

# PROPOSED ONE FAMILY HOUSE

## 20931 BAYVIEW DR, GRANTSBURG, WI 548408443

### (ZONING CALCULATIONS)

SECTION # 21 LOT # 14 ZONE # RR-3

EXISTING LOT AREA = 102644.0s.f = 2.36 ACRES

30-83 MINIMUM REQUIRED LOT AREA AND LOT WIDTH

MINIMUM REQUIRED LOT AREA = 43560.00s.f

MINIMUM REQUIRED LOT WIDTH = 150.0'

ACTUAL LOT AREA = 102664.0s.f

ACTUAL LOT WIDTH = 553.89'

#### FLOOR AREA

PROPOSED CELLAR FLOOR AREA = 1364.51s.f

PROPOSED FIRST FLOOR AREA = 2114.63s.f

PROPOSED DETACHED GARAGE AREA = 1135.50s.f

ACTUAL FLOOR AREA = 3249.63s.f

#### 30-84 DENSITY REQUIREMENT:

PROPOSED ONE FAMILY HOUSE AND DETACHED GARAGE

#### 30-120 FRONT YARD

(b)

REQUIRED FRONT YARD = 30'-0"

PROPOSED FRONT YARD = 85'-0"

#### 30-120 SIDE YARD

(c)

REQUIRED SIDE YARDS = MIN. 10'-0" WIDE

PROPOSED SIDE YARDS = 35'-10 1/2"

#### 30-120 REAR YARD

(d)

REAR YARD REQUIRED = 40'-0"

PROPOSED REAR YARD = 120'-0"

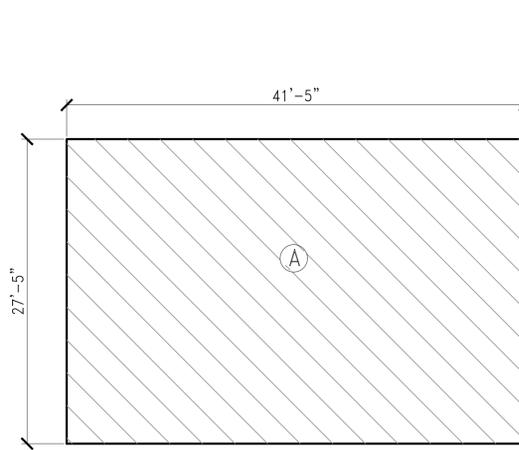
#### 23-631 PLANTING REQUIREMENT

SEE SITE PLAN FOR YARD PLANTING AREA

#### 30-413 HEIGHT

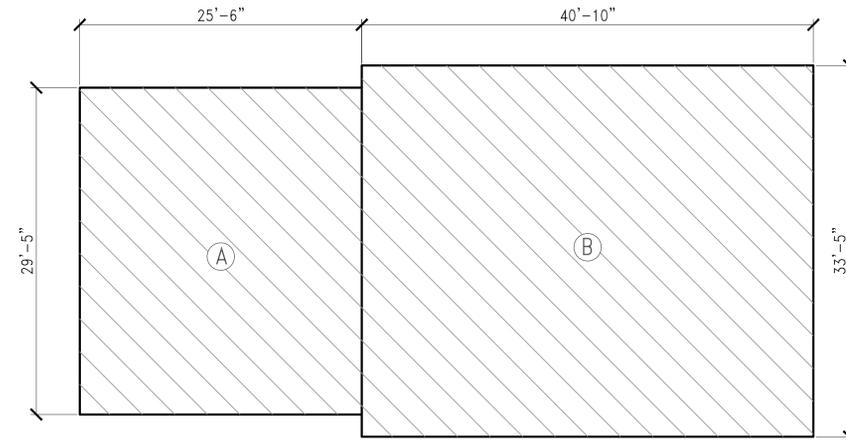
PERMITTED BUILDING HEIGHT = 40'-0"

ACTUAL BUILDING HEIGHT = 34'-0"



DETACHED GARAGE FLOOR AREA DIAGRAM

A = 41'-5" x 27'-5" = 1135.50s.f  
TOTAL FLOOR AREA = 1135.50s.f

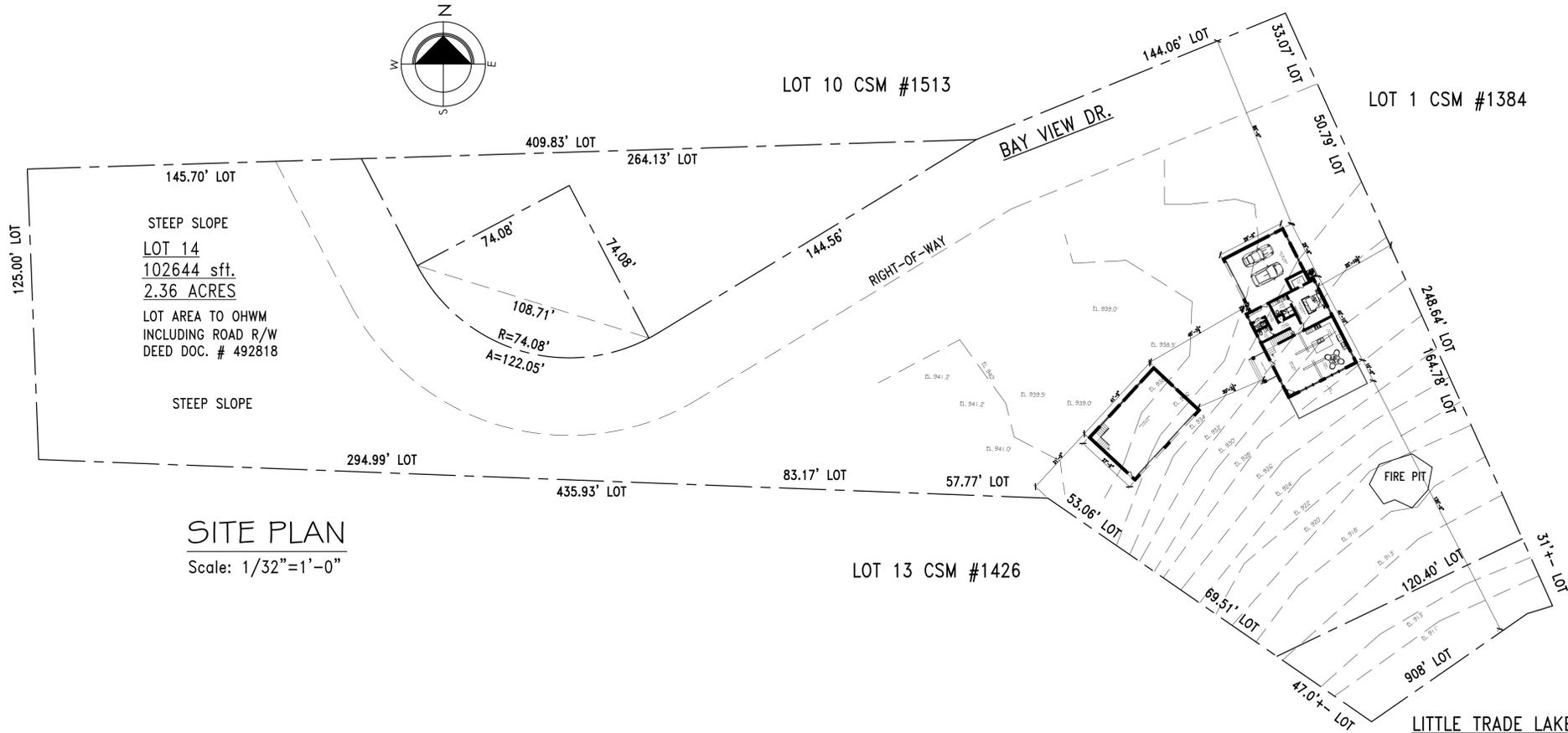
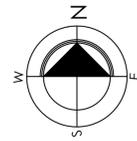


FIRST FLOOR AREA DIAGRAM

A = 25'-6" x 29'-5" = 749.95s.f  
B = 40'-10" x 33'-5" = 1364.51s.f  
TOTAL FLOOR AREA = 2114.46s.f

### LIST OF DRAWING

A-001.00	ZONING CALCULATIONS, NOTES AND SITE PLAN	S-001.00	FRAMING FLOOR PLAN
A-002.00	CONSTRUCTION NOTES	S-002.00	FRAMING FLOOR PLAN
A-003.00	CONSTRUCTION FOUNDATION PLAN AND DETAILS	S-003.00	FRAMING FLOOR PLAN
A-004.00	CALLER LEVEL CONSTRUCTION PLAN	S-004.00	FRAMING FLOOR PLAN
A-005.00	FIRST FLOOR CONSTRUCTION PLAN	G-001.00	CONSTRUCTION FLOOR PLANS AND DETAILS
A-006.00	ATTIC FLOOR CONSTRUCTION PLAN	G-002.00	GARAGE ELEVATIONS
A-007.00	CONSTRUCTION DOOR / WINDOW SCHEDULE & NOTES	G-003.00	GARAGE SECTIONS AND CONSTRUCTION DETAILS
A-008.00	HOUSE ELEVATIONS	GE-04.00	DETACHED GARAGE LIGHTING PLANS AND DETAILS
A-009.00	HOUSE ELEVATIONS	GS-01.00	FRAMING FLOOR PLANS
A-010.00	HOUSE SECTIONS AND CONSTRUCTION DETAILS	M-001.00	MECHANICAL FLOOR PLANS & NOTES
A-011.00	WALL TYPES AND CONSTRUCTION DETAILS	M-002.00	MECHANICAL FLOOR PLANS & NOTES
P-001.00	PLUMBING NOTES, RISER DIAGRAM AND DETAILS	GM-01.00	GARAGE MECHANICAL PLANS & NOTES
E-001.00	LIGHTING PLANS	D-001.00	CONSTRUCTION DETAILS
E-002.00	LIGHTING PLAN AND NOTES	D-002.00	CONSTRUCTION DETAILS
		D-003.00	CONSTRUCTION DETAILS



### SITE PLAN

Scale: 1/32" = 1'-0"

Project:  
NEW ONE FAMILY HOUSE  
20931 BAYVIEW DR,  
GRANTSBURG, WI  
548408443

NO.	Date:	Remarks

ZONING CALCULATIONS,  
NOTES AND SITE PLAN

Scale: As shown Seal & signature

Drawn By: M.Adil

Chk. By:

Drawing No.

A-001.00

Date: 10-11-25 1 OF 29

Project # BUILDINGS DEPARTMENT APPLICATION #

26-10

## FRAMING NOTES

- 1.ALL STRUCTURAL LUMBER IS TO BE STRUCTURAL GRADE NUMBER 2 DOUGLAS FIR-LARCH (NORTH) OR BETTER WITH A FIBER STRESS IN BENDING OF 850PSI, A MODULUS OF ELASTICITY OF 1.4 MILLION PSI MINIMUM WITH A SPECIFIC GRAVITY OF .49. STUDS ARE TO BE DOUGLAS FIR-LARCH STUD GRADE WITH A FIBER STRESS IN BENDING OF 700PSI, A MODULUS OF ELASTICITY OF1.4 MILLION AND A SPECIFIC GRAVITY OF .49.
2. ALL PARTITIONS TO HAVE A SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE (TOP PLATE JOINTS TO BE STAGGERED 24" MINIMUM), OVERLAPPED AT ALL CORNERS AND INTERSECTIONS WITH BEARING PARTITIONS. ALL WALL CORNERS TO BE SOLID, NO BLOCKING IS PERMITTED. THE MAXIMUM HEIGHT OF ANY EXTERIOR BEARING STUD SHALL BE 10'-0". ALL OPENINGS TO BE FRAMED WITH DOUBLE FRAMING MEMBERS EACH SIDE OF THE OPENING WITH A MINIMUM OF 2-2X6 (WITH ½" PLYWOOD INSERT) UNLESS OTHERWISE NOTED ON THE PLANS. PROVIDE TWO (2) JACK STUDS AT EACH SIDE OF ANY BEARING WINDOW OR DOOR OPENING.
3. BOTTOM SILL PLATE TO BE TREATED TO PREVENT INSECT AND DECAY, APPROVED FOR RESIDENTIAL USE AND BE INSTALLED ON ½"X6" SILL INSULATION OVER METAL TERMITE SHIELD AND AN ADDITIONAL ½"X6" SILL INSULATION. INSURE NO DIRECT CONTACT BETWEEN TREATED SILL AND TERMITE SHIELD.
4. ALL WINDOWS TO BE SET WITH A HEAD HEIGHT OF 80" AT ALL FLOORS UNLESS OTHERWISE NOTED. DOORS TO BE SET AT THE SAME HEIGHT.
5. DOUBLE UP ALL JOISTS AT ROOF AND FLOOR OPENINGS. HEADERS TO BE DOUBLED AND MATCH DEPTH OF ADJACENT FRAMING.
6. WHERE FRAMING MEMBERS ARE 2X10 OR GREATER, INSTALL SOLID BLOCKING AT POINTS OF BEARING (FLOOR JOISTS OR RAFTERS) TO PREVENT ROTATION AS REQUIRED BY RCNYS 802.8.
7. ROOF, FLOOR AND CEILING JOIST FRAMING IS TO BEAR A MINIMUM OF 1-1/2" ON EACH SIDE WHEN BEARING ON A STUD PARTITION AND 3" MINIMUM WHEN BEARING ON A MASONRY PARTITION. WHERE JOISTS OVERLAP AT A BEARING PARTITION, THEY SHALL OVERLAP EACH OTHER A MINIMUM OF 3" AND BE NAILED AS REQUIRED IN THE NAILING SCHEDULE IN ADDITION TO THE CONNECTORS REQUIRED (SEE DETAILS).
8. WHERE POSTS ARE CALLED FOR, THEY ARE TO BE CARRIED DOWN TO FOUNDATION WALL OR FOOTING, THROUGH SUBFLOOR AS REQUIRED.
9. INSTALL 8 SHEETS OF ½" PLYWOOD (B-C FACE) AT ATTIC IN LOCATION TO BE SPECIFIED BY OWNER.
10. INSTALL SOLID BLOCKING EQUAL IN DEPTH TO FRAMING MEMBER AT MIDSPAN OR 8'-0" ON CENTER (WHICHEVER IS LESS) IN ALL FLOOR AND CEILING CONSTRUCTION.
11. AT WALL CONDITIONS, INSTALL SOLID BLOCKING BETWEEN STUDS AT 8'0"OC VERTICALLY. SEE DETAILS AND NOTES FOR INFORMATION REGARDING ADDITIONAL FIREBLOCKING AT SOFFITS, FLOORS, WALLS AND CEILINGS.
12. AT ALL CORNERS, GABLE ENDS AND ROOF OVERHANGS SHALL BE REINFORCED BY THE APPLICATION OF WATERPROOF INDUSTRIAL ADHESIVE APPLIED TO ALL BEARING SURFACES OF ANY PLYWOOD SHEET USED IN THE SHEATHING OF SUCH CORNER, GABLE END OR ROOF OVERHANG.
13. INSTALL HORIZONTAL BLOCKING AT ALL WALL SHEATHING JOINTS UTILIZED AS SHEAR WALLS (SEE SHEAR WALL NOTES).
14. WHERE RAFTER TIES ARE NOTED, INSTALLATION TO BE SIZED AS NOTED, WITH ONE TIE FASTENED TO EACH SIDE OF RAFTER WITH 5-10D COMMON NAILS EACH SIDE TOGETHER WITH NOTED CONNECTOR (SEE DETAIL). SPACING TO BE AT 32" OC. LOCATION OF RAFTERS TO BE DETERMINED AS REQUIRED BY THE LOCATION REQUIREMENTS.
15. DOUBLE ALL BEAMS LOCATED BELOW AND PARALLEL TO PARTITIONS ABOVE. WHERE OPENINGS OCCUR WHERE NO PARTITIONS ARE PRESENT, THE TABLE ON SHEET A1 IS TO BE USED TO DETERMINE LUMBER SIZES AND CONNECTIONS.

## PRE-ENGINEERED LUMBER NOTES

- 1.PRE-ENGINEERED LUMBER TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. UNLESS OTHERWISE NOTED, LSL MEMBERS TO BE 1.55E TIMBERSTRAND AND PSL MEMBERS TO BE 2.0E PARALLAM, BOTH AS MANUFACTURED BY TRUSJOIST CORPORATION.
2. UNLESS OTHERWISE NOTED, ALL LSL AND PSL MEMBERS ARE TO BE ONE PIECE, FULL WIDTH AND DEPTH. WHERE CALLED FOR ONLY, MULTI-PIECE MEMBERS TO BE FASTENED TOGETHER AS NOTED ON THE DRAWINGS AND DESCRIBED HERE:
  - A. INSURE A MINIMUM OF 3' OF BEARING ON EACH END OF BEAM UNLESS OTHERWISE NOTED. BEARING AT INTERMEDIATE SUPPORTS TO BE 7".
  - 3.ALL PRE-ENGINEERED LUMBER EXPOSED TO THE WEATHER IS TO BE COVERED, ENCASED AND PROTECTED AS REQUIRED TO PREVENT EXPOSURE.
  4. FRAMING OF LUMBER TO THE EDGE OF ANY PRE-ENGINEERED LUMBER IS TO BE WITH METAL CONNECTORS DESIGNED FOR THE SPECIFIC USE BY SIMPSON STRONG TIE (SST) OR UNITED STEEL PRODUCTS (USP) TO BE FASTENED AS REQUIRED BY MANUFACTURER.

## METAL CONNECTOR NOTES

- 1.CONNECTORS SPECIFIED ON THESE DRAWINGS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. APPROVED MANUFACTURERS ARE UNITED STEEL PRODUCTS (USP) AND SIMPSON STRONG TIE CORP (SST) ONLY. EVERY EFFORT HAS BEEN MADE TO PROVIDE EQUIVALENT PART NUMBERS FOR BOTH COMPANIES. WHERE NO EQUIVALENT PART IS NOTED, THE CONTRACTOR IS PERMITTED TO SUBSTITUTE THE OTHER COMPANY'S PART ONLY WITH THE APPROVAL OF THE ARCHITECT.
3. AT CONNECTION PART NUMBERS ARE ISSUED FOR REFERENCE ONLY. EXACT ORDERING INFORMATION AND REQUIRED OPTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE FOLLOWING COATING ARE TO BE FACTORY APPLIED SHIPPED READY FOR INSTALLATION:
  - CONNECTORS AND FASTENERS IN CONTACT WITH TREATED LUMBER (FOR PRESERVATION OR INSECT REPELLING) ARE TO BE HOT DIPPED GALVANIZED COATING, PROVIDING A MINIMUM OF 1.1 TO 2.3 OUNCES OF ZINC PER SQUARE FOOT OF SURFACE (ASTM A153).
  - CONNECTORS AND FASTENERS IN CONTACT WITH CONCRETE MUST BE TYPE 304 OR 316 STAINLESS STEEL. STAINLESS STEEL CONNECTORS MUST USE STAINLESS STEEL FASTENERS.

## SHEATHING (STRUCTURAL PANEL) NOTES

- 1.SUB-FLOORING IS TO BE ¾" PLYWOOD, C/C FACE, DESIGNED FOR INTERIOR USE WITH A MINIMUM RATING OF 48/24. SUB-FLOORING AT AREAS OF CERAMIC TILE, RADIANT HEATING TO BE EXTERIOR GRADE. NAILING IN ALL CASES TO BE WITH 8D COMMON NAILS, 6"O.C. AT PERIMETER AND 12" OC WITHIN THE FIELD OF THE BOARD. ADDITIONALLY, ALL SUB-FLOORING TO BE GLUED TO THE FRAMING MEMBERS BELOW USING ADHESIVE SPECIFICALLY DESIGNED FOR THE PURPOSE IN A CONTINUOUS "S" PATTERN OVER THE FULL LENGTH OF THE JOIST. PANELS TO BE LAID WITH THE LONG DIMENSION ACROSS THE FRAMING MEMBERS, OFFSET JOINTS 48". APPLY ONLY ENOUGH ADHESIVE TO LAY ONE OR TWO PANELS AT A TIME UNLESS PERMITTED BY THE ADHESIVE MANUFACTURER.
2. SUB-FLOORING TO BE SET SO THAT ADJACENT FINISHED FLOORS WILL MATCH NEW FINISHED FLOORS. PROPOSED FINISH FLOOR IN AREAS OF NEW WORK TO BE DETERMINED BY OWNER.
3. EXTERIOR WALL SHEATHING TO BE 15/32" PLYWOOD, C/C FACE WITH A SPAN RATING OF 32/16, DESIGNED FOR EXTERIOR USE. NAILING IN ALL CASES TO BE WITH 8D COMMON NAILS, 6"O.C. AT PERIMETER AND 12" OC WITHIN THE FIELD OF THE BOARD. PANELS TO BE LAID WITH THE LONG DIMENSION ACROSS THE FRAMING MEMBERS, OFFSET JOINTS 48".

4. SEE ROOFING NOTES FOR INFORMATION ON ROOF SHEATHING AND INSTALLATION
5. SHEATHING EXPOSED TO THE WEATHER IS TO BE COVERED IMMEDIATELY WITH A MINIMUM OF ONE LAYER OF 15# FELT UNTIL SUCH TIME AS FINAL FINISH CAN BE APPLIED.
6. ALL SHEATHING IS TO HAVE A MINIMUM SPACING BETWEEN SHEETS AS REQUIRED BY THE AMERICAN PLYWOOD ASSOCIATION AND BE CLEARLY INDICATED WITH A GRADE MARK OF CERTIFICATE OF INSPECTION ISSUED BY AN AGENCY APPROVED TO PROVIDE SUCH SERVICES.
7. INSTALL BLOCKING AS REQUIRED TO INSURE ADEQUATE NAILING SURFACE WHERE REQUIRED. EDGE CLIPS MAY BE SUBSTITUTED FOR BLOCKING AT ROOF CONDITION, INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
8. ORIENTED STRAND BOARD IS NOT TO BE USED FOR SUB-FLOORING OR SHEATHING IN ANY CASE.

## SHEAR WALL NOTES

- 1.SHEAR WALL LOCATIONS ARE SHOWN ON THE PLAN AS REQUIRED BY CODE. EXACT WIDTH TO BE AS NOTED, CONSTRUCTED AS NOTED HERE. THE EXACT HEIGHT TO BE DETERMINED BY THE NUMBER OF FLOORS PROPOSED AND SILL CONDITION. SHEAR WALL TO CONSIST OF 2X4 FRAMING, 16" OC WITH 15/32" PLYWOOD, C/C FACE SHEATHING, NAILED 6" OC AT PERIMETER AND 12" OC WITHIN THE FIELD. PROVIDE SOLID BLOCKING AT ALL PANEL JOINTS TO INSURE PROPER NAILING. WALL TO EXTEND FROM BOTTOM SILL TO TOP OF TOP PLATE AT HIGHEST FLOOR, EXACT WIDTH AT EACH FLOOR AS NOTED ON THE PLANS. SPECIFIED HOLD-DOWNS TO BE INSTALLED AT EACH END OF WALL AND INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS. AT INTERIOR, WALL TO BE ½" GYPSUM WALLBOARD, UNBLOCKED WITH 5D COOLER NAILS, 6" OC AT PERIMETER AND 12" OC WITHIN THE FIELD.

## STEEL NOTES

- 1.ALL STEEL SHALL BE A-36 AND BE SIZED FOR THE LOAD APPLIED. THE FABRICATOR SHALL DESIGN ALL CONNECTIONS AND REINFORCING REQUIRED FOR THE MAXIMUM APPLIED LOAD AND MOMENT CONNECTION PERMITTED FOR THE DESIGNED BEAM. ALL STEEL IS TO BE SHOP PRIMED WITH A RUST INHIBITOR AFTER ALL DRILLING AND PREPARATION IS COMPLETED.
- 2.UNLESS OTHERWISE NOTED, ALL STEEL COLUMNS TO 3-1/2" DIAMETER, STANDARD WEIGHT WITH AN 8'X8'X3/8" STEEL BASE PLATE WITH A MINIMUM OF (2)-1/2" DIAMETER BOLTS SET IN FOOTING DURING POUR WITH A MINIMUM OF 7" EMBEDMENT. COLUMNS TO BE SHOP PRIMED (RUST INHIBITIVE) INSIDE AND OUT.
- 3.ALL STEEL BEAMS DESIGNED TO BEAR ON FOUNDATION WALLS TO SIT ON A MINIMUM OF 8'X6'X3/8" STEEL PLATES WITH A MINIMUM OF (2)-1/2" DIAMETER BOLTS SETS IN FOOTING DURING POUR WITH A MINIMUM OF 7" EMBEDMENT.
- 4.WHERE COLUMNS ARE TO BE SET ON EXISTING FOUNDATION WALLS, PRE-DRILL SETTING BOLTS AND SET PLATE LEVEL WITH NON-SHRINKING GROUT.

## FIRE RATED PARTITION, CEILING AND PENETRATION NOTES

- 1.NEW ONE HOUR RATED PARTITIONS AROUND SEPARATING GARAGE FROM RESIDENCE AND HEATING EQUIPMENT ROOM FROM RESIDENCE TO HAVE ONE LAYER OF GEORGIA-PACIFIC DENS-ARMOUR PLUS INTERIOR PANELS EACH SIDE OF 3-5/8" METAL FRAMING, 24" OC (UL465- 1 HOUR).
- 2.RATED PARTITIONS TO HAVE TOP AND BOTTOM EDGES PROPERLY SEALED WITH ALL GYPSUM BOARD PANEL JOINTS PROPERLY TAPED AND SPACKLED, THREE COATS.
- 3.ANY DOOR AND FRAME LOCATED WITHIN A FIRE RATED PARTITION TO BE SELF CLOSING AND FIRE RATED AT 45 MINUTES MINIMUM. FIRE RATING TO BE CLEARLY INDICATED BY APPROVED TESTING ORGANIZATION ON THE DOOR EDGE.
- 4.RATED CEILINGS AT GARAGE AND AT ALL WALLS AND CEILING AT HEATING EQUIPMENT ROOM TO HAVE ONE LAYER OF 5/8" THICK TYPE X FIRECODE GYPSUM WALLBOARD PROPERLY FASTENED WITH ALL JOINTS PROPERLY SEALED, TAPED AND SPACKLED.

## FIREBLOCKING NOTES

- 1.ALL FIREBLOCKING IS TO BE COMPLETED IN ACCORDANCE WITH RCNYS 8602.8. FIREBLOCKING IS TO BE INSTALLED TO CUT OF CONCEALED HORIZONTAL AND VERTICAL DRAFT OPENINGS AND FORM AN EFFECTIVE BARRIER BETWEEN STORIES AND BETWEEN THE TOP STORY AND THE ROOF SPACE. FIREBLOCKING SHALL BE INSTALLED IN THE FOLLOWING LOCATION: § IN CONCEALED SPACES OF STUD WALLS INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS AS FOLLOWS:
    - VERTICALLY AT THE CEILING A FLOOR LEVELS OR 8'-0"OC (WHICHEVER IS LESS).
    - HORIZONTALLY AT INTERVALS NOT EXCEEDING 10'-0"§ AT ALL INTERCONNECTIONS BETWEEN ALL CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS. § IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH R311.2.2
  - § AT OPENINGS AROUND VENTS, PIPES AND DUCTS AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE FLAME AND PRODUCTS OF COMBUSTION.
  - § AT FIREPLACES AND CHIMNEYS IN ACCORDANCE WITH R1001.16.
- 2.FIREBLOCKING SHALL CONSIST OF 2" NOMINAL LUMBER, 23/32" PLYWOOD, (W/ OVERLAPPING JOINTS) OR (2) LAYERS OF ½" GYPSUM WALLBOARD (OVERLAPPED JOINTS). WHERE PIPE AND DUCT PENETRATIONS OCCUR AN APPROVED EXPANDING MATERIAL WITH THE REQUIRED FIREBLOCKING RATING CAN BE USED. THIS MATERIAL IS TO BE COLORED ORANGE TO INDICATE ITS SPECIFIC PURPOSE AS A FIREBLOCKING MATERIAL.

## INSULATION NOTES

- 1.ALL INSULATION IS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE RESIDENTIAL CODE OF NYS AND THE NYS ENERGY CONSERVATION CONSTRUCTION CODE.
- 2.WHERE INSULATION IS TO BE INSTALLED IN WALLS, INSULATION TO BE HAND FITTED BETWEEN STUDS WITH THE VAPOR RETARDER FACING THE HEATED SPACE AND THE FLANGES ARE TO STAPLED 8"-12" OC, LEAVING NO FISHMOUTHS.
- 3.WHERE INSULATION IS TO BE INSTALLED IN FLOORS OVER UNHEATED SPACES, INSULATION TO BE INSTALLED WITH THE VAPOR RETARDER FACING AND IN CONTACT WITH THE FLOOR.
- 4.WHERE INSULATION IS TO BE INSTALLED IN CEILINGS OR ROOF CONSTRUCTION, INSULATION TO BE HAND FITTED BETWEEN JOISTS WITH THE VAPOR RETARDER FACING THE HEATED SPACE AND THE FLANGES STAPLED 8"-12" OC LEAVING NO FISHMOUTHS.
- 5.WHERE INSULATION IS TO BE INSTALLED BETWEEN 2X12 FRAMING, CONTRACTOR TO INSTALL R38 HIGH DENSITY, KRAFT FACED FIBERGLASS INSULATION BY OWENS CORNING, CERTAINTEED OR EQUAL.
- 6.WHERE INSULATION IS TO BE INSTALLED BETWEEN 2X4 FRAMING, CONTRACTOR TO INSTALL R13 KRAFT FACED FIBERGLASS INSULATION BY OWENS CORNING, CERTAINTEED OR EQUAL.
- 7.WHERE INSULATION IS TO BE INSTALLED BETWEEN 2X6 FRAMING, CONTRACTOR TO INSTALL R21 KRAFT FACED INSULATION BY OWENS CORNING, CERTAINTEED OR EQUAL.
- 8.WHERE INSULATION IS TO BE INSTALLED WITHIN UNUSED CEILING AREAS, CONTRACTOR TO INSTALL R30. KRAFT FACED FIBERGLASS INSULATION BY OWENS CORNING, CERTAINTEED OR EQUAL.
- 9.INSULATION CONTRACTOR TO SEE ELECTRICAL NOTES FOR INSULATION

LIMITATIONS AROUND FAN MOTORS, RECESSED LIGHTING AND OTHER HEAT PRODUCING EQUIPMENT, IMPLEMENT AND VERIFY THOSE REQUIREMENTS HAVE BEEN MAINTAINED.

10. FOAM PLASTIC BOARD OF NOT MORE THAN ½" USED AS SIDING BACKER BOARD IS TO HAVE POTENTIAL HEAT OF NOT MORE THAN 2000BTU/SF WHEN TESTED IN ACCORDANCE WITH NFPA259. NO FOAM PLASTIC INSULATION IS TO BE USED AS A THERMAL BARRIER IN ANY CASE (AS DESCRIBED IN R314.1.2). NO FOAM INSULATION IS TO BE USED IN ANY ROOF COVERING ASSEMBLY, IN ATTICS OR CRAWL SPACES.

## KITCHEN NOTES

- 1.PROVIDE SEPARATE PRICESTO INSTALL OWNER SUPPLIED CABINETS INCLUDING ALL TRIM.
2. OWNER SUPPLIED CABINETS TO BE INSTALLED BY OTHERS.
3. INSTALL NEW FULL DEPTH SOFFIT AT UPPER CABINETS
4. INSTALL OWNER SUPPLIED FIXTURES INCLUDING SINK, REFRIGERATOR (WITH H2O DISPENSER), DISHWASHER, GARBAGE DISPOSAL, MICROWAVE, RANGE, ETC
5. CONTRACTOR TO COORDINATE WITH OWNERS CABINET CONTRACTOR FOR THE INSTALLATION OF ALL PLUMBING AND ELECTRICAL ROUGH-INS BY THE CONTRACTOR.
6. RANGE HOOD INSTALLATION TO BE IN STRICT ACCORDANCE WITH RCNYS SECTION M1502 AND/OR M1504.
7. NEW APPLIANCES MUST BE ENERGY STAR RATED.

## FINISH NOTES

- 1.ALL CLOSET INTERIORS BY OWNER. CONTRACTOR TO PROVIDE ADEQUATE BLOCKING (GROUNDS) FOR OWNER INSTALLED CLOSET INTERIOR.
2. INSTALL MEDICINE CABINETS AND VANITIES PROVIDED BY OWNER.
3. PROVIDE 5/8" GYPSUM WALLBOARD AT ALL WALLS, TAPED AND SPACKLED, 3 COATS READY FOR PAINT UNLESS OTHERWISE NOTED. INSTALL "WONDERBOARD" BEHIND AND AROUND TUBS, TOILETS, VANITIES AND WASHER/DRYER AREA. AT BATHROOMS, GYPSUM WALLBOARD TO BE TYPE WR.
4. INSTALL OWNER SUPPLIED CERAMIC TILE AT NEW BATHROOM FLOORS, WALLS AND FULL HEIGHT AROUND TUBS. SEE INTERIOR DESIGN INFORMATION FOR EXTENT OF CERAMIC TILE.
5. NEW EXTERIOR WALLS TO BE 5/8" GYPSUM WALLBOARD ON 2X6 FRAMING, 16" OC WITH R-21 FIBERGLASS INSULATION (SEE INSULATION NOTES) WITH EXTERIOR PLYWOOD SHEATHING (SEE SHEATHING NOTES), 3/8" FANBOARD INSULATION (TAPED JOINTS), "TYVEK" HOUSE WRAP AND EIFS SIDING. FRAMING TO BE HORIZONTALLY BLOCKED AS REQUIRED TO INSURE FULL LENGTH NAILING SURFACE AT PERIMETER OF SHEATHING SHEET AT SHEAR WALLS.
6. WHERE "TYVEK" HOUSEWRAP IS SPECIFIED, IT IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS WITH ALL REQUIRED ACCESSORIES AND DETAILS AS SHOWN ON THESE DRAWINGS.
7. SEE ADDITIONAL NOTES ON EIFS SIDING
8. ANY EXTERIOR SIDING ON THIS PROJECT IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TABLE R703.4 OF THE RCNYS.
9. NEW INTERIOR WALLS TO BE 5/8" GYPSUM WALLBOARD ON 2X4 FRAMING, 16" OC.
10. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY DROPPED SOFFITS AND BUILD OUTS AS REQUIRED BY PLUMBING CONTRACTOR. ALL SOFFITS AND BUILD OUT LOCATIONS ARE TO BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. SEE DETAILS FOR FIREBLOCKING AT SOFFITS AND DROPPED AREAS.
11. INSTALL NEW CONCEALED PULL DOWN LADDERS AT ATTIC. EXACT LOCATION TO BE DETERMINED WITH OWNER.
12. NEW STAIR TO BE OPEN STRINGER WITH OAK RISERS AND TREADS. TREAD SHALL HAVE A 1-1/8" NOSING IN ACCORDANCE WITH RCNYS R311.5. RAILING TO BE SELECTED BY OWNER AND BE INSTALLED BY THE CONTRACTOR WITH RAIL CLEARANCES AND VERTICAL SECTIONS SPACED TO CONFORM TO THE RESIDENTIAL CODE OF NYS, SECTIONS R312 TO R316.
13. THE UNDERSIDE OF ANY ENCLOSED STAIR IS TO BE FINISHED WITH 1 LAYER OF 5/8" TYPE X GYPSUM WALLBOARD.
14. NEW EXTERIOR COLUMNS TO BE 8" COLONIAL HD PERMAPOST AS MANUFACTURED BY HBAG (800-264-4424) . MANUFACTURER TO PROVIDE ALL REQUIRED BRACKETS AND CONNECTORS FOR INSTALLATION WITHIN A 100MPH WIND ZONE.
15. NEW EXTERIOR DOOR TO BE PURCHASED BY OWNER AND INSTALLED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL REQUIRED CONNECTORS AND PIECES NECESSARY FOR A COMPLETE INSTALLATION ARE DELIVERED.
16. NEW INTERIOR DOORS TO BE 3 PANEL MDF CORE WITH WOOD EDGES (OR EQUAL), PRIMED IMMEDIATELY UPON DELIVERY.
17. WHERE FOAM PLASTIC TRIM IS INSTALLED AS MOLDING, CEILING BEAMS, ETC; THE TRIM AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF R314.2.6

## CERAMIC TILE NOTES

1. ALL NEW CERAMIC TILE INSTALLATIONS ARE TO BE IN CONFORMANCE WITH THE 2016 HANDBOOK FOR CERAMIC TILE INSTALLATION, PUBLISHED BY THE TILE COUNCIL OF AMERICA.
2. INSTALL CERAMIC TILE (PROVIDED BY OWNER) TO 4' AFF AT ALL WALLS AND FULL HEIGHT AT TUB ENCLOSURE AT BATHROOM AND POWDER ROOM. AT MASTER BATHROOM INSTALL CERAMIC TILE FULL HEIGHT AT ALL CONDITIONS.
3. CERAMIC TILE INSTALLATIONS ON WOOD FLOORS TO BE COMPLETED USING THE FOLLOWING SPECIFICATION:  
F144-16 (THIN SET, BACKER BOARD WITH ANSI A118.10 WATERPROOF MEMBRANE), F141-16 (BED).
4. CERAMIC TILE INSTALLATIONS AT WALLS ARE TO BE COMPLETED USING THE FOLLOWING SPECIFICATION: W244-16 (BACKER BOARD), B412-16 (BACKER BOARD, TUB AREA), B415-16 (BACKER BOARD, SHOWER).
5. ALL SHOWERS TO HAVE CERAMIC TILE INSTALLED AT CEILING. INSTALLATIONS AT CEILINGS AND SOFFITS TO BE COMPLETED USING THE FOLLOWING SPECIFICATION:  
C312-16 (THIN SET), C315-16 (H2O RESISTANT).
6. WHERE THE USE OF CEMENTITIOUS BACKER UNITS (WONDERBOARD) IS SPECIFIED, THOSE UNITS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ANSI A108.11.
7. IN ALL CASES, INSTALLED BEVELED MARBLE SADDLE AT ALL DOORWAYS WHERE FLOOR FINISHES DIFFER OR VARY IN HEIGHT FROM THE CERAMIC TILE INSTALLATION.

## ROOF NOTES

1. PROVIDE ONE LAYER OF CERTAINTEED WINTERGUARD SHINGLE UNDERLAYMENT AT ALL ROOF EDGES AND VALLEYS (3'-0" WIDE ALL AROUND EACH SIDE) INCLUDING VERTICAL WALL CONDITIONS. AT OVERHANG CONDITIONS, EXTEND SYSTEM A MINIMUM OF 24" BEYOND THE INTERIOR OF THE EXTERIOR WALL LINE BELOW. ADDITIONALLY, PROVIDE ONE LAYER OF UNDERLAYMENT OVER ENTIRE ROOF AREA WHERE THE PITCH OF THE ROOF EXCEEDS A ¼ PITCH AND TWO LAYERS WHERE THE ROOF PITCH IS LESS THAN 4/12. UNDERLAYMENT IS TO BE INSTALLED IMMEDIATELY AFTER SHEATHING. NO ROOFING IS TO BE DONE WITHIN 48 HOURS OF INCLEMENT WEATHER.
2. PACKAGED ROOF SHINGLES SHALL NOT BE STACK LOADED ON ROOF AREA PRIOR TO INSTALLATION.
3. ROOF SHINGLE TO BE CERTAINTEED HATTERAS SHINGLE SYSTEM INSTALLED OVER UNDERLAYMENT AS PER THE MANUFACTURERS INSTRUCTION FOR A 110MPH REGION. NO ROOFING IS TO BE DONE WITHIN 48 HOURS OF PREVIOUS

INCLEMENT WEATHER TO PERMIT DRYING.

4. FASTENERS USED IN ANY ASPHALT SHINGLE INSTALLATION TO COMPLY WITH RCNYS R905.2.5.

5. PROVIDE CONTINUOUS RIDGE VENT AT ANY NEW RIDGE. PROVIDE FLASH FILTER VENT BY AIR VENT CORPORATION AT ROOF CONNECTIONS TO WALLS.
6. INSTALL NEW SEAMLESS GUTTERS AT LOCATIONS NOTED, COLOR TO BE WHITE UNLESS DESIGNATED OTHERWISE ON THE DRAWINGS. INSTALL NEW LEADERS AT LOCATIONS TO BE DETERMINED. LEADERS TO HAVE EXTENSIONS TO DIVERT ALL WATER AWAY FROM HOUSE, A MINIMUM OF THREE FEET.
7. ROOFING SHEATHING TO BE 9/16" PLYWOOD, C/C FACE, DESIGNED FOR EXTERIOR USE WITH A MINIMUM RATING OF 32/16. NAILING IN ALL CASES TO BE WITH 8D COMMON NAILS, 6"O.C. AT PERIMETER AND 12" OC WITHIN THE FIELD OF THE BOARD. PANELS TO BE LAID WITH THE LONG DIMENSION ACROSS THE FRAMING MEMBERS, OFFSET JOINTS 48". ORIENTED STRAND BOARD IS NOT TO BE USED UNDER ANY CONDITIONS.
8. SHEATHING EXPOSED TO THE WEATHER IS TO BE COVERED IMMEDIATELY WITH A MINIMUM OF ONE LAYER OF 15# FELT UNTIL SUCH TIME AS FINAL FINISH CAN BE APPLIED.
9. ALL SHEATHING IS TO HAVE A MINIMUM SPACING BETWEEN SHEETS AS REQUIRED BY THE AMERICAN PLYWOOD ASSOCIATION AND BE CLEARLY INDICATED WITH A GRADE MARK OF CERTIFICATE OF INSPECTION ISSUED BY AN AGENCY APPROVED TO PROVIDE SUCH SERVICES.
10. INSTALL BLOCKING AS REQUIRED TO INSURE ADEQUATE NAILING SURFACE WHERE REQUIRED. EDGE CLIPS MAY BE SUBSTITUTED FOR BLOCKING AT ROOF CONDITION, INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.

## WEATHERPROOFING NOTES

1. EXTERIOR HOUSEWRAP SHALL BE TYVEK HOMEWRAP OR APPROVED EQUAL, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THESE DETAILS.
2. SEAL ALL HOUSEWRAP JOINTS AND PENETRATIONS WITH TAPE APPROVED FOR THE USE BY THE HOUSEWRAP MANUFACTURER.
3. FASTEN HOUSEWRAP TO SHEATHING WITH LARGE HEAD NAILS OR USE NAILS WITH LARGE PLASTIC WASHER HEADS, SUCH AS DUPONT WRAPCAPS OR EQUAL.
4. WHERE CONFLICTS OCCUR BETWEEN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE RESIDENTIAL CODE OF WISCONSIN OR THE LOCAL BUILDING LAWS, THE CODES SHALL PREVAIL.

## HEATING AND VENTILATION NOTES (GENERAL)

1. ANY NEW WORK IS TO BE IN FULL COMPLIANCE WITH THE WISCONSIN ENERGY CONSERVATION AND CONSTRUCTION CODE. IF SYSTEM IS NOT CAPABLE OF SUPPORTING THE PROPOSED WORK, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE IN HIS PROPOSAL A COMPLETE DESCRIPTION OF THE WORK REQUIRED TO HEAT THE NEW WORK.
2. WHERE A MECHANICAL VENTILATION SYSTEM IS USED IN PLACE OF NATURAL VENTILATION (SEE DRAWINGS) IN HABITABLE SPACES, THE HVAC CONTRACTOR IS TO INSURE A 35% AIR CHANGE PER HOUR BASED ON THE CUBIC FEET INCLUDED WITHIN THE HABITABLE SPACE.
3. ANY DUCTWORK INSTALLED AS PART OF ANY INSTALLATION ON THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH RCNYS CHAPTER 16.
4. ALL ELECTRICAL CONNECTIONS REQUIRED AS PART OF THE HEATING, VENTILATION AND COOLING SYSTEMS ARE THE RESPONSIBILITY OF THE HVAC CONTRACTOR.
5. THE HVAC CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL DUCTWORK IS INSTALLED IN ACCORDANCE WITH THE RESIDENTIAL CODE OF NYS AND THE MECHANICAL CODE OF NYS.
6. DUCTWORK PENETRATING FLOORS AND WALLS MUST BE PROPERLY CUT, REPAIRED AND SEALED AS REQUIRED. UNDER NO CIRCUMSTANCES SHOULD TOP PLATES BE CUT THROUGH ENTIRELY.
- WHERE VERTICAL PENETRATION MUST OCCUR AT WALLS TO A DEPTH GREATER THAN 50% OF THE WALL THICKNESS, A MINIMUM 16 GA.X1.5" WIDE METAL TIE SHOULD CONNECT EACH SIDE OF THE NOTCH AND BE NAILED WITH 8-16D COMMON NAILS ON EACH SIDE OF NOTCH (SEE DETAIL). NO DUCTWORK IS TO BE INSTALLED BELOW THE DESIGN FLOOR ELEVATION.
6. IN CONCEALED LOCATIONS WHERE PIPING OTHER THAN BLACK OR GALVANIZED STEEL IS INSTALLED THROUGH HOLES OR NOTCHED STUDS, THE PIPE SHALL BE PROTECTED BY SHIELD PLATES COMPLYING WITH SECTION 405.5.1 OF THE FUEL GAS CODE OF NYS COVERING A MINIMUM OF 4' AROUND PENETRATION.
8. THE HEATING CONTRACTOR IS TO VERIFY AND INSURE THE INSTALLATION OF ADEQUATE COMBUSTION AIR IN ACCORDANCE WITH RCNYS CHAPTER 17 (ALL SECTIONS).
9. NEW HEATING EQUIPMENT TO BE ≥95% AFUE BOILER.
10. NEW EQUIPMENT TO PROVIDE ≥3 AIR CHANGES PER HOUR AS PER 2015 NYSECC.
11. PROVIDE MECHANICAL VENTILATION ≥110CFM WITH A MINIMUM OF ONE ENERGY STAR BATH FAN WITH AN ELECTRONIC PROGRAMMABLE TIMER.
12. NEW EQUIPMENT TO HAVE A MINIMUM SEER ≥16.0

## HEATING AND COOLING NOTES (GAS)

1. ALL WORK IS TO BE INSTALLED OR SUPERVISED BY A MASTER PLUMBER WHO IS LICENSED TO WORK WITHIN THE MUNICIPALITY THAT THE WORK OCCURS.
2. ALL CONNECTIONS, INSTALLATIONS AND VENTING ARE TO BE IN STRICT ACCORDANCE WITH THE RESIDENTIAL CODE OF NYS, NATIONAL GRID AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. INSTALL NEW 100 GALLON GAS FIRED HOT WATER HEATER. ENTIRE INSTALLATION BE IN ACCORDANCE WITH THE RESIDENTIAL CODE OF NYS, NATIONAL GRID AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. IN ALL CASES, WHERE GAS EQUIPMENT IS INSTALLED, CONTRACTOR TO VERIFY AND INSURE THAT ADEQUATE AMOUNT OF OUTSIDE COMBUSTION AIR ARE AVAILABLE AT ALL TIMES.

## VENTILATION NOTES (EXHAUST)

1. INSTALL DRYER VENT TO EXTERIOR. INSTALLATION OF VENT TO BE IN ACCORDANCE WITH RCNYS SECTION M1501.
2. VENT GAS FIRED RYER, RANGE, AND WALL OVEN TO EXTERIOR IN ACCORDANCE WITH RESIDENTIAL CODE OF NYS AND THE FUEL AND GAS CODE OF NYS.
2. INSTALL NEW EXHAUST FANS AND NOTED ON THE DRAWINGS. CFM TO BE AS NOTED (40CFM MINIMUM AT TOILETS) AND FAN IS TO BE EQUIPPED WITH METAL WEATHER HOOD, BACK DRAFT DAMPER AND INSECT SCREEN. FANS LOCATED IN WALLS TO LIE FLAT (A MAXIMUM 2" EXPOSURE), THOSE MOUNTED IN ROOF TO BE PROPERLY WEATHER-STRIPPED AND COUNTER FLASHED TO PROVIDE WATERTIGHT SEAL.
3. WHERE NO NATURAL VENTILATION IS AVAILABLE AT BATHROOMS AND POWDER ROOMS, THE CONTRACTORS WILL PROVIDE MECHANICAL VENTILATION TO PROVIDE 50CFM IF THE VENTILATION IS TO BE CONTROLLED BY THE OCCUPANT ON AN AS-NEEDED BASIS AND 20CFM IF THE VENTILATION IS CONTINUOUS, TO BE CONTROLLED BY MECHANICAL MEANS, ON AT ALL TIMES.

## COOLING NOTES

1. INSTALL NEW CENTRAL AIR CONDITIONING SYSTEM WITH AIR HANDLING EQUIPMENT LOCATED IN ATTIC WITH COMPRESSORS LOCATED IN AREAS DESIGNATED ON THE MAIN FLOOR PLAN. EXACT LOCATION OF AIR HANDLERS AT ATTIC TO BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO INCLUDE IN BID A COMPLETE DESCRIPTION OF THE TYPE OF SYSTEM TO BE INSTALLED, COMPLETE WITH MANUFACTURERS, DUCT TYPES, ETC. BID TO INCLUDE ALL WORK REQUIRED, INCLUDING ASSOCIATED PLUMBING

- AND ELECTRICAL WORK.
2. CONTRACTOR TO INSURE THAT EXTERIOR INSTALLATION COMPLIES WITH ALL MUNICIPAL REQUIREMENTS PRIOR TO BEGINNING WORK.
3. ALL ELECTRICAL CONNECTIONS AND REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. EQUIPMENT TO HAVE SEER ≥16.0

## WINDOW NOTES

1. PROJECT IS LOCATED WITHIN A WIND-BORNE DEBRIS REGION. AS DESIGNED, THE WINDOWS DO NOT MEET THE SPECIFIC REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996 OR ASTM E 1886.
2. WINDOWS TO BE ANDERSEN FULL FIN DOUBLE HUNG "TILT WASH" SYSTEM CLAD WINDOWS WITH LOW-E-SUN GLAZING, SIZE TO BE AS NOTED ON THE DRAWINGS, EQUIPPED WITH GRIDS. WHERE TWO OR MORE WINDOWS ARE JOINED, CONTRACTOR TO INSTALL ANDERSEN NARROW REINFORCED ALUMINUM STIFFENER AT EACH CONNECTION (HORIZONTAL AND VERTICAL).
3. EACH NEW WINDOW IS TO BE PROTECTED WITH STRUCTURAL WOOD PANELS (FOR EXTERIOR USE) WITH A MINIMUM THICKNESS OF 7/16" THICKNESS AND A MAXIMUM SPAN OF 8'-0". PANELS SHALL BE PRECUT TO COVER THE GLAZED OPENINGS WITH ATTACHMENT HARDWARE PROVIDED. ATTACHMENTS SHALL BE LOCATED AT OPPOSITE ENDS OF THE PANEL AND SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING:  
WHERE PANEL SPAN IS LESS THAN 72" USE 2.5" #8 WOOD SCREWS, 16" OC WHERE PANEL SPAN IS LESS THAN 96" USE 2.5" #8 WOOD SCREWS, 12" OC
4. WINDOWS IN SHOWERS, TUBS WHIRLPOOLS OR SAUNAS SHALL BE INSTALLED SO THAT THE BOTTOM EDGE OF ANY GLAZING IS LOCATED A MINIMUM OF 60" ABOVE THE ANY STANDING OR WALKING SURFACE. WHERE A DISCREPANCY EXISTS BETWEEN THIS NOTE AND THE PROPOSED HEAD HEIGHT, CONTRACTOR MUST CONSULT ARCHITECT FOR FINAL DETERMINATION.

## PLUMBING NOTES-1.ALL

- WORK TO BE COMPLETED BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER PLUMBER. CONTRACTOR MAY ONLY USE MATERIALS AND METHODS OF INSTALLATION SPECIFICALLY PERMITTED WITHIN THE STATE OF NEW YORK AND THE LOCAL AUTHORITY HAVING JURISDICTION. CONTRACTOR MUST BE LICENSED TO WORK WITHIN MUNICIPALITY. ALL BIDS MUST INCLUDE THE PLUMBING CONTRACTORS NAME AND DATE THAT HIS LICENSED EXPIRES WITHIN THE MUNICIPALITY.
2. ALL PERMITS/FEEES AND FINAL APPROVALS ARE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTION TO THE MUNICIPAL SEWER, GAS AND WATER SERVICES INCLUDING ALL FEES AND COORDINATION WITH THE APPROPRIATE UTILITIES.
  3. ALL WATER AND WASTE PIPING LOCATED ON EXTERIOR WALL, IN CEILINGS ABOVE OR BELOW UNHEATED SPACES, WITHIN UNHEATED BASEMENTS, CELLARS OR CRAWL SPACE TO BE INSULATED AND EQUIPPED WITH HEAT TRACING AND ALARMS. WHERE PIPING EXTENDS THROUGH SLABS IT IS TO BE WRAPPED APPROPRIATELY. WHERE PIPING EXTENDS THROUGH ANY FOUNDATION WALL IT IS TO BE INSTALLED THROUGH A PIPE SLEEVE 2 SIZES LARGER THAN THE PENETRATING PIPE AS REQUIRED BY RCNYS P2604.5.
  4. ALL DRAINAGE AND VENT PIPING IS TO BE INSTALLED TO PITCH TO DRAINS. NO AUTOMATIC AIR VENTS ARE PERMITTED. WHERE AN SEWAGE EJECTION SYSTEM IS REQUIRED, IT SHALL BE INSTALLED IN ACCORDANCE WITH RCNYS P3007.
  5. WHERE REQUIRED, ALL MODIFICATIONS TO THE STRUCTURAL SYSTEM ARE TO BE COMPLETED IN ACCORDANCE WITH RCNYS SECTION P2603.
  6. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL FIRE BLOCKING REQUIRED AS PART OF HIS INSTALLATION.
  7. ALL FIXTURES TO BE PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL REQUIRED PARTS ARE ORDERED BY THE OWNER. FIXTURES TO BE INSTALLED IN ACCORDANCE WITH THE REQUIRED CLEARANCES SHOWN ON FIGURE R307.2 RCNYS.
  8. ALL PLUMBING AND HEATING PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH TABLE P2605.1 ON THE RESIDENTIAL CODE OF NYS.
  9. PROVIDE ALL REQUIRED WATER HOOKUPS AND PIPING IN ACCORDANCE WITH PCNYS TO INCLUDE SHUT OFFS AT EACH FIXTURE.
  10. ALL FIXTURES TO BE PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL REQUIRED PARTS ARE ORDERED BY THE OWNER. FIXTURES TO BE INSTALLED IN ACCORDANCE WITH THE REQUIRED CLEARANCES SHOWN ON FIGURE R307.2 RCNYS.
  11. WHERE A NEW OR RELOCATED HOSE BIBB IS CALLED FOR, CONTRACTOR TO PROVIDE "FROST PROOF" BIBB, EQUIPPED AS REQUIRED WITH ACCESSIBLE "STOP AND WASTE" TYPE VALVE OR PIPE SHALL PASS THROUGH BUILDING INSULATION INTO OPEN OR SEMI CONDITIONED SPACE. SEE RESIDENTIAL CODE OF NYS SECTION P2903.10.
  12. ALL PLUMBING AND HEATING PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH TABLE P2605.1 ON THE RESIDENTIAL CODE OF NYS.
  13. WHERE A COMBINATION WATER HEATER-SPACE HEATING SYSTEM REQUIRES WATER FOR SPACE HEATING AT TEMPERATURES EXCEEDING 140 DEGREES F, AN APPROVED, MASTER THERMOSTATIC MIXING VALVE SHALL BE INSTALLED TO TEMPER THE WATER FOR DOMESTIC USE TO 140 DEGREES F OR LESS.
  14. INSTALL APPROPRIATELY SIZED AUTOMATIC BACKFLOW VALVES OR OTHER AUTOMATIC BACKFLOW DEVICES THAT ARE INSTALLED IN EACH DISCHARGE LINE PASSING THROUGH A BUILDING'S EXTERIOR WALL.

## ELECTRICAL NOTES

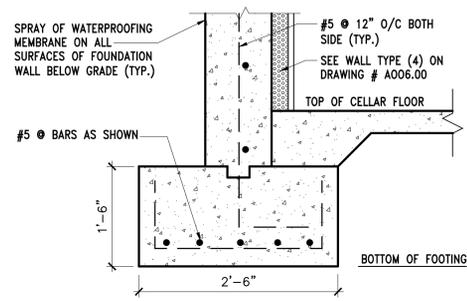
- 1.ALL ELECTRICAL WORK TO CONFORM TO THE REQUIREMENTS OF THE RESIDENTIAL CODE OF WISCONSIN, THE NATIONAL ELECTRIC CODE AND THE SPECIFIC REQUIREMENTS OF THE MUNICIPALITY. CONTRACTOR MUST BE LICENSED TO WORK WITHIN THE MUNICIPALITY. ALL BIDS MUST INCLUDE THE ELECTRICAL CONTRACTORS NAME AND DATE THAT HIS LICENSED EXPIRES WITHIN THE MUNICIPALITY. ALL PERMITS/FEEES AND FINAL APPROVALS ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS TO UTILITY SERVICES INCLUDING FEES AND COORDINATION. INSTALL NEW MIN. 200AMP SERVICE AT A LOCATION DETERMINED WITH THE OWNER AND UTILITY.
3. UNLESS OTHERWISE NOTED BELOW, ALL LIGHTING FIXTURES TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:
  - A-6" DIAMETER LED DOWNLIGHT, BLACK BAFFLE WITH LAMP.
  - B-4" DIAMETER LED DOWNLIGHT, BLACK BAFFLE WITH LAMP.
  - C-INSTALL OWNER SUPPLIED FIXTURE OR FAN.
  - D-INSTALL OWNER SUPPLIED WALL SCONCE
  - E-INSTALL OWNER SUPPLIED PENDANT MOUNTED FIXTURE
  - F-4" DIAMETER DOWNLIGHT FOR WET USE.
  - G-INSTALL OWNER SUPPLIED EXTERIOR FIXTURE
  - H-INSTALL OWNER SUPPLIED FLORESCENT FIXTURE
  - J-LOW VOLTAGE UNDERCOUNTER LIGHTS,
- 4.ALL RECEPTACLES AND SWITCHES TO BE DECORA SERIES OR EQUAL, ALL SWITCHES TO BE "TOUCH TYPE" DIMMER SWITCHES, SIZED AS REQUIRED BY LIGHTING LOAD. UNLESS OTHERWISE SHOWN, RECEPTACLES, LIGHTING OUTLETS AND SWITCHES SHALL BE INSTALLED IN ACCORDANCE WITH E3801 THROUGH E3803.
5. INSTALL APPROVED TYPE (IN ACCORDANCE WITH NFPA 72) HARDWIRED SMOKE DETECTORS AT EACH BEDROOM, OUTSIDE OF EACH SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, ON EACH ADDITIONAL STORY OF THE DWELLING INCLUDING BASEMENT OR CELLAR. ALL DETECTORS TO BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS. POWER TO BE FROM BUILDING WIRING SOURCE WITH BATTERY BACKUP WHEN THE PRIMARY SOURCE IS INTERRUPTED.
6. INSTALL APPROVED TYPE CARBON MONOXIDE ALARMS IN ACCORDANCE WITH SECTION 1225.2 OF TITLE 19 OFFICIAL COMPILATION OF CODES, RULES AND

Project:  
**NEW ONE FAMILY HOUSE**  
20931 BAYVIEW DR,  
GRANTSBURG, WI  
548408443

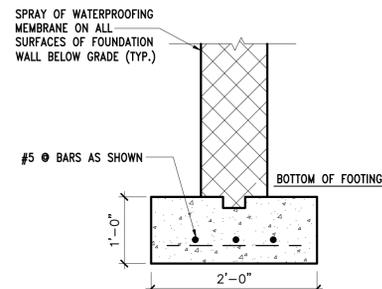
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## CONSTRUCTION NOTES

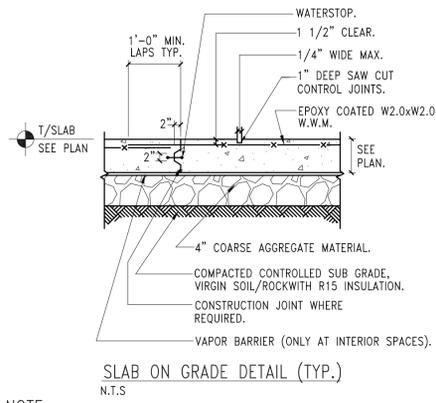
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**A** SECTION DETAIL  
SCALE: 1:16" = 1'-0"

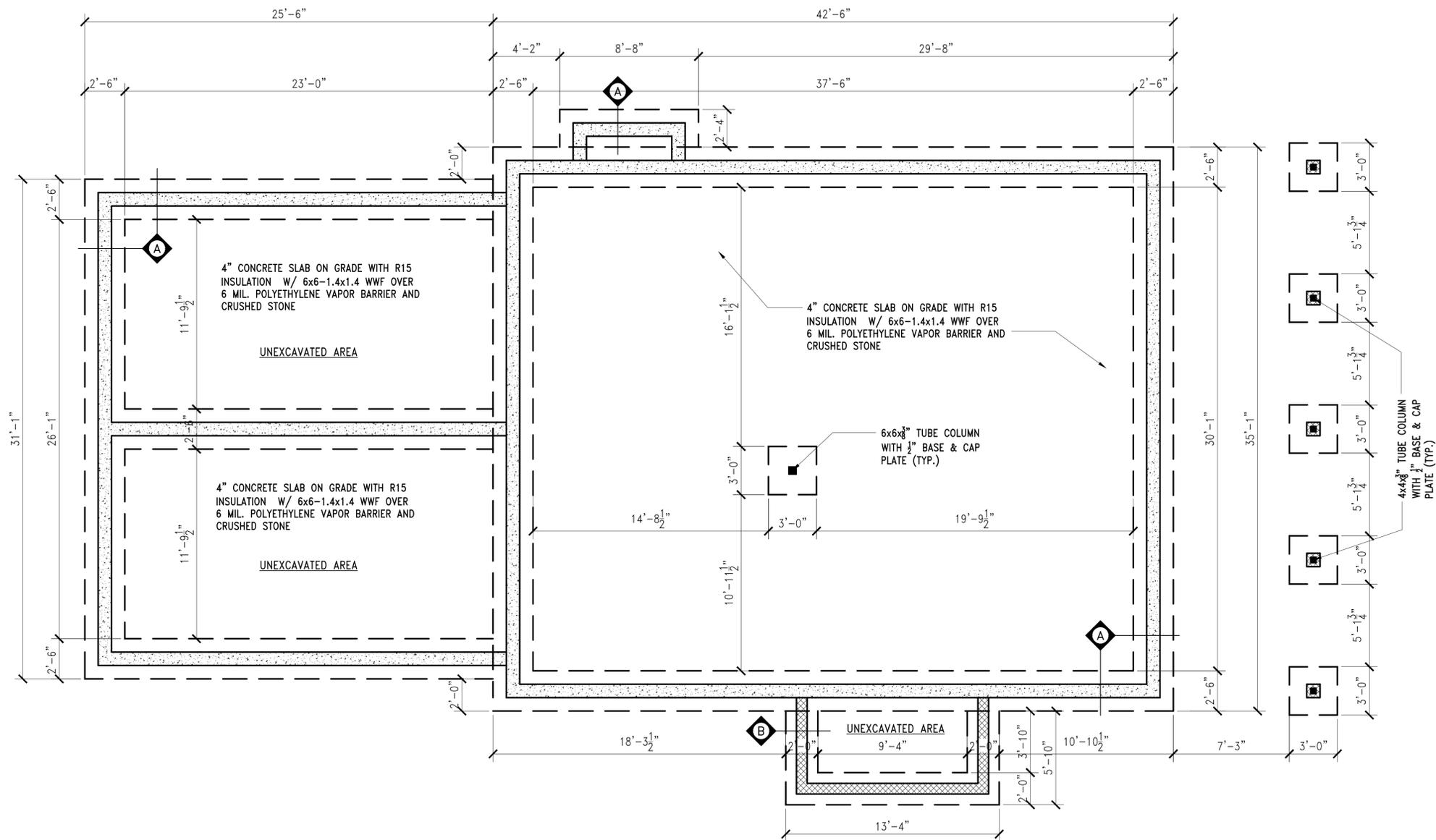
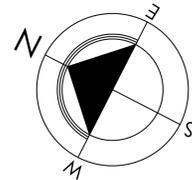


**B** SECTION DETAIL  
SCALE: 1:16" = 1'-0"



SLAB ON GRADE DETAIL (TYP.)  
N.T.S.

NOTE:  
1. AT EXTERIOR EXPOSURE PROVIDE CONSTRUCTION OR SAWCUT CONTROL JOINTS AT 5'-0" O.C. MAX. AND EXPANSION JOINTS WITH COMPRESSIBLE FILLER AT 15'-0" MAX.  
2. AT INTERIOR SPACES PROVIDE CONTOL OR CONSTRUCTION JOISTS @ 20'-0" O.C. MAX.



**1** FOUNDATION CONSTRUCTION PLAN  
SCALE : 1/4"=1'-0"

Project:  
**NEW ONE FAMILY HOUSE**  
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**LEGEND**

- NEW INTERIOR PARTITIONS
- NEW EXTERIOR WALL
- NEW CMU WALL
- CONCRETE WALL
- 2hr. FIRE RATED WALL
- 4" BRICK VENEER
- 2" VINYL SIDING
- EARTH
- GRAVEL
- HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
- HEAT DETECTOR W/BATTERY BACKUP (TYP.)
- SOLID STATE PROGRAMMABLE THERMOSTAT.
- SECTION DESIGNATION
- FLOOR DRAIN
- AREA DRAIN
- ELECTRIC METER
- PERMANENT CERTIFICATE
- DUAL POLE CIRCUIT BREAKER
- ENERGY RECOVERY VENTILATOR
- A/C DIFFUSER
- WINDOWS TYPE
- DOOR TYPE
- FOUNDATION SECTION

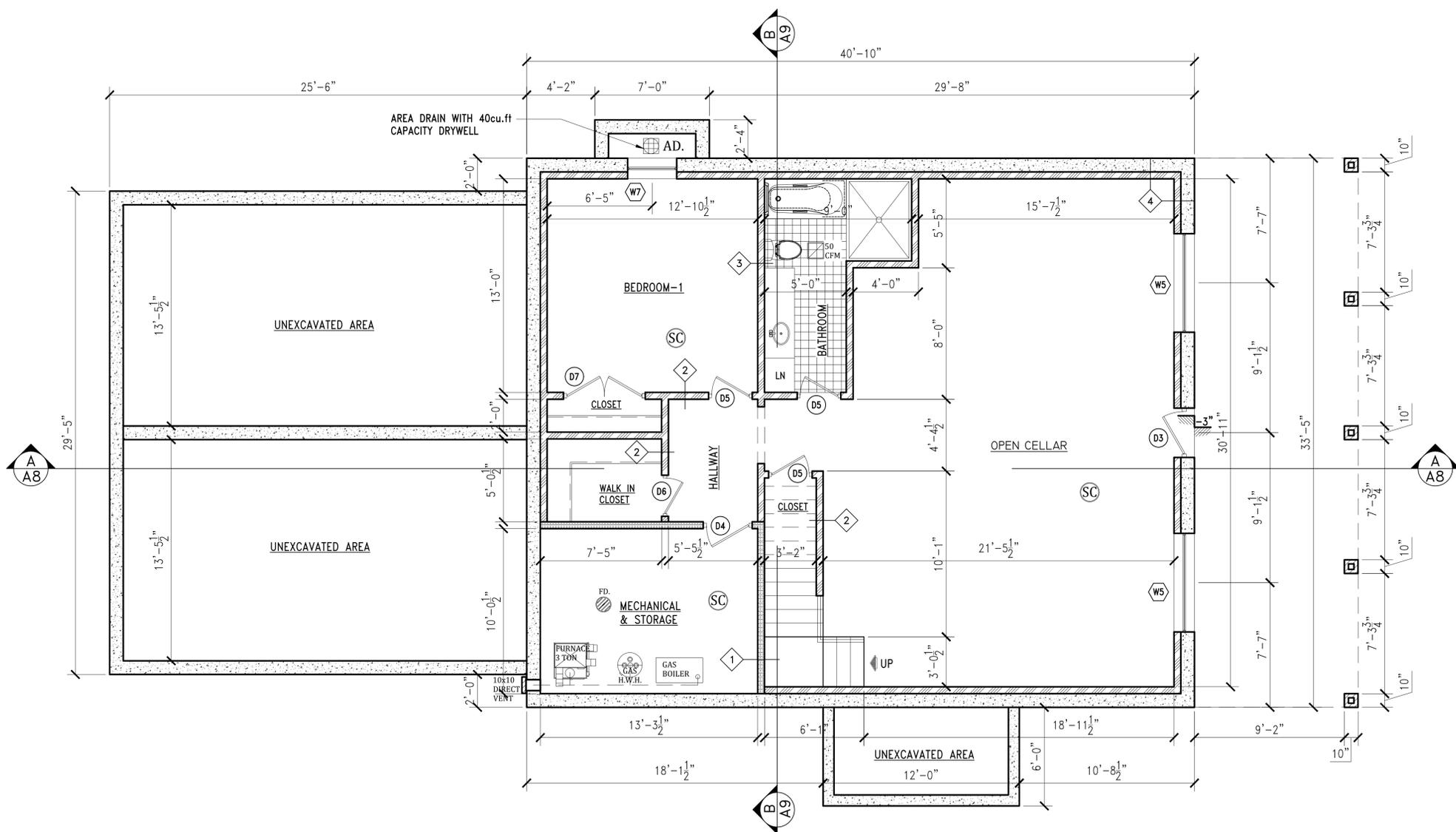
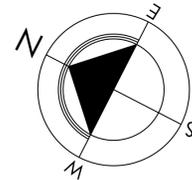
NO.	Date:	Remarks

**CONSTRUCTION FOUNDATION PLAN AND DETAILS**

Scale: 1/4"=1'-0"  
 Drawn By: M.Adil  
 Chk. By:  
 Drawing No. **A-003.00**  
 Date: 10-11-25 3 OF 29

Seal & signature

Project # **26-10**  
 BUILDINGS DEPARTMENT APPLICATION #



**2** CELLAR LEVEL CONSTRUCTION PLAN  
SCALE : 1/4"=1'-0"

Project:  
**NEW ONE FAMILY HOUSE**  
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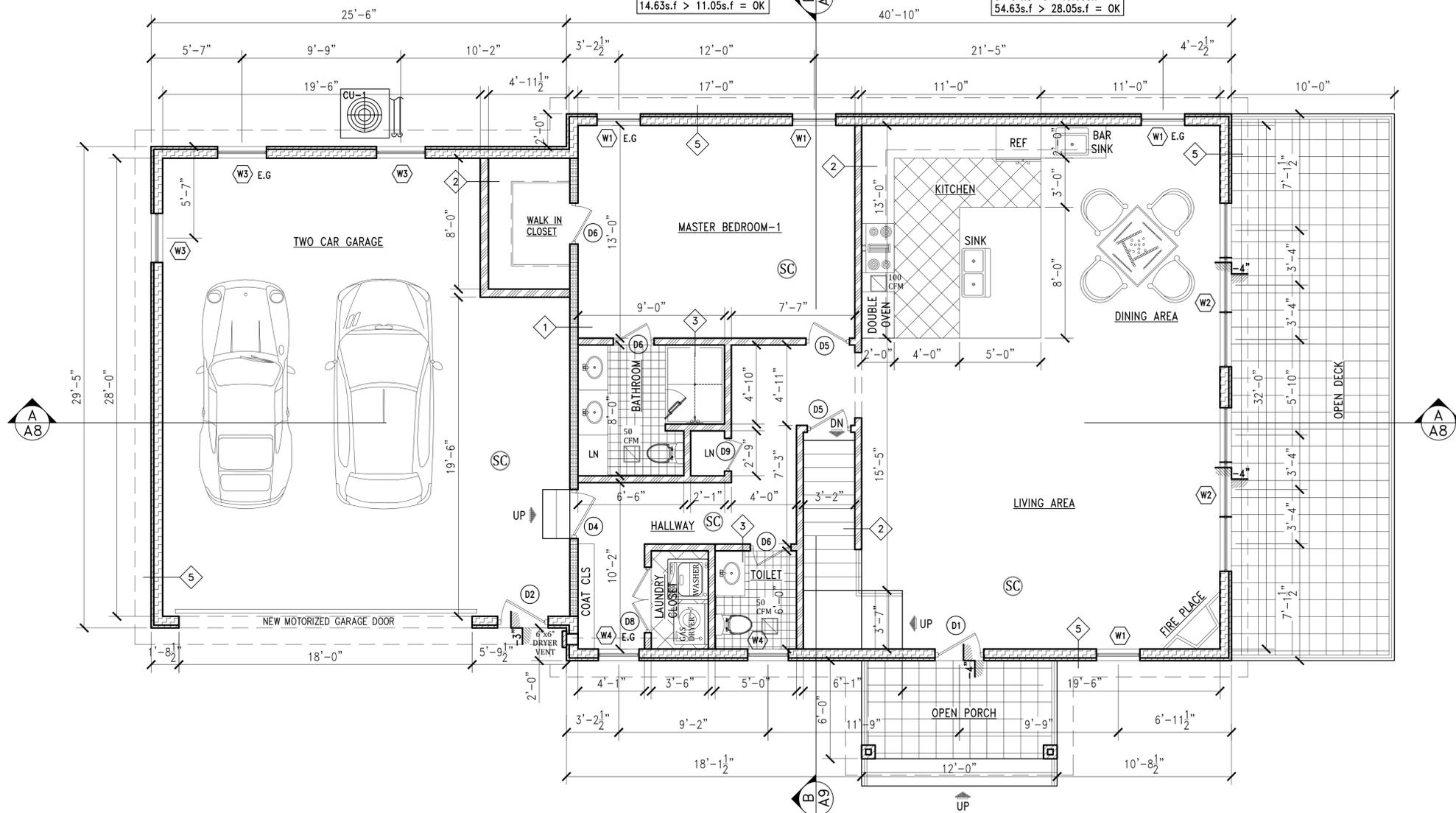
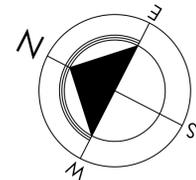
- LEGEND**
- NEW INTERIOR PARTITIONS
  - NEW EXTERIOR WALL
  - NEW CMU WALL
  - CONCRETE WALL
  - 2hr. FIRE RATED WALL
  - 4" BRICK VENEER
  - 2" VINYL SIDING
  - EARTH
  - GRAVEL
  - HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
  - HEAT DETECTOR W/BATTERY BACKUP (TYP.)
  - SOLID STATE PROGRAMMABLE THERMOSTAT.
  - SECTION DESIGNATION
  - DRAWING NUMBER
  - FLOOR DRAIN
  - AREA DRAIN
  - ELECTRIC METER
  - PERMANENT CERTIFICATE
  - DUAL POLE CIRCUIT BREAKER
  - ENERGY RECOVERY VENTILATOR
  - A/C DIFFUSER
  - WINDOWS TYPE
  - DOOR TYPE
  - FOUNDATION SECTION

NO.	Date:	Remarks

**CALLER LEVEL CONSTRUCTION PLAN**

Scale: 1/4"=1'-0" Seal & signature  
 Drawn By: M.Adil  
 Chk. By:  
 Drawing No. **A-004.00**  
 Date: 10-11-25 4 OF 29

Project # **26-10** BUILDINGS DEPARTMENT APPLICATION #



**BEDROOM-1:**  
 NATURAL LIGHT  
 221.00x10% = 22.10s.f  
 WINDOW SIZE  
 (2)2'-8"x5'-6"=29.26s.f  
 29.26s.f > 22.10s.f = OK  
 NATURAL VENT  
 221.00x5% = 11.05s.f  
 OPENABLE WINDOW SIZE  
 (2)2'-8"x2'-9"=14.63s.f  
 14.63s.f > 11.05s.f = OK

**LIVING/DINING AREA:**  
 NATURAL LIGHT  
 561.00x10% = 56.10s.f  
 WINDOW SIZE  
 (2)2'-8"x5'-6"=29.26s.f  
 10'-0"x8'-0"=80.00s.f  
 109.26s.f > 56.10s.f = OK  
 NATURAL VENT  
 561.00x5% = 28.05s.f  
 OPENABLE WINDOW SIZE  
 (2)2'-8"x2'-9"=14.63s.f  
 5'-0"x8'-0"=40.00s.f  
 54.63s.f > 28.05s.f = OK

**3 FIRST FLOOR CONSTRUCTION PLAN**  
 SCALE : 1/4"=1'-0"

Project:  
**NEW ONE FAMILY HOUSE**  
 20931 BAYVIEW DR,  
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 548408443

- LEGEND**
- NEW INTERIOR PARTITIONS
  - NEW EXTERIOR WALL
  - NEW CMU WALL
  - CONCRETE WALL
  - 2hr. FIRE RATED WALL
  - 4" BRICK VENEER
  - 2" VINYL SIDING
  - EARTH
  - GRAVEL
  - HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
  - HEAT DETECTOR W/BATTERY BACKUP (TYP.)
  - SOLID STATE PROGRAMMABLE THERMOSTAT.
  - SECTION DESIGNATION
  - DRAWING NUMBER
  - FLOOR DRAIN
  - AREA DRAIN
  - ELECTRIC METER
  - PERMANENT CERTIFICATE
  - DUAL POLE CIRCUIT BREAKER
  - ENERGY RECOVERY VENTILATOR
  - A/C DIFFUSER
  - WINDOWS TYPE
  - DOOR TYPE
  - FOUNDATION SECTION

NO.	Date:	Remarks

**FIRST FLOOR CONSTRUCTION PLAN**

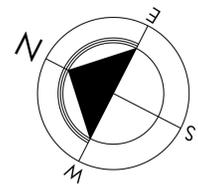
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 Drawn By: M.Adil  
 Chk. By:  
 Drawing No. **A-005.00**  
 Date: 10-11-25 5 OF 29

Seal & signature

Project # BUILDINGS DEPARTMENT APPLICATION #  
 26-10 .

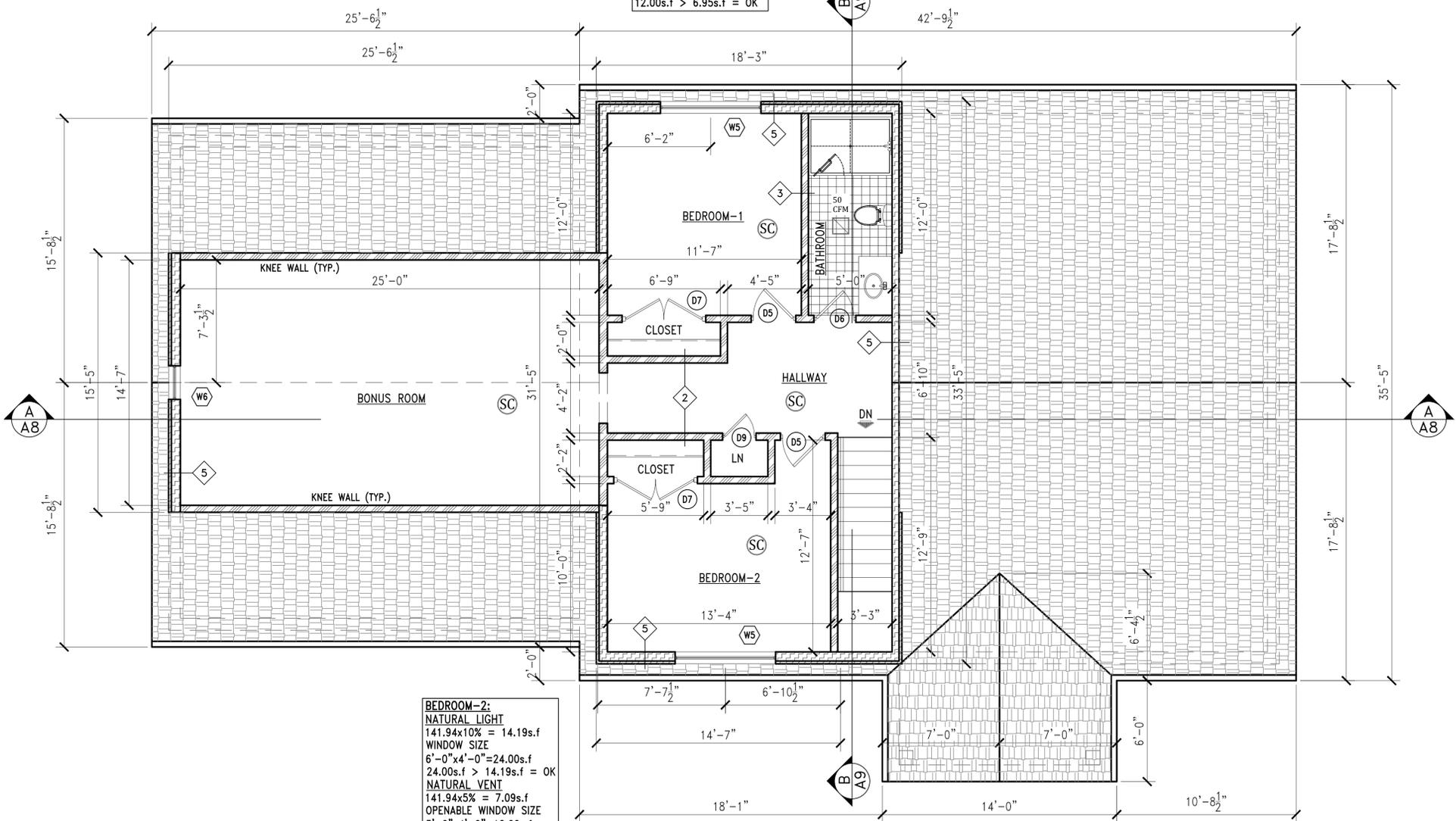
Project:  
**NEW ONE FAMILY HOUSE**  
 20931 BAYVIEW DR,  
 GRANTSBURG, WI  
 548408443

- LEGEND**
- NEW INTERIOR PARTITIONS
  - NEW EXTERIOR WALL
  - NEW CMU WALL
  - CONCRETE WALL
  - 2hr. FIRE RATED WALL
  - 4" BRICK VENEER
  - 2" VINYL SIDING
  - EARTH
  - GRAVEL
  - HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
  - HEAT DETECTOR W/BATTERY BACKUP (TYP.)
  - SOLID STATE PROGRAMMABLE THERMOSTAT.
  - SECTION DESIGNATION DRAWING NUMBER
  - FLOOR DRAIN
  - AREA DRAIN
  - ELECTRIC METER
  - PERMANENT CERTIFICATE
  - DUAL POLE CIRCUIT BREAKER
  - ENERGY RECOVERY VENTILATOR
  - A/C DIFFUSER
  - WINDOWS TYPE
  - DOOR TYPE
  - FOUNDATION SECTION



**BEDROOM-1:**  
 NATURAL LIGHT  
 139.00x10% = 13.90s.f  
 WINDOW SIZE  
 6'-0"x4'-0"=24.00s.f  
 24.00s.f > 13.90s.f = OK  
 NATURAL VENT  
 139.00x5% = 6.95s.f  
 OPENABLE WINDOW SIZE  
 3'-0"x4'-0"=12.00s.f  
 12.00s.f > 6.95s.f = OK

**BEDROOM-2:**  
 NATURAL LIGHT  
 141.94x10% = 14.19s.f  
 WINDOW SIZE  
 6'-0"x4'-0"=24.00s.f  
 24.00s.f > 14.19s.f = OK  
 NATURAL VENT  
 141.94x5% = 7.09s.f  
 OPENABLE WINDOW SIZE  
 3'-0"x4'-0"=12.00s.f  
 12.00s.f > 7.09s.f = OK



**4 ATTIC CONSTRUCTION PLAN**  
 SCALE : 1/4"=1'-0"

NO.	Date:	Remarks

**ATTIC FLOOR CONSTRUCTION PLAN**

Scale: 1/4"=1'-0" Seal & signature  
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WINDOWS SCHEDULE											
TYPE	WINDOW SIZE	REMARKS	U-FACTOR	SHGC	QTY.	AIR LEAKAGE PER SQ.FT	MATERIAL	MODEL	REMARKS	TYPE	IMPACT-RESISTANT GLASS TYPE
W1	2'-8" x 5'-6"	BED, DINING & LIVING ROOM WINDOWS	0.27	0.40	04	< 0.3 CFM	VINYL & WOOD	ANDERSON 400 SERIES	TEMPERED GLASS	DOUBLE HUNG	LOW-E4 SUN
W2	10'-0" x 8'-0"	DINING AND LIVING ROOM SLIDING WINDOWS	0.27	0.40	02	< 0.3 CFM	VINYL & WOOD	ANDERSON 400 SERIES	TEMPERED GLASS	DOUBLE HUNG	LOW-E4 SUN
W3	3'-0" x 4'-0"	GARAGE WINDOWS	0.27	0.40	03	< 0.3 CFM	VINYL & WOOD	ANDERSON 400 SERIES	TEMPERED GLASS	DOUBLE HUNG	LOW-E4 SUN
W4	2'-6" x 4'-0"	BATH, GARAGE, GARAGE ATTIC & HALLWAY WINDOWS	0.27	0.40	13	< 0.3 CFM	VINYL & WOOD	ANDERSON 400 SERIES	TEMPERED GLASS	DOUBLE HUNG	LOW-E4 SUN
W5	6'-0" x 4'-0"	CALLER, GARAGE & BEDROOM WINDOWS	0.27	0.40	05	< 0.3 CFM	VINYL & WOOD	ANDERSON 400 SERIES	TEMPERED GLASS	CUSTOM WINDOW	LOW-E4 SUN
W6	2'-0" x 4'-0"	BONUS ROOM WINDOW	0.27	0.40	01	< 0.3 CFM	VINYL & WOOD	ANDERSON 400 SERIES	TEMPERED GLASS	DOUBLE HUNG	LOW-E4 SUN
W7	3'-0" x 4'-0"	CELLAR WINDOW	0.27	0.40	01	< 0.3 CFM	VINYL & WOOD	ANDERSON 400 SERIES	TEMPERED GLASS	DOUBLE HUNG	LOW-E4 SUN

DOORS SCHEDULE									
TYPE	DOOR SIZE	REMARKS	FIRE R.	U-FACTOR	SHGC	QTY.	AIR LEAKAGE PER SQ.FT	MANUFACTURER	
D1	3'-0"x8'-0"	DOOR WITH PEEP HOLE AND WEATHER-STRIPPING	-	0.27	0.40	01	< 0.5 CFM	JELD-WEN	
D2	3'-0"x6'-8"	DOOR WITH PEEP HOLE AND WEATHER-STRIPPING	-	0.27	0.40	01	< 0.5 CFM	JELD-WEN	
D3	3'-0"x7'-0"	DOOR WITH PEEP HOLE AND WEATHER-STRIPPING	-	0.27	0.40	01	< 0.5 CFM	JELD-WEN	
D4	3'-0"x7'-0"	FIRE RATED SELF CLOSING DOOR	1½	0.27	0.40	02	< 0.5 CFM	JELD-WEN	
D5	2'-8"x7'-0"	BED, BATH, CLOSET & STAIR DOORS	-	0.27	0.40	07	< 0.5 CFM	JELD-WEN	
D6	2'-6"x7'-0"	BATH & CLOSET DOORS	-	0.27	0.40	05	< 0.5 CFM	JELD-WEN	
D7	5'-0"x7'-0"	CLOSET DOORS	-	0.27	0.40	03	< 0.5 CFM	JELD-WEN	
D8	4'-0"x7'-0"	LAUNDRY CLOSET DOOR	-	0.27	0.40	02	< 0.5 CFM	JELD-WEN	
D9	2'-0"x7'-0"	CLOSET DOORS	-	0.27	0.40	02	< 0.5 CFM	JELD-WEN	
D10	3'-0"x7'-2"	GARAGE DOOR	-	0.27	0.40	01	< 0.5 CFM	JELD-WEN	

- OWNER TO SELECT COLOR, DESIGN AND OTHER ACCESSORIES FOR ALL DOORS AND WINDOWS.
- WINDOWS TO BE INSTALLED WITH PROPER ALLOWANCES ON ALL SIDES FOR CAULKING AND WEATHER STRIPPING AS PER R402.2.3.
- PROVIDE FROSTED INSULATED GLASS WINDOW FOR ALL BATHROOMS.
- ALL FIRST FLOOR WINDOWS TO MEET "ANSI" HANDICAP STANDARDS.
- ALL WINDOWS TO BE (MIN.) DOUBLE GLAZED.
- EGRESS WINDOW CLEAR WIDTH SHOULD BE AT LEAST 30" AND HEIGHT SHOULD BE MIN. 24". A NET OPENING OF AT LEAST 6s.f AND SILL SHOULD NOT BE MORE THAN 36" HIGH FROM FINISHED FLOOR.
- ALL WINDOWS TO BE CASEMENT BY ANDERSON 400 SERIES, HIGH-PERFORMANCE LOW-E4 SUN OR EQUAL/ COMPARABLE.  
U-FACTOR 0.27 AND SHGC 0.40  
WINDOWS AND SLIDING DOOR AIR LEAKAGE  
WINDOWS, SKYLIGHT AND SLIDING DOORS AIR LEAKAGE SHOULD BE LESS THAN < 0.3CFM PER SQUARE FOOT OR EQUAL. SWINGING DOOR AIR LEAKAGE SHOULD BE LESS THAN < 0.5CFM PER SQUARE FOOT.

ALL BOILERS & HOT WATER HEATERS DUCTS SHALL BE PITCHED UP IN DIRECTION OF FLOW & CONNECTED TO THE MAIN STACK.

**NOTE:**  
ALL BATHROOM EXHAUST FANS SHOULD BE UL LISTED GREENHECK MODEL # SP-C50-QD OR EQUAL.  
ALL KITCHEN EXHAUST FANS SHOULD BE UL LISTED GREENHECK MODEL # SP-B90 W/ AUTOMATIC DAMPERS

E.C.C. - R401.3  
CERTIFICATE (MANDATORY)  
A PERMANENT CERTIFICATE SHALL BE COMPLETED BY THE BUILDER OR OTHER APPROVED PARTY AND POSTED ON A WALL IN THE SPACE WHERE FURNACE IS LOCATED A UTILITY ROOM OR AN APPROVED LOCATION INSIDE THE BUILDING.WHERE LOCATED ON AN ELECTRICAL PANEL,THE CERTIFICATE SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL.THE CERTIFICATE SHALL INDICATE THE PREDOMINANT R-VALUES OF INSULATION INSTALLED IN OR ON CEILING/ROOF, WALLS, FOUNDATION (SLAB, BASEMENT WALL, CRAWLSPACE WALL AND/ OR FLOOR) AND DUCTS OUTSIDE CONDITIONED SPACES; U-FACTORS FOR FENESTRATION AND SOLAR HEAT GAIN COEFFICIENT OF FENESTRATION. WHERE THERE IS MORE THAN ONE VALUE FOR EACH COMPONENT, THE CERTIFICATE SHALL LIST THE VALUE COVERING THE LARGEST AREA. THE CERTIFICATE SHALL LIST THE TYPE AND EFFICIENCY OF HEATING, COOLING AND SERVICE WATER HEATING EQUIPMENT.WHERE A "GAS FIRED UNVENTED ROOM HEATER", "ELECTRIC FURNACE " OR "BASEBOARD ELECTRIC HEATER" AS APPROPRIATE,AN EFFICIENCY SHALL NOT BE INDICATED FOR GAS FIRED UNVENTED ROOM HEATERS, ELECTRIC FURNACE AND ELECTRIC BASEBOARD HEATER.  
SHOWN ON PLAN AS;..... P.C

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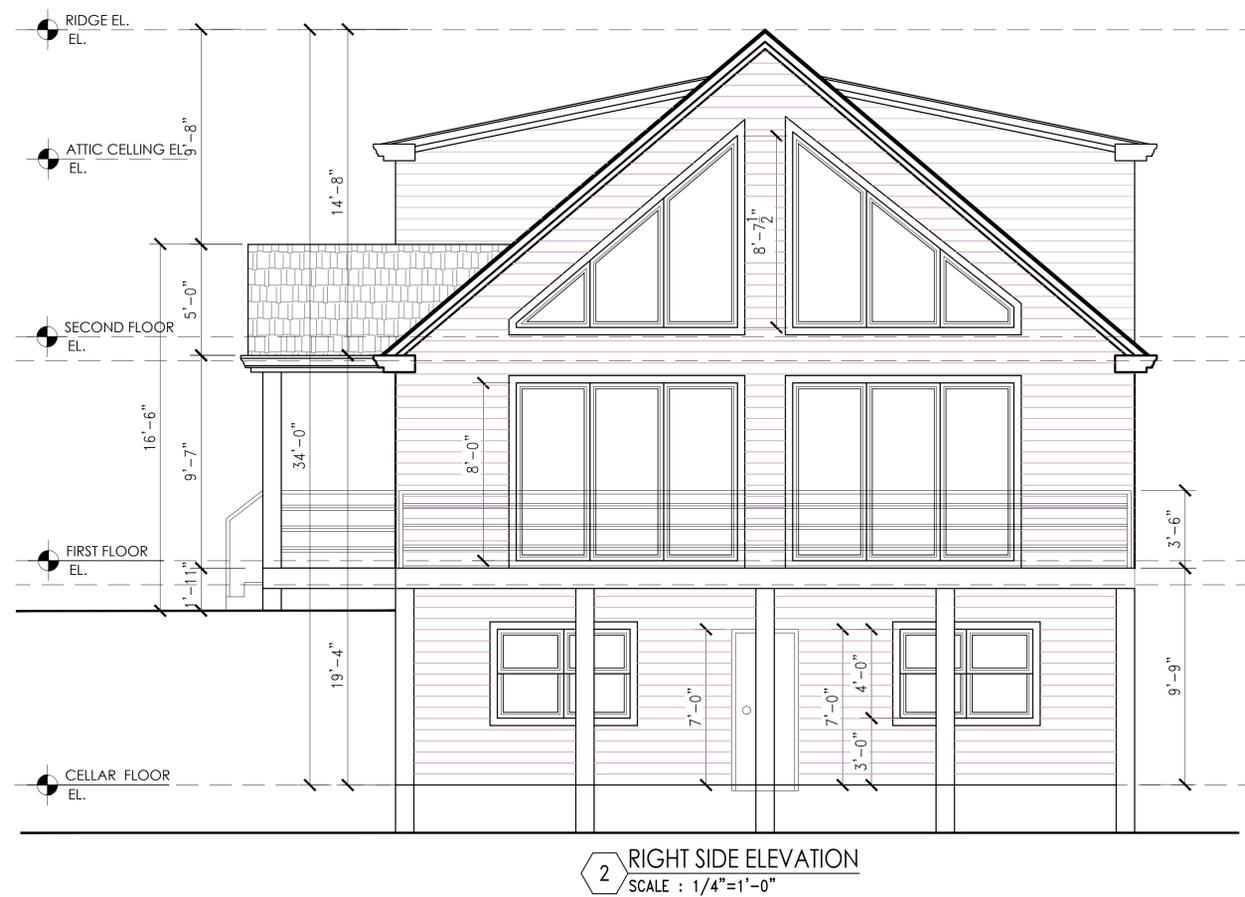
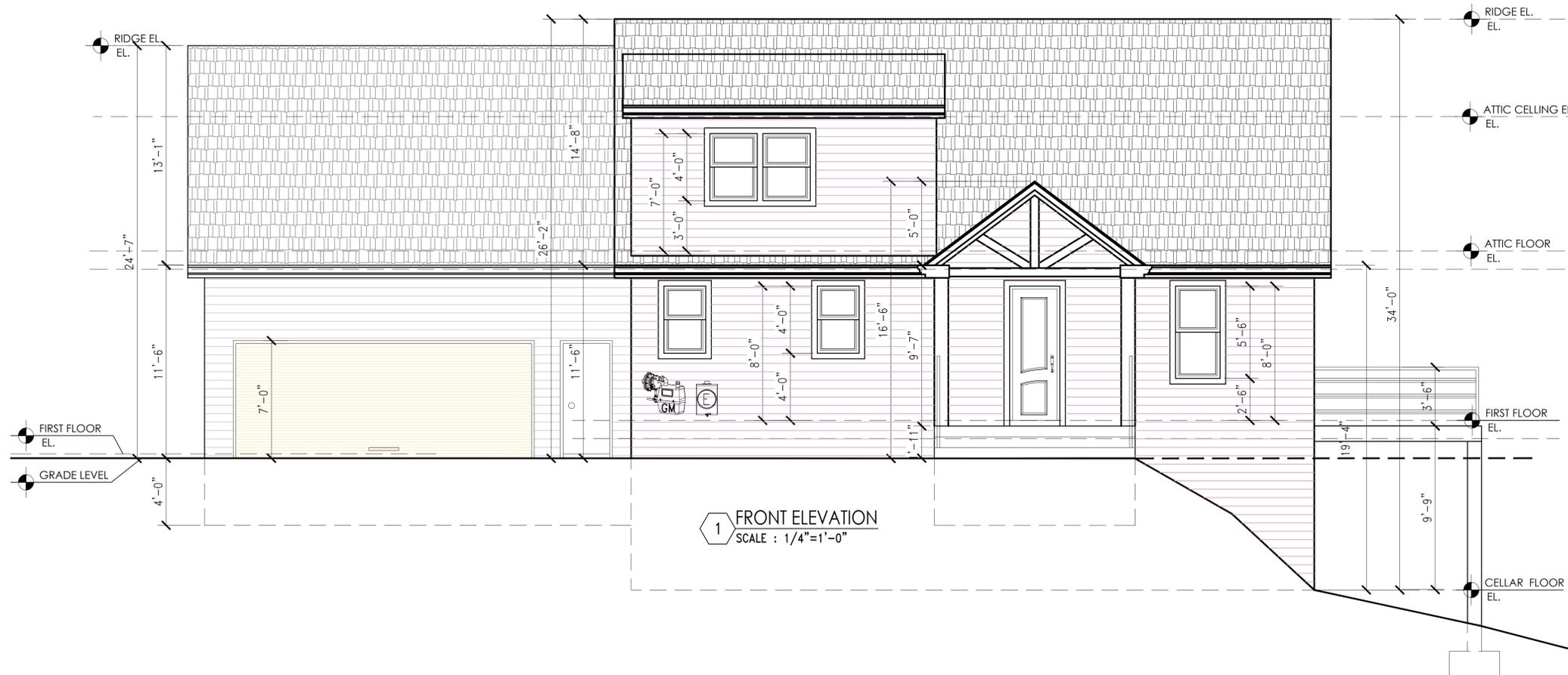
CONSTRUCTION DOOR / WINDOW SCHEDULE & NOTES

Scale: 1/4"=1'-0"  
Drawn By: M.Adil  
Chk. By:  
Drawing No.  
**A-007.00**  
Date: 10-11-25 7 OF 29

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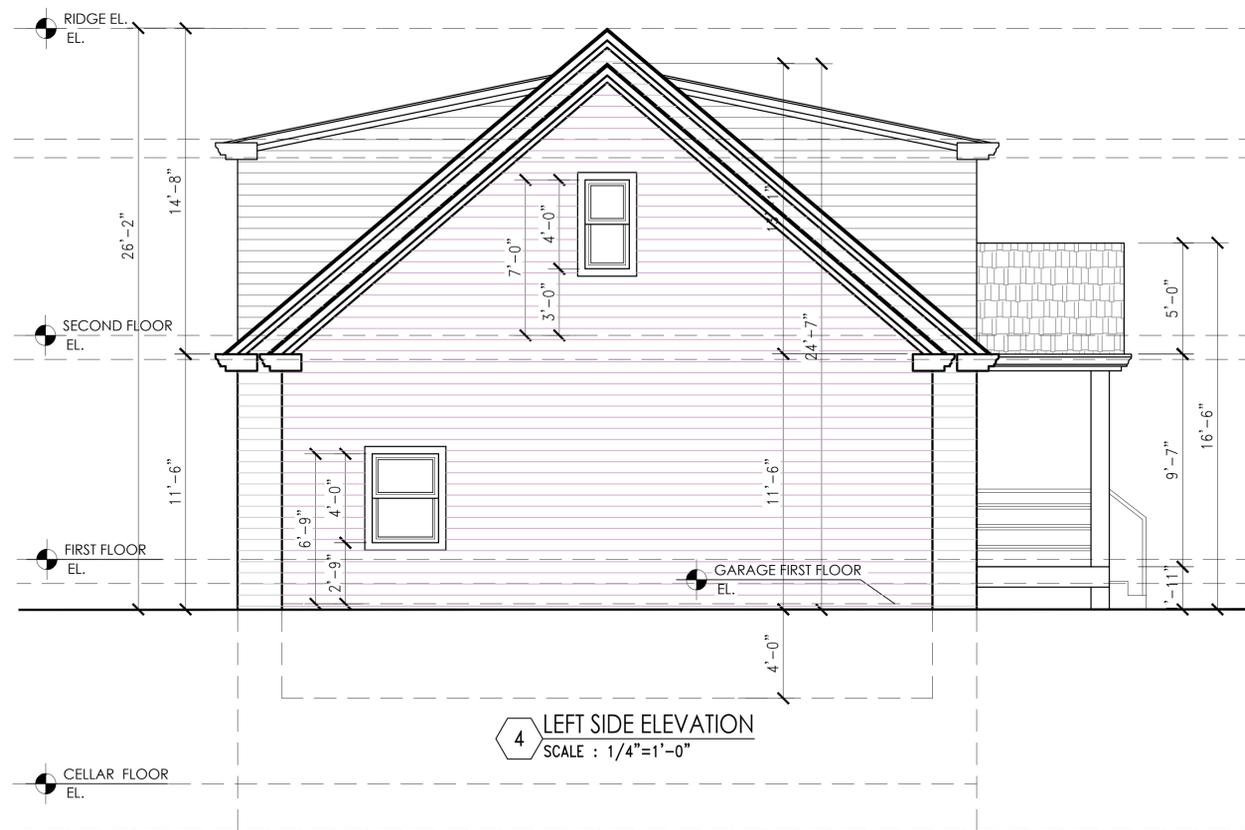
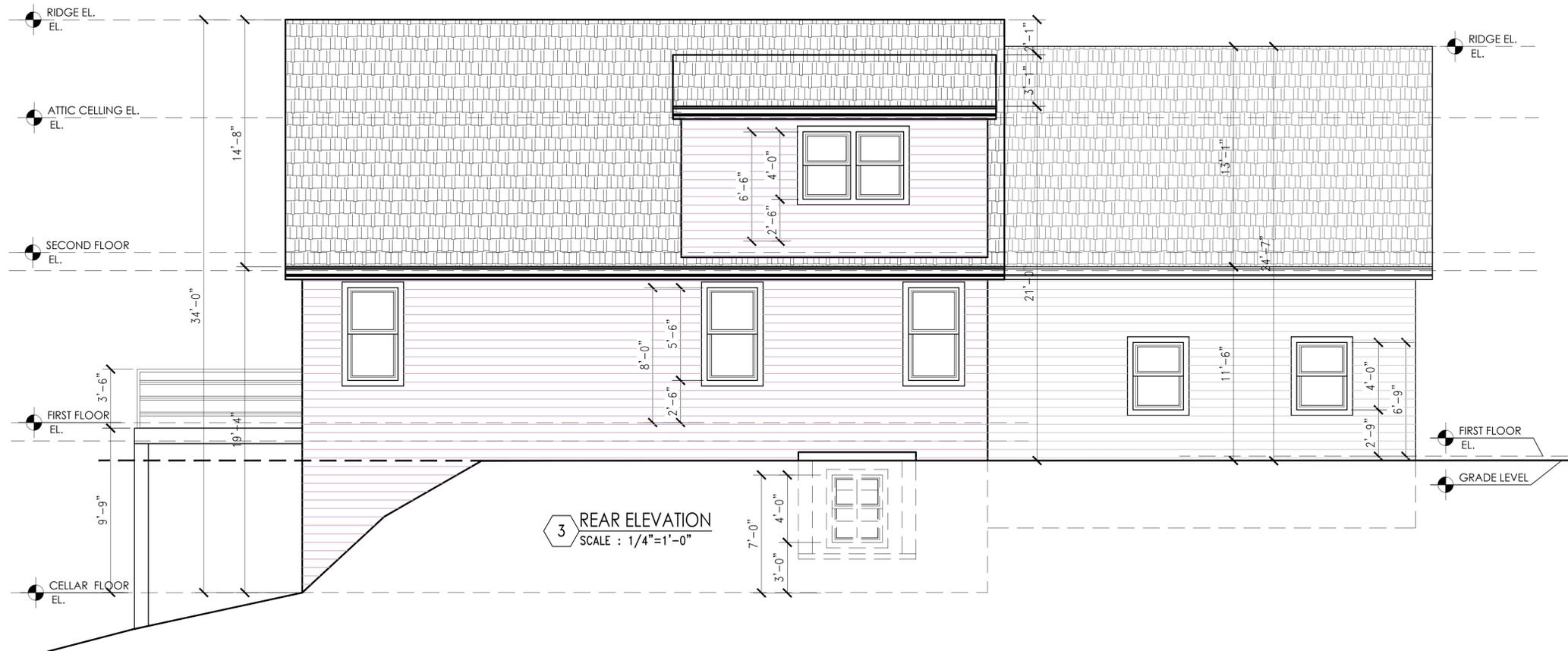
**HOUSE ELEVATIONS**

Scale: 1/4"=1'-0"  
 Drawn By: M.Adil  
 Chk. By:  
 Drawing No.  
**A-008.00**  
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Project # BUILDINGS DEPARTMENT APPLICATION #

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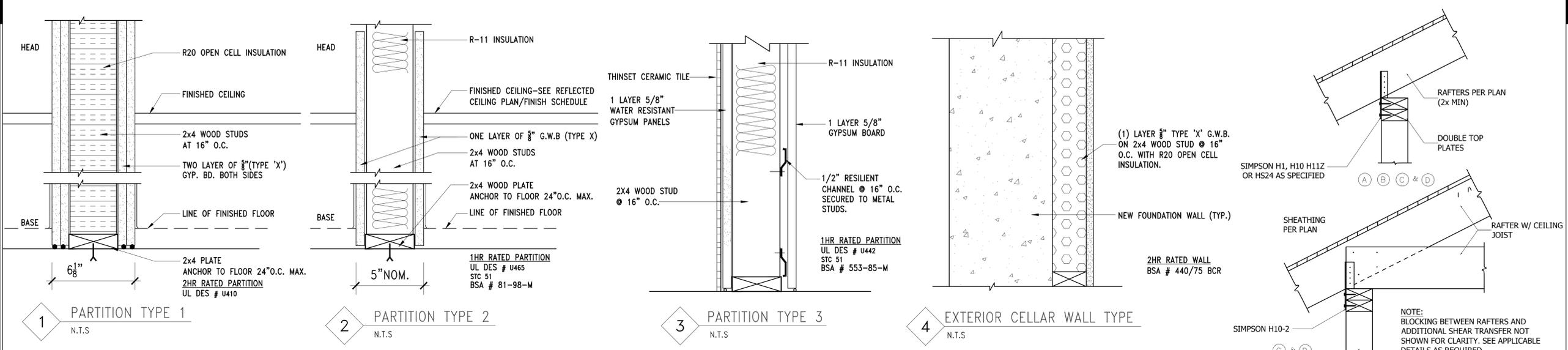
NO.	Date:	Remarks

HOUSE ELEVATIONS

Scale: 1/4"=1'-0"	Seal & signature
Drawn By: M.Adil	
Chk. By:	
Drawing No. <b>A-009.00</b>	
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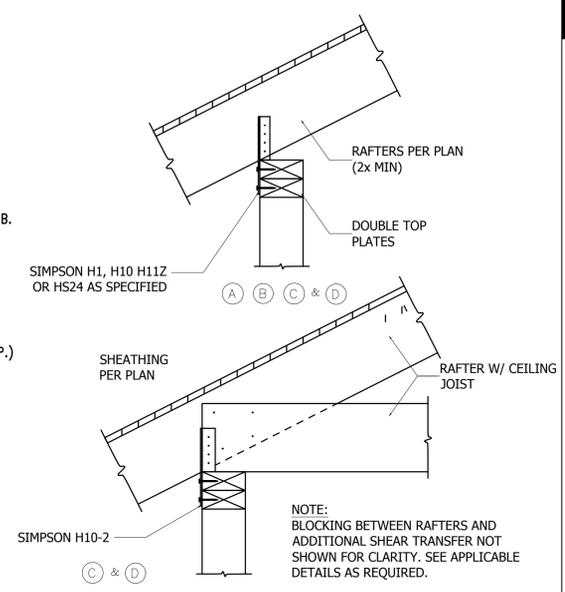


1 PARTITION TYPE 1  
N.T.S.

2 PARTITION TYPE 2  
N.T.S.

3 PARTITION TYPE 3  
N.T.S.

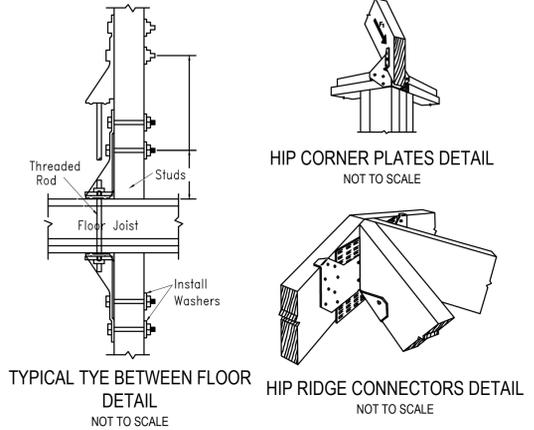
4 EXTERIOR CELLAR WALL TYPE  
N.T.S.



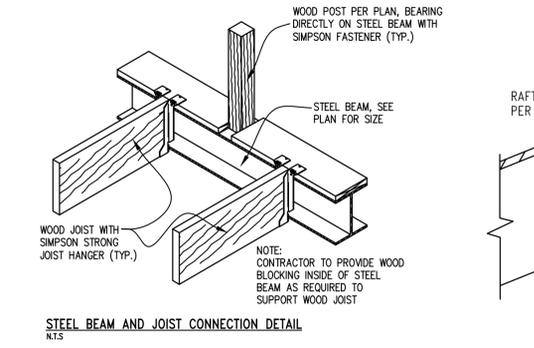
RAFTER TIE TO TOP PLATE

DETAIL MARK	SIMPSON PIECE	FASTENERS - NAILS	
		RAFTER	TOP PLATE
A	H1	6-8d x 1 1/2	4-8d
B	H10, H10R	8-8d x 1 1/2	8-8d x 1 1/2
C	H11Z	6-16d x 2 1/2	6-16d x 2 1/2
D	H10-2	6-10d	6-10d
E	HS24	2-8d SLANT	8-8d

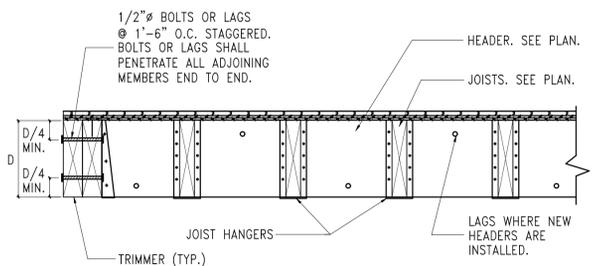
FASTENER SCHEDULE FOR STRUCTURAL MEMBERS		
DESCRIPTION OF BUILDING ELEMENTS	NUMBER & TYPE OF FASTENER a,b,c,d	SPACING OF FASTENERS
JOIST TO SILL OR GIRDER, TOE NAIL	3-8d	-
1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2 STAPLES, 1	-
2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	2-16d	-
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d	16" O.C.
TOP OR SOLE PLATE TO STUD, END NAIL	2-16d	-
STUD TO SOLE PLATE, TOE NAIL	3-8d OR 2-16d	-
DOUBLE STUDS, FACE NAIL	10d	24" O.C.
DOUBLE TOP PLATES, FACE NAIL	10d	24" O.C.
SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANELS	3-16d	16" O.C.
DOUBLE TOP PLATES, MINIMUM 48-INCH. OFFSET OF END JOINTS, FACE NAIL IN LAPPED AREA	8-16d	-
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOE NAIL	3-8d	-
RIM JOIST TO TOP PLATE, TOE NAIL	8d	6" O.C.
TOP PLATES, LAPS @ CORNERS & INTERSECTIONS, FACE NAIL	2-10d	-
BUILT-UP HEADER, TWO PIECES W/ 1" SPACER	16d	-
CONTINUED HEADER, TWO PIECES	16d	-
CEILING JOISTS TO PLATE, TOE NAIL	3-8d	-
CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d	-
CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL	3-10d	-
CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL	3-10d	-
RAFTER TO PLATE, TOE NAIL	2-16d	-
1" BRACE TO EACH STUD & PLATE, FACE NAIL	2 STAPLES, 1	-
1"x6" SHEATHING TO EACH BEARING, FACE NAIL	2 STAPLES, 1	-
1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3 STAPLES, 1	-
WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3 STAPLES, 1	-
BUILT-UP CORNER STUDS	10d	24" O.C.
BUILT-UP GIRDERS & BEAMS, 2-INCH. LUMBER LAYERS	10d	NAIL EACH LAYER AS FOLLOWS: 3/4" O.C. @ TOP & BOTTOM & STAGGERED. TWO NAILS @ ENDS AND AT EACH SPACE @ EACH BEARING
2" PLANKS	2-16d	-
ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS:		
TOE NAIL	4-16d	-
FACE NAIL	3-16d	-
RAFTER TIES TO RAFTERS, FACE	3-8d	-
WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF & WALL SHEATHING TO FRAMING, & PARTICLEBOARD WALL SHEATHING TO FRAMING		
5/16"-1	6d COMMON NAIL (SUBFLOOR, WALL)	12"
19/32"-1	8d COMMON NAIL (ROOF)	12"
1/2"-1	8d COMMON NAIL	12"
1/2"-1	10d COMMON NAIL OR 8d DEFORMED NAIL	12"
DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENER a,b,c,d	SPACING OF FASTENERS EDGES(inches) INTERMEDIATE SUPPORTS(c-inches)
REGULAR CELLULOSIC FIBERBOARD SHEATHING	3	6
STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	3	6
5/8" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	3	6
GYPSUM SHEATHING	1 GALVANIZED ROOFING NAIL OR 8d COMMON NAIL, STAPLE GALVANIZED, 1 LONG, 1 SCREWS, TYPE W OR S	8
GYPSUM SHEATHING	1 GALVANIZED ROOFING NAIL OR 8d COMMON NAIL, STAPLE GALVANIZED, 1 LONG, 1 SCREWS, TYPE W OR S	8
WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING		
1/2" & LESS	8d DEFORMED NAIL OR 8d COMMON NAIL	12
3/4"-1	8d COMMON NAIL OR 8d DEFORMED NAIL	12
1/2"-1	10d COMMON NAIL OR DEFORMED NAIL	12



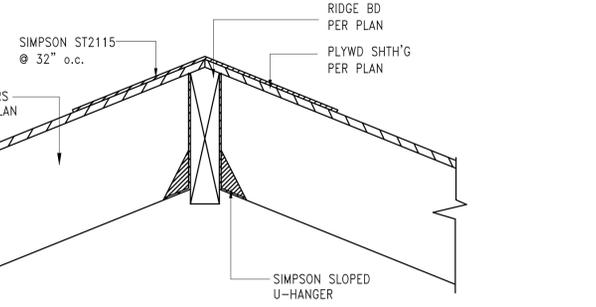
TYPICAL TIE BETWEEN FLOOR DETAIL NOT TO SCALE



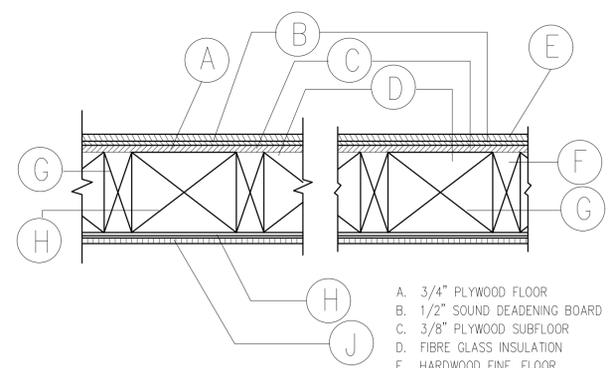
STEEL BEAM AND JOIST CONNECTION DETAIL N.T.S.



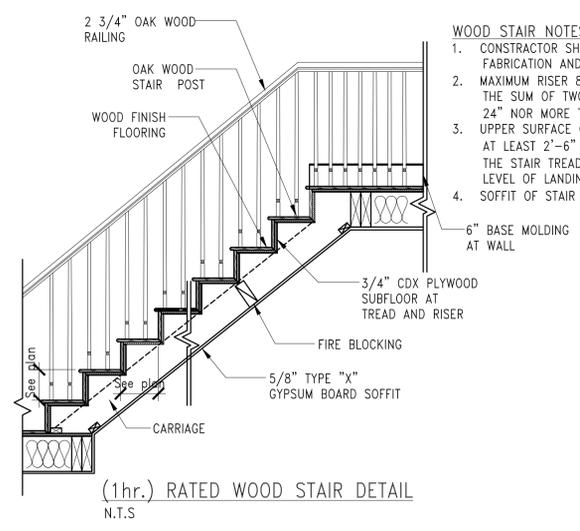
TYP. DETAIL AT HEADER/TRIMMER NOT TO SCALE



RIDGE BEAM AND RAFTER CONNECTION DETAIL N.T.S.



TYPICAL FLOOR CONSTRUCTION DETAIL (TYP.) N.T.S.



(1hr.) RATED WOOD STAIR DETAIL N.T.S.

- WOOD STAIR NOTES:
- CONTRACTOR SHALL CHECK AND VERIFY FLOOR HEIGHTS PRIOR TO FABRICATION AND INSTALLATION OF STAIRS.
  - MAXIMUM RISER 8" MINIMUM TREAD; 9-1/2" + A-1/4" NOSING. THE SUM OF TWO RISERS PLUS ONE TREAD SHALL NOT BE LESS THAN 24" NOR MORE THAN 25-1/2".
  - UPPER SURFACE OF EVERY BALUSTRADE OF RAILING SHALL BE AT LEAST 2'-6" AND MINIMUM 2'-8" ABOVE THE FRONT EDGE OF THE STAIR TREADS AND 2'-8" MINIMUM, 3'-0" MAXIMUM ABOVE LEVEL OF LANDING.
  - SOFFIT OF STAIR TO BE COVERED WITH 5/8" SHEETROCK TYPE "X"

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WALL TYPES AND CONSTRUCTION DETAILS

Scale: As shown	Seal & signature
Drawn By: M.Adil	
Chk. By:	
Drawing No. A-011.00	
Date: 10-11-25 11 OF 29	

Project # BUILDINGS DEPARTMENT APPLICATION #  
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**HVAC NOTES:**

ALL WORK SHALL BE DONE AS PER WI BUILDINGS DEPARTMENT, SHACNA & NFPA STANDARDS.

CONTRACTOR SHALL DO ALL CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.

MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR THE PROPER CONSTRUCTION.

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK, AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ENGINEER.

ALL MECHANICAL EQUIPMENT AND DUCTS SHALL BE INSTALLED AS HIGH AS POSSIBLE TO MAINTAIN A MINIMUM OF 7'-0" HEADROOM.

PROVIDE VOLUME DAMPERS ON ALL BRANCH DUCTS.

THERMOSTAT LOCATIONS ARE APPROXIMATE AND SHALL BE COORDINATED TO SUIT FIELD CONDITIONS.

ALL DUCT SIZES INDICATED ARE CLEAR INSIDE DIMENSIONS.

**PLANS AND SPECIFICATIONS**

THROUGHOUT THE COURSE OF THE WORK, MINOR CHANGES AND ADJUSTMENTS TO THE PLANS AND SPECIFICATIONS MAY BE REQUESTED BY THE TENANT. THE CONTRACTOR SHALL MAKE SUCH ADJUSTMENTS WITHOUT ADDITIONAL COSTS TO THE TENANT, WHERE SUCH ADJUSTMENTS ARE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE SYSTEMS, AND WITHIN THE INTENT OF THE CONTRACT DOCUMENTS

**HVAC EQUIPMENT**

PROVIDE "AC" UNIT WITH ALL ACCESSORIES AND AN ECONOMIZER COIL AS PER SCHEDULE. THE ECONOMIZER SHALL BE INSTALLED WITH CONTROL VALVE.

PROVIDE DISPOSABLE FILTER IN THE RETURN AIR PLENUM. FILTER SIZE SHALL BE ONE 16"x20" AND THREE 20"x25"

THE INDOOR COIL SHALL BE 3/8" IN O.D COPPER, ALUMINUM FINS WITH FOUR NUMBERS OF VANS 15 FINS AND 13.5 SQ.FT FACE AREA.

CONTROLL SHALL BE OPERATING ON 24V.

SERVICE CLEARANCE SHALL BE MINIMUM OF 30" FROM UNIT FRONT AND THE CONTROL BOX.

STEAM SHALL BE TAPED FROM THE BUILDING CENTRAL HEATING SYSTEM.

COMPRESOR WILL HAVE RLA = 18.9AMPS, LRA = 146AMPS, EVAPORATION FAN MOTOR FLA = 13.7 AMPS AND POWER SUPPLY MCA = 56.2 AMPS. THE MAXIMUM FUSE MOCP = 70AMPS

INSATALL DUCT SMOKE DETECTOR TO UNIT SHUTDOWN.

CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BEFORE INSTALLATION.

**DIFFUSERS, GRILLES, AND REGISTERS**

FURNISH AND INSTALL LIMA, TITUS, KRUEGER, OR APPROVED EQUAL, DIFFUSERS, GRILLES AND REGISTERS.

**SYSTEM BALANCE**

THIS CONTRACTOR SHALL HIRE A CERTIFIED AIR BALANCE CONTRACTOR TO ACCURATELY BALANCE THE AIR AND WATER SYSTEMS AS APPLICABLE. SUBMIT TWO COPIES OF THE BALANCE REPORT TO THE ENGINEER FOR HIS APPROVAL AND TO THE LANDLORD AS REQUIRED. THIS MUST BE SUBMITTED PRIOR TO FINAL PAYMENT FROM TENANT.

**PIPE HANGERS AND SUPPORT**

SUPPORT HORIZONTAL PIPING ADEQUATELY FROM SLABS OR OTHER STRUCTURAL MEMBERS AT INTERVALS SPECIFIED BELOW. USE GRINNELL #260 HANGERS, OR APPROVED EQUAL, HAVING ADJUSTABLE WROUGHT CLECS, SOLID RODS AND SOCKETS. PIPING INSTALLED ALONG WALLS SHALL BE SUPPORTED BY GRINNELL #199, OR APPROVED EQUAL STEEL ANGLE BRACKETS. THE SPACING OF PIPE SUPPORTS FOR STEEL PIPE 3/4" TO 2" SHALL BE 10'-0" FOR COPPER PIPE SIZE UP TO 2" SHALL BE 6'-0". HANGERS IN CONTACT WITH COPPER SHALL BE COPPER PLATED AND SHALL BE EQUAL TO GRINNELL FIG.CT-65. HANGER RODS SHALL BE 3/8" DIAMETER FOR PIPES UP TO 2" IN SIZE. PROVIDE 18 GAUGE, GALVANIZED STEEL, PIPE SUPPORT SHIELDS, AT ALL PIPE HANGERS.

**PLUMBING NOTES**

1. ALL WORK SHALL FOLLOW THE NEW YORK CITY BUILDING CODE AND COMPLY WITH APPLICABLE STATE AND NATIONAL STANDARDS. INSTALLATION SHALL BE DONE IN A GOOD WORKMANSHIP MANNER TO MAKE THE SYSTEM FUNCTIONAL.

2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATIONS AND SIZES OF PIPING AND FITTINGS AND MAKE APPROPRIATE CONNECTIONS TO THE NEW PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR LEAKS & DAMAGE IN EXTG. PIPING DUE TO CARELESS HANDLING WHILE MAKING OR REMOVING CONNECTIONS.

3. ALL EXISTING AND NEW PIPE INSTALLATION SHALL BE ACCORDING TO THE N.Y. STATE ENERGY CONSERVATION CODE. ALL HOT WATER PIPING SHALL HAVE 3/4" THICK GLASS FIBER INSULATION WITH VAPOR BARRIER. COLD WATER PIPING SHALL HAVE 1/2" THICK GLASS FIBER INSULATION WITH VAPOR BARRIER. GLASS FIBER INSULATION SHALL HAVE AT LEAST 4.0 LB. DENSITY WITH 0.25 K-FACTOR AS MANUFACTURED BY JOHNS-MANVILL, OWENS-CORNING OR ARMSTRONG.

4. INSULATION AT HANGERS SHALL BE PROTECTED ON COLD WATER, AND DOMESTIC HOT WATER PIPING BY A SECTION OF COMPRESSED GLASS FIBER PIPE INSULATION WITH A METAL SADDLE ON THE OUTSIDE OF THE INSULATION.

5. FOR FITTINGS AND VALVE, USE PRE-MANUFACTURED PRE-MOLDED FITTING OF THE SAME MATERIAL AND THICKNESS AS THE PIPE.

6. ALL VAPOR BARRIERS SHALL BE CONTINUOUS THROUGHOUT AND COMPLETELY SEALED AGAINST MOISTURE PENETRATION. DO NOT USE STAPLES IN VAPOR BARRIER JACKETS.

7. ALL PIPING AND FITTINGS MATERIAL SHALL COMPLY WITH NEW YORK CITY BUILDING CODE. MARK AND TAG ALL PIPES AND VALVES IN ACCORDANCE WITH THE BUILDING STANDARD.

8. ALL VALVES FOR DOMESTIC WATER SHALL BE 125 TEST BRONZE WEDGE GATE VALVES AS MANUFACTURED BY FAIRBANKS, JENKINS, WALWORTH OR EQUAL.

9. ALL PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE WITH APPROVED CLAMPS AND HANGERS.

10. ALL WASTE LINE CONNECTIONS SHALL BE MADE BY MEANS OF 45 DEGREE "Y" FITTINGS, WITH CLEANOUTS. PITCH SHALL BE 1/4" PER FT FOR PIPES LESS THAN 2" IN DIA AND 1/8" PER FT MIN. FOR PIPES LARGER THAN 2" IN DIA.

11. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF WASTE, VENT, COLD WATER AND HOT WATER RISERS FOR ALL PLUMBING HOOK-UPS IN THE FIELD.

**PIPE HANGERS AND SUPPORT**

SUPPORT HORIZONTAL PIPING ADEQUATELY FROM SLABS OR OTHER STRUCTURAL MEMBERS AT INTERVALS SPECIFIED BELOW. USE GRINNELL #260 HANGERS, OR APPROVED EQUAL, HAVING ADJUSTABLE WROUGHT CLECS, SOLID RODS AND SOCKETS. PIPING INSTALLED ALONG WALLS SHALL BE SUPPORTED BY GRINNELL #199, OR APPROVED EQUAL STEEL ANGLE BRACKETS. THE SPACING OF PIPE SUPPORTS FOR STEEL PIPE 3/4" TO 2" SHALL BE 10'-0" FOR COPPER PIPE SIZE UP TO 2" SHALL BE 6'-0". HANGERS IN CONTACT WITH COPPER SHALL BE COPPER PLATED AND SHALL BE EQUAL TO GRINNELL FIG.CT-65. HANGER RODS SHALL BE 3/8" DIAMETER FOR PIPES UP TO 2" IN SIZE. PROVIDE 18 GAUGE, GALVANIZED STEEL, PIPE SUPPORT SHIELDS, AT ALL PIPE HANGERS.

**FIRE STOPPING**

1. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR ENSURING THAT EXISTING AND NEW PENETRATION ARE PROPERLY FIRE STOPPED WITH THE FOLLOWING:

A. THE FIRE STOPPING SYSTEM AND COMPONENTS SHALL BE AS MANUFACTURED BY 3M NO SUBSTITUTIONS SHALL BE PERMITTED.

B. METAL PIPES OR CONDUIT THROUGH BLOCK WALL USE UL SYSTEM NO. CAJ1044 AND 3M PRODUCT CP25 WB & CAULK.

C. METAL PIPES OR CONDUIT THROUGH GYPSUM WALLS USE UL SYSTEM NO. WL 1001 AND 3M PRODUCT CP 25 WB & CAULK

**ENERGY ANALYSIS NOTES:**

1. ALL VENT PIPES OR OTHER PROTRUSIONS IN THE ROOF ARE TO BE PROPERLY FLASHED WITH BASE AND CAP FLASHING OR EQUAL AS APPROVED BY THE ARCHITECT/ENGINEER OR OWNER.

2. PROVIDE ALL FLASHING AND SHEET METAL NOT SPECIFICALLY DESCRIBED, BUT REQUIRED, TO PREVENT PENETRATION OF WATER THRU EXTERIOR SHELL OF THE BUILDING.

3. USE ONLY GALVANIZED NAILS AND FASTENERS FOR ALL ROOFING OR FLASHING APPLICATIONS.

4. CAULK AND SEAL ALL JOINTS WITH SILICONE CAULK WHERE SHOWING ON THE DRAWINGS AND ELSEWHERE AS REQUIRED TO PROVIDE A POSITIVE BARRIER AGAINST PASSAGE OF AIR AND PASSAGE OF MOISTURE

5. INSULATION TO BE OWEN/CORNING FIBERGLASS OR EQUAL APPROVED BY THE ARCHITECT/ENGINEER, WITH THE VAPOR BARRIER INSTALLED ON WARM SIDE ONLY.

6. ALL VAPOR BARRIER, WHERE REQUIRED SHALL BE MOIST CAPTOR BARRIER BY FORTIFIER CORP. ROLLED DOWN IN THE WIDEST WIDTH PARALLEL WITH DIRECTION OF THE POUR. ALL JOINTS TO BE OVERLAPPED NO LESS THAN 6" AND SEALED WITH FORTIFIER GRADE 495 PRESSURE SENSITIVE TAPE.

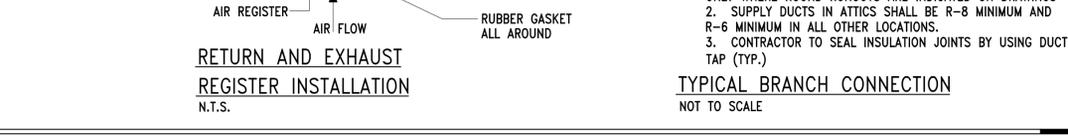
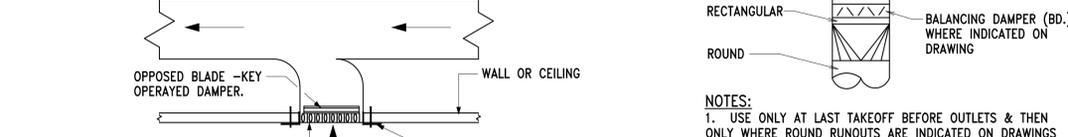
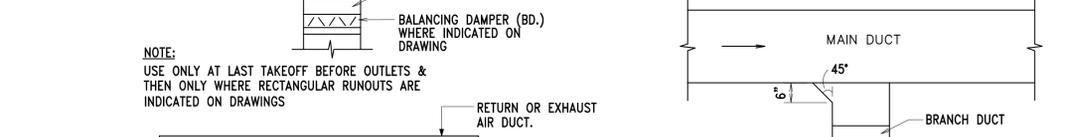
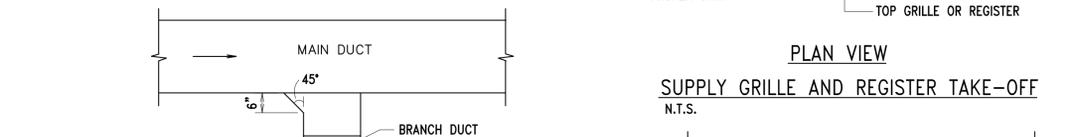
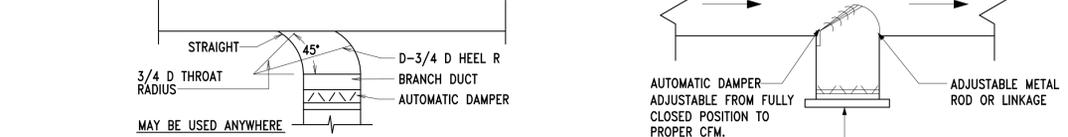
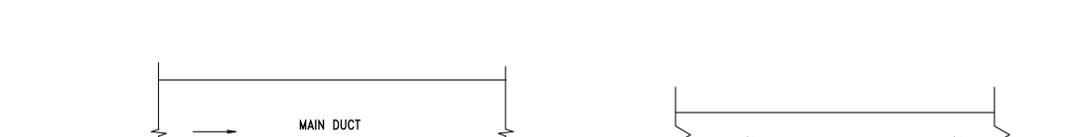
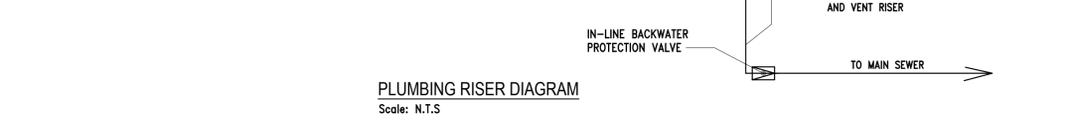
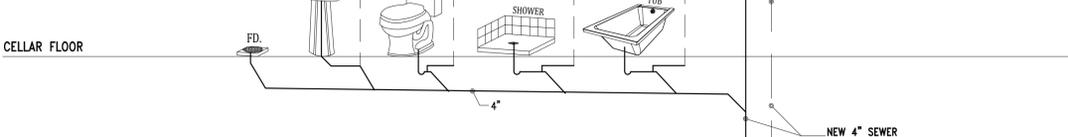
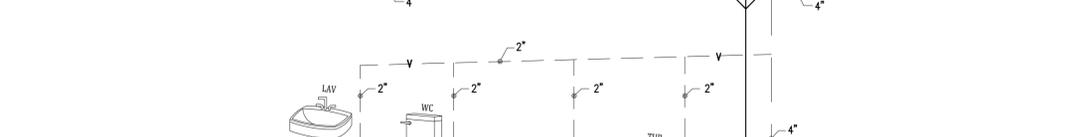
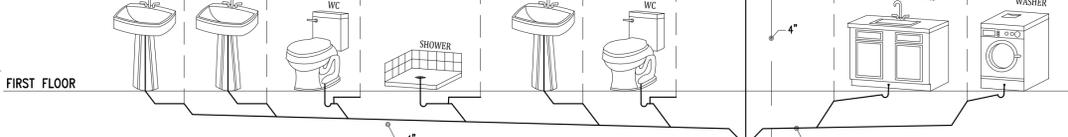
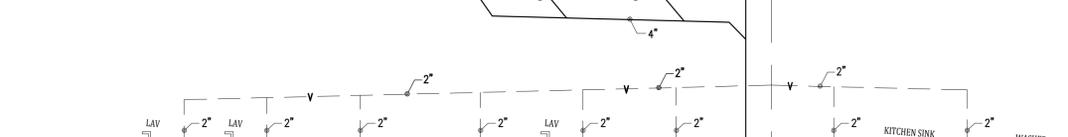
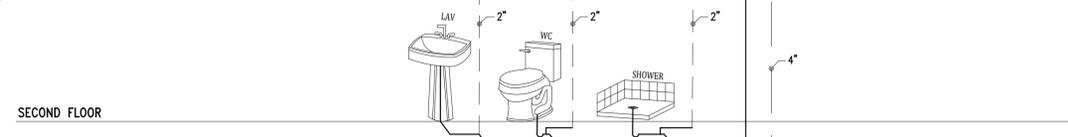
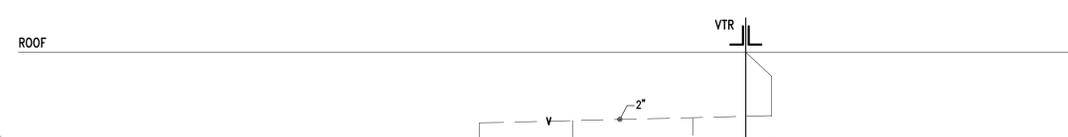
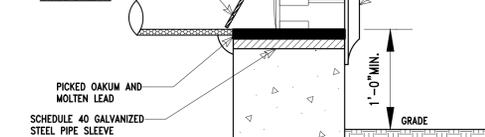
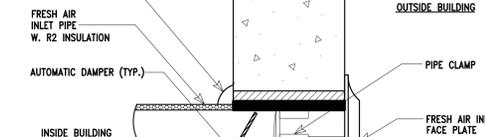
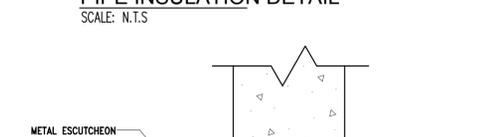
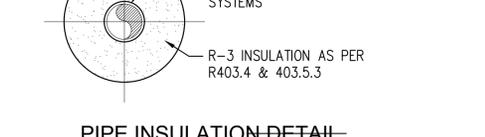
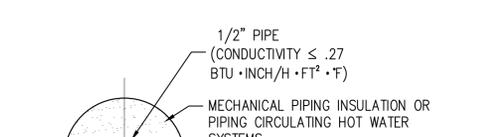
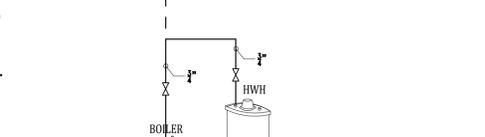
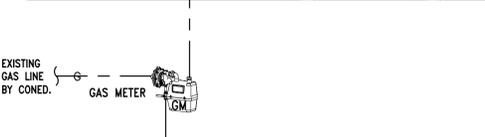
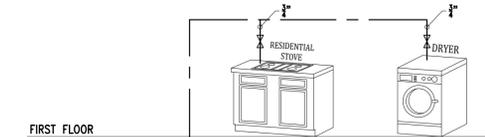
7. RIGID INSULATION WHEN SPECIFIED SHALL BE DECK MATE INSULATION BOARD BY "STYROFOAM" FOR ROOF AND CAVITY MATE BY "STYROFOAM" FOR STUD CAVITY WALL OR AS OTHERWISE SPECIFIED ON THE DRAWINGS.

8. PROPOSED R-VALUES ARE GREATER THAN SPECIFIED IN WI CODE 402.3

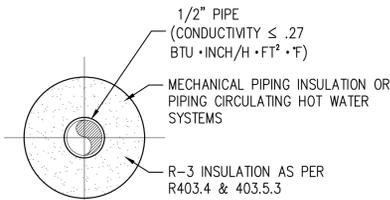
9. PROPOSED U-FACTORS AND SHGC FENESTRATION VALUES IN DRAWINGS MATCH WITH ENERGY ANALYSIS.

10. MINIMUM R-3 INSULATION WILL BE USED ON MECHANICAL DUCT AND PIPING AS PER WI BUILDING CODE (403.3)

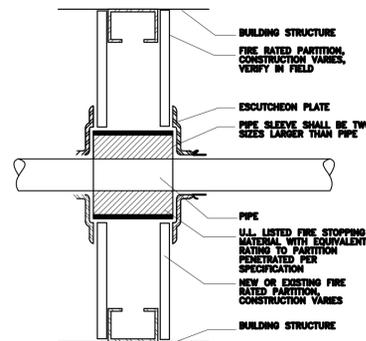
11. MINIMUM R-2 INSULATION WILL BE USED ON HOT WATER SYSTEM PIPING AS PER WI BUILDING CODE (403.4)



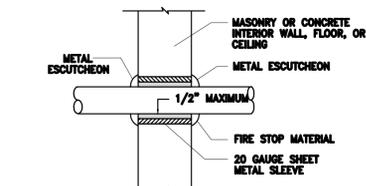
**PLUMBING RISER DIAGRAM**  
Scale: N.T.S



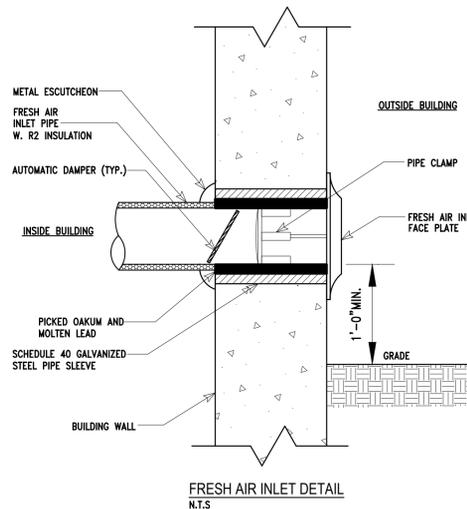
**PIPE INSULATION-DETAIL**  
SCALE: N.T.S



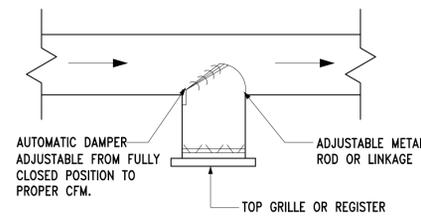
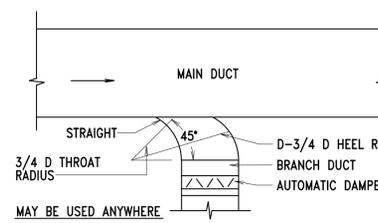
**PIPE PENETRATION AT RATED PARTITION**  
NOT TO SCALE



**PIPE PENETRATION IN INTERIOR WALL / FLOOR / CEILING**  
NOT TO SCALE

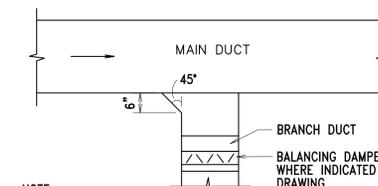


**FRESH AIR INLET DETAIL**  
N.T.S

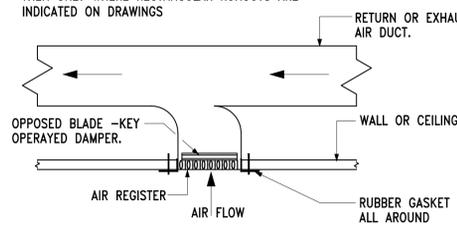


**PLAN VIEW**

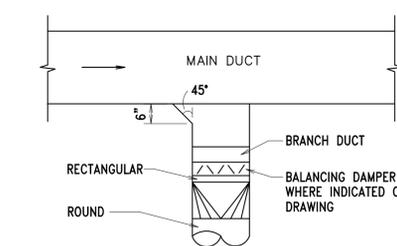
**SUPPLY GRILLE AND REGISTER TAKE-OFF**  
N.T.S.



**NOTE:**  
USE ONLY AT LAST TAKEOFF BEFORE OUTLETS & THEN ONLY WHERE RECTANGULAR RUNOUTS ARE INDICATED ON DRAWINGS



**RETURN AND EXHAUST REGISTER INSTALLATION**  
N.T.S.



**NOTES:**  
1. USE ONLY AT LAST TAKEOFF BEFORE OUTLETS & THEN ONLY WHERE ROUND RUNOUTS ARE INDICATED ON DRAWINGS  
2. SUPPLY DUCTS IN ATTICS SHALL BE R-8 MINIMUM AND R-6 MINIMUM IN ALL OTHER LOCATIONS.  
3. CONTRACTOR TO SEAL INSULATION JOINTS BY USING DUCT TAP (TYP.)

**TYPICAL BRANCH CONNECTION**  
NOT TO SCALE

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548408443

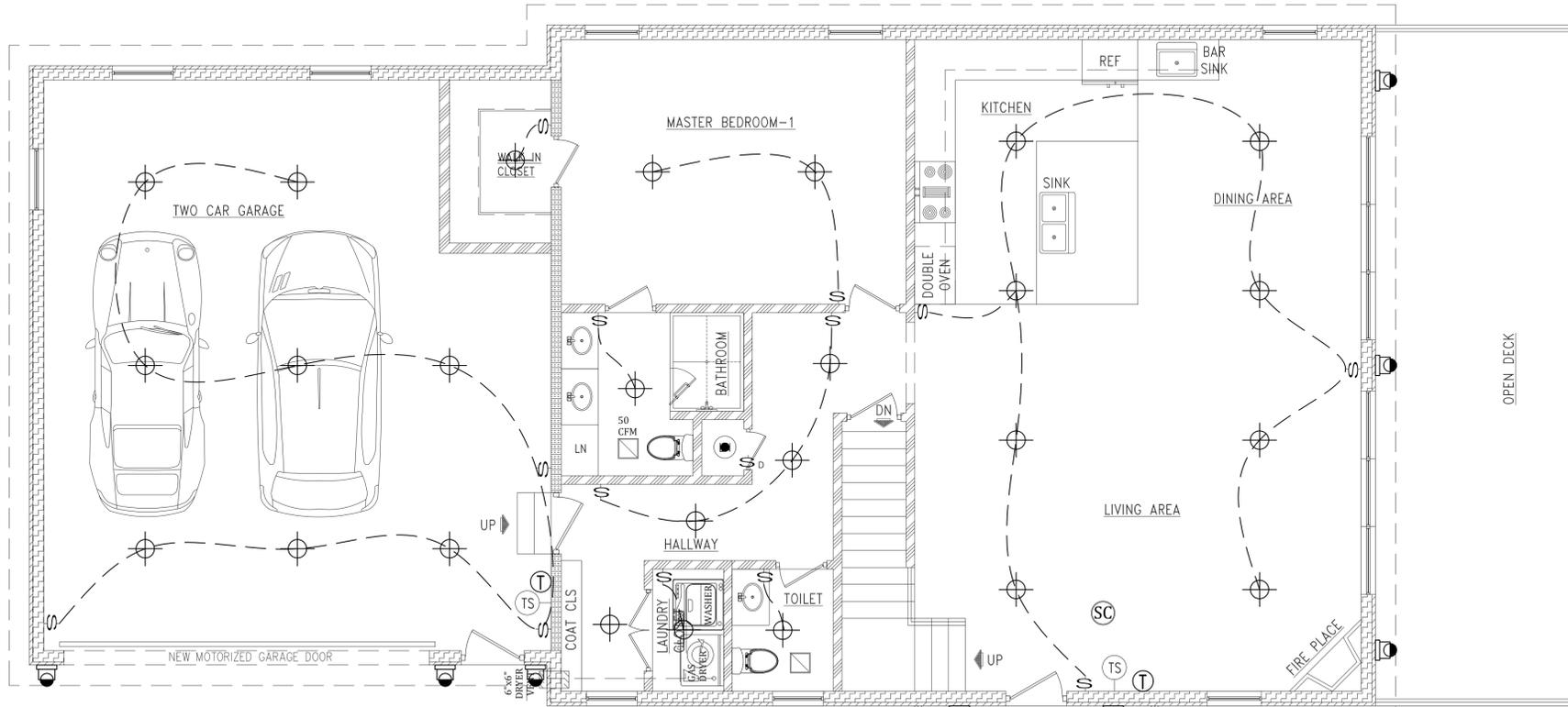
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**PLUMBING NOTES, RISER DIAGRAM AND DETAILS**

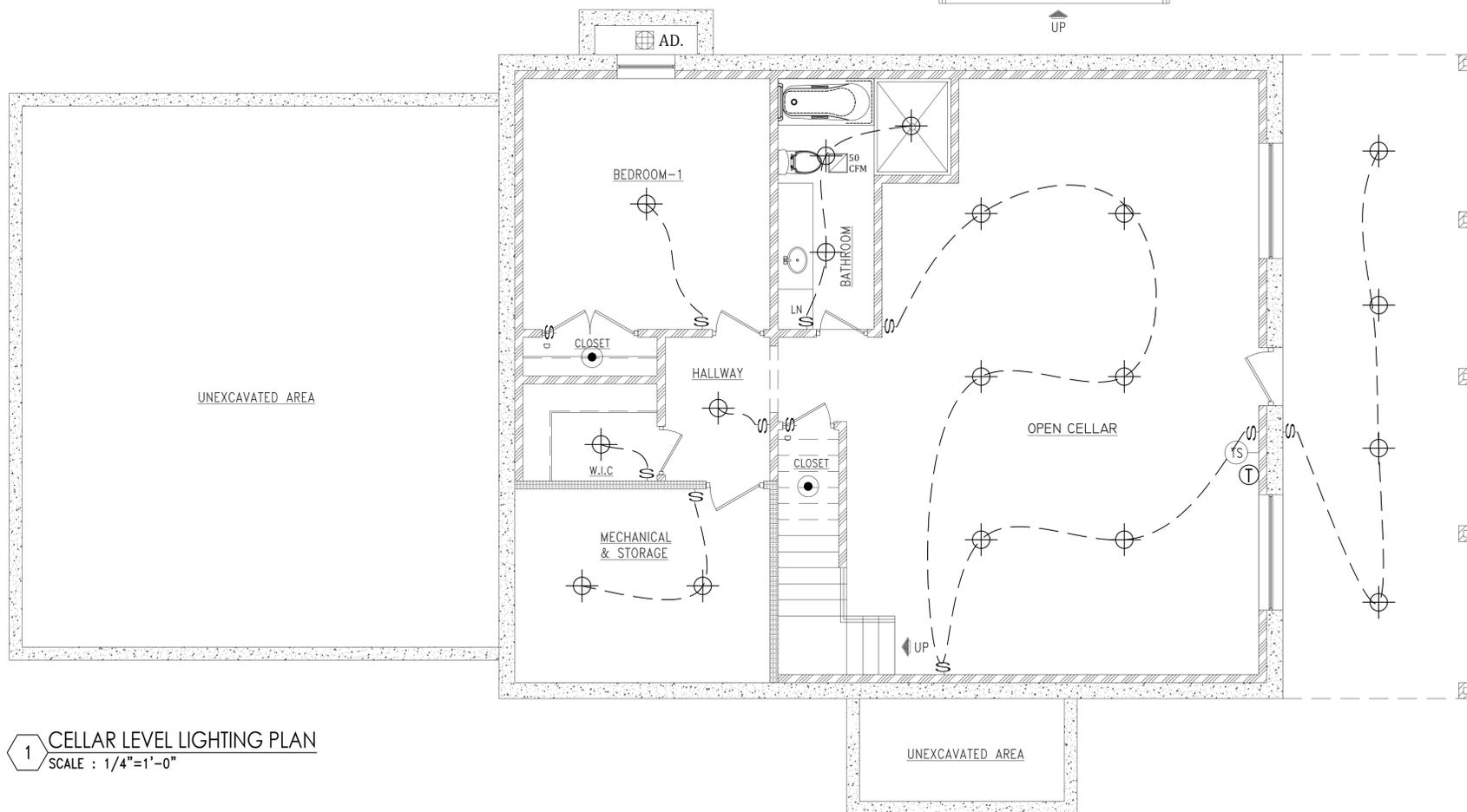
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Drawn By: M.Adil  
Chk. By:  
Drawing No. **P-001.00**  
Date: 10-11-25 12 OF 29

Project # BUILDINGS DEPARTMENT APPLICATION #

26-10



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



1 CELLAR LEVEL LIGHTING PLAN  
SCALE : 1/4"=1'-0"

Project:  
NEW ONE FAMILY HOUSE  
20931 BAYVIEW DR,  
GRANTSBURG, WI  
548408443

NO.	Date:	Remarks

LIGHTING PLANS

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

Drawn By: M.Adil

Chk. By:

Drawing No.

E-001.00

Date: 10-11-25 13 OF 29

Seal & signature

Project # BUILDINGS DEPARTMENT APPLICATION #

26-10

Project:  
**NEW ONE FAMILY HOUSE**  
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 GRANTSBURG, WI  
 548408443

LIGHTING SCHEDULE													
SYMBOL	MANUFACTURER	LOCATION	MODEL NUMBERS	DESCRIPTION	LAMP	BALLAST FACTOR	WATTAGE (W)	LUMEN (LM)	# OF FIXTURES	INPUT WATTAGE	EFFICACY (Lm/W)	VOLTAGE	FIXTURE TYPE
<b>INTERIOR LIGHTING</b>													
⊕	ASPECT LED	BED, FAMILY, LIVING AND DINING ROOM	RECESSED LED LIGHTING FIXTURE DIMMABLE MODEL # AL-RL-RCT-G6	CEILING SURFACE MOUNTED	1 LAMP (28W) BIAx COM. FL	0.88	13	900	22	78	69 (High Efficacy)	120	LED
⊕	ASPECT LED	KITCHEN AND BATHROOM	RECESSED LED LIGHTING FIXTURE DIMMABLE MODEL # AL-RL-RCT-G6	CEILING SURFACE MOUNTED	1 LAMP Metal Halide	N/A	13	900	5	520	69	109	LED
<b>EXTERIOR LIGHTING</b>													
⊕	MINKA LAVERY	OPEN PORCH & TERRACE	WALL SCONCE WITH PHOTOSENSOR MODEL # R353275	WALL MOUNTED	1 LED LAMP	N/A	12	835	5	108	69	240	LED

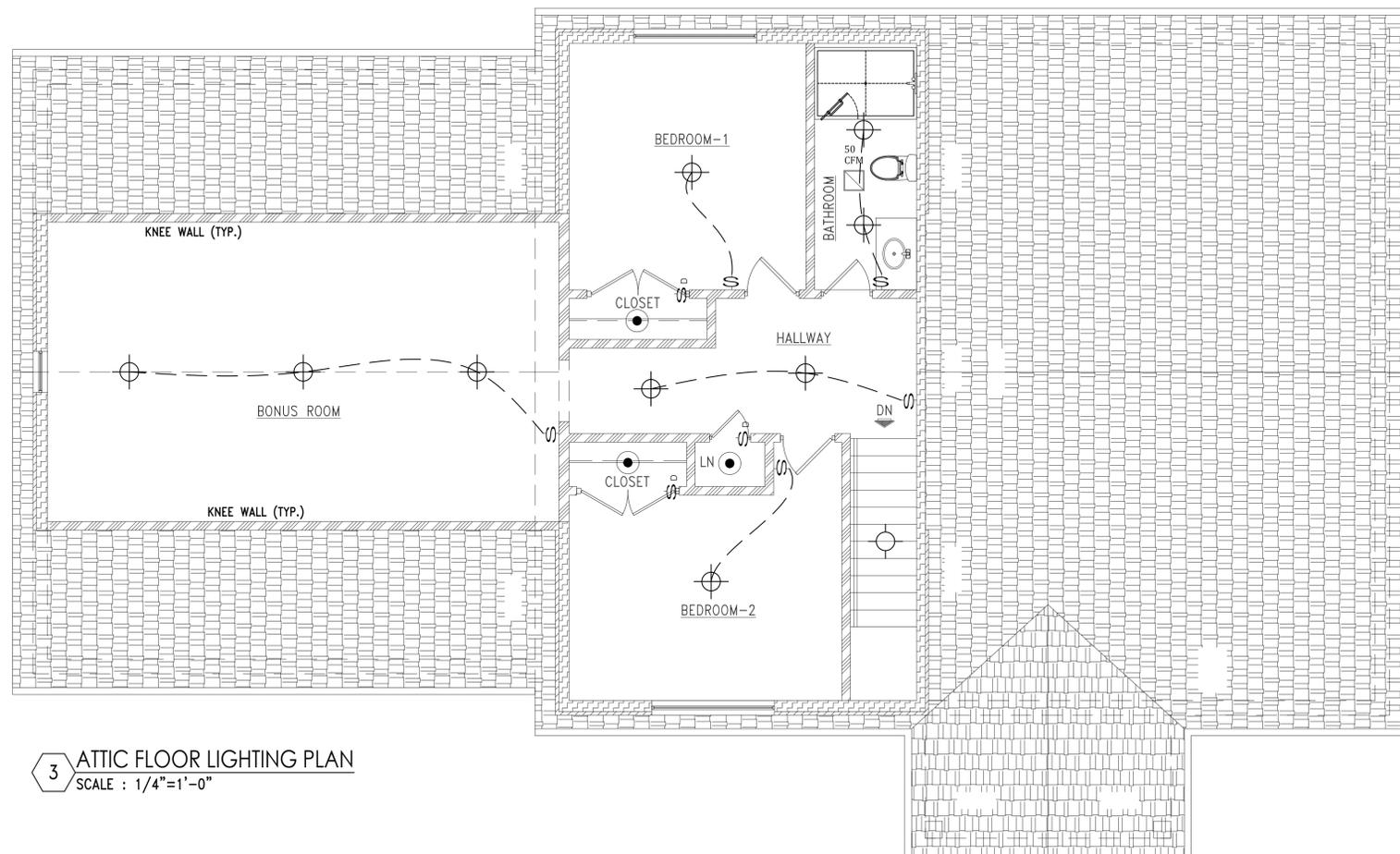
NOTE: 100% OF NEW LIGHTING IN DWELLING UNIT WILL BE INSTALLED ARE TO BE HIGH-EFFICACY LED LIGHTS

**ELECTRICAL NOTES**

ALL WIRING TO COMPLY WITH N.E.C., 1999 OR LATEST ADOPTED AND LOCAL REQUIREMENTS.  
 MINIMUM CIRCUIT TO BE 20 AMP. BREAKER, (2) #12 IN 3/4, CONDUIT (=GND.) UNLESS SHOWN OTHERWISE.  
 WIRE SIZES BASED ON THE COPPER, A.W.G.  
 PROVIDE DISCONNECTING MEANS AT ALL MOTOR LOADS. EQUIPMENT SUPPLIER.  
 VERIFY ALL REQUIREMENTS FOR KITCHEN EQUIPMENT WITH. MAKE ALL FINAL CONNECTIONS.  
 MOUNT ALL ELECTRICAL DEVICES AND SWITCHES AS REQUIRED. BY THE ADA AND THE LOCAL STATE BARRIER FREE RULES.  
 FUSE ALL MOTORS AND MOTOR ASSEMBLIES IN A ACCORDANCE WITH THE N.E.C. 1990 AND MANUFACTURER'S RECOMMENDATIONS.  
 BALANCE THE LOADS EVENLY BETWEEN THE PHASES OF THE SYSTEM MINIMUM UNBALANCE OF 3  
 MAINTAIN A MAXIMUM VOLTAGE DROP OF 5 ENTIRE SYSTEM.  
 COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING TRADES IN FIELD.  
 VERIFY ALL EXISTING JOB CONDITIONS AND ACCOMMODATE AS REQUIRED FOR A COMPLETE INSTALLATION.  
 ELECTRICAL PANEL SHALL BE ENCLOSED INTO THE WALL.  
 ALL PERMANENTLY INSTALLED LIGHTING FIXTURES WILL CONTAIN AT LEAST 90% HIGH-EFFICACY LAMPS.  
 LIGHTING WILL BE INSTALLED WITH DAY LIGHT SENSOR SYSTEM.

**ELECTRICAL LEGEND**

- ⊕ WALL SCONCE WITH PHOTOSENSOR
- ⊕ RECESSED LED LIGHTING FIXTURE DIMMABLE
- ⊕ RECESSED LED LIGHTING FIXTURE W/ OCCUPANCY SENSOR
- CEILING MOUNTED LED LIGHTING FIXTURE
- 1x4 SURFACE MOUNTED FLUORESCENT LIGHT 2 LAMP @ 32-WATT EACH T8 LAMPS AND ELECTRONIC BALLAST
- S WALL MOUNTED SWITCH
- S<sub>D</sub> CLOSET DOOR SWITCH
- EXIT EMERGENCY ESCAPE LIGHT
- EXIT ILLUMINATED EXIT SIGN WITH BATTERY BACKUP (TYP.)
- TS AUTOMATIC TIME SWITCH CONTROL
- EVS<sub>B</sub> ELECTRIC VEHICLE SERVICE EQUIPMENT



3 ATTIC FLOOR LIGHTING PLAN  
 SCALE : 1/4"=1'-0"

NO. Date: Remarks

**LIGHTING PLAN AND NOTES**

Scale: 1/4"=1'-0"  
 Drawn By: M.Adil  
 Chk. By:  
 Drawing No.  
**E-002.00**  
 Date: 10-11-25 14 OF 29

Seal & signature

Project # BUILDINGS DEPARTMENT APPLICATION #  
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 NEW ONE FAMILY HOUSE  
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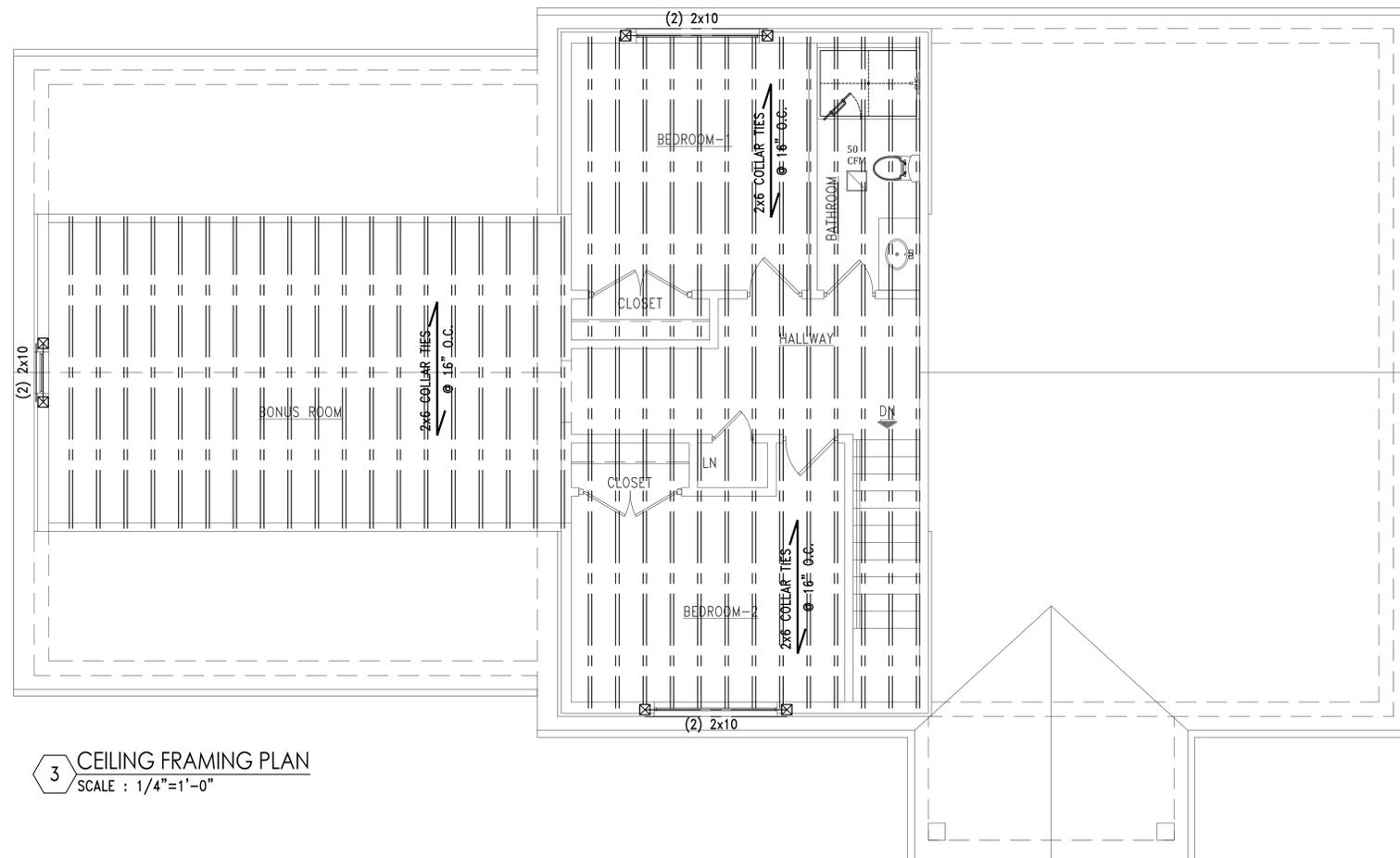
1 CELLAR & FIRST FLOOR FRAMING PLAN  
 SCALE : 1/4"=1'-0"

NO.	Date:	Remarks

FRAMING FLOOR PLAN	
Scale: 1/4"=1'-0"	Seal & signature
Drawn By: M.Adil	
Chk. By:	
Drawing No. <b>S-001.00</b>	
Date: 10-11-25 15 OF29	

Project #	BUILDINGS DEPARTMENT APPLICATION #
26-10	.





3 CEILING FRAMING PLAN  
SCALE : 1/4"=1'-0"

Project:  
NEW ONE FAMILY HOUSE  
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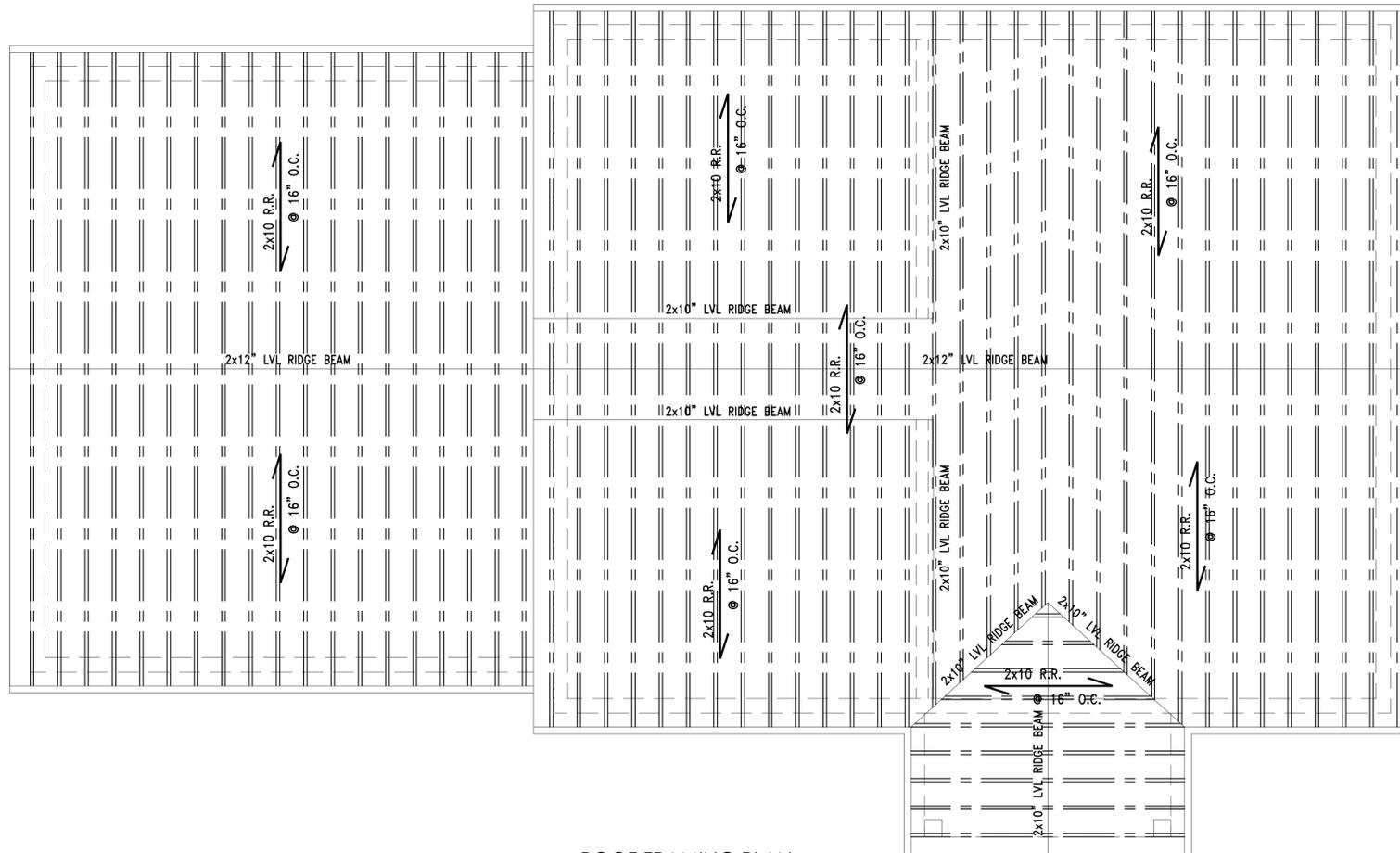
NO.	Date:	Remarks

FRAMING FLOOR PLAN

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Drawn By: M.Adil	
Chk. By:	
Drawing No. <b>S-003.00</b>	
Date: 10-11-25 17 OF29	

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26-10	.

Project:  
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4 ROOF FRAMING PLAN  
 SCALE : 1/4"=1'-0"

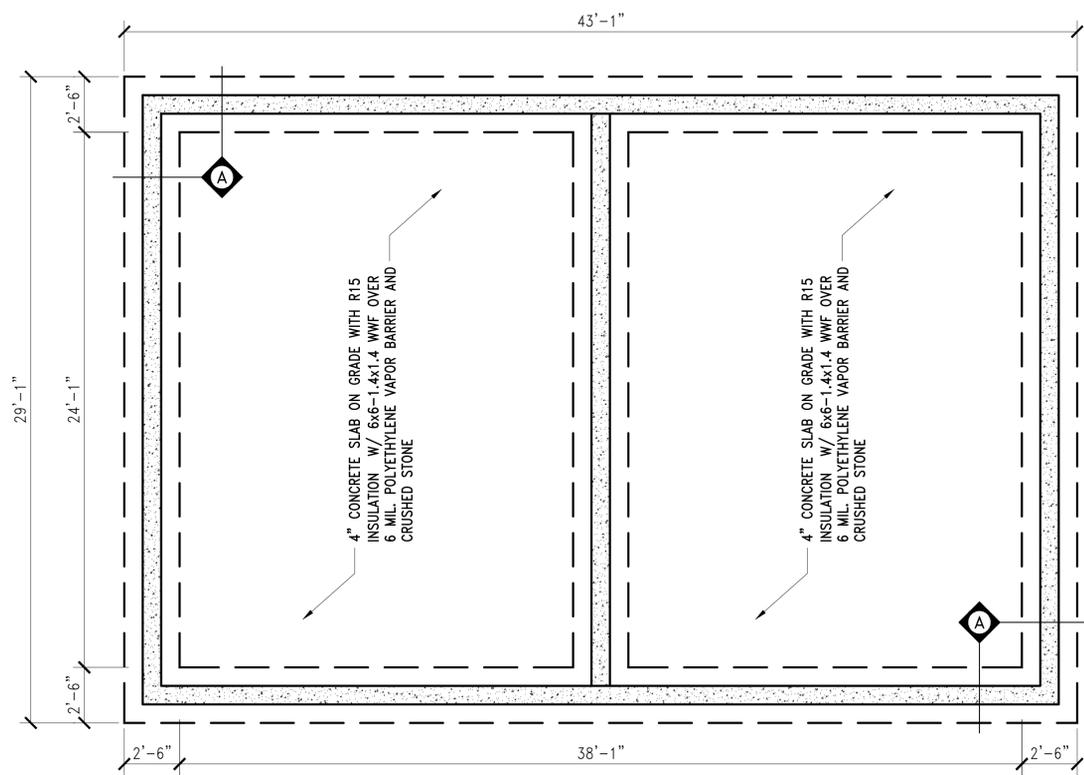
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FRAMING FLOOR PLAN

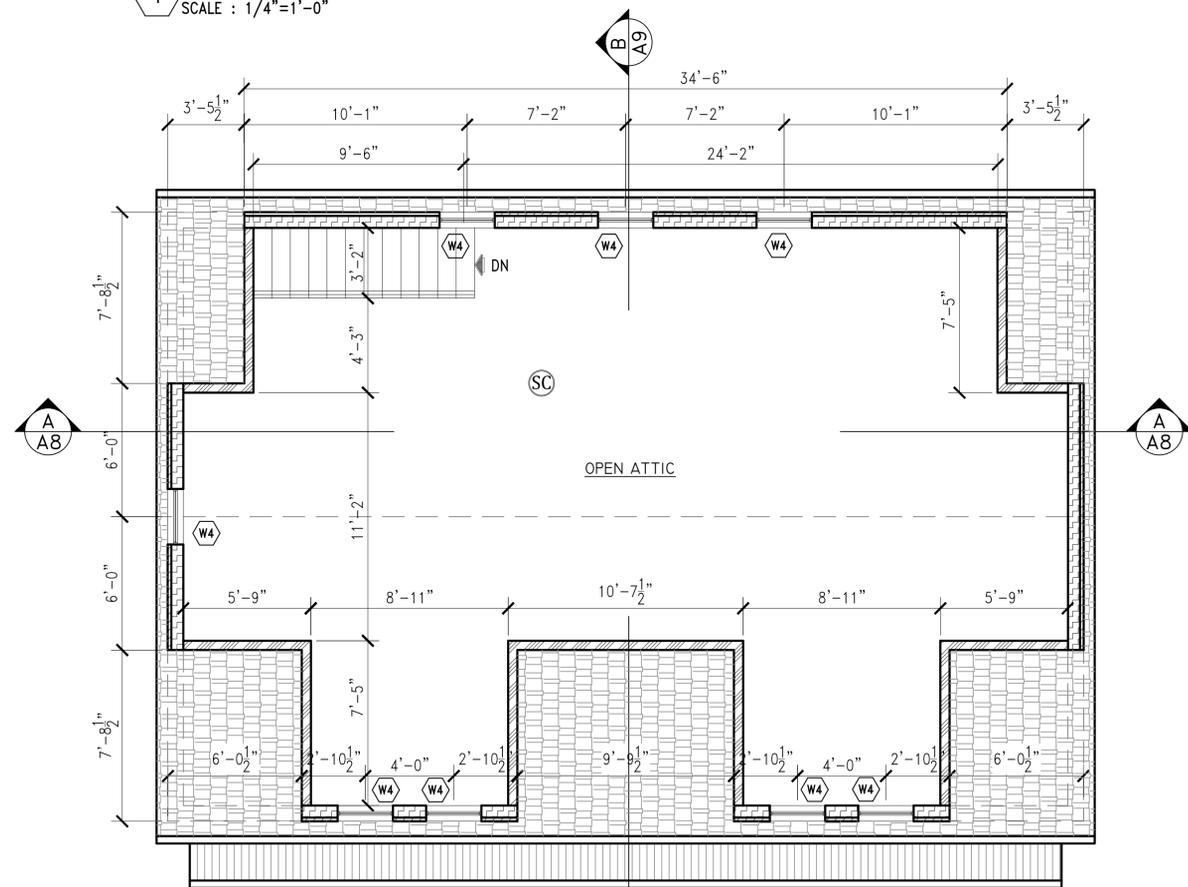
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Chk. By:	
Drawing No. <b>S-004.00</b>	
Date: 10-11-25 18 OF29	

Project # BUILDINGS DEPARTMENT APPLICATION #

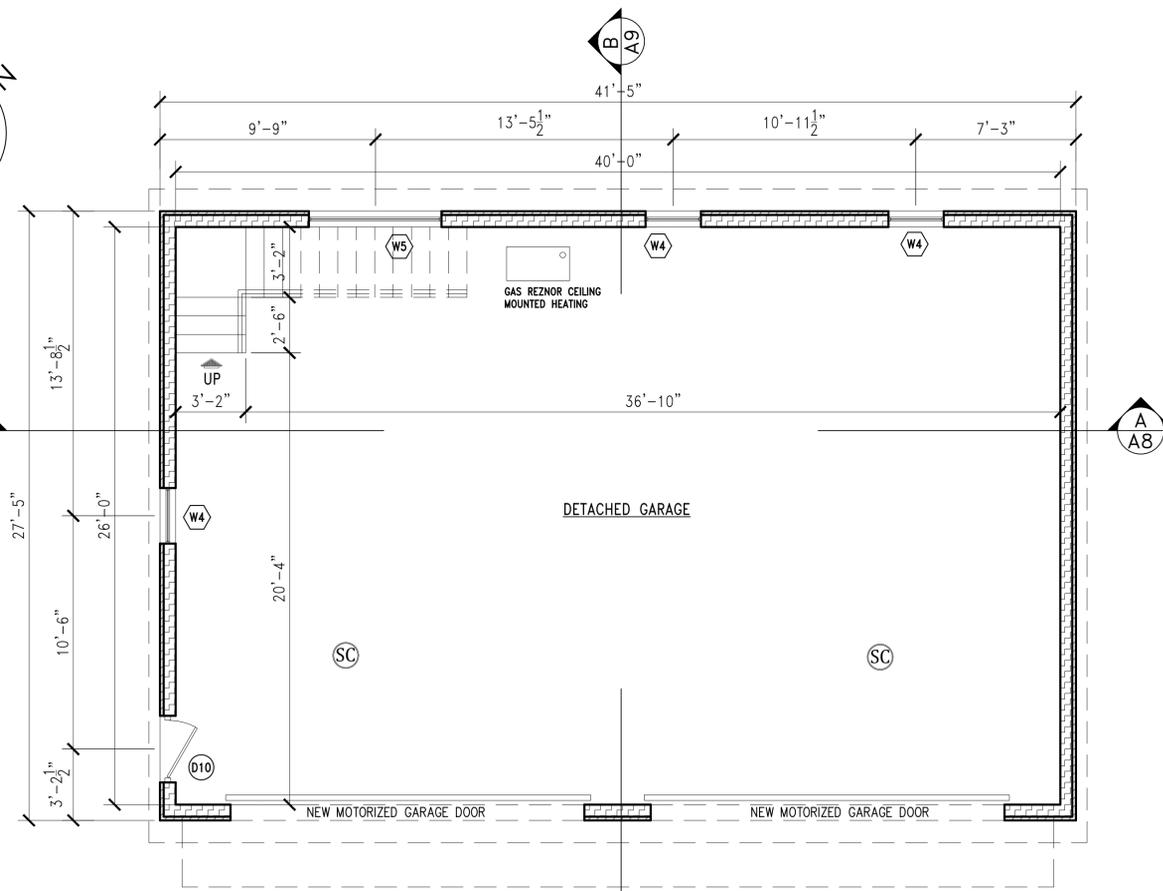
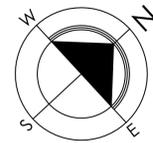
26-10 .



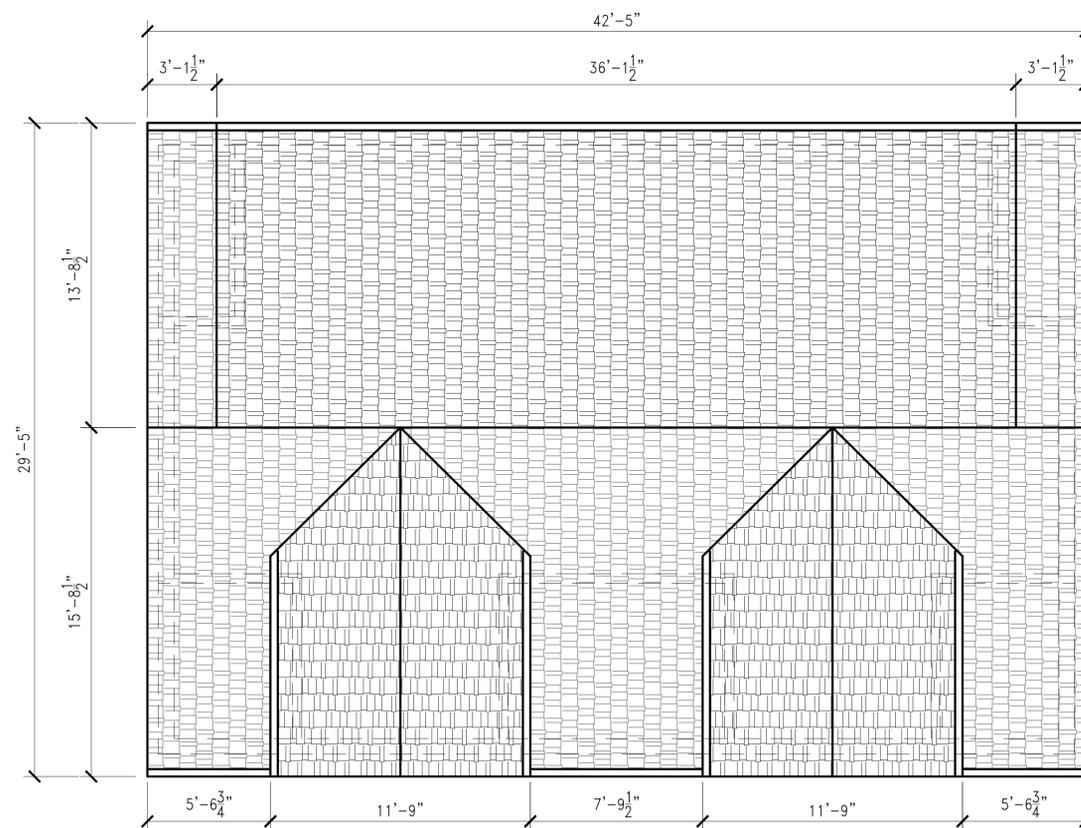
1 FOUNDATION CONSTRUCTION PLAN  
SCALE : 1/4"=1'-0"



3 ATTIC CONSTRUCTION PLAN  
SCALE : 1/4"=1'-0"



2 DETACHED GARAGE CONSTRUCTION PLAN  
SCALE : 1/4"=1'-0"



4 ROOF CONSTRUCTION PLAN  
SCALE : 1/4"=1'-0"

Project:  
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**LEGEND**

- NEW INTERIOR PARTITIONS
- NEW EXTERIOR WALL
- NEW CMU WALL
- CONCRETE WALL
- 2hr. FIRE RATED WALL
- 4" BRICK VENEER
- 2" VINYL SIDING
- EARTH
- GRAVEL
- HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
- HEAT DETECTOR W/BATTERY BACKUP (TYP.)
- SOLID STATE PROGRAMMABLE THERMOSTAT.
- SECTION DESIGNATION DRAWING NUMBER
- FLOOR DRAIN
- AREA DRAIN
- ELECTRIC METER
- PERMANENT CERTIFICATE
- DUAL POLE CIRCUIT BREAKER
- ENERGY RECOVERY VENTILATOR
- A/C DIFFUSER
- WINDOWS TYPE
- DOOR TYPE
- FOUNDATION SECTION

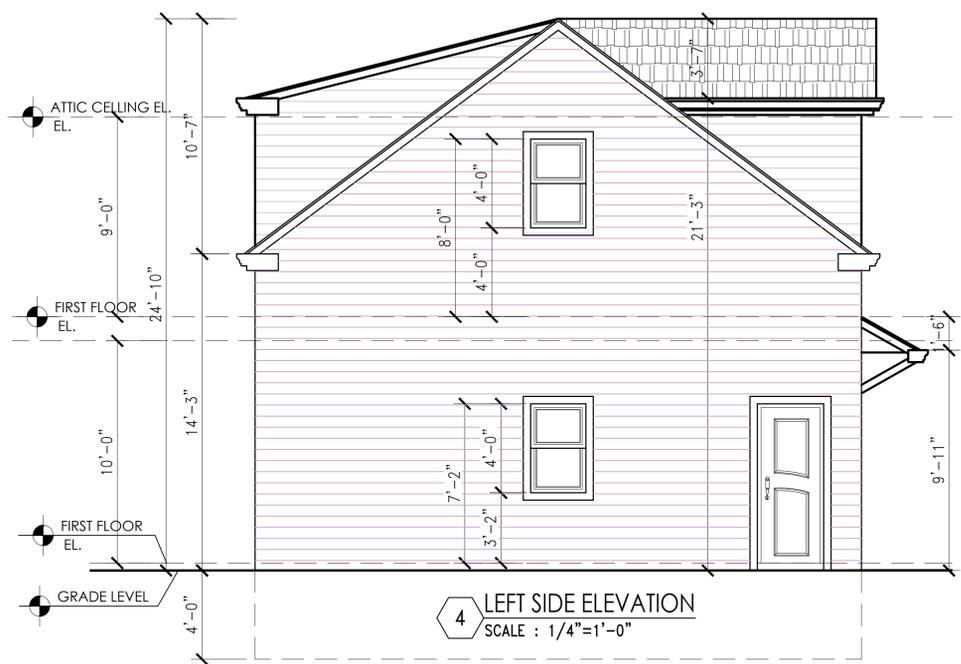
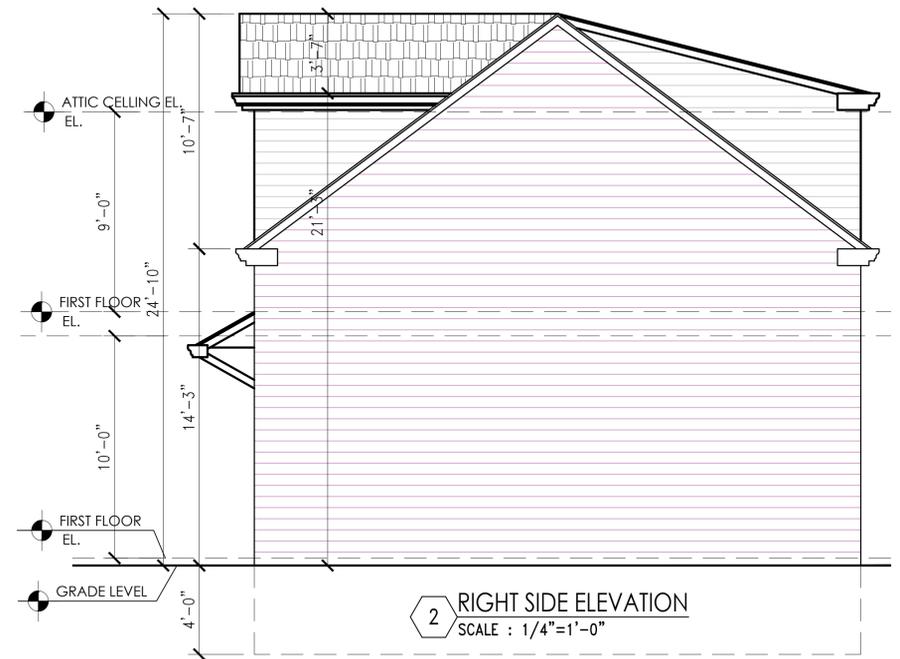
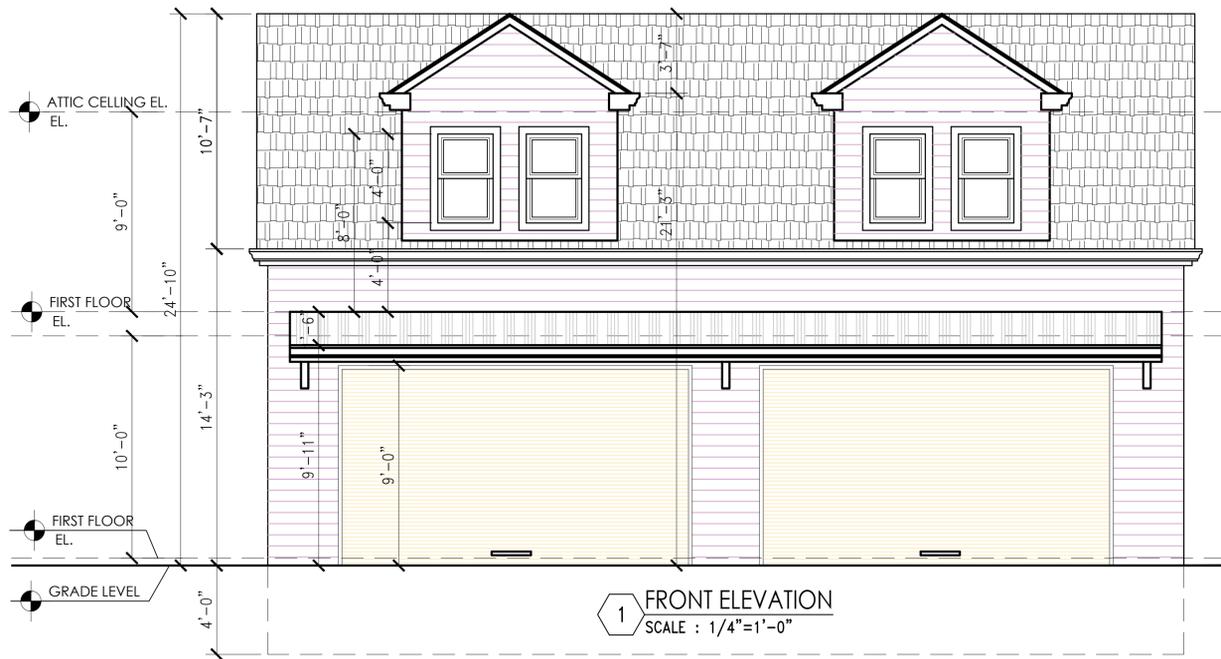
NO.	Date:	Remarks

**CONSTRUCTION FLOOR PLANS AND DETAILS**

Scale: 1/4"=1'-0"  
 Drawn By: M.Adil  
 Chk. By:  
 Drawing No. **G-001.00**  
 Date: 10-11-25 19 OF 29

Seal & signature

Project # BUILDINGS DEPARTMENT APPLICATION #



Project:  
**NEW ONE FAMILY HOUSE**  
 20931 BAYVIEW DR,  
 GRANTSBURG, WI  
 548408443

- LEGEND**
- NEW INTERIOR PARTITIONS
  - NEW EXTERIOR WALL
  - NEW CMU WALL
  - CONCRETE WALL
  - 2hr. FIRE RATED WALL
  - 4" BRICK VENEER
  - 2" VINYL SIDING
  - EARTH
  - GRAVEL
  - HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
  - HEAT DETECTOR W/BATTERY BACKUP (TYP.)
  - SOLID STATE PROGRAMMABLE THERMOSTAT.
  - SECTION DESIGNATION
  - DRAWING NUMBER
  - FLOOR DRAIN
  - AREA DRAIN
  - ELECTRIC METER
  - PERMANENT CERTIFICATE
  - DUAL POLE CIRCUIT BREAKER
  - ENERGY RECOVERY VENTILATOR
  - A/C DIFFUSER
  - WINDOWS TYPE
  - DOOR TYPE
  - FOUNDATION SECTION

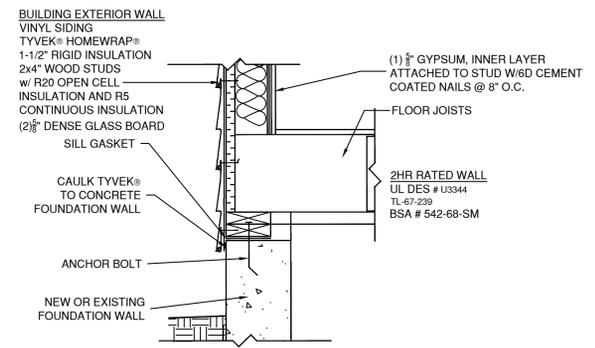
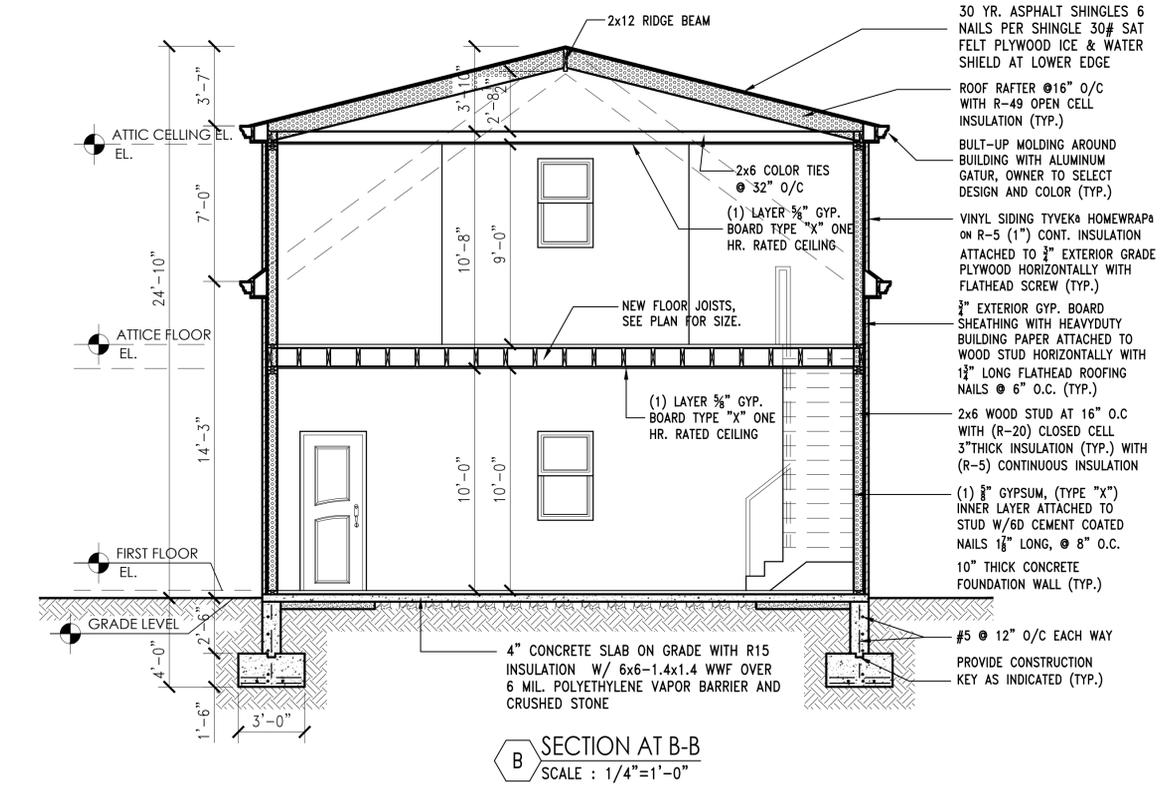
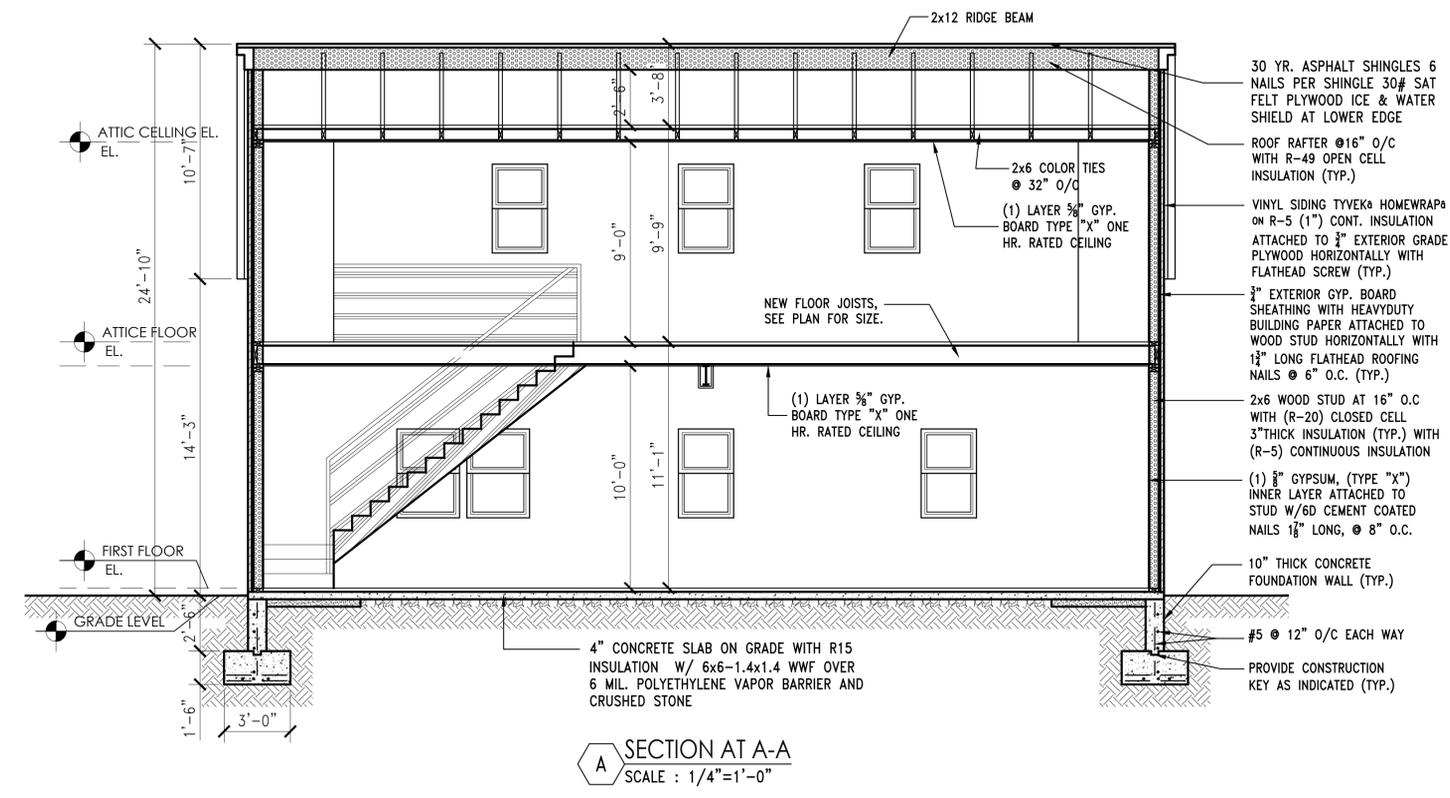
NO.	Date:	Remarks

**GARAGE ELEVATIONS**

Scale: 1/4"=1'-0"	Seal & signature
Drawn By: M.Adil	
Chk. By:	
Drawing No. <b>G-002.00</b>	
Date: 10-11-25 20 OF 29	Project #
26-10	BUILDINGS DEPARTMENT APPLICATION #

Project:  
**NEW ONE FAMILY HOUSE**  
 20931 BAYVIEW DR,  
 GRANTSBURG, WI  
 548408443

- LEGEND**
- NEW INTERIOR PARTITIONS
  - NEW EXTERIOR WALL
  - NEW CMU WALL
  - CONCRETE WALL
  - 2hr. FIRE RATED WALL
  - 4" BRICK VENEER
  - 2" VINYL SIDING
  - EARTH
  - GRAVEL
  - HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
  - HEAT DETECTOR W/BATTERY BACKUP (TYP.)
  - SOLID STATE PROGRAMMABLE THERMOSTAT.
  - SECTION DESIGNATION DRAWING NUMBER
  - FLOOR DRAIN
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  - PERMANENT CERTIFICATE
  - DUAL POLE CIRCUIT BREAKER
  - ENERGY RECOVERY VENTILATOR
  - A/C DIFFUSER
  - WINDOWS TYPE
  - DOOR TYPE
  - FOUNDATION SECTION



NO.	Date:	Remarks
<b>GARAGE SECTIONS AND CONSTRUCTION DETAILS</b>		
Scale: 1/4"=1'-0"		Seal & signature
Drawn By: M.Adil		
Chk. By:		
Drawing No.		G-003.00
Date: 10-11-25 21 OF 29		
Project #	BUILDINGS DEPARTMENT APPLICATION #	
26-10		

Project:  
**NEW ONE FAMILY HOUSE**  
 20931 BAYVIEW DR,  
 GRANTSBURG, WI  
 548408443

LIGHTING SCHEDULE													
SYMBOL	MANUFACTURER	LOCATION	MODEL NUMBERS	DESCRIPTION	LAMP	BALLAST FACTOR	WATTAGE (W)	LUMEN (LM)	# OF FIXTURES	INPUT WATTAGE	EFFICACY (LM/W)	VOLTAGE	FIXTURE TYPE
<b>INTERIOR LIGHTING</b>													
⊙	ASPECT LED	GARAGE	RECESSED LED LIGHTING FIXTURE DIMMABLE MODEL # AL-RL-RCT-G6	CEILING SURFACE MOUNTED	1 LAMP (28W) BIAx COM. FL	0.88	13	900	20	78	69 (High Efficacy)	120	LED
<b>EXTERIOR LIGHTING</b>													
⊙	MINKA LAVERY	OPEN PORCH & TERRACE	WALL SCONCE WITH PHOTOSENSOR MODEL # R353275	WALL MOUNTED	1 LED LAMP	N/A	12	835	5	108	69	240	LED

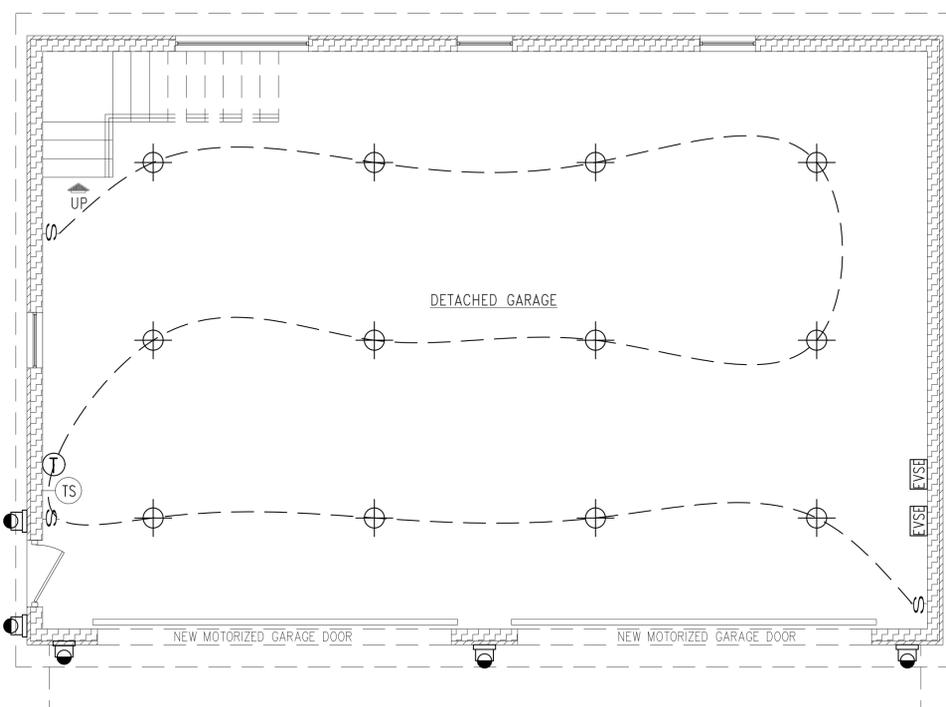
NOTE: 100% OF NEW LIGHTING IN DWELLING UNIT WILL BE INSTALLED ARE TO BE HIGH-EFFICACY LED LIGHTS

**ELECTRICAL NOTES**

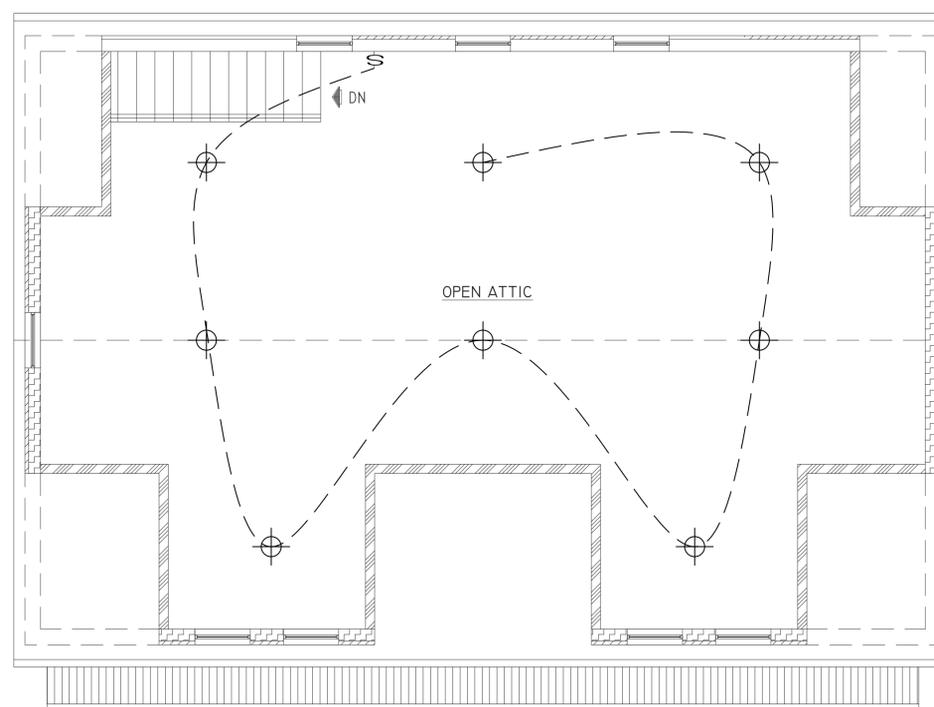
ALL WIRING TO COMPLY WITH N.E.C., 1999 OR LATEST ADOPTED AND LOCAL REQUIREMENTS.  
 MINIMUM CIRCUIT TO BE 20 AMP. BREAKER, (2) #12 IN 3/4" CONDUIT (=GND.) UNLESS SHOWN OTHERWISE.  
 WIRE SIZES BASED ON THE COPPER, A.W.G.  
 PROVIDE DISCONNECTING MEANS AT ALL MOTOR LOADS. EQUIPMENT SUPPLIER.  
 VERIFY ALL REQUIREMENTS FOR KITCHEN EQUIPMENT WITH. MAKE ALL FINAL CONNECTIONS.  
 MOUNT ALL ELECTRICAL DEVICES AND SWITCHES AS REQUIRED. BY THE ADA AND THE LOCAL STATE BARRIER FREE RULES.  
 FUSE ALL MOTORS AND MOTOR ASSEMBLIES IN A ACCORDANCE WITH THE N.E.C. 1990 AND MANUFACTURER'S RECOMMENDATIONS.  
 BALANCE THE LOADS EVENLY BETWEEN THE PHASES OF THE SYSTEM MINIMUM UNBALANCE OF 3  
 MAINTAIN A MAXIMUM VOLTAGE DROP OF 5 ENTIRE SYSTEM.  
 COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING TRADES IN FIELD.  
 VERIFY ALL EXISTING JOB CONDITIONS AND ACCOMMODATE AS REQUIRED FOR A COMPLETE INSTALLATION.  
 ELECTRICAL PANEL SHALL BE ENCLOSED INTO THE WALL.  
 ALL PERMANENTLY INSTALLED LIGHTING FIXTURES WILL CONTAIN AT LEAST 90% HIGH-EFFICACY LAMPS.  
 LIGHTING WILL BE INSTALLED WITH DAY LIGHT SENSOR SYSTEM.

**ELECTRICAL LEGEND**

- ⊙ WALL SCONCE WITH PHOTOSENSOR
- ⊙ RECESSED LED LIGHTING FIXTURE DIMMABLE
- ⊙ RECESSED LED LIGHTING FIXTURE W/ OCCUPANCY SENSOR
- ⊙ CEILING MOUNTED LED LIGHTING FIXTURE
- 1x4 SURFACE MOUNTED FLUORESCENT LIGHT 2 LAMP @ 32-WATT EACH T8 LAMPS AND ELECTRONIC BALLAST
- S WALL MOUNTED SWITCH
- S<sub>D</sub> CLOSET DOOR SWITCH
- ⊙ EMERGENCY ESCAPE LIGHT
- EXIT ILLUMINATED EXIT SIGN WITH BATTERY BACKUP (TYP.)
- TS AUTOMATIC TIME SWITCH CONTROL
- EVSE ELECTRIC VEHICLE SERVICE EQUIPMENT



1 DETACHED GARAGE LIGHTING PLAN  
 SCALE : 1/4"=1'-0"



2 ATTIC LIGHTING PLAN  
 SCALE : 1/4"=1'-0"

NO.	Date:	Remarks

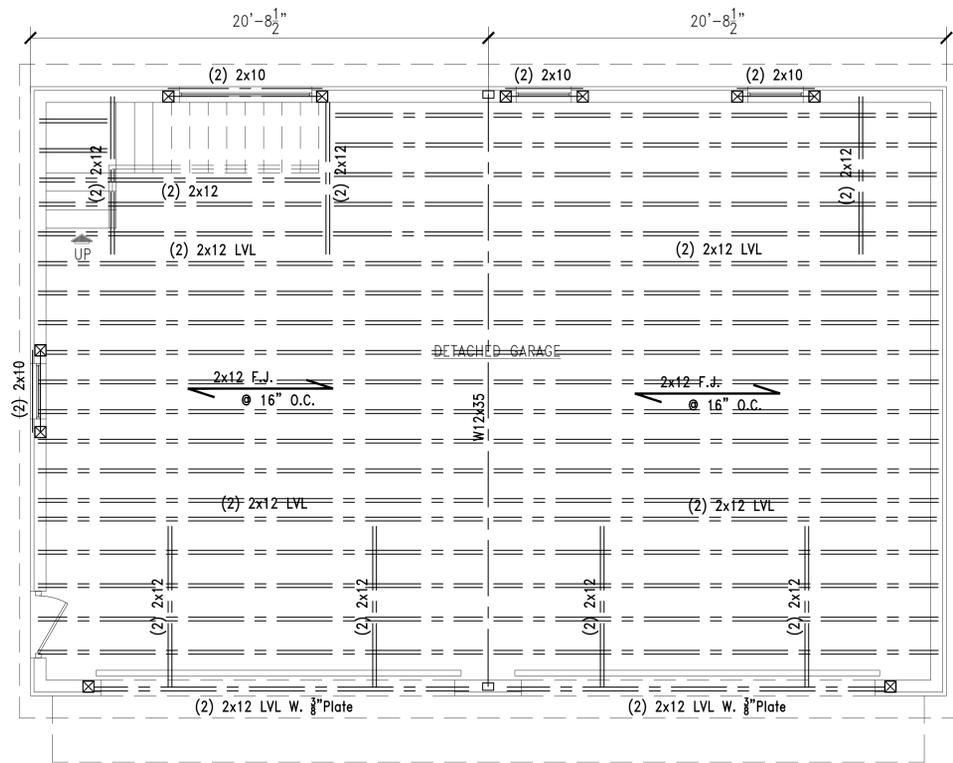
**DETACHED GARAGE LIGHTING PLANS AND DETAILS**

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 Chk. By:  
 Drawing No.  
**GE-04.00**  
 Date: 10-11-25 22 OF 29

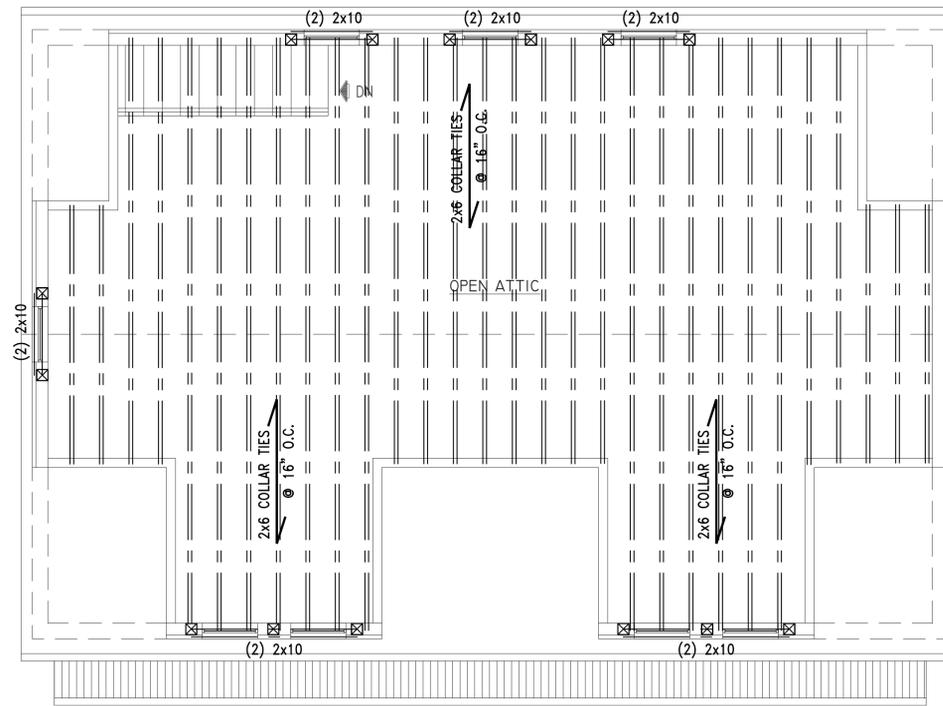
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Project # BUILDINGS DEPARTMENT APPLICATION #

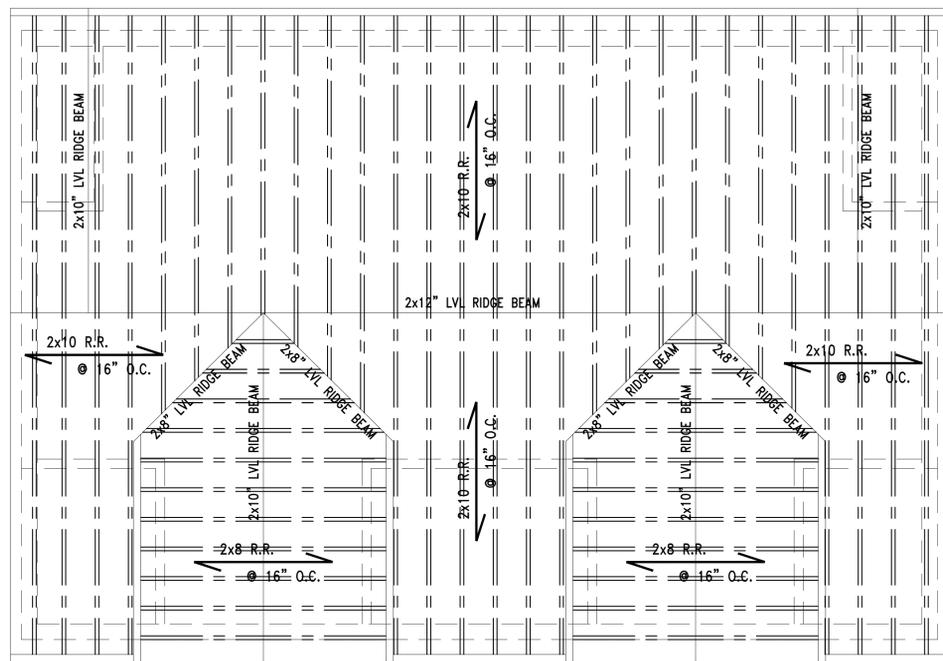
26-10



1 FIRST & ATTIC FLOOR FRAMING PLAN  
SCALE : 1/4"=1'-0"



2 CEILING FLOOR FRAMING PLAN  
SCALE : 1/4"=1'-0"



3 ROOF FRAMING PLAN  
SCALE : 1/4"=1'-0"

Project:  
NEW ONE FAMILY HOUSE  
20931 BAYVIEW DR,  
GRANTSBURG, WI  
548408443

NO.	Date:	Remarks

FRAMING FLOOR PLANS

Scale: 1/4"=1'-0"  
Drawn By: M.Adil  
Chk. By:  
Drawing No. GS-01.00  
Date: 10-11-25 23 OF 29

Seal & signature

Project # BUILDINGS DEPARTMENT APPLICATION #

26-10

**Mechanical Schedule:**

"HW"  
ELECTRIC, HOT WATER HEATER WITH THRU-WALL EXHAUST AND AIR INTAKE KIT, (DIRECT VENT) PROMAX STANDARD MANUFACTURED BY RHEEM OR APPROVED EQUAL. STORAGE CAPACITY BY PLUMBER. (SEE SPEC ON M-003.0)

"FU"  
ELECTRIC, FURNACE WITH THRU-WALL EXHAUST AND AIR INTAKE KIT. (DIRECT VENT). MANUFACTURED BY GOODMAN OR APPROVED EQUAL. (SEE SPEC ON M-003.0)

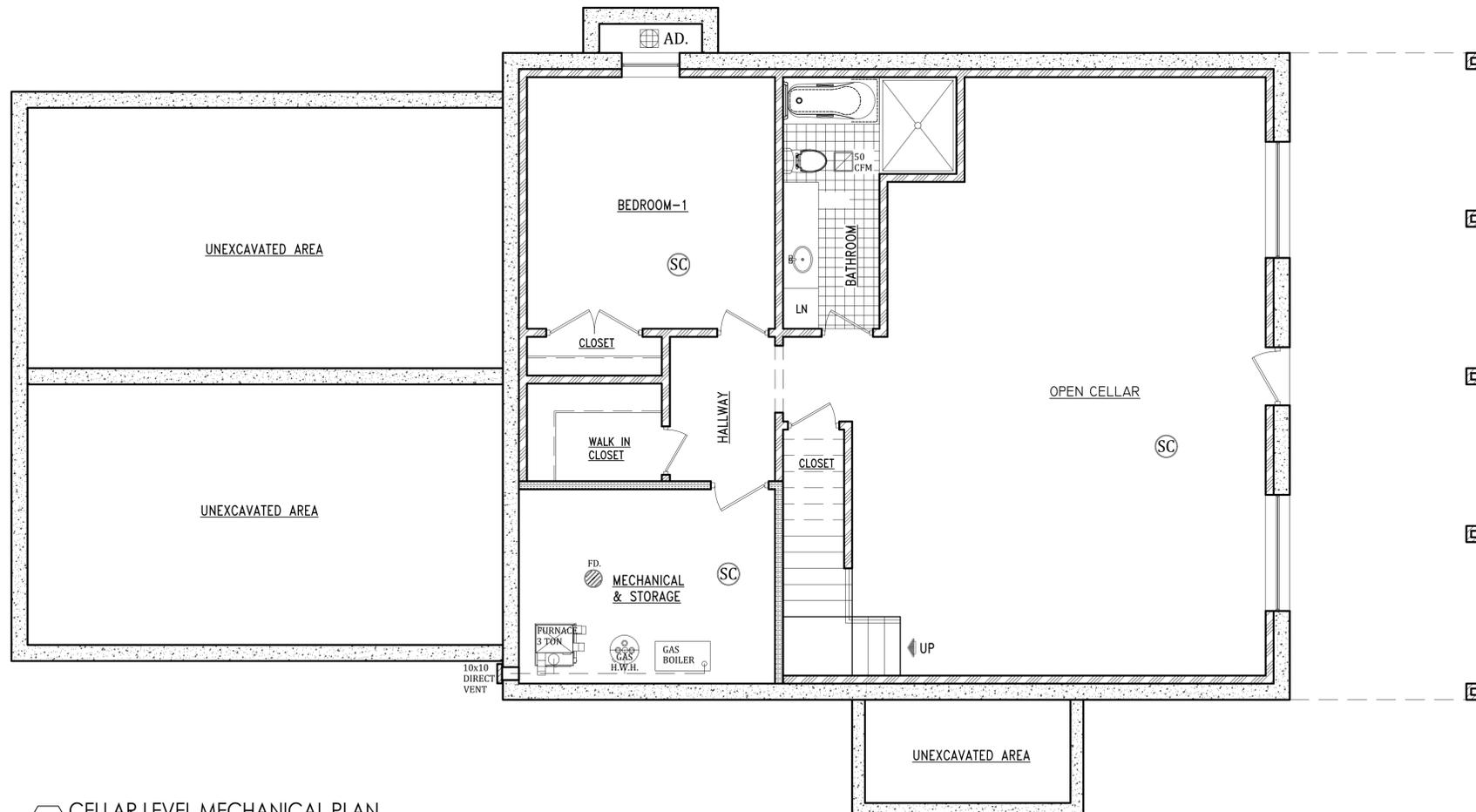
E.C.C. R403.1 - CONTROLS  
R403.1.1 - PROGRAMMABLE THERMOSTAT  
THE THERMOSTAT CONTROLLING THE PRIMARY HEATING OR COOLING SYSTEM OF THE DWELLING UNIT SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY. THIS THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURE OF NOT LESS THAN 55° F (13° C) TO NOT GREATER THAN 85° F (29° C). THE THERMOSTAT SHALL BE PROGRAMMED INITIALLY BY THE MANUFACTURER WITH A HEATING TEMPERATURE SET POINT OF NOT GREATER THAN 70° F (21° C) AND A COOLING TEMPERATURE SET POINT OF NOT LESS THAN 78° F (26° C) AS.....

**HVAC CONDENSER:**  
(CU-1) 5 TON CONDENSING UNIT BY (RHEEM) MODEL # RA19AAAY, 19 SEER2, 12 EER2  
UNITS NOISE LEVEL - 20 Decibels OR APPROVED EQUAL  
4" CONCRETE PAD OVER COMPACTED EARTH TO INSTALL CONDENSING UNITS

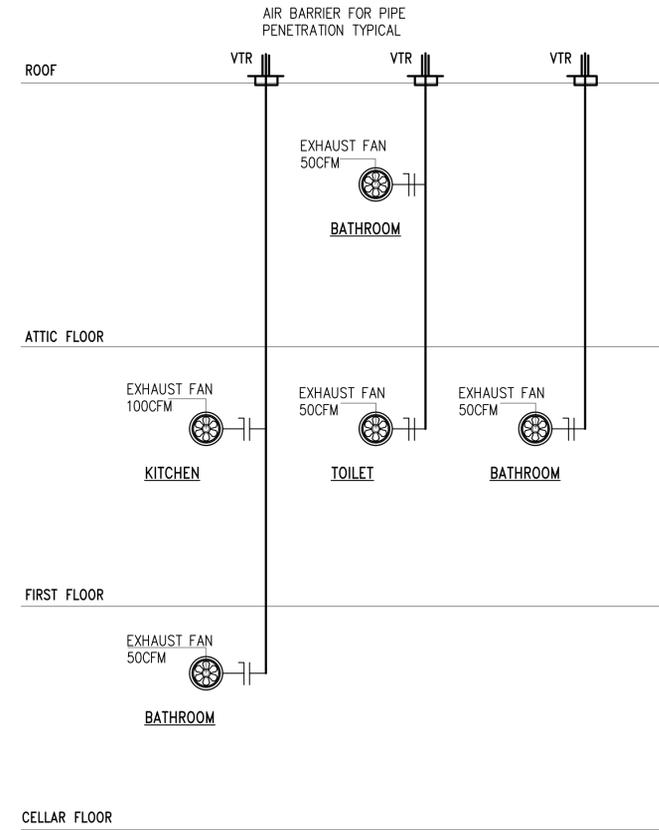
**GAS FIRED EQUIPMENTS**  
GAS FIRED HOT WATER HEATERS BY RINNAI (MODEL # RX1991N) 199,000 BTU input  
Uniform Energy Factor 0.98%

**GAS BOILER**  
WALL MOUNTED GAS BOILER (LOCATED IN CELLAR) BY RINNAI MODEL# 1P120199C (199,000 BTU)  
\* CONTRACTOR TO INSTALL ALL BOILERS WITH VIBRATION ISOLATORS.  
\* INSTALL SHEET METAL (ONE HR.) FIRE RATED CEILING OR EQUAL IN BOILER ROOM

(FU-1) 5 TON DIRECT VENT FURANCE WITH VIBRATION ISOLATORS FOR CELLAR & FIRST FLOOR (RHEEM) MODEL # R951V0705A21M4UCAP (70,000 BTU)



**1** CELLAR LEVEL MECHANICAL PLAN  
SCALE : 1/4"=1'-0"



**VENTILATION RISER DIAGRAM**  
N.T.S

Project:  
**NEW ONE FAMILY HOUSE**  
20931 BAYVIEW DR,  
GRANTSBURG, WI  
548408443

**LEGEND**

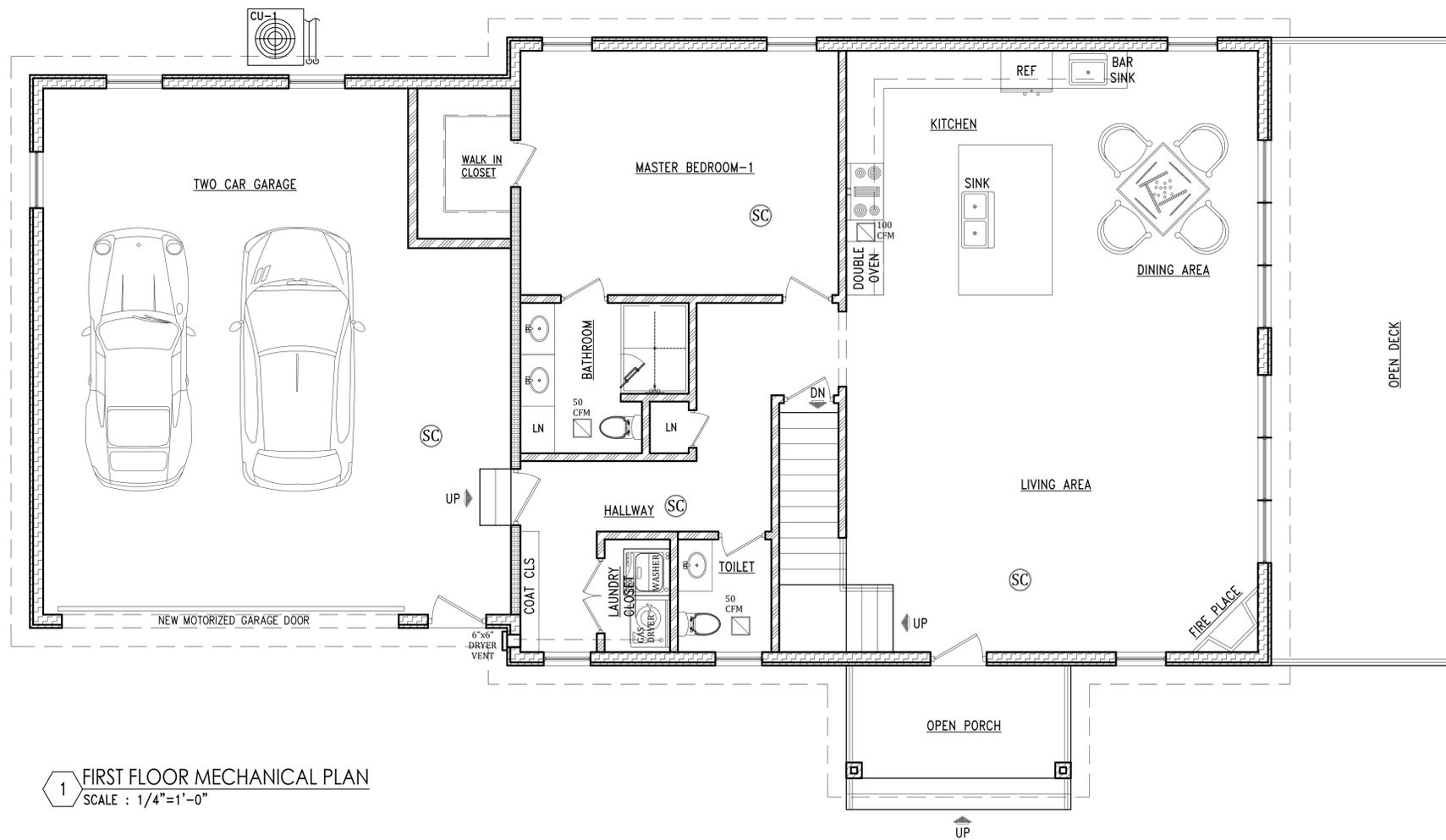
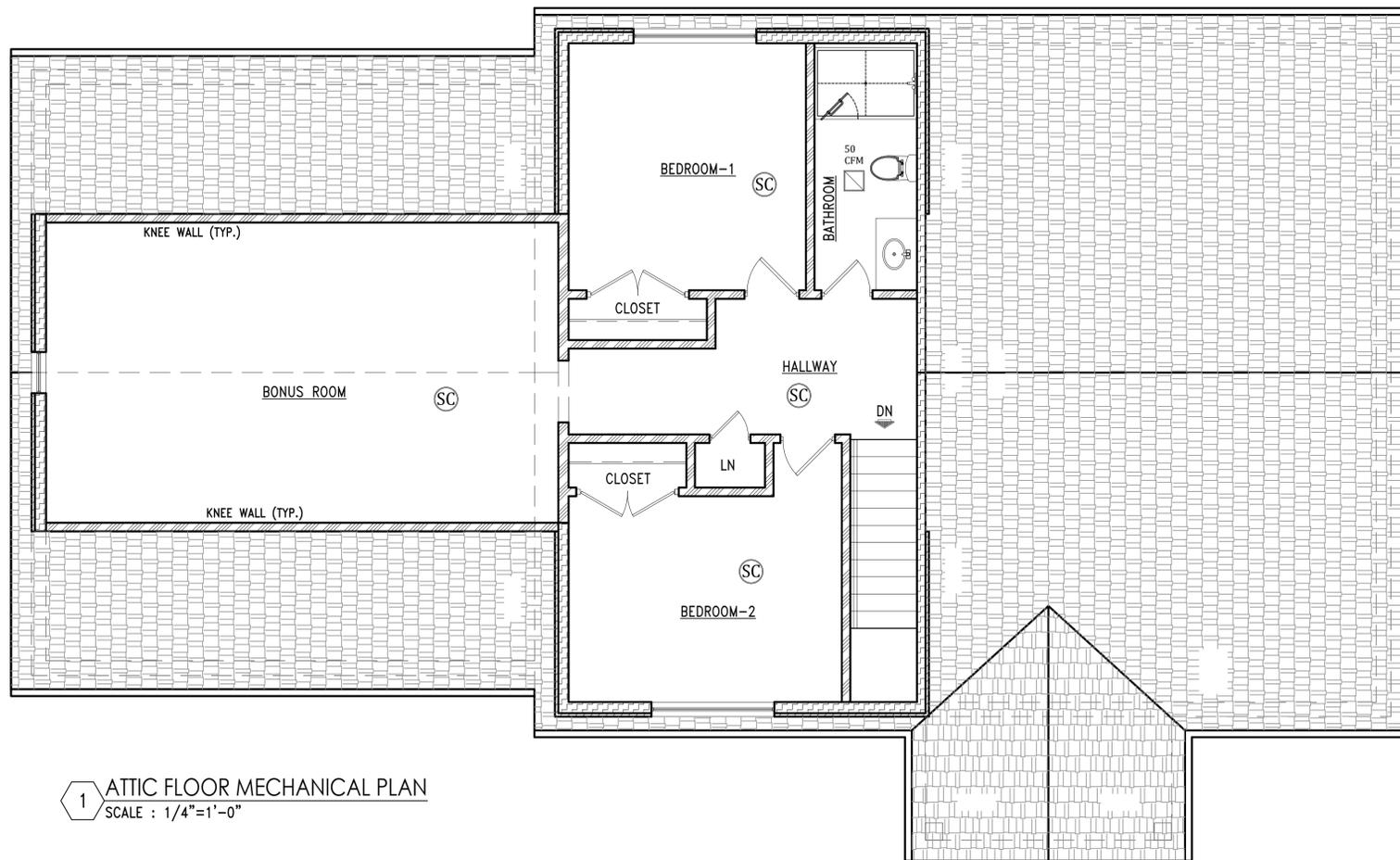
- NEW INTERIOR PARTITIONS
- NEW EXTERIOR WALL
- NEW CMU WALL
- CONCRETE WALL
- 2hr. FIRE RATED WALL
- 4" BRICK VENEER
- 2" VINYL SIDING
- EARTH
- GRAVEL
- HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
- HEAT DETECTOR W/BATTERY BACKUP (TYP.)
- SOLID STATE PROGRAMMABLE THERMOSTAT.
- SECTION DESIGNATION
- DRAWING NUMBER
- FLOOR DRAIN
- AREA DRAIN
- ELECTRIC METER
- PERMANENT CERTIFICATE
- DUAL POLE CIRCUIT BREAKER
- ENERGY RECOVERY VENTILATOR
- A/C DIFFUSER
- WINDOWS TYPE
- DOOR TYPE
- FOUNDATION SECTION

NO.	Date:	Remarks

**MECHANICAL FLOOR PLANS & NOTES**

Scale: 1/4"=1'-0"  
Drawn By: M.Adil  
Chk. By:  
Drawing No.  
**M-001.00**  
Date: 10-11-25 24 OF 29

Project # BUILDINGS DEPARTMENT APPLICATION #  
**26-10**



Project:  
**NEW ONE FAMILY HOUSE**  
 20931 BAYVIEW DR,  
 GRANTSBURG, WI  
 548408443

- LEGEND**
- NEW INTERIOR PARTITIONS
  - NEW EXTERIOR WALL
  - NEW CMU WALL
  - CONCRETE WALL
  - 2hr. FIRE RATED WALL
  - 4" BRICK VENEER
  - 2" VINYL SIDING
  - EARTH
  - GRAVEL
  - HARD WIRE SMOKE & CARBONMONO. DETECTOR W/BATTERY BACKUP (TYP.)
  - HEAT DETECTOR W/BATTERY BACKUP (TYP.)
  - SOLID STATE PROGRAMMABLE THERMOSTAT.
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  - ENERGY RECOVERY VENTILATOR
  - A/C DIFFUSER
  - WINDOWS TYPE
  - DOOR TYPE
  - FOUNDATION SECTION

NO.	Date:	Remarks

**MECHANICAL FLOOR PLANS & NOTES**

Scale: 1/4"=1'-0" Seal & signature

Drawn By: M.Adil

Chk. By:

Drawing No. **M-002.00**

Date: 10-11-25 25 OF 29

Project # BUILDINGS DEPARTMENT APPLICATION #

26-10 .

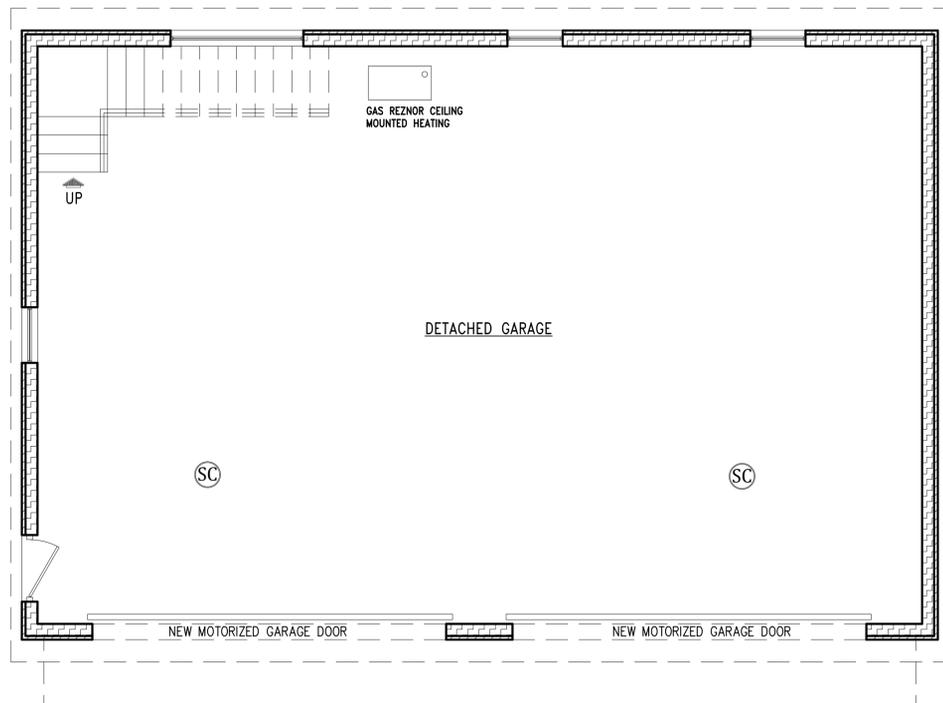
**Mechanical Schedule:**

"HW"  
ELECTRIC, HOT WATER HEATER WITH THRU-WALL EXHAUST AND AIR INTAKE KIT, (DIRECT VENT) PROMAX STANDARD MANUFACTURED BY RHEEM OR APPROVED EQUAL. STORAGE CAPACITY BY PLUMBER. (SEE SPEC ON M-003.0)

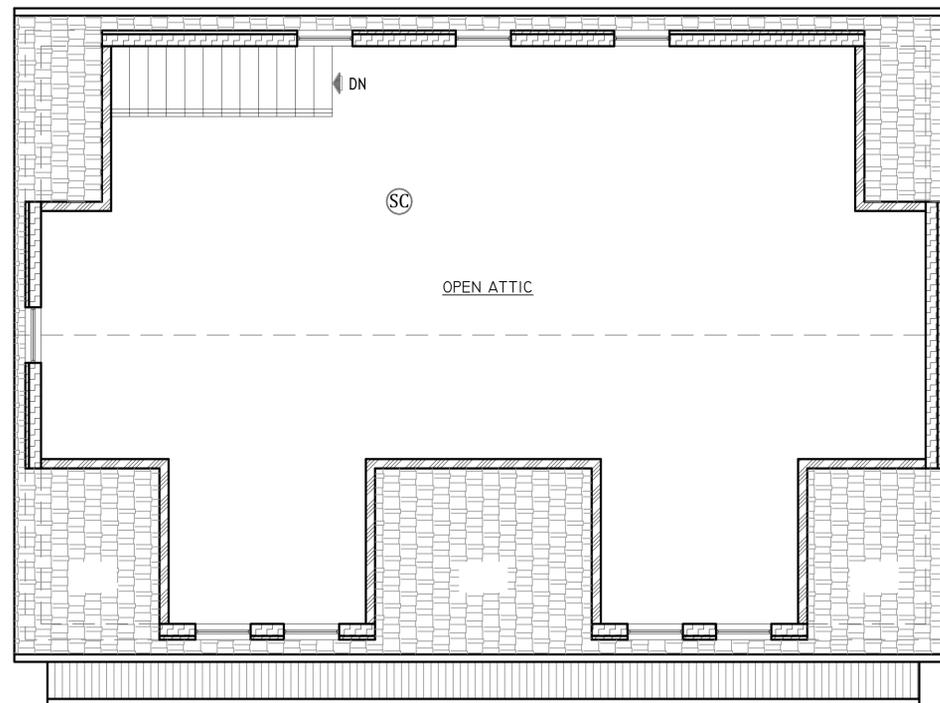
"EU"  
ELECTRIC, FURNACE WITH THRU-WALL EXHAUST AND AIR INTAKE KIT. (DIRECT VENT). MANUFACTURED BY GOODMAN OR APPROVED EQUAL. (SEE SPEC ON M-003.0)

E.C.C. R403.1 - CONTROLS  
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**GAS FIRED EQUIPMENTS**  
GAS REZNOR CEILING MOUNTED HEATING FOR DETACHED GARAGE BY 1HVAC (MODEL # UDXC-100) 105,000 BTU ,Energy Factor 83%



① FIRST FLOOR MECHANICAL PLAN  
SCALE : 1/4"=1'-0"



① FIRST FLOOR MECHANICAL PLAN  
SCALE : 1/4"=1'-0"

Project:  
**NEW ONE FAMILY HOUSE**  
20931 BAYVIEW DR,  
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548408443

**LEGEND**

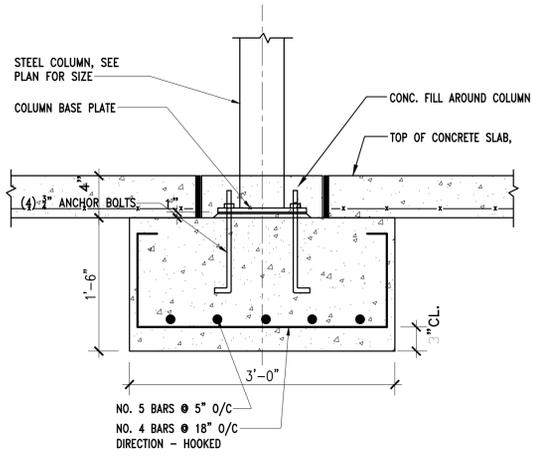
- NEW INTERIOR PARTITIONS
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- A/C DIFFUSER
- WINDOWS TYPE
- DOOR TYPE
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NO.	Date:	Remarks

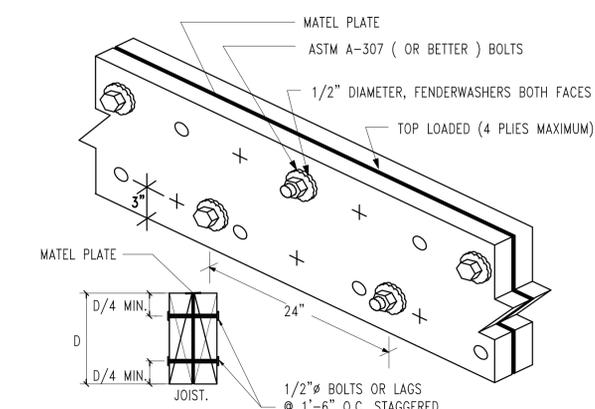
**GARAGE MECHANICAL PLANS & NOTES**

Scale: 1/4"=1'-0"	Seal & signature
Drawn By: M.Adil	
Chk. By:	
Drawing No. <b>GM-01.00</b>	
Date: 10-11-25 26 OF 29	

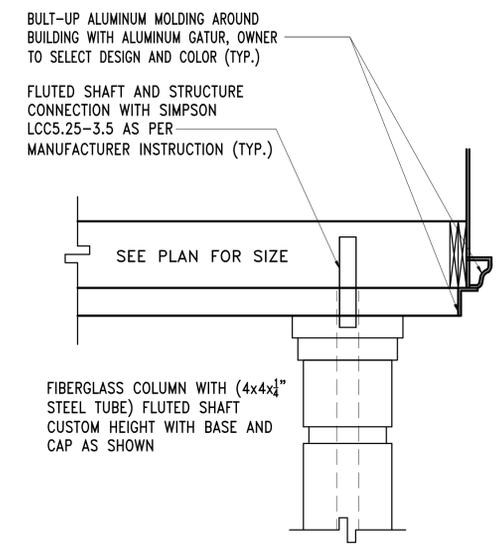
Project #	BUILDINGS DEPARTMENT APPLICATION #
26-10	



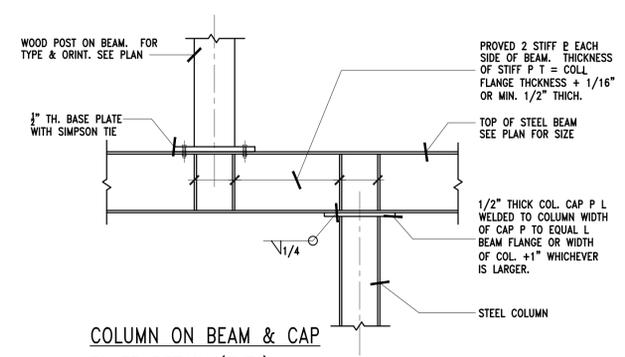
**COLUMN FOUNDATION SECTION**  
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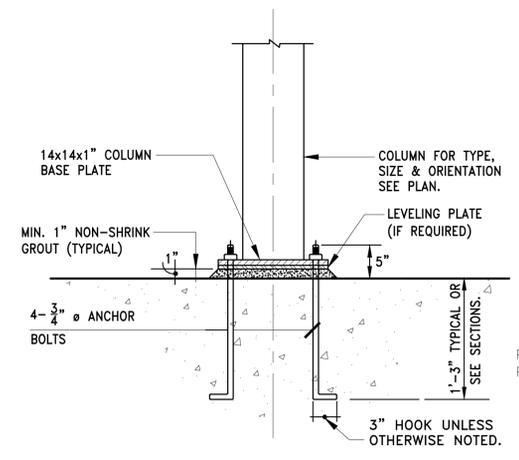
**STEEL PALATE BEAM CONNECTION DETAIL (TYP.)**  
N.T.S.



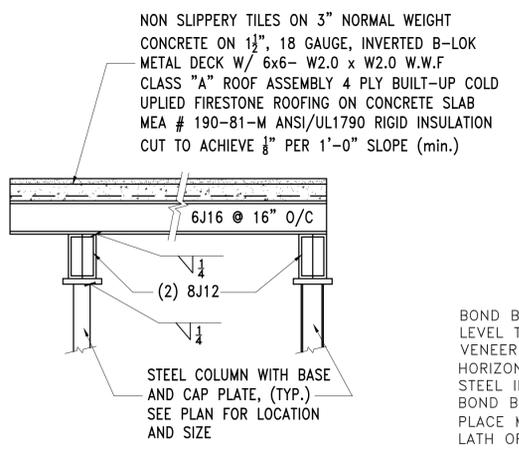
**COLUMN CONNECTION DETAIL**  
N.T.S.



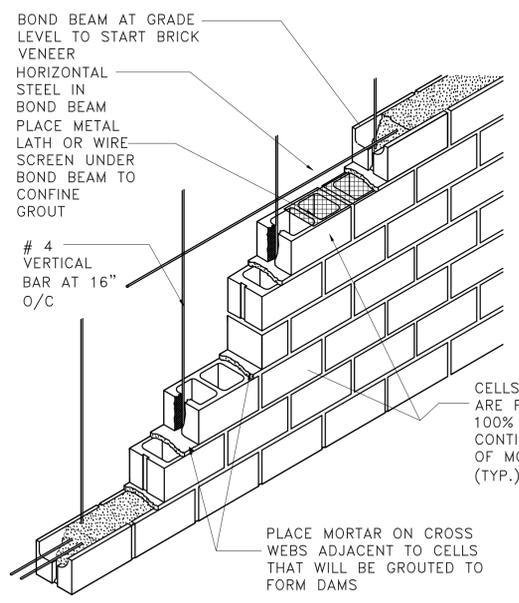
**COLUMN ON BEAM & CAP PLATE DETAIL (TYP.)**  
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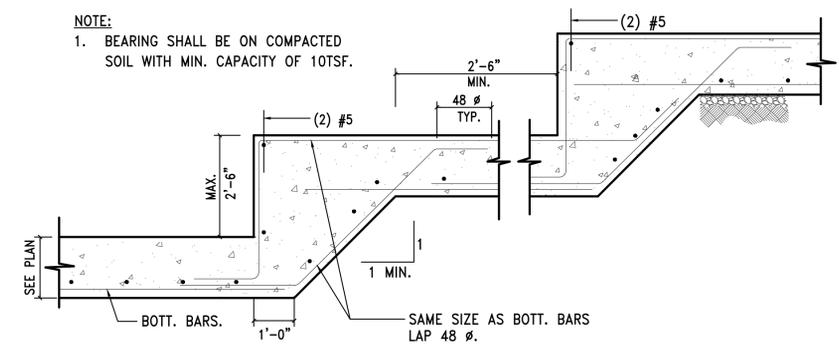
**TYPICAL COLUMN BASE DETAIL**  
N.T.S.



**FRONT TERRACE STRUCTURE DETAIL**  
N.T.S.

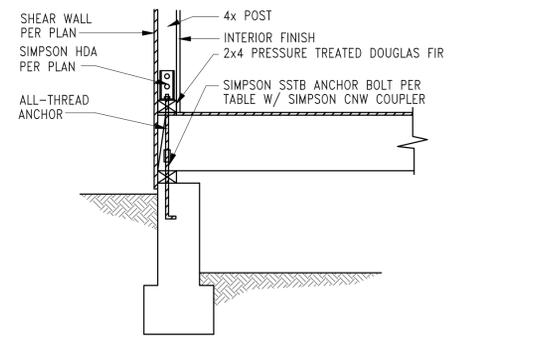


**C.M.U CONSTRUCTION DETAIL (TYP.)**  
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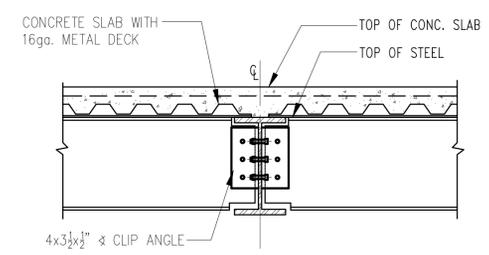


**TYPICAL STEP FOOTING DETAIL**  
N.T.S.

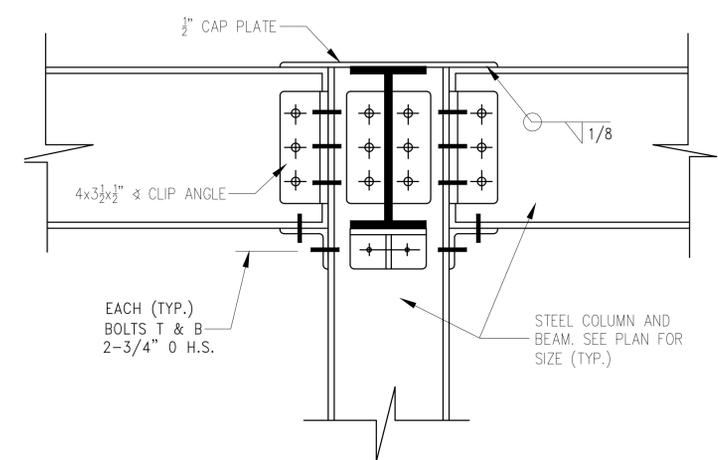
HOLD DOWN	ANCHOR DIA.	STUD BOLTS	EDGE DISTANCE (Ed)	EMBEDMENT
PHD2/HD2A	5/8"	2- 5/8"	1 3/4"	12"
PHD5/HD5A	5/8"	2- 3/4"	1 3/4"	16"
HD6A	7/8"	2- 7/8"	1 3/4"	24"
HD8A	7/8"	3- 7/8"	1 3/4"	24"
HTT16	5/8"	18-16d	1 3/4"	12"
HTT22	5/8"	32-16d	1 3/4"	24"



**EXTERIOR WALL CONSTRUCTION DETAIL**  
N.T.S.



**BEAM TO BEAM CONNECTION**  
N.T.S.



**TYPICAL BEAM TO COLUMN CONNECTION**  
N.T.S.

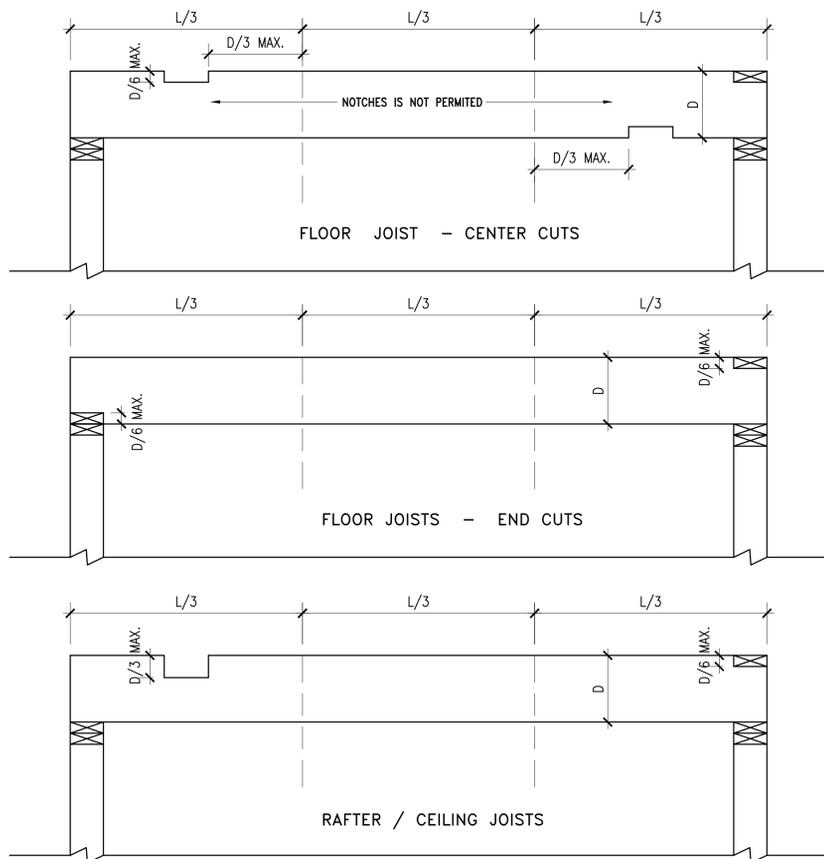
Project:  
**NEW ONE FAMILY HOUSE**  
20931 BAYVIEW DR,  
GRANTSBURG, WI  
548408443

NO.	Date:	Remarks
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**CONSTRUCTION DETAILS**

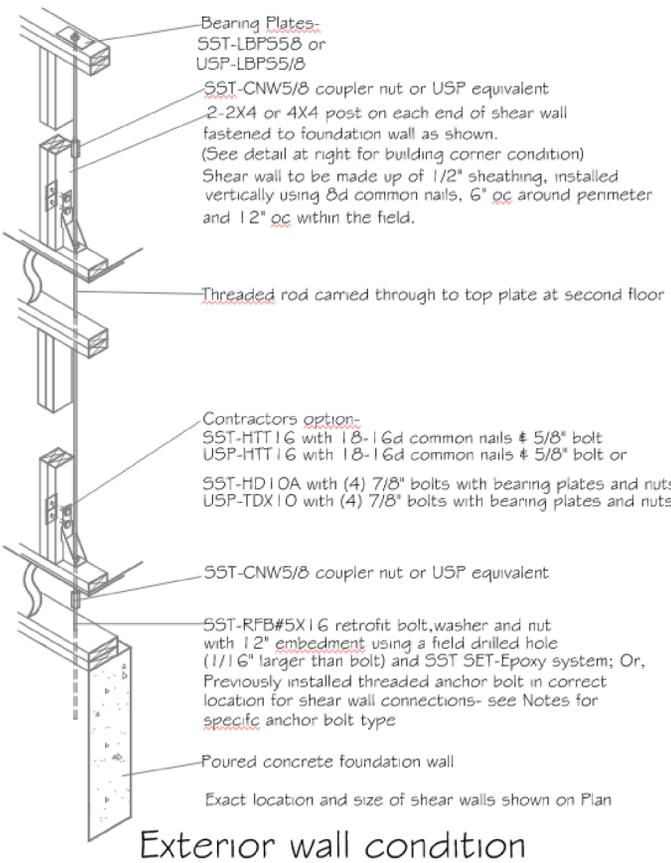
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Drawn By: M.Adil  
Chk. By:  
Drawing No.  
**D-001.00**  
Date: 10-11-25 27 OF 29

Project # BUILDINGS DEPARTMENT APPLICATION #  
26-10

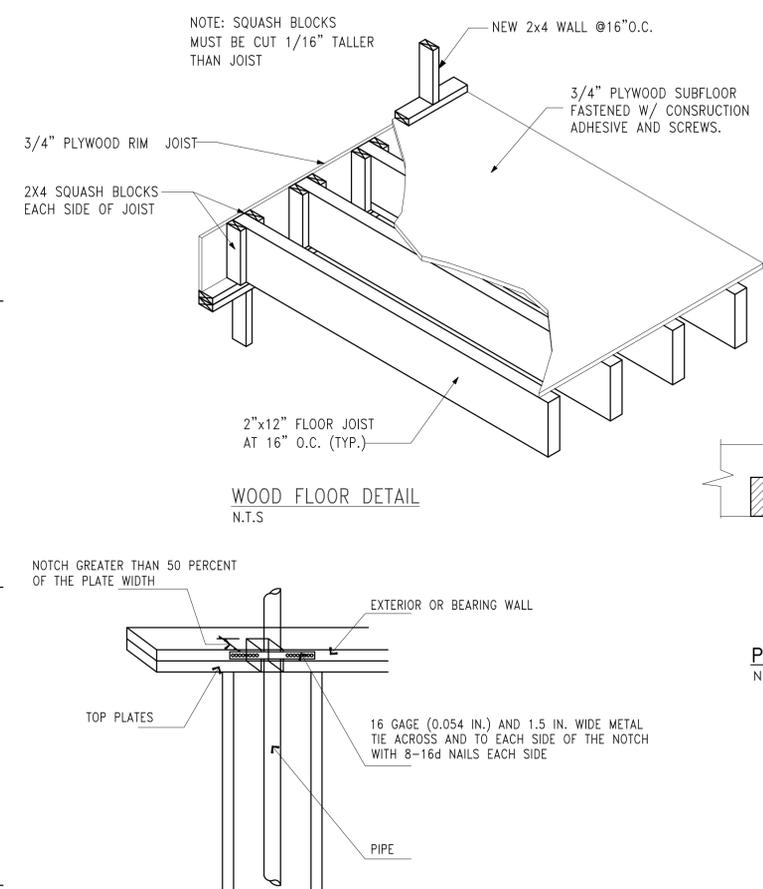


**CUTTING, DRILLING AND NOTCHING DETAIL AS PER R502.8**

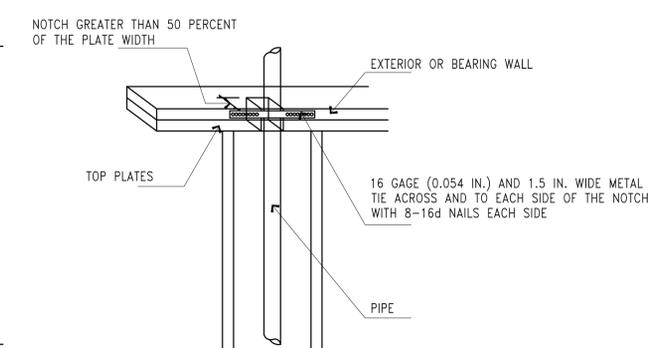
Scale: 3/4"=1'-0"



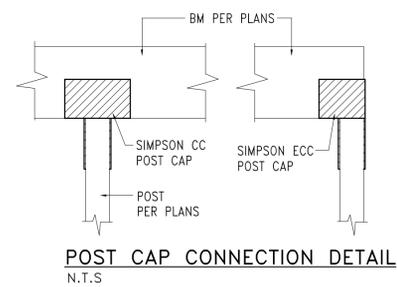
**Exterior wall condition**



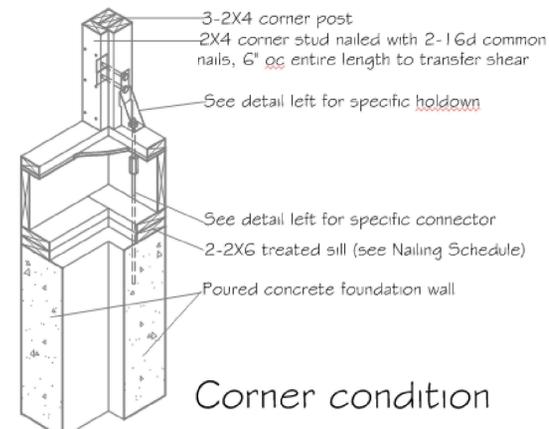
**WOOD FLOOR DETAIL**  
N.T.S.



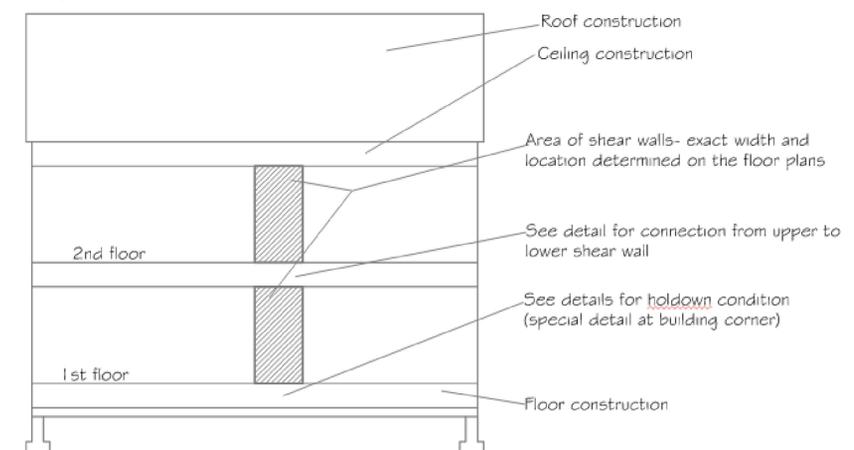
**TOP PLATE FRAMING TO ACCOMMODATE PIPING**



**POST CAP CONNECTION DETAIL**  
N.T.S.



**Corner condition**



**Shear Wall Holddown Detail (2 stories)-Detail occurs at each corner**

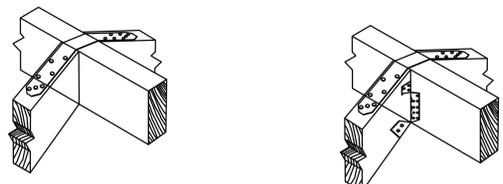
Project:  
**NEW ONE FAMILY HOUSE**  
 20931 BAYVIEW DR,  
 GRANTSBURG, WI  
 548408443

NO.	Date:	Remarks

**CONSTRUCTION DETAILS**

Scale: As shown  
 Drawn By: M.Adil  
 Chk. By:  
 Drawing No.  
**D-002.00**  
 Date: 10-11-25 28 OF 29

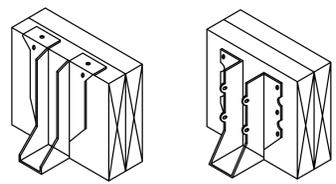
Project # BUILDINGS DEPARTMENT APPLICATION #  
 26-10 .



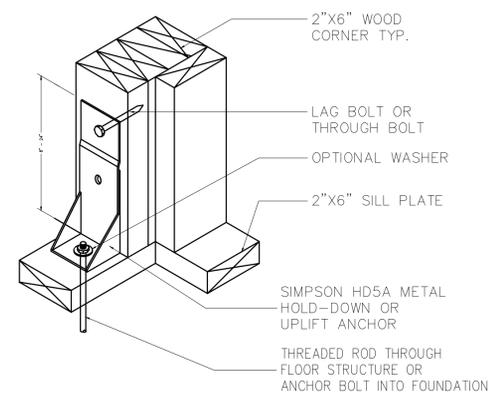
SIMPSON STRONG TIE WITH CEILING COLLAR TIES @ 16" O.C. CS-20x18" MIN. WITH (7) 10D COMMON NAILS PER RAFTER INSTALLED OVER PLYWOOD

CATHEDRAL CEILINGS LSU26- 2x6 LSU28 - 2x8, 2x10, OR 2x12 CS-20x18" MIN. W/ (7) 10D COMMON NAILS PER RAFTER INSTALLED OVER PLYWOOD

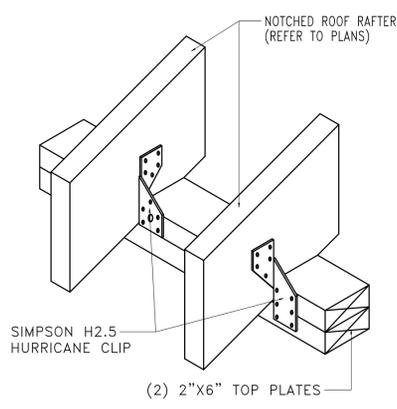
**STRUCTURAL RIDGE**



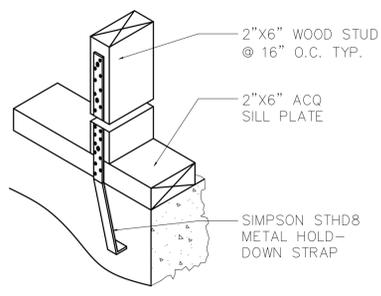
TOP FLANGE  
FACE-MOUNT  
**JOIST HANGERS**  
JOIST CONNECTORS (IN WIDE VARIETY OF SIZES)



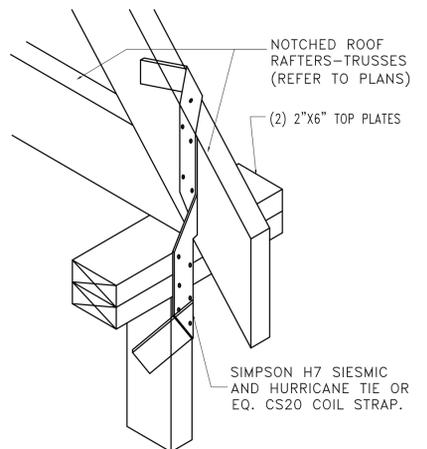
**METAL HOLD-DOWN/  
UPLIFT ANCHOR**  
TRANSFERS TENSION LOAD BETWEEN FLOORS:  
TIES STUDS/ POSTS TO FOUNDATION



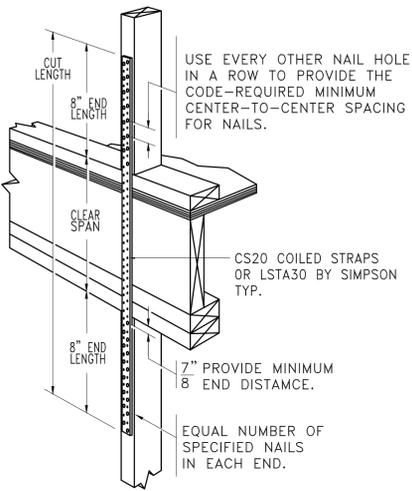
**HURRICANE CLIPS**  
FOR RAFTER SPANS UNDER 24'-0" -TIES TOP PLATES TO ROOF RAFTERS FOR TENSION CORD CONNECTION.



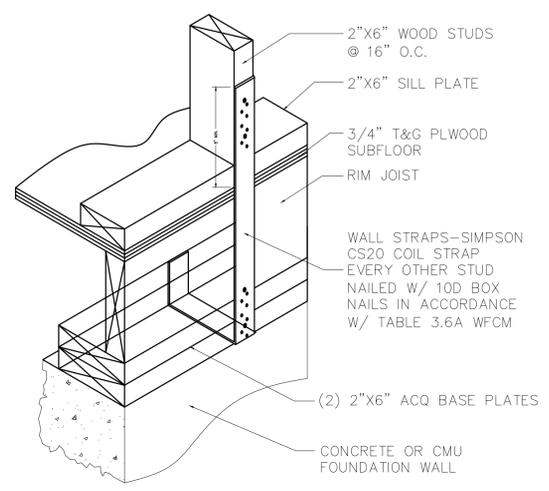
**SILL PLATE ANCHORS/  
SLAB ON GRADE**  
ANCHORS SILL PLATE AND STUD TO CONCRETE SLAB



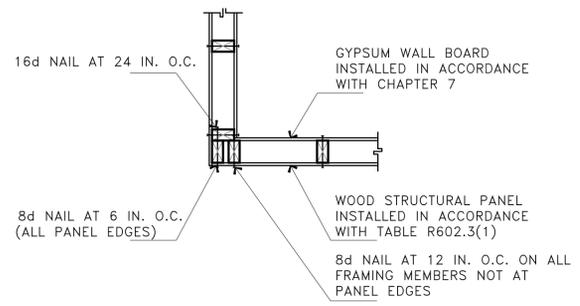
**SEISMIC / HURRICANE TIE**  
FOR ROOF RAFTER OVER 24'-0" -PROVIDES TENSION FOR WOOD-TO-WOOD CONNECTIONS FOR WOOD TRUSSES AND JOISTS



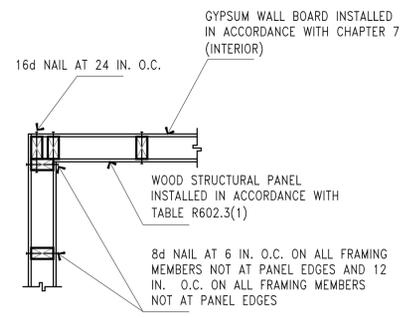
**STRUCTURE STRAPPING**  
PROVIDES FLOOR-TO-FLOOR TENSION CONNECTION: REFER TO SIMPSON FOR NAILING REQUIREMENTS



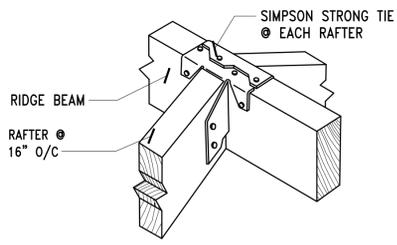
**SILL PLATE ANCHORS**  
ANCHORS SILL PLATE AND STUD TO CONCRETE OR CMU FOUNDATION WALL.



**EXTERIOR OUTSIDE  
CORNER FRAMING**



**EXTERIOR INSIDE  
CORNER FRAMING**  
N.T.S



**RAFTER AND RIDGE BEAM  
CONNECTION DETAIL (TYP.)**  
N.T.S

Project:  
**NEW ONE FAMILY HOUSE**  
20931 BAYVIEW DR,  
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548408443

NO.	Date:	Remarks

**CONSTRUCTION DETAILS**

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Drawn By: M.Adil  
Chk. By:  
Drawing No.  
**D-003.00**  
Date: 10-11-25 29 OF 29

Project # BUILDINGS DEPARTMENT APPLICATION #  
26-10 .