

HOUSE VENTILATION CALCULATION

3976 / (100 \* (4+1)) \* 7.5 = 71.26

19) R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding 4 air changes per hour (ACH) in Climate Zones 4 and 5...

20) R403.5.3 Whole-house Mechanical Ventilation System. Whole-house mechanical ventilation systems shall be designed in accordance with Sections R403.5.4 through R403.5.6.

21) R403.5.4 System Design. The whole-house ventilation system shall consist of one or more supply or exhaust fans, or a combination, and associated ducts and controls...

22) R403.5.5 System Controls. The whole-house mechanical ventilation system shall be provided with controls that enable manual override.

TABLE R403.5.6(1) CONTINUOUS WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM AIRFLOW RATE REQUIREMENTS. Table with columns for Dwelling Unit, Floor Area, and Airflow in CFM.

TABLE R403.5.6(2) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS. Table with columns for Run-time Percentage and Factor.

TABLE R403.5.6(3) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS. Table with columns for Run-time Percentage and Factor.

TABLE R403.5.6(4) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS. Table with columns for Run-time Percentage and Factor.

TABLE R403.5.6(5) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS. Table with columns for Run-time Percentage and Factor.

TABLE R403.5.6(6) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS. Table with columns for Run-time Percentage and Factor.

TABLE R403.5.6(7) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS. Table with columns for Run-time Percentage and Factor.

TABLE R403.5.6(8) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS. Table with columns for Run-time Percentage and Factor.

FIRE AND DRAFT STOPPING NOTES: FIRESTOP AROUND ALL OPENINGS AROUND VENTS, PIPES, DUCTS, ETC. WITH NON-COMBUSTIBLE MATERIALS SUCH AS DRYWALL JOINT COMPOUND OR FIRESTOP TYPE DULKING.

INSULATION NOTE: ANY EXPOSED INSULATING MATERIALS INCLUDING FINISHES SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 WITH AN ACCOMPANYING SMOKE DEVELOPED INDEX NOT TO EXCEED 450.

2018 ENERGY CONSERVATION CODE

As of the 2018 International Energy Code adopted by The Board (Illinois Capitol Development Board) as recommended by the Illinois Energy Conservation Code Commission...

1) 402.4 AIR LEAKAGE (Mandatory). The Building thermal envelope shall comply with IRC R402.4.1.2.

2) 402.4.2 FIREPLACES. New wood burning fireplaces shall have tight-fitting dampers and combustion air...

3) 402.4.3 MECHANICAL SYSTEMS PIPING. 1/2" and 3/4" insulated piping shall be installed in accordance with IRC R402.4.3.1.

4) 402.4.4 MAKEUP AIR. Exhaust hood systems capable of exhausting in excess of 400 cubic feet per minute shall be provided with makeup air...

5) 402.4.5 MECHANICAL SYSTEMS PIPING. 1/2" and 3/4" insulated piping shall be installed in accordance with IRC R402.4.5.1.

6) 402.4.6 MECHANICAL SYSTEMS PIPING. 1/2" and 3/4" insulated piping shall be installed in accordance with IRC R402.4.6.1.

7) 402.4.7 MECHANICAL SYSTEMS PIPING. 1/2" and 3/4" insulated piping shall be installed in accordance with IRC R402.4.7.1.

8) 402.4.8 MECHANICAL SYSTEMS PIPING. 1/2" and 3/4" insulated piping shall be installed in accordance with IRC R402.4.8.1.

9) 402.4.9 MECHANICAL SYSTEMS PIPING. 1/2" and 3/4" insulated piping shall be installed in accordance with IRC R402.4.9.1.

10) 402.4.10 MECHANICAL SYSTEMS PIPING. 1/2" and 3/4" insulated piping shall be installed in accordance with IRC R402.4.10.1.

TABLE 402.1.1 INSULATION AND PENETRATION REQUIREMENTS. Table with columns for Climate Zone, Penetration U-Factor, Skylight U-Factor, Ceiling R-Value, Wall R-Value, Mass Wall R-Value, Floor R-Value, Slab R-Value, Crawlspace R-Value.

DUCT CONSTRUCTION - R16S PROVIDE A DETAIL INDICATING LOCATION AND SIZE OF DUCT LINES FOR BOTH SUPPLY AND RETURN. RETURN FOR EACH RUNWAY TO BE INSTALLED ACCORDING TO MANUAL J FORM SUBMITTED. LIST R VALUES OF INSULATION FOR ANY DUCTS OUTSIDE CONDITION SPACE.

DRAFTSTOPPING REQUIRED [RC R502.1.2] INSTALL 1/2" GYPSUM BOARD, 3/4" INCH WOOD STRUCTURAL PANEL, OR EQUIVALENT WHEN THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY. DRAFTSTOPPING SHALL BE INSTALLED TO PREVENT AIR FROM THE CONCEALED SPACE FROM ENTERING THE SPACE THROUGH THE DRAFTSTOPPING.

DUCT INSULATION - IRC N1103.2.1 EXCEPT WHERE THERE ARE DUCTS OR PORTIONS THEREOF ARE LOCATED COMPLETELY INSIDE THE THERMAL ENVELOPE, SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO A MINIMUM OF R-6. DUCTS IN FLOOR TRUBBERS SHALL BE INSULATED TO A MINIMUM OF R-8.

WINDOW INSTALLATION INSTRUCTIONS R610.1 WINDOW INSTALLATION INSTRUCTIONS FROM MANUFACTURER TO BE ON FILE WITH PERMITS.

FIELD VERIFY CODE COMPLIANT FIRESTOPPING IS PROVIDED AT THE FOLLOWING LOCATIONS: A. CONCEALED SPACES OF STUBS, WALLS AND PARTITIONS, INCLUDING BURIED PASSAGES, AT THE CEILING AND FLOOR LEVELS.

RETURN AIR AND SUPPLY AIR - R16A PROVIDE A COMPLETE MECHANICAL PLAN SHOWING SUPPLY, AND RETURN.

525 HILLSIDE ROAD LEGAL DESCRIPTION: LOT 13 IN BLOCK IN MOSER HIGHLANDS, BEING A SUBDIVISION OF PART OF SECTION 19, TOWNSHIP 38 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 27, 1954 AS DOCUMENT 728128, IN DUPAGE COUNTY, ILLINOIS.

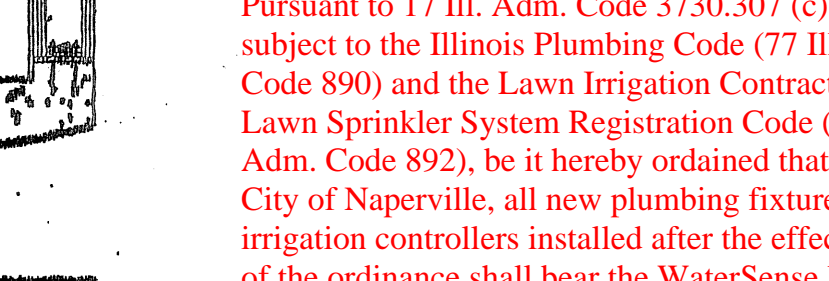
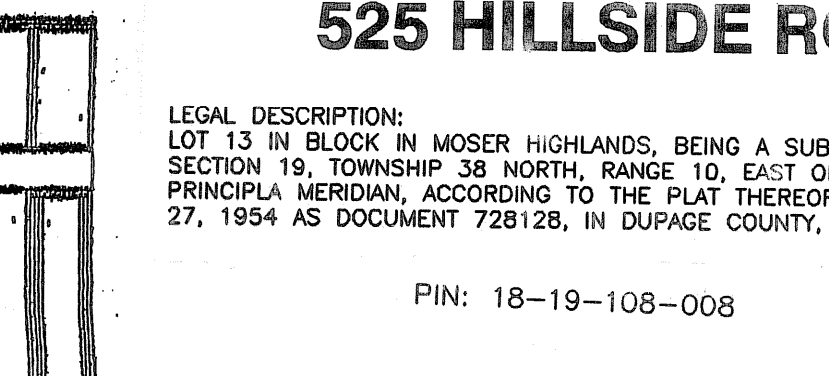


Table 402.1.1 INSULATION AND PENETRATION REQUIREMENTS. Table with columns for Climate Zone, Penetration U-Factor, Skylight U-Factor, Ceiling R-Value, Wall R-Value, Mass Wall R-Value, Floor R-Value, Slab R-Value, Crawlspace R-Value.

Table 301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA. Table with columns for Parameter, Value.

CARBON MONOXIDE DETECTORS CARBON MONOXIDE DETECTOR TO BE PROVIDED WITH-IN 15'-0" (FIFTEEN FEET) OF EACH BEDROOM OR SLEEPING ROOM. CARBON MONOXIDE DETECTORS SHALL RECEIVE THEIR POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS DERIVED FROM A BATTERY BACKUP. CARBON MONOXIDE DETECTOR SHALL HAVE A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVER-CURRENT PROTECTION. DETECTOR TO BE ON DEDICATED CIRCUIT.

WALL REINFORCEMENT ONE FIRST FLOOR BATH SHALL BE PROVIDED WITH WOOD BLOCKING INSTALLED WITHIN WALL FRAMING TO SUPPORT GRAB BARS AS NEEDED. THE WOOD BLOCKING SHALL BE IN CONDUIT TO THE CENTER, SHALL BE LOCATED BETWEEN THIRTY-THREE (33) INCHES AND THIRTY-SIX (36) INCHES ABOVE THE FINISHED FLOOR. THE WOOD BLOCKING SHALL BE INSTALLED IN ALL WALLS ADJACENT TO A TOILET, SHOWER STALL OR BATHUB.

Table with columns for Point, Description, Result. Table with 11 rows of design criteria.

Table with columns for Point, Description, Result. Table with 11 rows of design criteria.

FIELD COPY

- 2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 International Building Code
2018 International Residential Code
2018 International Property Maintenance Code
2018 International Fire Code
2018 International Fuel Gas Code
2018 International Mechanical Code
2018 International Plumbing Code
2018 International Existing Building Code
2018 International Swimming Pool and Spa Code
2018 International Electric Code (NFPA 70)
2009 International Code Council Electrical Administrative Provisions
2018 Life Safety Code (NFPA 101)
Illinois Energy Conservation Code, Current Edition
National Fire Code (NFPA), Current Edition
Illinois State Plumbing Code, Current Edition
Illinois Accessibility Code, Current Edition
Local Amendments per Naperville Municipal Code

Soil Classification Used For Design - Soil Group II Soil Class CL
Soil Description: Inorganic clay
Drainage Characteristics: Medium
Frost Heave Potential: Medium
Volume Change Potential: Medium to Low
Soil Bearing Pressure: 1500 PSF

DESIGN CRITERIA DESIGN LOADS: 1st Floor = 40 psf, 2nd Floor = 40 psf, Roof = 20 psf, Wind = 50 mph, Snow = 30 psf, Seismic = 0.2. CONTROLLING LIGHT: FIXTURES AND FANS SHALL BE LOCATED AT A HEIGHT NOT TO EXCEED FORTY-EIGHT (48) INCHES ABOVE THE FINISHED FLOOR. HEIGHT SHALL BE DETERMINED BY MEASURING FROM THE FINISHED FLOOR TO THE CENTER OF THE SWITCH.

WALL REINFORCEMENT ONE FIRST FLOOR BATH SHALL BE PROVIDED WITH WOOD BLOCKING INSTALLED WITHIN WALL FRAMING TO SUPPORT GRAB BARS AS NEEDED. THE WOOD BLOCKING SHALL BE IN CONDUIT TO THE CENTER, SHALL BE LOCATED BETWEEN THIRTY-THREE (33) INCHES AND THIRTY-SIX (36) INCHES ABOVE THE FINISHED FLOOR. THE WOOD BLOCKING SHALL BE INSTALLED IN ALL WALLS ADJACENT TO A TOILET, SHOWER STALL OR BATHUB.

NAPERVILLE NOTES

Table with columns for Point, Description, Result. Table with 11 rows of design criteria.

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FIELD COPY

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2018 International Swimming Pool and Spa Code
2018 International Electric Code (NFPA 70)
2009 International Code Council Electrical Administrative Provisions
2018 Life Safety Code (NFPA 101)
Illinois Energy Conservation Code, Current Edition
National Fire Code (NFPA), Current Edition
Illinois State Plumbing Code, Current Edition
Illinois Accessibility Code, Current Edition
Local Amendments per Naperville Municipal Code

Table with columns for REVISIONS and BY. Table with 10 rows.

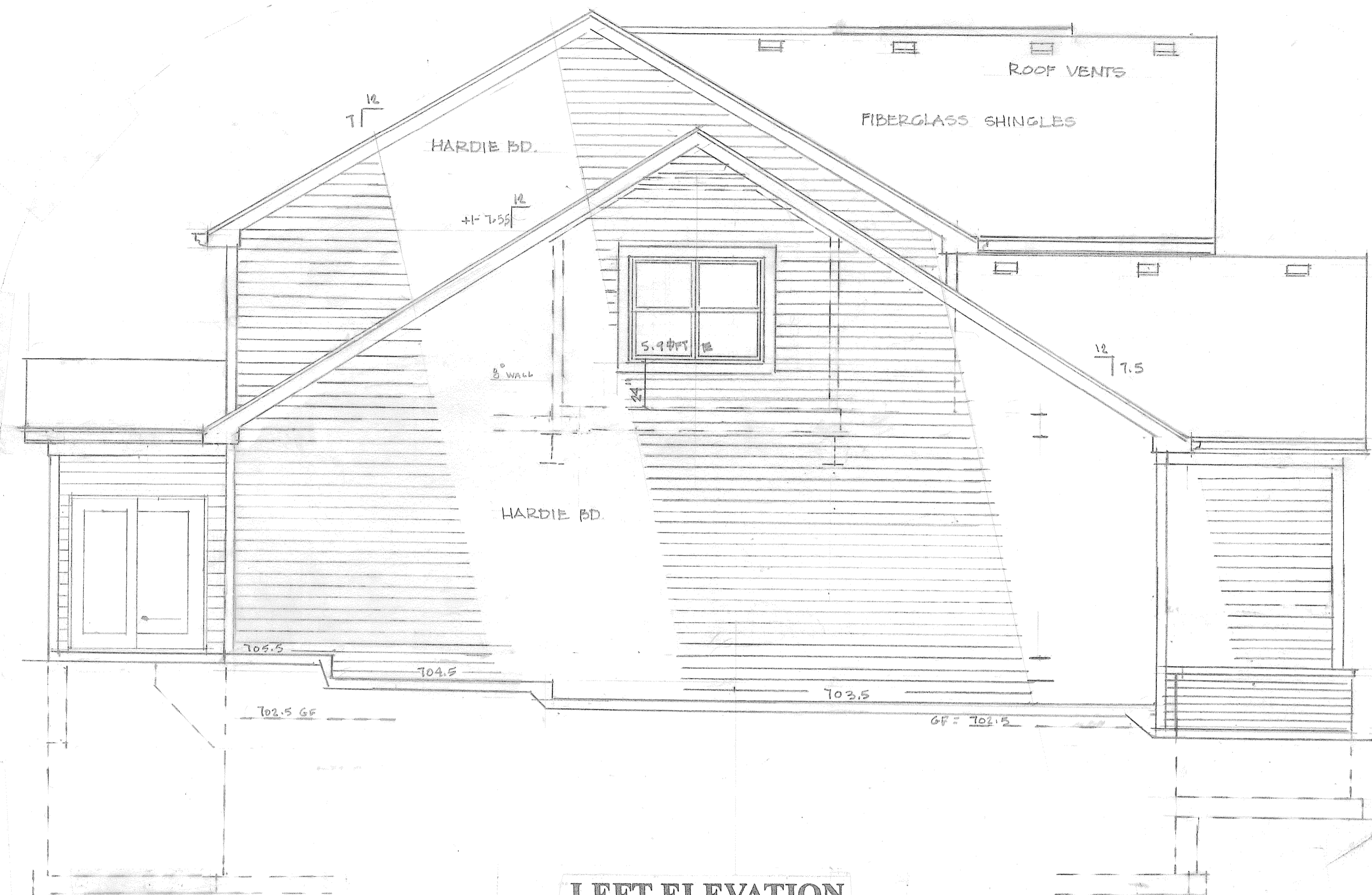
ARCHITECTS PLUS LTD
10 S 373 NORMANTOWN ROAD
NAPERVILLE, IL. 60564
630-978-7670

THE LEWIS RESIDENCE
525 E. HILLSIDE
NAPERVILLE, IL.

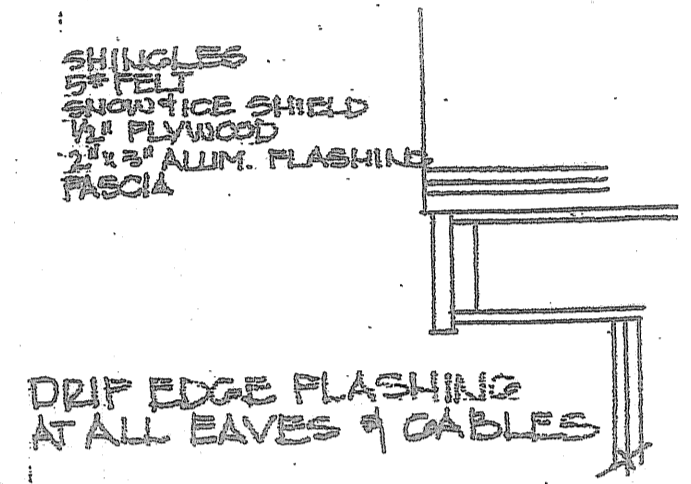
AUTUMN HOMES
630-983-6220

DRAWN R5
CHECKED
DATE 7-11-2022
SCALE
JOB NO. 22-025
SHEET C-1
OF 15 SHEETS

REVISIONS	BY
5-10-2022	
5-25-2022	
7-11	CRADP

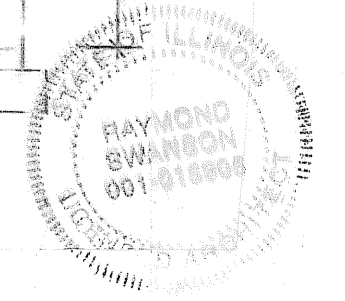


LEFT ELEVATION



FRONT ELEVATION

REVIEWED FOR SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE CODES. THIS REVIEW DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL CITY OF NAPERVILLE CODES.



CITY OF NAPERVILLE  
 DRAWN: RS  
 CHECKED: JEC  
 DATE: 5-6-2022  
 SCALE: 1/4" = 1'-0"  
 JOB NO.: 22-525  
 SHEET: 1

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 NAPERVILLE, IL 60564  
 630-978-7670

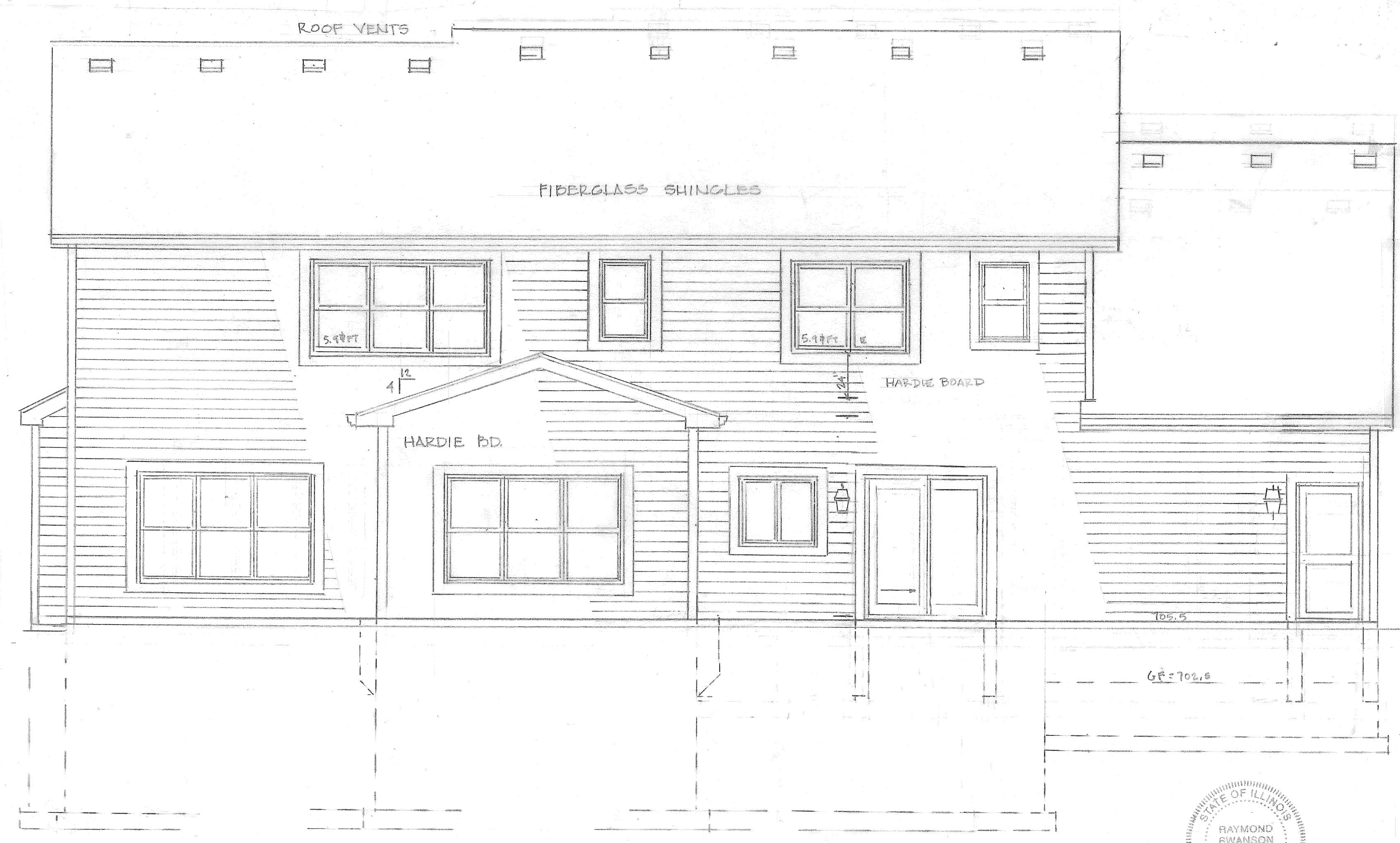
THE LEWIS RESIDENCE  
 525 E. HILLSIDE  
 NAPERVILLE, IL.

AUTUMN HOMES  
 630-983-6220

REVIEWED FOR SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE CODES. THIS REVIEW DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL CITY OF NAPERVILLE CODES.



RIGHT ELEVATION



REAR ELEVATION

REVISIONS	BY
5-10-2022	
5-23-2022	
7-11-2022	
GRADE	

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 630-978-7670

THE LEWIS RESIDENCE  
 525 E. HILLSIDE  
 NAPERVILLE, IL.

CITY OF NAPERVILLE  
 REVIEWED FOR CODE COMPLIANCE  
 Rev. 2 Date 06/17/2022  
 Code Official/Inspector  
 AUTUMN HOMES  
 630-983-6220

DRAWN	RS
CHECKED	EC
DATE	5-6-2022
SCALE	1/4" = 1'-0"
JOB NO.	22-525
SHEET	2
OF FIVE SHEETS	



REVIEWED FOR SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE CODES. THIS REVIEW DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL CITY OF NAPERVILLE CODES.

REVISIONS	BY
5-10-2022	
5-25-2022	
7-11-2022	
6-ADP	

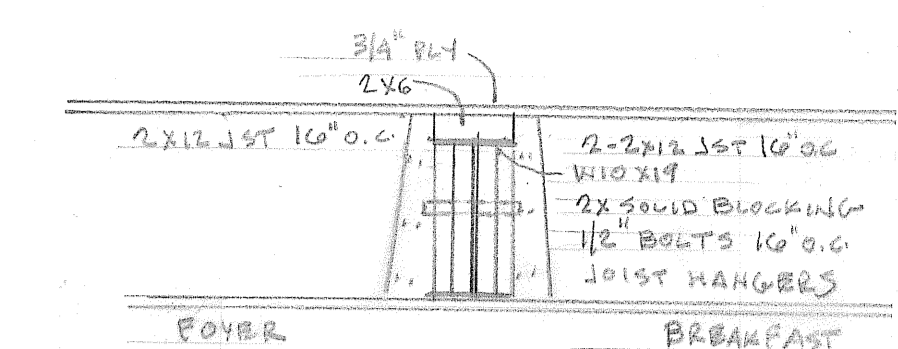
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THE LEWIS RESIDENCE  
 525 E. HILLSIDE  
 NAPERVILLE, IL.

AUTUMN HOMES  
 630-983-6220

DRAWN  
 RS EC  
 CHECKED  
 DATE  
 5-10-2022  
 SCALE  
 1/4" = 1'-0"  
 JOB NO.  
 22-525  
 SHEET  
 3  
 OF FIVE SHEETS

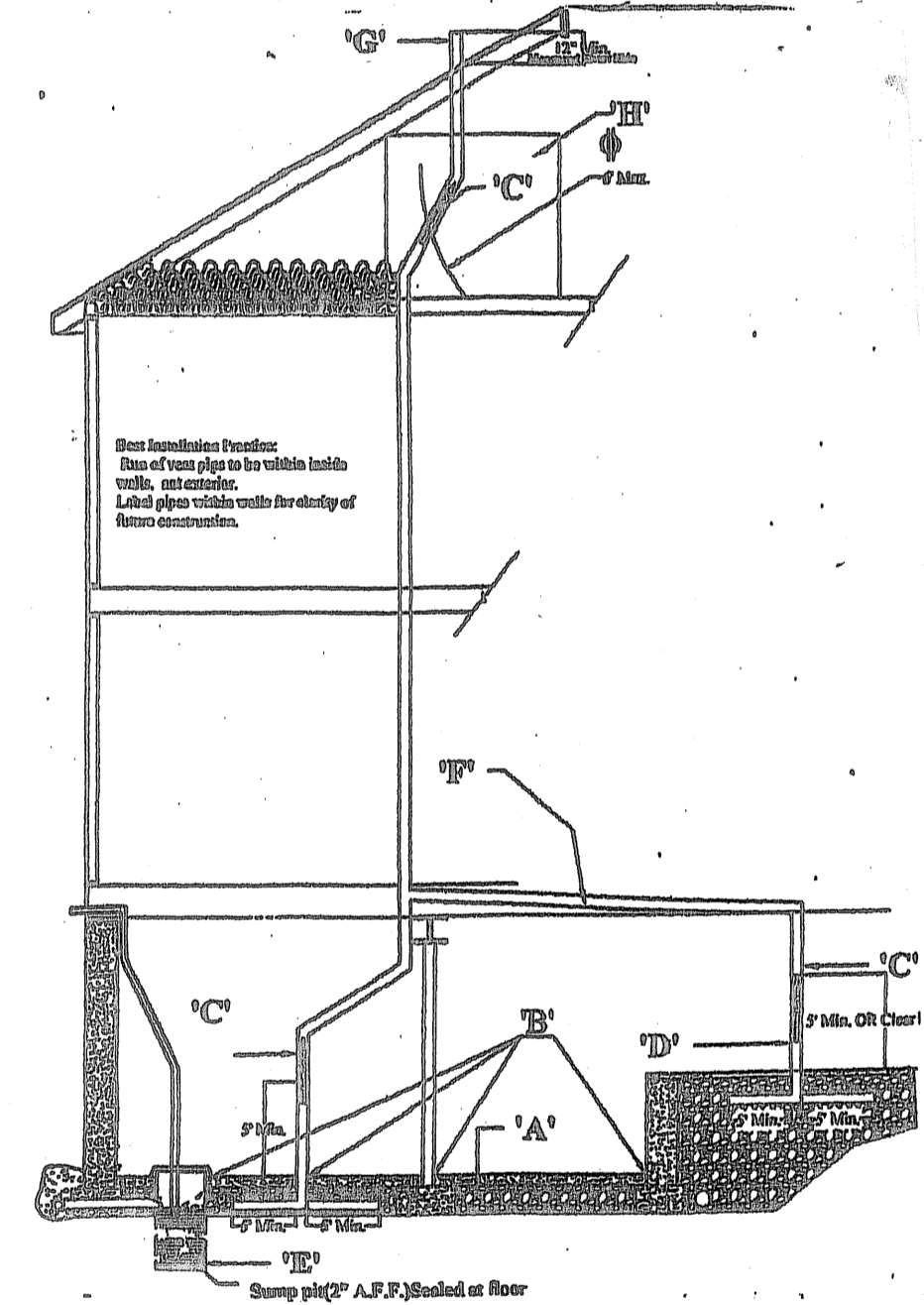
DESCRIPTION	AREA	LIGHT REQ.	LIGHT ACTUAL	VENT REQ.	VENT ACTUAL	REMARKS
STUDY	185	12.2	26	6.1	13.8	
DINING RM	164	13.1	26	6.5	6.5	
FAMILY RM	396	31.4	39	13.5	20.7	
KIT/BREAKFAST	326	30	49	15	25.2	
SUN ROOM	115	9.3	119	4.6	60.7	
BATH	60	N/A	ARTIF	5.5	6.5	
MSTR BEDRM	287	22.9	33.9	11.4	17.7	
MSTR BATH	190	19.2	16.2	7.6	8.5	
BEDRM 2	147	11.7	22.6	5.5	11.5	
BATH	69	N/A	ARTIF	5.5	6.5	
BEDRM 3	169	13.5	22.6	6.7	11.5	
BATH	57	6.9	ARTIF	3.4	6.5	
BEDRM 4	183	15.0	22.6	7.5	11.5	
LAUNDRY	26	N/A	ARTIF	5.5	6.5	
BASEMENT	1800	37	45	37	45	



FOYER / BREAKFAST BEAM DETAIL  
 SCALE: 1/2" = 1'-0"

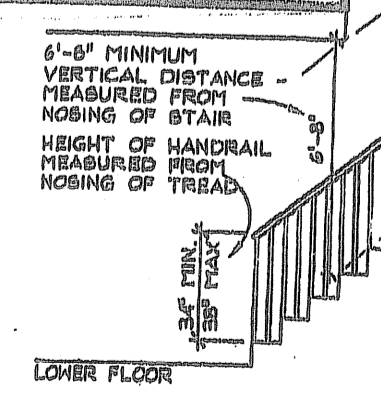
Passive Sub-slab Depressurization (SSD) System

- 1. Sub-slab Depressurization: A layer of gas permeable material shall be placed under all concrete slabs and other floor systems that directly contact the ground. Class aggregate-#2 crushed stone shall be used. Class aggregate-#2 crushed stone shall be used.
- 2. Entry Barrier: Floor openings around all penetrations in the slab shall be sealed with caulk, expansion, elastomeric joints, and isolation joints shall be caulked with Polyurethane Caulk for floor openings.
- 3. All exposed soil vents below concrete slabs shall be completely identified with at least one label on each floor or accessible area. The label shall read "Radon Reduction System".
- 4. A plumbing tee (min 3" diameter Schedule 40 pipe) or other approved connection with not less than 4 feet of unthreaded pipe extending from each horizontal opening of the tee shall be located horizontally beneath the slab. A 3" vent pipe (passivated above finished floor) shall be installed in top opening of tee. Each tee shall be sealed with an individual vent pipe. All vent pipes shall connect to a single vent with a vent pipe installed through the sheathing up through the building floors to exterior termination.
- 5. Sump pits open to soil or serving as the termination point for sub-slab or exterior drains that serve shall be connected with a gasketed or otherwise sealed lid. Sump pits shall not be used as primary suction point in sub-slab depressurization system.
- 6. All components of the radon vent pipe system shall be installed to provide positive drainage to the ground beneath the gas monitor housing.
- 7. Vent pipes shall connect to a single vent that shall terminate at least 12" above the highest roofline in a location at least 2' above any window or other opening into the building and at least 10' from any window or opening in an adjacent building.
- 8. Area of access to electrical outlet, installation of power equipment. This area shall have working space for safe operation and a clear height of 6'6" (min 6'0"). Electrical "outlet" shall be within 6'-0" (6') of the "access area" and vent pipe.



WITH TREAD DEPTH LESS THAN 11" A NOSING SIZE OF A MINIMUM THREE-QUARTER INCHES (3/4") TO A MAXIMUM ONE AND ONE QUARTER INCHES (1 1/4") SHALL BE PROVIDED ON STAIRS WITH SOLID RISERS.

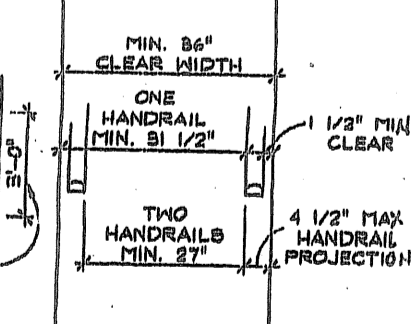
STAIR NOSING PROFILES SHALL HAVE A SLOPED SURFACE FROM THE LEADING EDGE OF THE NOSING TO THE RISER, THE ANGLE OF THE SLOPE SHALL NOT EXCEED THIRTY DEGREES (30°) TO THE VERTICAL.



STAIR SECTION  
 NO SCALE

ALL STAIRS OVER 3 RISERS: 36" GUARDRAIL WITH BALUSTERS MAXIMUM 4" O.C. REQUIRED ON ALL OPEN SIDES AND CONTINUOUS HANDRAIL 36" HIGH ON ONE SIDE, ABOVE GUARDRAIL, ALSO REQUIRED ON ALL OPEN AREAS EXCEEDING 24" ABOVE ADJACENT GRADE OR FLOOR LEVEL.

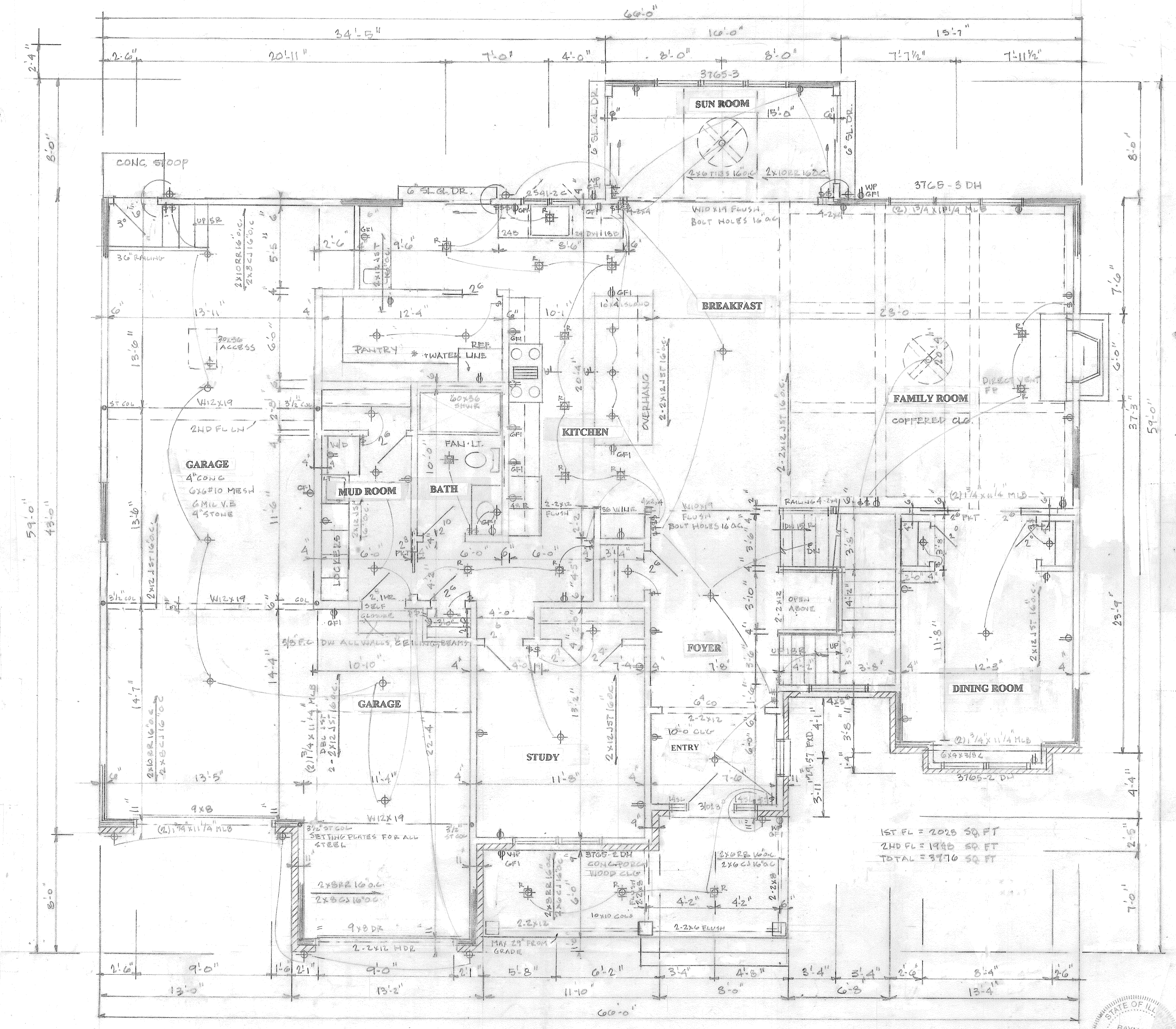
ALL INTERIOR/EXTERIOR STAIRS: MAXIMUM RISE-7 3/4" MINIMUM TREAD DEPTH-10" CLEAR OF NOSING MINIMUM HEADROOM-6'-8" CONTINUOUS



HANDRAIL DETAIL  
 NO SCALE

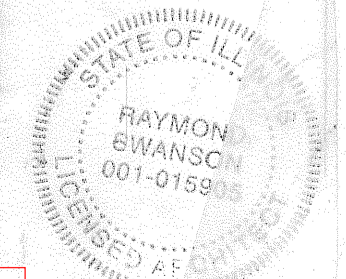
HANDRAILS SHALL HAVE A GRIP PORTION BETWEEN ONE AND ONE QUARTER INCHES (1 1/4") AND ONE AND ONE HALF INCHES (1 1/2")

ALL HANDRAILS MUST BE CONTINUOUS THE FULL LENGTH OF STAIRS WITH TWO (2) OR MORE RISERS NO INTERRUPTIONS OR TERMINATED IN A NIBEL POST OR A SAFETY TERMINAL.



FIRST FLOOR PLAN

1ST FL = 2025 SQ FT  
 2ND FL = 1945 SQ FT  
 TOTAL = 3970 SQ FT



REVIEWED FOR SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE CODES. THIS REVIEW DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL CITY OF NAPERVILLE CODES.

Table M Load Values Assigned to Fixtures

Fixture	Basement	1 <sup>st</sup> Floor	2 <sup>nd</sup> Floor	3 <sup>rd</sup> Floor	Sub-Totals	Fixture Unit	Totals
Bidet					1	1	1
Water Closet			3		3	3	3
Lavatory			1		1	1	1
Bathtub			1		1	1	1
Shower Stall (per head)			2		4	2	2
Kitchen Sink			1		1	1	1
Laundry Trays (1-3)			1		2	3	6
Dishwasher			1		1	1	1
Laundry Machine 16lb			1		4	4	4
Silcocks			1		2	5	10
<b>Total</b>							

TOTAL WSFU'S 55 Service Size 1/2 Meter Size 1/2

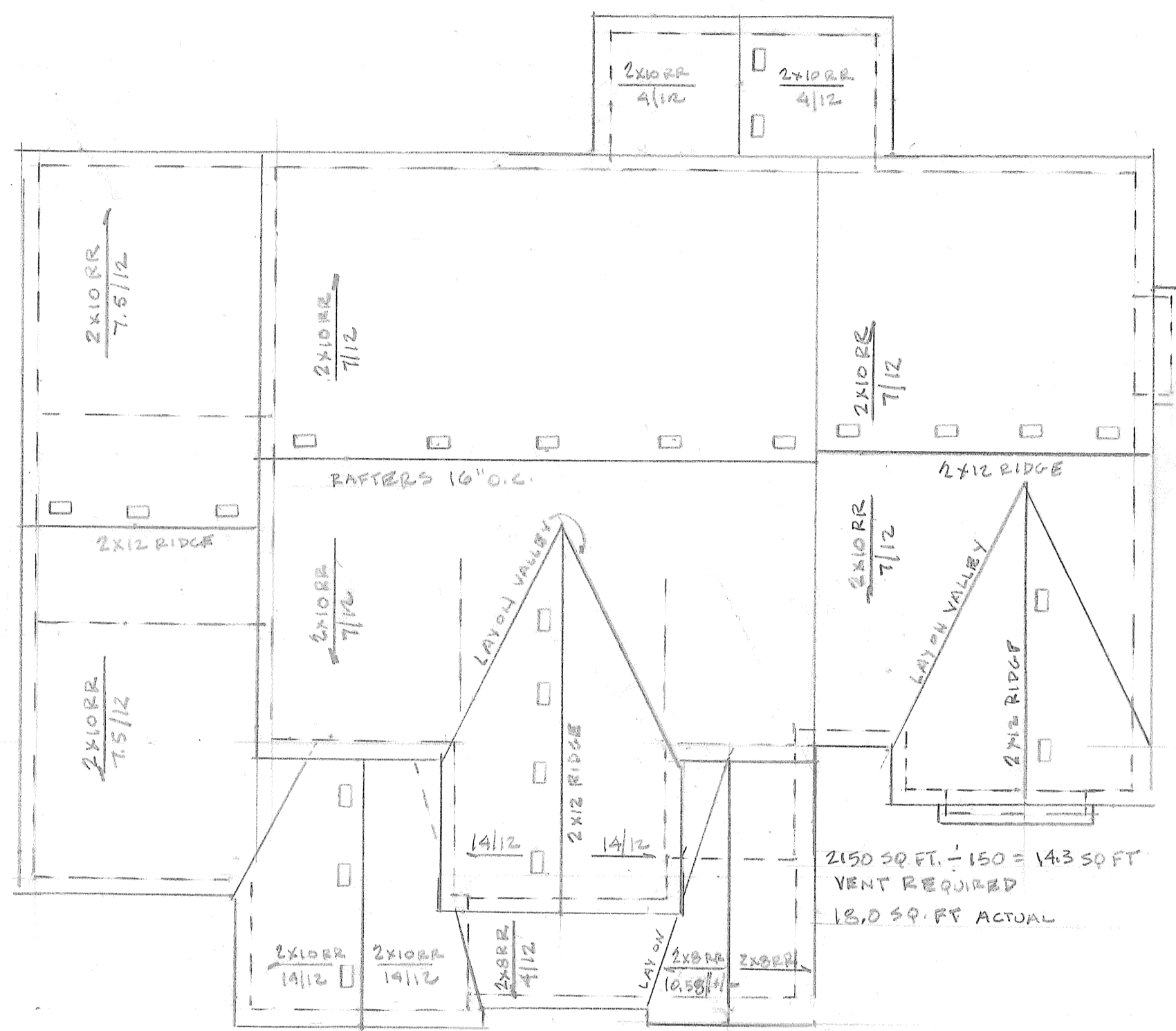
WATER DIAGRAM NO SCALE

ALL WATER PIPES ARE COPPER  
ALL FIXTURES HAVE SHUTOFF VALVES AND 1/2" RISERS

COLD WATER  
HOT WATER

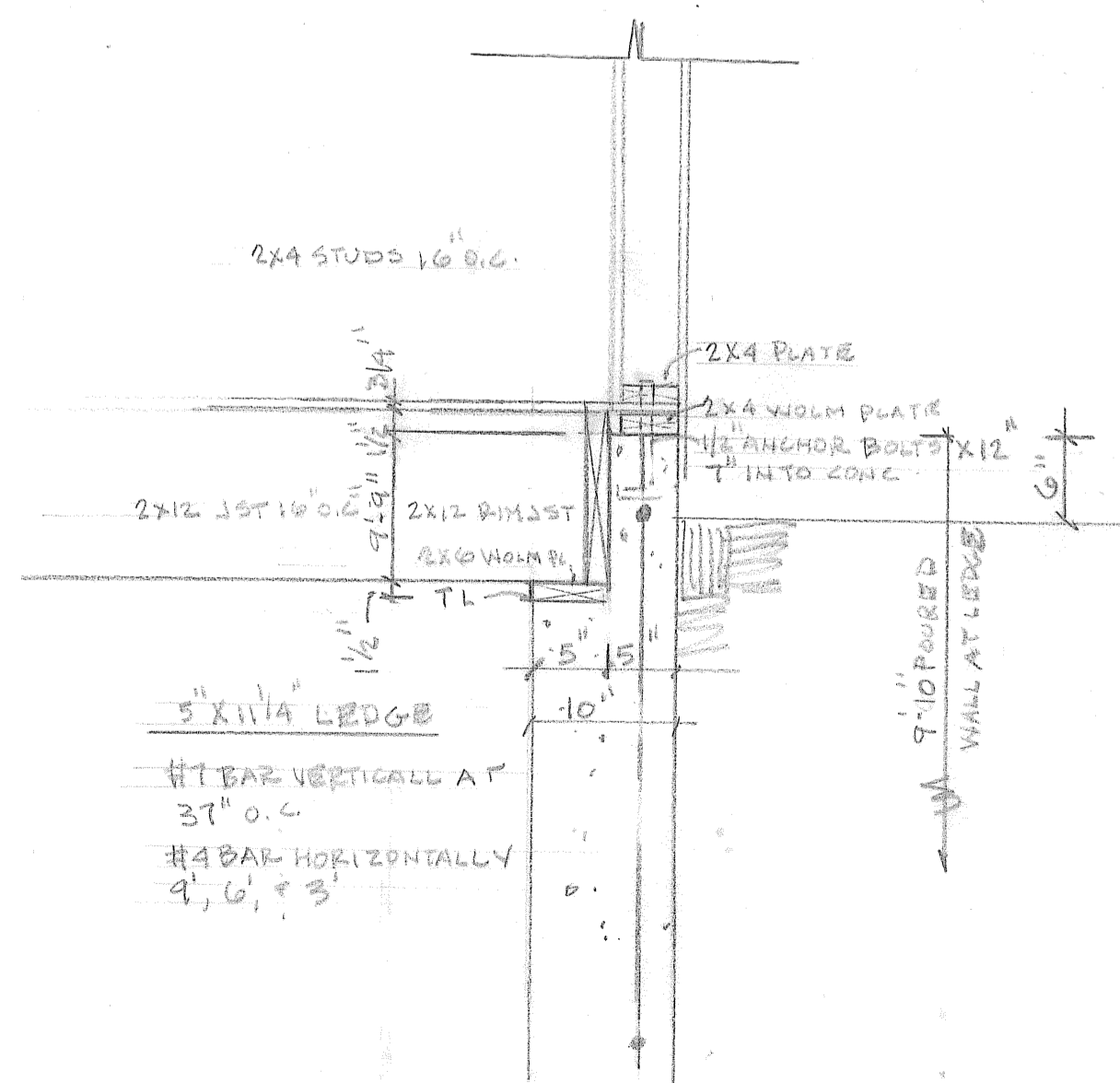
WASTE DIAGRAM NO SCALE

WASTE  
VENT



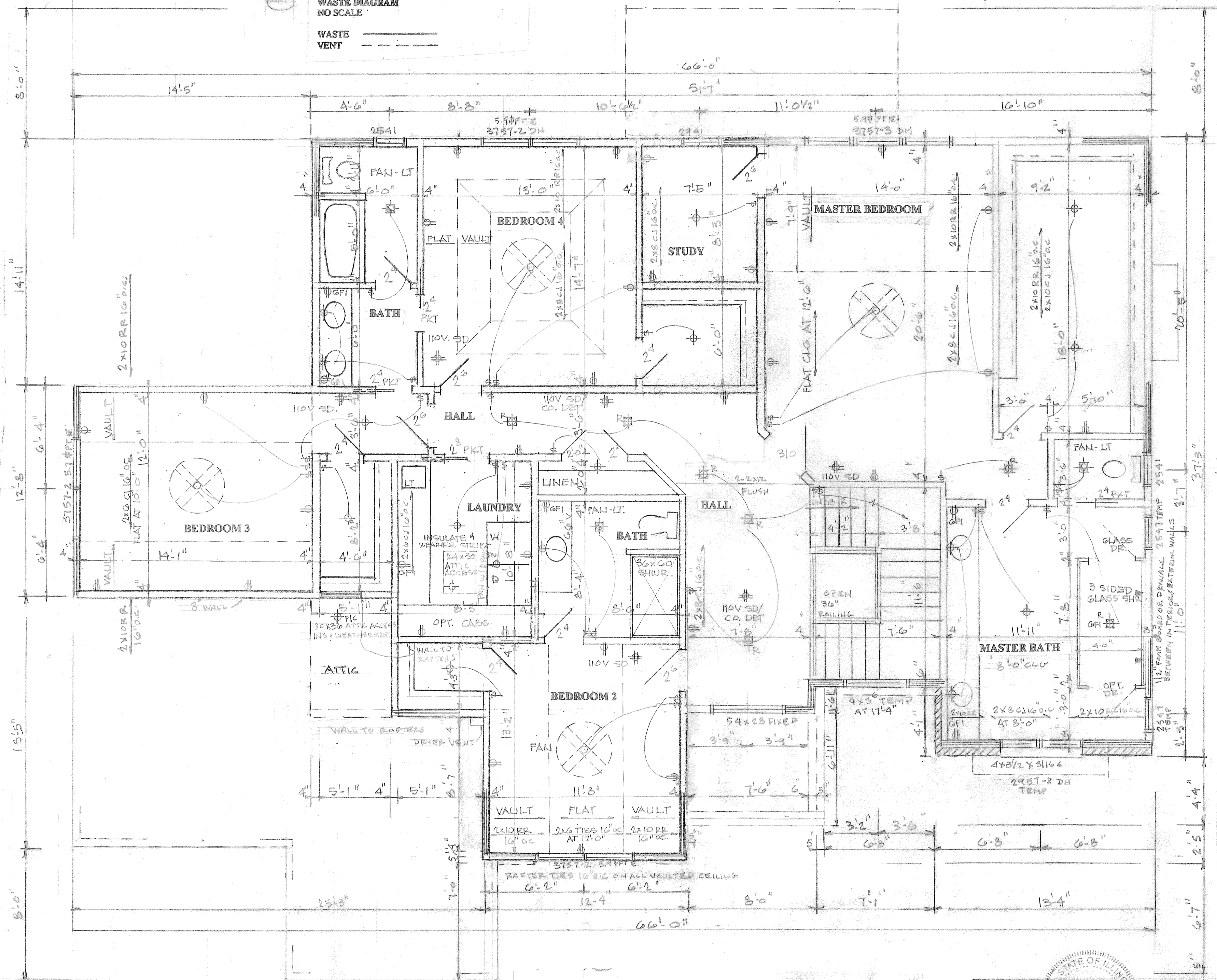
ROOF PLAN

SCALE: 1/8" = 1'-0"



REVERSE LEDGE DETAIL

SCALE: 1" = 1'-0"

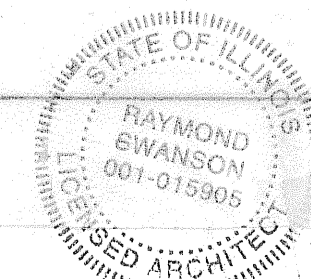


SECOND FLOOR PLAN

CITY OF NAPERVILLE  
Permit #22-2696  
Rev # 3 Date 09/12/2022  
Code Official: rufnerford



REVIEWED FOR CODE COMPLIANCE



REVIEWED FOR SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE CODES. THIS REVIEW DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL CITY OF NAPERVILLE CODES.

REVISIONS	BY
5-10-2022	
5-25-2022	
7-11-2022	
GRADE	

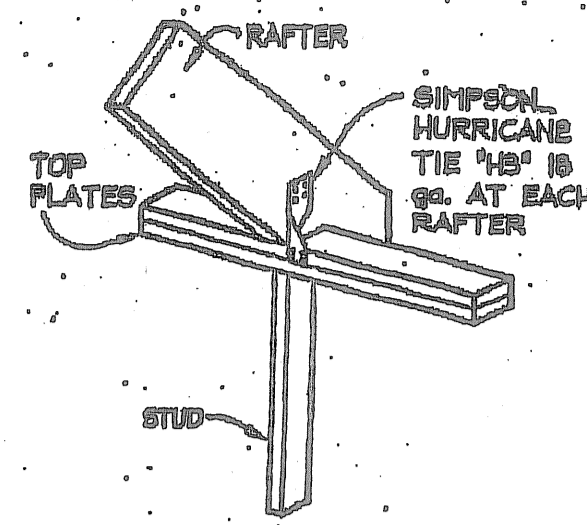
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10 S 373 NORMANTOWN ROAD  
NAPERVILLE, IL 61564  
630-978-767

THE LEWIS RESIDENCE  
525 E. HILLSIDE  
NAPERVILLE, IL.

AUTUMN HOMES  
630-983-6220

DRAWN	DATE
F6 50	5-6-2022
CHECKED	SCALE
	1/4" = 1'-0"
JOB NO.	SHEET
22-525	4

OF FIVE SHEETS



**RAFTER TIE DETAIL**  
AT ALL VAULTED CATHEDRAL & TRAY CEILINGS

TABLE R404.1.1(5)  
MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE

TYPE OR LOCATION OF CONCRETE CONSTRUCTION	STRENGTH
Basement walls, foundations and other concrete not exposed to the weather	2,500
Placement slabs and interior slabs on grade, except garage floor slabs	2,500
Placement walls, foundation walls, exterior walls and other vertical concrete work exposed to the weather	3,000
Foundations, support slabs and steps exposed to the weather, and garage floor slabs	3,500

**CONCRETE FOUNDATION WALLS**  
TABLE R404.1.1(5)

Foundation walls:  
Thickness of walls 10"  
Maximum height of wall 8'-0"  
Maximum height of unbalanced backfill 8'-0"  
1/2" AT 3'-0" vertical reinforcement  
1/2" AT 3'-0" horizontal reinforcement

**CONCRETE FOUNDATION WALLS**  
TABLE R404.1.1(5)

Foundation walls:  
Thickness of walls 10"  
Maximum height of wall 8'-0"  
Maximum height of unbalanced backfill 8'-0"  
1/2" AT 3'-0" vertical reinforcement  
1/2" AT 3'-0" horizontal reinforcement

FIBERGLASS SHINGLES  
15# FELT  
SNOW AND ICE SHIELD FROM FASCIA TO A POINT 2' INSIDE BUILDING AND IN ALL VALLEYS

1/2" PLYWOOD  
2X12 EDGE  
2X10 RAFTERS 16" O.C.  
COLLAR TIES 3" O.C.  
SIMPSON RAFTER TIES 1/2" O.C.  
AT ALL VAULTED CEILINGS

VERT TUBES 16" O.C.  
R-9 INSULATION W/V.B.  
2" X CEILING JOIST 16" O.C.  
1/2" CEILING DRYWALL  
ALUMINUM GUTTERS  
3" FASCIA  
2" X SUB FASCIA  
HARDIE BOARD FASCIA AND SOFFIT WITH VENTS 8" O.C.

HARDIE BOARD SIDING  
TYVEK  
1/2" OSB SHEATHING  
2" X 4 STUDS 16" O.C.  
R-15 INSULATION W/V.B.  
1/2" DRYWALL

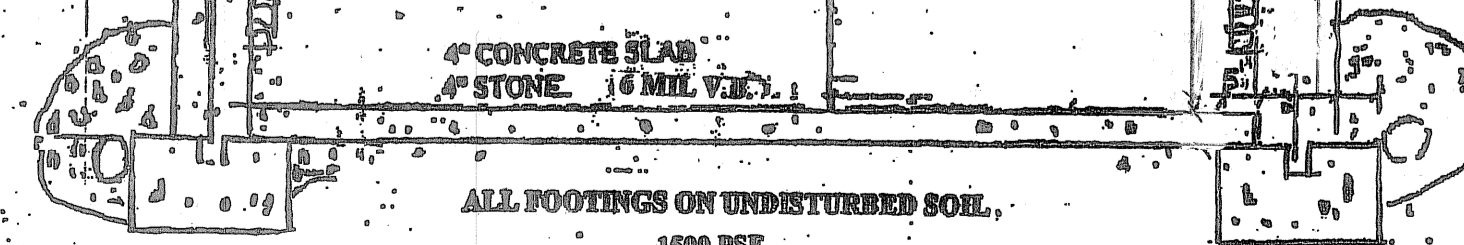
**FLOOR CONSTRUCTION**  
2" X 12 JOIST 16" O.C. H.F. #2 W BRIDGING 8" O.C.  
1/2" T & G PLYWOOD GLUED AND NAILED, APA RATED

**FLOOR CONSTRUCTION**  
2" X 12 JOIST 16" O.C. H.F. #2 W BRIDGING 8" O.C.  
1/2" T & G PLYWOOD GLUED AND NAILED, APA RATED

2" X 4 VENEER W/ WALL TIES 3" O.C.  
NAILED TO STUDS EVERY 5" COURSE  
1" AIR SPACE  
TYVEK  
1/2" OSB SHEATHING  
2" X 4 STUDS 16" O.C.  
R-15 INSULATION W/V.B.  
1/2" DRYWALL  
25 MIL BASE FLASHING 12" UP THE WALL  
WEEP HOLES 24" O.C.

**FOUNDATION CONSTRUCTION**  
1/2" FIBERGLASS SILL SEALER  
2" X 4 STRUTTED SILL PLATE  
1/2" X 1/2" ANCHOR BOLTS 8" O.C. AND 1/2" EACH CORNER 7" INTO CONCRETE  
DAMP PROOFING  
10" CONCRETE WALL  
4" DRAIN TILE WITH 12" STONE COVER  
20" X 10" CONCRETE FOOTING

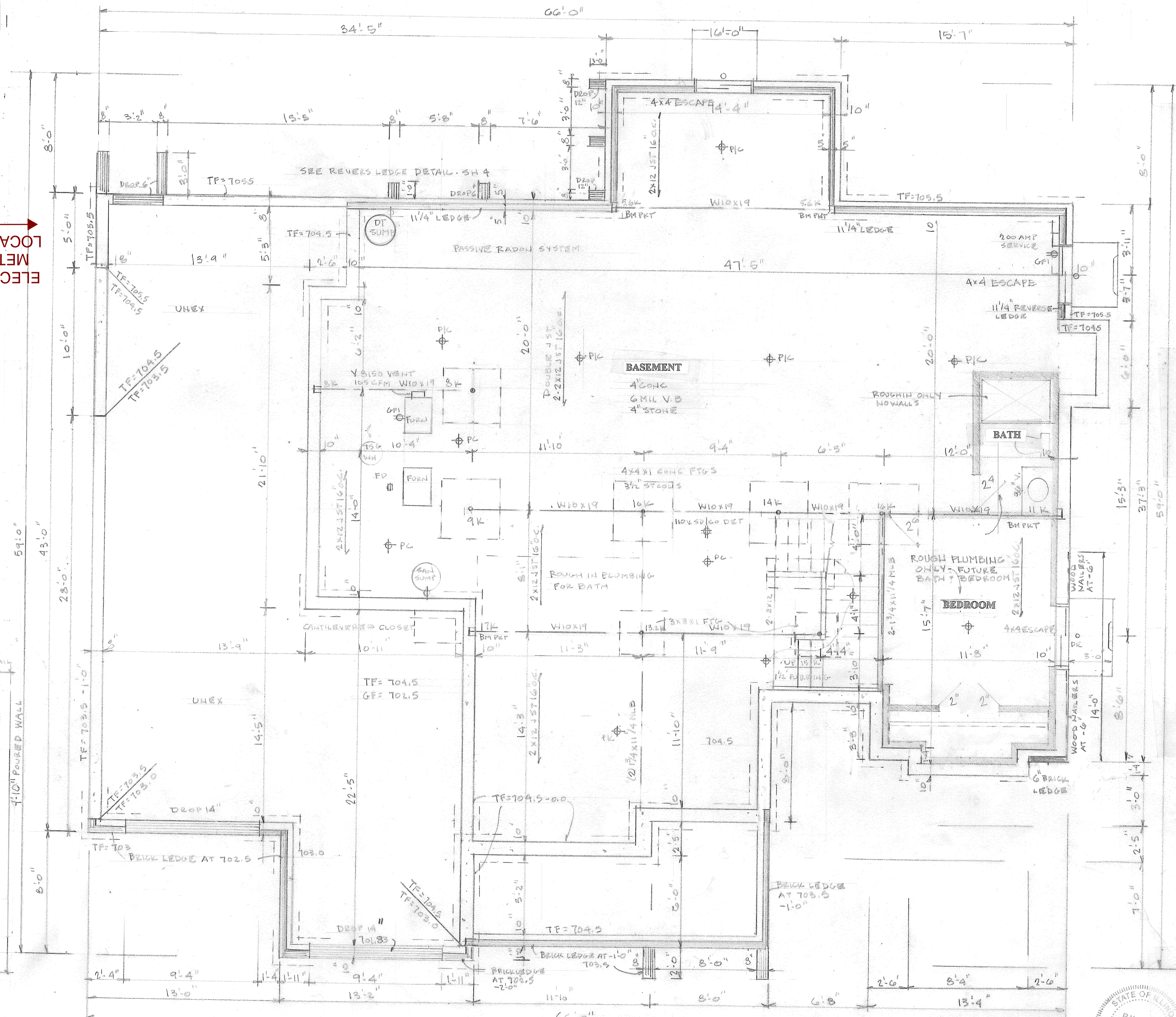
- MIN 2 ANCHOR BOLTS PER SECTION OF SILL PLATE
- ALL CONCRETE SHALL BE 6% AIR ENTRAINMENT
- ALL CONCRETE EXPOSED TO THE ELEMENTS SHALL BE A 6 BAG MIX



**MASONRY VENEER WALL SECTION**  
SCALE: 1/2" = 1'-0"

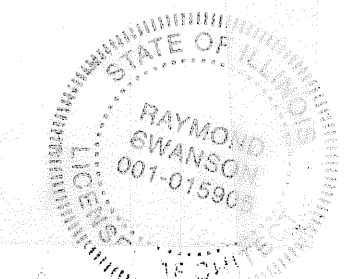
**FRAME WALL SECTION**  
SCALE: 1/2" = 1'-0"

ELECTRIC METER LOCATION



**FOUNDATION PLAN**

REVIEWED FOR SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE CODES. THIS REVIEW DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL CITY OF NAPERVILLE CODES.



REVISIONS	BY
5-10-2022	
5-17-2022	
7-11-2022	
GRADE	

**ARCHITECTS PLUS LTD**  
10 S 373 NORMANTOWN ROAD  
NAPERVILLE, IL 60564  
630-978-7670

**THE LEWIS RESIDENCE**  
525 E. HILLSIDE  
NAPERVILLE, IL.

**AUTUMN HOMES**  
630-983-6220

CITY OF NAPERVILLE  
Permit # 22-2696  
Rev # 3 Date 09/12/2022  
Code Official: rfrerford

DRAWN: P5, EC  
CHECKED:  
DATE: 5-6-2022  
SCALE: 1/4" = 1'-0"  
JOB NO.: 22-525  
SHEET:

5

OF FIVE SHEETS