

JOB LOCATION:
3 Oak Hill Road
Wareham, Ma

Load Path Connectors - All Connectors Shall Be Simpson or Equal Per Load Capacity

DESCRIPTION:	MANUFACTURER:	ITEM #:	QTY:	NOTE:
Shear Hold Downs	Simpson	HD8A		3000 lb
Anchor Bolts	Simpson	SSTB16		3000 lb
Anchor Plate	Simpson	BPS5/8-3		
Sill Strap	Simpson	SSP		
Plate Uplift Strap	Simpson	SSP or DSP		
Header Uplift Strap	Simpson	HRS12		Outside Stud of Header
Window/Door Connector	Simpson	FSC		
Rafter to Plate	Simpson	H2		Hurricane Clip
Ridge Connector	Simpson	not used		Collar Ties

130 GUIDE TO WOOD CONSTRUCTION IN HIGH WIND AREAS 7
130 MPH EXPOSURE B WIND ZONE

Table 2. General Nailing Schedule

Joint Description	Number of Common Nails	Number of Box Nails	Nail Spacing
Roof Framing			
Blocking to Rafter (Toe-nailed)	2- 8d	2-10d	each end
Rim Board to Rafter (End-nailed)	2-16d	3-16d	each end
Wall Framing			
Top Plates at Intersections (Face-nailed)	4-16d	5-16d	at joints
Stud to Stud (Face-nailed)	2-16d	2-16d	24" o.c.
Header to Header (Face-nailed)	16d	16d	16" o.c. along edges
Floor Framing			
Joist to Sill, Top Plate or Girder (Toe-nailed) (Fig. 14)	4- 8d	4-10d	per joist
Blocking to Joist (Toe-nailed)	2- 8d	2-10d	each end
Blocking to Sill or Top Plate (Toe-nailed)	3-16d	4-16d	each block
Ledger Strip to Beam or Girder (Face-nailed)	3-16d	4-16d	each joist
Joist on Ledger to Beam (Toe-nailed)	3- 8d	3-10d	per joist
Band Joist to Joist (End-nailed) (Fig. 14)	3-16d	4-16d	per joist
Band Joist to Sill or Top Plate (Toe-nailed) (Fig. 14)	2-16d	3-16d	per foot
Roof Sheathing			
Wood Structural Panels			
rafters or trusses spaced up to 16" o.c.	8d	10d	6" edge / 6" field
rafters or trusses spaced over 16" o.c.	8d	10d	4" edge / 4" field
gable endwall rake or rake truss w/o gable overhang	8d	10d	4" edge / 4" field
gable endwall rake or rake truss w/ structural outlookers	8d	10d	4" edge / 4" field
gable endwall rake or rake truss w/ lookout blocks	8d	10d	3" edge / 3" field
Ceiling Sheathing			
Gypsum Wallboard	5d coolers	-	7" edge / 10" field
Wall Sheathing			
Wood Structural Panels			
studs spaced up to 16" o.c.	8d	10d	6" edge / 12" field
studs spaced over 16" o.c.	8d	10d	6" edge / 6" field
25/32" Fiberboard Panels	8d ¹	-	3" edge / 6" field
1/2" Gypsum Wallboard	5d coolers	-	7" edge / 10" field
Floor Sheathing			
Wood Structural Panels			
1" or less	8d	10d	6" edge / 12" field
greater than 1"	10d	16d	6" edge / 6" field

¹ Corrosion resistant 11 gage roofing nails and 16 gage staples are permitted, check IBC for additional requirements.

Nails. Unless otherwise stated, sizes given for nails are common wire sizes. Box and pneumatic nails of equivalent diameter and equal or greater length to the specified common nails may be substituted unless otherwise prohibited.

AMERICAN FOREST & PAPER ASSOCIATION

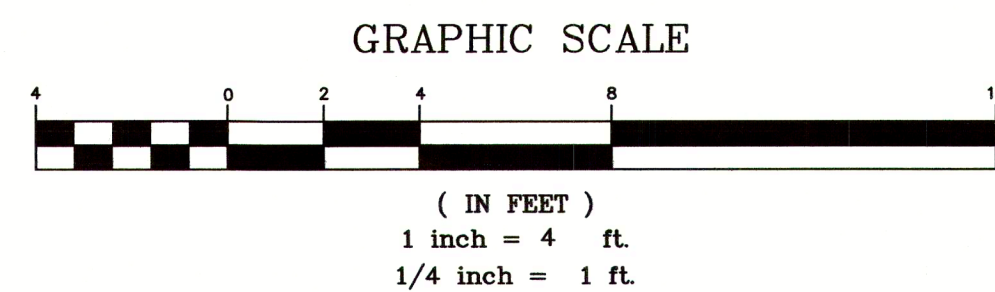
1 GENERAL PROVISIONS

130 MPH EXPOSURE B WIND ZONE

- | | | |
|---|--|--|
| <p>1.1 Scope
Wind Speed = 130 MPH
Wind Exposure = B</p> <p>1.2 Applicability
Number of Stories - 2
Roof Pitch - 7
Mean Roof Height - 18'-7"
Building Width - 47'
Building Length - 42'
Building Aspect Ratio - 1.12</p> <p>1.3 Framing Connections
per Wood Frame Construction Manual
130 MPH, Exposure B, Table 2</p> <p>2.1 Anchorage to Foundation
Type of Foundation - poured concrete
Foundation Anchorage
Proprietary Connectors
Uplift = 339 plf
Lateral = 185 plf
Shear = 441 plf
5/8" Anchor Bolts
Bolt Spacing - 48"
Bolt Embedded - 7"
Washer Size - 3"x3"x1/4"</p> <p>3.1 Floors
Floor Framing member span = 2x10s @ 16" o.c. w/ 14'-0" max span
Max Floor Opening Dim - 3'-6"x12'-0"
Max Floor Joist Setbacks - NA
Max Cantilevered Floor Joists - NA
Floor Bracing at Endwalls - 1st 2 bays at 4'-0" o.c.
Floor Sheathing Type - 3/4" T&G Plywood
Floor Sheathing Thickness - 3/4"
Floor Sheathing Fasteners - 8d nails at 6" edge/12" field</p> | <p>4.1 Walls
Wall Height
Load-bearing - 8'-0" max < 10'
Non Load-bearing - 9'-0" max < 20'
Wall Stud Spacing - 16" o.c.
Wall Story Offset - N.A.</p> <p>4.2 Exterior Walls
Wood Studs
Load-bearing walls - 2x6s @ 16" o.c. for 8' max height
Non Load-bearing walls - 2x6s @ 16" o.c. for 8' max height
Gable End Wall Bracing per WFCM 130 MPH Guide
Double Top Plate
Splice Length per WFCM 130 MPH Guide table 6
Splice Connection Nailing per WFCM 130 MPH Guide table 6
Load-bearing Wall Connections - Simpson HRS6
Uplift - 419 lb
Lateral - 2 - 16d common nails
Non-Loadbearing Wall Connections - Simpson HRS6
Uplift - 236 lb
Lateral - 2 - 16d common nails</p> <p>Wall Openings
Header spans 6'-6" max < 11'
Sill Plate Spans 6'-6" max < 11'
Full Ht Studs - 3 @ largest opening, 2 @ 4' or smaller span
Connections - Simpson HRS12 at end of each opening (w/ 14 10d nailing)
Uplift - 891 lb
Lateral - 491 lb</p> <p>Wall Sheathing
Min Building Dimensions
Sheathing Type - 1/2"
Edge Nail Spacing - 3"
Field Nail Spacing - 6" o.c.
Shear Connection - 3-16d common nails per 1'
Hold Down Capacity - 7300 lb (Simpson HD8A)
% Full Ht Sheathing - 56%</p> <p>Max Building Dimensions
Sheathing Type - 1/2"
Edge Nail Spacing - 3"
Field Nail Spacing - 6" o.c.
Shear Connection - 3-16d common nails per 1'
Hold Down Capacity - 7300 lb (Simpson HD8A)
% Full Ht Sheathing - 56%</p> | <p>5.1 Roofs
Roof Framing Member - 2x10s @ 16" o.c. 16' or less span
Roof Overhang - 1'-2"
Rafter Connections at Load Bearing Walls - Simpson H2 Hurricane Ties
Proprietary Connectors
Uplift - 499 lb
Lateral - 247 lb
Shear - 109 lb
Ridge Strap Connections T= 103 lb Simpson FWH2 Hip Roof Connector
Gable Rafter Outlooker - NA
Outlooker Connections - NA
Roof Sheathing Type - 5/8" CDX Plywood
Roof Sheathing Thickness - 5/8"
Roof Sheathing Fastening per Table 2 WFCM 130MPH Guide</p> |
|---|--|--|

Building Code 780 CMR:

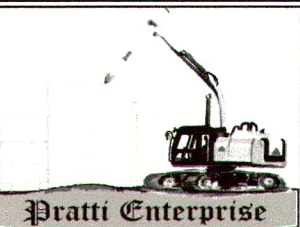
- 3/4" anchor bolts 48" o.c. with 3"x3"x1/4" plate washers.
- All sills are to be 2"x6" P.T.
- Exterior walls shall have windstorm vertical sheathing attached from sill plate to middle of band joist on all exterior walls.
- Floor bracing - Blocking and connections shall be provided at panel edges perpendicular to floor framing members in the first two truss or joist spaces and shall be spaced at a maximum of 4 feet on center.
- Roof bracing - Blocking and connections shall be provided at panel edges perpendicular to floor framing members in the first two truss or joist spaces and shall be spaced at a maximum of 4 feet on center.
- Alternate Sheer Panels - Strap Tie Holddown requirements: Each panel end stud shall have a tie down device fastened to the foundation, capable of providing an uplift capacity of 3000lb. The tie down device shall be installed in accordance with the manufacturers recommendations. Use Simpson STHD10 Strap Tie Holddown.
- Rafter Tie Downs: Each rafter shall have a Simpson hurricane tie H2.5.
- Interior Brace wall: Shall be noted on plans.



General Notes:

- The contractor shall comply with all Mass Building Code 780 CMR for construction type 5B, in the 130MPH B region.
- The Contractor shall comply with wood frame construction manual for 130 MPH nailing schedule.
- The contractor shall comply with all applicable codes, ordinances, regulations and instructions of authorities having jurisdiction at the location.
- All Beam Sizes are approximations and must be verified by contractor and manufacturer.
- The contractor and subcontractors shall not "scale" drawings to obtain dimensions. Any questions shall be referred to the designer who shall provide the information.
- The contractor shall obtain all permits and pay all fees related to construction of the project.
- The contractor shall be responsible for notification to the town of any necessary inspections.
- Plumbing and electrical subcontractors shall be licensed within the commonwealth of Massachusetts and shall meet all requirements of the town.

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Hanson, MA 02341
617-347-8478

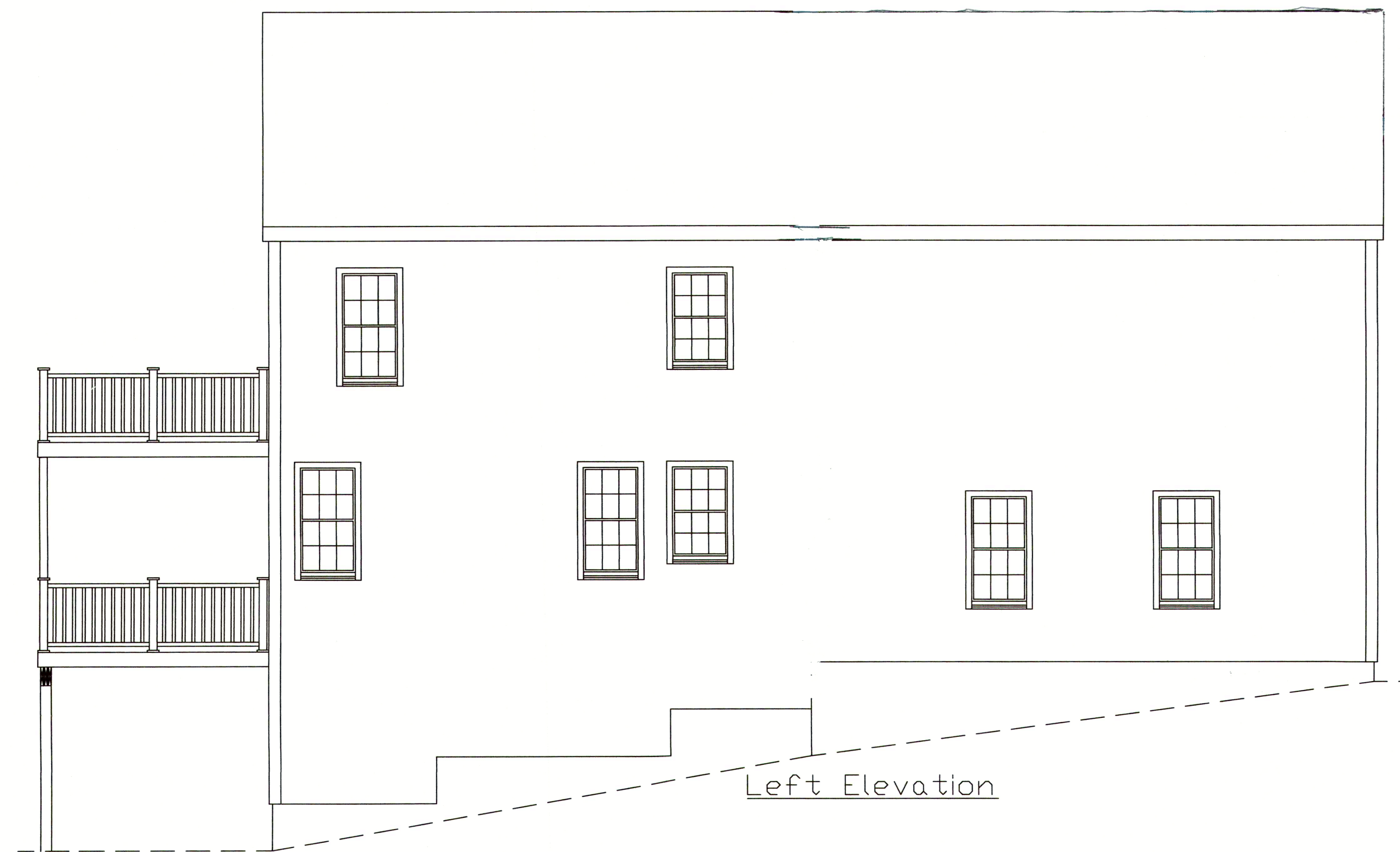


Prepared For: Kevin Nickerson	Contractor:	Location: 3 Oak Hill Rd., Wareham	SHEET NO. Sheet 1 of 6
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JOB LOCATION:
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Wareham, Ma



Front Elevation



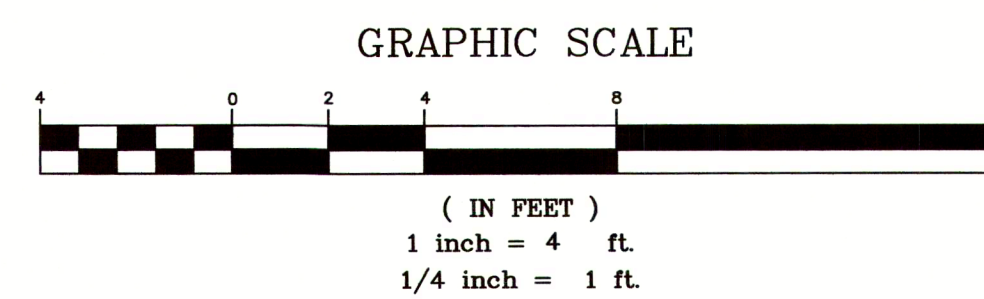
Left Elevation

Building Code 780 CMR:

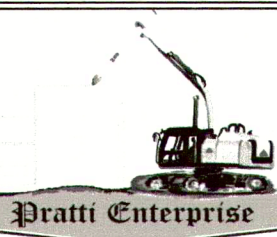
1. $\frac{5}{8}$ " anchor bolts 48" o.c. with 3"x3"x $\frac{1}{4}$ " plate washers.
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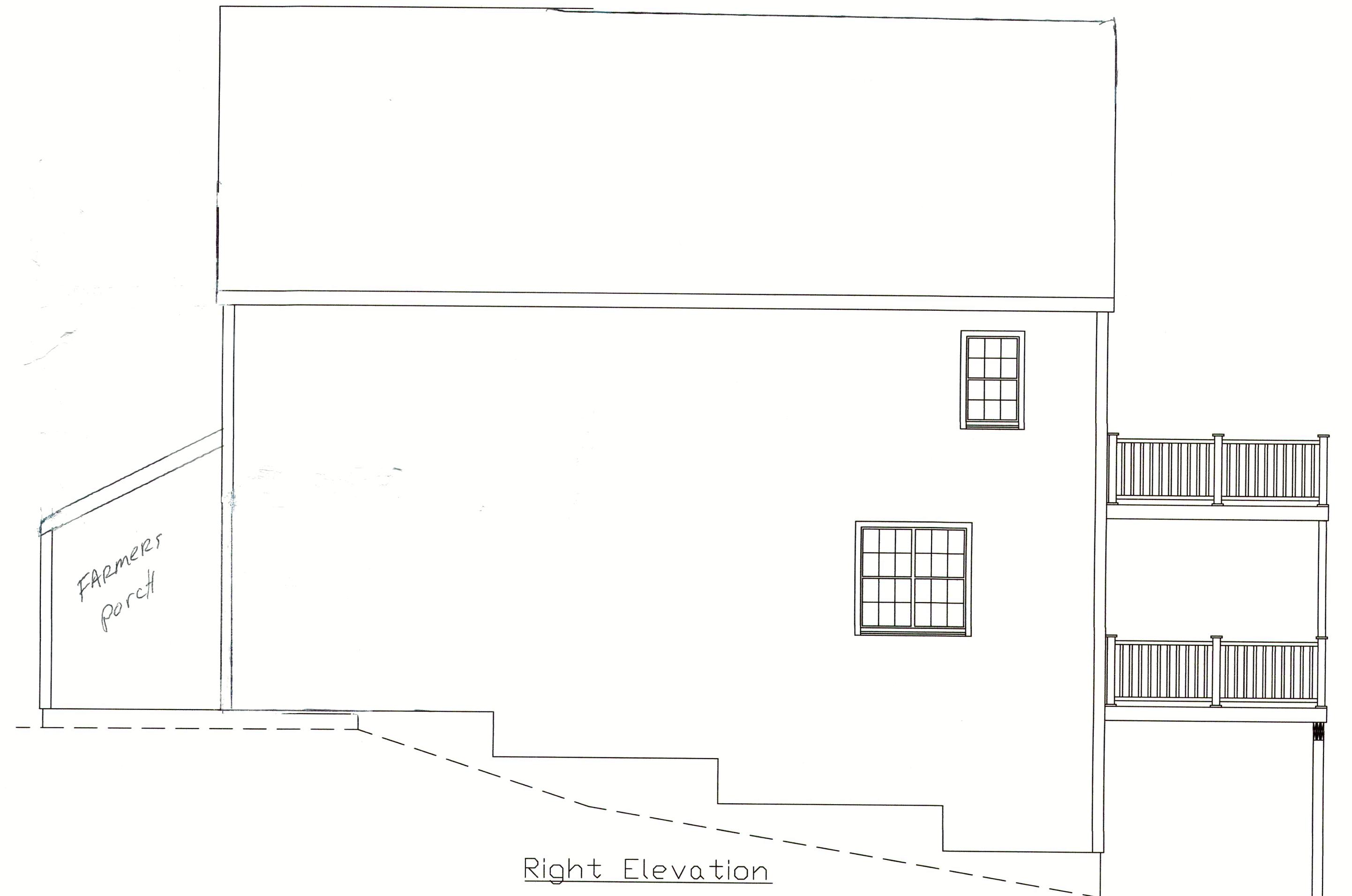


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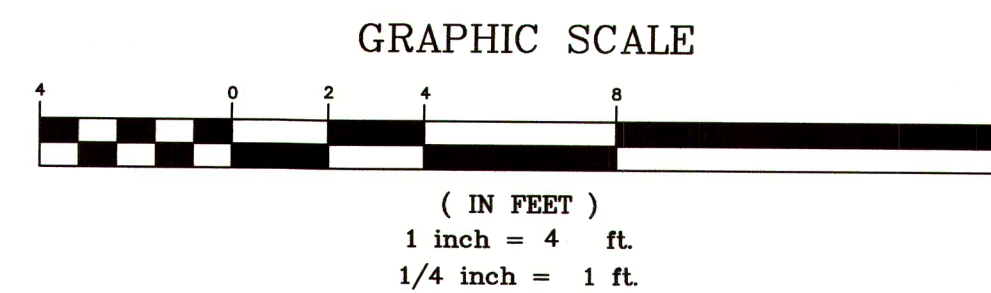
Rear Elevation



Right Elevation

Building Code 780 CMR:

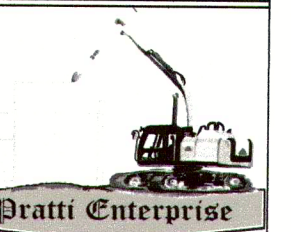
1. $\frac{3}{8}$ " anchor bolts 48" o.c. with 3"x3"x $\frac{1}{4}$ " plate washers.
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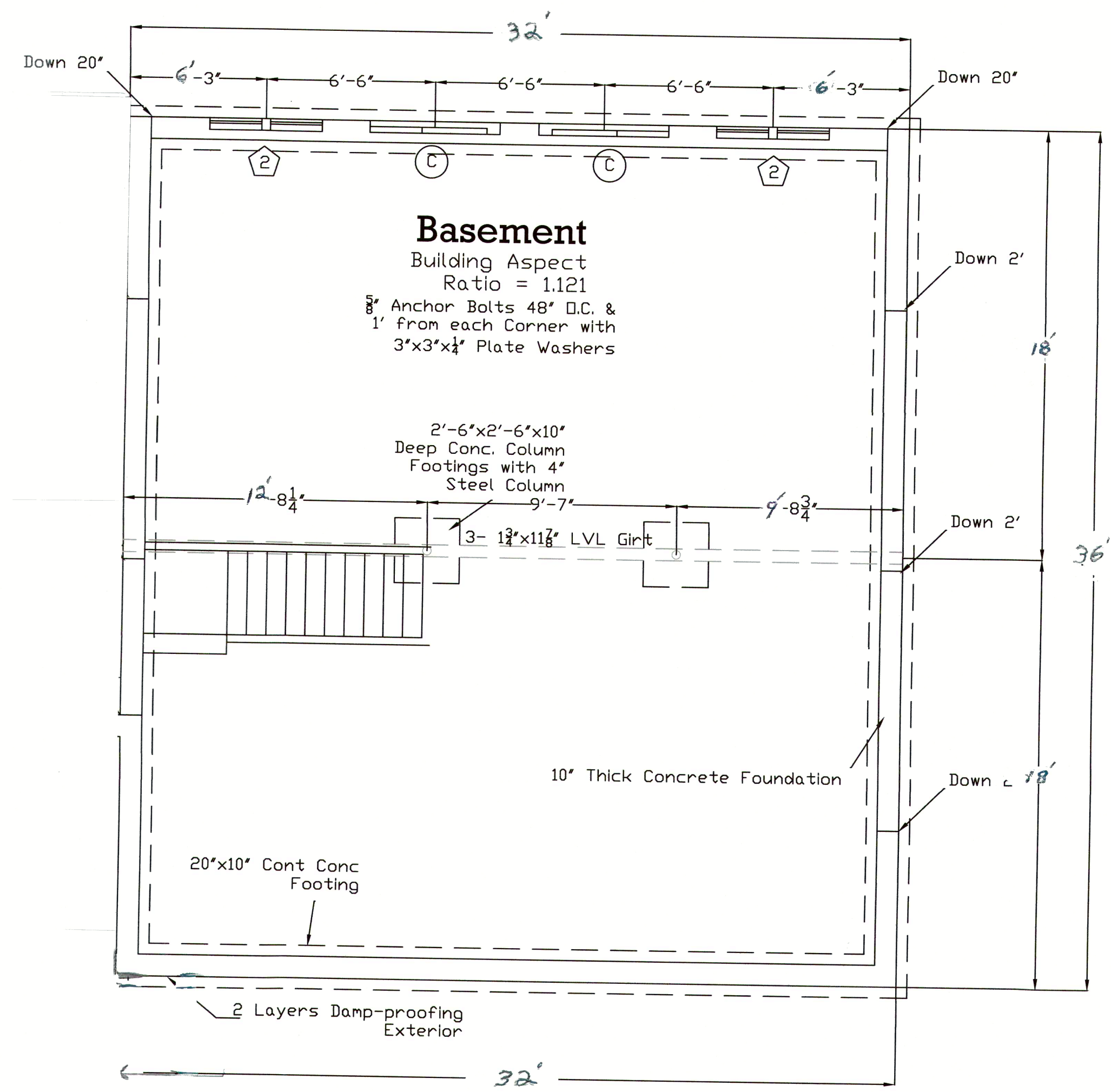
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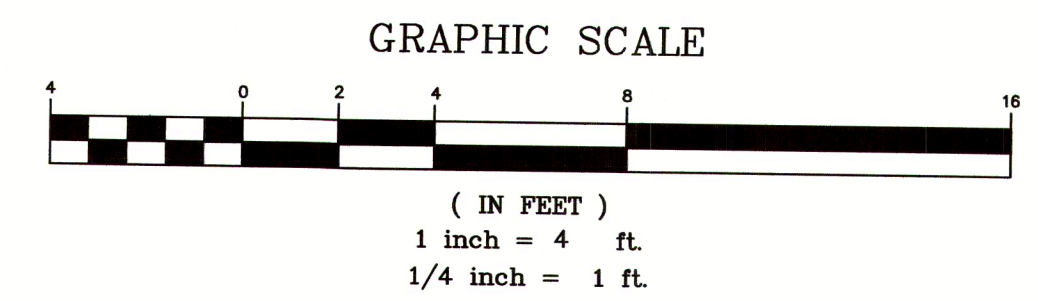
Foundation

Building Code 780 CMR:

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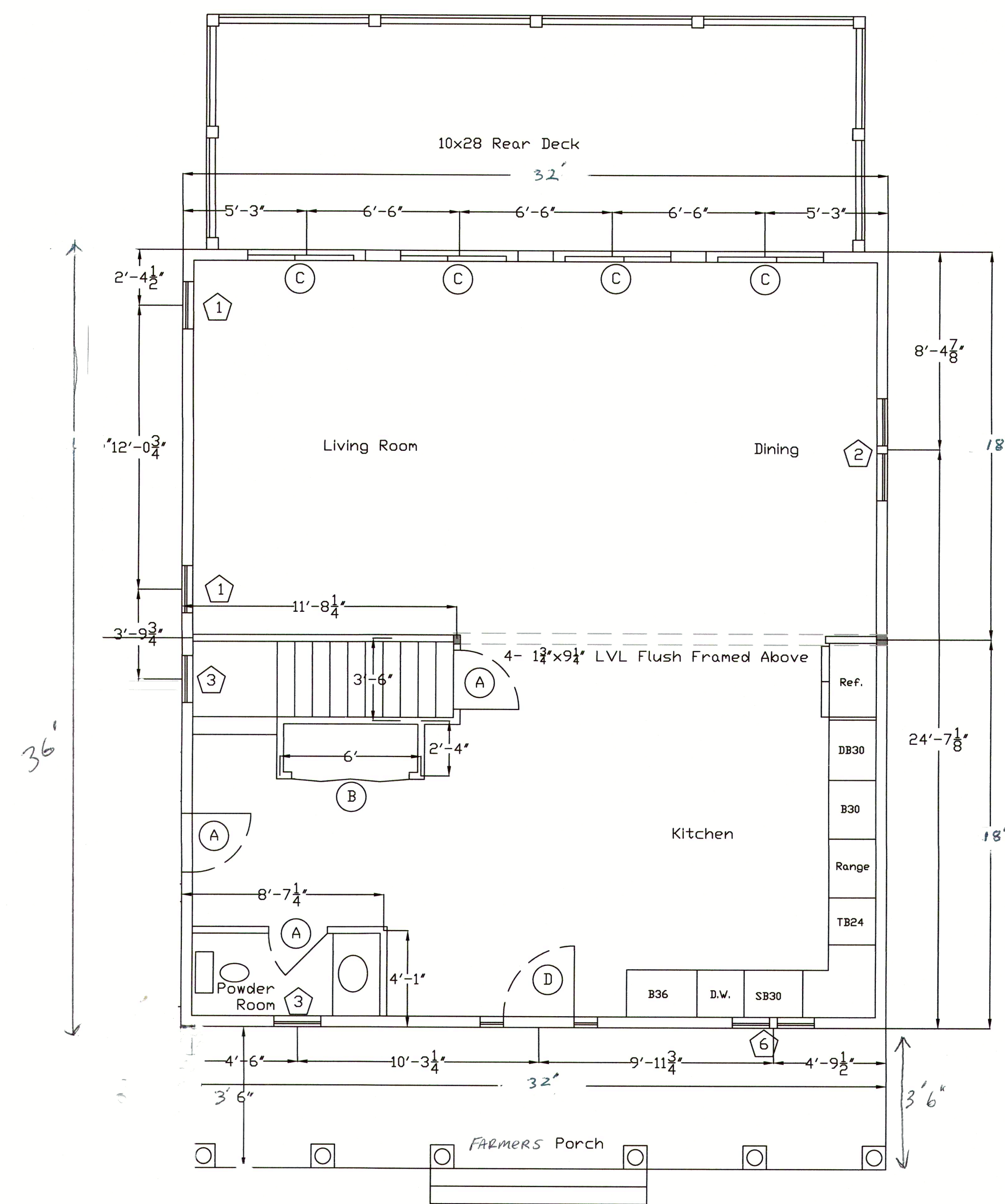


Pratti Enterprise P.O. Box 786 Hanson, MA 02341 617-347-8478		 Pratti Enterprise
Prepared For: Kevin Nickerson	Contractor:	Location: 3 Oak Hill Rd., Wareham
		SHEET NO. Sheet 4 of 6

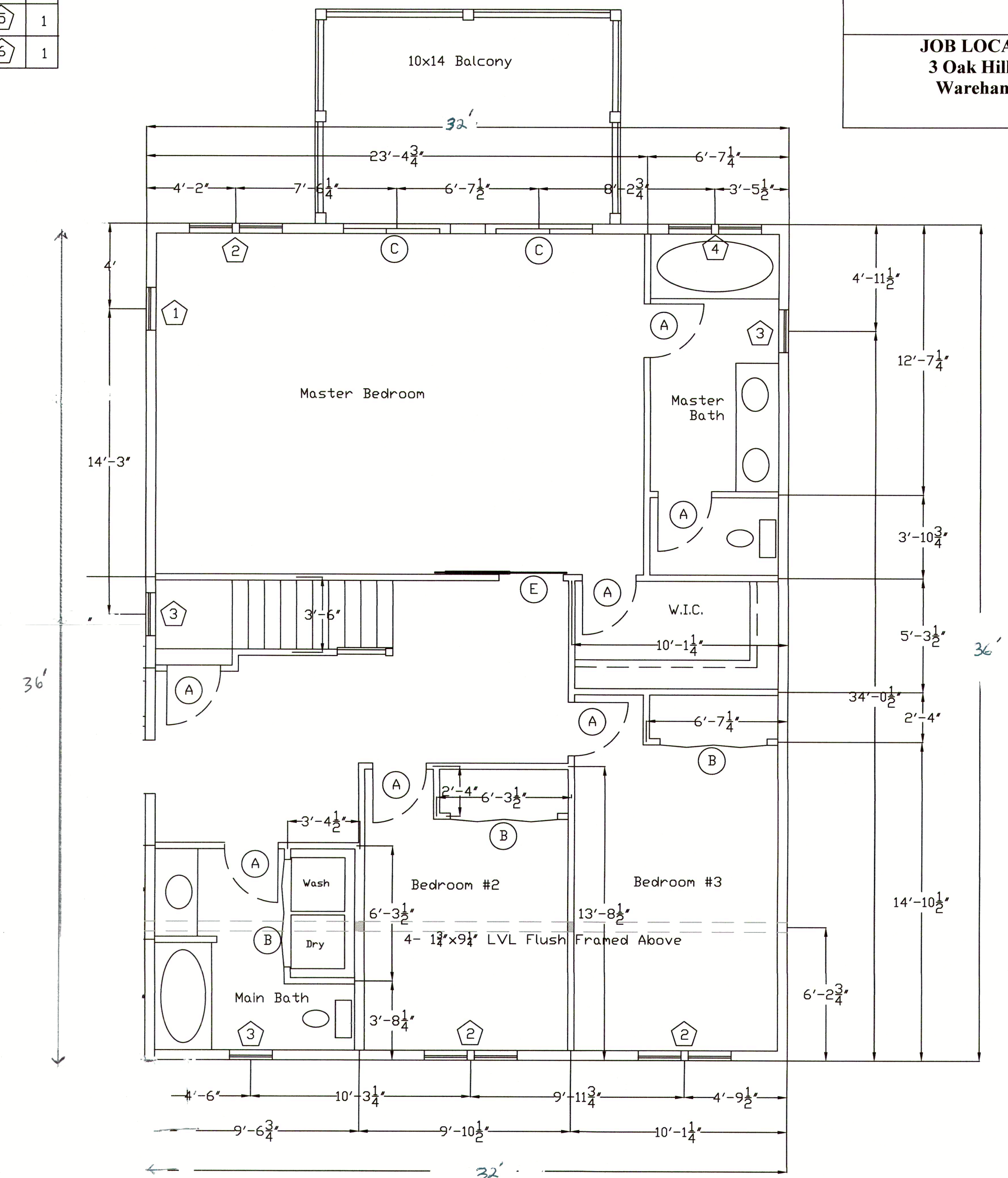
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WINDOW SCHEDULE			
R.O.	Size Description	Type	No.
30"x57½"	"Harvey Ind." - Vicon Classic Double Hung - #2446, or equal	①	5
58¼"x57½"	"Harvey Ind." - Vicon Classic Double Hung - #2446-2, or equal	②	7
30"x41½"	"Harvey Ind." - Vicon Classic Double Hung - #2432, or equal	③	5
58¼"x41½"	"Harvey Ind." - Vicon Classic Double Hung - #2432-2, or equal	④	1
86¾"x57½"	"Harvey Ind." - Vicon Classic Double Hung - #2446-3, or equal	⑤	1
41¾"x36"	"Harvey Ind." - Vicon Classic Casement - #363-2, or equal	⑥	1

DOOR SCHEDULE			
Size Description	Type	No.	
2'-6"x6'-8"x1½" Wood Panel	(A)	11	
5'-0"x6'-8"x1½" Bi-Fold Wood Panel	(B)	4	
5'-0"x6'-8" Gliding Patio	(C)	8	
3'-0"x6'-8"x1½" w/ 1'-0" Sidelights	(D)	1	
3'-0"x6'-8"x1½" Sliding Barn-Style Door	(E)	1	



First Floor



Second Floor

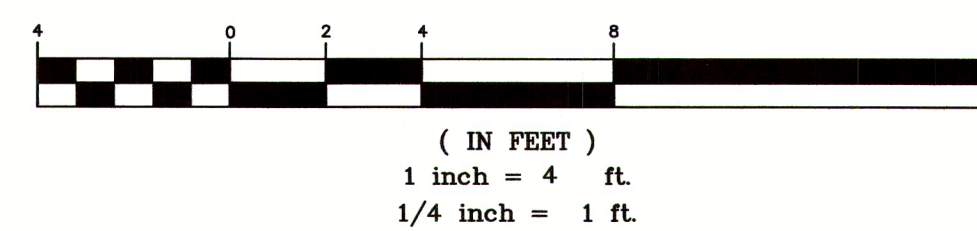
Building Code 780 CMR:

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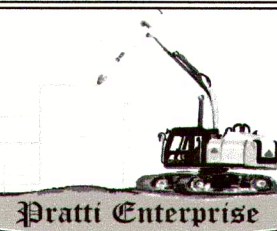
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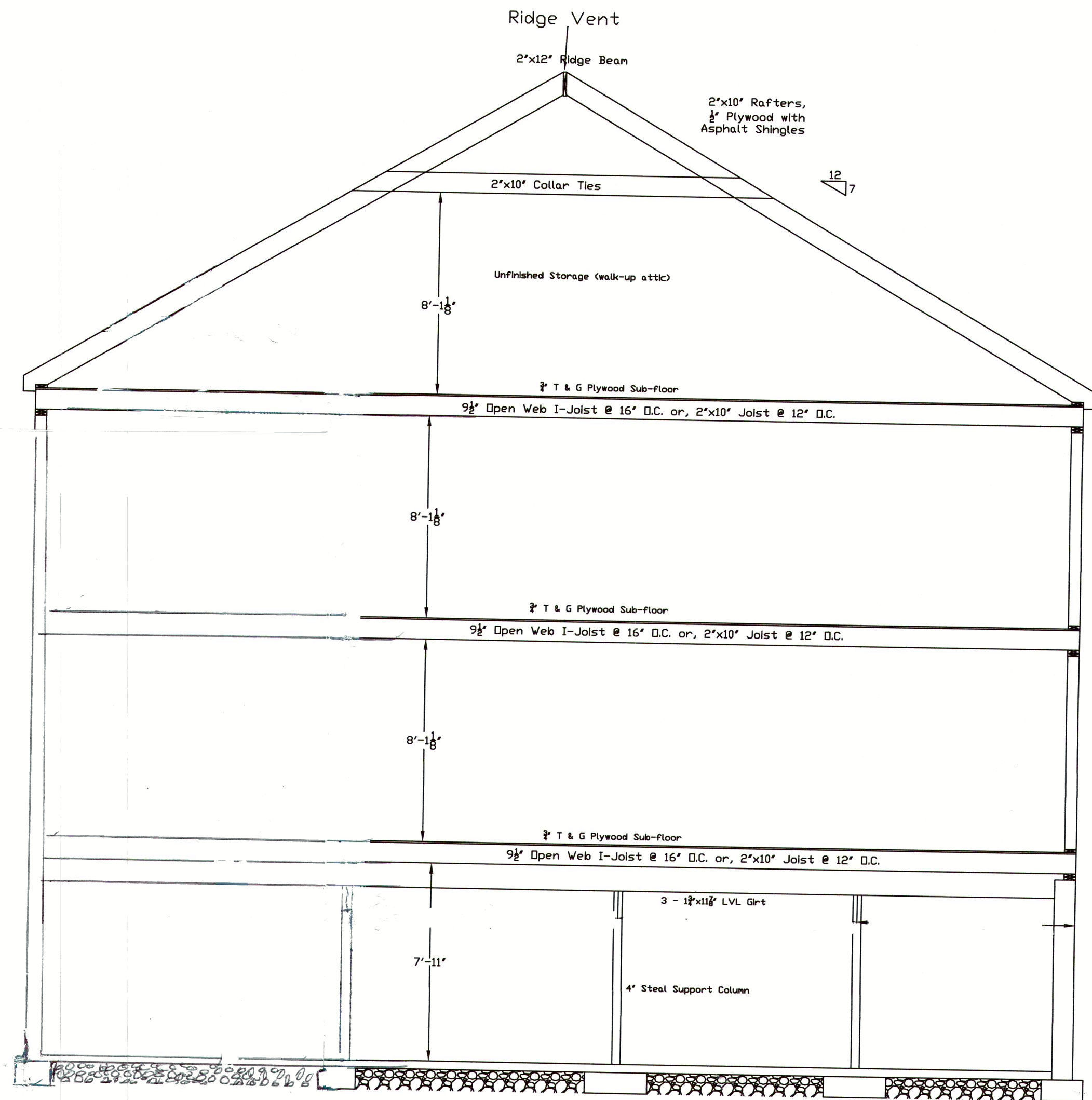
GRAPHIC SCALE



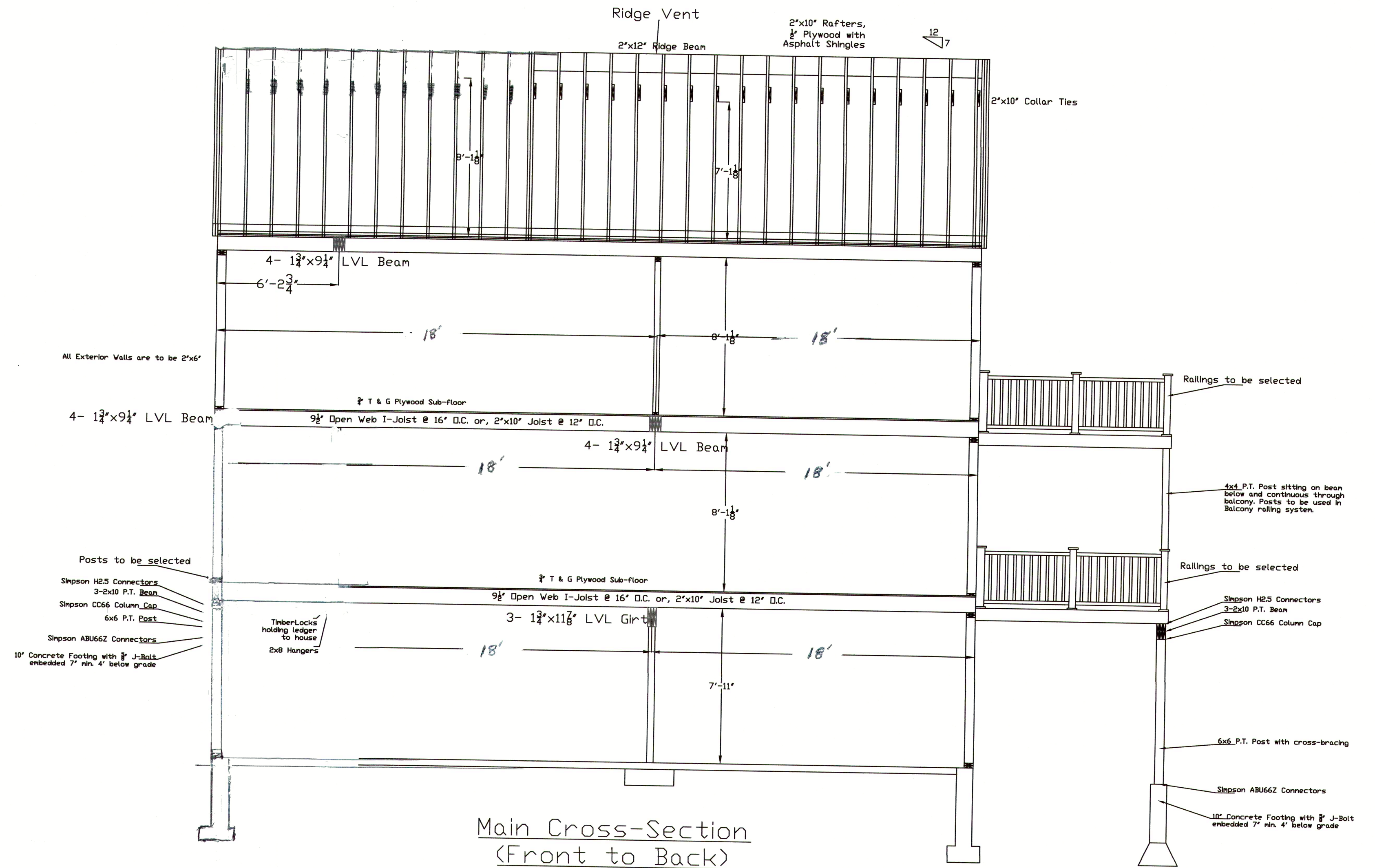
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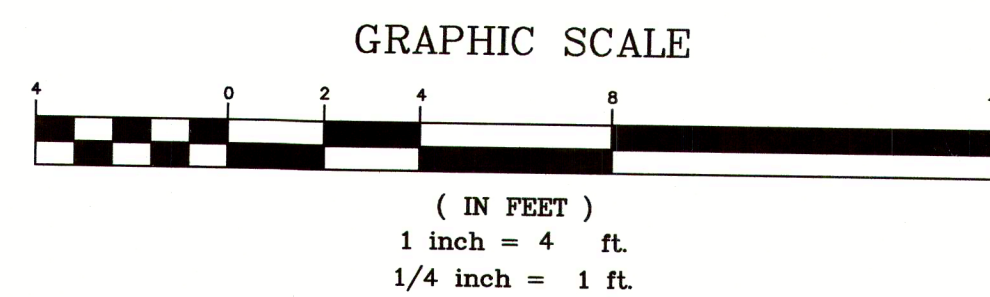
Main Cross-Section
 (Left to Right)



Main Cross-Section
 (Front to Back)

Building Code 780 CMR:

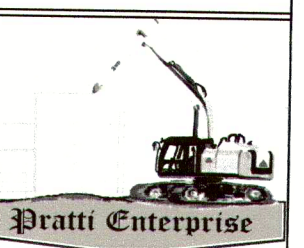
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