



Sales Representative Information:

Name: _____
Address: _____
City: _____
State: _____
Phone: _____
Fax: _____
E-mail: _____

Timberhaven is pleased to present this estimate for

Customer:

Name: Customer _____
Address: _____
City: _____
State: _____ Zip Code: _____
Primary Phone: _____
Other Phone: _____
E-mail: _____

Model / Design Type:

Model: Std. Keystone II _____
Design Type: Basic _____

Building Site:

Address: _____
City: _____
County: _____
State: PA _____
Country: USA _____

Material estimate number: E0000

Estimate expiration date: August 31, 2018

Material estimate date: August 1, 2018

Log & Timber Package:

Weathertight Package:

Finish Package: _____

Complete Package Price:

ADDED FEATURES

- *The industry's Best Quality Assurance Programs: 'Complete' Package Guarantee and Lifetime Warranty.*
- *Kiln-dried Engineered Log & Timber Components (9% average moisture content) provide superior strength and stability with little to no checking, warping, or twisting to our logs or timbers in our NON-settling systems.*
- *Kiln-dried Graded / Certified Engineered logs are produced / inspected under a continuous in-plant quality control process audited by third party agencies, PFS-TECO Corporation and the Log and Timber Homes Council. A Certificate of Inspection is provided with each log home package.*
- *Custom Design Assistance (FREE) available to help you create your unique log or timber frame home design based on your personal lifestyle.*
- *Engineering Services offered include stamped plans, beam sizings, energy calculations, etc. specific to your plan as required to support the permitting processes.*
- *Detailed Construction Manual and Construction / Assembly Plans provided for both our PRE-CUT log and timber frame packages to enhance the speed and accuracy of the building process.*
- *Name Brand Components such as Andersen and Therma-Tru are standard in every package.*
- *Pre-cut, Pre-sorted, Inverse Stacking of your log or timber frame components ensures a timely on-site construction process.*
- *Delivery Included at NO additional charge anywhere in the Continental U.S.*
- *Multi-Stage Deliveries provided to protect your home's materials /components from weather damage, theft and / or when working with challenging site conditions.*
- *Double-Protected Packages include carefully wrapped material bundles and tarped delivery trucks to help protect your materials from the elements during and after delivery.*
- *Construction and Planning Workshops (FREE) are a perfect way to expand your overall log and timber frame knowledge, tour our facility and meet our experienced staff.*
- *Contractor Workshops (FREE) provided on a one-on-one basis for your builder (and his crew) to assure a confident, timely and smooth construction process.*
- *Toll-Free Technical Assistance / Customer Service Hotline staffed by our experienced staff to get your questions answered before, during and after the construction process.*
- *Nationwide Representative Network includes the assurance of a trained professional to guide you along each step of the process.*

AREA DESCRIPTIONS (REFER TO SKETCH)

AREA #1							
1. Parameters	Foundation size	46' x 28'	Location	Main	Courses to square	16	
2. Exterior	Log/Profile	6x8 D	Species	Engineered White Pine	Corners	Mortise & Tenon	
	Gables	Left Log Siding	Gables	Right Log			
3. Interior	2nd floor at	14 th Course	2nd floor stairs	Finish	Bsmt stairs	Basement	
	2nd floor over	Bedrooms, Bath & Kitchen	Cathedral over	Dining & Living Room	Exposed Beams	None	
4. Roof	Roof style	2x Cathedral	Pitch	10 /12	Collar ties	6x8	
5. Dormer #1	Size/Type	14'-9" Gable	Location	Front	Courses to square	12	
	Log/Profile	2x8 D	Species	Engineered White Pine	Corners	Mortise & Tenon	
	Roof style	2x Cathedral	Pitch	8 /12	Collar ties	6x8	
Dormer #2	Size/Type	34'-11" Shed	Location	Rear	Courses to square	12	
	Log/Profile	2x8 D	Species	Engineered White Pine	Corners	Mortise & Tenon	
	Roof style	2x Cathedral	Pitch	4 /12	Collar ties	6x8	
6. Porch #1	Size	20' x 8'	Location	Front	Deck #1 Size	8' x 36'	
	Roof style	Shed w/ Flat Ceiling	Pitch	5 /12	Location	Left	
Porch #2	Size	x	Location		Deck #2 Size	24' x 12'	
	Roof style		Pitch	/12	Location	Rear	
7. Notes:							

AREA #2							
1. Parameters	Foundation size	x	Location		Courses to square		
2. Exterior	Log/Profile		Species		Corners		
	Gables		Gables				
3. Interior	2nd floor at	th Course	2nd floor stairs		Bsmt stairs		
	2nd floor over		Cathedral over		Exposed Beams		
4. Roof	Roof style		Pitch	/12	Collar ties		
5. Dormer #1	Size/Type		Location		Courses to square		
	Log/Profile		Species		Corners		
	Roof style		Pitch	/12	Collar ties		
Dormer #2	Size/Type		Location		Courses to square		
	Log/Profile		Species		Corners		
	Roof style		Pitch	/12	Collar ties		
6. Porch #1	Size	x	Location		Deck #1 Size	x	
	Roof style		Pitch	/12	Location		
Porch #2	Size	x	Location		Deck #2 Size	x	
	Roof style		Pitch	/12	Location		
7. Notes:							

AREA #3							
1. Parameters	Foundation size	x	Location		Courses to square		
2. Exterior	Log/Profile		Species		Corners		
	Gables		Gables				
3. Interior	2nd floor at	th Course	2nd floor stairs		Bsmt stairs		
	2nd floor over		Cathedral over		Exposed Beams		
4. Roof	Roof style		Pitch	/12	Collar ties		
5. Dormer #1	Size/Type		Location		Courses to square		
	Log/Profile		Species		Corners		
	Roof style		Pitch	/12	Collar ties		
Dormer #2	Size/Type		Location		Courses to square		
	Log/Profile		Species		Corners		
	Roof style		Pitch	/12	Collar ties		
6. Porch #1	Size	x	Location		Deck #1 Size	x	
	Roof style		Pitch	/12	Location		
Porch #2	Size	x	Location		Deck #2 Size	x	
	Roof style		Pitch	/12	Location		
7. Notes:							

AREA DESCRIPTIONS (REFER TO SKETCH)

AREA #4									
1. Parameters	Foundation size	x		Location			Courses to square		
2. Exterior	Log/Profile			Species			Corners		
	Gables			Gables					
3. Interior	2nd floor at	th Course		2nd floor stairs			Bsmt stairs		
	2nd floor over			Cathedral over			Exposed Beams		
4. Roof	Roof style			Pitch	/12		Collar ties		
5. Dormer #1	Size/Type			Location			Courses to square		
	Log/Profile			Species			Corners		
	Roof style			Pitch	/12		Collar ties		
Dormer #2	Size/Type			Location			Courses to square		
	Log/Profile			Species			Corners		
	Roof style			Pitch	/12		Collar ties		
6. Porch #1	Size	x		Location			Deck #1 Size	x	
	Roof style			Pitch	/12		Location		
Porch #2	Size	x		Location			Deck #2 Size	x	
	Roof style			Pitch	/12		Location		
7. Notes:									

AREA #5									
1. Parameters	Foundation size	x		Location			Courses to square		
2. Exterior	Log/Profile			Species			Corners		
	Gables			Gables					
3. Interior	2nd floor at	th Course		2nd floor stairs			Bsmt stairs		
	2nd floor over			Cathedral over			Exposed Beams		
4. Roof	Roof style			Pitch	/12		Collar ties		
5. Dormer #1	Size/Type			Location			Courses to square		
	Log/Profile			Species			Corners		
	Roof style			Pitch	/12		Collar ties		
Dormer #2	Size/Type			Location			Courses to square		
	Log/Profile			Species			Corners		
	Roof style			Pitch	/12		Collar ties		
6. Porch #1	Size	x		Location			Deck #1 Size	x	
	Roof style			Pitch	/12		Location		
Porch #2	Size	x		Location			Deck #2 Size	x	
	Roof style			Pitch	/12		Location		
7. Notes:									

AREA #6									
1. Parameters	Foundation size	x		Location			Courses to square		
2. Exterior	Log/Profile			Species			Corners		
	Gables			Gables					
3. Interior	2nd floor at	th Course		2nd floor stairs			Bsmt stairs		
	2nd floor over			Cathedral over			Exposed Beams		
4. Roof	Roof style			Pitch	/12		Collar ties		
5. Dormer #1	Size/Type			Location			Courses to square		
	Log/Profile			Species			Corners		
	Roof style			Pitch	/12		Collar ties		
Dormer #2	Size/Type			Location			Courses to square		
	Log/Profile			Species			Corners		
	Roof style			Pitch	/12		Collar ties		
6. Porch #1	Size	x		Location			Deck #1 Size	x	
	Roof style			Pitch	/12		Location		
Porch #2	Size	x		Location			Deck #2 Size	x	
	Roof style			Pitch	/12		Location		
7. Notes:									

AREA DESCRIPTIONS (REFER TO SKETCH)

GARAGE							
1. Parameters	Foundation size	24' x 31'	Location	Front of Area #1	Courses to square	15	
2. Exterior	Log/Profile	2x8 D	Species	Engineered White Pine	Corners	Mortise & Tenon	
	Gables	Front Log Siding	Gables				
3. Interior	2nd floor at	th Course	2nd floor stairs		Bsmt stairs		
	2nd floor over		Cathedral over		Exposed Beams	None	
4. Roof	Roof style	Prefab Tailing End Truss	Pitch	4 /12	Collar ties	None	
5. Dormer #1	Size/Type		Location		Courses to square		
	Log/Profile		Species		Corners		
	Roof style		Pitch	/12	Collar ties		
Dormer #2	Size/Type		Location		Courses to square		
	Log/Profile		Species		Corners		
	Roof style		Pitch	/12	Collar ties		
6. Porch #1	Size	x	Location		Deck #1	Size	x
	Roof style		Pitch	/12	Location		
Porch #2	Size	x	Location		Deck #2	Size	x
	Roof style		Pitch	/12	Location		
7. Interior Finish	Garage	Uninsulated/Unfinished	2nd floor				
8. Notes:	10' x 8' insulated and finished mudroom included in this area at front entrance of home. (2) 9'x7' garage doors to be provided by others.						

Basement							
1. Walkout wall	Length/height	x	Location		Courses to square		Framing
2. Exterior	Log/Profile		Species				Corners
3. Interior	1x8 T&G Paneling		Fiberglass Insulation				
4. Notes:							

General Notes:

- Unless noted otherwise, porch and deck posts and steps to grade are provided by others.
- All double hung windows are quoted as "Equal Sash"; all grilles if included, are priced as colonial style unless noted otherwise, specialty windows (traps, triangles, etc) will not receive grilles
- Finish style stairs if included in pricing, to basement will automatically receive 2x6 walls around the perimeter of the stairs with a door at the bottom.
- All fireplace materials if shown on plans which includes chimney, stone veneer and actual fireplace are not included in price unless requested.
- Additional engineering fees and/or additional materials that are required as a result of structural engineering requirements, local code considerations, load calculations for wind, snow, etc., state stamps/seals, energy calculations, and/or customer requests such as steel beam sizing, radiant floor heating systems, etc., will be billed in addition to the quoted package price. (Based on approved engineering documentation/drawings.)
- All applicable sales tax will be reflected on Sales Agreement
- This estimate is for qualification purposes only. A firm price may be obtained by placing the minimum deposit and requesting a quotation.

Thank you for considering Timberhaven Log & Timber Homes

We appreciate the opportunity to earn your trust and look forward to assisting you with your forever home.



Material estimate number:E0000

EXTERIOR LOG WALLS

- Kiln-dried, pre-cut, predrilled Engineered log walls, gables (LT)
- Kiln-dried, Engineered 6x8 support posts w/ Lag bolts (LT)
- Kiln-dried log siding skirt board w/corner extensions (LT)
- Filler corners (LT)
- Kiln-dried corner trim boards (LT)
- Pre-cut splines (LT)
- 3/8 x 12 Lag bolts (LT)
- Butylog® sealant tape (LT)
- Gasket and caulking (LT)
- Polebarn nails for mortise & tenon corners (LT)
- Chinking (LT)

EXTERIOR FRAMED WALLS

- Kiln-dried log siding for dormers, gables (LT)
- Board & Batten siding (LT)
- Stone Veneer (WT)
- Wood shakes (WT)
- Kiln-dried corner extensions for dormers (LT)
- Corner trim (LT)
- 2x6 framed dormers, gables @ 16" OC (WT)
- 7/16" OSB sheathing for dormers, gables (WT)
- 15# felt paper vapor barrier (WT)
- R-21 insulation for dormers, gables (FN)
- 1x8 T&G for dormers, gables (FN)

GARAGES

- Kiln-dried log (LT)
- Kiln-dried log siding for walls, gables (LT)
- Kiln-dried log corner extensions (LT)
- Kiln-dried corner trim boards (LT)
- 2x4 framed walls @ 16" OC (WT)
- 7/16" OSB sheathing for walls, gables (WT)
- 15# felt paper vapor barrier for exterior walls (WT)
- Wall insulation (FN)
- Roof insulation (FN)
- T&G for walls (FN)

BASEMENT

- Log walkout walls (LT)
- Sided walkout walls (LT)
- Kiln-dried log corner extensions (LT)
- Framed walkout walls (WT)
- Sheathing (WT)
- Vapor barrier (WT)
- Insulation for walkout walls (FN)
- T&G for walkout walls (FN)
- Ceiling (FN)

1st LEVEL FLOOR SYSTEM

- 4x10 solid hemlock perimeter box w/hurricane ties (LT)
- Pressure treated 2x sill plate and sill seal (WT)
- Pressure treated 6x6 girder support posts (WT)
- 4-ply 2x12 girder beam (WT)
- 2x10 floor joists @ 16" OC w/metal bridging (WT)
- I-joists (WT)
- 3/4" Advantech® T&G subfloor (WT)
- Floor insulation (FN)
- Construction adhesive (WT)
- Metal joist hangers and banding (WT)

2nd LEVEL FLOOR SYSTEM

- Kiln-dried, Engineered 6x8 loft joists @ 32" OC w/ lag bolts (LT)
- 8x12 Engineered beams w/ lag bolts (LT)
- Kiln-dried, Engineered 8x8 loft posts (LT)
- Kiln-dried, Engineered 6x8 wall ties w/ lag bolts (LT)
- Engineered beams w/ lag bolts (LT)
- Heavy timber joist hangers w/ lags, and bolts as required (LT)
- Kiln dried exposed beams @ 48" OC w/ lag bolts (LT)
- Girder (LT)
- Joists (LT)
- I-joists (LT)
- 3/4" Subfloor (FN)
- Construction adhesive (FN)
- Metal joist hangers and banding (FN)
- Composition floor, 1x8 T&G w/ 3/4" T&G Advantech® above (FN)
- Floor insulation (FN)
- 2x6 T&G loft flooring (FN)
- Metal banding (LT)
- Ceiling under loft floor (FN)
- Loft railing, 6x6 posts, 2x4 rails, (FN)
- 2x2 balusters Railing Species WP

HAND HEWN COMPONENTS

- Exterior (LT)
- Interior (LT)
- Loft joists (LT)
- Posts and beams (LT)
- Loft deco beams (LT)
- Heavy timber roof (LT)
- Rafter ties (LT)

EXTERIOR PRESERVATIVE

- Q8 Outlast Log Oil® (FN)
- Insect repellent (FN)
- Stain (Q8 Outlast Log Oil® only) (FN)

(LT) = Log and Timber (WT) = Weathertight (FN) = Finish

ROOF SYSTEMS

Common roof system materials

- 7/16" OSB roof sheathing w/ H-clips (WT)
- Glu-lam ridge/support beams as required w/ lag bolts (LT)
- Rhino Roof™ synthetic felt, ice and water shield (WT)
- Tamko® Heritage 30-year architectural fiberglass shingles (WT)
- Ridge vent (WT)
- 2x WP fascia (WT)
- Kiln-dried , Engineered 6x6 support posts w/ lag bolts (LT)

Heavy timber truss roof system

- Beam & purlin roof (LT)
- Rafters (LT)
- Ties (LT)
- Purlins (LT)
- A truss Dormer truss W truss
- Shed Truss Scissor truss Gambrel truss

Heavy timber rafter roof system

- Heavy timber roof (LT)
- Rafters (LT)
- Ties (LT)
- 15# felt paper vapor barrier (WT)
- Ceiling T&G (WT)
- Rigid insulation (WT)
- Vented drip edge (WT)
- 2x4 furring strips w/ timberscews (WT)
- Chimney/skylight framing w/ lag bolts (LT)

Conventional roof systems

- Pre-fab trusses @ 16"OC w/bracing (WT)
- Pre-fab gable truss (WT)
- 2x12 rafters @ 16" OC (WT)
- I-joist rafters (WT)
- Hurricane ties for truss and rafter roofs (WT)
- Kiln-dried Engineered 6x8 collar ties @ 48" OC w/ bolts (LT)
- Soffit (WT)
- 1x8 T&G soffit paneling (WT)
- Strip soffit vent (WT)
- Drip edge and flashing (as required) (WT)
- Kiln dried exposed beams (LT)
- Exposed hip, ridge or valley beam (LT)
- Kiln dried deco truss (LT)
- Deco overhang (WT)
- Deco octagon louver (non-venting) (WT)
- R-38 unfaced high density insulation (FN)
- Insulation baffle, support wires (FN)
- Poly vapor barrier (FN)
- 1x8 T&G ceiling finish (FN)

PORCHES

- 2x8 PT joists @16" OC w/headers, hangers and copper flashing (WT)
- 5/4 PT decking (FN)
- Kiln-dried, Engineered 6x8 porch header w/ lag bolts (LT)
- PT 6x6 porch posts w/ lag bolts (WT)
- PT 6x6 post braces w/ timberscrews (WT)
- Beam & purlin roof (LT)
- Rafters (LT)
- Ties (LT)
- Purlins (LT)
- Shed Truss A truss W truss
- Heavy timber roof (LT)
- Rafters (LT)
- Ties (LT)
- Ceiling T&G (FN)
- Vented drip edge (WT)
- 2x4 furring strips w/ timberscrews (WT)
- Pre-fab truss roof (WT)
- 2x6 rafters @ 16" OC (WT)
- Hurricane ties (WT)
- 2x WP fascia (WT)
- 2x6 ceiling joists @ 16" OC (WT)
- Drip edge and flashing (as required) (WT)
- Strip soffit vent (WT)
- 7/16" OSB roof sheathing w/ H-clips (WT)
- Rhino Roof™ synthetic felt, Ice and water shield (WT)
- Tamko® Heritage, 30 year architectural fiberglass shingles (WT)
- Kiln dried deco truss (LT)
- 1x8 T&G ceiling finish (FN)
- Porch railing, 6x6 posts, 2x4 rails, (FN)
- 2x2 balusters Railing Species PT

DECK/BALCONY

- 2x8 PT joists @16" OC w/headers, hangers and copper flashing (FN)
- 5/4 PT decking (FN)
- Deck railing, 6x6 posts, 2x4 rails, (FN)
- 2x2 balusters Railing Species PT

STAIRS

- Basement stairs, 2x12 SPF2 stringers, (FN)
- 2x WP treads, 2x4 SPF2 railing
- Finish stairs, 2x12 SPF2 stringers, (FN)
- 1x10 WP risers, 2x WP treads
- Exposed stairs (FN)
- Spiral stairs (FN)
- Log stairs (FN)
- Stair railing, 6x6 posts, 2x4 rails, (FN)
- 2x2 balusters Railing Species WP

(LT) = Log and Timber (WT) = Weathertight (FN) = Finish

Material estimate number: E0000

		Andersen®	Andersen®			Andersen®	Andersen®
		200 Series	400 Series			200 Series	400 Series
Patio Doors (WT)							
<input checked="" type="checkbox"/>	Single door	_____	2	<input checked="" type="checkbox"/>	Double Hung	12	_____
<input checked="" type="checkbox"/>	Center hinge	_____	2	<input checked="" type="checkbox"/>	Casement	2	_____
<input checked="" type="checkbox"/>	Double hinge	_____	1	<input type="checkbox"/>	Picture/Rectangle	_____	_____
<input type="checkbox"/>	Gliding door	_____	_____	<input type="checkbox"/>	Awning	_____	_____
<input type="checkbox"/>	Transoms	_____	_____	<input type="checkbox"/>	Gliding	_____	_____
<input type="checkbox"/>	Sidelights	_____	_____	<input type="checkbox"/>	Transoms	_____	_____
<input checked="" type="checkbox"/>	Lockset(s) <u>5 Newbury</u>	_____	Finish <u>Oil Rubbed Bronze</u>	<input type="checkbox"/>	Bay/Bow	_____	_____
<input checked="" type="checkbox"/>	Removable Colonial grilles			<input checked="" type="checkbox"/>	Removable Colonial grilles		
<input checked="" type="checkbox"/>	Screens			<input checked="" type="checkbox"/>	Screens		
Therma Tru® Doors (WT)							
<input checked="" type="checkbox"/>	Style <u>FCM606LE</u>	_____	1	<input type="checkbox"/>	Circle tops	_____	_____
<input checked="" type="checkbox"/>	Style <u>FCM65LE</u>	_____	1	<input type="checkbox"/>	Circle top grilles	_____	_____
<input type="checkbox"/>	Style _____	_____	_____	<input type="checkbox"/>	Rounds	_____	_____
<input type="checkbox"/>	Hinged Patio Doors	_____	_____	<input type="checkbox"/>	Archtrop/Eyebrow	_____	_____
<input type="checkbox"/>	Gliding Patio doors	_____	_____	<input type="checkbox"/>	Archtrop/Eyebrow grilles	_____	_____
<input checked="" type="checkbox"/>	Prehung Inswing fire door	_____	1	<input type="checkbox"/>	Springline/Palladian	_____	_____
<input type="checkbox"/>	Basement doors	_____	_____	<input type="checkbox"/>	Springline/Palladian grilles	_____	_____
<input checked="" type="checkbox"/>	Lockset(s) <u>1 Plymouth 2 Accent</u>	_____	_____	<input checked="" type="checkbox"/>	Trapezoids	_____	4
<input checked="" type="checkbox"/>	B-60 deadbolt	_____	_____	<input type="checkbox"/>	Pentagons	_____	_____
<input checked="" type="checkbox"/>	Single cylinder deadbolt <u>2</u>	_____	_____	<input type="checkbox"/>	Triangles	_____	_____
<input type="checkbox"/>	Kickplate _____	_____	_____	<input type="checkbox"/>	Other custom windows	_____	_____
<input checked="" type="checkbox"/>	Door hardware finish <u>Aged Bronze</u>			<input type="checkbox"/>	Fixed octagon	_____	_____
<input checked="" type="checkbox"/>	1x4 WP Interior trim for exterior doors, windows, w/windowsills (FN)			<input type="checkbox"/>	Wood octagon	_____	_____
<input checked="" type="checkbox"/>	Bucks, gasket and caulking for doors and windows (WT)			<input type="checkbox"/>	Basement windows	_____	_____
<input checked="" type="checkbox"/>	1 3/4x3 1/2 WP Exterior trim for doors and windows (WT)			<input type="checkbox"/>	High altitude glass	_____	_____
INTERIOR FRAMED WALLS							
<input type="checkbox"/>	Bearing walls (WT)			<input type="checkbox"/>	Roof window/Skylight	_____	_____
<input checked="" type="checkbox"/>	2x4, 2x6 interior partitions 16" OC (FN)			Fixed Manual Powered			
<input type="checkbox"/>	Furring for foundation (FN)			<input type="checkbox"/>	_____	_____	_____
<input checked="" type="checkbox"/>	R-21 faced insulation for interior partitions (FN)						
<input checked="" type="checkbox"/>	1x8 T&G for interior partitions						
	T&G included for all interior walls on both sides (FN)						
<input checked="" type="checkbox"/>	1x4 WP baseboard (FN)						
ADDITIONAL/CUSTOM ITEMS							
<input type="checkbox"/>	_____						
WINDOWS (WT)							
INTERIOR DOORS							
<input checked="" type="checkbox"/>	Prehung raised panel pine doors (FN)			_____	_____	_____	10
<input checked="" type="checkbox"/>	Raised panel bi-fold doors, w/jambs (FN)			_____	_____	_____	4
<input type="checkbox"/>	Bypass doors (FN)						
<input type="checkbox"/>	French doors (FN)						
<input type="checkbox"/>	Pocket door (FN)						
<input checked="" type="checkbox"/>	Accent Aged Bronze locksets, Aged Bronze hinges (FN)						
<input checked="" type="checkbox"/>	1x4 WP interior door trim (FN)						
MISCELLANEOUS							
<input checked="" type="checkbox"/>	Shims (LT)						
<input checked="" type="checkbox"/>	Blueprints (LT)						
<input checked="" type="checkbox"/>	Construction manual (LT)						

(LT) = Log and Timber (WT) = Weathertight (FN) = Finish