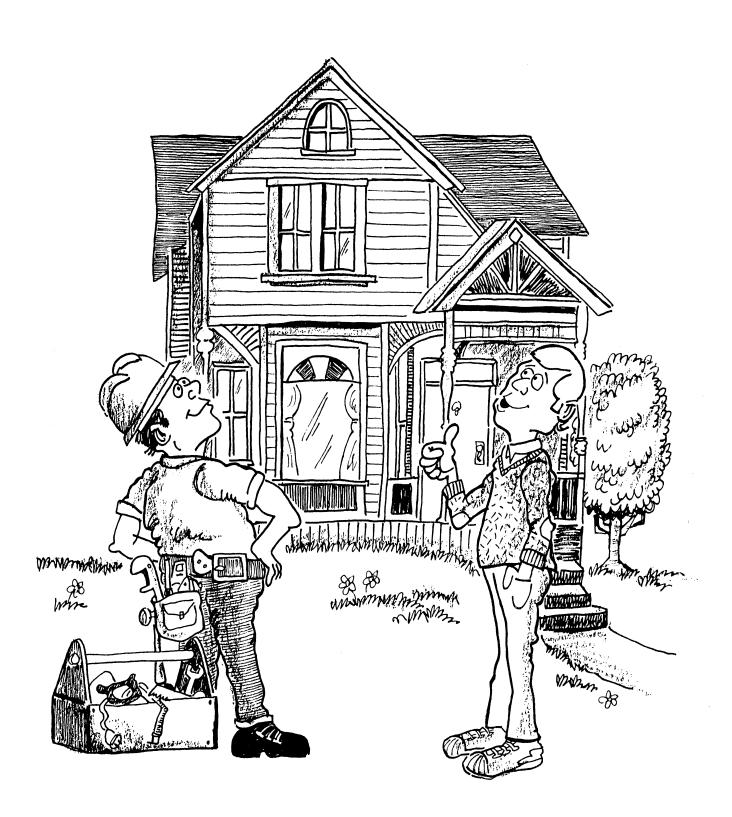
If enough people think of a thing and work hard enough at it,
I guess it's pretty nearly bound to happen,
wind and weather permitting.

- Laura Ingalls Wilder



upervision of your project requires a consistent, organized approach to each phase of construction checking the work performed against **Drawings, Specifications, and your Terms** with Trade Contractors and Suppliers. Your daily and weekly construction "Quality Control" inspections will be much more than examining materials and methods; this will be an opportunity to greet people, establish relationships, as well as look for hazardous conditions or unsafe practices.

Your first concern should be for people. While greeting workers make sure the site is clean and orderly. Using the "Safety Checklist" be alert for problem areas or behaviors. Your arrival will make workers self-conscious so use this safety tour to put them at ease as well as examine their working conditions. Any problems need to be dealt with directly yet diplomatically. Best procedure is to deal with the lead person of the crew in error rather than breaking the chain of command by going directly to a crew member.

Once the safety and social issues are completed, your attention can focus on construction work. Look over work in progress and check it against Drawings and Specifications. Don't be afraid to carry a clipboard and 35 mm camera or video camera recorder to document your observations (See "Punch List" on Page 128-131). Keep in mind the project's schedule especially in regards to the *appropriate sequence of work flow.*

Remember: there's no such thing as a dumb question so don't be afraid to ask. Record key questions and answers.

Given the variety of circumstances in residential construction, it becomes very difficult to create checklists covering all circumstances. Although the following checklists may seem comprehensive, they should be regarded as a guide. They are not a substitute for *good observation and critical thinking*.

PRECONSTRUCTION

* Site Access
Check type, surface, and capacities of roads
Check traffic flow
Check number of entrances to site
Check condition of driveway
Check overhead electrical utilities
Check street signs and directions
* Temporary Facilities
Check location for job shack Check location for sanitary shack Check location for temporary fences if required Check adequacy of parking spaces Check availability of local storage areas
Check location for sanitary shack
Check location for temporary fences if required
Check adequacy of parking spaces
Check availability of local storage areas
Check areas for stockpiling materials
* Storage and Protection
Check relation of storage areas to traffic flow
Check future activities such as trenches, fills, rockeries
Check material to be first-in and first-out Check security precautions Check necessity for tarps or plastic covers Check protection for finished surfaces
Check security precautions
Check necessity for tarps or plastic covers
Check protection for finished surfaces
Check materials that may require heated space
* Cleaning and Debris
Check debris: reduce, reuse, recycle, refuse
Check location of dumpster
Check scrap for reuse by Trade Contractors
Check storage areas for aluminum, cardboard, glass
Check need for bags, brooms, receptacles
SITEWORK
* Demolition
Check area for demolition with "approved" Drawings
Check local regulations for debris disposal

Check location of tie-ins
* Layout Check location of building corners with site plan Check legal setback requirements Check location of underground utilities
* Site Clearing Check location of tree and shrubs to remain Check trees for firewood or lumber Check local regulations for burn piles Check for opportunity to bury trees and brush
* Excavation Check storage areas for topsoil and sub-soil Check foundation location and depth (allow extra 3 feet for work space around perimeter) Check fireplace footing location and depth Check crawlspace location and depth Check garage slab location and depth Check areas for downspout leach field Check location of trash pit for debris
* Backfill Note: Prior to backfill review foundation checklists Check deck installation on foundation for bracing Check for necessity of clean fill for drainage Check for fill for very large rocks or wood scraps Check locations where compaction is needed Check locations of water meter and power pole Check locations of topsoil for final grade
* Grading Check elevations and lines on site plan Check allowances for top soil, bedding, plants Check for 2-3% slope after final grade Check berms for placement, height, form
* Retaining Walls Check locations with site plan

Check for "deadman" anchors	
Check placement of rock behind wall for drainage	
Check for drainage holes in lower portion of wall	
* Asphalt Paving	
Check subgrade compaction to 95%	
Check mixture is at min. temp. of 280 degree F.	
Check smoothness tolerance of 3/8" in 10 feet	
Check air temperature is at least 50 degree F.	
* Concrete Paving	
Check forms for straightness elevation, slope	
Check subgrade compaction and gravel fill	
Check necessity for reinforcement: mesh or rebar	
Check location of reinforcement mid-way in pour	
Check concrete mix: slump, mix, additives Check finish: broom, smooth, exposed	
Check finish: broom, smooth, exposed	
Check cure rate: excessive hot or cold temperatures	
* Brick Paving	
Check compaction of subgrade	
Check thickness of sand bed	
Check pattern for brick installation	
* Public Utilities	
Check site plan for inclusion of all systems	
Water District or Well	
2. Electrical Distribution	
3. Sewer or Septic	
4. Gas or Oil	
5. Television Cable	
6. Telephone Cable	
7. Stormwater	
Check with utility companies for installation procedures	
Check with governing agencies for regulations	
Check with Trade Contractors for their requirements	
Check compatibility of installation for layout	
Check proper sequence for scheduling	
Check excavation depth, slope, elevation Check materials consistent with procedures and regulation	. ~
Check maierais consisient with brocedures and redulation	

Check inspector's report and retain copy
Check that proper trench bedding material for utilities is used
Check site plan to create "as-built drawings" when completing
actual work
* Stormwater Control
Check location, size, slope of tight lines
Check required setback from septic system
Check tie-ins with downspouts Check tie-ins with catchbasins Check tie-ins to leach pit
Check tie-ins with catchbasins
Check tie-ins to leach pit
Check adequacy of leach pit and rock size
* Foundation Drainage
Check location, size, slope of lines
Check for perforated lines separate from tight lines
Check for tie-in to leach pit
Check adequacy of leach pit and rock size
* Trees, Plants, Groundcover
Check for site preparation per grading
Check for location of topsoil, gravel, bark
Check for plant species, sizes, quantities
Check proper application of sod/seed
Check proper installation of bushes and trees
Check all plants remain alive and growing; hold Trade Contractor
accountable
Check proper maintenance schedule
FOUNDATION OF ADO DAMP POOFING DADON OAG
FOUNDATION, SLABS, DAMP ROOFING, RADON GAS
* Batterboards
Check location of property lines
Check distance of setbacks per "approved" Drawings
Check for presence of groundwater
Check for location of major components
1. Exterior Walls
2. Piers and Support Columns
3. Garage or Carport

4. Fireplace Footing	
5. Porches and Entryway	
Check for level and square	
Check dimensions according to "approved" Drawings	
* Footings	
Check for location of major components	
Check proper elevation	
Check for level and square	
Check offsets and jogs	
Check width and depth	
Check for cleats to maintain width	
Check offsets and jogs Check width and depth Check for cleats to maintain width Check location of blockouts	
Check rebar size, spacing, ties: horizontal and vertical	
Check rebar bends at corners	
Check bracing and backfill	
Check rebar size, spacing, ties: horizontal and vertical Check rebar bends at corners Check bracing and backfill Check inspector's report and signature; retain copy Check quantity of concrete ordered, mix, and slump	
Check quantity of concrete ordered, mix, and slump	
Check schedule for delivery	
Check method of pour	
Concrete truck chute Wheel barrel	
3. Pump truck4. Vibrator	
Check logistics	
1. Do not allow concrete to drop more than 5' from chu	ıte
2. Do not move concrete more than 20' once in form	
3. Do not over-vibrate	
4. Prevent radical cure rate: hot/cold temperature	
* Walls	,
Check for plumb, level, straight, square	
Check dimensions: length, width, height (+1/4",-1/4")	
Check elevation with benchmark	
Check location of stepdowns	
Check size, location, bracing of major components	
 Fireplace Windows 	
3. Bulkheads	
4. Beam Pockets	

5. Doors	
6. Offsets and Jogs	
Check for sleeves or blockouts (coordinate with Trade Contractors)	
1. Plumbing	
2. HVAC	
3. Electrical	
Check rebar size, spacing, ties: horizontal and vertical	
Check rebar bends at corners	
Check form ties, shoes, walers, cleats, bracing	
Check anchor bolt size and layout	
Check inspector's report and signature: retain copy	
Check anchor bolt size and layoutCheck inspector's report and signature; retain copyCheck quantity of concrete ordered, mix, slump	
Check schedule of delivery	
Check schedule of delivery Check method of pour	
1. Concrete truck chute	
2. Wheel barrel	
3. Pump truck	
4. Vibrator	
Check logistics	
1. Do not allow concrete to drop more than 5' from chute	
2. Do not move concrete more than 20' once in form	
3. Do not over-vibrate	
4. Prevent radical cure rate: hot/cold temperatures	
* Slabs	
Check installation of "groundwork" by Trade Contractors	
Check inspector's report of Trade Contractor's work; retain copy	
Check installation of insulation if required by code	
Check gravel fill for drainage	
Check rebar or mesh if required	
Check placement of 6 mil plastic for moisture barrier	
Note: Review footing and wall checklists for relevant guides.	
* Damp Proofing	
Check top of wall for smoothness; use "rebar sander" if required day	/
after stripping forms	
Check wall for honeycomb pattern; patch with cement mortar	
Check all ties twisted off and all tie holes filled with asphalt emulsion	
Check wall for any concrete protrusions and remove	
Check seam between wall and footing for cleanliness; fill seam with	1

asphalt emulsion Check asphalt emulsion on all sub-grade walls surrounding habitable areas; not necessary for walls at crawl space Check that asphalt emulsion does not go above grade level Check all downspout drains securely in place Check all footing drains securely in place Check all debris removed from trenches
* Radon Gas Check placement of gravel below slab Check placement of 6 mil plastic over gravel Check seal at concrete slab joints and all slab penetrations Check 4 inch diameter vent stack running from below slab through penetration in roof Check installation of electrical supply line and junction box for future fan if required
Note: Contact your local Building Department to confirm it's standard construction practice for Radon resistant home construction. FRAMING
* General Notes Check local building code for nailing schedule and sizing structural members Check framer's lumber take-off to insure adequate supply of material on site; ask to be notified in advance should additional lumber be required Check framing deviations; not to exceed standard 1/4" leeway for error; changes should be recorded on Drawings, dated, and signed Note: Review all errors objectively to determine difference between those errors which will create major difficulties for quality work and those errors which will have minor impact on quality work. This is a judgment call: one must realize that all errors do not create problems which are insurmountable.
* Floor Framing Check sill plates for exterior grade, pressure treated lumber Check sill sealer installed between sill and foundation Check anchor bolts installed with nut and washer; min. 2 fasteners per

	plate, max 16" from each end, max 6' on center
	Check for termite shield if required Check grade, species, and span of all floor joists, posts, beams, purlins
	Check location and nailing of all metal connectors shown on official
	prints for posts and beams
	Check beams for straightness and consistent height
	Check all joists are crowned-up
	Check rim and header joists straight and nailed properly
	_ Check all joists of uniform width and tight joints with proper nailing
	pattern
	_Check joist doubled at all openings; hangers installed and
	completely nailed where required
	_Check bridging installed and nailed per code; solid blocking
	installed and nailed per code
	_ Check plywood (or equivalent) subfloor installation:
	1. Proper thickness with APA grade stamp correct
	2.Glued and nailed with all-weather adhesive; follow manufacturer's
	specifications and building code requirements (such as 1/16"
	spacing @ edges) Check stairwell installation:
	Refer to official prints for locations
	2. Plywood subfloor should overhang stairwell opening to match treads
	3. Stair risers should be of equal height (max 1/8" variance)
	4. Treads should be level and same width (max 1/8" variance);
	nailed and glued to stair jacks
	5. Stair jacks should have no cracks
	6. Fireblocking installed per code
	7. Railings properly fastened and solidly secured
	_ Check cantilevers per plan: overhang, blocking, joist layout
	_ Check for proper clearance around masonry or double wall chimney
+ \4	In II Francis a
A/	/all Framing Chack wells leasted per "approved". Drawings
	Check walls located per "approved" Drawings Check walls for straightness, plumb, and square; correct size lumber
	for studs and headers
	Check header locations and sizes with proper grade stamp
	_ Check sheathing size, manufacturer's installation instructions, and
	nailing schedule per code
	Check critical dimensions; no room studded without installing large
	fixtures or appliances that will not fit through door openings later

Check window and door openings; dimensions, plumb, square
Note: Rough framing for window and door openings will require a
thorough review with vendors to determine allowances for products
chosen for installation. Items such as floor covering, door and
window trim will affect the <i>allowances for framing measurements</i> .
Check all warped studs removed or straightened; pull string along wall
lines to determine straightness
Check plate splices located over studs
Check trimmer studs and header joints tight

Check for square corners in critical areas; kitchens, baths, and utility
areas where cabinets and countertops designed for 90 degree angles
Check for backing where required for drywall and fixtures:
1. Curtain Rods
2. Towel Rods and Rings
3. Cabinets
4. Ledgers and Shelves
5. Closet Kits
6. Ironing Boards
7. Ceiling
Check garage door jamb and brick mold installed properly
Check framing and drywall installation per fire code in areas
surrounding fireplace masonry; coordinate this activity with framer and
masonry contractors prior to enclosure
Check measurements required for spaces which cannot be altered:
1. Cabinets and Vanities
2. Showers and Tubs
3. Built-in Furniture
Note: Maintain allowances for installation.
Check that walls have adequate temporary bracing to maintain
straightness and plumb prior to setting truss package
en angrimises and planns prior to soming mass pashage
* Roof Framing
Note: Roof framing may be "stick frame" or "truss package." The main
difference is that "stick frame" roofs will be built piece by piece on
site; a roof erected with a "truss package" will be cut and assembled
at the factory and delivered to the site.
Check trusses erected according to engineered design and
installation instructions accompanying package:
Nailing schedule per applicable building code
2. Framing anchors installed per applicable building code

3. Catwalk installed at center of attic 4. Wind brace installed at gable ends 5. Attic vents installed at gable ends or ridge (See "Roof Sheathing") 6. All gable and firewall trusses have study installed per sheathing or drywall layout 7. Lookouts installed at peak of gable and 4' o.c. for sheathing layout 8. Fascia and Barge boards installed straight and secure 9. Vent blocks installed at exterior walls between roof rafters Check stick framing installed per "approved" Drawings according to applicable building code: 1. Rafters correct size, straight, crown-up 2. Ridge board correct size, straight, without sag 3. Rafters properly connected to wall plates 4. Collar ties correct size, spacing, height 5. Vent blocks installed at exterior walls between rafters 6. Attic vents installed at gable ends or ridge (See "Roof Sheathing") 7. Fascia and Barge boards installed straight and secure 8. Lookouts and rake supports installed per layout Check for proper clearance around chimney Check attic access properly sized and located Check ceiling backing in place before sheathing installed Check location and backing for skylights * Roof Sheathing _ Check sheathing grade stamp, size, manufacturer's installation instructions, and nailing schedule per code Note: Skip sheathing will be required for wood shingles or shakes. Contact roofing contractor to review requirements for specialty materials such as tile or metal. Check sheathing staggered from row to row __ Check ply clips used at horizontal seams between rafters Check vent holes cut at or near ridge if gable vents inadequate or unavailable Check skylight framing size and location

* Flashing

Note: Many problems occur after construction due to water damage from improper flashing. Metal flashing comes in all shapes and sizes and its applications should be provided in "approved" Drawings; however,

Check storage and protection of excess and scrap sheathing

there is **no better judgment** than common sense and extra protection. During rough framing, flashing for all applications should be available at the site, properly stored to avoid damage, and installed in proper sequence.

____ Check flashing located/installed per applicable code:

- 1. Ground contact
- 2. Deck Ledger
- 3. "Belly" Board
- 4. Window Headers
- 5. Door Headers
- 6. Skylights
- 7. Chimneys
- 8. Valleys

ROOFING

* Roc	ofing Material					
(Check "approved"	Drawings a	nd Specifications	s for type,	color, siz	żе,
á	and manufacturer:		·			
	1. Asphalt Shingle					
	2. Wood Shingle or	Shake				

- 3. Fiberglass Shingle4. Tile or Slate
- 5. Roll Roofing
- 6. Metal

Note: Locate all vent stacks that penetrate roof *prior to installation* of roofing. Vents and flashing will be provided by Plumbing and Heating contractors and installed per their layout and **NOT** be responsibility of Roofing contractor. Vents and flashing are usually required for plumbing, HVAC, wood stove or fireplace, attic ventilation, "moist" room fans.

Check metal drip edges at rakes or eaves if required	
Check felt paper overlaps: minimum 2" on sides; 4" on ends	
Check manufacturer's warranty for weather exposure and nail	ing
pattern, sealers, membranes, cements, fasteners	
Check roofing material for squareness, straightness, co	lor
uniformity, no buckling or cracks	
Check edges, ridges, hips, valleys for smooth, even trim	
Check roofing material extends over roof edge by 2"	

Check roofing material fit tightly around all stack vents and installed
with flashing to shed water Check nails are galvanized and not exposed to weather unless
special protection provided by manufacturer or Trade Contractor
Check all debris removed from roof and site
* Gutters & Downspouts
Check style, color, size as specified by owner
Check gutters spaced and secured per specifications using
aluminum nails and sleeves or "hidden" fasteners
Check water drainage to downspout using hose; drains
completely in one minute without water collection anywhere
Check for leaks in corner miters, elbows, downspoutsCheck downspouts secured to walls with straps of same color
Check downspouts land on splash blocks or connect to drain line
leading to leach pit or storm water system per applicable code
EXTERIOR FINISH & SIDING
EXTERIOR FINISH & SIDING
Note: Prior to trim and siding installation, siding contractor will provide
and install "infiltration barrier" per local building code as air and moisture
control. Product will be installed per manufacturer's installation
instructions. All wall penetrations will be caulked with suitable latex caulk
to eliminate air infiltration.
* Exterior Finish
Check all trim material for all-weather conditions suitable for paint or
stain or varnish
Check soffit installation for tight end and lateral joints, and vents to
provide adequate ventilation for attic
Check corner boards for fit to soffit and tight against building
Check window trim for joint fit, tight against building and window frame Note: If window trim is integral component of frame unit then install window
plumb, square, and tight to building
Check door trim for joint fit, tight against building and door frame
Note: If door trim is integral component of door unit then install door
plumb, square, and tight to building
Check cornice for tight joints at soffit and fascia with proper flashing to
prevent water damage

Check "belly" board for straightness, ti	ght end joints, secure to building
with galvanized casing nails	
* Siding	
Check Drawings and Specifications fo	r type, style, color, manufacturer
of siding:	
1. Brick	
2. Stucco	
3. Hardboard	
4. Vinyl	
5. Plywood	
6. Lumber	
7. Waferboard/OSB	
8. Aluminum	
9. Shakes or Shingles	
10. Concrete Block	
11. Stone	
Check siding installed per manufacture	er's installation instructions
Check exposure to weather in accorda	nce with Drawings
Check flashing installed at critical area	
Check fasteners for flush or counters	sunk condition and finished per
code and manufacturer's instructions	
Check all necessary areas for latex ca	ulk per applicable building code
MASONRY, FIREPLACE, WOOD STOVE	
Check brick type, size, color as specific	<u> </u>
Check reinforcing, anchors, ties if requ	ired:
1. Rebar: Grade 40, No. 3 and larger	
2. Anchors: Galvanized steel per code	
3. Ties: Corrugated and galvanized typ	
4. Reinforcement: Truss type, drawn s	
Check mortar and joints per plans and	
1. Mortar Type S (use type I or II ceme	nt)
2. Joints consistent width (" typical)	
Check weep holes and vents clear of n	
Check location of bond beams or angle	
Check dimension and location of firepla	ace/chimney:
 Firebrick inside firebox 	

- 2. Refractory mortar
- 3. Dimensions in accordance with applicable building code
- 4. Cleanout, ash dump, damper operate properly
- 5. Vent for outside combustible air
- 6. Framing proper distance from masonry per code
- 7. Chimney flashing at roof
- ____Check zero-clearance fireplace installed by manufacturer's installation instructions
 - 1. Use stainless steel, double-wall flue
 - 2. Maintain dimensions and clearances per applicable code
 - 3. Install proper supports and downdraft cover at chimney

PLUMBING

* Rough-in
Note: Be sure shower and tub fixtures are ordered and placed in proper
location if access will be a problem
Check location of all utilities to guarantee proper layout and site
logistics
Check access to house supply lines and drains to establish
openings in concrete walls and slabs
Check Drawings and Specifications to verify types and location of
plumbing fixtures to guarantee proper layout and Underwriter's Lab
approval
Order long lead time items for procurement
2. Locate and place specialty hardware in walls and floors
Check framing requirements of plumber to allow for layout of joists and
studs to minimize cutting and call-backs
Repair cut-out framing by plumber
Check roof vents installed with proper flashing
1. Locate vents on roof for aesthetic appeal
Check water service active to house so "live" test can be
accomplished on water lines and available for "water" test on waste
lines
1. Keep potable water lines under pressure after inspection and
continue to observe for evidence of leaks
Check nail straps at all framing to protect pipes from nails
Check exterior water spigots and lines insulated and protected from
freeze

Chec	k permit signed by inspector
1. No	te corrections if required
2. Ma	ake copy of permit
* Trim	
Note: Co	onfirm manufacturer, style, type, color of fixtures at rough-in,
	ordering trim package, and delivery to site. Inspect
•	efore and after installation for scratches, chips, dents.
	k operation of faucets and drains
	ot on left, cold on right
	drips or leaks at traps or joints below fixture
	ain stops operate properly and form seal when closed
	k operation of toilets
1. No	drips or leaks at shut-off valve or connections
2. Wa	ater fills properly and action stops completely
3. Flu	ush acts immediately with proper draw
	k garbage disposal operates properly
	k operation of dishwasher and clotheswasher
	in through entire cycle
	drips or leaks at connections or machine
	t and cold water present at proper cycle
	ck water heater firmly set, connected to wall, with floor drain pan
	r appliance
	drips or leaks at connections
	afety relief valve properly installed and connected to drain line adding to building exterior
	ck for evidence of "water hammer" in entire system by turning
	faucet on and off very quickly and listen for knocking noise
	k pipe holes in concrete walls or floors sealed with hydraulic
ceme	• •
	k permit signed by inspector
	ote corrections if required
	ake copy of permit '

HEATING/ VENTILATION/AIR CONDITIONING (HVAC)

* Rough-in

Note: Be sure HVAC fixtures are ordered and placed in proper location *if access will be a problem*

6. Furnace

Check equipment per specifications for correct manufacturer,
model, size, capacity with Underwriter's Lab approval
Check heating, air units, compressors installed in correct location and
anchored properly
Check zone systems have proper units in correct locations
Check ductwork installed according to manufacturer's installation
instructions and mechanical code
Proper number of supplies and returns
2. Joints sealed tightly with duct tape
3. No return ducts in bath or kitchen
4. Ducts in floors and walls do not interfere with drywall installation
5. Duct insulation correct "R" rating and properly secured
6. Prepare vent for combustible air circulation
Check adequate vents and ducts for dryer, stove, moist rooms, air
circulation
Check heat exhaust vents installed per applicable code
Keep wood framing lumber away from heat vent
2. Flashing conforms to roof material to resist water
3. Down draft caps securely in place
4. Vents placed for aesthetic value
Check air conditioning condensate drain installed
Check gas fixture layout and pipe logistics
Locate meter for access and inspection
2. Place stub-out for future use (i.e. hot tub, grill)
Check placement of floor pan under attic furnace
Check permit signed by inspector
Note corrections if required
2. Make copy of permit
* Trim
Note: Confirm manufacturer, style, type, color of fixtures at rough-in, prior
to ordering trim package, and at delivery to site. Inspect fixtures
before and after installation for scratches, chips, dents.
Check gas line hook-up to gas appliances:
1. Stove
2. Dryer
3. Water Heater
4. Fireplace
5. Hot Tub

7. Grill	
Check HVAC electrical hook-up completed per code a	nd
manufacturer's installation instructions	
Check thermostat's location and operation	
Check filter installation on furnace and air conditioning	
Check radiators, vents, ducts for cleanliness	
Check air conditioning condensate drain operation	
Check air conditioning condensate drain operation Check water line to/from humidifier	
Check Noise Rating of Vent fans	
Check exterior openings sealed with caulk to applicable code Check furnace operation through 24 hour cycle Check supply trim for proper air flow direction	
Check furnace operation through 24 hour cycle	
Check supply trim for proper air flow direction	
Check permit signed by inspector	
1. Note corrections if required	
2. Make copy of permit	
ELECTRICAL	
* Rough-in	
Note: Be sure electrical fixtures are ordered and placed in proper locat	ion
if access will be a problem	
Check location and size of service panel	
1. Place conduit in wall for underground wiring	
2. Locate for access to public utility and meter installation	
3. Coordinate with public utility	1
4. Ground rods placed per electrical code	
Check layout and number of outlets and switches	
Check lighting layout per owner's furniture and expected use	or
function and Underwriter's Lab approval	0.
Check wiring provided for appliances and fixtures:	
Garbage disposal or Hot Water Dispenser	
2. Dishwasher	
3. Stove and Hood	
4. Refrigerator	
5. Microwave	
6. Entertainment Center	
7. Clotheswasher and Dryer	
8. Built-in Ironing Board	
9. Built-in Vacuum Cleaner	

10. Built-in Hair Dryer
11. Sauna or Hot Ťub
12. Medicine Cabinet Lights
13. Moist Room Fans
14. Attic Fans
15. Landscape Lighting
16. Outside outlets
17. Interior hanging lamps
18. Wall Sconces
19. Garage door opener
Check for proper placement and installation of equipment:
1. Telephone Jacks
2. Television Jacks and location of cable service or antenna
3. Smoke Detectors located per fire code
4. Security installed per manufacturer's installation instructions
Check for electrical requirements for specialty items
1. Fire Sprinkler
2. Landscape fountains
Check hole penetrations sealed with exterior grade caulk
Check permit signed by inspector
Note corrections if required
2. Make copy of permit
* Trim
Note: Confirm manufacturer, style, type, color of fixtures at rough-in, prior
to ordering trim package, and at delivery to site. Inspect fixture
before and after installation for scratches, chips, dents.
Check covers installed on all switches, outlets, fixtures
Check operation of all electrical items and equipment following
manufacturer's recommendations
Check panel circuits labeled per house layout
Check appliances for correct operation
Check permit signed by inspector
Note corrections if required
2. Make copy of permit

INSULATION, SOUNDPROOFING, WEATHERIZATION

Note: Insulation and Weatherization conforms to requirements of

DRYWALL

* Before Hanging
Check access and logistics for delivery and storage of drywall, joint
compound, tape, nails, corners
Check framing for moisture content; beware of excessively moist
conditions which will contribute to high humidity in house during drying
Check studs for irregularities in wall line; make partial cuts in studs to
straighten wall line
Check backing in walls and ceilings for nailing
Check rough openings for square, plumb, level, size
* Before Taping
Check nailing pattern conforms to applicable building code
Check drywall thickness conforms to fire code at critical walls and
ceilings
Check unnecessary gaps, damage, warpage, or voids which must be
replaced prior to finish
Check rough cuts around all openings for final trim to allow proper fit
Check nail/screw heads are properly "dimpled"
Check need for waterproof drywall (green board) in moist rooms; tile
areas will be provided with cement backer board
Check metal corners installed on outside corners and nailed flush with
finish surface
Check type of window trim to be installed
Check type of finish after taping; smooth wall require more labor and
higher cost per square foot
Check floors for cleanliness and cover with building paper prior to
finishing and texture
Check windows, doors, and other finish work covered with plastic to
avoid splattering and spillage
Check video recording to verify location of all items or fixtures which,
need to penetrate drywall
* During Finishing
Check necessity of heat between coats of drywall compound to assist
curing time; who is responsible for heat?
Check three separate coats of compound are applied to all joints;
each successive coat should leave a wider track and smoother finish
Check windows, doors, and other finish work remain covered with
plastic to avoid splattering and spillage

Check excessive water or compound spillage in house during finish excess moisture will cause high humidity during curing	٦;
* After Finishing Check all joints feathered smooth and sanded to finish Check all openings are exposed and cleaned of compound Check cuts are smooth and ready for trim Check nap of paper not raised or roughened by excessive sandin Check for nail heads exposed Check joint compound completely dry before sealing	g
* After Sealing Check primer used for sealer is approved by energy code if required Check primer applied consistently over all areas Check primer allowed to completely dry Check walls for imperfections prior to texture; correct imperfection prior to texture application Check type of texture to be applied in house	ıS
* After Texture Check consistent pattern throughout entire house Check all debris removed from site Check plastic remains in place if painting is to be accomplished immediately after texture Check texture thoroughly dry before painting	i
WINDOWS, MILLWORK, DOORS	
* Windows Check rough frame size coincides with window schedule and "approved" Drawings and Specifications Check windows conform to applicable building and energy codes Check size, type, number, and condition of windows on delivery to site Check screens match size and type of window Check windows installed per manufacturer's installation instructions 1. Window frame secure against building 2. Gap around window frame consistent on all sides 3. Windows open and close smoothly 4. Reveal at open window to be consistent	

	Check window casing nails set below surface and sealed with putty Check window size and type consistent with trim application
* M	illwork
	Check location and type of all wood trim
	Check paint or stain color per owner's requirements
	Check accurate quantity of case trim for windows and doors, and base
	trim for floor
	Check specialty molding/trim for type and color
	1. Stair kits
	2. Wainscoating
	3. Mantel
	4. Window seats
	5. Paneling
	6. Sauna Kits
	7. Closet Rod & Shelf
	8. Pantry Shelves
	9. Handrails
	10. Caps, Aprons, Crowns
	Check trim/molding installed to finish standards
	1. All material is void of major defects
	2. Trim intersects with walls, ceilings, floors evenly with no gaps or
	irregularities
	3. Trim joints are tight and caulked, sanded and smooth
	4. All finishing nails set below surface and sealed with wood putty
	Check trim/molding installed per industry standard and functions
	according to intended use
* D	oors
	Check door type, quantity, size, swing, finish, hardware per owner's
	requirements
	Check condition of doors and hardware at delivery
	Check thresholds and weatherstripping accompany exterior doors
	Check automatic closers accompany fire-rated doors
	Check location of all doors per door schedule
	1. Exterior
	2. Interior
	3. Pocket
	4. BiPass
	5 RiFold

6. Attic	
Check final installation of all doors	
 Doors open and close smoothly 	
2. Reveal is consistent with proper clearances	
3. Knobs, latches, bolts align with insets	
4. Swing in proper direction with privacy facing correct	t side
5. Locks function easily and smoothly	
6. Keys available and keyed the same for ease of use	9
7. Weatherstripping in place	
8. Thresholds properly adjusted	
9. Door stops in proper locations	
10. Allow for clearance from finish floor surface	
Check finish nails set below surface and sealed with	wood putty
Check doors free from mars, scratches, dents	
PAINTING, STAINING, WALL COVERING	
* Painting & Staining	
Check manufacturer, type, color per owner's selectio	n
Check proper preparation to surface to be painted or	stained
1. Nail holes filled	
2. All knot holes, pitch pockets sealed appropriately	
Cracks and defects filled to finish surface	
Drywall imperfections smoothed and textured	
5. Primer/Sealer used where possible	i e
6. Protected areas to be "taped and bagged"	
7. Floors continue to be covered with building paper	
8. Exterior plants and earth protected from overspray	
9. Decks, siding, windows, doors, patios protected	
Check all treated areas appear uniform in co	or and maintain
consistent pattern	
Check trim treated according to owner's requirements	
Check color intersections are distinct and clean	creating true and
correct lines	
Check no dried paint drips or drops exist	
Check all debris and spillage removed from site	
Check windows, doors, trim free of paint/stain	
Check extra paint/stain remains with owner	

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* Wall Covering Check wallpaper located in specified are No texture applied to these areas Seams are consistent without gaps Reference at seams End cuts conforms to floor and ceiling Excess paste removed and paper cle Check paneling located in specified area Match grain and color of individual pie Use color finish nails or color putty to All cuts match existing area Check ceramic wall tile located in specified Use sealant in critical areas	g an is ices match stain ed areas
FLOOR COVERING Note: All floors to be scraped, sanded, clafloor coverings Check plans and specifications for owne	•
* Carpet Check pad/carpet at delivery for color, ty Check manufacturer's installation instruction Check carpet stretched tight and secured Check no damage done to walls or corner Check seams tight and trimmed Check metal threshold strips for appearance Check carpet stairs tight and secure to tr	pe, size, condition tions d with nail strips ers ance and weather-tightness
* Wood Floor Check material species, size, grade, path Check double layer tar/building paper plate Check proper fastener: 1. Strips nailed with ring-shank nails usin 2. Parquet adhered with recommended recomm	aced on floor if required ng floor nail gun

Check headers at thresholds, fireplaces, registers Check sanding completed in three phases to final finish 1. Specialty sanders equipped with dust bags 2. Smooth, consistent final surface Check stain or natural oil applied uniformly Check finish type and glaze per owner's requirements
Check formaldehyde off-gassing during curing
nyl Floors Check material at delivery for make, color, pattern, size Check subfloor installed with ring-shank nails @ 4" o.c. Check filler applied to subfloor to eliminate dips Check vinyl installed per manufacturer's directions Check seams and edges for smoothness and tight fit Check thresholds cover edges at transition area Check no scratches or mars after installation Check seam sealer applied if recommended by manufacturer
 eramic Floor Tile Check material at delivery for make, style, color, size, pattern Check method for setting tile and preparing substrate 1. Thin-set adhesive 2. Mortar bed
 Check for need for vinyl membrane as moisture barrier installed per manufacturer's recommendation Check shower pan installed with proper reinforcement and vinyl membrane in place at walls and corners, and secure to floor drain with
slope Check tile layout for consistent border on all sides Check grout spaces are uniform; grout color as specified Check tiles are secure and do not move under pressure Check grout is sealed as specified
Check base, cap, corner tiles are either factory-produced molded pieces or field-cut with smooth, even edges Check no scratches, cracks, chips exist after installation

CABINETS & COUNTERTOPS

Note: Selection and configuration of cabinets and counterops

become a *personal, subjective set of choices* which depend mainly on lifestyle. Whether stock or custom cabinets are incorporated, the combination of drawers, doors, tip-outs, lazy susans, pull-outs, glass doors, etc. will be the result of how one intends to put the area to use.

* Cabinets
Check dimensions at drywall installation and prior to ordering cabinets to confirm dimensions
Check wood species, cabinet style, type of finishCheck type of hinges and pulls
Check product at delivery for make, style, finish, quantity, size, condition prior to installation
Note: Cabinet manufacturer/vendor and cabinet installer may be two different Trade Contractors. When possible a single Trade Contractor responsible for both activities will <i>increase accountability</i> for quality and service
Check cabinet installation for level, plumb, and units secured to wall Check doors and drawers open and close smoothly Check alignment of all units, openings, finished surfaces Check all specified components installed
* Countertops
Note: Countertops may be made of a plastic laminate such as
"WilsonArt" or "Formica" brands. However, a variety of materials
including butcher block, tile, stainless steel, and solid surfaces such
as "Corian" brand are available based on use and cost
considerations.
Check installation details
1. Backsplash
2. Edge
3. Faucet & Sink Layout
Check countertop secured to cabinet and level
Check fit at seams, corners, walls, corners
Check stability and security of overhangs
Check backsplash conforms to wall with proper caulk at seam and wall
Check edge provides solid and sanitary connection with top
Check cutout "templates" for sinks, faucets, cooktops, ranges are available to countertop installer

TRIM PACKAGE & HARDWARE

4. Security system

* Trim Package
Check wallcovering completed
Check floorcovering completed
Check woodworking completed
Check door installation: fit, operation, stops
Check attic access door insulated
Check fixtures and appliances for operation
Check window installation: cleanliness, operation, screens
Check switch and outlet covers in place and tight to wall
Check debris removed and all surfaces cleaned
* Hardware
Check bathroom accessories
1. Towel Bars/Rings
2. Paper Holder
3. Mirrors
4. Shower/Tub Doors
5. Medicine Cabinet
Check door hardware
1. Deadbolts
2. Handles/Latches
3. Spring-loaded hinges
4. Strikes
5. Thesholds
6. Weatherstripping
7. Bi-Fold/Bi-Pass Kits
Check cabinet hardware
1. Adjustable hinges
2. Tip-outs
3. Sliders
4. Pulls
5. Lazy Susans
Check electronic hardware
1. Telephone jacks
2. Television jacks
3 Antenna/Cable installation

- 5. Intercom/Radio/Speakers6. Home Office/Entertainment Center

DECKS & PORCHES

Check concrete foundations extend below frost line and engineered to
support structure
Check galvanized metal connectors installed using "approved" nails
Check structural lumber stamped pressure-treated outdoor wood
Check all connections to house properly flashed and secured
Check decking, rails, pickets, caps are cedar, redwood, or pressure-
treated to meet standard of applicable building code
Check columns, posts, beams certified to carry load and not merely
ornamental
Check stair dimensions conform to applicable building code
1. Handrails
2. Treads & Risers
3. Pickets & Guardrails
Check finish is exterior quality, with unlimited warranty to not peel or
flake on deck or rail surfaces
LANDSCAPING
— Check site drains away from house and conforms to
requirements of applicable building code
Check ground makes no contact with siding and conforms to
requirements of applicable building code
Check all stoops, walks, aprons are connected to foundation with rebar
to limit separation and settling
Check all flat surfaces drain away from house and measures are taken
for stormwater control
Check areas specified for grass are sodded/seeded
Check plants are placed/protected per landscape plan and
specifications
specifications Check fences firmly placed in soil to avoid movement or shifting;
specifications Check fences firmly placed in soil to avoid movement or shifting; galvanized metal connectors and nails used where necessary
specifications Check fences firmly placed in soil to avoid movement or shifting;

REMEMBER: Pay attention to natural phenomena affecting Design/Build considerations. Your region will present unique biological, geographical, geological, and meteorological conditions which may require special materials and methods. **Contact your local Building Department if more information is required for your project.**

A FINAL NOTE: During construction work, the pace of activities requires the Owner to coordinate and control Trade Contractors and Suppliers on a daily basis. Very quickly there arises a need to record what happens and who is responsible for correct or incorrect work.

The Owner will definitely want to record the basics of who, what, when, where, why, how of a problem situation. The use of a Job Diary (See "Job Diary" on Page 129-130) is a means to document your concerns and communicate them to a Trade Contractor or Supplier.

In addition, a video recording and still photographs are also important methods to authenticate what's happening. This accomplishes two things: first, it lets people know you're serious about the situation; second, it allows you to review details in their original condition. Both points are vital to honest, open communication leading toward project accountability.

Here's what you can do to improve reliable documentation.

Video Recording: Dedicate a video tape for exclusive job site use. Follow normal sequence of events and establish shots which truly represent the work. Record what's been accomplished during rough-in and finish phases to create a "before and after" effect.

Still Photographs: Purchase a "one use" camera specifically for your project. Close-up shots will amplify details in need of further discussion. Date and label all photographs. Purchase "doubles" so there's a photograph for your files and another copy to send to a Trade Contractor or Supplier.

Don't forget the old adage: "One picture is worth a thousand words."

For Quality Control no one cares as much about how the work is accomplished than the people who'll live in the home.