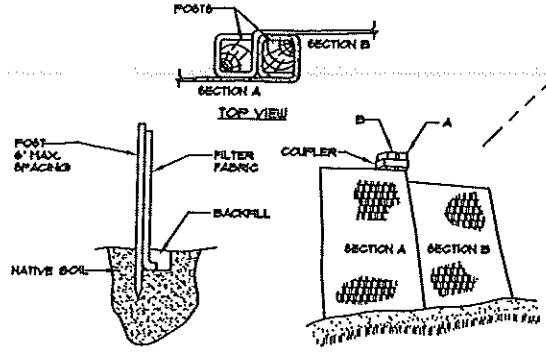


LOCATION MAP N.T.S.

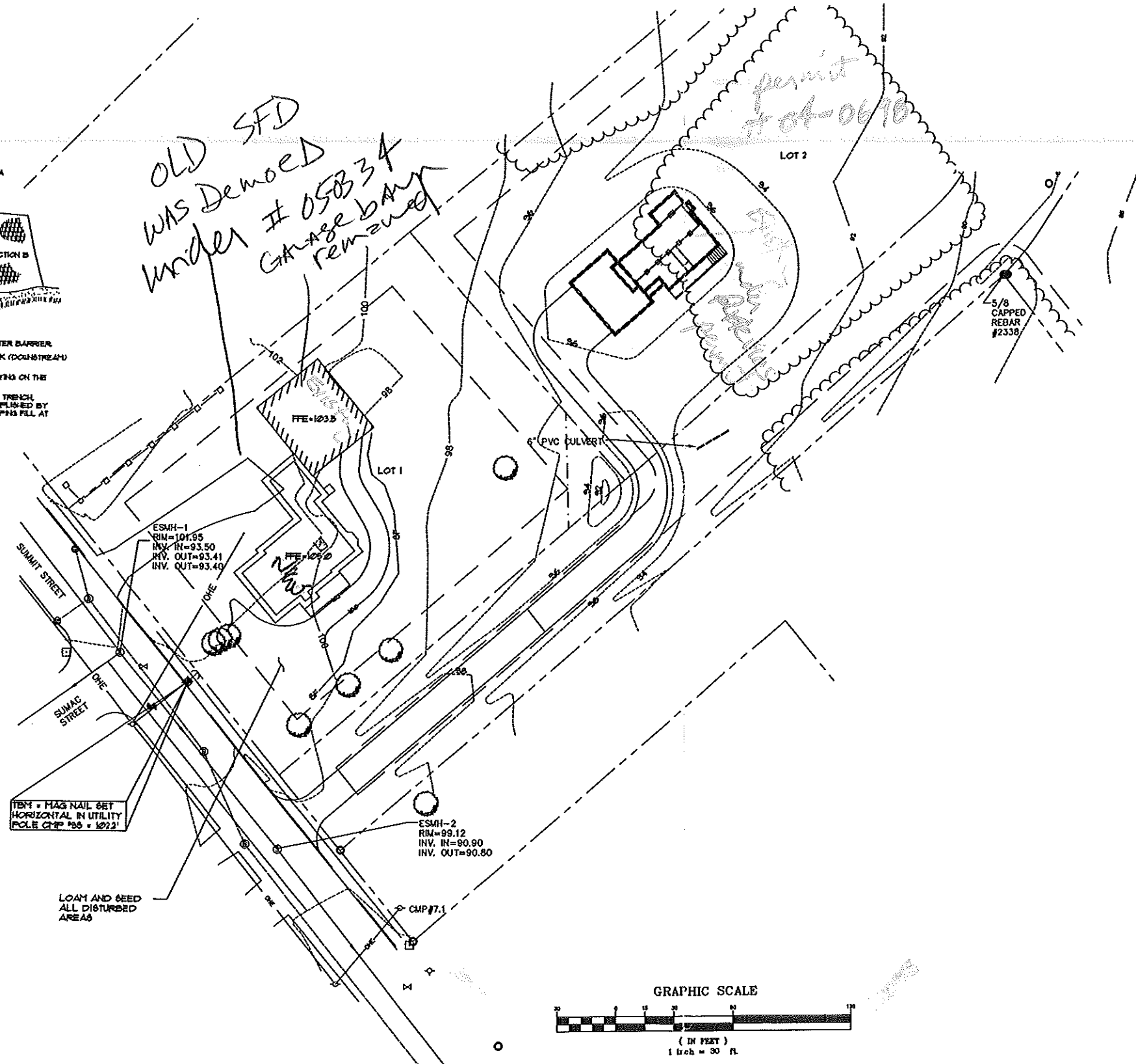


- INSTALLATION:**
1. EXCAVATE A 6" X 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
 3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
 4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
 5. JOIN SECTION AS SHOWN ABOVE.
 6. BARRIER SHALL BE MINIM 6FT FENCE OR EQUAL.

FILTER BARRIER
NOT TO SCALE

OLD SFD
WAS DEMOED
UNDER # 050334
GARAGE BAY
REMOVED

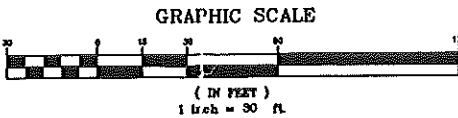
permit
04-0618



NOTE:
NEW BUILDING WILL UTILIZE THE EXISTING
SANITARY SEWER, WATER AND
OVERHEAD ELECTRIC LINES THAT
SERVICE THE PREVIOUS BUILDING

LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY/ROW	---
---	SETBACK	---
	BUILDING	
====	EDGE PAVEMENT	====
---	CURBLINE	---
~~~~	TREELINE	~~~~
.....	CONTOURS	.....
W	WATER	W
S	SEWER	S
SD	STORM DRAIN	SD
OHE	OVERHEAD ELEC. & TEL.	OHE
X	GATE VALVE	X
U	UTILITY POLE	U
CB	CATCH BASIN	CB
M	MANHOLE	M
C	CULVERT	C
30.20	SPOT GRADE	+ 30.20
(circle with dot)	DECIDUOUS TREE	(circle with X)
(circle with cross)	CONIFEROUS TREE	(circle with X)
—X—	SILT FENCE	—X—
—B—	BENCHMARK	—B—
—R—	RIP-RAP	—R—
—F—	FEE-FINISHED FLOOR ELEVATION	—F—



**Sebago Technics**  
Engineering Expertise You Can Build On  
One Chesnut Street  
Portland, Maine 04101  
Tel: (207) 859-0277

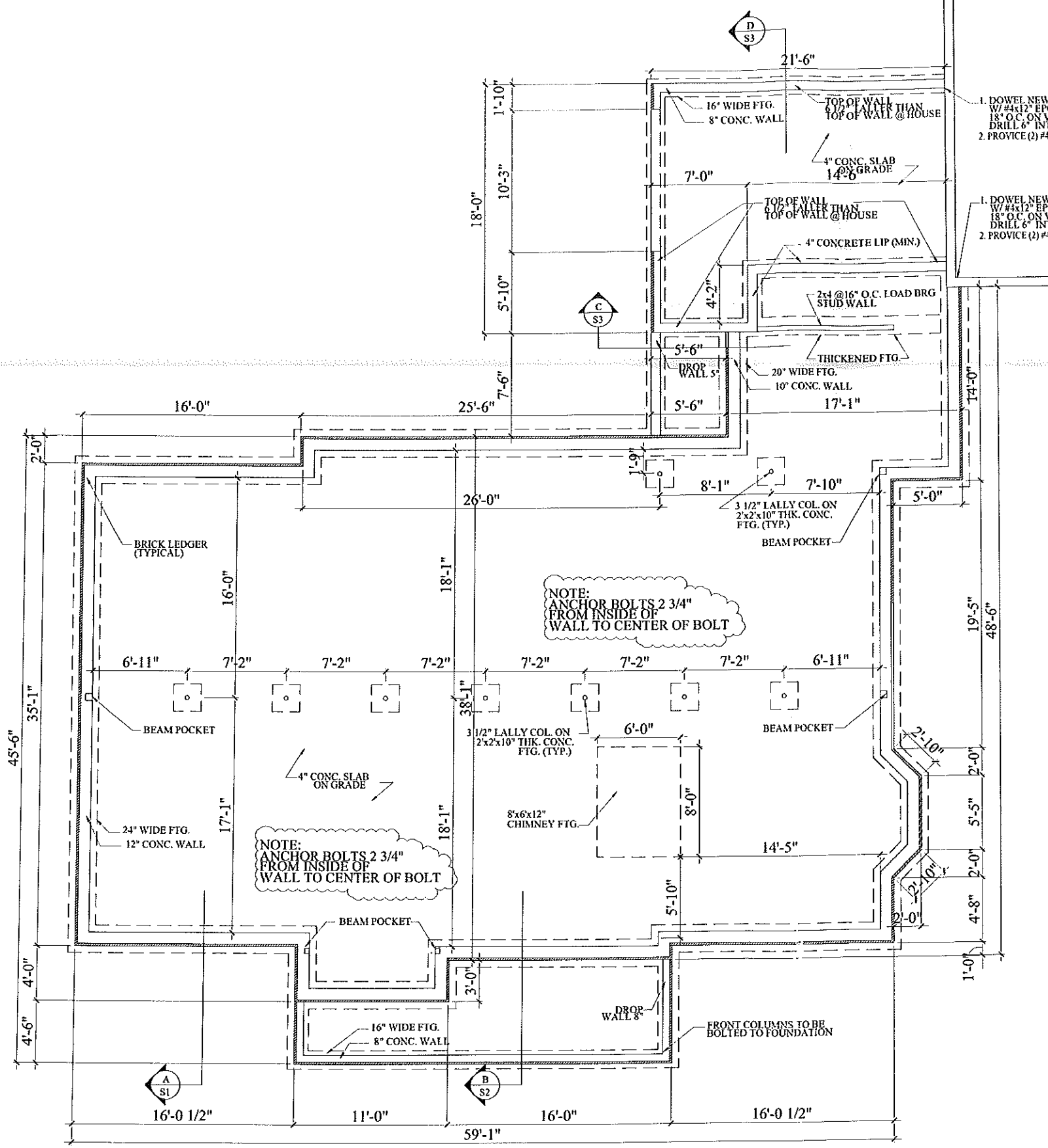
PROJECT NO. 04033  
FIELD BOOK 778  
DESIGN CHD  
DRAWN SDF  
PLS

PROVIDE GRADING PLAN TO CLIENT  
DATE: 8-29-05  
STATUS: A

THIS PLAN SHALL NOT BE MOVED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**GRADING PLAN**  
OF: WHITE PROPERTY: LOT 1  
SUMMIT STREET  
PORTLAND, MAINE  
FOR RECORD OWNER:  
PAUL G. WHITE  
50 ALLEN AVENUE  
PORTLAND, MAINE 04103

DATE	SCALE
8-24-05	1"=30'



1 FOUNDATION PLAN  
1/4" = 1'-0"

- 1. DOWEL NEW WALL TO EXISTING W/ #4x12" EPOXY DOWELS AT 18" O.C. ON VERTICAL DRILL 6" INTO EXISTING
- 2. PROVIDE (2) #4x12" DOWELS INTO EXISTING FOOT

- 1. DOWEL NEW WALL TO EXISTING W/ #4x12" EPOXY DOWELS AT 18" O.C. ON VERTICAL DRILL 6" INTO EXISTING
- 2. PROVIDE (2) #4x12" DOWELS INTO EXISTING FOOT

NOTE:  
ANCHOR BOLTS 2 3/4"  
FROM INSIDE OF  
WALL TO CENTER OF BOLT

NOTE:  
ANCHOR BOLTS 2 3/4"  
FROM INSIDE OF  
WALL TO CENTER OF BOLT

THIS P.E. REVIEW COVERS STRUCTURAL FRAMING MEMBERS DENOTED BY (ADP) ONLY. DESIGN AND DETAIL FOR FOUNDATION ELEMENTS, FRAMING CONNECTIONS (UNLESS OTHERWISE NOTED), COMPONENTS AND CLADDING, FINISHES, FLOOR PLAN LAYOUT, AND LIFE SAFETY CODE REQUIREMENTS HAVE NOT BEEN REVIEWED AND ARE BEYOND THE PURVIEW OF THIS P.E. SEAL. USE OF THESE DRAWINGS INDICATES OWNER/CONTRACTOR AGREEMENT TO THESE TERMS.

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  6. ALL STRUCTURAL STEEL TO BE ASTM 992 FY=50 KSI.

FOUNDATION PLAN

CHAMBERLAIN CONSTRUCTION  
1022 PORTLAND ROAD  
SACOME  
PHONE: 262-7377

Builder's Name and Address

2	8/29/05	ENGINEER	REV.
	8/17/05		
		PKM	
CS	Rev/No/Date		Date

Prep'd	WHITE	5/18/05	5/18/05
Scale	1/4" = 1'-0"		

A3

THE ENGINEER OF CHAMBERLAIN CONSTRUCTION HAS REVIEWED THE GENERAL INFORMATION PROVIDED ON THESE DRAWINGS AND HAS FOUND THEM TO BE ACCURATE AND COMPLETE. ALL INFORMATION NOT SHOWN ON THESE DRAWINGS IS TO BE OBTAINED FROM THE PROJECT CONTRACTOR AND ARCHITECT. CHAMBERLAIN CONSTRUCTION AND ARCHITECTS ASSOCIATES, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE OR THE CONSTRUCTION OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND THE CONSTRUCTION OF THE SAME. CHAMBERLAIN CONSTRUCTION AND ARCHITECTS ASSOCIATES, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE OR THE CONSTRUCTION OF THE SAME. CHAMBERLAIN CONSTRUCTION AND ARCHITECTS ASSOCIATES, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE OR THE CONSTRUCTION OF THE SAME.

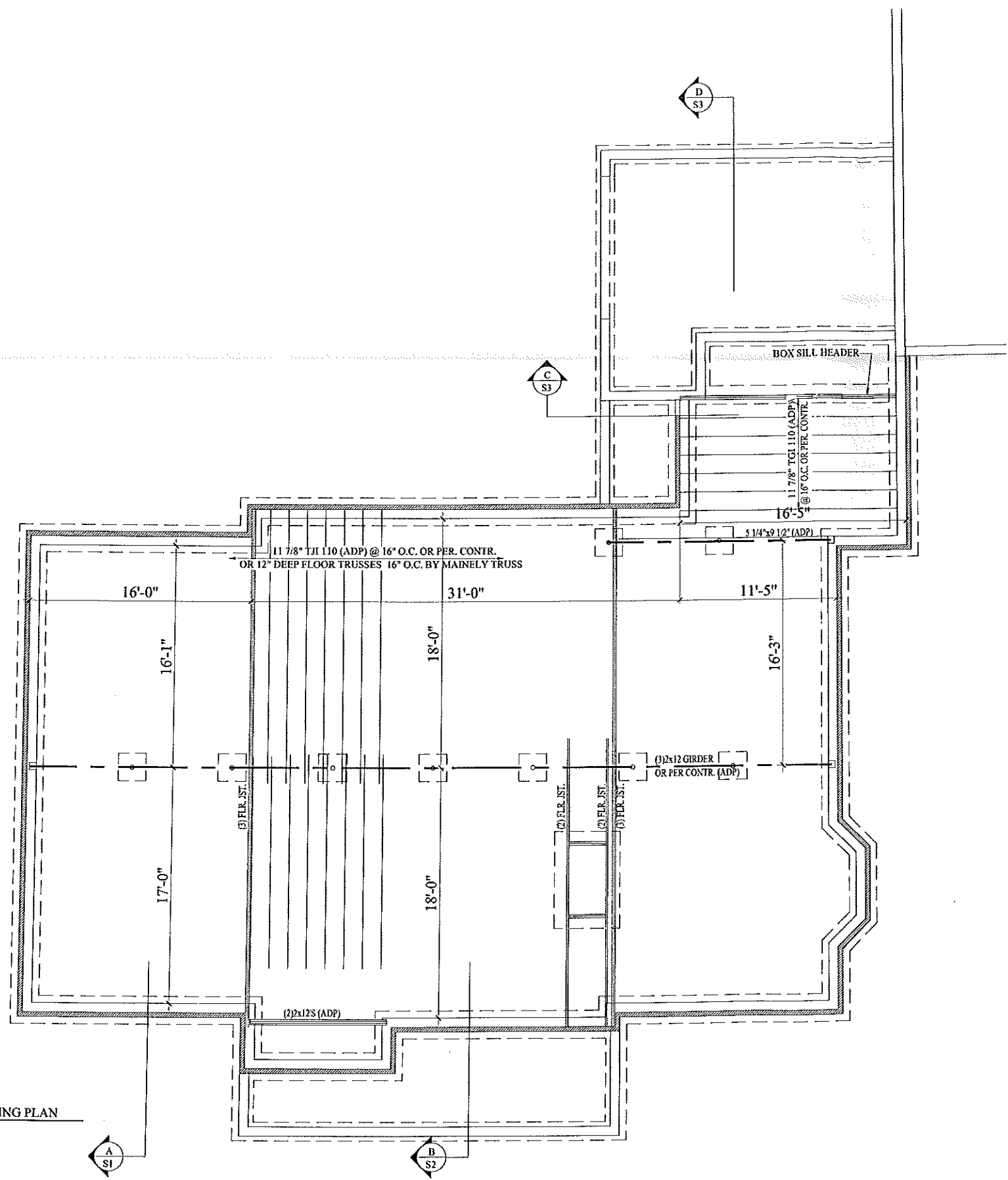
FIRST FLOOR FRAMING PLAN

CHAMBERLAIN CONSTRUCTION  
 1022 PORTLAND ROAD  
 SACO ME  
 PHONE: 252-7571

Builder's Name and Address

1	8/29/05	ENGINEER	REV.
	8/17/05		
		PKG.	
		REVISED/DATE	

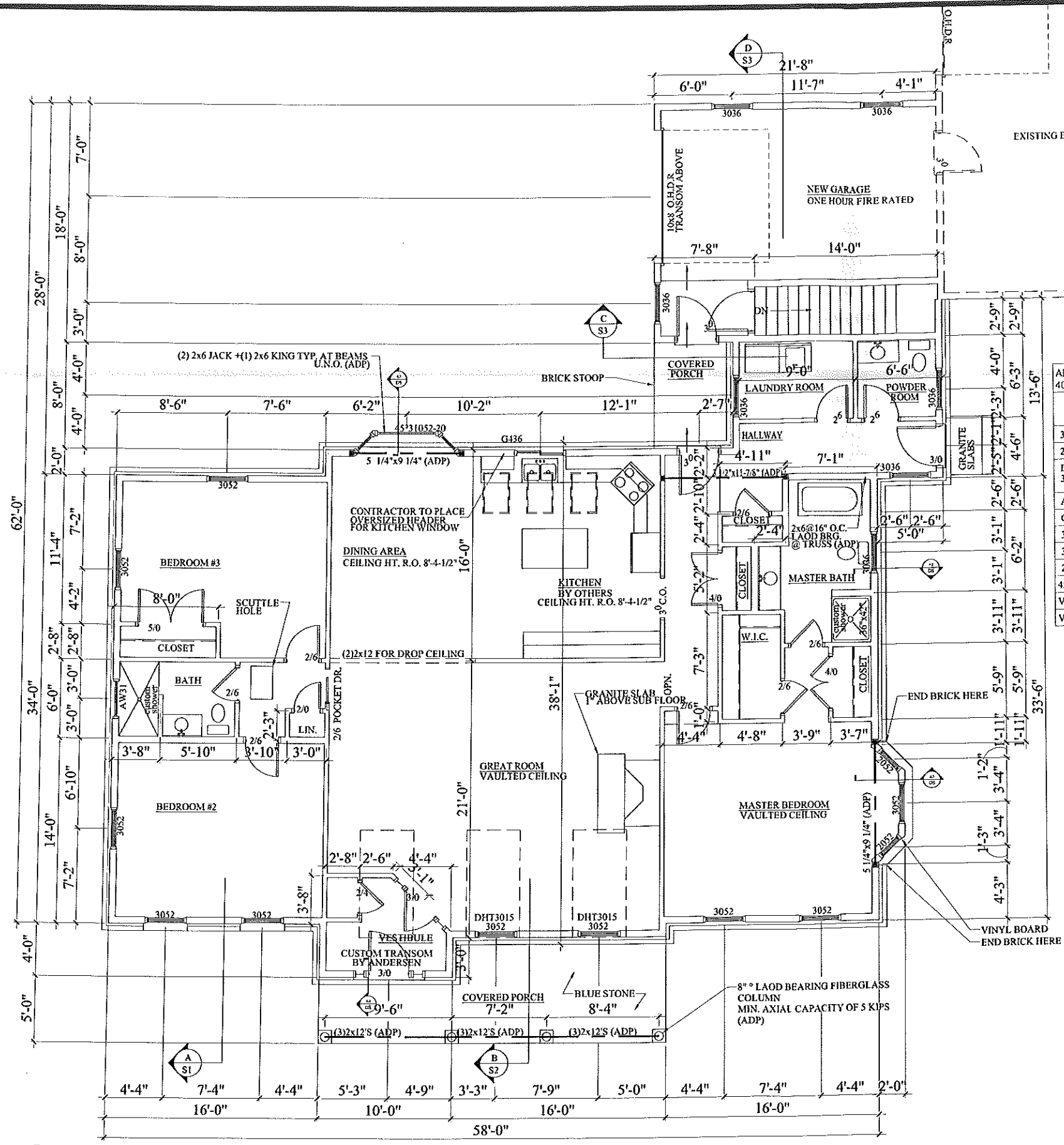
Project	WHITE	Sheet	A4
Date	5/10/05		
Scale	1/4"=1'-0"		



1 FRAMING PLAN  
 1/4" = 1'-0"

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  5. GENERAL CONTRACTOR TO COMPLY WITH BOCA 1999 TABLE 2305.2 FASTENING SCHEDULE.
  6. ALL STRUCTURAL STEEL TO BE ASTM 992 FY=50 KSI.



NOTE:  
 1. ALL WINDOWS ARE TO BE ANDERSEN 400 SERIES  
 2. ALL WINDOWS TO BE STAIN GRAINED  
 3. ALL WINDOWS ARE TO HAVE BRASS HARDWARE  
 4. ALL WINDOWS BOTTOM OF HEADER TO BE 6'-10" UNLESS TRANSOM ATTACHED

ANDERSEN 400 SERIES		WINDOW SCHEDULE				
MARK	UNIT SIZE	TYPE	QTY.	GRANITE SILLS	GRANITE LINTELS	NOTES
3052	3'-1-7/8" x 5'-4-7/8"	DBH	10	5 1/4" x 3'-9 7/8"	8" x 3'-9 7/8"	
2052	2'-1-5/8" x 5'-4-7/8"	DBH	2	5 1/4" x 2'-9 5/8"	8" x 2'-9 5/8"	
DHT3015 3052	3'-1-7/8" x 7'-0-3/16"	TRAN DBH	2	5 1/4" x 3'-9 7/8"	8" x 3'-9 7/8"	
AW31	2'-11-15/16" x 2'-4-3/8"	AWN	1	5 1/4" x 3'-7 15/16"	8" x 3'-7 15/16"	
G436	3'-11-1/4" x 3'-5-1/4"	GLIDER	1	5 1/4" x 4'-7 1/4"	8" x 4'-7 1/4"	
3036	3'-1-5/8" x 3'-8-7/8"	DBH	4	5 1/4" x 3'-9 5/8"	8" x 3'-9 5/8"	3 1/2" CASING
3036	3'-1-5/8" x 3'-8-7/8"	DBH	3	NONE	NONE	
2042	2'-1-5/8" x 4'-4-7/8"	DBH	3	NONE	NONE	
45'31052-20	7'-7-13/16" x 5'-6-3/4"	BAY	1	NONE	NONE	
VSE 108	21'-1/2" x 46'-3/8"	SKY	2	NONE	NONE	STATIONARY
VSE 108	21'-1/2" x 46'-3/8"	SKY	1	NONE	NONE	VENTING

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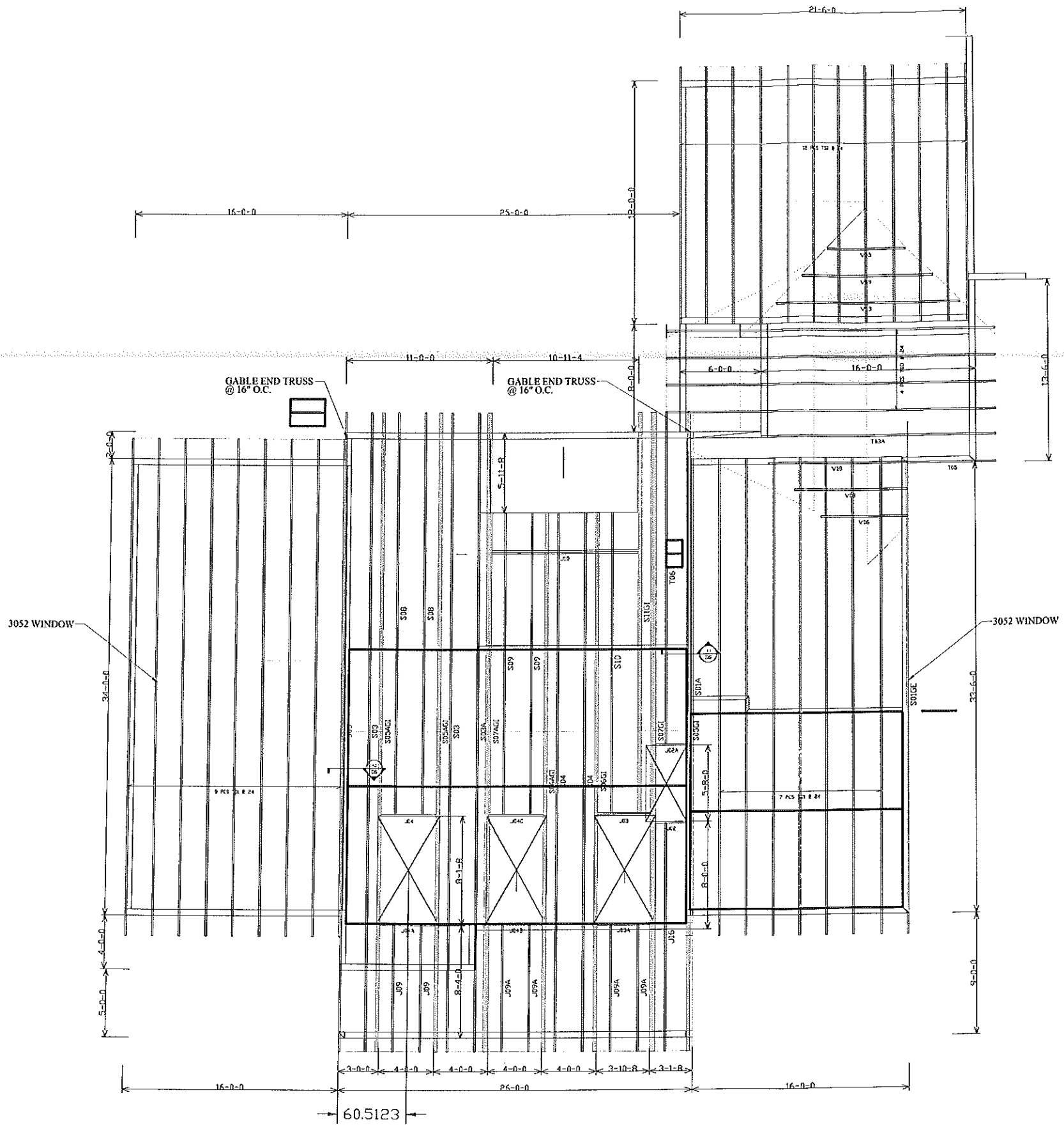
1 FIRST FLOOR PLAN  
 1/4" = 1'-0" FROM ROUND STONE WAY

FIRST FLOOR PLAN

CHAMBERLAIN CONSTRUCTION  
 1022 PORTLAND ROAD  
 SACO ME  
 PHONE: 282-7377

1	8/29/05	ENGINEER	REV.
		DATE	
		BY	
		REVISION/SCALE	DATE

Project: WHITE  
 Date: 8/19/05  
 Scale: 1/4"=1'-0"  
 Sheet: A5



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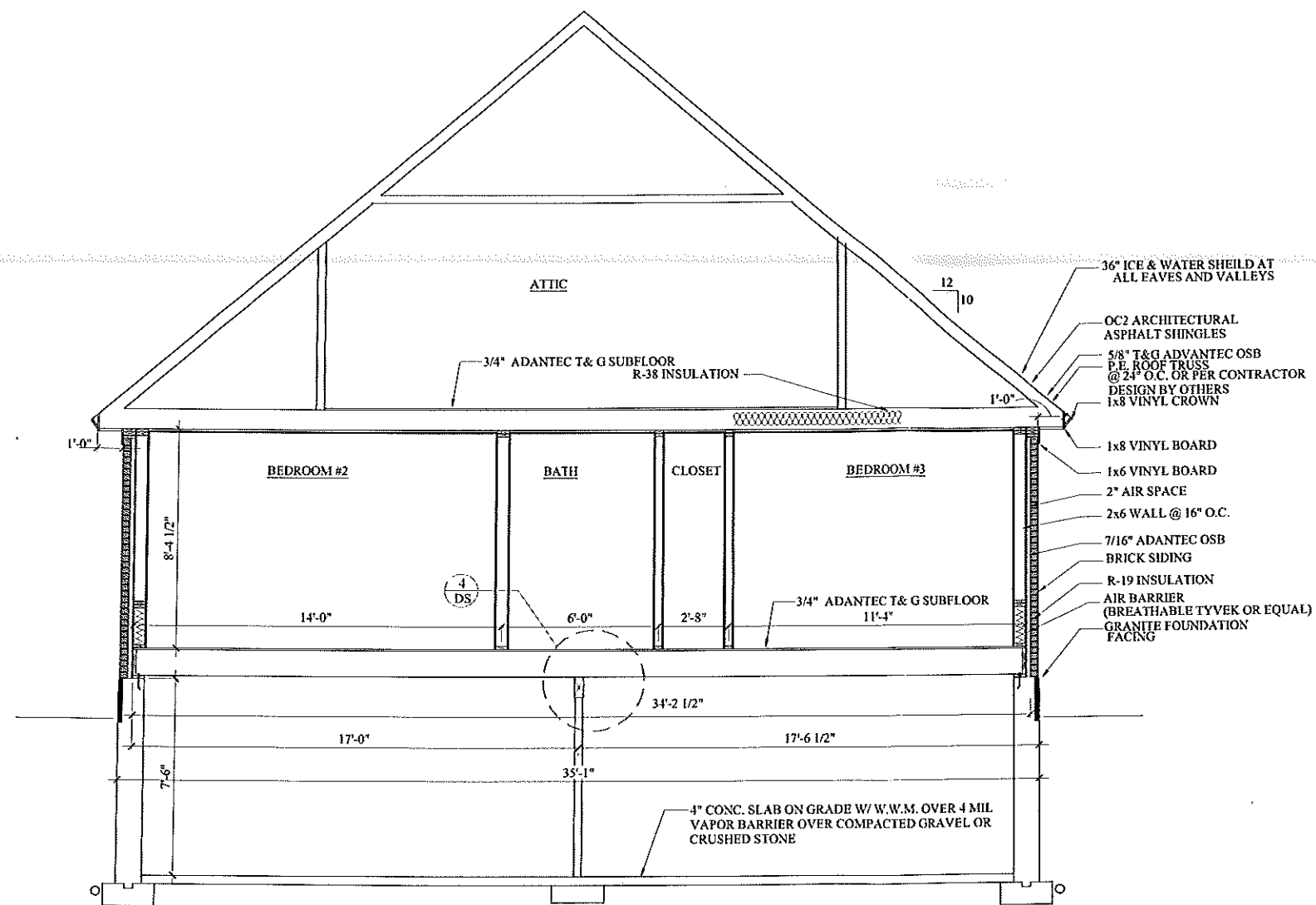
THE DESIGNER OF CHANGELAND CONSTRUCTION, INC. HAS REVIEWED THE DRAWINGS FOR CONFORMANCE WITH THE MINIMUM REQUIREMENTS OF THE BOCA BUILDING CODE, 1999 EDITION, AND HAS FOUND THEM TO BE IN CONFORMANCE WITH THE MINIMUM REQUIREMENTS OF THE BOCA BUILDING CODE, 1999 EDITION. THE DESIGNER HAS NOT REVIEWED THE DRAWINGS FOR CONFORMANCE WITH ANY OTHER CODES OR STANDARDS. THE DESIGNER'S REVIEW IS LIMITED TO THE STRUCTURAL DESIGN AND DOES NOT INCLUDE THE DESIGN OF THE FOUNDATION OR THE DESIGN OF THE MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER SYSTEMS. THE DESIGNER'S REVIEW IS LIMITED TO THE STRUCTURAL DESIGN AND DOES NOT INCLUDE THE DESIGN OF THE FOUNDATION OR THE DESIGN OF THE MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER SYSTEMS. THE DESIGNER'S REVIEW IS LIMITED TO THE STRUCTURAL DESIGN AND DOES NOT INCLUDE THE DESIGN OF THE FOUNDATION OR THE DESIGN OF THE MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER SYSTEMS.

ROOF FRAMING TRUSS DESIGN

Builders Name and Address  
**CONSTRUCTION AND DEVELOPMENT MANAGEMENT, LLC**

1	8/29/05	ENGINEER	REV.
2	8/17/05		
3			
4		Rev/Rev/Rev/Rev	Rev/Rev/Rev/Rev

PAUL WHITE  
 51805  
 14'-11" x 11'-0" **A6**



**A BUILDING SECTION**  
3/8"=1'-0"

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**BUILDING SECTIONS**

**CHAMBERLAIN CONSTRUCTION**  
1022 PORTLAND ROAD  
SACO ME  
PHONE: 262-7577

Builder's Name and Address

2	8/26/05	ENGINEER	REV.
	8/17/05		
1		CHK	
1		REVISION/DATE	DATE

Project	WHITE	Sheet	S1
Date	5/18/05		
Scale	1/4"=1'-0"		

THE ENGINEER OF CHAMBERLAIN CONSTRUCTION, INC. HAS REVIEWED THIS DRAWING FOR CONFORMANCE WITH THE MINIMUM REQUIREMENTS OF THE BUILDING CODES OF THE STATE OF OREGON. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DRAWING AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED HEREON. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DRAWING AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED HEREON.

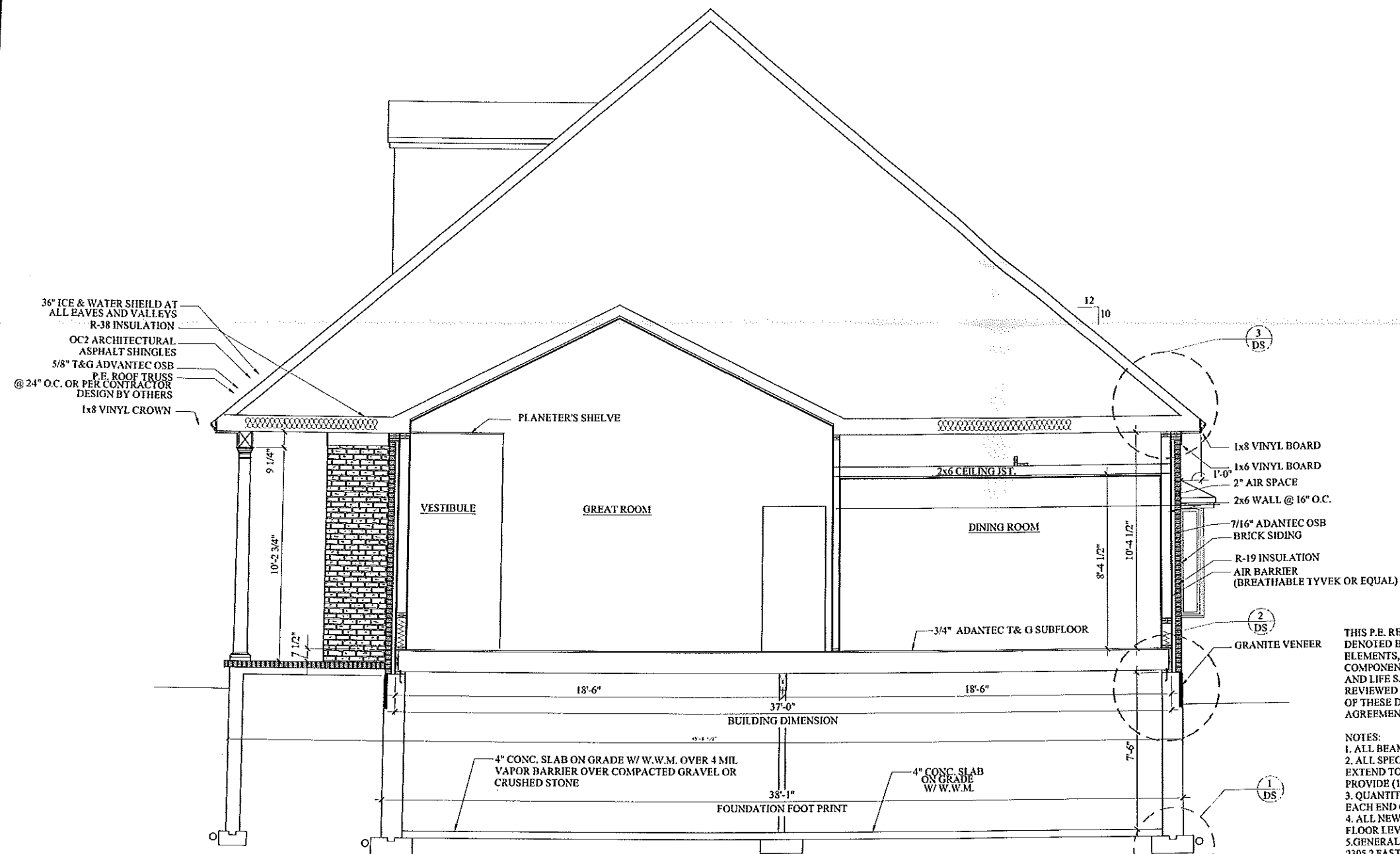
**BUILDING SECTIONS**

**CHAMBERLAIN CONSTRUCTION**  
 1022 PORTLAND ROAD  
 SACO ME  
 PHONE: 282-7377

Builder's Name and Address

1	8/23/05	ENGINEER REV.
2	8/17/05	CHK.
3		REVISOR/DATE

Project	WHITE	Sheet	S2
Date	5/19/06		
Scale	1/4"=1'-0"		

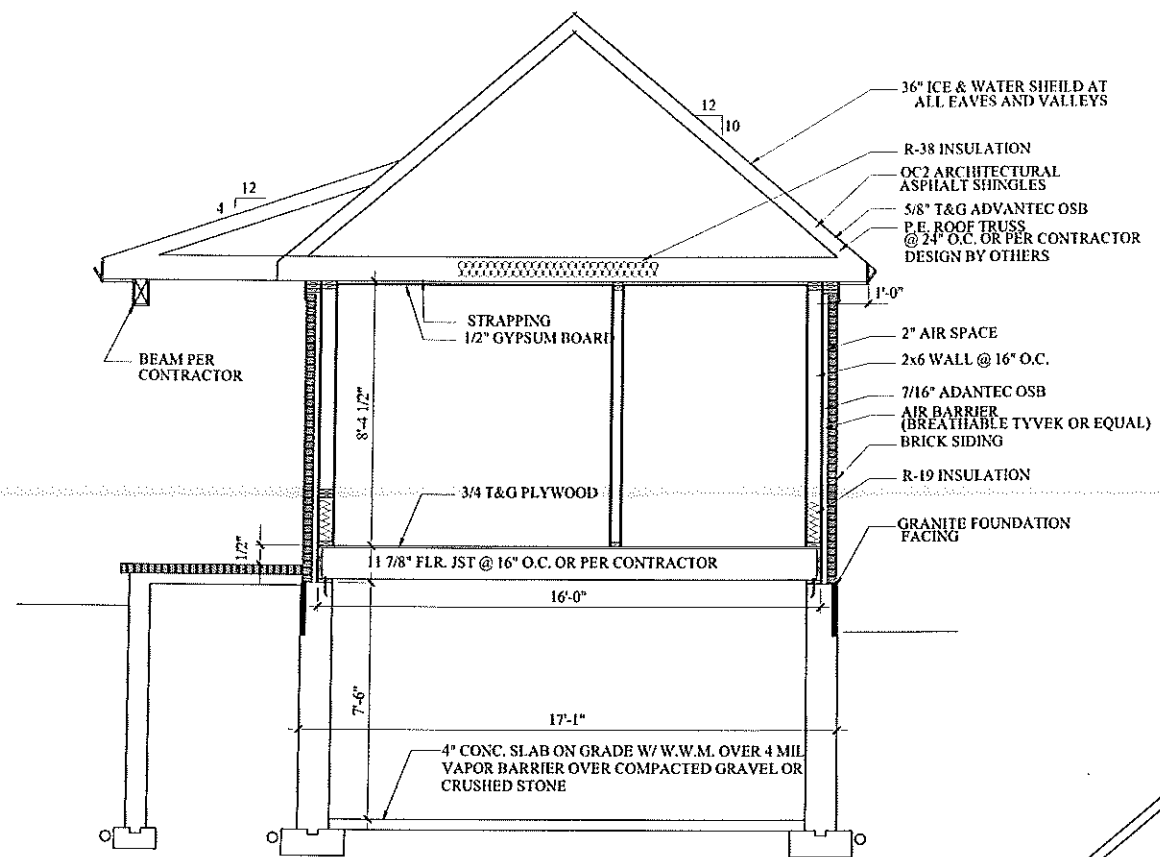


36" ICE & WATER SHIELD AT ALL EAVES AND VALLEYS  
 R-38 INSULATION  
 OC2 ARCHITECTURAL ASPHALT SHINGLES  
 5/8" T&G ADVANTEC OSB  
 P.E. ROOF TRUSS @ 24" O.C. OR PER CONTRACTOR DESIGN BY OTHERS  
 1x8 VINYL CROWN

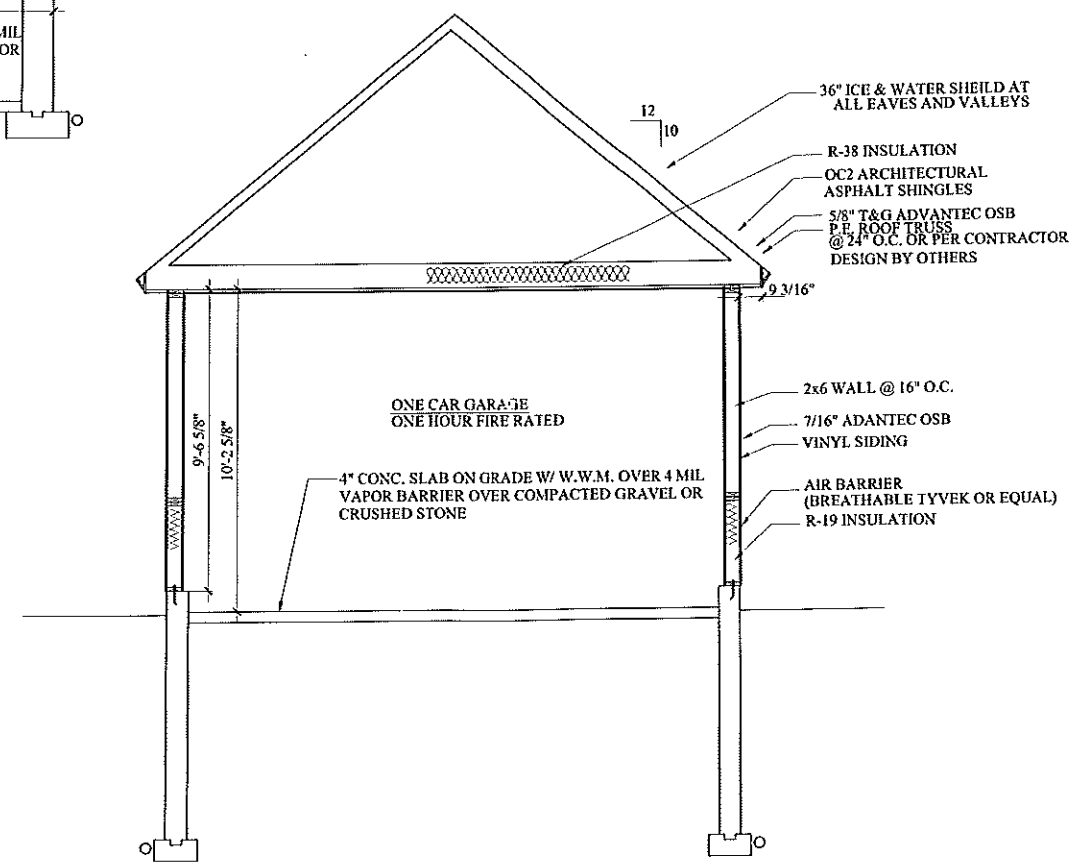
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**B BUILDING SECTION**  
 3/8"=1'-0"



**C BUILDING SECTION**  
3/8"=1'-0" BREEZWAY



**D BUILDING SECTION**  
3/8"=1'-0" GARAGE

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THE DESIGNER OF THESE DRAWINGS IS NOT PROVIDING ANY PROFESSIONAL ENGINEERING SERVICES AND IS NOT PROVIDING ANY PROFESSIONAL ARCHITECTURAL SERVICES. ALL SERVICES ARE PROVIDED BY CHAMBERLAIN CONSTRUCTION, INC. 1022 PORTLAND ROAD, SACONNE, MAINE 04268. CHAMBERLAIN CONSTRUCTION, INC. IS NOT PROVIDING ANY PROFESSIONAL ENGINEERING SERVICES AND IS NOT PROVIDING ANY PROFESSIONAL ARCHITECTURAL SERVICES. ALL SERVICES ARE PROVIDED BY CHAMBERLAIN CONSTRUCTION, INC. 1022 PORTLAND ROAD, SACONNE, MAINE 04268. CHAMBERLAIN CONSTRUCTION, INC. IS NOT PROVIDING ANY PROFESSIONAL ENGINEERING SERVICES AND IS NOT PROVIDING ANY PROFESSIONAL ARCHITECTURAL SERVICES. ALL SERVICES ARE PROVIDED BY CHAMBERLAIN CONSTRUCTION, INC. 1022 PORTLAND ROAD, SACONNE, MAINE 04268.

**BUILDING SECTIONS**

CHAMBERLAIN CONSTRUCTION  
1022 PORTLAND ROAD  
SACONNE  
PHONE: 732-7377

2	8/22/05	ENGINEER	REV.
	8/17/05		
Project	WHITE	Sheet	S3
Date	5/18/05		
Scale	1/4"=1'-0"		



Table R602.3(1)  
Fastener Schedule for Structural Members

Description of Building Elements	Number and Spacing of Fasteners	Type of Fastener (a,b,c,d)
Joist to sill or girder, toe nail	3-8d	-
1" x 6" subfloor or less to each joist, face nail	2-8d	-
2" subfloor to joist or girder, blind and face nail	2-staples 1 1/2"	-
Sole plate to joist or blocking, face nail	2-16d	-
Top or sole plate to stud, end nail	16d	16" o.c.
Stud to sole plate, toe nail	2-16d	-
Double studs, face nail	3-8d or 2-16d	-
Double top plates, face nail	10d	24" o.c.
Sole plate to joist or blocking at braced wall panels	10d	24" o.c.
Double top plates, minimum 24inch offset of end joints, face nail in lapped area	3-16d	16" o.c.
Blocking between joists or rafters to top plate nail	8-16d	-
Rim joist to top plate, toe nail	3-8d	-
Top plates, laps at corners and intersections, face nail	8d	6" o.c.
Continued header, two pieces	2-10d	-
Ballup header, two pieces with 1/2" spacer	2-10d	16" o.c. along each edge
Continued header, two pieces	16d	16" o.c. along each edge
Ceiling joists to plate, toe nail	16d	-
Continuous header to stud, toe nail	4-8d	-
Ceiling joist, laps over partitions, face nail	3-10d	-
Ceiling joist to parallel rafters, face nail	3-10d	-
Rafter to plate, toe nail	2-16d	-
1" brace to each stud/plate, face nail	2-8d	-
1" x 6" sheathing to each bearing, face nail	2-staples, 1 1/2"	-
1" x 6" sheathing to each bearing, face nail	2-staples, 1 1/2"	-
1" x 6" sheathing to each bearing, face nail	2-staples, 1 1/2"	-
Wider than 1" x 8" sheathing to each bearing, face nail	4-staples, 1 1/2"	-
Ballup corner studs	10d	24" o.c.
Ballup girders and beams, each lumber layer	16d	Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
2" planks	2-16d	At each bearing
Roof rafters to ridge, valley or hip rafters	4-16d	-
Toe nail	3-16d	-
Face nail	-	-
Rafter ties to rafters, face	3-8d	-

DETAILS AND SPECIFICATIONS

CHAMBERLAIN CONSTRUCTION  
1022 PORTLAND ROAD  
SALOME  
PHONE: 202-1577

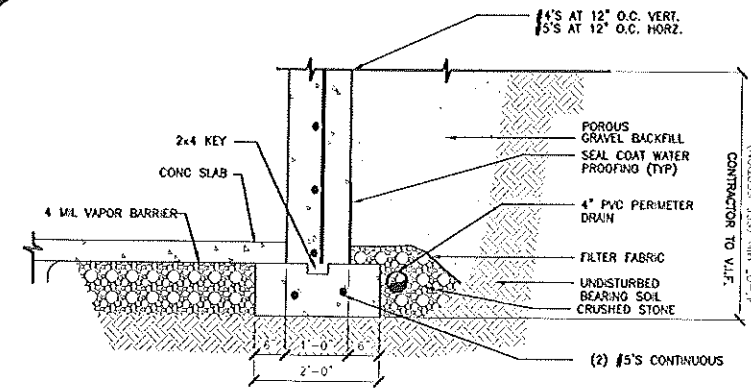
Builder's Name and Address

2	11/20/05	ENGINEER	REV.
	8/17/05		

Project	WHITE	Sheet	DS
Date	5/19/05		
Scale	1/4"=1'-0"		

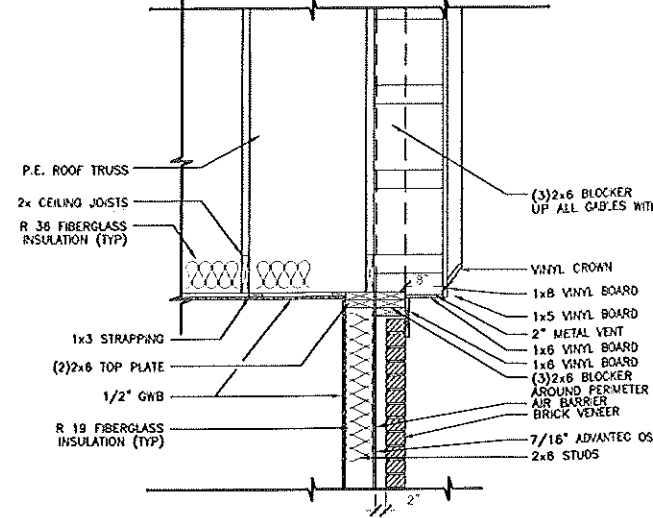
THIS P.E. REVIEW COVERS STRUCTURAL FRAMING MEMBERS DENOTED BY (ADP) ONLY. DESIGN AND DETAIL FOR FOUNDATION ELEMENTS, FRAMING CONNECTIONS (UNLESS OTHERWISE NOTED), COMPONENTS AND CLADDING, FINISHES, FLOOR PLAN LAYOUT, AND LIFE SAFETY CODE REQUIREMENTS HAVE NOT BEEN REVIEWED AND ARE BEYOND THE PURVIEW OF THIS P.E. SEAL. USE OF THESE DRAWINGS INDICATES OWNER/CONTRACTOR AGREEMENT TO THESE TERMS.

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  - GENERAL CONTRACTOR TO COMPLY WITH BOCA 1999 TABLE 2305.2 FASTENING SCHEDULE.
  - ALL STRUCTURAL STEEL TO BE ASTM 992 FY=50 KSI.



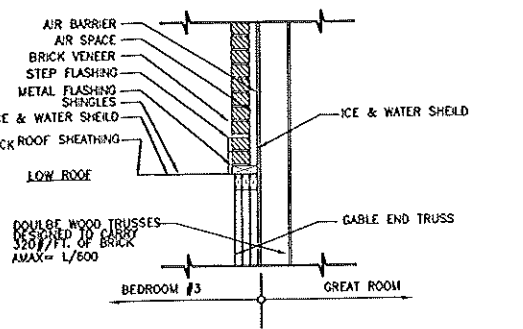
1 FOOTING DETAIL  
SCALE: 3/4"=1'-0"

NOTE: SUBSTITUTE FOOTING AND WALL SIZES WITH PLAN CALL-OUT.



3 A RAKE DETAIL GABLE ENDS ONLY  
SCALE: 3/4"=1'-0"

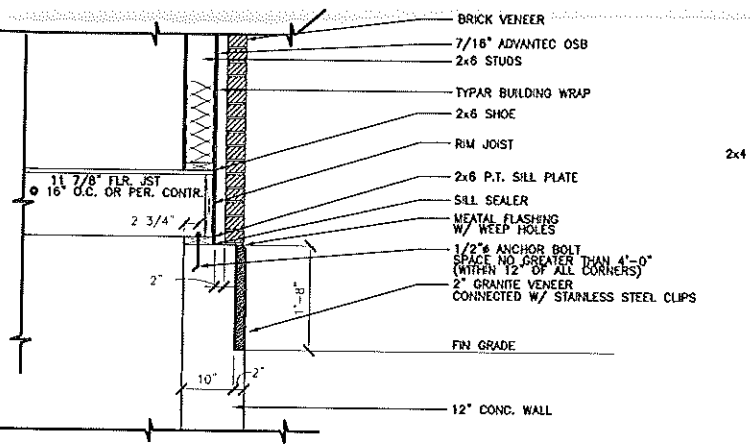
NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.



A1 FLASHING DETAIL @ HIGH/LOW (GABLE)  
SCALE: 3/4"=1'-0"

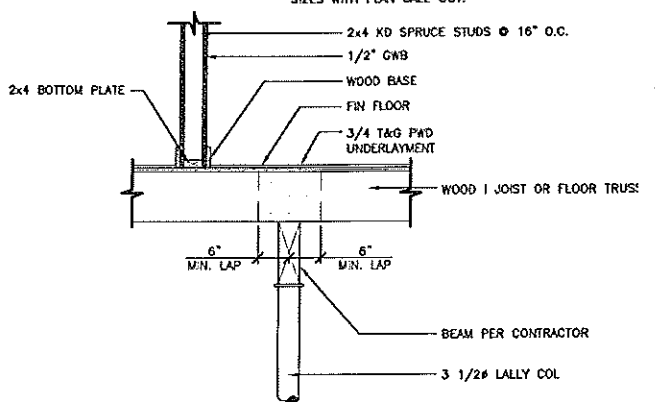
NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.

BRICK NOTE: BRICK VENEER W/ ADJUSTABLE TIES 1. TIE FOR EVERY 2.87 SQ. FT. OF WALL AREA TIES TO BE FASTENED W/ EXTERIOR SCREWS TO WALL (TYP.)



2 WALL BASE DETAIL  
SCALE: 3/4"=1'-0"

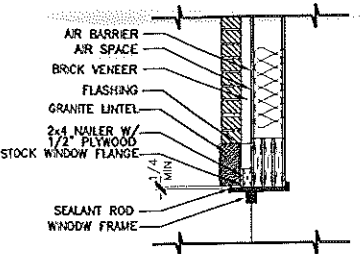
NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.



4 COLUMN/GIRDER DETAIL  
SCALE: 3/4"=1'-0"

NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.

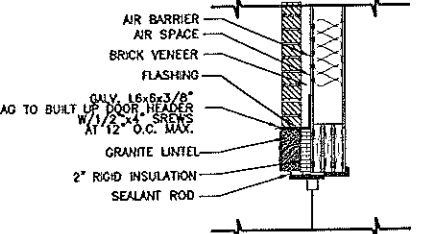
2. OPTIONAL FRAMING - CONTRACTOR TO VERIFY WALL HEIGHTS.



A2 DETAIL @ WINDOWS  
SCALE: 3/4"=1'-0"

NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.

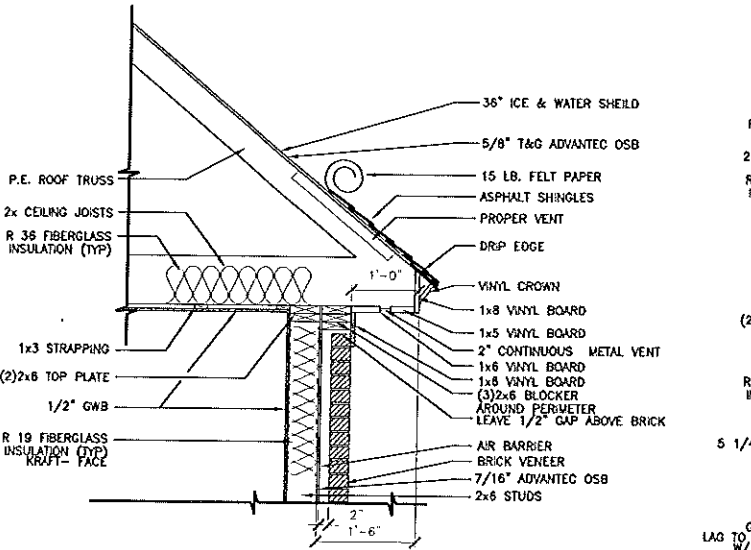
BRICK NOTE: BRICK VENEER W/ ADJUSTABLE TIES 1. TIE FOR EVERY 2.87 SQ. FT. OF WALL AREA TIES TO BE FASTENED W/ EXTERIOR SCREWS TO WALL (TYP.)



A3 SECTION @ FRONT DOOR  
SCALE: 3/4"=1'-0"

NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.

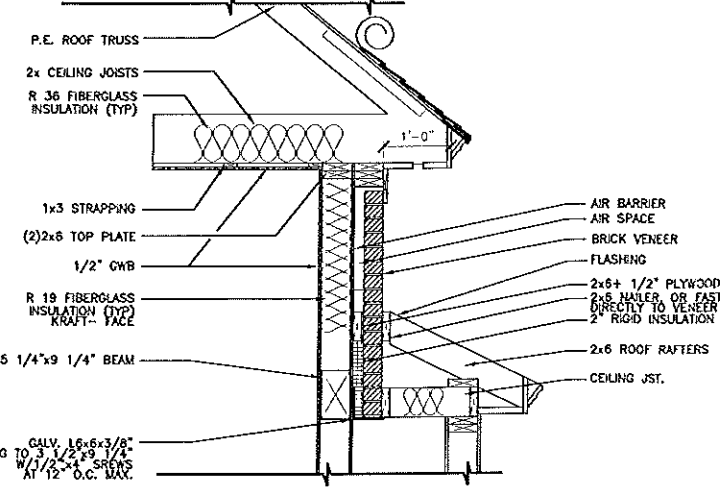
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3 SOFFIT DETAIL  
SCALE: 3/4"=1'-0"

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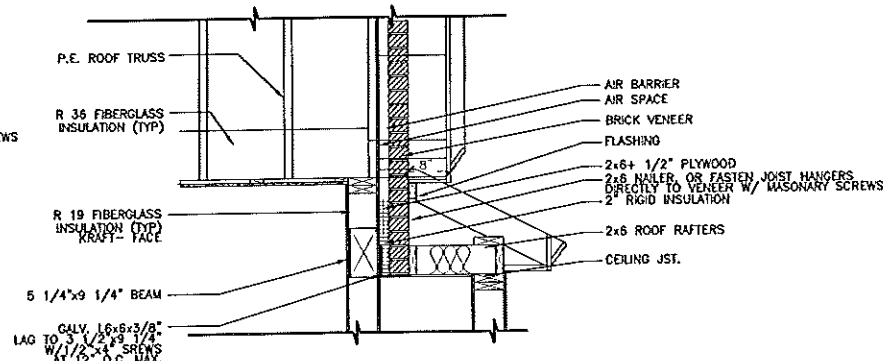
BRICK NOTE: BRICK VENEER W/ ADJUSTABLE TIES 1. TIE FOR EVERY 2.87 SQ. FT. OF WALL AREA TIES TO BE FASTENED W/ EXTERIOR SCREWS TO WALL (TYP.)



A4 SECTION @ WINDOW KITCHEN BUMP OUTS  
SCALE: 3/4"=1'-0"

NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.

BRICK NOTE: BRICK VENEER W/ ADJUSTABLE TIES 1. TIE FOR EVERY 2.87 SQ. FT. OF WALL AREA TIES TO BE FASTENED W/ EXTERIOR SCREWS TO WALL (TYP.)



A5 SECTION @ MASTER BEDROOM WINDOW BUMP OUT  
SCALE: 3/4"=1'-0"

NOTE: SUBSTITUTE JOIST AND RAFTER SIZES WITH PLAN CALL-OUT.

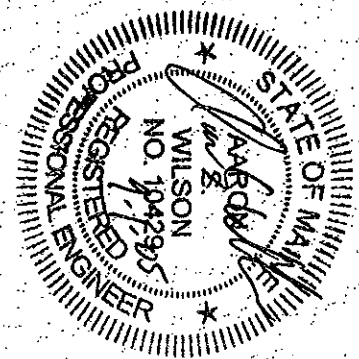
BRICK NOTE: BRICK VENEER W/ ADJUSTABLE TIES 1. TIE FOR EVERY 2.87 SQ. FT. OF WALL AREA TIES TO BE FASTENED W/ EXTERIOR SCREWS TO WALL (TYP.)

nail		4 staples, 1 3/4"	
Built-up corner studs	10d		24" o.c.
Built-up girders and beams, 2inch lumber layers	10d		Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
2" planks		2-16d	At each bearing
Roof rafters to ridge, valley or hip rafters:		4-16d	
Toe nail		3-16d	
Face nail			
Rafter ties to rafters, face		3-8d	

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NOTES:

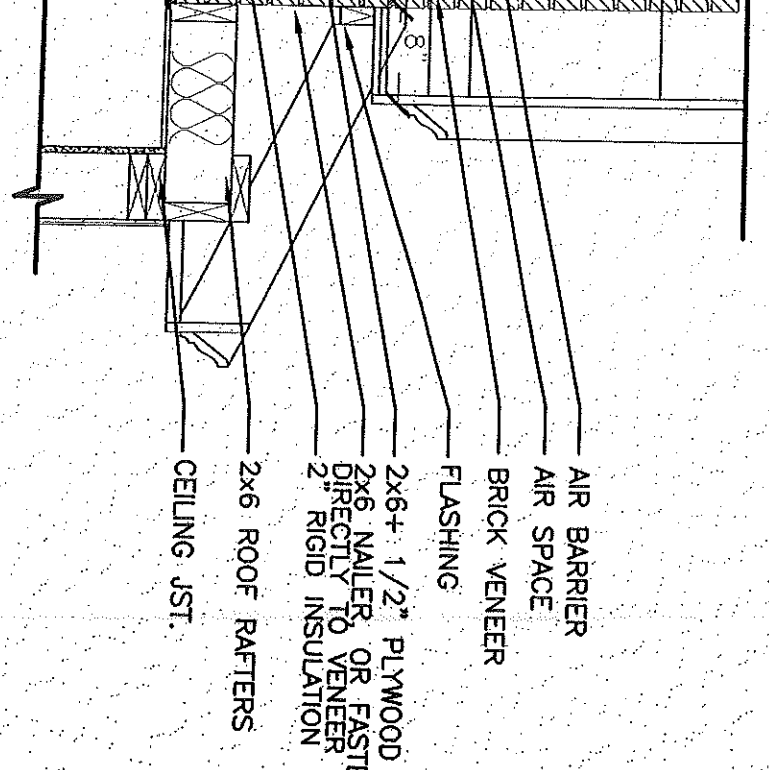
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*Stamp is also on*

*A-3, A-4, A-5*

*JWB*



STER BEDROOM WINDOW BUMP OUT

OF WALL EXTERIOR SCREWS TO WALL (TYP.)

DETAILS AND SPEC

Builders Name and Address

**CHAMBERLAIN CONSTRUCTION**

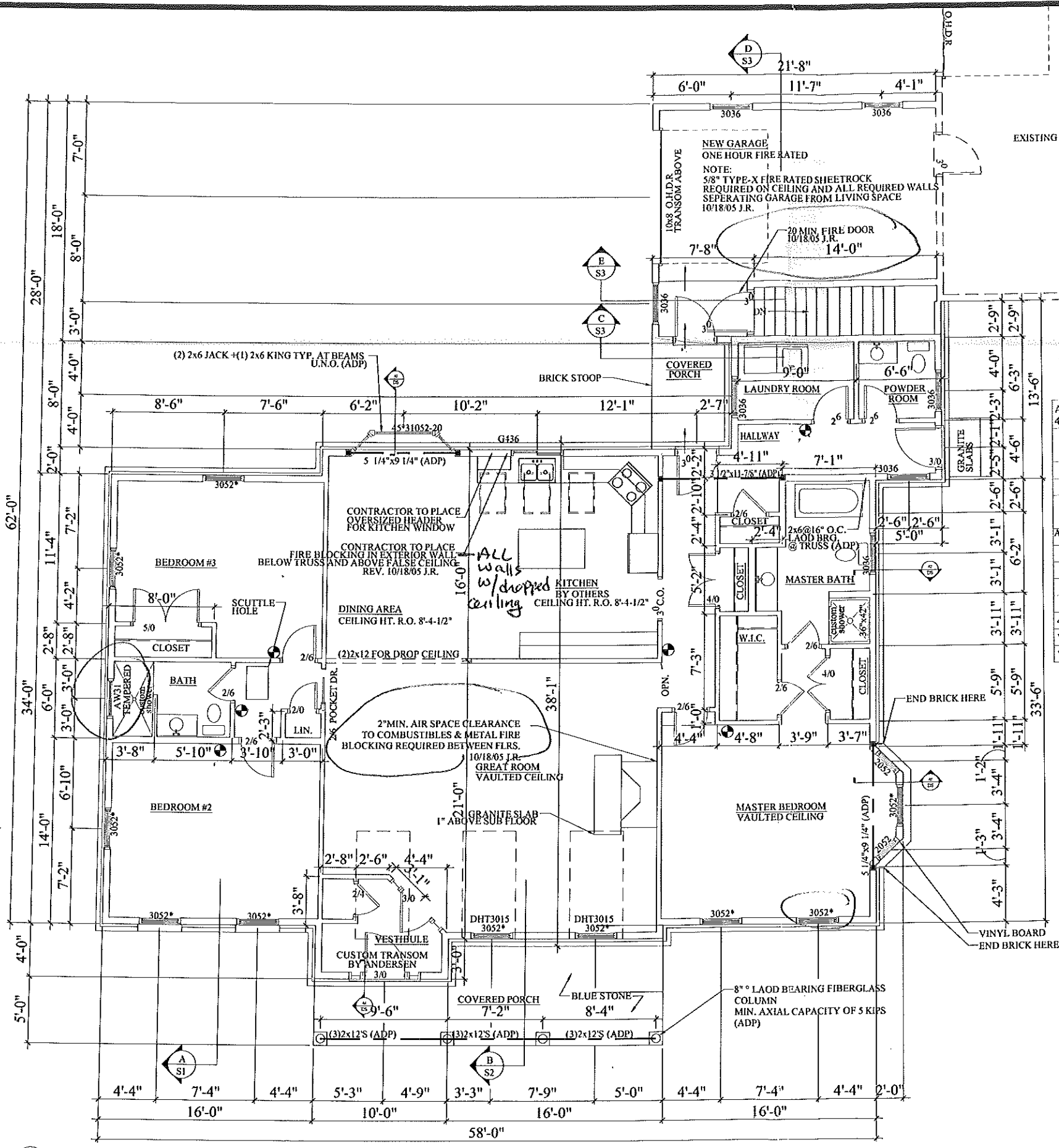
1022 PORTLAND ROAD  
SACO ME  
PHONE: 282-7377

2.	8/29/05	ENGINEER	REV.
	8/17/05	FINAL	
No.	Revision/Issue	Date	

Project: WHITE Sheet: DS

Date: 5/19/05

Scale: 1/4"=1'-0"



CITY OF PORTLAND, MAINE  
 APPROVED CONSTRUCTION PLANS  
 OCT 19 2005  
 SUPERSEDES ALL  
 PRIOR DATED PLANS

NOTE:  
 1. ALL WINDOWS ARE TO BE ANDERSEN 400 SERIES  
 2. ALL WINDOWS TO BE STAIN GRAINED  
 3. ALL WINDOWS ARE TO HAVE BRASS HARDWARE  
 4. ALL WINDOWS BOTTOM OF HEADER TO BE 6'-10"  
 UNLESS TRANSOM ATTACHED  
 5. 3052* DOUBLE HUNG WINDOW MEETS AND EXCEEDS  
 EGRESS REQUIREMENTS  
 A. CLEAR OPENABLE AREA OF 5.7 SQ. FT.  
 B. CLEAR OPENABLE WIDTH OF 20"  
 C. CLEAR OPENABLE HEIGHT OF 24"

ANDERSEN 400 SERIES WINDOW SCHEDULE									
MARK	UNIT SIZE		TYPE	QTY	U. FACTOR	GRANITE SILLS	GRANITE LINTELS	NOTES	
	WIDTH	HEIGHT							
TW3052* egress	3'-1-5/8"	5'-4-7/8"	DBH	10	0.28%	5 1/4"x3'-9 7/8"	8"x3'-9 7/8"		
TW2052	2'-1-5/8"	5'-4-7/8"	DBH	2	0.28%	5 1/4"x2'-9 5/8"	8"x2'-9 5/8"		
DHT3015 3052*	3'-1-5/8"	7'-0-3/16"	TRAN DBH	2	0.28%	5 1/4"x3'-9 7/8"	8"x3'-9 7/8"		
AW31 tempered	2'-11-15/16"	2'-4-3/8"	AWN	1	0.28%	5 1/4"x3'-7 15/16"	8"x3'-7 15/16"		
G436	3'-11-1/4"	3'-5-1/4"	GLIDER	1	0.28%	5 1/4"x4'-7 1/4"	8"x4'-7 1/4"		
TW3036	3'-1-5/8"	3'-8-7/8"	DBH	4	0.28%	5 1/4"x3'-9 5/8"	8"x3'-9 5/8"	3 1/2" CASING	
TW2042	2'-1-5/8"	4'-4-7/8"	DBH	3	0.28%	NONE	NONE		
45*31052-20	7'-7-13/16"	5'-6-3/4"	BAY	1	0.28%	NONE	NONE		
VSE 108	21-1/2"	46-3/8"	SKY	2		NONE	NONE	STATIONARY	
VSE 108	21-1/2"	46-3/8"	SKY	1		NONE	NONE	VENTING	

NOTES:  
 SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS  
 1. EACH SLEEPING AREA  
 2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS  
 3. ON EACH ADDITIONAL STORY OF THE DWELLING INCLUDING BASEMENTS  
 4. ALL SMOKE ALARMS SHALL BE INTERCONNECTED  
 * EGRESS WINDOW  
 10/18/05 J.R.

DEPT. OF BUILDING INSPECTION  
 CITY OF PORTLAND, ME  
 OCT 19 2005  
 RECEIVED

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 6. ALL STRUCTURAL STEEL TO BE ASTM 992 FY=50 KSI.

1 FIRST FLOOR PLAN  
 1/4" = 1'-0" FROM ROUND STONE WAY

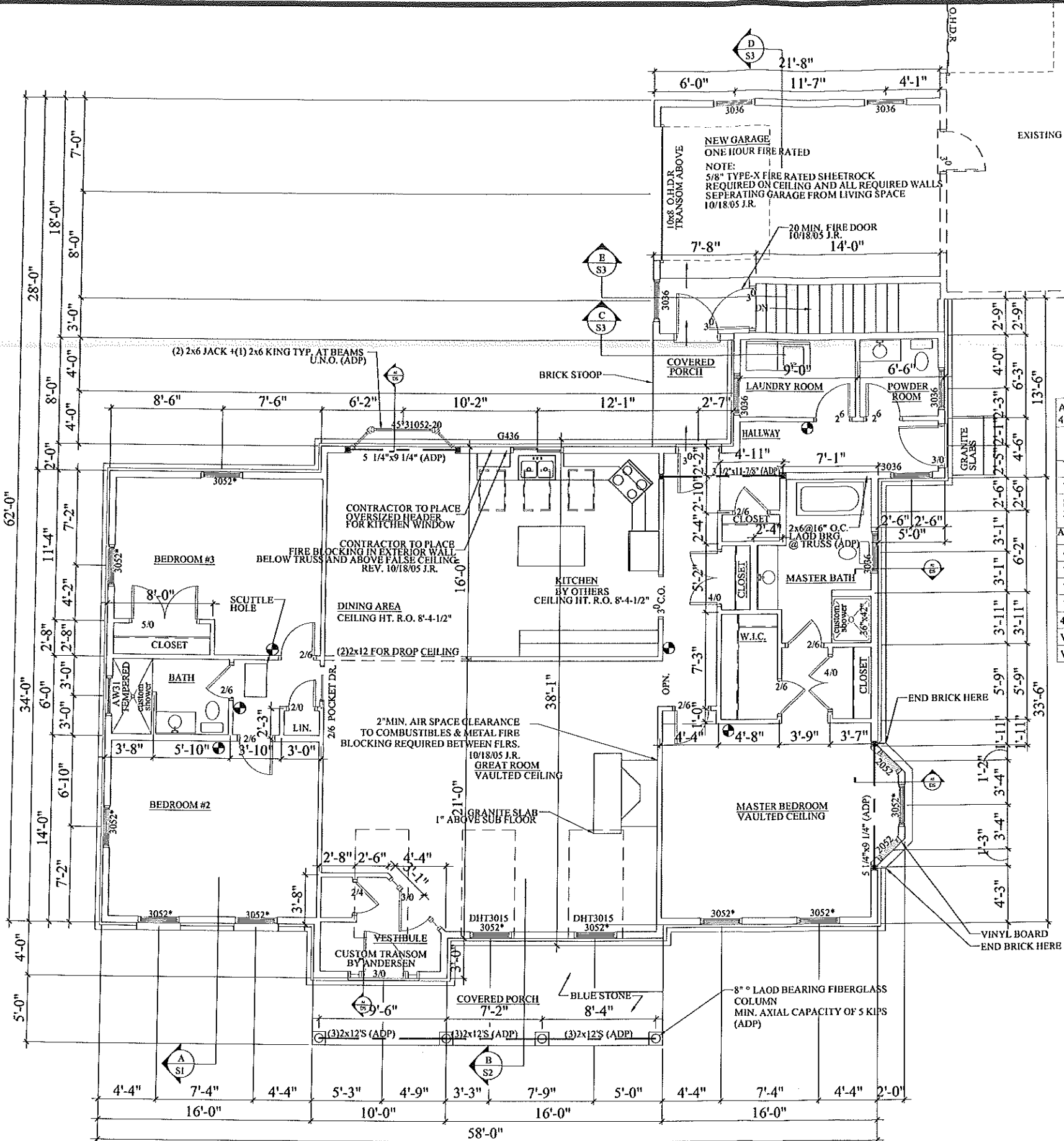
FIRST FLOOR PLAN

CHAMBERLAIN CONSTRUCTION  
 1022 PORTLAND ROAD  
 SACO ME  
 PHONE: 252-7377

THE DRAWINGS OF CHAMBERLAIN CONSTRUCTION ARE THE PROPERTY OF CHAMBERLAIN CONSTRUCTION AND ARE NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF CHAMBERLAIN CONSTRUCTION. ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. LOCAL CODES AND REGULATIONS SHALL APPLY. NO PART OF THIS DRAWING SHALL BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF CHAMBERLAIN CONSTRUCTION.

2	8/23/05	ENGINEER/REV
1	8/17/05	DATE
		FINAL
		REVISION/DATE
		DATE

Printed WHITE Sheet  
 Date 5/19/05  
 Size 14"x11" A5



CITY OF PORTLAND, MAINE  
 APPROVED CONSTRUCTION PLANS  
 OCT 19 2005  
 SUPERSEDES ALL  
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VSE 108	21-1/2"	46-3/8"	SKY	2		NONE	NONE	STATIONARY
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DEPT. OF BUILDING INSPECTION  
 CITY OF PORTLAND, ME  
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 1/4" = 1'-0" FROM ROUND STONE WAY

FIRST FLOOR PLAN

CHAMBERLAIN CONSTRUCTION  
 1022 PORTLAND ROAD  
 SACO ME  
 PHONE: 282-7577

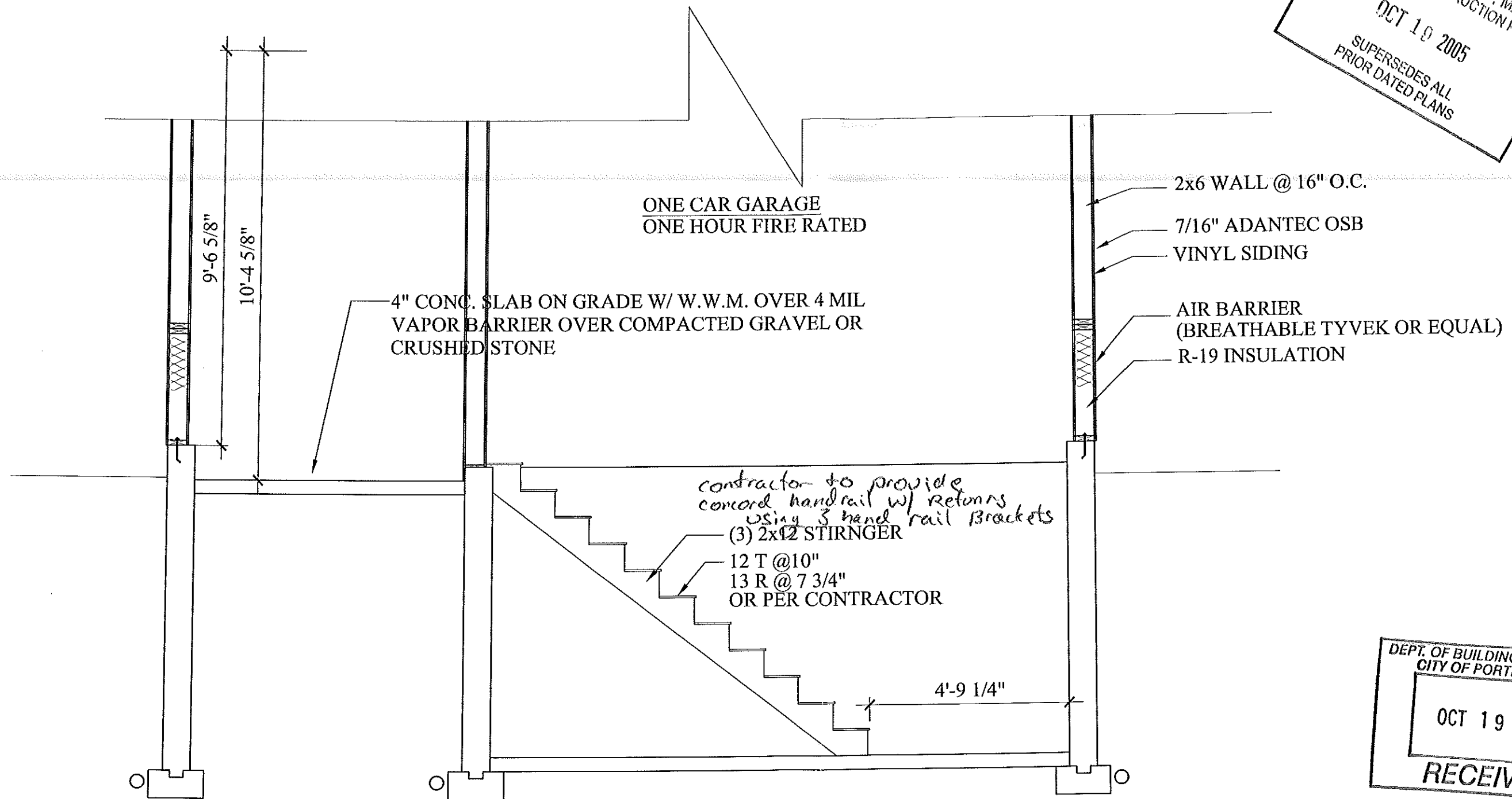
1	8/22/05	ENGINEER	REV
2	8/17/05		
3		FINAL	
4	8/22/05	REVISED	

Printed: WHITE  
 Date: 8/19/05  
 Scale: 1/4"=1'-0"

A5

REVISED 10/18/05 J.R.

CITY OF PORTLAND, MAINE  
APPROVED CONSTRUCTION PLANS  
OCT 19 2005  
SUPERSEDES ALL  
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DEPT. OF BUILDING INSPECTION  
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**E** BUILDING SECTION  
3/8"=1'-0" GARAGE



# Product Data

## VENTING SKYLIGHTS WITH FLAP

Model FSF	104	106	304	308	606
Outside frame (w x h)	in. 21 1/4 x 38 1/4 mm (548 x 978)	21 1/4 x 46 1/4 (548 x 1178)	30 1/4 x 38 1/4 (778 x 978)	30 1/4 x 55 (778 x 1398)	44 1/4 x 46 1/4 (1138 x 1178)
Finished frame dimension (w x h)	in. 20 1/4 x 37 1/4 mm (521 x 945)	20 1/4 x 45 1/4 (521 x 1145)	29 1/4 x 37 1/4 (751 x 945)	29 1/4 x 53 1/4 (751 x 1365)	43 1/4 x 45 1/4 (1111 x 1145)
Rough opening for EDL/EDW/EDM (w x h)	in. 21 1/4 x 39 mm (548 x 991)	21 1/4 x 48 1/4 (548 x 1191)	30 1/4 x 39 (775 x 991)	30 1/4 x 55 1/4 (775 x 1411)	44 1/4 x 46 1/4 (1138 x 1191)
Rough opening for ECX Flat Roof Curb (w x h)	in. 21 1/4 x 46 1/4 mm (548 x 1172)	21 1/4 x 54 1/4 (548 x 1383)	30 1/4 x 46 1/4 (775 x 1172)	30 1/4 x 63 1/4 (775 x 1615)	44 1/4 x 54 1/4 (1138 x 1383)
Rough opening for EMX Roof Curb (w x h)	in. 21 1/4 x 41 1/4 mm (548 x 1051)	21 1/4 x 49 1/4 (548 x 1254)	30 1/4 x 41 1/4 (775 x 1051)	30 1/4 x 58 1/4 (775 x 1472)	44 1/4 x 49 1/4 (1138 x 1254)
Daylight area (glass) (w x h)	in. 18 1/4 x 32 1/4 sq. ft. 4.11	18 1/4 x 40 1/4 5.11	27 1/4 x 32 1/4 6.16	27 1/4 x 49 1/4 9.30	41 1/4 x 40 1/4 11.64
Ventilation area (opening)	sq. in. 13.30	13.30	19.50	19.50	29.10
Net weight (with lam. glass)	lbs. 44	52	58	77	94

# TRUSS SERIES SKYLIGHTS

Model	FS 150	FS 156	VSE/VS 156
Outside frame (w x h)	in. 23 1/4 x 23 1/4 mm (592 x 598)	23 1/4 x 46 1/4 (592 x 1178)	23 1/4 x 46 1/4 (592 x 1178)
Finished frame dimension (w x h)	in. 22 1/4 x 22 1/4 mm (572 x 572)	22 1/4 x 45 1/4 (572 x 1151)	22 1/4 x 45 1/4 (572 x 1151)
Rough opening for EDL/EDW/EDM (w x h)	in. 22 1/4 x 22 1/4 mm (572 x 572)	22 1/4 x 45 1/4 (572 x 1151)	22 1/4 x 45 1/4 (572 x 1151)
Rough opening for ECX Flat Roof Curb (w x h)	in. NOT AVAILABLE mm	NOT AVAILABLE	NOT AVAILABLE
Rough opening for EMX Roof Curb (w x h)	in. NOT AVAILABLE mm	NOT AVAILABLE	NOT AVAILABLE
Daylight area (glass) (w x h)	in. 19 1/4 x 20 1/4 sq. ft. 2.78	19 1/4 x 20 1/4 5.86	19 1/4 x 20 1/4 5.11
Ventilation area (opening)	sq. ft. N/A	N/A	4.27
Net weight (with lam. glass)	lbs. 29	48	63

# ROOF WINDOWS

Model GPL	M08	S06
Outside frame (w x h)	in. 30 1/4 x 55 mm (778 x 1397)	44 1/4 x 46 1/4 (1137 x 1178)
Rough opening (w x h)	in. 31 1/4 x 55 1/4 mm (794 x 1410)	45 1/4 x 46 1/4 (1149 x 1191)
Daylight area (glass) (w x h)	in. 23 1/4 x 45 1/4 sq. ft. 7.4	37 1/4 x 36 1/4 9.6
Ventilation area (opening)	sq. ft. 11.34	18.27
Ventilation flap area	sq. in. 30.00	47.81
Net weight (with glass)	lbs. 105	125

Model GDL CABRIO	P19
Outside frame (w x h)	in. 37 1/4 x 99 1/4 mm (941 x 2520)
Rough opening (w x h)	in. 39 1/4 x 101 mm (1000 x 2565)
Daylight area (upper)	(w x h) in. 30 x 53 1/4 sq. ft. 11.1
Daylight area (lower)	(w x h) in. 30 x 28 1/4 sq. ft. 6.0
Ventilation area (upper sash section only)	sq. ft. 22.5
Ventilation flap area	sq. in. 36.7
Net weight (with glass)	310 lbs.

Note: In Comb applications with Model GDL, 4" frame-to-frame spacing is required for proper flashing.  
**NOTE:** Roof windows are not designed to be used in combination with skylights.

**ARCHITECTURAL SPECIFICATIONS**  
 Architectural specifications for VELUX products are available at [www.VELUXusa.com/specifications](http://www.VELUXusa.com/specifications).

# Testing Data

## VENTING SKYLIGHTS

### MODELS VSE AND VS TEST RESULTS

AIR INFILTRATION ¹		
	1.57 psf	75 Pa
	0.17 cfm/ft ²	0.86 l/s/m ²
WATER RESISTANCE ²		
	2.86 psf @ 5 US gal/ft ² /h	140 Pa @ 3.4 l/m ² /min
	No Entry	No Entry
THERMAL PERFORMANCE		
<small>(Complete unit values.) All thermal performance SHGC, U-Factor values for VELUX Skylights are NFRC certified, labeled and listed in the NFRC Product Directory. (In accordance with NFRC procedures.)</small>		
GLASS	Comfort (75) Tempered, Low-E, Argon Gas-filled	ComfortPlus (74) Laminated, Low-E, Argon Gas-filled
U-Factor (R-Factor)	0.38 (2.6)	0.40 (2.5)
SHGC	0.28	0.28
V _i	0.43	0.42
FADING PROTECTION %		
GLAZING	CLASSICAL UV PROTECTION %	TOTAL FADING PROTECTION %
Comfort (75)	87%	75%
ComfortPlus (74)	99.9%	83%
STRUCTURAL PERFORMANCE ^{3,4}		
	DOWNWARD LOAD	WIND UPLIFT
Laminated, Heat-Strengthened	1275 (psf)	2296 (psf)
Laminated, Tempered	108-182 (psf)	2296 (psf)

### MODELS QVE AND QVM TEST RESULTS

AIR INFILTRATION ¹		
	1.57 psf	75 Pa
	0.03 cfm/ft ²	0.15 l/s/m ²
WATER RESISTANCE ²		
	12.00 psf @ 5 US gal/ft ² /h	575 Pa @ 3.4 l/m ² /min
	No Entry	No Entry
THERMAL PERFORMANCE		
<small>(Complete unit values.) All thermal performance SHGC, U-Factor values for VELUX Skylights are NFRC certified, labeled and listed in the NFRC Product Directory. (In accordance with NFRC procedures.)</small>		
GLASS	Comfort (75) Tempered, Low-E, Argon Gas-filled	ComfortPlus (74) Laminated, Low-E, Argon Gas-filled
U-Factor (R-Factor)	0.39 (2.6)	0.41 (2.4)
SHGC	0.31	0.30
V _i	0.47	0.46
FADING PROTECTION %		
GLAZING	CLASSICAL UV PROTECTION %	TOTAL FADING PROTECTION %
Comfort (75)	87%	75%
ComfortPlus (74)	99.9%	83%
STRUCTURAL PERFORMANCE ^{3,4}		
	DOWNWARD LOAD	WIND UPLIFT
Laminated, Heat-Strengthened	520 (psf)	105 (psf)

¹ Tested in accordance with AAMA/WDMA 1600/IS7 2000, VOLUNTARY SPECIFICATION FOR SKYLIGHTS. Size 606 unit tested at a 15° roof pitch.  
² Model VS tested in accordance with ICBO Evaluation Services, Inc. Acceptance Criteria for Sloped Glazing in Solariums, Patio Covers and Prefabricated Skylights. See National Evaluation Service Report No. NER 216 and ICBOES Report ER-6075. Model VSE is WDMA Hallmark certified. See Hallmark Report No. 426.

³ Tested in accordance with AAMA/WDMA 1600/IS7 2000, VOLUNTARY SPECIFICATION FOR SKYLIGHTS. Size 606 unit tested at a 15° roof pitch.



