

MPONENTS:	RSI	R VALUE
М	0.03	0.17
	0.11	0.62
	0.00	0.00
EATHING	0.093	0.55
ED WITH R24 BATT	2.84	16.18
ENE	0.00	0.00
SUM BOARD	0.08	0.45
1	0.12	0.68
LUE OF ASSEMBLY	3.273	18. 65
IENT WITH HRY	2.97	16.86

BELOW ATTIC)	RSI	R VALUE
	0.00	0.00
ACE	0.03	0.17
68MM @0.025 RSI/MM	6.70	38.06
24"O.C C/W R12 CAVITY FILL	1.96	10.00
	0.00	0.00
1 BOARD	0.08	0.45
PRIMER 2 COATS PAINT	0.00	0.00
	0.11	0.62
E	8.68	49.31
TS	8.67	49.2



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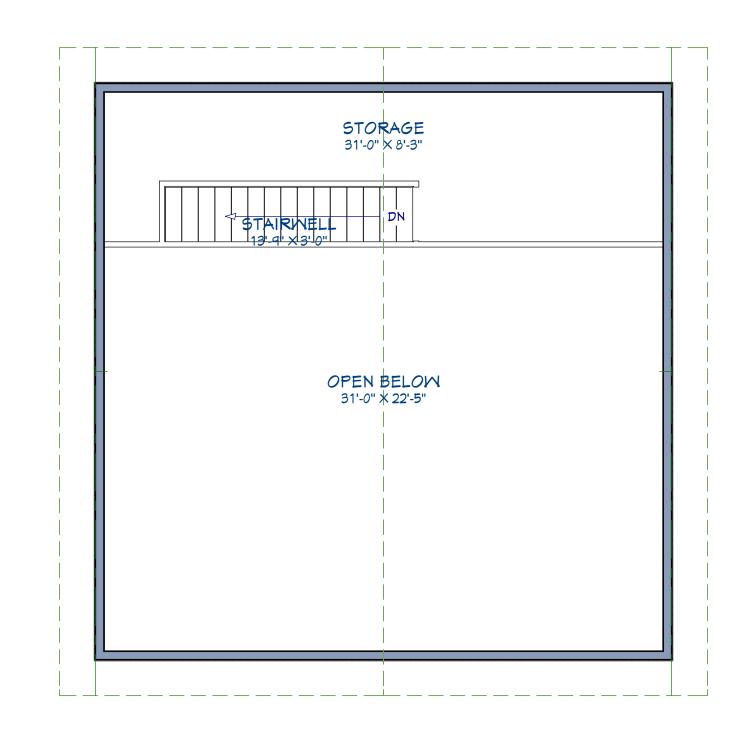
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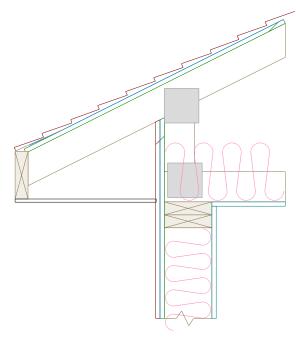
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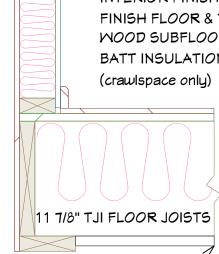
MATERIALS, PRODUCTS AND ASSEMBLIES TO BE INSTALLED TO COMPLY WITH MANUFACTURERS INSTRUCTIONS.

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WEARING SURFACES: Above Grade = Finish Siding Below Grade = Moisture Sealant 1"×11 7/8" RIM JOIST



5/8" FIRE GUARD GYPSUM Upper Floor Wall Detail

SCALE 3/16"=1'

2nd Floor

LIVING AREA

245 SQ FT

Energy Heel Truss

INTERIOR FINISH FINISH FLOOR & TRIM WOOD SUBFLOOR BATT INSULATION



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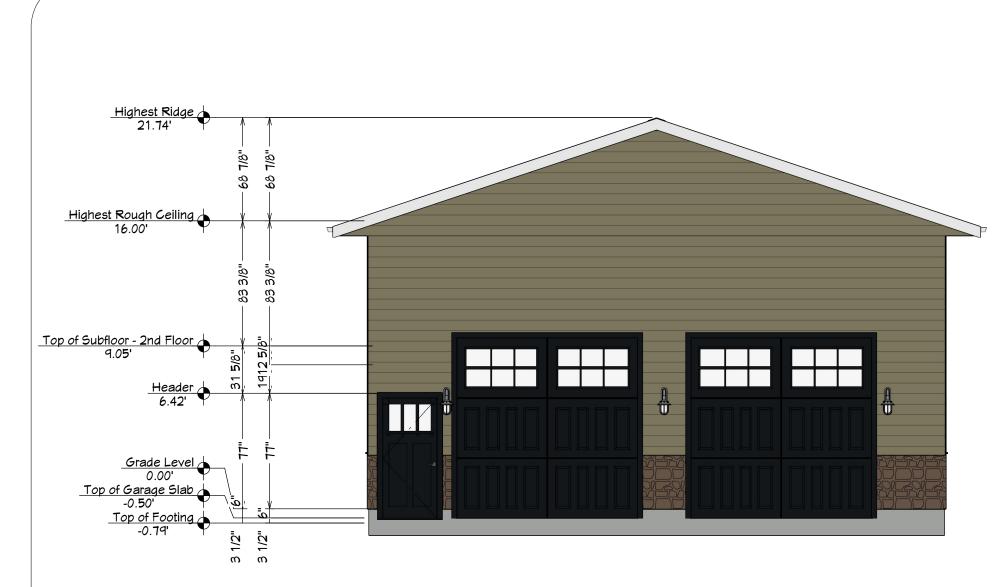
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DOOR AND WINDOW NOTES:

EVERY BEDROOM SHALL BE PROVIDED WITH AN EGRESS WINDOW WITH FINISH SILL HEIGHT NOT GREATER THAN 44" ABOVE THE FINISH FLOOR HEIGHT AND SHALL HAVE A MINIMUM OPENABLE AREA OF 5.7 SQ. FT. EGRESS WINDOWS SHALL NOT HAVE AN OPENABLE AREA LESS THAN 20" WIDE OR 24" HIGH.

ALL WALK-THRU DOORS SHALL BE SOLID CORE

INTERIOR DOORS SHALL BE PAINTED. ENTRY DOOR TO BE DEFINED BY HOME OWNER PRIOR ORDERING

DOORS BETWEEN GARAGE AND LIVING AREA SHALL BE 1-3/4" TIGHT FITTING SOLID CORE DOORS WITH A RATING OF 60 MINUTES. DOOR SHALL BE SELF CLOSING

EXTERIOR EXIT DOORS WILL BE 36" MIN. NET CLEAR DOORWAY SHALL BE 32" MIN. DOOR SHALL BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. GLAZING IN DOORS SHALL BE DUAL PANE SAFETY GLASS WITH MIN, U-VALUE OF 0.60

GARAGE DOORS TO BE SECTIONAL, OVERHEAD DOORS

GARAGE CONDITIONED SPACE NOTES:

GARAGE WALLS THAT MEET CONDITIONED LIVING SPACE SHALL BE INSULATED AND VAPOUR BARRIER WITH 6 MIL COSB POLY. 5/8" FIRE GUARD DRYWALL TAPED AND MUDDED. PRIMER AND PAINT SHALL BE DETERMINED BY HOMEOWNER.

TYPICAL INTERIOR WALL:

FINISH AS PER OWNER / BUILDER SPEC. 1/2" GYPSUM BOARD TAPED & FINISHED, FASTEN TO 2X SPF FRAMING USING 1 1/4" COARSE THREAD DRYWALL SCREW & APPROVED ADHESIVE. 2X SPF WOOD FRAMING WITH DOUBLE TOP PLATE AND SINGLE BOTTOM PLATE. 2X SPF WOOD @ 16" O.C INSTALL 6 MIL CGSB PLATE POLY BETWEEN TOP PLATES FOR CONTINUOUS VAPOR BARRIER SEAL ALL PENETRATIONS.

SCALE 1/8"=1"



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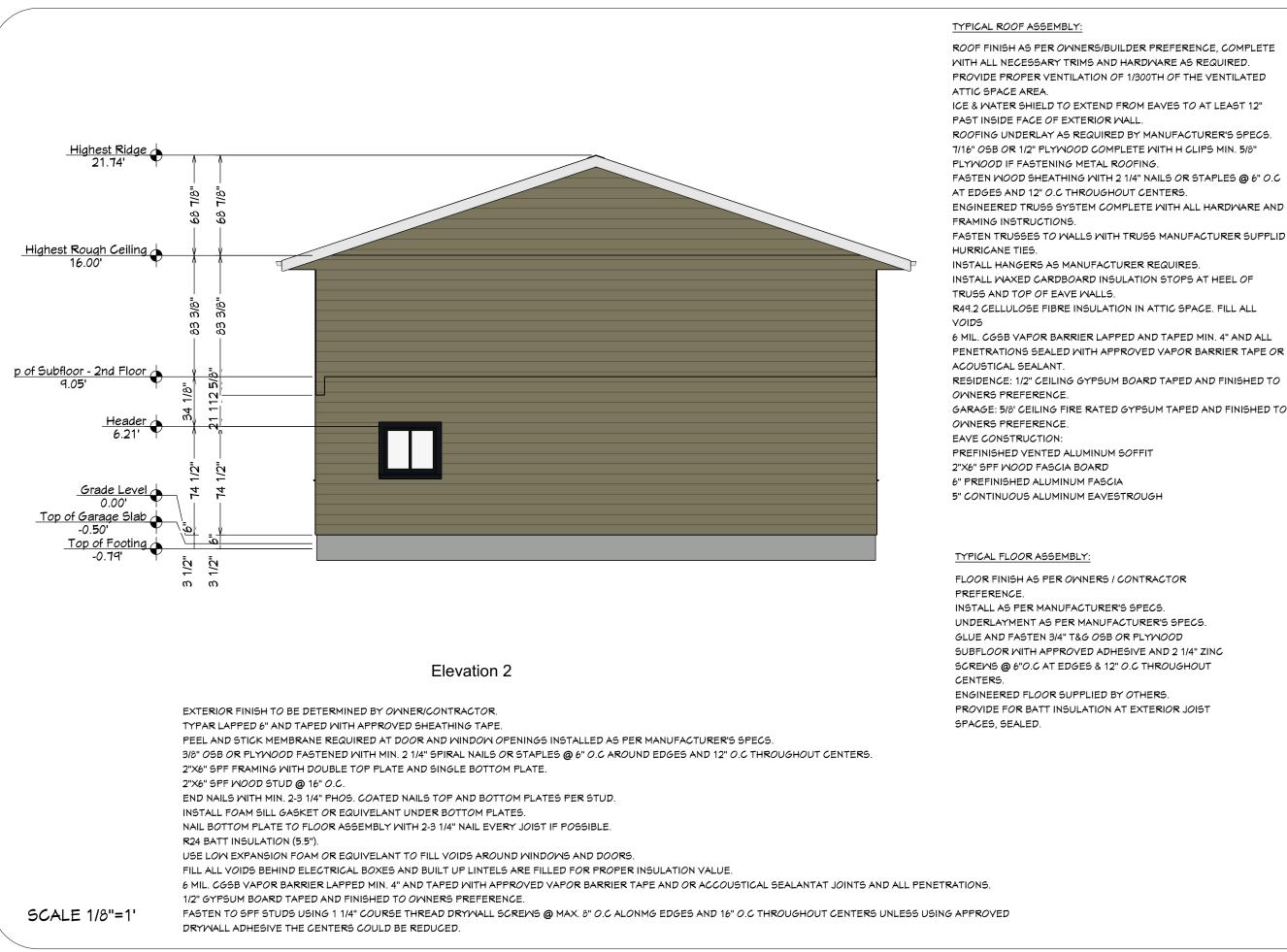
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ROOF FINISH AS PER OWNERS/BUILDER PREFERENCE, COMPLETE

FASTEN TRUSSES TO WALLS WITH TRUSS MANUFACTURER SUPPLID

PENETRATIONS SEALED WITH APPROVED VAPOR BARRIER TAPE OR

GARAGE: 5/8' CEILING FIRE RATED GYPSUM TAPED AND FINISHED TO



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EXTERIOR FINISH TO BE DETERMINED BY OWNER/CONTRACTOR. TYPAR LAPPED 6" AND TAPED WITH APPROVED SHEATHING TAPE. PEEL AND STICK MEMBRANE REQUIRED AT DOOR AND WINDOW OPENINGS INSTALLED AS PER MANUFACTURER'S SPECS. 3/8" OSB OR PLYWOOD FASTENED WITH MIN. 2 1/4" SPIRAL NAILS OR STAPLES @ 6" O.C AROUND EDGES AND 12" O.C THROUGHOUT CENTERS.

2"X6" SPF FRAMING WITH DOUBLE TOP PLATE. 2"X6" PRESSURE TREATED BOTTOM PLATE. 2"X6" SPF WOOD STUD @ 16" O.C. 2"X6" WOOD BLOCKING @ 48" O.C END NAILS WITH MIN. 2-3 1/4" PHOS. COATED NAILS TOP PLATES PER STUD.

END NAILS WITH MIN. 2-3 1/4" GALVANIZED COATED NAILS BOTTOM PLATE PER STUD INSTALL FOAM SILL GASKET OR EQUIVELANT UNDER BOTTOM PLATES

WITHIN 12" FROM CORNERS. NAIL BOTTOM PLATE TO FLOOR ASSEMBLY WITH 2-3 1/4" NAIL EVERY JOIST IF POSSIBLE. R24 BATT INSULATION (5.5"). USE LOW EXPANSION FOAM OR EQUIVELANT TO FILL VOIDS AROUND WINDOWS AND DOORS. FILL ALL VOIDS BEHIND ELECTRICAL BOXES AND BUILT UP LINTELS ARE FILLED FOR PROPER INSULATION VALUE. 6 MIL. CGSB VAPOR BARRIER LAPPED MIN. 4" AND TAPED WITH APPROVED VAPOR BARRIER TAPE AND OR ACCOUSTICAL SEALANTAT JOINTS AND ALL PENETRATIONS. 1/2" GYPSUM BOARD TAPED AND FINISHED TO OWNERS PREFERENCE.

FASTEN TO SPF STUDS USING 1 1/4" COURSE THREAD DRYWALL SCREWS @ MAX. 8" O.C ALONMG EDGES AND 16" O.C THROUGHOUT CENTERS UNLESS USING APPROVED DRYWALL ADHESIVE THE CENTERS COULD BE REDUCED. OVERHEAD DOORS REQUIRE A 2"X6" SPF TRIM TO SUPPORT DOORS AS PER MANUFACTURER'S SPECS. RECOMMEND CLADDING ON THESE.

TYPICAL BATHROOM WALL:

FINISH AS PER BUILDER / OWNER SPECS. 1/2" AQUA/MOISTURE / MOLD RESISTANT GYPSUM BOARD TO BATHROOM SIDE, TAPED AND FINISHED. FASTEN TO 2X FRAMING WITH 1 1/4" COARSE THREAD DRYWALL SCREW & APPROVED ADHESIVE. 2X SPF WOOD FRAMING WITH DOUBLE TOP PLATE AND SINGLE SPF WOOD BOTTOM PLATE. 2X SPF WOOD @ 16" O.C INSTALL 6 MIL CGSB PLATE POLY BETWEEN TOP PLATES FOR CONTINUOUS VAPOR BARRIER. SEAL ALL PENETRATIONS AT VAPOR BARRIER & TOP PLATES



Elevation 3

SCALE 1/8"=1'

FASTEN WALL TO FOUNDATION USING 8" J BOLTS @ 36" O.C AND



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GENERAL NOTES AND SPECIFICATIONS

REQUIREMENTS. 2019 NBC ALBERTA SHALL BE USED.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE GENERAL CONTRACTOR SHALL VERIFY AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS) AND CONDITIONS ON THE JOB AND MUST NOTIFY THIS OFFICE OF ANY VARIATIONS FROM THESE DRAWINGS.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND PROPER FUNCTION OF PLUMBING, HVAC AND ELECTRICAL SYSTEMS. THE GENERAL CONTRACTOR SHALL NOTIFY THIS OFFICE WITH ANY PLAN CHANGES REQUIRED FOR DESIGN AND FUNCTION OF PLUMBING, HVAC AND ELECTRICAL SYSTEMS.

THIS OFFICE SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, ACTS OR OMISSIONS OF THE CONTRACTOR OR SUBCONTRACTOR, OR FAILURE OF ANY OF THEM TO CARRY OUT WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. AND DEFECT DISCOVERED IN THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THIS OFFICE BY WRITTEN NOTICE BEFORE PROCEEDING WITH WORK. REASONABLE TIME NOT ALLOWED THIS OFFICE TO CORRECT THE DEFECT SHALL PLACE THE BURDEN OF COST AND LIABILITY FROM SUCH DEFECT UPON THE CONTRACTOR.

DESIGN CRITERIA: TRUSSES TO MEET LOCAL SNOW LOAD REQUIREMENTS AND BE ENGINEERED. FOUNDATION; SEE ATTACHED DOCUMENTS.

THIS STRUCTURE SHALL BE ADEQUATELY BRACED FOR WIND LOADS UNTIL THE ROOF, FLOOR AND WALLS HAVE BEEN PERMANENTLY FRAMED TOGETHER AND SHEATHED.

INSTALL POLYISOCYANURATE FOAM TYPE INSULATION AT FLOOR AND PLATE LINES, OPENINGS IN PLATES, CORNER STUD CAVITIES AND AROUND DOOR AND WINDOW ROUGH OPENING CAVITIES.

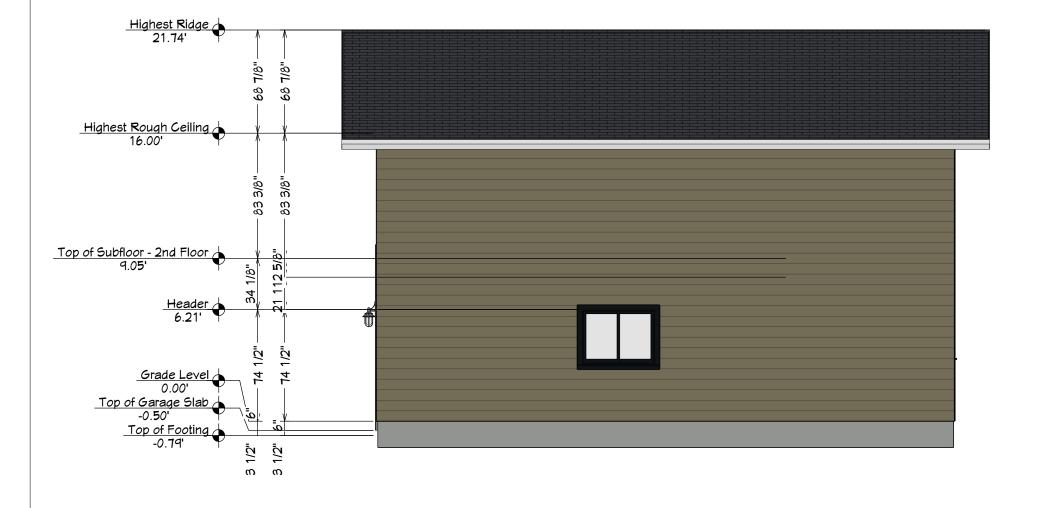
TO MINIMUM 70" ABOVE SHOWER DRAINS.

INSULATE WASTE LINES FOR SOUND CONTROL.

EXHAUST ALL VENTS AND FANS DIRECTLY TO OUTSIDE VIA METAL DUCTS, PROVIDE 90 CFM (MIN) FANS TO PROVIDE 5 AIR CHANGES PER HOUR IN BATHS CONTAINING TUB AND / OR SHOWER AND IN LAUNDRY ROOMS.

ALL RECESSED LIGHTS IN INSULATED CEILINGS TO HAVE THE I.C. LABEL.

PROVIDE SOLID BLOCKING UNDER ALL BEARING WALLS PERPENDICULAR TO JOISTS AND OTHER BEARING POINTS NOT OTHERWISE PROVIDED WITH SUPPORT



Elevation 4

THE GENERAL CONTRACTOR SHALL FULLY COMPLY WITH THE 2019 NBC ALBERTA EDITION AND ALL ADDITIONAL PROVINCIAL AND LOCAL CODE

THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY WORK KNOWINGLY PERFORMED CONTRARY TO SUCH LAWS, ORDINANCES, OR REGULATIONS. THE CONTRACTOR SHALL ALSO PERFORM COORDINATION WITH ALL UTILITIES AND PROVINCIAL SERVICE AUTHORITIES.

INSTALL WATERPROOF GYPSUM BOARD AT ALL WATER SPLASH AREAS



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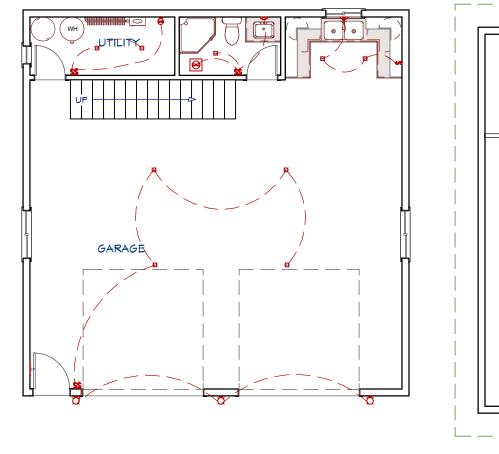
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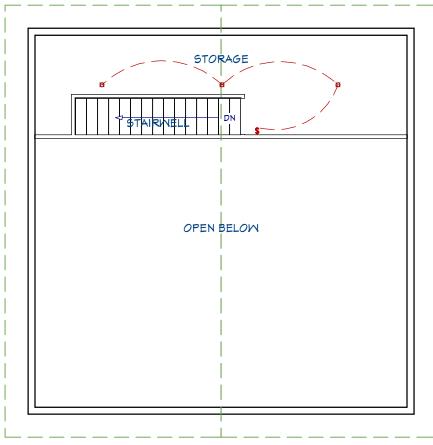
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1st Floor



2nd Floor

AUDIO. ETC. ELECTRICAL NOTES:

REQUIREMENTS

2. PROVIDE ONE SMOKE DETECTOR IN EACH ROOM AND ONE IN EACH CORRIDOR ACCESSING BEDROOMS. CONNECT SMOKE DETECTORS TO HOUSE POWER AND INTER-CONNECT SMOKE DETECTORS SO THAT, WHEN ANY ONE IS TRIPPED, THEY ALL WILL SOUND. PROVIDE BATTERY BACKUP FOR ALL UNITS. 3. CIRCUITS SHALL BE VERIFIED WITH HOME OWNER

OWNER;

DATA / CABLE:

FLOOR

2. THE FURNACE AND WATER HEATER ON FLOOR 1 SHALL SERVE FLOORS 1 & 2.

3. METALLIC GAS PIPE, WATER PIPE, AND FOUNDATION REINFORCING BARS SHALL BE BONDED TO THE ELECTRICAL SERVICE GROUND.

4. DRYER, WATER HEATER, KITCHEN AND BATHROOM VENTING SHALL EXHAUST TO THE OUTSIDE OF THE BUILDING AND BE EQUIPPED WITH A BACK DRAFT DAMPER.

5. ALL GAS LINES SHALL BE SIZED FOR APPLIANCE LOAD. "BLACK" PIPE SHALL BE USED INSIDE THE BUILDING, "GREEN" PIPE WHERE UNDERGROUND OR EXPOSED TO WEATHER. ALL JOINTS SHALL BE TAPED WHERE BURIED OR EXPOSED TO WEATHER. 6. TUBS/SHOWERS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING TYPE. THE WATER TEMPERATURE SHALL BE AT A MAXIMUM OF

120*F

7. EACH HOSE BIBB SHALL BE EQUIPPED WITH A BACK FLOW PREVENTION DEVICE

8. HEAT DUCTING SHALL BE SECURED, SEALED AND INSULATED AS APPROPRIATE.

9. INSTALL WATERPROOF GYPSUM BOARD AT ALL WATER SPLASH AREAS TO MINIMUM 70" ABOVE SHOWER DRAINS.

10. INSULATE WASTE LINES FOR SOUND CONTROL. 11. HYDRONIC HEATING TO BE INSTALLED IN SLAB AND UNDER SECOND FLOOR.

12. HRV UNIT TO PROVIDE MECHANICAL AIR EXCHANGE.

13. GARAGE SUMP PIT TO BE PIPED TO A SUMP PUMP OUT SYSTEM.

SCALE 1/8"=1"

ELECTRICAL, DATA, & AUDIO NOTES:

HOME OWNER SHALL DO A WALK-THRU WITH RELEVANT INSTALLERS TO VERIFY THE EXACT LOCATION FOR OUTLETS, LIGHTS, SWITCHES, CABLE, DATA, PHONE,

1. ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS AND GARAGES SHALL BE A.F.C.I/G.F.I. ORG.F.I.C. PER NATIONAL ELECTRICAL CODE

PRIOR TO WIRE INSTALLATION.

4. FINAL SWITCHES FOR TIMERS AND DIMMERS SHALL BE VERIFIED WITH HOME OWNER.

5. FIXTURES TO BE SELECTED BY HOME OWNER.

1. LOCATE SPEAKERS AND AUDIO CONTROLS AS INDICATED IN THE PLAN: RUN CIRCUIT OF SPEAKER WIRING TO AUDIO HOME PANEL SPECIFIED BY FLOOR; 2. AUDIO SPEAKERS TO BE APPROVED BY HOME

3. LOCATE JACKS AS INDICATED IN THE PLAN; INSTALL DATA / CABLE PANEL SIMILAR TO "ON Q". SYSTEM TO BE APPROVED BY HOME OWNER

LOCATE SECURITY PANELS AS INDICATED IN THE PLAN; SYSTEM TO BE APPROVED BY HOME OWNER.

GENERAL PLUMBING & HVAC NOTES: 1. HVAC SHALL HAVE TWO ZONES, ONE FOR EACH



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