



## **FINISH GUIDE**

This guide is to be used by a licensed general contractor experienced in new home construction. Knowledge is required in all areas – framing, insulation, ventilation, siding, roofing, drywall, plumbing, electrical, and trim. This guide explains in as much detail as possible the methods that are used to consistently maintain the high level of quality expected by Heckaman Homes.

Any deviations from these guidelines without the express written consent of Heckaman Homes may void warranty coverages.

Any questions regarding the finish of a home should be directed to the Customer Service Manager at  
(574) 773-4167

# INTERIOR FINISH CHECKLIST

**BUILDER** \_\_\_\_\_ **JOB** \_\_\_\_\_ **CREW** \_\_\_\_\_

- \_\_\_\_\_ PIERS/POSTS PLUMBED; M/W (MARRIAGE WALL) FLOOR FILLERS LEVEL  
BEAMBOLTS INSTALLED
- \_\_\_\_\_ M/W JOINTS INSULATED/FOAMED IN CRAWL/BASEMENT
- \_\_\_\_\_ M/W ARCHWAYS INSULATED/FOAMED; 3 PLATES PER SIDE
- \_\_\_\_\_ M/W DOORS, CASED OPENINGS, DRYWALL ARCHES FINISHED
- \_\_\_\_\_ ADJUST INTERIOR DOORS AS NEEDED
- \_\_\_\_\_ INSTALL FLOORING AND TRANSITIONS (MAY BE SUPPLIED BY OTHERS)
- \_\_\_\_\_ INSTALL AND ADJUST BYPASS/BIFOLD DOORS
- \_\_\_\_\_ ADJUST, SHIM EXTERIOR DOORS, INSTALL CASING.
- \_\_\_\_\_ CHECK AND ADJUST WINDOW OPERATION; INSTALL SCREENS
- \_\_\_\_\_ CHECK AND ADJUST PATIO DOOR; INSTALL SCREEN
- \_\_\_\_\_ CHECK AND ADJUST CABINET DOOR/LAZY SUSAN OPERATION
- \_\_\_\_\_ INTERIOR CONSTRUCTION CLEANED, TRASH PLACED IN DUMPSTER OR AS  
DIRECTED BY BUILDER
- \_\_\_\_\_ PLUMBING VENT PIPE CROSSOVERS CONNECTED
- \_\_\_\_\_ CHECK ALL MARRIAGE WALL AREAS IN ATTIC AND UNDER FLOOR FOR  
PLUMBING AND ELECTRICAL CONNECTIONS

## OPTIONS:

- \_\_\_\_\_ CONNECT VENTED RANGE HOOD PIPE IN ATTIC

## CAPE COD UPPER LEVEL, AND MULTI SECTION RANCH ATTICS

- \_\_\_\_\_ CHECK ALL FLOOR JOIST/RAFTER CAVITIES AT M/W CAREFULLY FOR  
CONNECTIONS
- \_\_\_\_\_ CONNECT ELECTRICAL AMP CONNECTOR CROSSOVERS
- \_\_\_\_\_ CONNECT BATH FAN VENT CROSSOVER WHEN APPLICABLE
- \_\_\_\_\_ INSTALL KNEE WALL STUDS AND COLLAR TIES AFTER STRINGING RAFTERS  
(UNFINISHED CAPE COD)
- \_\_\_\_\_ NAIL RIDGE BEAM TOGETHER (UNFINISHED CAPE COD)

## INTERIOR FINISH GUIDE

### FLOOR FILLER

- A. Check posts (if basement) for plumb. String from one end of house to other to check for level. Check marriage beam for level from one module to the other. It may be necessary to:
  - 1. Shim low side (or shim piers if crawlspace).
  - 2. Jack up low side module and/or install bolts at an angle to better hold floor level.
- B. Clean area where floor filler is to be installed.
- C. Cut floor filler to length and width and set in place. Floor filler should be flush on both sides of marriage wall.
  - NOTE:** Beam joists and shipping materials may have to be chiseled or sanded, to allow floor filler to lie flat.
- D. Screw filler down with minimum 1¾" flare head screws (or equivalent) 6" O.C. into beam.

### MARRIAGE WALL ARCHWAY

- A. Remove all shipping materials; remove top plates when beam is raised (flush ceiling).
- B. Be sure archways are square and wall thickness is consistent top to bottom.
- C. Insulate and plate (minimum of 3 plates on each side).
- D. Shim opening (if necessary) for drywall installation.
  - 1. Opening should be square when applying around a corner.
  - 2. Drywall should be flat when applying to a continuous wall or flush ceiling.
- E. Apply drywall.
- F. Install corner bead.
  - 1. Be sure corner bead is installed straight.
  - 2. On bottom of beams level and square corner bead.
- G. Top coat to a feathered edge, sand, and paint.
- H. Blend in texture on flush ceilings with texture brush.

### DRYWALL ARCHES AND REPAIRS

- A. Stress Cracks – Using a utility knife:
  - 1. "V" – out drywall cracks wide enough and deep enough to remove all loose material.
  - 2. Prefill as needed. Apply a thin coat of mud over drywall tape. Avoid excess mud buildup on areas being repaired.
  - 3. Apply topping compound to a feathered edge.
  - 4. Sand all areas repaired.
  - 5. Using a half-inch nap roller, paint repaired areas. Painted areas should have a slight textured orange peel effect to match the areas painted at plant.
- B. Hairline cracks in corners
  - 1. Apply thin coat of painter's latex caulk.

### C. Nail/Screw Pops

1. Scrape mud from screw head; turn screw in further if protruding past surface of drywall.  
**DO NOT HIT WITH HAMMER.**
2. If drywall is not tight to wall, nail or screw tight.
3. Pre-fill
4. Top coat, sand, and paint.
5. If nails are not filled complete (leaving a dimple), Repeat.

### INSTALL DOORS AND CASED OPENINGS

- A. Using batt insulation or expandable foam, insulate between marriage walls, floor, and header.
  - B. Install 3 (or approximately every 2') 3" x 5" metal gussets to one side of marriage wall using roofing nails or staples.
  - C. Clamp or shim as necessary so wall will be parallel. Finished measurement should not exceed  $7\frac{5}{8}$ " or be less than 7" for split jamb to be installed properly. Nail or staple second side as above.
  - D. Check print for size and swing of door required and get door from storage area.
  - E. Cut or remove cardboard gussets from split jamb.
  - F. Remove female (door) side of jamb and install in opening. Door jambs should rest on flooring.
  - G. Plumb door in opening and shim hinged side in 3 places (at hinge heights).
  - H. Tack hinge side in place.
  - I. Shim strike plate side of jamb in three places at hinge heights using long screw at strike plate for stable latch operation.
  - J. Check gap-door to frame at top and strike plate side of jamb.
  - K. Tack into place.
  - L. Install male jamb and align.
  - M. Nail into place using four or five trim nails per side through casing into stud.
- NOTE:** When using pin nailer, nail approximately 12 inches apart and at each corner.
- N. Install knobs; privacy on Master Bedroom and all Baths; passage elsewhere.

### INSTALL BI-FOLD/BYPASS DOORS AND BALANCE OF TRIM

**NOTE:** Bypass track is installed at plant. For shipping purposes the doors are shipped loose. Bifold doors are also shipped loose. Doors must be installed and adjusted on site.

- A. Determine proper door for opening.
- B. For marriage wall installation:
  1. Prepare by insulating, plating, and shimming opening as required.
  2. Install white panel strips.
  3. Install outside corner moulding on closet side of door opening.

### FINISH TRIM

- A. Splicing two pieces - cut on 45° angle to match plant cuts or to join two pieces together.
- B. Single piece cut between doors. Cut to length.
- C. Nail trim tight to the wall.

**NOTE:** Care should be taken to make proper fit on all joints.

## **ADJUST INTERIOR DOORS**

- A. Square door with jamb and nail as per door installation instructions.
  - 1. Minor adjustments can be made using long adjustment screws.
  - 2. Major adjustments may require the door to be removed and reinstalled.

## **ADJUST EXTERIOR DOORS**

- A. Remove door casing.
- B. Install shims on hinge side of door to plumb.
- C. Use 3" screws to tighten door to shims (top and bottom hinges only).
- D. Check door to frame reveal at top, bottom, and strike plate side. Reveal should be consistent.
- E. Shim strike plate side of door. Use long screws at strike plate.
- F. Check for insulation – should be installed between door frames, studs, and header. Insulate if necessary.
- G. Install door casing.
- H. Check strike plate for proper adjustment. Half-moon security piston must NOT slip into strike plate.
- I. Install dead bolt where applicable.
- J. With door closed, dead bolt should work freely.
- K. Caulk brickmould to door jamb prior to painting if not already done (If jamb, brickmould and slab are primed they need to be painted within 60 days).

## **CHECK WINDOWS**

- A. Check for square; spray track with silicone spray if needed.
- B. Install screens.

## **UNFINISHED CAPE UPPER LEVEL: CHECK EACH FLOOR JOIST CAVITY THOROUGHLY FOR PLUMBING OR ELECTRICAL CROSSOVERS**

- A. Verify blocking is up to the top of floor joist and secure.
- B. Floor deck installation – the first pieces of decking must be installed under the gable end walls, extending to outside of end joists.
- C. Seal return air chase to be airtight if it crosses from front to back through floor joists.
  - 1. Cut decking to fit.
  - 2. Set cut piece of decking in opening as close to end wall as possible and slide under end wall and over end wall floor joist. Nail into place using 10-D-nails 3" O.C.
  - 3. Cut to width balance of floor decking and install using glue and nails ensuring that the cut-off edge is supported by blocking between the joists.
- D. Collar tie installation: (ALIGN ANY BOWED RAFTERS FIRST).
  - 1. Install gable end collar tie to each end at height of dormer walls or stairway.
  - 2. Check rafters (string to rafter) for variations. Rafters should not vary more than + or – ¼".
  - 3. If variations exceed the above limits, check upper hinge for drooping or foreign material between upper and lower rafter butt joint. High or low rafters may have to be cut, moved, and 2" x 6" x 4' gussets applied.
  - 4. After rafters are aligned, install remainder of collar ties by using string.
  - 5. Nail to side of rafters using ten 10-D nails or fourteen Q25 staples. Collar ties should be nailed to the same side of rafters throughout whenever possible.

6. Installation on the opposite side of rafters may occur in dormer, stair and special requirement areas.

7. When installing collar ties in the dormer area, cut a bird's mouth in one end to be nailed in the dormer header. The other end will be nailed to the side of the rafter. Collar tie will be toenailed to the dormer header and secured with MP-34 joist hangers from parts kit in house.

**NOTE:** Collar ties and knee wall studs must be nailed in a pattern without splitting ends.

**E. Knee wall installation: 2" x 4" material.**

1. Place a knee wall stud at each end of house at the edge of existing plywood. Plumb and nail to side of floor joist and rafter. Place a string from each stud. Install remainder of knee wall studs using the string as the end studs. Nail to side of floor joist and rafters using eight 10-D nails or fifteen Q25 staples each end. Studs should be nailed to the same side of rafters whenever possible. Some variations will occur at dormer, stair, and special requirements areas.

2. Nail ridge beams using together 10-D nails 6" O.C.

**F. Stair wall installation and finish.**

1. 4 Pre-framed walls are shipped with house. Install square and plumb at stair opening. Some on-site framing may need to be done.

2. Using 2" x 4" materials build ceiling over flat part of stairway.

3. Insulate ceiling over enclosed stairwells. Install baffles between roof decking and insulation for ventilation.

4. Install drywall to ceiling and inside of enclosed stairwells.

5. Mud, tape and sand to a finished condition.

6. Texture angled ceiling and flat ceiling when applicable.

7. Paint sidewalls

8. Install handrail as per state codes – Measured from the nose of the stairs to the centerline of the handrail, tape being in a plumb position, height is to be 34" – 38" or same height as decorail installed at factory.

9. Install using three handrail brackets screwed into studs. Install opposite side of decorative spindle rail.

**G.** Seal return air chase to be air tight if it crosses from front to back through floor joists.

**H.** Install return air flex duct where applicable.

**CRAWL: CHECK ENTIRE LENGTH FOR ELECTRICAL CROSSOVERS**

**A.** Level floor.

**B.** Insulate marriage beam between halves of house with foam sealant or batt insulation.

**C.** Install beam bolts in pre-drilled holes approximately 4' O.C.

**BASEMENT: CHECK ENTIRE LENGTH FOR ELECTRICAL CROSSOVERS**

- A. Plumb posts.
- B. Level floor.
- C. Insulate marriage beam between halves of house with foam sealant or batt insulation.
- D. Install beam bolts in pre-drilled holes approximately 4' O.C.
- E. Install OSB beam cover strips between posts.

**ATTIC**

- A. Check that all wire connections have been made between all modules.
- B. Check for and hook up plumb vent crossovers and extensions.
- C. Connect vented range hood pipe (if applicable) to terminal in roof, use insulated flex duct (supplied) around pipe to prevent condensation in pipe. Pipe should be screwed & taped at seams.

# EXTERIOR FINISH CHECKLIST

**BUILDER** \_\_\_\_\_ **JOB** \_\_\_\_\_ **CREW** \_\_\_\_\_

- \_\_\_\_\_ NAIL HOUSE TO SILL PLATE
- \_\_\_\_\_ FOAM/SEAL STRAP NOTCHES IN RIM JOIST AND HOUSE TO SILL PLATE
- \_\_\_\_\_ FOAM/SEAL ALL OPEN MATING WALL JOINTS ON EXTERIOR OF HOUSE, ESPECIALLY BELOW GASKET - APPROX 18"
- \_\_\_\_\_ INSTALL DRIP EDGE AND SHINGLES AS NEEDED
- \_\_\_\_\_ NAIL SHINGLES AT HINGE POINTS THRU NAILING AREA (RANCH & 2-STORY)
- \_\_\_\_\_ CONNECT BATH FAN VENT HOSES TO SOFFIT TERMINALS
- \_\_\_\_\_ CUT/REMOVE PLASTIC FROM EAVES FOR VENTILATION (IF NOT DONE AT SET)
- \_\_\_\_\_ INSTALL SOFFIT & FASCIA
- \_\_\_\_\_ INSTALL SIDING STARTER STRIP, OUTSIDE CORNERS, & BOTTOM ROW OF SIDING
- \_\_\_\_\_ NAIL OFF GABLE END SHEATHING & INSTALL HOUSEWRAP (IF NOT DONE AT SET)
- \_\_\_\_\_ INSTALL SIDING ON ENDS AND WHERE APPLICABLE
- \_\_\_\_\_ INSTALL PLUMB VENT EXTENSIONS IN ATTIC
- \_\_\_\_\_ INSTALL COACHLIGHTS

**OPTIONS:**

- \_\_\_\_\_ ENERGY BOARD

**UNFINISHED 2 BOX CAPE COD:**

- \_\_\_\_\_ FOAM ALL MATING WALL BEAM CAPE UPPER LEVEL
- \_\_\_\_\_ DORMERS
- \_\_\_\_\_ CHECK END WALL-ALIGN & NAIL OFF END WALL SHEATHING (IF NOT DONE AT SET)
- \_\_\_\_\_ REMOVE TEMPORARY PCS OF D-EDGE AT TOP 4' AND REPLACE WITH NEW

**ACCEPTED BY BUILDER** \_\_\_\_\_ **DATE** \_\_\_\_\_



## EXTERIOR FINISH GUIDE

### NAIL HOUSE TO SILL PLATE

A. Use 20d hot-dipped galvanized or stainless sinkers at 16" O.C. or 16d hot-dipped galvanized or stainless (including typical 3½" air gun nails) at 6" O.C. around perimeter of house, driven in at a 45° angle through rim joist into sill plate.

### FOAM STRAP NOTCHES IN RIM JOIST AND CAULK HOUSE TO FOUNDATION

A. Fill strap notches with foam sealant or batt insulation. If batt insulation is used, cover notch with scrap piece of fascia or sheet metal and caulk tight. Since foam does not hold well without ¼" or wider crack, caulk entire perimeter of house to sill plate.

### FOAM/SEAL MATING WALL JOINTS ON END OF HOUSE

A. Peel house wrap back at bottom of marriage wall joint. Use foam sealant or batt insulation to fill void and then re-fasten house wrap. If boxes are tight enough, caulk can also be used.

### INSTALL DRIP EDGE AT HINGE POINTS AND TRIM SHINGLES

(May be done by set crew)

A. At gable end peaks, cut piece long enough to overlap both sides by 1". Notch center of drip leg, bend to fit, and fasten with colored aluminum nails.

The top 4' of 2-box cape cods is face-nailed at plant for removal and installation of new after peaks are lined up.

B. At ends of flipped eaves and at hinge points, cut to provide 1" overlap. Slide in so that all joints are running downhill and fasten.

### NAIL, LAG, SHINGLE OVERHANG; NAIL DECKING, SHINGLES AT HINGE (STAPLE DESIGNATION BASED ON SENCO FASTENERS)

(May be done by set crew)

A. Locate rafter heels below overhang hinge point. Nail through overhang roof deck into each rafter heel with two 10d nails or two Q-19 staples.

B. Overhang bolts are already in place. Using ratchet with extension and 9/16 Socket, turn lags until snug against 2x6 block in overhang.

**DO NOT OVERTIGHTEN!! SOCKET SIZE: 9/16**

C. (CAPE CODS) Lag bolts located in box of parts in house. Find notches in starter row of shingles. Poke through tarpaper/ ice dam and lag through block into double top plate of wall. **DO NOT OVERTIGHTEN!!**

D. Nail one row of shingles at nail lines at hinge points on all models.

### **INSTALL SOFFIT AND FASCIA WHERE NECESSARY MAKING SURE ALL PLASTIC IS REMOVED FOR VENTILATION**

- A. General construction methods apply. Nail off gable end sheathing, run soffit, install fascia being careful not to kink it or create waves.
- B. It is the responsibility of the finish crew to replace any overhang material damaged during delivery and set.

### **INSTALL SIDING STARTER STRIP, OUTSIDE CORNERS, AND BOTTOM ROW OF SIDING**

- A. Using two pieces of siding approximately one foot long as a gauge, hook into second row of siding and then hook starter strip into gauge, nailing approximately 8" O.C. in a stagger pattern. Space starter strips 1/2" at ends.
- B. Install siding corners by notching around boxed eave; allow 3/4" gap at top under soffit line for vinyl j-channel. Allow siding corner to hang 1" below bottom row of siding.
- C. Remove shipping tabs and install bottom row of siding by locking into starter strip, nailing 16" O.C. into studs, and locking in second row. Be sure spacing and direction of laps are consistent with factory-installed siding on front and back.

### **INSTALL SIDING ON GABLE ENDS**

- A. Determine proper direction of laps in relation to front of house.
- B. Fasten using siding stapler or roofing nails at 16" O.C. into studs per manufacturer specs. Avoid having a lap at marriage wall joint.
- C. Be sure siding height matches around corners.
- D. Install shutters if applicable (see production order).

### **INSTALL PLUMBING VENT EXTENSION**

- A. 5/12, 7/12, and 10/12 roof pitches all require extensions to be installed to comply with code. Extensions are shipped loose in house along with 2 elbows per vent. Use PVC glue to attach, making sure vent pipe is plumb. Check for any crossover connections in attic from front to rear ensuring slope for drain.

### **CONNECT BATH FAN VENT TO SOFFIT TERMINAL**

- A. Remove terminal from soffit, reach into heel area of rafter cavity, pull hose out through hole, cut off excess, and attach to terminal with duct tape.
- B. Reinstall terminal in soffit.

## **INSTALL COACH LIGHTS**

A. Assemble coach lights and rear door lights and install. Refer to production order for locations of each.

## **OPTIONS:**

### **HOUSE WRAP**

A. Install house wrap at all exterior walls and dormers under siding or energy board. Some local codes require house wrap under ALL siding.

B. Fasten securely to OSB with as few overlaps as possible. Printing should be facing out, away from house.

**ENERGY BOARD** (Install after house is nailed down and caulked to sill plate)

**FRONT AND BACK** - Allow energy board to overlap top of foundation wall by ½" and fasten with cap nails or wide crown staples.

**GABLE ENDS** - Install soffit and insulate marriage wall joint prior to energy board on gable ends.

### **WINDOW SURROUNDS**

A. Should be installed after window flashing tape.

### **FIREPLACE FLUES AND/OR TERMINATIONS**

A. Refer to manufacturer's instruction included with fireplace.

**LEAVE INSTRUCTION IN FIREBOX FOR HOMEOWNER!!**

## **UNFINISHED CAPE COD:**

### **DORMERS**

A. Verify pre-framed openings, dormer walls, and dormer rafters for correct size.

B. Cut out pre-framed rough opening.

C. Remove nails from shingles approximately 6" from edge to allow for step flashing.

D. Set sidewalls in place, followed by front wall. Nail corners 12" O.C. with D. Set sidewalls in place, followed by front wall. Nail corners 12" O.C. with 16d nails.

E. Nail walls to floor using two 16d nails in each stud cavity.

F. Nail sidewalls through OSB sheathing into house rafter in the same manner.

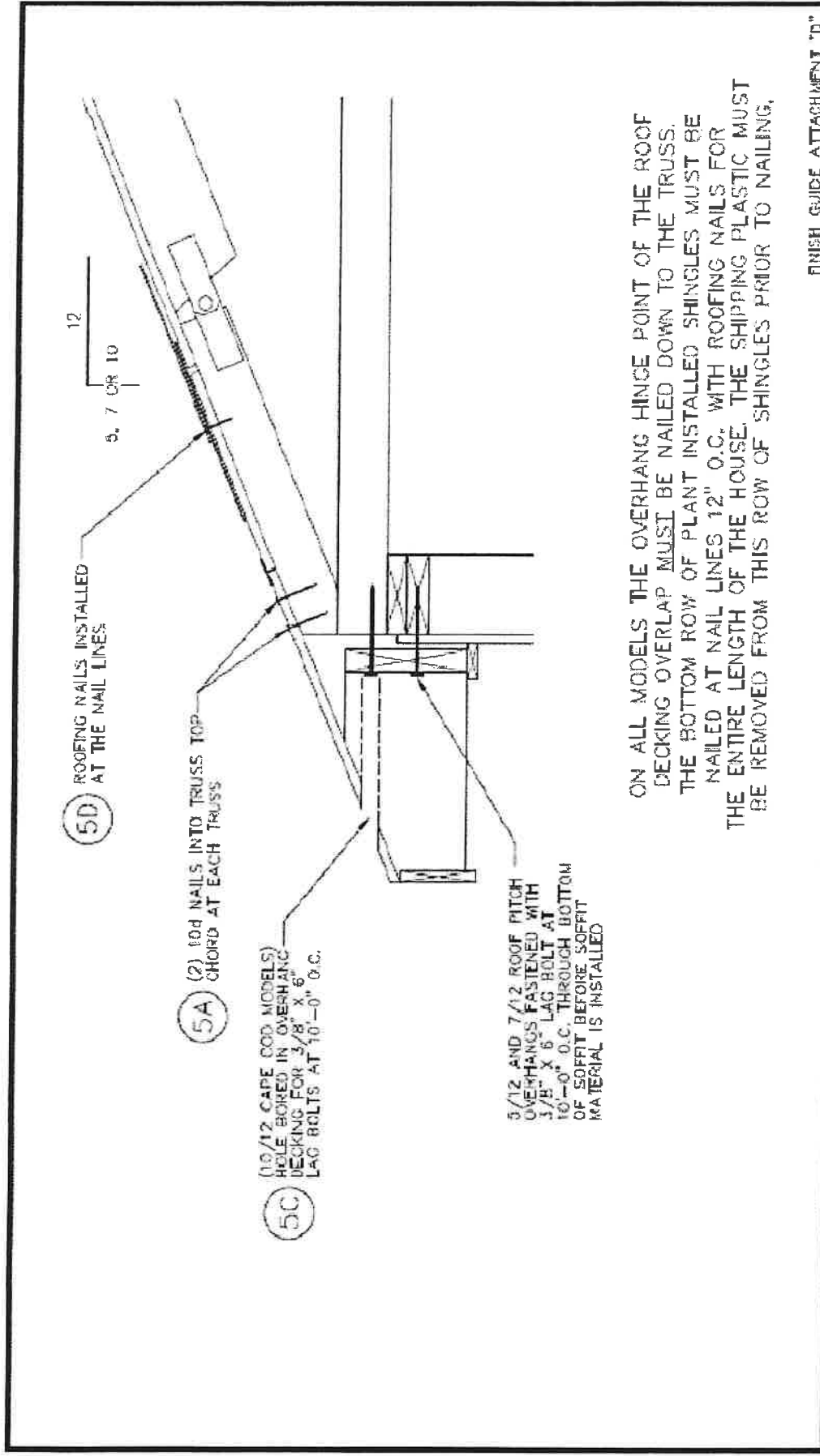
G. Cut top plates to length, extending to house rafters with 10/12 pitch on end for tight fit.

H. Build in triangle wing wall with sheathing on outside.

- I. Install rafters 24" O.C. (60 lb. snow load requires 16" O.C.) starting from front wall of dormer. Toenail in place with 16d at heel and brace.
- J. Install saddle as per general construction method.
- K. Cut shingles along saddle and pull nails to allow ice dam in valley to be installed under house shingles as minimum of 16".
- L. Cut and install 2 x 6 fascia board.
- M. Install sheathing on dormer roof, followed by ice dam in valley, then felt and d-edge.
- N. Shingle roof, lacing half of shingle under house shingles.
- O. Install front flashing, step flashing, and soffit wind baffles exactly as shown on FINISH GUIDE ATTACHMENT "A".
- P. Install window, caulking behind nailing flange.
- Q. Install house wrap or energy board, if ordered.
- R. Apply window flashing tape.
- S. Install vinyl j-channel and siding corners as per attached sheet.
- T. Install siding, soffit, and fascia.
- U. Cut 12" x 12" hole in house roof so ventilation can flow from attic of dormer into attic of house.

#### **CHECK END WALL ALIGNMENT AND NAIL END WALL SHEATHING**

- A.** Check upper level end wall for plumb and also for tightness to end rafter of house.



5D ROOFING NAILS INSTALLED AT THE NAIL LINES

5A (2) 60d NAILS INTO TRUSS TOP CHORD AT EACH TRUSS

5C (10/12 CAPE COD MODELS) HOLE BORED IN OVERHANG DECKING FOR 3/8" X 6" LAG BOLTS AT 10'-0" O.C.

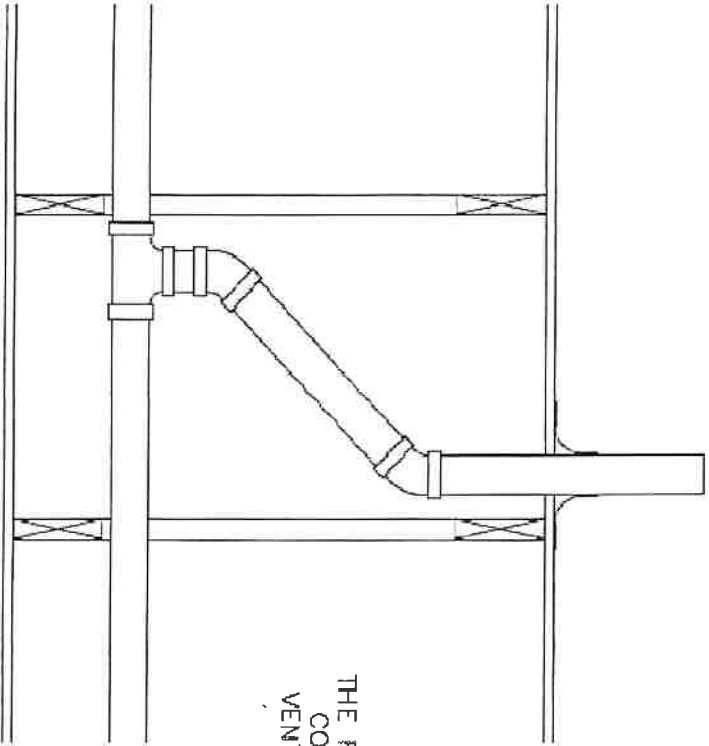
3/12 AND 7/12 ROOF PITCH OVERHANGS FASTENED WITH 3/8" X 6" LAG BOLT AT 10'-0" O.C. THROUGH BOTTOM OF SOFFIT BEFORE SOFFIT MATERIAL IS INSTALLED

ON ALL MODELS THE OVERHANG HINGE POINT OF THE ROOF DECKING OVERLAP MUST BE NAILED DOWN TO THE TRUSS. THE BOTTOM ROW OF PLANT INSTALLED SHINGLES MUST BE NAILED AT NAIL LINES 12" O.C. WITH ROOFING NAILS FOR THE ENTIRE LENGTH OF THE HOUSE. THE SHIPPING PLASTIC MUST BE REMOVED FROM THIS ROW OF SHINGLES PRIOR TO NAILING.

FINISH GUIDE ATTACHMENT "D"

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF HECKMANN HOMES AND MAY NOT BE USED WITHOUT THEIR CONSENT.	 HECKMANN HOMES NAHAMEL, UTAH 84050	MODEL: PANCH & 2 STORY SCALE: 1/2" = 1'-0"	DATE: 10-4-2000	SHEET:
			FILE #	DWG #

FINISH GUIDE ATTACHMENT "D"



THE ROOF BOOTS FOR PLUMBING VENTS ON ALL CAPE COD MODELS ARE OFFSET FROM THE TEE IN THE VENT SYSTEM. ELBOWS AND PIPE ARE SHIPPED FOR INSTALLATION ON SITE BY OTHERS.

**FINISH GUIDE ATTACHMENT "E"**

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CRACKLESH BUILDING SYSTEMS, INC.  
4175 HECKAMAN HOMES  
NAPERVILLE, ILLINOIS 60550



REVISED

PLUMBING VENT  
OFFSET THRU ROOF

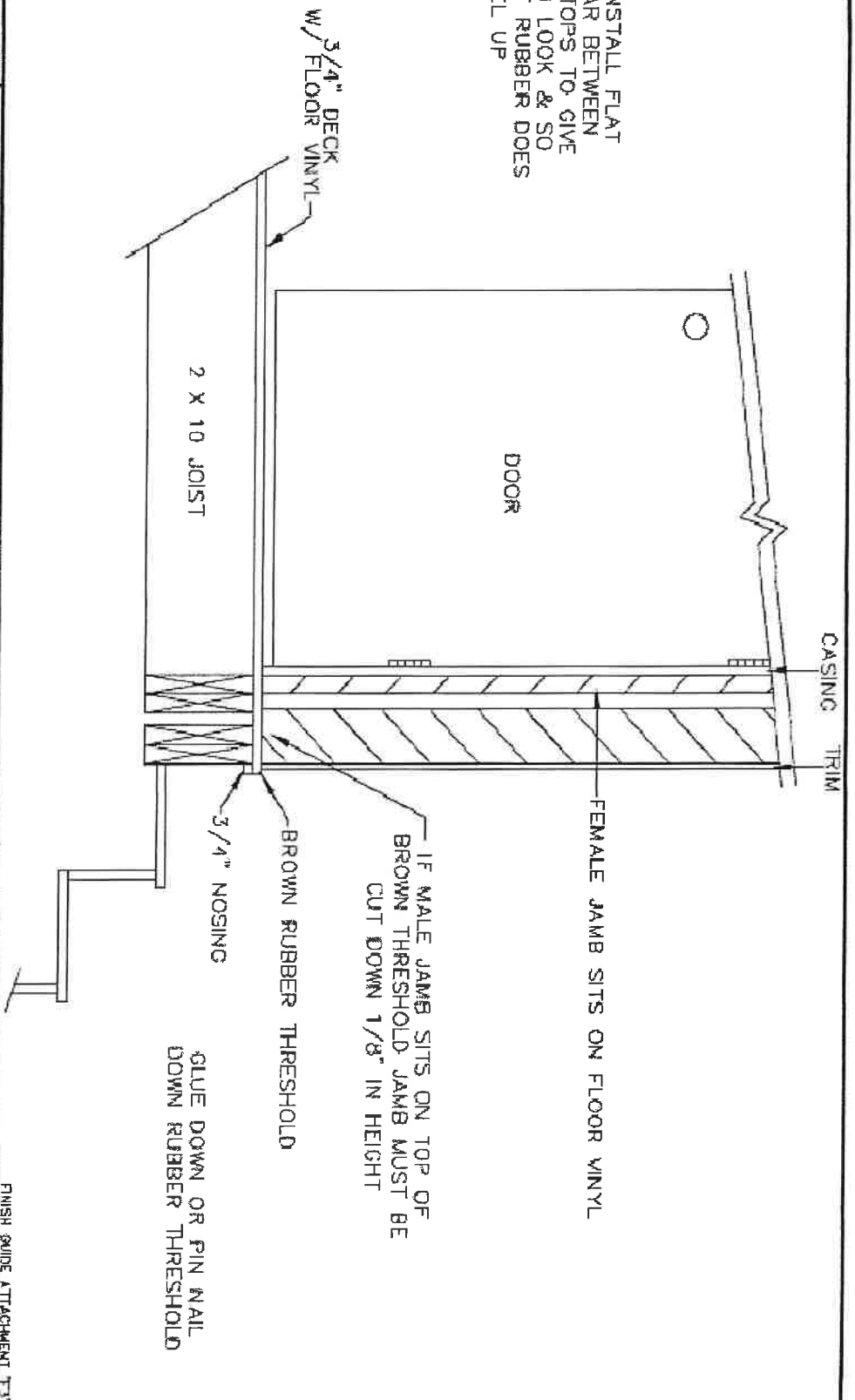
WELD: CAPE COD MODELS  
SCALE: 1 1/2" = 1'-0"

JOB #  
DRAW #  
DATE: 10-12-2000

PLC & STEVE-OR.  
DRAWN BY: R. D.  
CHECKED BY:

**FINISH GUIDE ATTACHMENT "E"**

NOTE: INSTALL FLAT GOLD BAR BETWEEN DOOR STOPS TO GIVE FINISHED LOOK & SO EDGE OF RUBBER DOES NOT PEEL UP



IF MALE JAMB SITS ON TOP OF BROWN THRESHOLD JAMB MUST BE CUT DOWN 1/8" IN HEIGHT

GLUE DOWN OR PIN NAIL DOWN RUBBER THRESHOLD

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HECKAMAN BUILDING SYSTEMS, INC.  
4760 HECKAMAN HOMES  
NORFOLK, VIRGINIA 23502



EXTERIOR

MARRIAGE WALL  
DOOR JAMB  
BEHIND

MODEL ALL MODEL'S  
SCALE N.T.S.

FINISH GUIDE ATTACHMENT T-3

DATE	REV	BY	CHKD
1-15-02	1	S.V.V.	
PAGE		1	

FINISH GUIDE ATTACHMENT "F3"

## EXTERIOR FINISH GUIDE

### NAIL HOUSE TO SILL PLATE

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### FOAM STRAP NOTCHES IN RIM JOIST AND CAULK HOUSE TO FOUNDATION

A. Fill strap notches with foam sealant or batt insulation. If batt insulation is used, cover notch with scrap piece of fascia or sheet metal and caulk tight. Since foam does not hold well without ¼" or wider crack, caulk entire perimeter of house to sill plate.

### FOAM/SEAL MATING WALL JOINTS ON END OF HOUSE

A. Peel house wrap back at bottom of marriage wall joint. Use foam sealant or batt insulation to fill void and then re-fasten house wrap. If boxes are tight enough, caulk can also be used.

### INSTALL DRIP EDGE AT HINGE POINTS AND TRIM SHINGLES

(May be done by set crew)

A. At gable end peaks, cut piece long enough to overlap both sides by 1". Notch center of drip leg, bend to fit, and fasten with colored aluminum nails.

The top 4' of 2-box cape cods is face-nailed at plant for removal and installation of new after peaks are lined up.

B. At ends of flipped eaves and at hinge points, cut to provide 1" overlap. Slide in so that all joints are running downhill and fasten.

### NAIL, LAG, SHINGLE OVERHANG; NAIL DECKING, SHINGLES AT HINGE (STAPLE DESIGNATION BASED ON SENCO FASTENERS)

(May be done by set crew)

A. Locate rafter heels below overhang hinge point. Nail through overhang roof deck into each rafter heel with two 10d nails or two Q-19 staples.

B. Overhang bolts are already in place. Using ratchet with extension and 9/16 Socket, turn lags until snug against 2x6 block in overhang.

**DO NOT OVERTIGHTEN!! SOCKET SIZE: 9/16**

C. (CAPE CODS) Lag bolts located in box of parts in house. Find notches in starter row of shingles. Poke through tarpaper/ ice dam and lag through block into double top plate of wall. **DO NOT OVERTIGHTEN!!**

D. Nail one row of shingles at nail lines at hinge points on all models.



### **INSTALL SOFFIT AND FASCIA WHERE NECESSARY MAKING SURE ALL PLASTIC IS REMOVED FOR VENTILATION**

- A. General construction methods apply. Nail off gable end sheathing, run soffit, install fascia being careful not to kink it or create waves.
- B. It is the responsibility of the finish crew to replace any overhang material damaged during delivery and set.

### **INSTALL SIDING STARTER STRIP, OUTSIDE CORNERS, AND BOTTOM ROW OF SIDING**

- A. Using two pieces of siding approximately one foot long as a gauge, hook into second row of siding and then hook starter strip into gauge, nailing approximately 8" O.C. in a stagger pattern. Space starter strips 1/2" at ends.
- B. Install siding corners by notching around boxed eave; allow 3/4" gap at top under soffit line for vinyl j-channel. Allow siding corner to hang 1" below bottom row of siding.
- C. Remove shipping tabs and install bottom row of siding by locking into starter strip, nailing 16" O.C. into studs, and locking in second row. Be sure spacing and direction of laps are consistent with factory-installed siding on front and back.

### **INSTALL SIDING ON GABLE ENDS**

- A. Determine proper direction of laps in relation to front of house.
- B. Fasten using siding stapler or roofing nails at 16" O.C. into studs per manufacturer specs. Avoid having a lap at marriage wall joint.
- C. Be sure siding height matches around corners.
- D. Install shutters if applicable (see production order).

### **INSTALL PLUMBING VENT EXTENSION**

- A. 5/12, 7/12, and 10/12 roof pitches all require extensions to be installed to comply with code. Extensions are shipped loose in house along with 2 elbows per vent. Use PVC glue to attach, making sure vent pipe is plumb. Check for any crossover connections in attic from front to rear ensuring slope for drain.

### **CONNECT BATH FAN VENT TO SOFFIT TERMINAL**

- A. Remove terminal from soffit, reach into heel area of rafter cavity, pull hose out through hole, cut off excess, and attach to terminal with duct tape.
- B. Reinstall terminal in soffit.

## **INSTALL COACH LIGHTS**

A. Assemble coach lights and rear door lights and install. Refer to production order for locations of each.

## **OPTIONS:**

### **HOUSE WRAP**

A. Install house wrap at all exterior walls and dormers under siding or energy board. Some local codes require house wrap under ALL siding.

B. Fasten securely to OSB with as few overlaps as possible. Printing should be facing out, away from house.

### **ENERGY BOARD** (Install after house is nailed down and caulked to sill plate)

**FRONT AND BACK** - Allow energy board to overlap top of foundation wall by ½" and fasten with cap nails or wide crown staples.

**GABLE ENDS** - Install soffit and insulate marriage wall joint prior to energy board on gable ends.

### **WINDOW SURROUNDS**

A. Should be installed after window flashing tape.

### **FIREPLACE FLUES AND/OR TERMINATIONS**

A. Refer to manufacturer's instruction included with fireplace.

**LEAVE INSTRUCTION IN FIREBOX FOR HOMEOWNER!!**

## **UNFINISHED CAPE COD:**

### **DORMERS**

A. Verify pre-framed openings, dormer walls, and dormer rafters for correct size.

B. Cut out pre-framed rough opening.

C. Remove nails from shingles approximately 6" from edge to allow for step flashing.

D. Set sidewalls in place, followed by front wall. Nail corners 12" O.C. with D. Set sidewalls in place, followed by front wall. Nail corners 12" O.C. with 16d nails.

E. Nail walls to floor using two 16d nails in each stud cavity.

F. Nail sidewalls through OSB sheathing into house rafter in the same manner.

G. Cut top plates to length, extending to house rafters with 10/12 pitch on end for tight fit.

H. Build in triangle wing wall with sheathing on outside.

- I. Install rafters 24" O.C. (60 lb. snow load requires 16" O.C.) starting from front wall of dormer. Toenail in place with 16d at heel and brace.
- J. Install saddle as per general construction method.
- K. Cut shingles along saddle and pull nails to allow ice dam in valley to be installed under house shingles as minimum of 16".
- L. Cut and install 2 x 6 fascia board.
- M. Install sheathing on dormer roof, followed by ice dam in valley, then felt and d-edge.
- N. Shingle roof, lacing half of shingle under house shingles.
- O. Install front flashing, step flashing, and soffit wind baffles exactly as shown on FINISH GUIDE ATTACHMENT "A".
- P. Install window, caulking behind nailing flange.
- Q. Install house wrap or energy board, if ordered.
- R. Apply window flashing tape.
- S. Install vinyl j-channel and siding corners as per attached sheet.
- T. Install siding, soffit, and fascia.
- U. Cut 12" x 12" hole in house roof so ventilation can flow from attic of dormer into attic of house.

#### **CHECK END WALL ALIGNMENT AND NAIL END WALL SHEATHING**

- A. Check upper level end wall for plumb and also for tightness to end rafter of house.