Required Inspection Checklist

IMPORTANT NOTICE: Make sure that all the insulation, lumber size, windows, etc. (including brand names and specifications) are **EXACTLY AS SPECIFIED** in your approved Energy Report Analysis or it could be very costly to fix or adjust. **NOTE**: All approved plans, including the MecCheck/ResCheck/energy analysis, engineering calculations, plot plan, building plans, specifications, engineer stamped truss sheets, etc. are required to be on site for all inspections.

- ☐ **TEMPORARY POWER**: Pedestal must be in place with grounding equipment installed and visible. All receptacles must be GFCI protected. The neutral bus must be bonded to the grounding system.
- ☐ **FOOTING/SPOT FOOTINGS/SETBACK/ELECTRICAL UNDER GROUND**: Formed-with steel hung in place, on natural ground, without fill material, without ice or standing water, with property lines clearly identified.
- ☐ **FOUNDATION/PIER/COLUMN/ELECTRICAL UFER GROUND**: Formed-with steel tied in place-including all concrete-to-structure straps required by the plans. (It should be noted that straps that have to span a floor joist system are required to be longer than those that don't).
- ☐ **UNDER SLAB PLUMBING:** All piping must be exposed and supported (full length). This inspection requires a 10' head of water or an air pressure test.
- ☐ **UNDER SLAB HEATING**: Any under slab heat duct material shall be listed for the specific way it is being used or installed as per the International Residential Code or the International Mechanical Code. All material must be left fully exposed until after the inspection. Hydronic systems must be tied in place and left fully exposed until after the inspection. Hydronic systems must be tied in place and left fully exposed until after the inspection.
- ☐ **UNDER SLAB ELECTRICAL**: Any electrical systems that are to be covered by concrete must be left totally exposed and inspected before covering. This includes ground wiring going to ground rods.
- ☐ **SUSPENDED CONCRETE SLAB**: all suspended concrete slabs require inspection with all steel and shoring properly spaced and secured in place as per approved engineering.
- ☐ **ANY OTHER STUCTURAL CONCRETE**: All structural concrete must be inspected with all steel and forms in place.
- ☐ **ALL RETAINING WALLS: NOTE**: **ALL** retaining walls that are over four (4') feet high are required to be **ENGINEERED** and the design must be submitted to the Building Department office, and approved prior to any construction!! (**THIS INCLUDES ALL "ROCK" RETAINMENT OVER 4' HIGH.)** Concrete retaining walls must be inspected with all steel and forms in place. **ROCK RETAINING WALLS MUST BE INSPECTED "DURING CONSTRUCTION" BY THE DESIGN ENGINEER AND APPROVED BY THE DESIGN ENGINEER AT COMPLETION.** A copy of the engineers report showing approval must be received by our office within two (2) working days of completion of the retaining wall.
- ☐ **LOG AND BEAM GRADING**: Note: This includes ALL "structural" rough cut lumber. This inspection is done for all logs, rough cut beams and lumber when they are delivered to the site and before they are installed. Note that each piece of lumber must have a visible ink stamp from a 'nationally recognized lumber grading organization.'

- ☐ **EXTERIOR SHEATHING AND WINDOW FLASHING**: this inspection is required to be done prior to any material being installed over the structural sheathing of the structure. This inspection requires the proper size, type, and spacing of fasteners. It also requires any concrete-to-structure, floor-to-floor, and any other straps to be in place and properly fastened. Note that the fasteners in structural panels are approved to be driven flush only. Counter sinking fasteners may require the exterior sheathing to be re-fastened or replaced. The window flashing inspection requires the use of approval flashing material that is installed as required by the window manufacturer. The window flashing material must be 9" wide minimum. This inspection will be done with the 4-way rough inspection if possible.
- ☐ **MASONRY AND STUCCO FLASHING**: This inspection is usually done with the 4-way rough inspection but can be done at any time after the exterior sheathing and shear walls.
- ☐ **GAS LINE SIZING AND PRESSURE TEST**: This inspection is usually done with the four-way rough inspection but can be done at any time after the gas lines are installed. There needs to be a gas line schematic drawing on site that is drawn by the heating contractor. This should include all of the gas piping lengths, sizes, specific type of pipe, pressure reduction valve information and locations, appliance type, location, and BTU requirement. Also include the property owner's name, general contractor's name, heating contractor's name and phone number, the permit number, the building address, subdivision, and lot number.
- ☐ **4-WAY ROUGH**: This inspection is to be done before any insulation is installed. All rough framing, electrical, heating, air-conditioning, and plumbing should be complete. The project should be ready for insulation and sheetrock before calling for this inspection. All plumbing should have either water or an air test ready for inspection at this time.
- ☐ **HYDRONIC/PLUMBED HEATING SYSTEMS IN OR ON FRAMED FLOORS**: This inspection is done when the plumbing is in place and pressurized but prior to concrete or insulation coverage.
- ☐ **POWER – TO- PANEL**: This inspection is done after the 4-way rough inspection has been completed and approved and when the electrical wiring is complete enough for at least one circuit on each floor to function properly when the power company meters (or energizes) the meter base. All grounding systems must be in place at this time and the building must be able to be locked and secured.
- ☐ **INSULATION**: This inspection is done after the walls, floors, heat ducts, around windows, floor penetrations, etc. (this includes the basement and crawlspaces) have been insulated and before any sheetrock or wall covering of any kind has been applied. Note: Make sure that you have your approved MecCheck, ResCheck, or other energy calculations on site for the inspector to review!
- ☐ **DRYWALL/LATH/SHEETROCK**: This inspection is done when all of the sheetrock is glued and nailed in place but prior to the taping and mudding of the sheetrock. Don't forget to sheetrock the ceiling and walls under the stairs if the space is accessible.
- ☐ **FINAL**: This inspection is done when all items are complete and the structure is ready to be occupied (this includes drainage systems, retaining walls and any other geotechnical/geological required items must be in place and approved in writing by the design engineers). There is to be NO personal items in the structure at this time and until an occupancy has been issued to the structure.
- ☐ **OTHER INSPECTIONS:** As required by the Building/Planning/Engineering departments.

NOTE: All approved plans, including the MecCheck/ResCheck/energy analysis, engineering calculations, plot plan, building plans, specifications, engineer stamped truss sheets, etc. are required to be on site for all inspections.

Design criteria for Morgan County

- SNOW: Site specific depending on elevation. The chart below may be used to find the minimum loads at higher elevations.

  Ground Snow = $Pg - [Po^2 + S^2 (A-Ao)^2] 1/2$
  Po=57
  S=63
  Ao = 4.5
  Normal or Common roof snow loads = ground snow (Pg) x .7
  Sheltered or Protected roof snow loads = ground snow (Pg) x .9
  A= Elevation x .001

Elevation	Location	Ground Snow	Sheltered Rood	Common roof
4800'	Mountain Green Exit	60	54	42
4900'	Lamb's subdivision	62	56	44
	Kent Smith Memorial Park			
	Heinz Quick Stop			
5000'	Trappers Loop/Old Highway intersection	65	59	46
5100'	Morgan County Fairgrounds	68	62	48
	Young Street/Morgan Valley Dr. Intersection			
5200'	Trappers Pointe Subdivision	72	65	50
	Mountain Green Airport			
	Enterprise-low areas			
	Stoddard lane			
	Peterson Exit			
	Richville Lane			
	Hardscrabble/Morgan Valley Dr. Intersection			
	Round Valley Golf Course			
	Taggarts Camp			
	Highway 66/Morgan Valley Drive Intersection			
	Cottonwoods Phse II - IV			
5300'	Top of Woodland Heights	76	68	53
	White's Crossing			
5400'	Croydon Park	80	72	56
5500'	Croydon Cemetary	85	76	59
	Holcim Cement Plant			
5700'	East Canyon Resevoir Spillway	95	85	66
5800'	East Canyon Resort	100	90	70
6000'	Lost Creek Resevoir Spillway	110	99	77
9300'	Top of Strawberry Bowl Ski Lift	308	277	215

Design Criteria for Morgan County (continued)

- WIND
  - Speed: 90 MPH, 3-second wind gust.
  - Exposure: Site specific
- SEISMIC:
  - Seismic Design Category: Site specific.
- SOILS:
  - Frost depth: 36 inches minimum
  - Site class: Site specific
  - Geotechnical information: All commercial projects require site-specific geotechnical reports meeting the requirements of Section 1802.2.7 of the IBC. Many of the residential (and other) projects require site specific geotechnical reports. Information regarding possible geotechnical requirements should be asked for before designing any structures in Morgan County.
- MISCELLANEOUS:
  - All professionally designed plans must be wet signed, on the first page only, by the architect or engineer of record who drew them. All other sheets shall be stamped, signed, and dated but may be electronically reproduced.
  - Commercial remodels over 3,000 square feet must be designed by an architect, stamped, signed and dated.
  - All commercial additions, regardless of size, must be signed by an architect, stamped, signed and dated.
  - All commercial site plans must be engineered. Many residential (and other) site plans are required to be engineered and inquiries should be made prior to designing a structure about site plan requirements.