE SPREADING.
- MECHANICAL DRAWINGS ARE SCHEMATIC FOR PERMIT PROCESS ONLY. VERIFY WITH MECHANICAL CONTRACTOR.
- ALL EQUIPMENT MUST BE AS SPECIFIED OR EQUAL IN ITS PERFORMANCE, CAPACITY AND APPROVED BY THE VILLAGE.
- COMBUSTION AIR DUCTS SHALL BE OF GALVANIZED STEEL. SERVE A SINGLE APPLIANCE ENCLOSURE AND MUST CONFORM WITH THE VILLAGE CODE.
- ANY CHANGE OR DEVIATION IN THE MECHANICAL SPECIFICATIONS MUST BE SUBMITTED IN WRITING TO THE ENGINEER/ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- DOWNFLOW EXHAUST DUCTS NOT PERMITTED.

SHEET METAL NOTES

- ALL DUCTWORK MUST BE GALVANIZED IRON, GAUGES PER ASHRAE GUIDE, UNLESS OTHERWISE NOTED. ALL SQUARE ELBOWS TO HAVE DOUBLE THICKNESS TYPE TURNING VANES, UNLESS OTHERWISE NOTED. ALL ROUND ELBOWS SHALL HAVE INSIDE RADIUS EQUAL TO 75% OF DUCT WIDTH. MANUAL VOLUME DAMPERS TO HAVE LOCKING QUADRANT.
- DIFFUSER GRILLES, AND REGISTERS: EACH REGISTER SHALL BE FURNISHED WITH AN OPPOSING BLADE VOLUME DAMPER WITH ADJUSTABLE AIR RETURN LOUVER.
- ALL DUCTWORK IN UNHEATED AREAS SHALL BE ADEQUATELY PROTECTED AGAINST THE ELEMENTS.

VENT NOTES

- VENTS SHALL TERMINATE NOT LESS THAN 2 FEET ABOVE THE HIGHEST POINT OF THE ROOF PENETRATION AND NOT LESS THAN 2 FEET HIGHER THAN ANY PORTION OF A BUILDING WITHIN 10 FEET.
- HORIZONTAL TERMINATIONS FOR VENTS ARE PERMITTED ON CATEGORY IV APPLIANCES ONLY AND SHALL BE LOCATED PER APPLICABLE CODE.

COMBUSTION AIR DUCTS

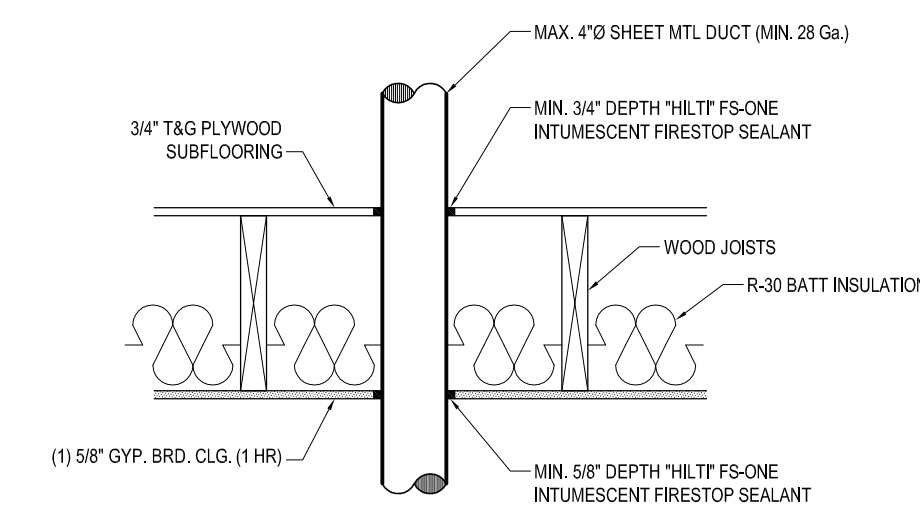
- COMBUSTION AIR DUCTS SHALL:
- BE OF GALVANIZED STEEL, COMPLYING WITH CHAPTER 8 OR OF EQUIVALENT CORROSION RESISTANT MATERIAL APPROVED FOR THIS APPLICATION.
 - HAVE A MINIMUM CROSS-SECTIONAL DIMENSION OF 3 INCHES.
 - TERMINATE IN AN UNOBSTRUCTED SPACE ALLOWING FREE MOVEMENT OF COMBUSTION AIR TO THE APPLIANCES.
 - HAVE THE SAME CROSS-SECTIONAL AREAS AS THE FREE AREA OF THE OPENINGS TO WHICH THEY CONNECT.
 - SERVE A SINGLE APPLIANCE ENCLOSURE.
 - NOT SLOPE DOWNWARD TOWARD THE SOURCE OF COMBUSTION AIR.

REFRIGERATION NOTES

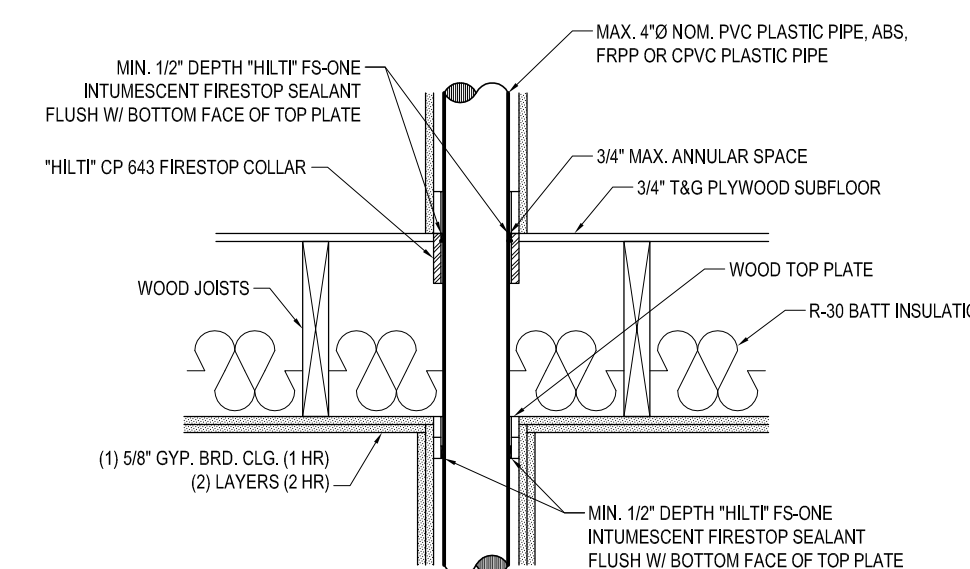
- REFRIGERATION PIPING:
- COPPER TUBING MAY BE TYPE ACR OR TYPE "K" UNLESS THE PRESSURE EXCEEDS THE RATED CAPACITY OF ACR TUBING.
 - ALL JOINTS & CONNECTIONS TO BE BRAZED.
 - REMOVE EXPANSION VALVES, DEVICES, AND CONNECTIONS FROM THE AIR STREAM.
 - INSTALL PRESSURE RELIEF VALVE ON HIGH PRESSURE SIDE OF SYSTEM, UPSTREAM OF ANY INTERFERING VALVES.

CONDENSATE PIPING NOTES

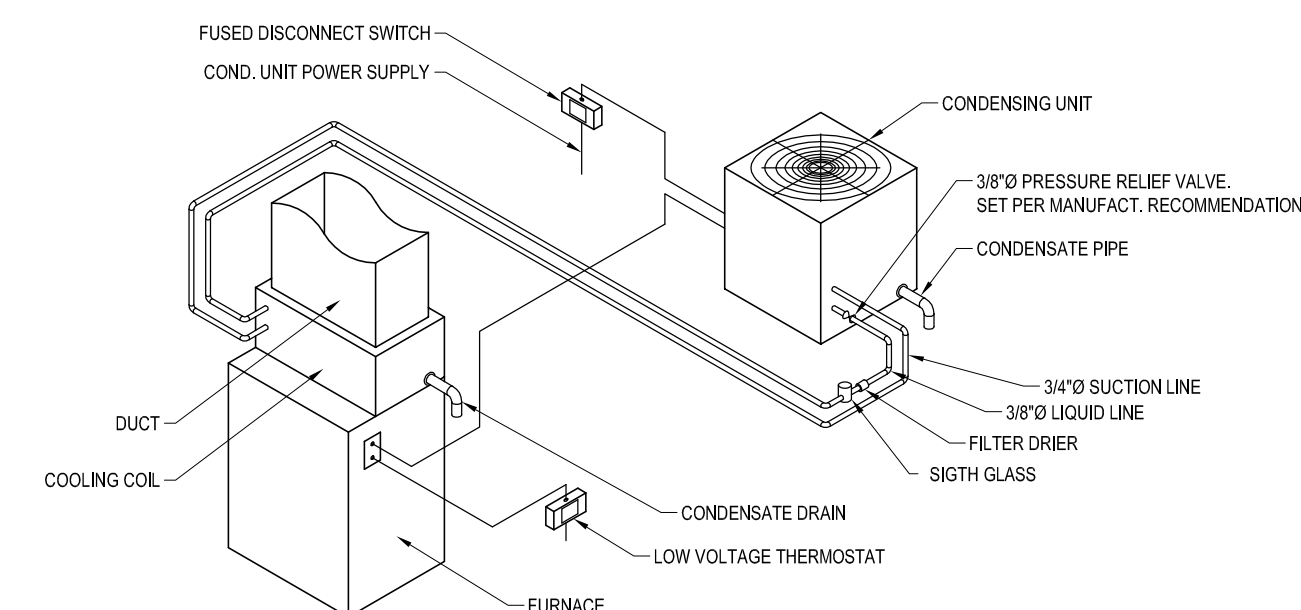
- FUEL-BURNING, EVAPORATIVE & COOLING DEVICES THAT PRODUCE CONDENSATE MUST BE DRAINED. CONDENSATE SHALL BE COLLECTED AND DISCHARGED TO AN APPROVED PLACE OF DISPOSAL. CONDENSATE PIPING SHALL BE TYPE M COPPER OR SCHEDULE 40 PVC AND SHALL NOT BE SMALLER THAN THE DRAIN CONNECTION ON THE APPLIANCE SUCH PIPE SHALL MAINTAIN A MIN. HORIZONTAL SLOPE IN THE DIRECTION OF DISCHARGE OF NOT LESS THAN ONE-EIGHT UNIT VERTICAL IN 12 UNITS HORIZ.
- OVERFLOW DRAINS SHOULD DISCHARGE IN A CONSPICUOUS LOCATION.



2 METAL DUCT THRU-PENETRATION
FIRE STOP SYSTEM # FC-7013, 1 HR. RATING NTS



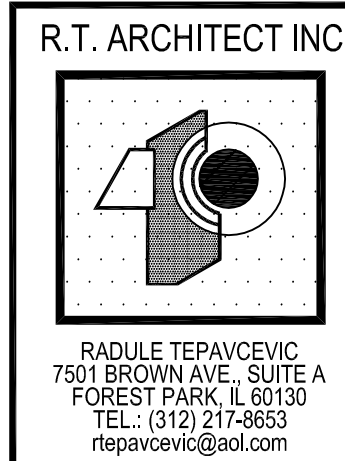
3 PLASTIC PIPE THRU-PENETRATION
FIRE STOP SYSTEM # FC-2025, 1 & 2 HR. RATING NTS



2 SPLIT SYSTEM DIAGRAM NTS

NO.	BY:	DATE:	DESCRIPTION:
	RT	07/04/2023	Review
	RT	07/04/2023	Permit

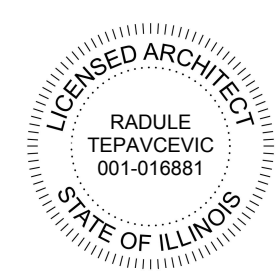
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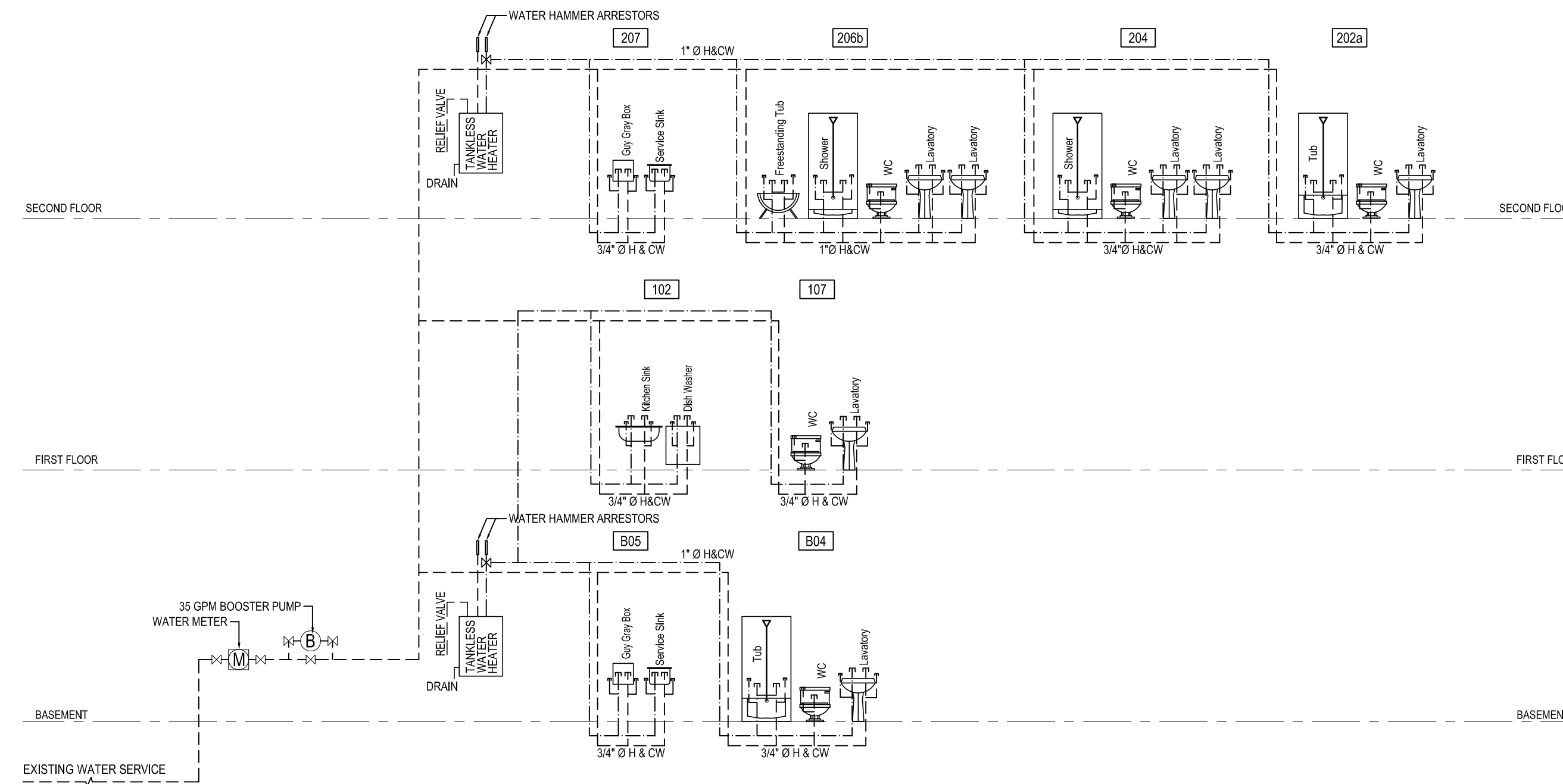
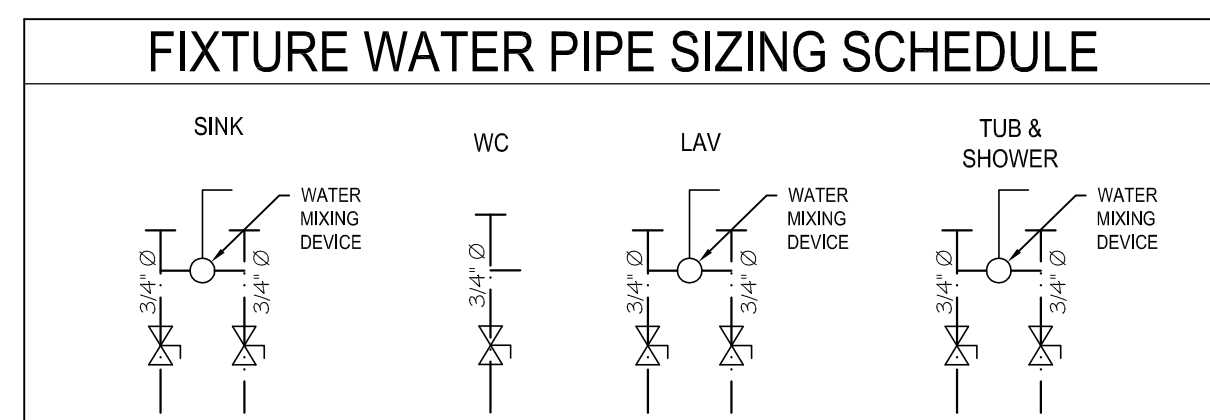
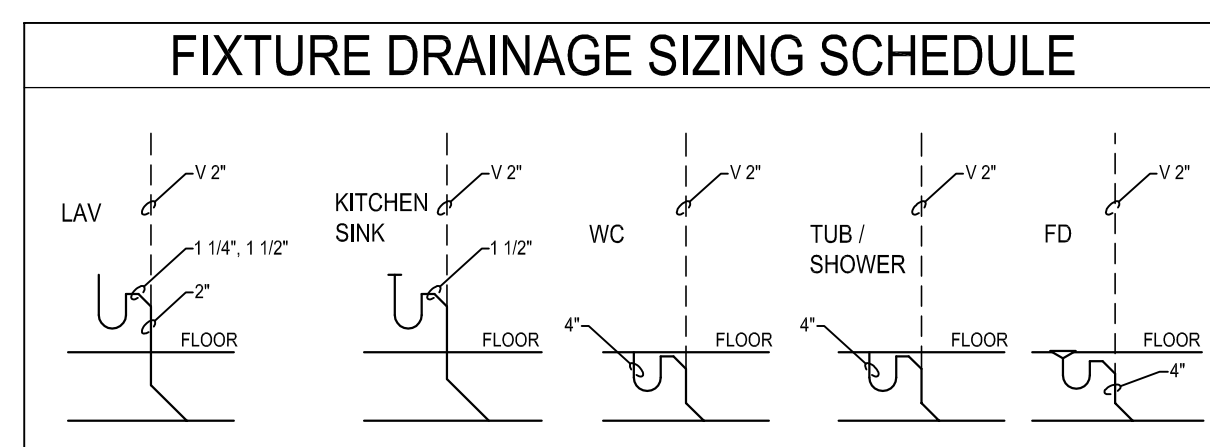
SHEET No: M-03

SHEET Name:
Light, Vent & Equip.
Sched.- Mech. Notes



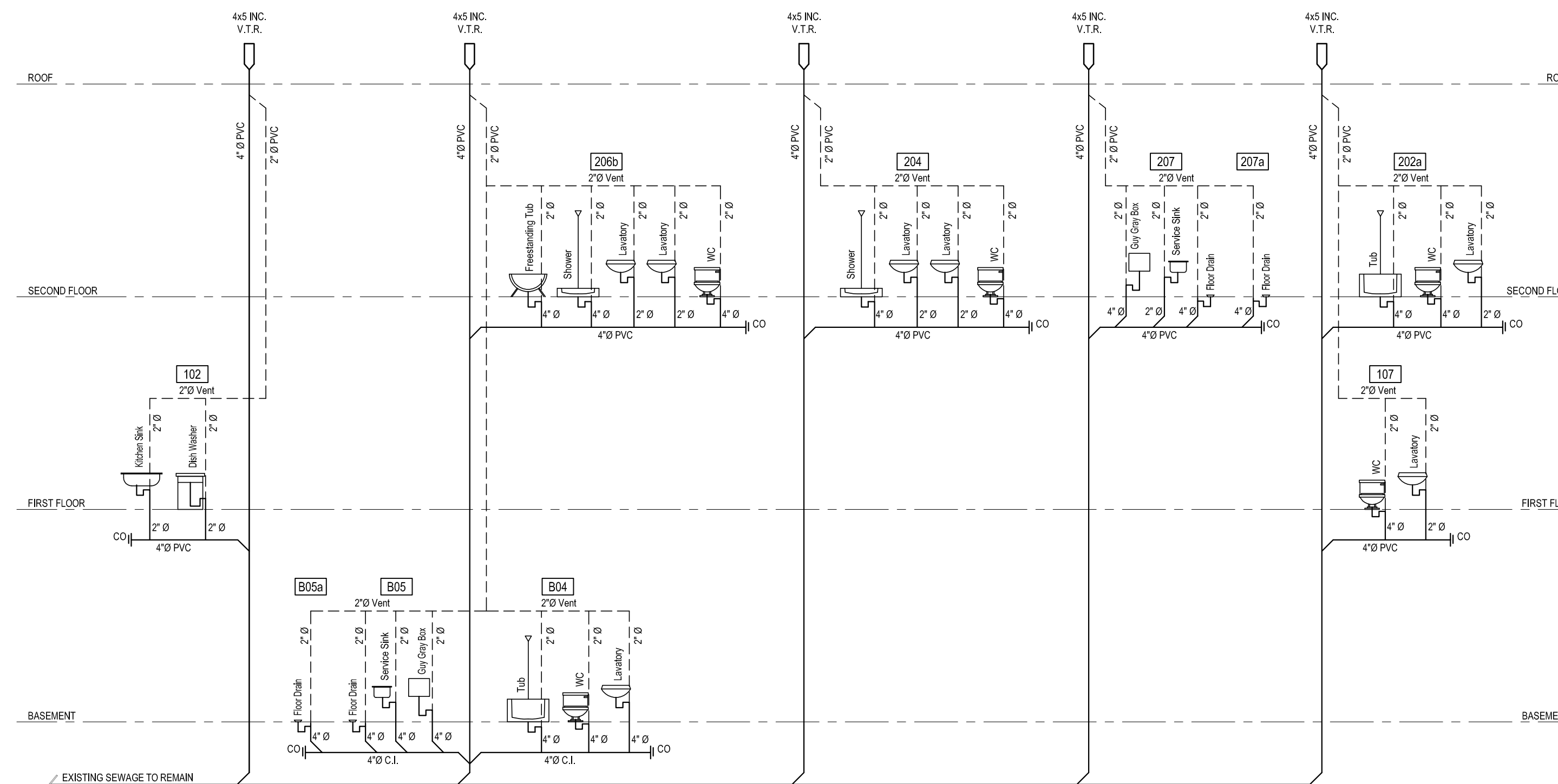
PLUMBING FIXTURE SCHEDULE		
SYMBOL	DESCRIPTION	QUANTITY
	NEW TOILET / W.C.: PER OWNER SELECTION	5
	NEW LAVATORY: PER OWNER SELECTION	7
	NEW TUB: PER OWNER SELECTION (60")	1
	NEW FREESTANDING TUB: PER OWNER SELECTION (60")	1
	NEW SHOWER: PER OWNER SELECTION	2
	WASHER: PER OWNER SELECTION (Residential Grade)	2
	LAUNDRY SERVICE SINK: PER OWNER SELECTION	1
	NEW KITCHEN SINK: PER OWNER SELECTION	1
	DISHWASHER: PER OWNER SELECTION (Residential Grade)	1
	TOTAL	21
	NEW WATER HEATER: HIGH EFFICIENCY TANKLESS. PER MANUFACTURER RECOMMENDATION	2

- PLUMBING NOTES**
- THE PLUMBING CONTRACTOR SHALL INCLUDE ALL NECESSARY LABOR MATERIALS AND EQUIPMENT REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION OF ALL WATER AND SEWAGE SYSTEMS
 - ALL SYSTEMS AND EQUIPMENT SHALL CONFORM TO APPLICABLE LOCAL, STATE AND NATIONAL CODES.
 - UNDERGROUND WATER PIPING SHALL BE TYPE K; COPPER WITH FLARED FITTING.
 - INTERIOR SUSPENDED WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS.
 - BURIED WASTE PIPING AND THE VENTS CONNECTED TO IT SHALL BE CAST IRON OF SERVICE WEIGHT, UNLESS CITY APPROVES THE USE OF SCH 40 PVC.
 - SUSPENDED WATER PIPING SHALL BE TYPE "L" COPPER WITH LEAD FREE SOLDER.
 - ALL WATER PIPES TO FIXTURES AND WATER HEATER SHALL BE VALVED.
 - PROVIDE "1" OR "1/4" CONNECTION FROM DISHWASHER TO DISPOSAL.
 - PLUMBING FIXTURES TO BE PER ATTACHED BUILDERS SPECIFICATION.
 - UNDERGROUND & UNDERFLOOR WASTE MIN. 4".
 - UNDERGROUND & UNDERFLOOR VENT MIN. 2".
 - ALL FLOOR DRAINS SHALL BE INDIVIDUALLY VENTED.
 - WATER TEMP. FOR TUBS AND SHOWERS = 110.
 - PROVIDE "P" TRAPS FOR ALL FLOOR FIXTURES. MAX 24" FROM FIXTURE TO TRAP WEIR.
 - SUPPLY & WASTE ARE NOT PERMITTED IN EXTERIOR WALLS OR OTHER UNHEATED SPACES.
 - WET VENTING NOT PERMITTED.
 - EXTERIOR DRAIN/WASTE LINES SDR 26 OR BETTER IS PERMITTED.
 - PROVIDE SHUT-OFF VALVES AT EACH PLUMBING FIXTURE.
 - ALL DRAIN, WASTE AND VENT PIPING SHALL BE TESTED & INSPECTED PRIOR TO ENCLOSING. SUCH TEST SHALL BE DONE BY FILLING THE ENTIRE SYSTEM WITH WATER. WHEN WEATHER CONDITION PRECLUDE WATER TESTING, THE ENTIRE SYSTEM SHALL BE PUT UNDER AIR PRESSURE AT 5 LBS. FOR A PERIOD OF 15 MINUTES OR MORE.



2 WATER SUPPLY RISER DIAGRAM

NTS

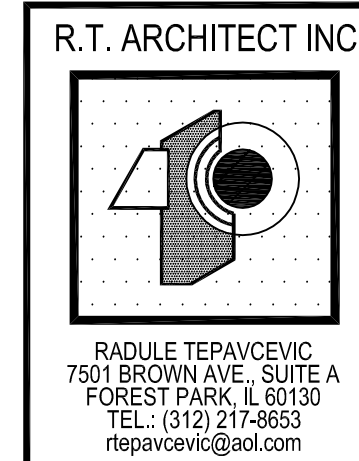


1 WASTE RISER DIAGRAM

NTS

REVISIONS	DATE	DESCRIPTION
NO.	BY:	RT
1	07/16/2023	Revise
2	07/16/2023	Permit

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SHEET No: **P-01**
SHEET Name:
**Plumbing
Riser Diagrams**

