30’ X 40’ POLE BARN

- 12’ HIGH SIDE WALLS
- 2-12’ WIDE X 10’ HIGH SECTIONAL GARAGE DOORS
- OPTIONAL WINDOWS
- 3’ ENTRY DOOR
- METAL ROOF
- METAL SIDING
- GABLE ROOF, 4/12 PITCH
- DETAILS INCLUDED
INDEX

PAGE  DESCRIPTION
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2  BACK & LEFT ELEVATIONS
3  FLOOR PLAN, FOOTING PLAN
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5  SECTION B, THICKENED EDGE SLAB DETAIL
6  WINDOW FRAME DETAIL, SECTIONS E, F, G
7  PERSONNEL DOOR FRAME DETAILS, GARAGE DOOR FRAME, SECTIONS C & H
8  POST NOTCHING DETAILS, SECTION D
9  POST FOOTING OPTIONS DETAILS
10 FRAME PICTORIAL
11 SPECIFICATIONS, BILL OF MATERIALS

THE PLOT SIZE IS "A" SIZE (8 1/2"x11") IF PLOTTED ON "C" SIZE PAPER (17"x22") THE SCALE IS 2X THE STATED SCALE
INSTALL DOOR TRIM AFTER DOOR INSTALLATION TO ENSURE PROPER FIT AGAINST DOOR.

2" ROOFING EXTENTION PAST WALL

THE PLOT SIZE IS "A" SIZE (8 1/2"x11") IF PLOTTED ON "C" SIZE PAPER (17"x22") THE SCALE IS 2X THE STATED SCALE.
NOTE: FOOTING SIZE BASED ON 1000 PSF. SOIL BEARING CAPACITY. (FOR 1500 PSF SEE FOOTING ALTERNATIVES IN SPECIFICATIONS)

THE PLOT SIZE IS "A" SIZE (8 1/2"x11") IF PLOTTED ON "C" SIZE PAPER (17"x22") THE SCALE IS 2X THE STATED SCALE
NOTE:
WHEN A CEMENT FLOOR IS USED, SET THE HEADER FOR THE 3'x6'-8" ENTRY DOOR TO 6'-9 1/2" ABOVE THE TOP OF THE SLAB INSTEAD OF FROM GRADE SO THE DOOR WILL CLEAR THE CEMENT FLOOR. THE CEMENT FLOOR IS TO BE ON A 4" THICK BED OF COMPACTED GRAVEL OR SAND AND REINFORCED W/ 6x6-6/6 WWM AND REBAR PER CODE. THICKEN THE EDGE OF THE SLAB AT THE GARAGE DOOR TO 12"x12" MINIMUM WITH 2-#4 HORIZONTAL REBAR MIN. 3 INCHES FROM THE BOTTOM.
2x4 OUTSIDE TRIMMER PRESSURE TREATED OR EQUAL
NOTCH TO FIT AROUND BEAMS

2x4 TRIMMER BACKER PRESSURE TREATED OR EQUAL

2x4 ROUGH SILL

SECTION E-6
SCALE 1/2" = 1'

2x6 NAILERS

2x4 OUTSIDE TRIMMER PRESSURE TREATED OR EQUAL
NOTCH TO FIT AROUND BEAMS

3 ROWS PRESSURE TREATED OR EQUAL 2x6

SECTION F-6
SCALE 1/4" = 1'

2x6 NAILERS

2x4 ROUGH SILL

2x6 NAILER

DOUBLE 2x6 HEADER
W/ 1/2" SPACER BETWEEN

2x4 INSIDE TRIMMER

3 ROWS PRESSURE TREATED OR EQUAL 2x6

SECTION G-6
SCALE 1/4" = 1'

2x4 INSIDE TRIMMER

2x6 NAILER

DOUBLE 2x6 HEADER
W/ 1/2" SPACER BETWEEN

2x4 INSIDE TRIMMER

THE PLOT SIZE IS "A" SIZE (8 1/2"x11") IF PLOTTED ON "C" SIZE PAPER (17"x22") THE SCALE IS 2X THE STATED SCALE

NOTE:
1. ILLUSTRATED WINDOW ROUGH OPENING IS 3'-0"x2'-6".
2. WINDOW HEADER HEIGHT IS 6'-9 1/2".
3. ADJUST ROUGH SILL HEIGHT AND WIDTH TO SUIT DESIRED WINDOW PER MANUFACTURES INSTRUCTIONS.
4. WINDOW FRAME MATERIALS ARE NOT ON BILL OF MATERIALS LIST.
THE PLOT SIZE IS "A" SIZE (8 1/2"x11") IF PLOTTED ON "C" SIZE PAPER (17"x22") THE SCALE IS 2X THE STATED SCALE.
CONCRETE FOOTING
TREATED WOOD POST
TAPEMF FILL
TREATED WOOD POST
9" MIN. OR PER CODE IF GREATER
CONCRETE FOOGING REINFORCE PER CODE
MIN. SIZE PER PAGE 3 OR PER CODE IF GREATER

CONCRETE BACKFILL
CONCRETE FOOTING
TREATED WOOD POST
9" MIN. OR PER CODE IF GREATER
MIN. SIZE PER PAGE 3 OR PER CODE IF GREATER

GRAVEL
CONCRETE FOOTING REINFORCE PER CODE

CONCRETE FOOTING WITH SPIKED ANCHORAGE
TREATED WOOD POST
SPIKES OR LAG SCREWS
MIN. SIZE PER PAGE 3 OR PER CODE IF GREATER

CONCRETE FOOTING WITH STRAP ANCHOR
TREATED WOOD POST
GALVANIZED METAL STRAP
CONCRETE FOOTING REINFORCE PER CODE
9" MIN. OR PER CODE IF GREATER
MIN. SIZE PER PAGE 3 OR PER CODE IF GREATER

CONCRETE COLLAR REINFORCE PER CODE
GRAVEL
GRAVEL
4" MIN.
CONCRETE BACKFILL
TREATED WOOD POST
MIN. SIZE PER PAGE 3 OR PER CODE IF GREATER

FOR USE IN TEMPERATE CLIMATES (FROST LINE NO DEEPER THAN 2'-0"
REINFORCED CONCRETE COLLAR

THE PLOT SIZE IS "A" SIZE (8 1/2"x11") IF PLOTTED ON "C" SIZE PAPER (17"x22") THE SCALE IS 2X THE STATED SCALE
NOTE:
FRAME PICTORIAL IS ONLY TO GIVE A GENERAL IDEA OF HOW FRAME PARTS FIT TOGETHER IT IS NOT AN ACTUAL REPRESENTATION OF THE FINISHED FRAME. USE THE DETAILED DRAWINGS FOR ACTUAL CONSTRUCTION INFORMATION.
General Specifications and Notes

General:
1. Construction shall meet all applicable codes and ordinances.
2. Site Work:
   1. Make sure setbacks are in compliance with local building codes.
   2. All stumps, roots, and organic matter shall be removed from the
      soil in the area of the building.
   3. Lot must be graded to insure proper drainage away from building.
   4. Soil should not be a highly expansive soil type without
      having a soil report preformed by a soils engineer and
      receiving approval from local building department to
      construct building on said type soil.
   5. Soil bearing capacity assumed to be 1000 psi at 2'
      below adjacent finished grade for design.

Concrete:
1. All slabs are to be 4" concrete over 4" gravel unless otherwise
   noted on the plans.
2. Concrete to be ACI 301-66, Type II cement, 2500 psi at 28 days,
   5" maximum slump.
3. Reinforcing to be ASTM A 615-Bars with Fy=60 ksi lap 40
   diameter minimum at splices or weld per ACI Std. in footings.
4. Reinforcing to be ASTM A 185-welded wire mesh in slabs.

Roof Framing:
1. For spans and dimensions refer to plans.
2. Use Simpson or equal anchors at each truss to wall connection.
3. Use Simpson or equal anchors at plate to beam or plate to nailer
   joints.

General framing: (Douglas Fir)
1. Exterior wall framing to be as shown on drawings.
2. Framing lumber shall be Douglas Fir construction grade Fb 1450
   or better unless otherwise noted.
3. Use pressure treated posts and use redwood or pressure treated
   lumber for nailers closer than 8" to the ground and for any other
   use where the lumber is closer than 8" to the ground or on
   cement.

Door and window framing:
1. Door and window manufacturer specified rough opening
   dimensions shall take precedence over drawing rough opening
   dimensions if there is a conflict.

Footing Alternatives:
1. For soil bearing capacity of 1500 psf the footings listed
   on page 3 as Ø2'-10 3/4" are lowered to Ø2'-4 1/2",
   the footings listed as Ø2'-3/4" are lowered to Ø1'-8 1/4",
   all other footings and pads remain the same as stated
   on page 3.

THE PLOT SIZE IS "A" SIZE (8 1/2"x11") IF PLOTTED ON "C" SIZE PAPER (17"x22") THE SCALE IS 2X THE STATED SCALE

<table>
<thead>
<tr>
<th>Size</th>
<th>Item</th>
<th>Count</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>2 x 12 x 8'</td>
<td>top beam</td>
<td>2 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 12 x 14'</td>
<td>top beam</td>
<td>1 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 12 x 14'</td>
<td>garage door header</td>
<td>4 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 12 x 16'</td>
<td>top beam</td>
<td>2 ea</td>
<td></td>
</tr>
<tr>
<td>1 3/4&quot;x7 1/4&quot;x40'</td>
<td>LVL top beam</td>
<td>4 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 8 x 10'</td>
<td>garage door trimmer, pressure treated</td>
<td>4 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 8 x 8'</td>
<td>top plate</td>
<td>4 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 8 x 14'</td>
<td>top plate</td>
<td>1 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 8 x 14'</td>
<td>garage door header bottom plate</td>
<td>2 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 8 x 16'</td>
<td>top plate</td>
<td>6 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 6 x 11 1/4&quot;</td>
<td>spring support</td>
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<td></td>
</tr>
<tr>
<td>2 x 6 x 21</td>
<td>spring support backer</td>
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<td></td>
</tr>
<tr>
<td>2 x 6 x 8&quot;</td>
<td>nailer</td>
<td>22 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 6 x 14&quot;</td>
<td>nailer</td>
<td>4 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 6 x 16&quot;</td>
<td>nailer</td>
<td>16 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 6 x 8&quot;</td>
<td>nailer, pressure treated</td>
<td>12 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 6 x 10&quot;</td>
<td>nailer, pressure treated</td>
<td>2 ea</td>
<td></td>
</tr>
<tr>
<td>2 x 6 x 11&quot;-10 1/2&quot;</td>
<td>garage door frame, pressure treated</td>
<td>8 ea</td>
<td></td>
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<tr>
<td>2 x 6 x 14&quot;</td>
<td>nailer, pressure treated</td>
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<tr>
<td>2 x 4 x 8&quot;</td>
<td>purlin</td>
<td>18 ea</td>
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<td>2 x 4 x 16&quot;</td>
<td>purlin</td>
<td>36 ea</td>
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<td>2 x 4 x 6&quot;-10&quot;</td>
<td>entry door frame, pressure treated</td>
<td>2 ea</td>
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<tr>
<td>2 x 4 x 9&quot;-1 3/4&quot;</td>
<td>entry door frame, pressure treated</td>
<td>2 ea</td>
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<tr>
<td>2 x 4 x 11&quot;-10 1/2&quot;</td>
<td>entry door frame, pressure treated</td>
<td>2 ea</td>
<td></td>
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<tr>
<td>2 x 4 x 12&quot;</td>
<td>bracket holder, pressure treated</td>
<td>4 ea</td>
<td></td>
</tr>
<tr>
<td>3&quot;x12&quot;</td>
<td>Siding, Vertical</td>
<td>51 ea</td>
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<tr>
<td>2x12x40&quot;</td>
<td>entry door header</td>
<td>2 ea</td>
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</tr>
<tr>
<td>1x4-16ft+</td>
<td>entry door casing</td>
<td>18 ft</td>
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<tr>
<td></td>
<td>entry door jamb, ext. side</td>
<td>18 ft</td>
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</tr>
<tr>
<td></td>
<td>roof truss, gable end</td>
<td>2 ea</td>
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</tr>
<tr>
<td></td>
<td>roof truss</td>
<td>19 ea</td>
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</tr>
<tr>
<td>3&quot;x16&quot;</td>
<td>Roofing Metal</td>
<td>27 ea</td>
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<tr>
<td></td>
<td>metal angle gable fascia</td>
<td>64 ft</td>
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<tr>
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<td>ridge cap</td>
<td>40 ft</td>
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<tr>
<td>36x80x1 3/4L</td>
<td>ext. hinged door</td>
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<tr>
<td>8&quot; dia. X 16&quot; long</td>
<td>pressure treated post</td>
<td>16 ea</td>
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<tr>
<td></td>
<td>garage door trim</td>
<td>67 ft</td>
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</tr>
<tr>
<td></td>
<td>garage door jam</td>
<td>67 ft</td>
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</tr>
<tr>
<td>12' x 10&quot;</td>
<td>sectional garage door</td>
<td>2 ea</td>
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</tr>
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Warning:
This is a computer generated estimate of the materials needed. It is not to
be construed as an accurate or complete list of materials. For a more
accurate list of materials needed, you will have to calculate it by hand.