WILDWOOD

APPLICATION FOR THE CITY OF WILDWOOD'S
ARCHITECTURAL REVIEW BOARD
(please read thoroughly)

The following information and items shall be provided to the Department of Planning for processing and dissemination in association with scheduling of submittals before the City of Wildwood's Architectural Review Board (ARB). The ARB meets on the second Thursday of each month, unless otherwise changed, with the submittal deadline being 2:00 p.m. on the Monday ten (10) days prior to the meeting. If the agenda cannot support the number of submitted applications, a special meeting may be requested by the applicant or the item will be carried over to the succeeding month. A complete set of plans shall be submitted, with the information bearing an original signature and seal of the Licensed Architect upon it, before the Board will conduct its review. The completeness of the submission will aid in the understanding of the project by the Board and the relevance of its comments, as well as expedite reviews in an effort to avoid delays. Failure of the architect to sign and seal all requested items that are the subject of this review process, where applicable, or not providing the requested information identified below, will disqualify the submittal and the Department of Planning will return the packet to architect of record.

SECTION I

Project Name: Lot 9 Stone Mill

Address/Location: 1720 Falstone Mill Court

Applicant Contact Information: Mike Whalen, 314-575-7645

Zoning District/Council Ward: R1A District w/ Planned Res Dev Overlay District

SECTION II

The ARB submittal requirements shall be as follows:

☑ **Architects Statement:** Provide a written statement that explains the design theory utilized in the overall site and building design separately. Include items such as reasoning behind entry locations, building placement, how existing topography was utilized instead of ignored, shape, orientation and style of the building, reasoning for chosen building materials and colors, site and building lighting, etc. This statement should be written as from one architect to another and should

include design theory. In this instance, cost can be an acceptable and appropriate goal of the overall design. The statement shall close with an acknowledgment that the design is in compliance with the requirements, or it should give a description of non-compliant items, with an explanation for such.

☑ **Preliminary Development Plan & Colored Landscape Plan:** These plans should reflect the same elements required for submittal to the Planning & Zoning Commission, such as the infrastructure and site improvements, including building footprints, curb cuts and driveway locations, and other natural and man-made features of significance.

☑ **Photographs:** Photos should reflect existing site conditions and immediate surrounding properties in all compass directions. The intent of these photographs is to better understand the project site and context, and how the project under consideration will complement both existing conditions, as well as future projects.

☑ **Preliminary Floor Plans:** These plans refers to the building footprint. However, interior layout, while not reviewed, can help in understanding the footprint and elevations.

☑ **Colored Architectural Elevations:** Elevations for each façade of the building, presented in the chosen color palette, with overall dimensions and materials labeled, noting any special items as necessary for a clear understanding of the project. Light fixtures should be shown accurately.

☑ **Colored Building Rendering:** This item is critical to provide a clear and quick understanding of the massing of the building and its materials and colors. Ideally, if prepared electronically in three dimensions, provide 'snapshots' of several views to highlight the overall building.

☑ **Materials and Colors:** The submittal should include 'finishes' pages, such as manufacturer specification sheets of the materials and colors. Actual samples will be required for presentation at the meeting itself.

☑ **Please provide twelve (12) copies of all of the above information in an 11"x17" format, formatted to fit 11"x17", and bound into an 8.5" x 11" booklets with a cover, as well as all information contained on a disc, or digital device. Appropriate sheets shall exhibit the original signature, seal, and date of the Licensed Architect, who prepared them. Please note, larger format items are permitted and encouraged for presentation purposes at the Architectural Review Board meeting.**

The items contained in the submittal package must meet minimum requirements prescribed by the Architectural Review Board(ARB). Further information may be requested, as directed by the Department of Planning and/or the ARB. Once an application has been processed for an upcoming meeting, the agenda will be sent to the appropriate representative(s). Attendance by the petitioner with their architect(s) for presentation and discussion with the ARB is mandatory. Variances to these procedures must be agreed to by the ARB members and the Department of Planning in advance of the scheduled meeting date. If you have any further questions, please feel free to contact the Department of Planning at (636) 458-0440.

We, the undersigned, are aware of the aforementioned items and submit this application in full compliance with the requirements of the Architectural Review Board on this day 3 of January, 2016.

Applicant [signature]

Licensed Architect [signature]

Mike Whalen
Applicant [print]

Frank Wiseman
Licensed Architect [print]

Contact Information for Applicant and Architect may be provided by attaching business cards here:

mike@mihalencustomhomes.com
314-575-7645

fdwjr@charter.net
618-225-7472

WILDWOOD

SECTION III

For Office Use Only

Application submittal accepted on: January 4, 2017 (TW)
Initial By: Department of Planning Staff

Initial review is scheduled for: January 12, 2017

Subsequent review is scheduled for: _____

Comments: _____

_____

Final Approval by the ARB on: _____

_____
Architectural Review Board Chair

WHALEN
Custom Homes

ARCHITECTURAL REVIEW BOARD SUBMISSION
JANUARY 12, 2016

STONE MILL LOT 9

WHALEN
Custom Homes

Architectural Statement

The proposed home and development embodies the New Urbanism Movement. This community is framed by it's architecture and landscape design which utilizes it's local history, climate, ecology and building practices. The subject property is based on Neocolonial features.

The placement of Stone Mill Lot 9 is such that it allows for a side car entry and maximizes the rear yard while meeting all required setbacks and easements.

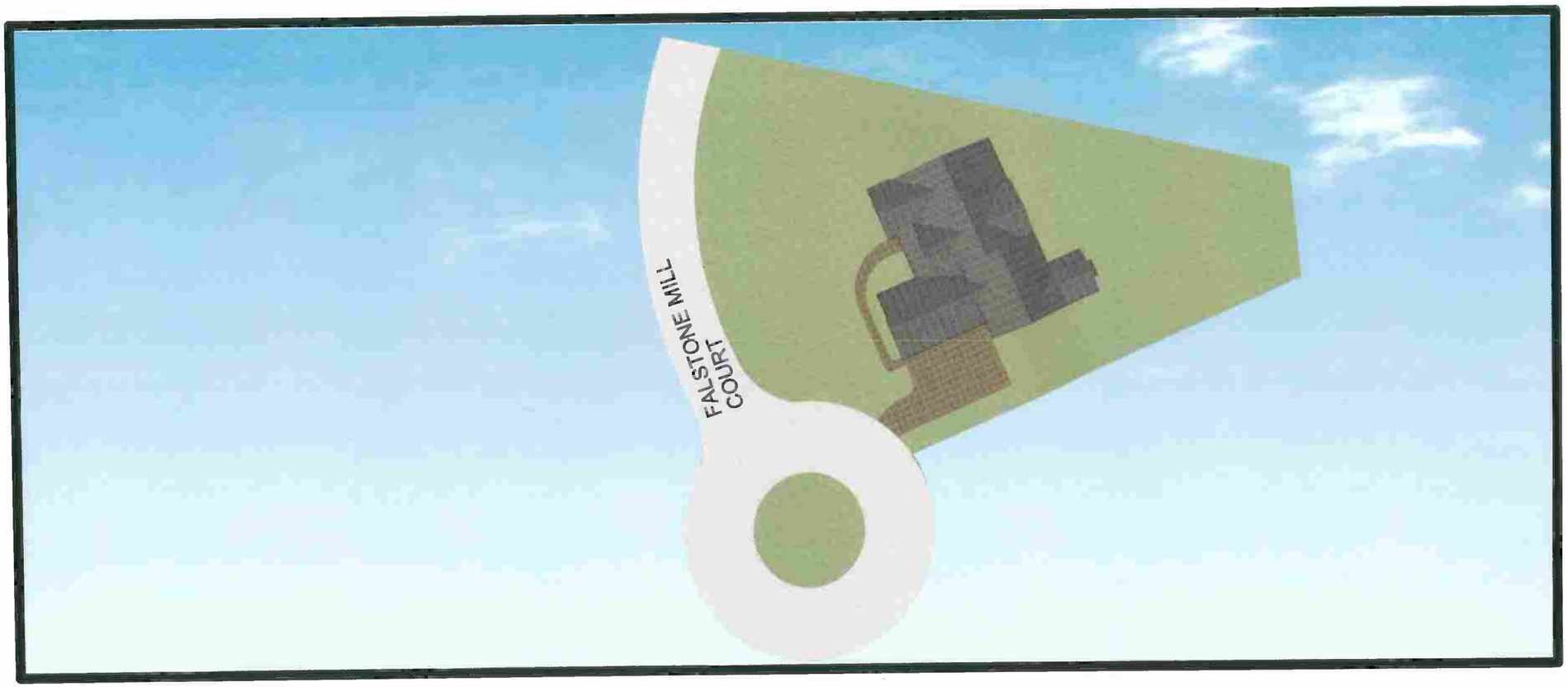
The Stanford oversized brick and light colored stone facade will display a traditional strong look as you circle the Cul de Sac.

The design is in compliance with all requirements.

We appreciate the Architectural Review Boards consideration of this application.

Sincerely,

Mike Whalen



DEVELOPMENT PLAN AND LANDSCAPE PLAN

WHALEN Custom Homes

NO.	DESCRIPTION	BY	DATE

STONE MILL LOT 9

HARPER RESIDENCE

DATE:

SCALE:

SHEET:

STONE MILL
A SUBDIVISION PLAT
A TRACT OF LAND IN THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 12, TOWNSHIP 44 NORTH, RANGE 3 EAST CITY OF WILDWOOD, ST. LOUIS COUNTY, MISSOURI

GRAPHIC SCALE
(IN FEET)
1 INCH = 40 FEET

N/F LEOLA MARY SCHLEMPER REVOCABLE TRUST, ETAL D.B. 18787 PG. 1614 24V42-0032

N89°53'28"E 600.46'

N/F JAMES & BONNIE BROWN D.B. 7219 PG. 1957 24V42-0153

N/F JAMES & BONNIE BROWN D.B. 10695 PG. 1380 24V42-0186

WEST LINE SECTION 12

N00°30'34"E 573.71'

WEST AVENUE (30' WIDE)

Lot 1 18,845 Sq. Ft. 0.428 Ac.
Lot 2 15,015 Sq. Ft. 0.345 Ac.
Lot 3 19,085 Sq. Ft. 0.438 Ac.
Lot 4 36,310 Sq. Ft. 0.834 Ac.
Lot 5 31,189 Sq. Ft. 0.716 Ac.
Lot 6 19,513 Sq. Ft. 0.448 Ac.
Lot 7 34,338 Sq. Ft. 0.788 Ac.
Lot 8 34,066 Sq. Ft. 0.782 Ac.
Lot 9 24,285 Sq. Ft. 0.558 Ac.
Lot 10 19,748 Sq. Ft. 0.453 Ac.
Lot 11 19,918 Sq. Ft. 0.450 Ac.
Lot 12 37,840 Sq. Ft. 0.869 Ac.

FALSTONE MILL COURT (PUBLIC)

PROPOSED 15'W ACCESS EASEMENT

STORMWATER MAINTENANCE EASEMENT

ENTRANCE MONUMENT SIGN & EASEMENT

10' WIDE RIGHT-OF-WAY DEDICATION

N/F GENE & DONNA BAKER D.B. 13335 PG. 216 24V51-0034

COMMON GROUND A

BORDEAUX WALK WAY (40' WIDE PUBLIC)

BORDEAUX ESTATES AT WILDWOOD
P.B. 358 PG. 211
LOT 5
LOT 6

OUTLOT A
N/F CITY OF WILDWOOD D.B. 18972 PG. 933 24V23-0619

COMMON GROUND B

S00°33'53"W 591.57'

CENTER AVENUE (30' WIDE)

LOT 8
LOT 9
LOT 10
LOT 11
LOT 12
LOT 13
LOT 14
LOT 15
LOT 16
LOT 17
LOT 18
LOT 19
LOT 20

N 88°24'12" W 599.97'
SOUTH LINE NORTH 1/2 OF THE NORTHWEST 1/4 SECTION 12

WESTRIDGE OAKS PLAT ONE
P.B. 338 PG. 53

WESTRIDGE OAKS DRIVE (40'WIDE)

■ : PERMANENT MONUMENT TO BE SET UPON COMPLETION OF GRADING.
● : SEMI-PERMANENT MONUMENT TO BE SET AT ALL REAR LOT CORNERS.

(NOTE: CROSSES SHALL BE CUT AT THE INTERSECTION OF THE EXTENSION OF EACH LOT LINE WITH THE CENTERLINE OF THE STREET.)

LINE	BEARING	DISTANCE
L1	S 26°33'45" W	3.59'
L2	N 81°47'45" W	42.81'
L3	S 38°12'19" W	38.59'
L4	N 78°38'48" W	28.49'
L5	N 04°50'19" E	66.25'
L6	N 32°17'00" E	39.31'
L7	N 78°46'59" E	13.99'
L8	N 10°18'54" W	43.43'
L9	N 80°27'59" E	15.00'
L10	S 10°18'54" E	42.20'
L11	N 78°46'59" E	13.73'
L12	S 73°54'29" E	70.41'
L13	S 39°12'19" W	77.80'
L14	S 38°46'45" E	37.13'
L15	S 38°32'45" W	4.43'
L16	S 88°17'22" W	128.88'
L17	N 73°21'46" W	22.73'
L18	S 88°17'22" W	34.46'
L19	S 58°50'05" W	22.84'
L20	S 78°36'46" W	74.30'
L21	S 63°58'47" W	42.89'

LINE	BEARING	DISTANCE
L22	N 84°43'50" W	42.38'
L23	N 88°42'06" W	21.14'
L24	N 89°41'14" W	130.80'
L25	N 73°12'38" W	28.39'
L26	N 00°30'34" E	201.61'
L27	N 05°08'19" E	104.77'
L28	N 04°50'19" E	88.08'
L29	N 03°08'17" E	21.29'
L30	N 35°28'09" E	19.54'
L31	N 73°27'17" E	22.39'
L32	N 10°18'54" W	30.09'
L33	S 10°18'54" E	35.80'
L34	S 78°37'34" E	68.11'
L35	N 88°53'21" E	75.35'
L36	N 81°34'39" E	18.90'
L37	N 21°52'18" W	69.01'
L38	N 21°52'18" W	47.37'
L39	N 78°18'39" E	61.34'
L40	N 84°04'29" E	47.14'
L41	S 89°38'18" E	340.34'

LAND DESCRIPTION:

A TRACT OF LAND IN THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 12, TOWNSHIP 44 NORTH, RANGE 3 EAST, CITY OF WILDWOOD, ST. LOUIS COUNTY, MISSOURI, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF A TRACT OF LAND DESCRIBED IN A DEED TO LEOLA MARY SCHLEMPER REVOCABLE TRUST RECORDED IN DEED BOOK 18787 PAGE 1614 OF THE ST. LOUIS COUNTY RECORDS, SAID POINT BEING ON THE WEST LINE OF CENTER (30' WIDE) AVENUE; THENCE WITH THE WEST LINE OF CENTER AVENUE, BEING 15' WEST OF AND PARALLEL TO THE CENTERLINE THEREOF SOUTH 00 DEGREES 33 MINUTES 53 SECONDS WEST 591.57 FEET TO THE SOUTH LINE OF THE NORTH 1/2 OF THE NORTHWEST 1/4 OF SECTION 12, SAID POINT ALSO BEING THE NORTH LINE OF WESTRIDGE OAKS PLAT ONE AS PER THE PLAT THEREOF RECORDED IN PLAT BOOK 338 PAGE 53 OF THE ST. LOUIS COUNTY RECORDS; THENCE DEPARTING THE WEST LINE OF CENTER AVENUE WITH THE NORTH LINE OF WESTRIDGE OAKS PLAT ONE, NORTH 88 DEGREES 24 MINUTES 12 SECONDS WEST 599.97 FEET TO A POINT ON THE EAST LINE OF WEST (30' WIDE) AVENUE; THENCE WITH THE EAST LINE OF WEST AVENUE, BEING 15' EAST OF AND PARALLEL TO THE CENTERLINE THEREOF AND 30 FEET EAST OF AND PARALLEL TO THE WEST LINE OF SECTION 12, NORTH 00 DEGREES 30 MINUTES 34 SECONDS EAST 573.71 FEET TO THE SOUTHWEST CORNER OF THE AFORESAID LEOLA MARY SCHLEMPER REVOCABLE TRUST TRACT; THENCE WITH THE SOUTH LINE OF SAID LEOLA MARY SCHLEMPER REVOCABLE TRUST TRACT, NORTH 89 DEGREES 53 MINUTES 28 SECONDS EAST 600.46 FEET TO THE POINT OF BEGINNING AND CONTAINING 9.8570 (9.027 DEED), MORE OR LESS SUBJECT TO ALL EASEMENTS, CONDITIONS AND RESTRICTIONS OF RECORD, IF ANY.

BASIS OF BEARING:

BEARINGS ARE IN RELATION TO WESTRIDGE OAKS PLAT ONE, AS RECORDED IN PLAT BOOK 338, PAGE 53, ST LOUIS COUNTY RECORDS.

SOURCE OF RECORD TITLE:

LAND OF THE STATE OF MISSOURI, RECORDED IN DEED BOOK 3240, PAGE 14, ST. LOUIS COUNTY MISSOURI RECORDS.

NOTES:

ALL DIMENSIONS ARE SHOWN IN FEET AND DECIMAL FRACTIONS THEREOF.

ALL EASEMENTS AND CONDITIONS WHICH AFFECT THIS SITE AS REPORTED IN ASSURED TITLE COMPANY AS AGENT FOR COMMONWEALTH LAND TITLE INSURANCE COMPANY, FILE NO. 938885 REVISION 1, DATED FEBRUARY 20, 2013:

ITEMS 1-9: STANDARD EXCEPTIONS WITH NO COMMENT BY SURVEYOR.

ITEM 10. EASEMENT GRANTED PUBLIC WATER SUPPLY DISTRICT #1 OF ST. LOUIS COUNTY, MISSOURI RECORDED IN BOOK 8750 PAGE 642 AND ASSIGNED TO ST. LOUIS COUNTY WATER COMPANY BY INSTRUMENT RECORDED IN BOOK 8837 PAGE 983, PLOTS WITHIN THE 30 FOOT WIDE STRIP TO THE EAST KNOWN AS CENTER AVENUE AND DOES NOT ADVERSELY AFFECT THE SUBJECT TRACT.

ITEM 11. TERMS AND PROVISIONS OF MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION UTILITY EASEMENT RECORDED IN BOOK 17871 PAGE 3221, 15' WIDE EASEMENT ALONG THE NORTH LINE OF THE SUBJECT TRACT: PLOTTED HEREON.

ITEMS 12-13: STANDARD EXCEPTIONS WITH NO COMMENT BY SURVEYOR.

TOTAL ACREAGE OF THIS PLAT: 9.027 ACRES.

LOCATOR NO.: 24V42-0010

BENCHMARK:

ST. LOUIS COUNTY BM 16-109: 794.70 (NGVD'29) "L" ON THE WEST SIDE OF A CONCRETE PORCH OF BUILDING AT # 16957 MANCHESTER ROAD, 21' EAST OF THE CENTERLINE OF EATHERTON ROAD AND 39' NORTH OF THE CENTERLINE OF MANCHESTER ROAD.

SITE BENCHMARK:

793.88 (NGVD'29) CROSS AT THE INTERSECTION OF THE CENTERLINE OF BORDEAUX WALK WAY AND THE EAST LINE OF CENTER AVENUE, SAID POINT BEING 218.06 FEET SOUTH AND 29.80 FEET EAST OF THE NORTHEAST CORNER OF SUBJECT TRACT.

SURVEYOR'S CERTIFICATION:

THIS IS TO CERTIFY TO WHALEN CUSTOM HOMES, INC., THAT AT THEIR REQUEST, SUBURBAN LAND SURVEY, INC. HAS PREPARED A BOUNDARY SURVEY AND SUBDIVISION PLAT DATED DECEMBER , 2015, OF A TRACT OF LAND BEING IN THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 12, TOWNSHIP 44 NORTH, RANGE 3 EAST, CITY OF WILDWOOD, ST. LOUIS COUNTY, MISSOURI, THAT THIS PLAT IS BASED UPON A BOUNDARY SURVEY COMPLETED ON THE GROUND; THAT THE RESULTS OF SAID SURVEY ARE SHOWN HEREON; AND THAT THE SURVEY FULLY MEETS OR EXCEEDS THE CURRENT MINIMUM STANDARDS FOR URBAN CLASS BOUNDARY SURVEYS AS ESTABLISHED BY THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGY AND LAND SURVEY.

DAVID LAWRENCE JOHNS
NUMBER LS-2210
STATE OF MISSOURI

DAVID LAWRENCE JOHNS, R.L.S. 2210 — DATE
SUBURBAN LAND SURVEY, INC. LS -378-D

SLS

REVISED	COMMENT
01/19/16	comment letter
02/10/16	corrected location of corner

Suburban Land Survey
2007 Bellevue Ave., St. Louis MO 63143
(314) 645-7055 Fax: (314) 644-1225
LICENSED IN MISSOURI AND ILLINOIS

PROJECT:
STONE MILL
CITY OF WILDWOOD
ST LOUIS COUNTY, MISSOURI

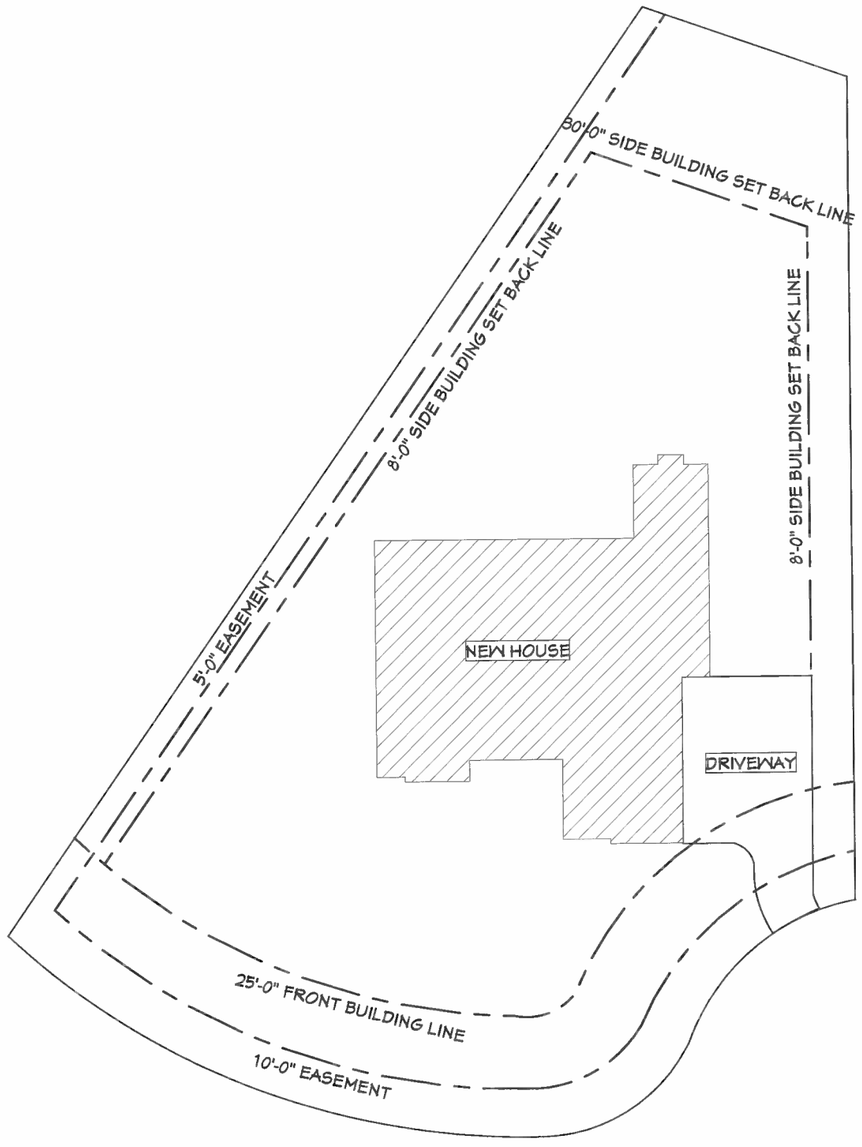
PREPARED FOR:
Whalen Custom Homes
338 S. Kirkwood Road
St Louis, MO 63122
(314) 821-1745

DATE: 12/21/2015
JOB NUMBER: 15072
FILE NAME: Stone Mill.dwg
FIELDWORK BY: DLR, CAC
DRAWN BY: DLR
CHECKED BY:
SHEET: 1 of 2

1

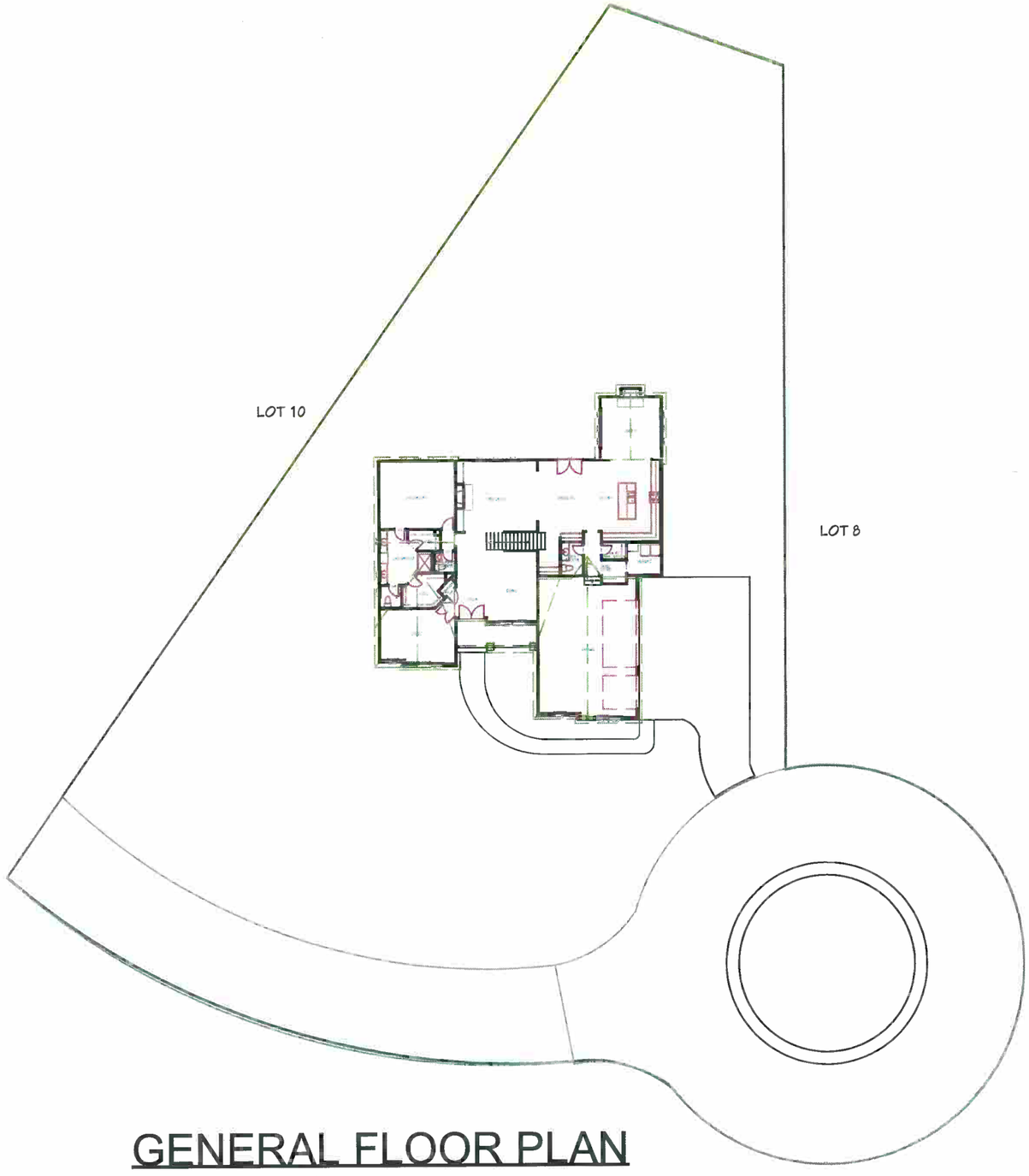
2

BUDROVICH



FOOTPRINT OF HOUSE ON LOT

SCALE: 1" = 30'-0" ACTUAL



GENERAL FLOOR PLAN

SCALE: 1" = 30'-0"

NO.	DESCRIPTION	BY	DATE

WHALEN Custom Homes

STONE MILL LOT 9

HARPER RESIDENCE

DATE:

SCALE:

SHEET:

FRONT ELEVATION

REAR ELEVATION

SEE "MATERIALS AND COLORS SECTION" FOR DESCRIPTIONS

NO.	DESCRIPTION	BY	DATE

WHALEN Custom Homes

STONE MILL LOT 9

HARPER RESIDENCE

DATE:

SCALE:

SHEET:

RIGHT ELEVATION

LEFT ELEVATION

SEE "MATERIALS AND COLORS SECTION" FOR DESCRIPTIONS

NO.	DESCRIPTION	BY	DATE

WHALEN Custom Homes

STONE MILL LOT 9

HARPER RESIDENCE

DATE:

SCALE:

SHEET:

FRONT RENDERINGS

NO.	DESCRIPTION	BY	DATE

WHALEN Custom Homes

STONE MILL LOT 9

HARPER RESIDENCE

DATE:

SCALE:

SHEET:

REAR RENDERINGS

NO.	DESCRIPTION	BY	DATE

WHALEN Custom Homes

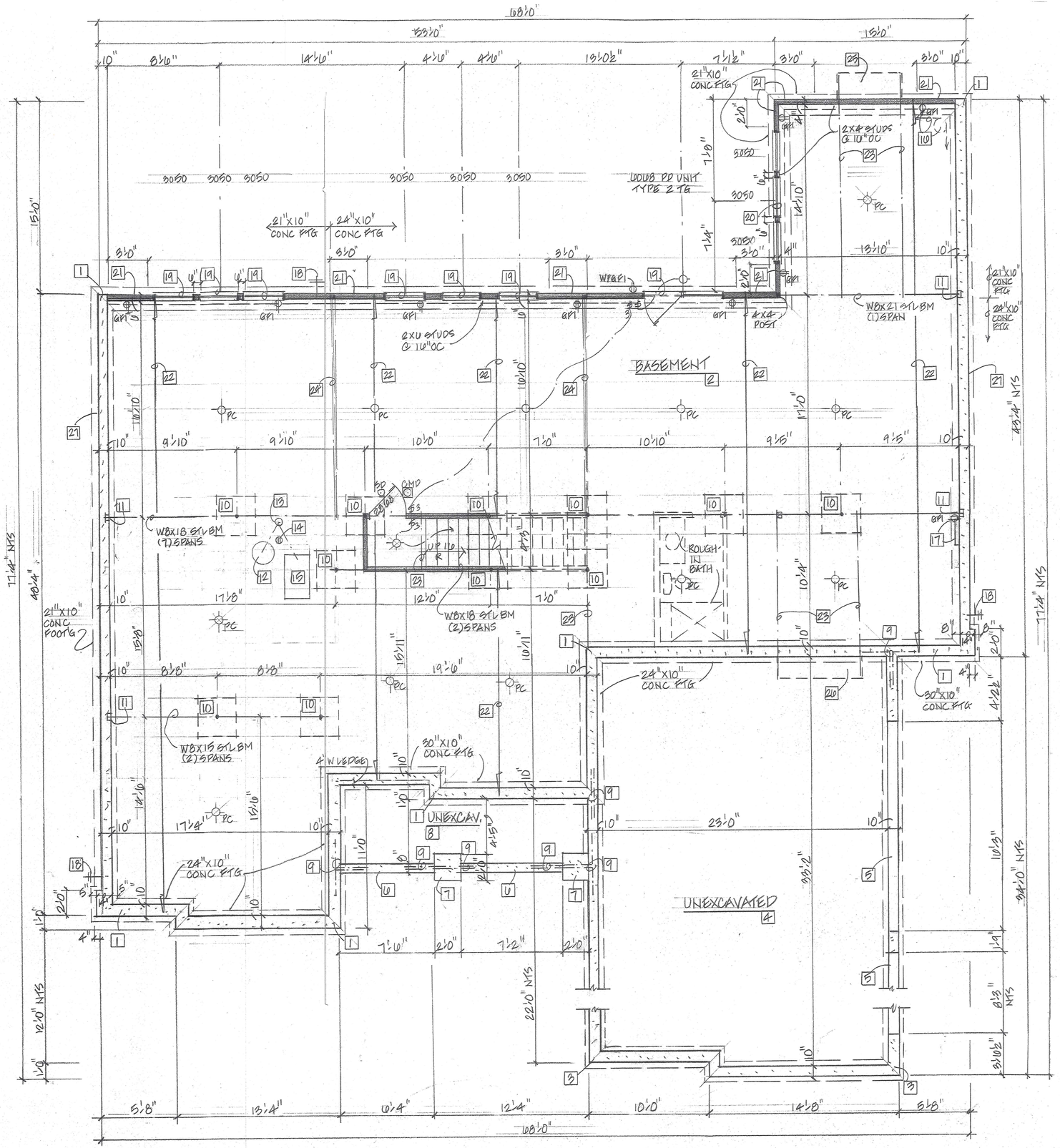
STONE MILL LOT 9

HARPER RESIDENCE

DATE:

SCALE:

SHEET:



BASEMENT / FOUNDATION PLAN

'CAPITOL' WINDOW DESIGNATIONS

4"=1'-0"

BASEMENT / FOUNDATION PLAN NOTES

1. 10"TH CONC FOUNDATION (8'10" POUR) SEE PLAN FOR FTG SIZES
2. 3½"TH CONC SLAB ON 6 MIL PVB ON 4" MIN GRAVEL - SLOPE TO FLOOR DRAIN
3. 10"TH CONC FOUND ON 10"X10" CONC FTG - 30" MIN BEL. FIN GRADE
4. 4"TH. CONC SLAB W/ 6X6X10/10 WWF ON 6 MIL PVB ON 4" MIN GRAVEL SLOPE TO OH DOORS
5. HOLD TOP OF FOUND. DOWN FOR SLAB CLEARANCE
6. 8"TH CONC FOUND TO 30" MIN BELOW FIN GRADE
7. 24"X24" CONC PIER TO 30" MIN BELOW FIN GRADE (SEE SHT 4)
8. 4"TH CONC SLAB W/ #4'S @ 24"OC - 24" EW INTO FOUND - THICKEN EDGES, SLOPE AWAY FROM STRUCTURE
9. ADDIT. (2) #4'S TEB, 24" EW, @ ALL FOUND INTERSECTIONS
10. 3½" OD, 7.58 LB/FT, STEEL COLUMN ON 36"X36"X12"TH. CONC COLUMN PAD
11. BEAM POCKET W/ MIN 4" BEARING - GROUT LEVEL & SOLID
12. GAS WATER HEATER W/ EXP. TANK IF <30 GALLON
13. METAL/BEGSTOS FLUE W/ UL APP'D CAP & CO.
14. FLOOR DRAIN
15. FORCED AIR GAS FURNACE
16. 4" Ø PERF DRAIN PIPE @ FOUND PERIM TO OPT SUMP W/ DED. OUTLET OR DAYLITED
17. APPROX LOCAT. OF 200 AMP ELECT PNL W/ GFI - FIELD LOCATE
18. FREEZE PROOF HOSE BIBB
19. (2) 2X 10 HEADER
20. (2) 2X12 HEADER - 15'-0" LONG (PORTAL FRAME)
21. IRC BRACED WALL PANEL - SEE IRC NOTE ON SHT 2
22. 11⅞" TJI FLOOR JOISTS @ 10"OC - 210 SERIES (BY 'TRUS JOIST INC')
23. 1¾"X11⅞" MICRO.LAM
24. (3) 1¾"X11⅞" MICRO.LAM
25. CANTILEVER ABOVE - INSUL TO R-19 MIN, COVER W/ EG MTL & SEAL ALL JOINTS
26. CANTILEVER ABOVE - INSUL TO R-19 MIN, COVER W/ ⅝" TYPE 'X' DW & SEAL ALL JOINTS
27. EMBED TREATED 2X2'S INTO FDN FOR APPLICATION OF SIDING TO 8" ABOVE GRADE

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI FRANK D. WISEMEN JR. NUMBER A-2003027170 ARCHITECT

12-2-16

DATE:

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd., St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes

338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

DRAWING ISSUE / REVISION

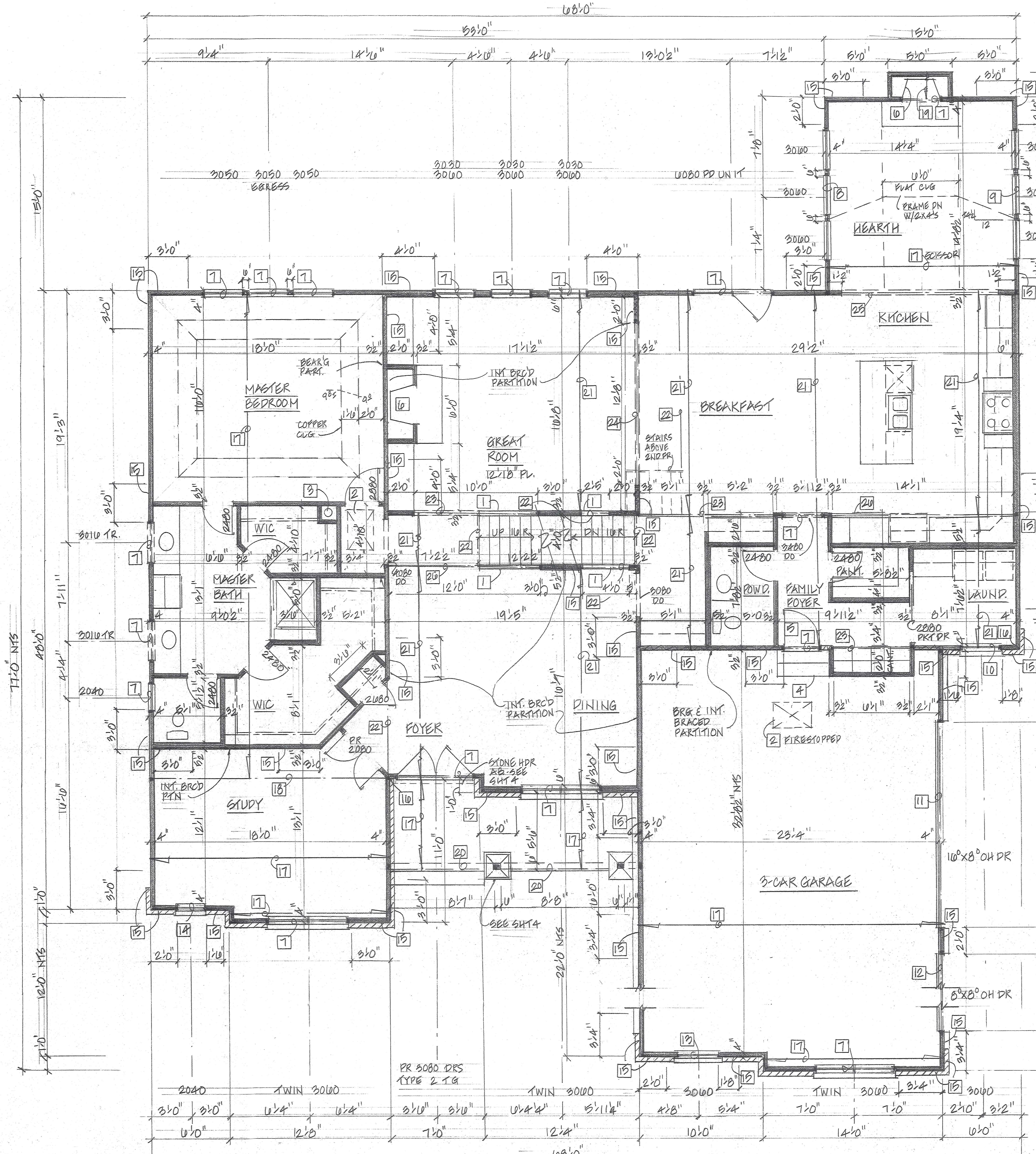
REV #	DESCRIPTION	DATE
	COMPLETE	12/2/16

DRAWING TITLE
BASEMENT / FOUNDATION PLAN

SHEET NUMBER
1 OF 10

JOB #

SHEET SIZE 36" X 24" LANDSCAPE



FIRST FLOOR CONSTRUCTION PLAN

9'1 8" PLATE UNLESS NOTED

2766 SF (4312 SF TOTAL)

'CAPITOL' WINDOW DESIGNATIONS
SEE SHT 2A FOR FINISH & ELECTRIC PLAN

☐ FIRST FLOOR CONSTRUCTION PLAN NOTES

1. 36" H RAILING W/ MAX 4" OC SPACING BTWN BALUSTERS
2. 22" x 36" ATTIC ACCESS
3. FLUE SPACE - MIN 2" CLEAR
4. MIN 4" STEP UP
5. 2880 SC DOOR
6. 'HEATILATOR NOVUS' DIRECT VENT GAS FIREPLACE
7. (2) 2X10 HEADER
8. (2) 2X12 HEADER - 15'0" LONG (PORTAL FRAME)
9. (2) 2X12 HEADER - 14'2" LONG (PORTAL FRAME)
10. (2) 2X12 HEADER - 6'2" LONG (PORTAL FRAME)
11. (2) 1¾" X 11⅞" MICROLLAM HEADER - 22'0" LONG (PORTAL FRAME)
12. (2) 2X12 HEADER
13. (2) 2X12 HEADER - 7'10" LONG (PORTAL FRAME)
14. (2) 2X12 HEADER - 6'0" LONG (PORTAL FRAME)
15. IRC BRACED WALL PANEL - SEE IRC NOTE THIS SHT
16. 800 LB HOLD DOWN
17. PREFAB TRUSSES @ 24" OC
18. PREFAB GIRDER TRUSS W/ (3) STUDS EE
19. 2X4 RAFTERS @ 24" OC
20. (2) 2X12 BOX BEAM - BLOCK SOLID EE
21. 11⅞" TJI FLOOR JOISTS @ 16" OC - 210 SERIES (BY TRUS JOIST INC)
22. 1¾" X 11⅞" MICROLLAM IN FLR ABOVE
23. (2) 1¾" X 11⅞" MICROLLAM IN FLR ABOVE
24. (2) 1¾" X 11⅞" MICROLLAM HEADER
25. W8X21 STEEL BEAM (HEADER) - 15' LONG
26. (3) 1¾" X 11⅞" MICROLLAM IN FLR ABOVE

IRC NOTE:
'SIMPLIFIED BRACING METHOD' USED
THE INT & EXT WALL CONFIG. BRACES THE ENTIRE STRUCTURE IN ACCORD W/ OR EQUAL TO THE LATERAL BRACING PROVISIONS OF 2009 IRC, SECT R602-10 OR 2009 IBC, SECT 2805 - SHEATH ENTIRE STRUCT W/ 7/16" OSB OR PLYWOOD.
SEE SHT D3 FOR DETAILS

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI — FRANKLIN D. WISEMAN, JR. — NUMBER A-2003027170 — ARCHITECT
12-21-16

DATE:

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE
Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes
338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

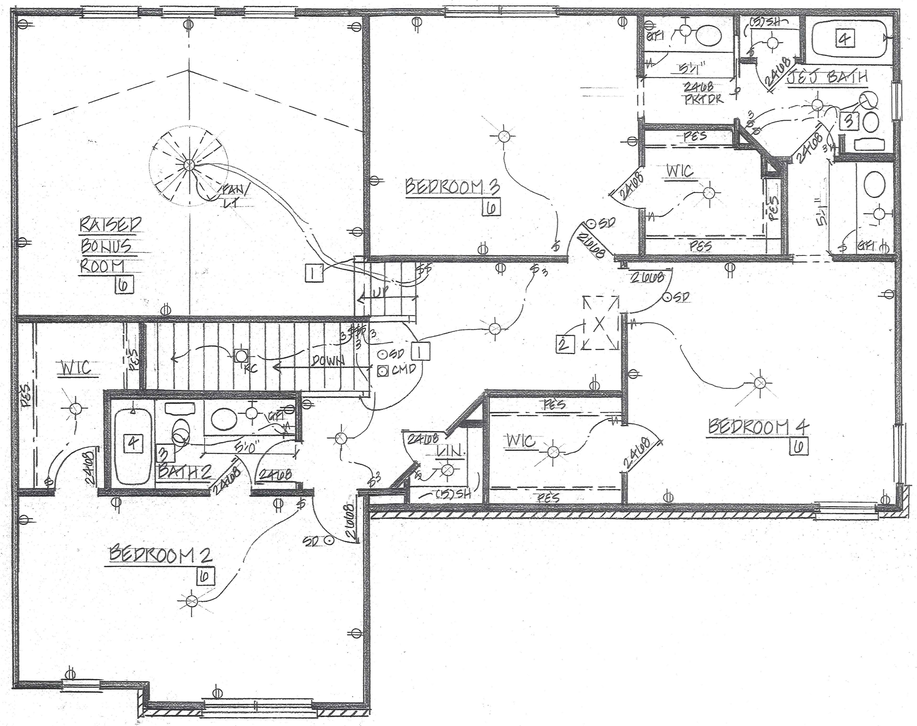
DRAWING ISSUE / REVISION

REV #	DESCRIPTION	DATE
	COMPLETE	12/21/16

DRAWING TITLE
FIRST FLOOR CONSTRUCTION PLAN

SHEET NUMBER
2 OF 10

JOB #
SHEET SIZE 36" X 24" LANDSCAPE

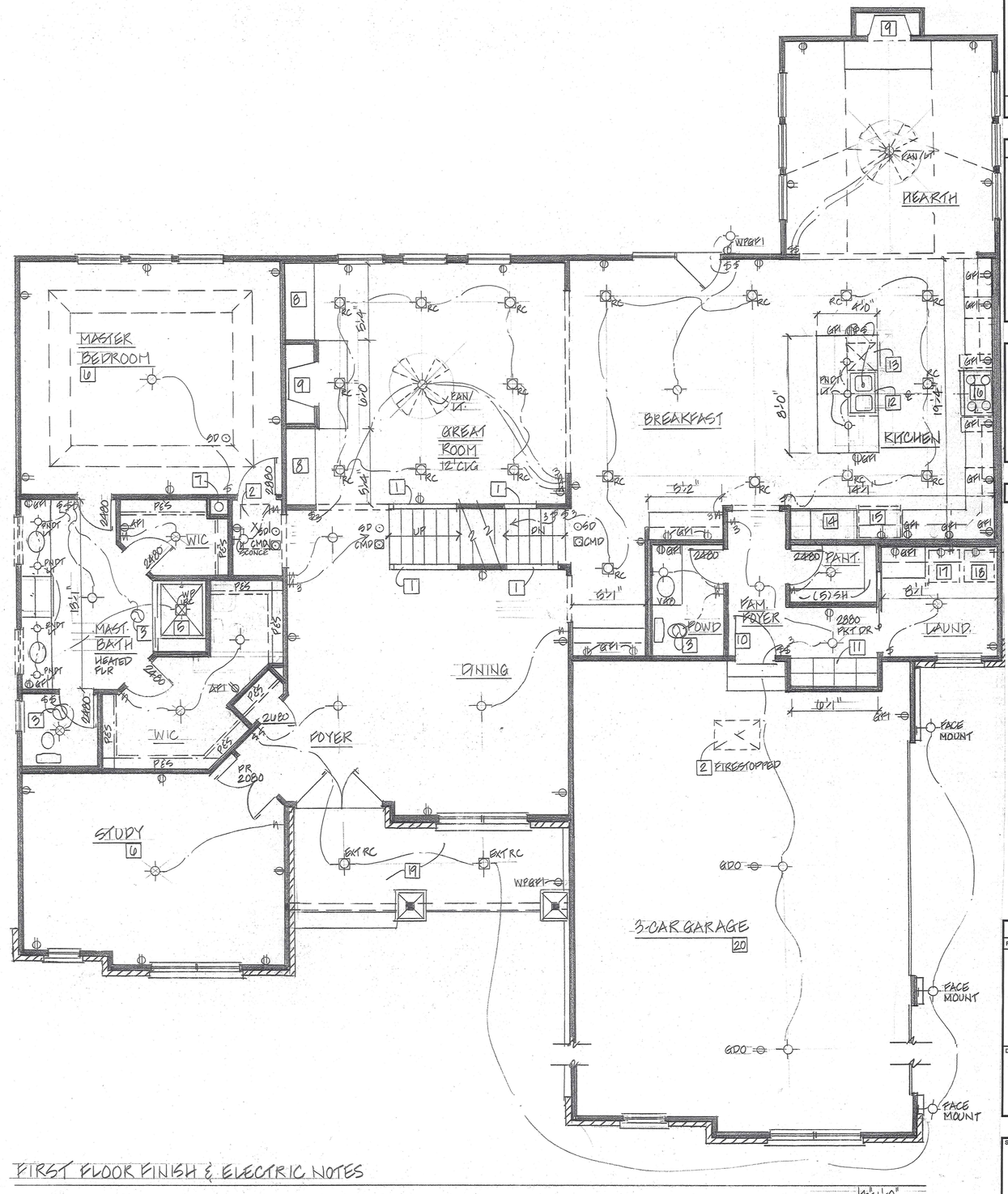


SECOND FLOOR FINISH & ELECTRIC PLAN

4'=1'0"

☐ FINISH & ELECTRIC NOTES

1. 36"H RAILING W/MAX 4"OC SPC'G BTWN BALS
2. 22"X 36" ATTIC ACCESS
3. EXHAUST FAN TO EXT - MIN 50 CFM
4. 60"X34" TUB/SHOWER
5. 60"X48" SHOWER W/SEAT & TG DOORS
6. AFI CIRCUITS IN THIS ROOM
7. PLUG SPACE - MIN 2" CLEAR
8. BUILT-INS
9. HEATILATOR NOVUS' GAS PREFAB FIREPLACE
10. 2880 SC DOOR
11. CUBBIES
12. 30" SINK W/DISPOSAL
13. DISHWASHER
14. OVENS W/220V OR GAS HOOKUP
15. REFRIGERATOR SPACE
16. RANGE W/EXH HOOD & 220V OR GAS HOOKUP
17. WASHER SPACE W/H&C & HI DRAIN
18. DRYER SPACE W/220V OR GAS HOOKUP & VENT TO EXT @ SIDE OF HOUSE
19. ALUM SOFFIT CEILING
20. (1) LAYER 5/8" TYPE 'X' DW W/3½" BATT (R-13 MIN) INSUL @ ALL WALLS BTWN HOUSE & GAR UP TO CLG W/(1) LAYER 5/8" TYPE 'X' DW ON GAR CLG.



FIRST FLOOR FINISH & ELECTRIC NOTES

4'=1'0"

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI
FRANK WISEMAN, JR.
NUMBER
A-2003027170
ARCHITECT

DATE: 12-21-16

Frank Wiseman
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes
338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7845
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

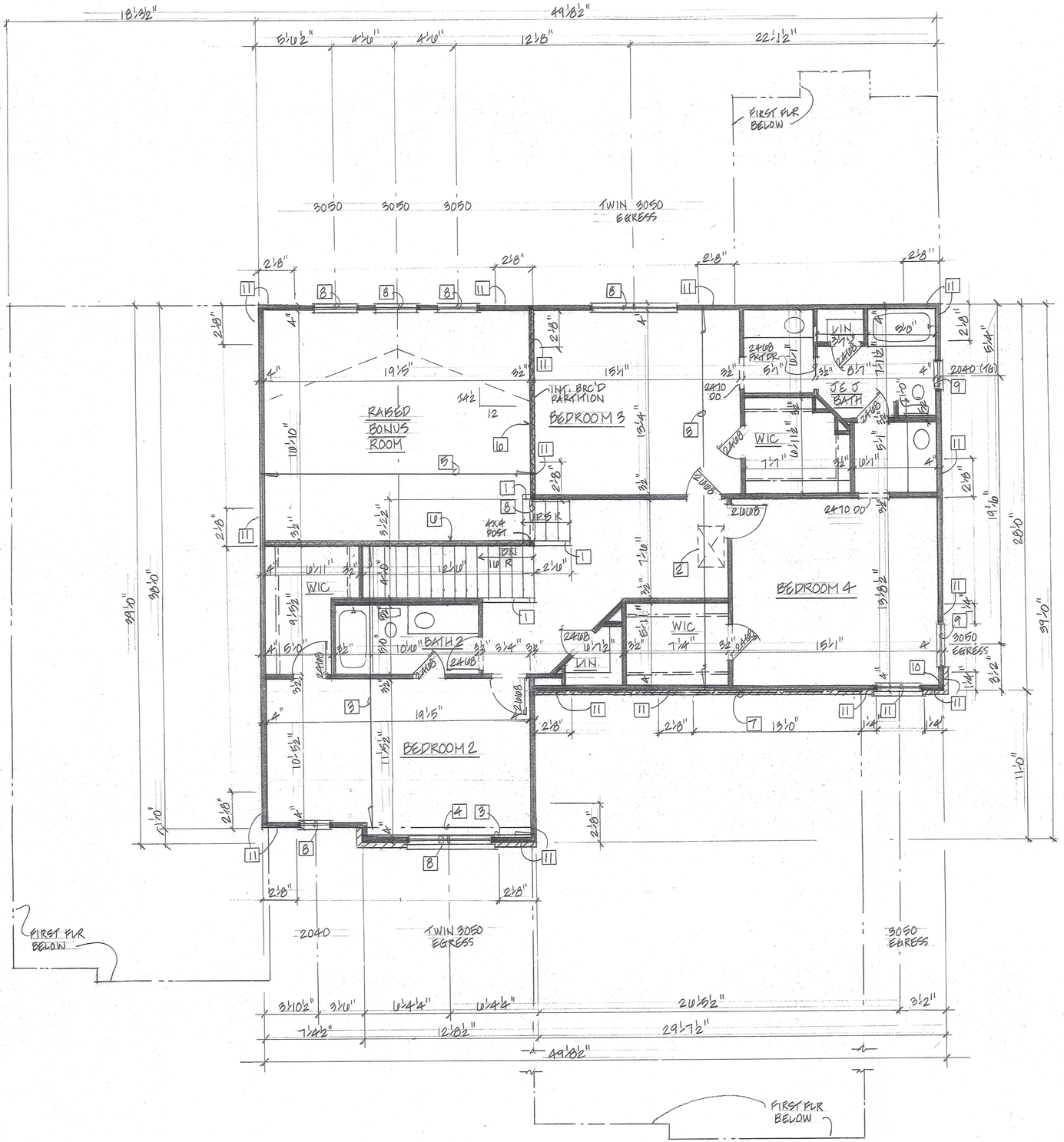
DRAWING ISSUE / REVISION

REV #	DESCRIPTION	DATE
	COMPLETE	12/21/16

DRAWING TITLE
FINISH & ELECTRIC PLANS

SHEET NUMBER
2A OF 10

JOB #	
SHEET SIZE	36" X 24" LANDSCAPE



☐ SECOND FLOOR CONSTRUCTION PLAN NOTES

1. 36"H RAILING W/ MAX 4" OC SPACING BTWN. BALUSTERS
2. 22"x 36" ATTIC ACCESS
3. PREFAB TRUSSES @ 24" OC
4. PREFAB GIRDER TRUSS W/ (3) STUDS E.E.
5. PREFAB SCISSOR TRUSSES @ 24" OC
6. ▨▨▨▨ INDICATES TRUSS BEARING PARTITION
7. BOLT 3½"X3½"X ¼" STEEL ∠ TO TRUSS TO SUPPORT BRICK
8. (2) 2X10 HEADER
9. (2) 2X12 HEADER- 11'0" LONG (PORTAL FRAME)
10. 800 LB HOLDDOWN
11. IRC BRACED WALL PANEL- SEE IRC NOTE ON SHT 2

SECOND FLOOR CONSTRUCTION PLAN — 8'1⅛" PLATE — 1600.6 SF — 4"=1'0"

"CAPITOL" WINDOW DESIGNATIONS
SEE SHT 2A FOR FINISH & ELECTRIC PLAN

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI
FRANK D. WISEMAN, JR.
NUMBER A-2003027170
ARCHITECT

DATE: 12-21-16

Frank Wiseman
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Aising
(Not a Licensed Architect)
3745 Yaeger Rd. St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes
338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

DRAWING ISSUE / REVISION

REV #	DESCRIPTION	DATE
	COMPLETE	12/21/16

DRAWING TITLE
SECOND FLOOR CONSTRUCTION PLAN

SHEET NUMBER 3 OF 10

JOB #
SHEET SIZE 36" X 24" LANDSCAPE

REAR ELEVATION

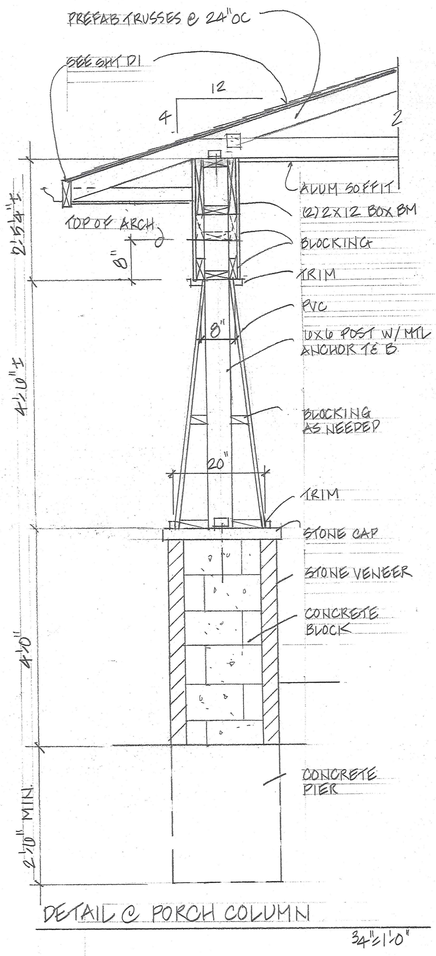
CAPITOL WDW DESIGS (TYP)

1/4"=1'-0"

FRONT ELEVATION

SEE REAR ELEV FOR TYP. INFO

1/4"=1'-0"



DETAIL @ PORCH COLUMN

3/4"=1'-0"

FRONT ELEVATION NOTES

1. BRICK VENEER W/ STONE ACCENTS
2. BRICK ROWLOCK SILL
3. ARCHED STONE HEADER W/ STONE KEY
4. STONE HEADER W/ STONE KEY & 3½"x3½"x¼" STL ∠
5. 'JAMES HARDIE' LAP SIDING & CORNERS
6. 4" TRIM W/ 2X SILL
7. 'FYPON' EYEBROW LOUVER # FEBLV22X32 W/ 4" TRIM W/ KEY & 2X SILL W/ 4" APRON
8. 'FYPON' EYEBROW LOUVER # FEBLV12X24 W/ 4" TRIM W/ KEY & 2X SILL W/ 4" APRON
9. ALUM WRAPPED 2X SHADOW TRIM
10. METAL STEP FLASHING
11. ATTACH 3½"x3½"x¼" STL ∠ TO TRUSS TO SUPPORT BRICK VENEER ABOVE

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI
FRANKLIN D. WISEMAN, JR.
NUMBER A-2003027170
ARCHITECT

DATE: 12-21-16

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes
338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

DRAWING ISSUE / REVISION

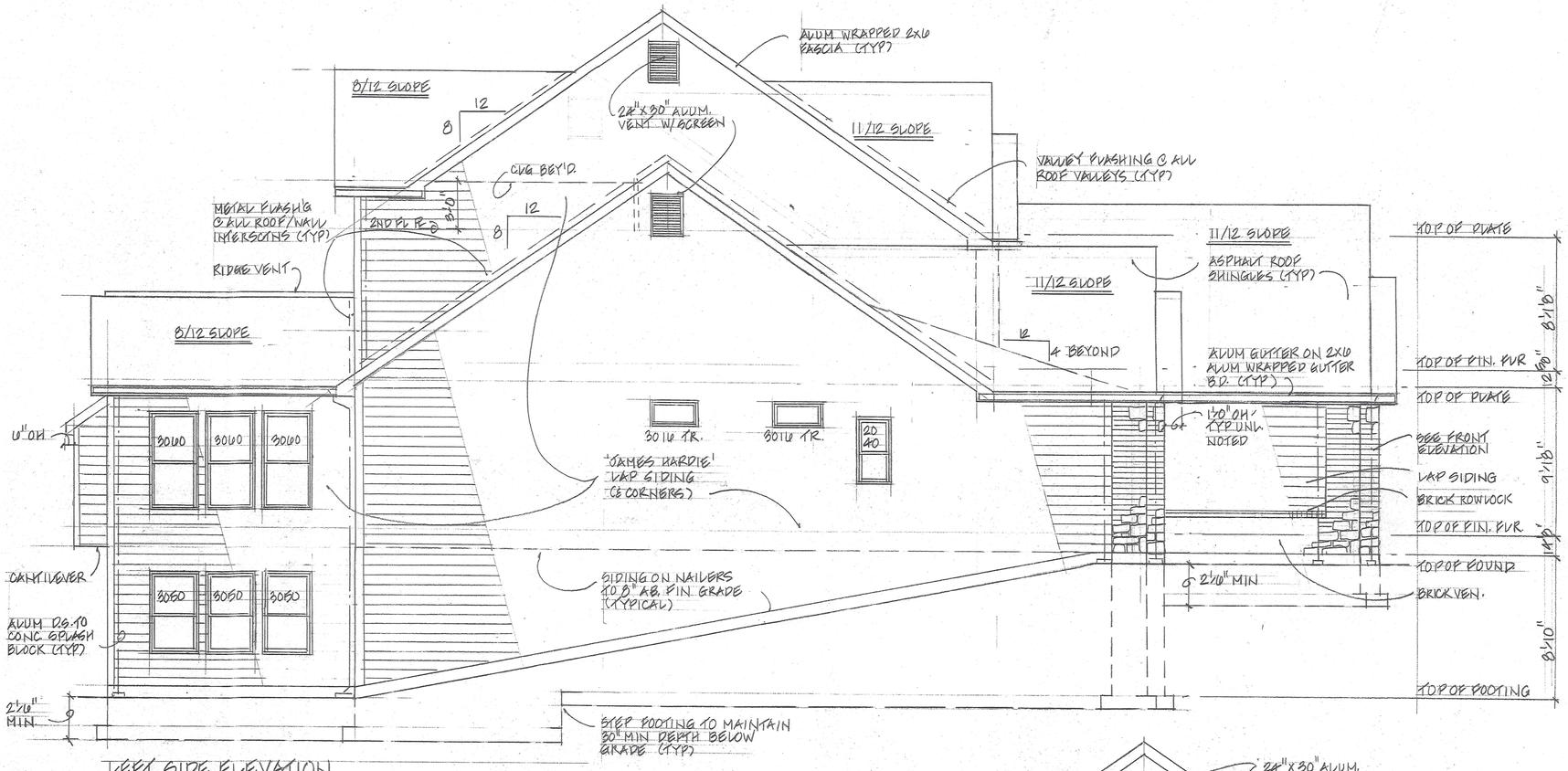
REV #	DESCRIPTION	DATE
	COMPLETE	12/21/16

DRAWING TITLE
FRONT & REAR ELEVATIONS

SHEET NUMBER
4 OF 10

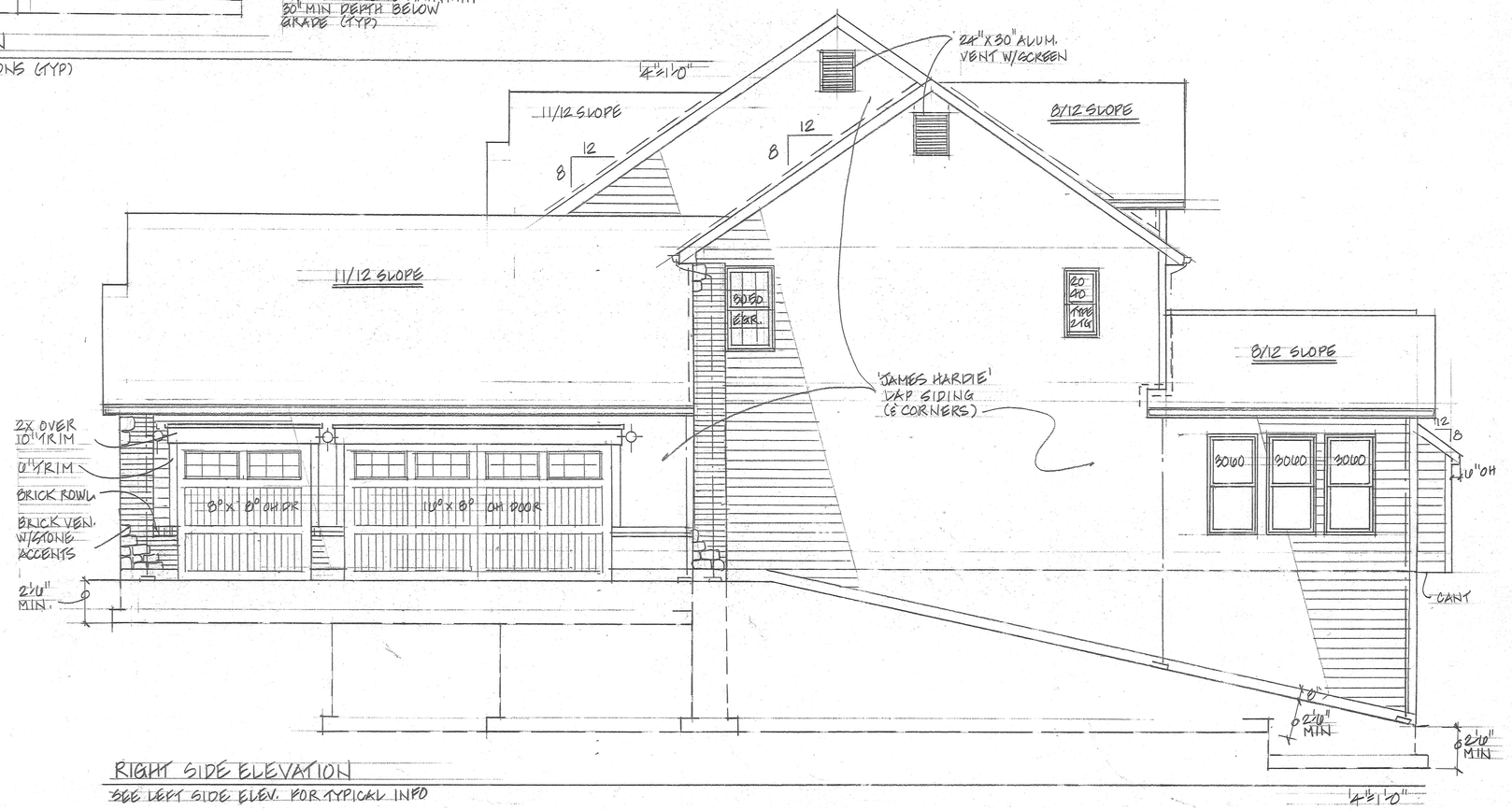
JOB #

SHEET SIZE 36" X 24" LANDSCAPE



LEFT SIDE ELEVATION

'CAPITOL' WINDOW DESIGNATIONS (TYP)



RIGHT SIDE ELEVATION

SEE LEFT SIDE ELEV. FOR TYPICAL INFO

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI · FRANK D. WISEMEN, JR. · NUMBER A-2003027170 · ARCHITECT

12-21-16

DATE: _____

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes

338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:

THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

DRAWING ISSUE / REVISION

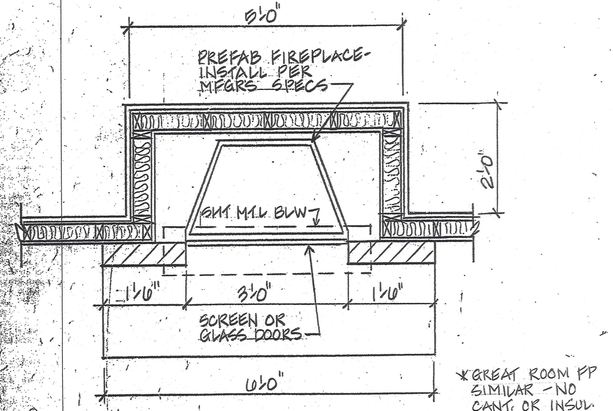
REV #	DESCRIPTION	DATE
	COMPLETE	12/21/16

DRAWING TITLE
SIDE ELEVATIONS

SHEET NUMBER
5 OF 10

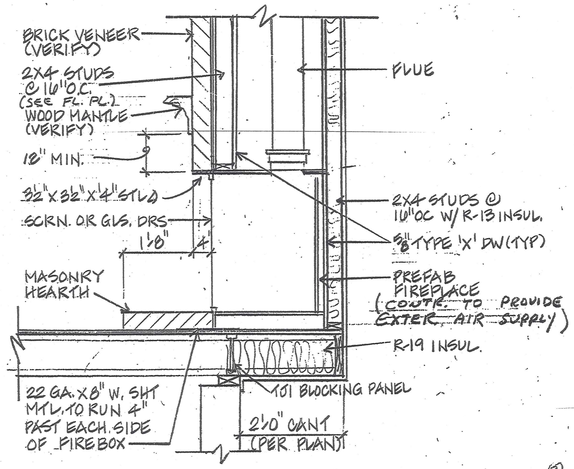
JOB #
SHEET SIZE 36" X 24" LANDSCAPE

FIREPLACE NOTE:
FIRESTOP REQUIRED @ ALL CEILING LINES & ATTIC SPACES W/ 5/8" TYPE 'X' D.W., 24" PLYWD OR 22 GA. SHT MTL
SEP SHUT-OFF VALVE IF GAS FIRED

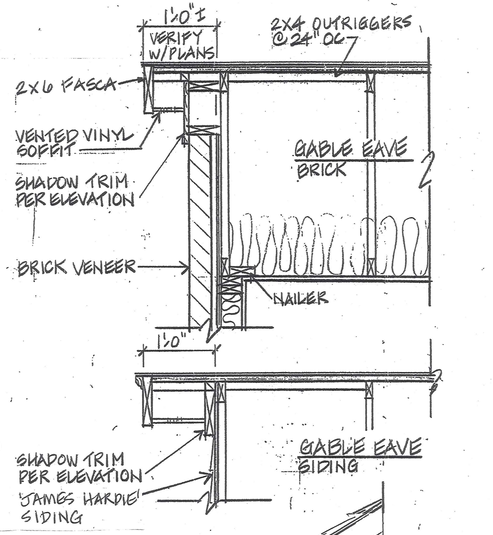


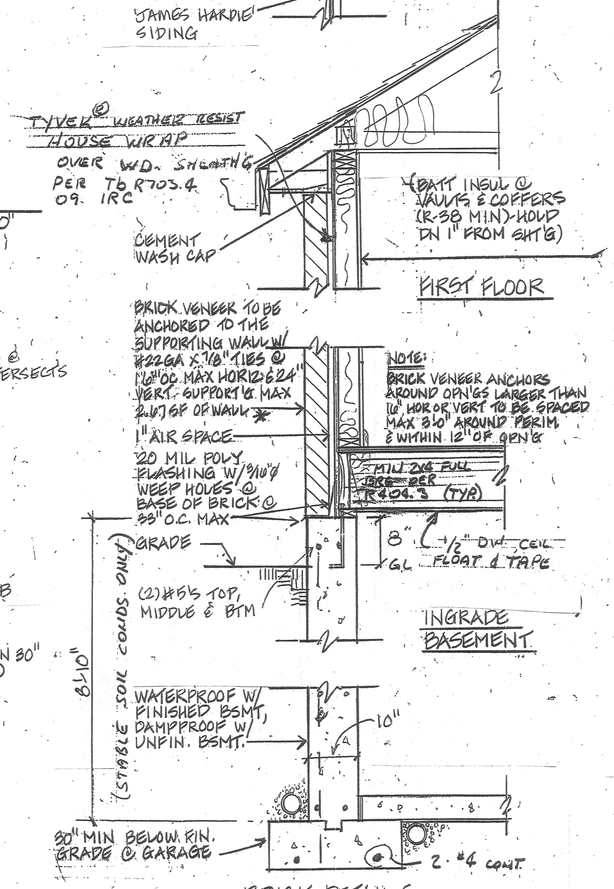
*GREAT ROOM FP SIMILAR - NO CANT. OR INSUL.

FIREPLACE PLAN
HEARTH ROOM FP SHOWN* 3/4"=1'-0"



FIREPLACE SECTION
HEARTH ROOM FP SHOWN* 3/4"=1'-0"



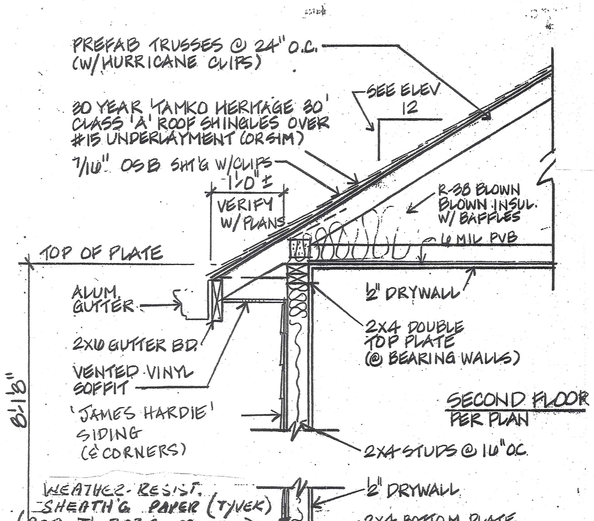


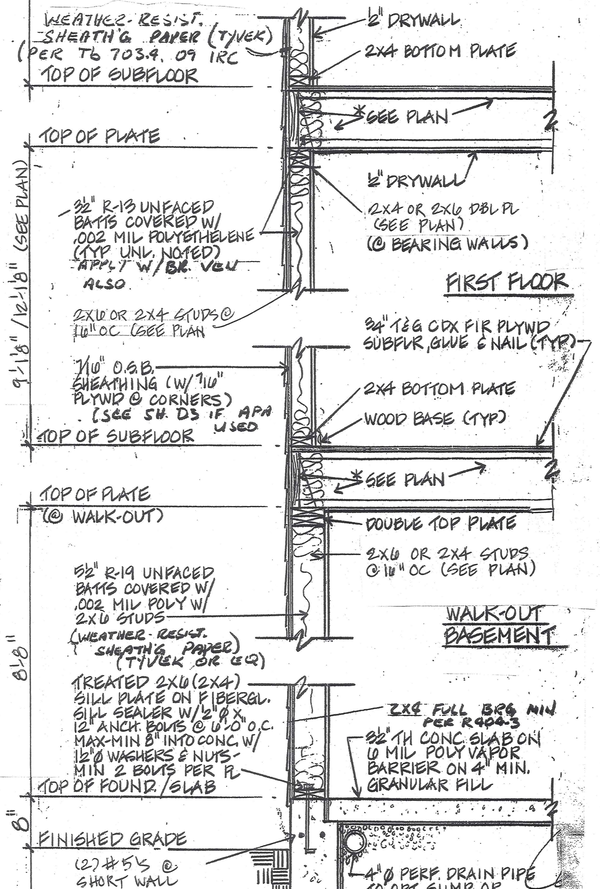
BRICK DETAILS

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION

* BRICK VEN. ANCHORS AROUND OPEN'GS LARGER THAN 16" IN EITHER DIRECTION SHALL BE SPACED 3'-0" O.C. MAX AROUND PERIMETER AND WITHIN 12" OF OPEN'G.

TYPICAL WALL SECTIONS





* FOOTING SIZES STATED ASSUME 1200 PSF & SEIS DES CATEG C

SIDING DETAILS

PLAN

SECTION

FOUNDATION WALL BRIDGE
(SHORT WALL TO TALL WALL) 1"=1'-0"

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI
FRANKLIN D. WISEMAN, JR.
NUMBER A-2003027170
ARCHITECT

DATE:

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Aising
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes
338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

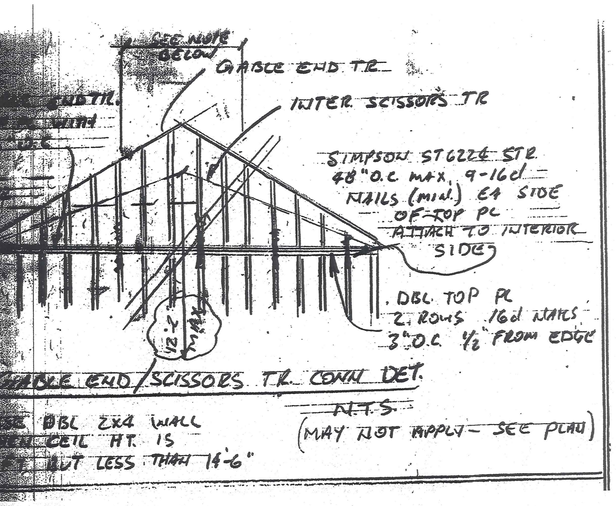
DRAWING ISSUE / REVISION

REV #	DESCRIPTION	DATE
		12/21/16

DRAWING TITLE
SECTIONS

SHEET NUMBER
D1 OF 10

JOB #
SHEET SIZE 36" X 24" LANDSCAPE

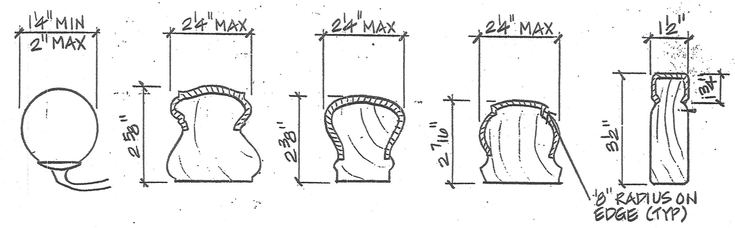


GABLE END/SCISSORS TR. CONN DET.

N.T.S.

(MAY NOT APPLY - SEE PLAN)

DBL 2X4 WALL
CEIL HT. IS
BUT LESS THAN 14'-6"

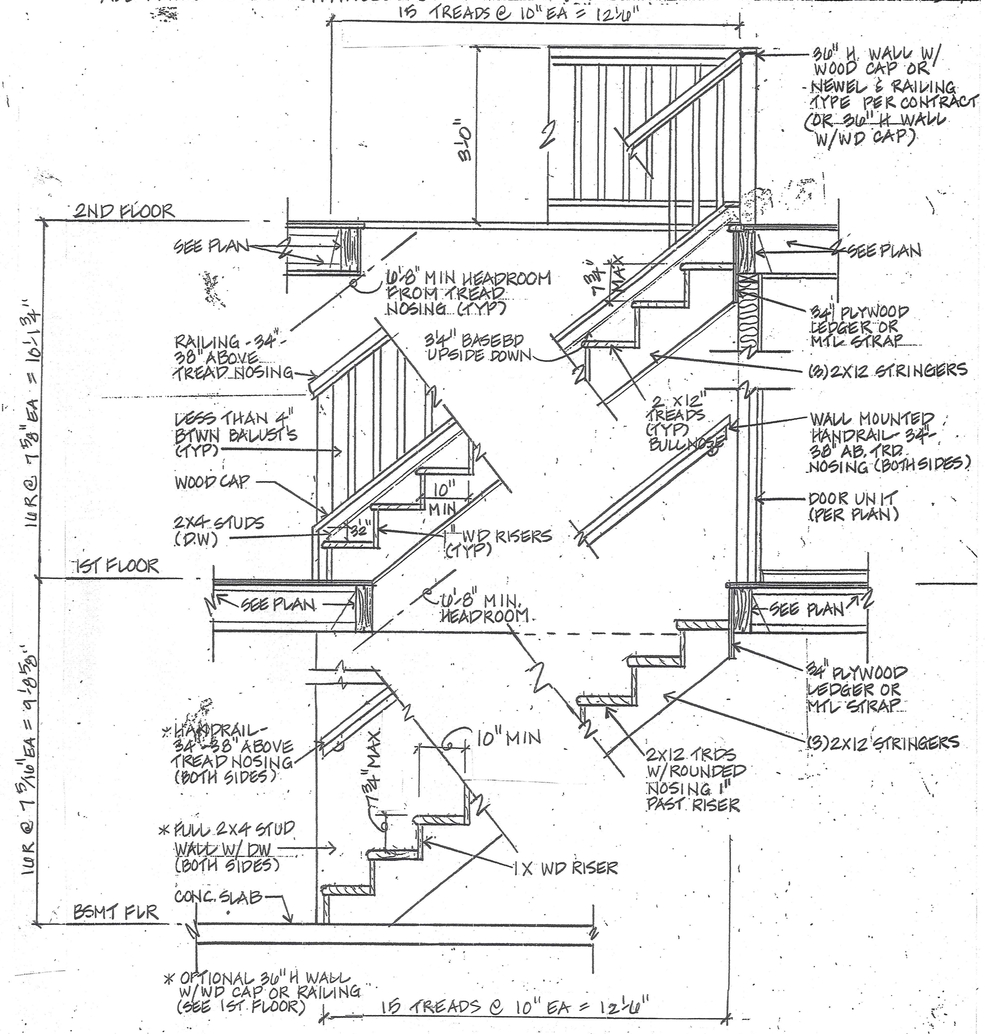


ACCEPTABLE RAIL PROFILES

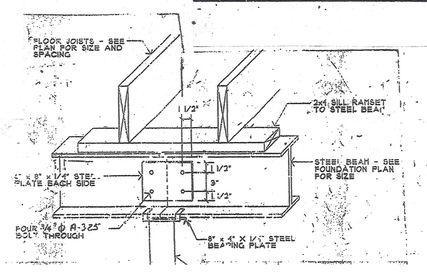
DENOTES GRASPABLE PERIMETER

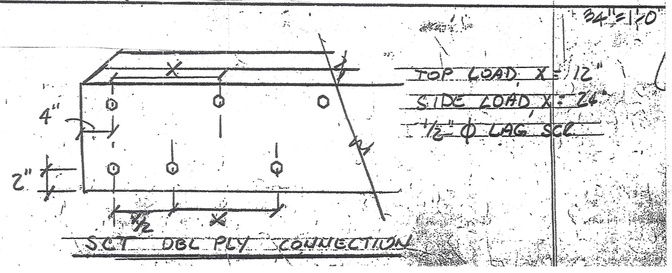
HANDRAILS SHALL MEET EITHER:
- CIRCULAR CROSS SECTION W/ MIN Ø OF 1¼" BUT LESS THAN 2"
- OTHER SHAPES HAVING A MAX. ALLOWABLE HORIZ. WIDTH OF 2¼", MAX. GRASPABLE PERIMETER DIMEN. OF 6¼" AND/OR MIN. 4" GRASPABLE DIMENSION

ALL RAILS TO BE CONTINUOUS & RETURN TO WALL OR NEWEL POST EA. END.



TYPICAL STAIR SECTION





The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI
FRANK WISEMEN
NUMBER A-2003027170
ARCHITECT

DATE: 12-21-16

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes
338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:

THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

DRAWING ISSUE / REVISION

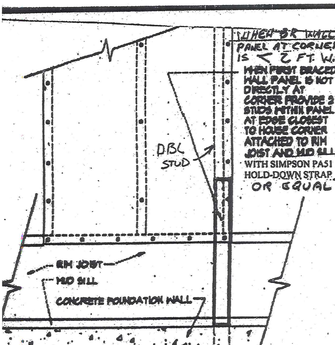
REV #	DESCRIPTION	DATE
		12/21/16

DRAWING TITLE
STAIR SECTION
SCISSOR TRUSS DTL.

SHEET NUMBER
D2 OF 10

JOB #

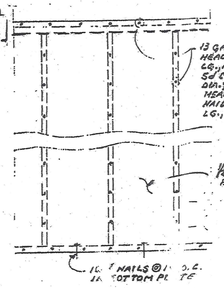
SHEET SIZE 36" X 24" LANDSCAPE



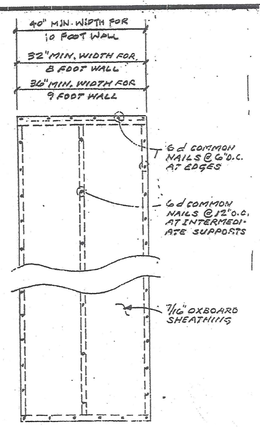
CONDITION FOR FIRST BRACED WALL NOT IN CORNER

(ALL EDGES BLOCKED W/MIN 1½" W. FRG)

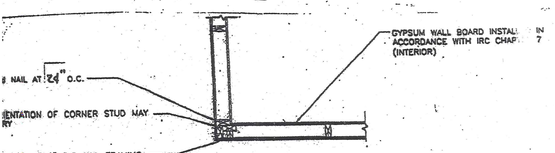
EXTERIOR BRACED WALL (REF: R602.10. OF 2009 IRC) *



INTERIOR BRACED WALL

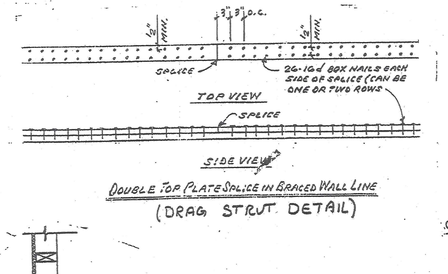


EXTERIOR BRACED WALL PANEL (ALL EDGES BLOCKED WITH MIN. 1½" W. FRAMING



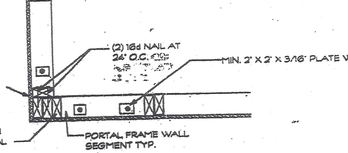
IMPORTANT CODE REQUIREMENT:
ONLY FOR USE ON HOMES WITH FULLY SHEATHED PLYWOOD OR OSB EXTERIOR WALLS, PER IRC R602.10.3

EXAMPLE OF OUTSIDE CORNER DETAIL PER IRC R602.10.4

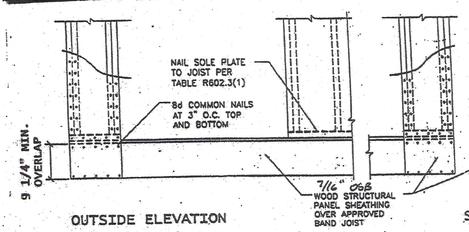


IMPORTANT CODE REQUIREMENT:
ONLY FOR USE ON HOMES WITH FULLY SHEATHED PLYWOOD OR OSB EXTERIOR WALLS, PER IRC R602.10.5.

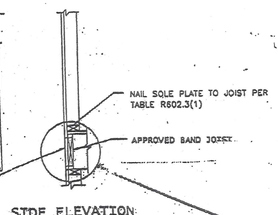
EXAMPLE OF INSIDE CORNER DETAIL PER IRC R602.10.4



CORNER DETAIL USED IN CONJUNCTION WITH 6:1 ASPECT RATIO FRAME



OUTSIDE ELEVATION



SIDE ELEVATION

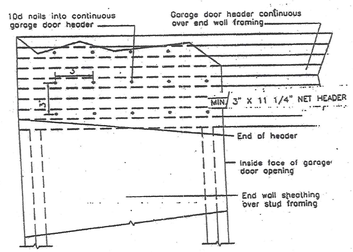
IMPORTANT CODE REQUIREMENT:
ONLY FOR USE ON HOMES WITH FULLY SHEATHED PLYWOOD OR OSB EXTERIOR WALLS, PER IRC R602.10.3

DETAIL OF NARROW WALL BRACING METHOD WITHOUT HOLD-DOWNS

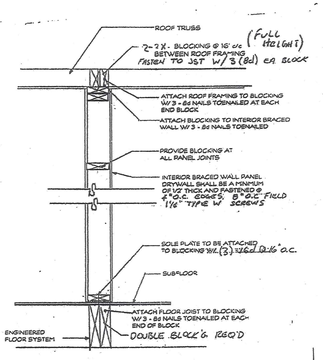
TOP VIEW

SIDE VIEW

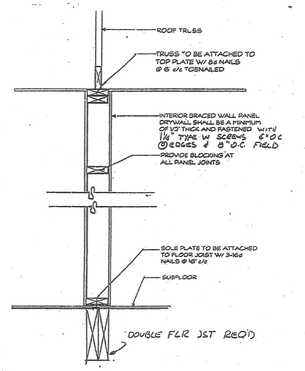
DOUBLE TOP PLATE SPLICE IN BRACED WALL LINE (DRAG STRUT DETAIL)



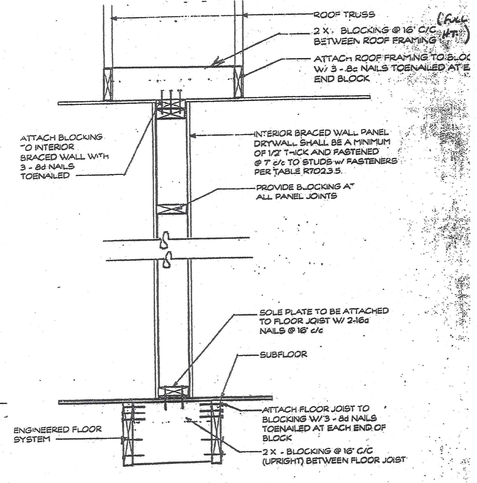
GARAGE DOOR HEADER OVER NARROW END WALL



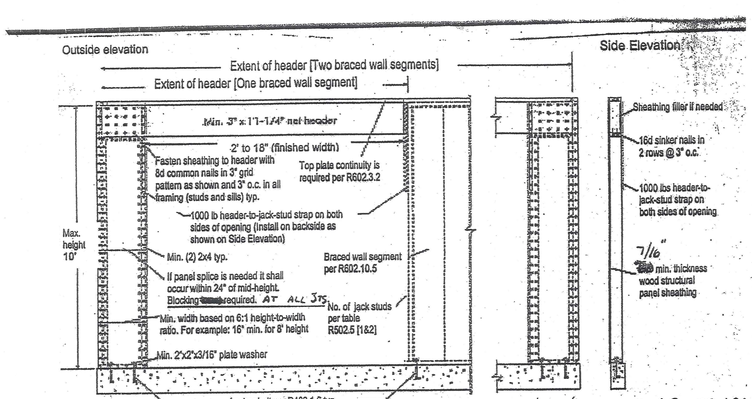
INTERIOR BRACED WALL PERPENDICULAR W/ TRUSS & JOIST
NOT TO SCALE



INTERIOR BRACED WALL W/ TRUSS & JOIST DIRECTLY ABOVE AND BELOW
NOT TO SCALE

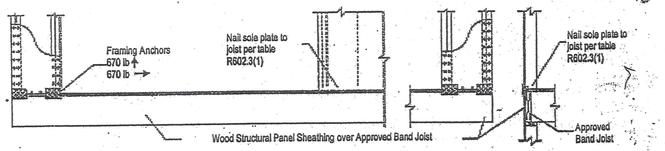


INTERIOR BRACED WALL W/O TRUSS & JOIST DIRECTLY ABOVE AND BELOW
NOT TO SCALE

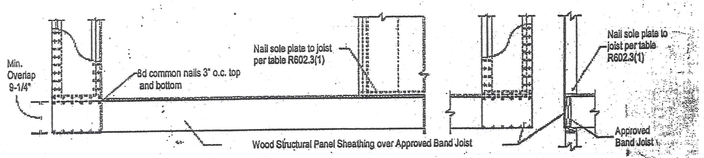


Over concrete or masonry block foundation

(R602.10.6.2, 09 IRC



Over raised wood floor or second floor – framing anchor option



Over raised wood floor or second floor – Wood structural panel overlap option

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI FRANKLIN D. WISEMAN, JR. NUMBER A-2003027170 ARCHITECT

DATE:

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE

Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes

338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO.

DRAWING ISSUE / REVISION

REV #	DESCRIPTION	DATE
		12/21/16

DRAWING TITLE: IRC DETAILS

SHEET NUMBER: D3 OF 10

JOB #

SHEET SIZE: 36" X 24" LANDSCAPE

GENERAL BUILDING NOTES

1. The general or grading contractor is responsible for providing a minimum safe soil bearing capacity of 1500 psf (2000 psf if certified by a Missouri registered soils engineer) for all foundation footings. No foundation footings shall be placed on fill dirt. Design shall conform to Seismic Design Category "A/B" per Sec R301.2.2 of the 2009 International Residential Code for one and two family detached dwellings. All others shall conform to Seismic Design Category C unless soils reports indicate a seismic condition requiring stricter seismic considerations.

2. Backfill shall be free of debris and large rocks, installed in lifts and each lift compacted to fill all voids.

3. F'c=3500 psi @ 28 days (min) concrete, air entrained per table R402.2 of the 2009 IRC or as required by local codes.

4. Concrete basement foundation walls with more than 20% exposure above finish grade to be insulated w/products meeting the following criteria: flame spread rating less than 25; smoke development rating less than 450; can be left exposed without an approved 15 min. thermal barrier (1/2" drywall); R-13 min. insulation value. Extend insulation down to 24" min. below outside finish grade (or to basement slab). Fiberglass batts or blanket. No foam products allowed.

5. Concrete piers to be 30" min. below grade and 24"min. into undisturbed earth. Flare bottom of piers per plan.

6. Basement to have glass area equal to 1/150th of total area.

7. Basement to have vent area to 1% of total area.

8. Basement wall and floors of habitable and occupied spaces are to be water tight and properly reinforced to withstand water pressure as necessary.

9. 6 mil poly vapor barrier required under concrete slabs with lapped joints minimum 6" (basement and garage floors affected.)

10. No ground water present-provide drain tile or perforated pipe around perimeter of the outside of the foundation or inside the foundation under the slab. Drain discharge shall be gravity to daylight or be connected to a basement floor sump. Basement area way drains and foundation drain tiles are not to be connected to a sanitary sewer.
   A) An approved filter membrane shall be placed on 2" minimum gravel or crushed stone and have 6" minimum cover.
   B) Provide sump, 15" in dia. x 18" deep with a fitted cover connected to the foundation drain pipe unless gravity discharge. A sump shall be provided if basement is finished with pump discharge into an approved disposal system.
   C) Provide damp-proofing of floor slab of 6 mil polyethylene film below slab with joints in membrane lapped and sealed.
   D) Walls shall be dampproofed with a bituminous material, 3 lb. per sq. yd. of acrylic modified cement, 1/8" coat of surface bonding mortar, or by any of the materials permitted for wall waterproofing.

10.1 Groundwater present-provide drainage system inside and outside of foundation.
   A) Drainage system shall discharge by gravity to daylight or be connected to an approved sump (15" in diameter by 18" deep fitted cover) having a sump pump that discharges into an approved disposal system. Basement area way drains and foundation drain tiles are not to be connected to a sanitary sewer.
   B) Provide waterproofing membrane under floor slab of rubberized asphalt, butyl rubber, neoprene or minimum 6 mil polyvinyl chloride or polyethylene with joints lapped a minimum of 6" and sealed.
   C) Foundation to be waterproofed with two ply hot-mopped felts, 6 mil PVC, 40 mil polymer asphalt or 6 mil polyethylene. Joints to be lapped and sealed per manufacturers installation instructions.
   D) Waterproofing to be applied from the bottom of the wall to at least 12" above the water table elevation. The remainder of the wall to be dampproofed. All joints in walls and floors to be watertight.

11. Steel and wood beams to have 4" minimum bearing in pocket and grouted solid.

12. All lumber is to conform to Table 1, American Lumber Standards Committee as indicated on this sheet.

13. Roof overhang-2 layers of 15# felt (Type 1 per ASTM D226-95) cemented together from eave 24"inside building wall.. Full 15# felt on all roof surfaces in compliance with 2009 IRC and local ordinances.

14. Attic to have a minimum venting equal to 1/150th of total area. Two (2) remote vents required for each (min) Where ridge or gable vents are used, ½ of the area to be provided by ridge or gable vents and ½ by eave or cornice vents. Ventilation cannot be mechanical only.

15. Aluminum flashing is required at roof/wall and chimney/roof intersections.

16. Corrosion resistant flashing is required at the top and sides of all exterior window and door openings, all wall and roof intersections, changes in roof slope or direction, around all roof openings, intersections with chimneys, intersections of exterior walls and porches & decks, etc. ~~Use (2) layers of 15# felt (type 1 per ASTM D226-95) may be used for flashing at roof valleys and skylight/vent openings~~.

17. Caulking and sealants: Exterior joints around window and door frames; between wall cavities and window or door frames; between wall and foundation, between wall and roof, between wall panels at penetrations or utility services through walls, floors and roofs, and all other openings in the exterior envelope shall be sealed in an approved manner.

18. All exposed materials for porches, soffits, overhangs, etc. to be approved exterior grade materials.

19. Fireblocking is required at all interior bearing partitions, furred spaces & between stair stringers attop and bottom of run, between stair stringers at the top and bottom of the run. Enclosed accessible spaces under stairs shall have walls, under stair surface and any soffits protected on the enclosed side with ½" gypsum board. Fire blocking required for all spaces between the chimney and the floors and ceilings the chimney passes through with 1" depth batt or blanket or mineral wool or glass fiber supported by strips of metal or metal lath. Fire blocking required around vent, pipe and duct penetrations of ceilings and floors.

20. Firestop all dropped ceilings, soffits, and partitions over 8'-1-1/8" high. Ceilings suspended below wood joists or attached to wood floor trusses to be draft-stopped at 1000 sq. ft. intervals and parallel to the framing members.

21. Top and bottom of all conventional and staggered-stud walls to be firestopped.

22. Double floor joists below parallel partitions.

23. All door and window headers: 2-2x10's unless noted otherwise. All headers to conform to Table 1 ALSC, this sheet U.N.O.

24. All nailing must comply with table R602.3.(1), (2) of the 2009 IRC

25. Drywall installation to be in accordance with the Gypsum Association's recommended practices as to the thickness, nailing and taping on correct spacing and Table R602.3.1 of the 2009 IRC

26. All fire rated drywall assemblies shall be installed in accordance with the specifications of the approved test assembly

27. Water resistant gypsum board is required in bath tub and shower areas (DO NOT INSTALL OVER VAPOR BARRIER)

28. Interior finish materials shall not have flame spread ratings exceeding 200. If batt or blanket insulation including facings, vapor retarders or other vapor permeable membranes are exposed, material shall have a flame spread rating of 25 or less and a smoke development rating of 450 or less. Foam plastics shall have a flame spread rating of 75 or less and a smoke development rating of 450 or less

29. Air infiltration rate for windows shall not exceed 0.5 CFM per foot of sash track. Doors shall not exceed 0.5 CFM per sq. ft. of door area. Glazing in any portion of a building wall enclosing bathtubs, showers, hot tubs, etc. which is located less than 60" above a standing surface shall be tested and labeled in accordance with CPSC 16 CFR Part 1201 Standard as a Type I or Type II category safety glazing material.. Any glazing material exceeding 9 s.f. in area is required to be safety glazed in accordance with the following categories:
   a. Glazing in doors enclosing bathtubs, showers, hot tubs, whirlpools, saunas, steam rooms, spas, (TYPE II only), indoor or outdoor pools which is located 60" or less, measured horizontally, from the water's edge and less than 60" vertically above a standing surface
   b. Any glazing material within a 24" arc of either vertical edge of the door in a closed position and if the bottom edge of he glazing material is less than 60" above the floor.
   c. Fixed or operable panels that have individual panes greater than 9 ft. and bottom edge less than 18" above the floor and top edge more than 36" above floor and walking surface within 36" horizontally
   d. All doors
   e. Glazing in hand or guard rails
   f. Glazing adjacent to stairways, landings and ramps within 36" horizontally of the walking surface. And glazing adjacent to stairways within 60" horizontally of the gbottom tread in any direction when the exposed surface of the glass is less than 60" above the tread nosing

   Bathrooms must have 50 CFM min. exhaust to exterior; Kitchen range exhaust fan and/ or down-draft cook top must have 100 CFM min. and 599 CFM max. (Also see note 53) exhaust to exterior; and clothes dryer must be vented to exterior and ducted independent of all other systems through a min. 4" dia. smooth duct. Maximum length of duct to be 25 ft.

31. House to have aluminum gutters and downspouts. Do not connect to sanitary sewers

32. Downspouts shall direct water away from foundation so as to prevent erosion

33. It is the contractor's responsibility to see that the stairway, handrails, balusters and connections are designed, fabricated and installed in accordance with 2009 IRC code requirements as required by local ordinance. Handrails shall either meet A) circular cross-section with minimum diameter of 1-1/4" but not more than 2" B)other approved shapes having a maximum graspable perimeter dimension of 6-1/4", or minimum 4" graspable perimeter dimension. Maximum allowable handrail projection into stair width is 4 ½". Handrails must be continuous and return to either a newel post or wall at each end. Stairways require lighting w/illuminated switches, 10 footcandles min., measured at every tread nosing. Ext. stairs 1 footcandle

34. All wiring copper w/ ground and comply with all national, state, and local codes. Closet lighting per NEC 410-8, kitchen island receptacles per NEC 210-52. Receptacles for ranges and clothes dryers to be 3 pole ground type. Bedroom circuits to be arc protected

35. Grounding: If the underground metal water pipe is used as the grounding electrode, the connection must be made to the pipe within 5' of the point of entrance to the building. A supplemental grounding electrode shall be provided as specified in NEC 250-50 and 250-53

36. All electrical outlets in kitchen, baths, basement, garage and all other exterior electric outlets to be GFCI type. All circuits in bedrooms to be AFCI.

37. Garage/house separating partitions and garage ceiling constructed with 5/8" type X gypsum board (1 hour fire rated assembly) Basement garage or garage with 2nd story above: Ceiling and floor separating garage from dwelling to be 1 hour fire rated assembly of 5/8" type X gypsum board. Soffit down around any mechanical ductwork with 5/8" type X gypsum board. Garage/house separating partitions to be 1 hour fire rated each side of stud. All bearing walls, beams, and columns/wood posts to be wrapped with 1 hour assembly of 15/8" type X gypsum board. All soffits, eaves and overhangs within 5 ft. of a property line must be fire rated. See plans.

38. Smoke detectors to be AC powered with battery backup, UL listed and installed in accordance with NFPA 72-07. Detectors to be interconnected. Hallway detectors shall be located upstream from return air grilles. All bedrooms and each level of a residence must have a carbon monoxide detector. (UL 2034-2008/9)

39. No-lead solder required on all copper water supply piping

40. Plumbers Note: The incoming water service line for dwelling shall be sized as follows: 1" service line-up to 3 ½ baths, 1-1/4" service line-up to 6 baths, and 1 ½" service line-more than 6 baths. This count includes 1-kitchen sink with dishwasher, 1 clothes washer supply and laundry sink, and 2-1/2" exterior continuous use hose bibbs Roughed-in fixtures shall be included in this count.

41. Water service pipe and the building sewer are to be a minimum of 10 ft. apart horizontally

42. Door separating garage from the house is to be 1-3/4" solid core (1 hour fire rated) Door sill to be 4" minimum above garage floor

43. All footings shall be placed on virgin soil (undisturbed subgrade)

44. Finish grade to be 8" min. below top of foundation (6" min. for full masonry walls)) and slope away from foundation 6" IN 10 FT.All areas sloped away to lower elevations

45. Heating contractor to furnish duct layout and heat loss/gain calculations

46. Roof trusses to comply with AFPA NDS-91 and TPI 1-2002; and roof truss manufacturer to furnish Missouri engineer-sealed drawings.

47. Parallam, Microlam, etc installations to be in strict accordance with manufacturer's recommendations. Minimum properties of all structural lumber assemblies to meet or exceed E=1.7, Fv=285 psi, Fb=2600 psi

48. All wood connections shall be in strict accordance with current AITC standards

49. The structure specified on this drawing set is certified as designed. Any additional design work including site plan, lot survey, mechanical details,. Any special foundation design if required soil conditions cannot be met is the responsibility of the builder unless specifically addressed in this set by the design professional

50. Insulating requirements: Roof/ceiling min. R-30; Frame walls and band joists min.R-13; Floor over unheated crawl space min. R-19; Basement foundation wall min. R-13; Slab on grade floor min. R-10 (unheated) R-15 (heated); Windows and doors max. U-.40

51. Entry doors: Locks with thumb turns on the inside are permitted. Inside key operation is permitted provided the key cannot be removed from the lock when locked from the inside

52. Each gas appliance shall have a gas shutoff valve and ground joint union. A sediment trap is required at each appliance or group of appliances. Gas piping shall be identified at intervals of no more than 5 ft. Vibration isolators shall be installed between mechanical equipment and metal ducts.

53. Vibration isolators shall be fabricated from approved materials and shall not exceed 1" in length. Minimum appliance clearance from combustibles is 18" and minimum clearance in front of appliances for services 30" Make-up air shall be provided during the operation of kitchen exhaust systems of 600 CFM or greater exhaust flow. (See M1502.4)

54. Cutting, notching and/or boring holes in wood beams, joists, rafters, or studs shall not exceed the limitations noted in R602.3.1 through 4, R502.8 and R802.7 of the 2009 IRC Code and as required by local ordinance. Stud reinforcement to be done in accordance with R602.6 of the 2009 IRC

55. Nailing and fastening of floor, roof/ceiling, wall and roof sheathing, and gypsum const. shall be in accordance with R602.3.1 through 4 of the 2009 IRC in compliance with local ordinance.

56. Combustible trim and mantles attached to the fireplace face shall be a minimum of 6" from the opening. Combustible material above & projecting more than 1 ½" from a fireplace face wall shall have a minimum clearance of 12" above a fireplace opening

57. Minimum depth of masonry fire box to be 20". Size of chimney connection to the smoke chamber shall have a minimum of 50 sq. in. in cross-sectional area.

58. The walls of the throat and smoke chamber shall be a minimum of 8" solid masonry or 4" of solid masonry with at least 1" of insulating refractory masonry

59. Masonry chimneys shall be constructed of 4" minimum solid masonry or 12" rubble stone masonry & shall be lined with minimum 5/8" thick fire-clay lining or other approved lining

60. Fireplace liner shall extend a minimum 4" into the throat of a masonry fireplace

61. Hanging light fixtures, track lighting & ceiling fans are not to be installed within 36" horizontal of bath tub, measured from outside edge of tub & 96" vertically from top of tub rim. Electric receptacles are prohibited in bath tub or shower space. Shower floors and shower, bathtub/shower enclosure walls to be constructed of smooth noncorrosive, nonabsorbant and waterproof materials to a height of 72" min. above floor

62. General contractor to affix a metal or of other durable material, sign reading "WARNING-TRUSSES NOT DESIGNED FOR STORAGE" in attics on each side of scuttle hole openings, 36" above bottom chord and within 18" of edge, 40 sq. in. in area using ¾" letters. Additionally a 2x4 horizontal railing is to be affixed on each side – 24" min. height and 36" max. height

63. All construction to be in accordance with the 2009 IRC, 2008 National Electric Code, the ~~2003 International Mechanical Code~~ and the 2009 Uniform Plumbing Code and all local ordinances unless otherwise indicated. Where construction does not meet the 2009 IRC, construction documents will be supplied either by the contractor or design professional of record showing compliance with the 2009 International Building Code.

64. Windows: All skylights shall be double-glazed with maximum U value of 0.60. Windows for natural ventilation of unfinished basements may be single glazed. All other windows shall comply with one of the following conditions: For window areas that do not exceed 24% of the gross insulated frame wall area or the entire building:
   a) Use double glazed windows with ½" minimum (gross overall thickness) clear glass, with either aluminum frame with thermal break, vinyl frame, wood frame, or fiberglass frame. OR
   b) Use a window having a maximum overall U value not more than 0..40

   For window areas greater than 24% and not more than 30% of the gross insulated frame wall area of the entire building, use one of the following options: Use double glazed windows with ½" min. (gross overall thickness) clear glass, with either aluminum frame with thermal break, vinyl frame, wood frame or fiberglass frame with one of the following options:
   1. Treated with Low E film
   2. Exterior wall sheathed with a minimum ½" sheathing with an R- value of R3 min.
   3. Max U value of all windows shall not exceed 0.40

65. Contractor to install sign stating the house is equipped with dryer duct clean-outs when clean-outs are installed.

66. Mechanical contractor is required to install a programmable thermostat.

67. Electrical contractor is to install at least one communication outlet within the dwelling and cabled to the service provider demarcation point. The communication system shall have an interior bonding terminal.

68. Foam insulation products to be separated from interior by 1/2" thick gypsum.

69. No exposed or partially exposed or pendant lights allowed in closets. Maintain 12" clearance between light fixture and storage for incandescent lighting and 6" clearance for flourescent lighting.

70. Shower, shower floor and shower/bath enclosures to be smooth, non-corrosive, non-absorbent and waterproof up to 6 ft. 0 in. above floor.

71. Clearance for all mechanical equipment shall be 18 inches sides and back and 30 inches front.

72. All bedroom, habitable attics and basement to have a minimum of one egress window with 44 inches maximum dimension from finished floor to bottom of clear opening, 20 inches minimum width of clearance and 24 inches minimum height of clear opening. The shall also be a minimum open area for each egress window of 5.7 sq. ft. Egress openings in basement walls shall conform to the detail on this sheet.

73. The contractor shall insure all fuel gas appliances meet the requirements of the 2009 IRc, specifically Sec G2407-Combustion and Ventilation Requirements, Sec. G2408 Installation Requirements, Cec G2409, Clearance Requirements

74. Roof Valleys (Open) Either 24" wide metal per Table 905.2.8.2 or two plies of mineral surfaced roo roofing, ASTM D3909 or D6380 Class M-bottom layer 18 w., top layer 36" w. (Closed)-one ply smooth roll roofing ASTM D6380, 3 in. w.or self-adhesive polymer layment, ASTM D1970

75. A waterproof GFCI receptacle is required within 25 ft. of the outside A/C condenser

SOUTHERN PINE REFERENCE DESIGN VALUES

Based on SPIB Grading Rules and AWC National Design Specification. Values in pounds per square inch (psi)

Table 1 Dimension Lumber – 2" to 4" thick, 2" and wider — Effective June 1, 2013

Based on Normal Load Duration and Dry Service (MC≤ 19%)

Size	Grade	Bending F_b	Tension Parallel to Grain F_t	Shear Parallel to Grain F_v	Compression Perpendicular to Grain $F_{c\perp}$	Compression Parallel to Grain F_c	Modulus of Elasticity E	Modulus of Elasticity E_{min}
2" to 4" thick, 2" to 4" wide Includes: 2x2 2x3 2x4 3x3 3x4 4x4	Dense Select Structural	2700	1900	175	660	2050	1,900,000	690,000
	Select Structural	2350	1650	175	565	1800	1,800,000	660,000
	Non-Dense Select Structural	2050	1450	175	480	1800	1,600,000	580,000
	No.1 Dense	1650	1100	175	660	1750	1,800,000	660,000
	No.1	1500	1000	175	565	1650	1,600,000	580,000
	No.1 Non-Dense	1300	875	175	480	1550	1,400,000	510,000
	No.2 Dense	1200	750	175	660	1500	1,600,000	580,000
	No.2	1100	675	175	565	1450	1,400,000	510,000
	No.2 Non-Dense	1050	600	175	480	1450	1,300,000	470,000
	No.3 and Stud	650	400	175	565	850	1,300,000	470,000
	Construction	975	500	175	565	1600	1,400,000	510,000
	Standard	475	275	175	565	1300	1,200,000	440,000
	Utility	225	125	175	565	550	1,200,000	440,000
2" to 4" thick, 5" to 6" wide Includes: 2x5 2x6 3x5 3x6 4x5 4x6	Dense Select Structural	2400	1650	175	660	1900	1,900,000	690,000
	Select Structural	2100	1450	175	565	1800	1,800,000	660,000
	Non-Dense Select Structural	1850	1300	175	480	1700	1,600,000	580,000
	No.1 Dense	1500	1000	175	660	1650	1,800,000	660,000
	No.1	1350	875	175	565	1550	1,600,000	580,000
	No.1 Non-Dense	1200	775	175	480	1450	1,400,000	510,000
	No.2 Dense	1050	650	175	660	1450	1,600,000	580,000
	No.2	1000	600	175	565	1400	1,400,000	510,000
	No.2 Non-Dense	950	525	175	480	1350	1,300,000	470,000
	No.3 and Stud	575	350	175	565	800	1,300,000	470,000
2" to 4" thick, 8" wide Includes: 2x8 3x8 4x8[3]	Dense Select Structural	2200	1550	175	660	1850	1,900,000	690,000
	Select Structural	1950	1350	175	565	1700	1,800,000	660,000
	Non-Dense Select Structural	1700	1200	175	480	1650	1,600,000	580,000
	No.1 Dense	1250	900	175	660	1600	1,800,000	660,000
	No.1	1250	800	175	565	1500	1,600,000	580,000
	No.1 Non-Dense	1100	700	175	480	1400	1,400,000	510,000
	No.2 Dense	975	600	175	660	1400	1,600,000	580,000
	No.2	925	550	175	565	1350	1,400,000	510,000
	No.2 Non-Dense	875	500	175	480	1300	1,300,000	470,000
	No.3 and Stud	525	325	175	565	775	1,300,000	470,000
2" to 4" thick, 10" wide Includes: 2x10 3x10 4x10[3]	Dense Select Structural	1950	1300	175	660	1800	1,900,000	690,000
	Select Structural	1700	1150	175	565	1650	1,800,000	660,000
	Non-Dense Select Structural	1500	1050	175	480	1600	1,600,000	580,000
	No.1 Dense	1200	800	175	660	1550	1,800,000	660,000
	No.1	1050	700	175	565	1450	1,600,000	580,000
	No.1 Non-Dense	950	625	175	480	1350	1,400,000	510,000
	No.2 Dense	850	525	175	660	1350	1,600,000	580,000
	No.2	800	475	175	565	1300	1,400,000	510,000
	No.2 Non-Dense	750	425	175	480	1250	1,300,000	470,000
	No.3 and Stud	475	275	175	565	750	1,300,000	470,000
2" to 4" thick, 12" wide[2] Includes: 2x12 3x12 4x12[3]	Dense Select Structural	1800	1250	175	660	1750	1,900,000	690,000
	Select Structural	1600	1100	175	565	1650	1,800,000	660,000
	Non-Dense Select Structural	1400	975	175	480	1550	1,600,000	580,000
	No.1 Dense	1100	750	175	660	1500	1,800,000	660,000
	No.1	1000	650	175	565	1400	1,600,000	580,000
	No.1 Non-Dense	900	575	175	480	1350	1,400,000	510,000
	No.2 Dense	800	500	175	660	1300	1,600,000	580,000
	No.2	750	450	175	565	1250	1,400,000	510,000
	No.2 Non-Dense	700	400	175	480	1250	1,300,000	470,000
	No.3 and Stud	450	250	175	565	725	1,300,000	470,000

(1) For Utility, design values apply to 4"-wide lumber only. (2) For lumber 4" thick and 8" or wider, multiply the F_b value by C_F = 1.1. (3) For lumber wider than 12", multiply these 12"-width design values for F_b, F_t and F_c by C_F = .90, and use these 12"-width design values for the other properties.

The Southern Pine Products Association (SPPA) does not test lumber or establish design values. Neither SPPA, nor its members, warrant that the design values are correct, and disclaim responsibility for injury or damage resulting from the use of such design values.

SELECT SIZE AT INDICATED GRADES

76. Wind speed criteria for this design is based on 90 mph (3 sec. gust) criteria per Sec. R301.2(4) of the 2009 IRC. Wall and roof connections in this design are adequate to resist these wind loads.

77. The structure specified on these plans will be termite damage protected by the contractor according to R317 and R318 of the 2009 IRC.

78. An approved ice and water shield shall be provided on all roof edges in compliance with Sec. R905.2.7.1 of the 2009 IRC.

The Professional Architects seal affixed to this sheet indicates that the named Architect has prepared or directed the preparation of the material shown only on this sheet. Other drawings and documents not exhibiting this seal shall not be considered prepared by or the responsibility of the undersigned.

STATE OF MISSOURI · FRANK JOSEPH WISEMEN JR · NUMBER A-2003027170 · ARCHITECT

DATE: 12-2-16

Frank Wisemen
Missouri License #: A-2003027170

ARCHITECTURE
Frank Wiseman
(Sole Proprietor)
Missouri License #: A-2003027170
4442 Friarwood Dr., Alton, IL 62002
Phone: 618-225-7472
E-mail: fdwjr@charter.net

Pamela L. Alsing
(Not a Licensed Architect)
3745 Yaeger Rd, St. Louis, Mo 63129
Phone: 314-845-9723
E-mail: pamalsing@gmail.com

WHALEN Custom Homes
338 S. Kirkwood Road
Kirkwood, MO 63122
Sales: 314-575-7645
Office: 314-821-1745

PROJECT TITLE

Proposed Residence For:
THE HARPER FAMILY
LOT 9 STONE MILL
WILDWOOD, MO

DRAWING ISSUE / REVISION

REV #	DESCRIPTION	DATE
		12/2/16

DRAWING TITLE: GENERAL NOTES

SHEET NUMBER: D4 OF 10

JOB #

SHEET SIZE: 36" X 24" LANDSCAPE

EXTERIOR

SHINGLES
- Tamko 30 Yr Architectural Heritage- Weathered Wood

SIDING/SOFFIT/FASCIA
- JamesHardie HardiePlank Lap Siding- Timberbark

BRICK
- Stanford Oversized

STONE
- Harvest Mix Tumbled

WINDOWS
- Andersen 100 Series- Dark Bronze Exterior/White Interior

FRONT DOOR
- Therma Tru S83 Rain Glass Double 2880

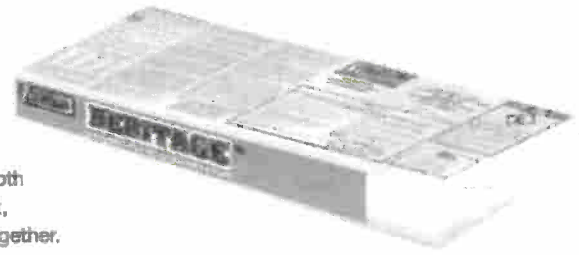
SHUTTERS
- Cedar Per Plan- Stained to Match Front Door

GARAGE DOOR
- Delden Classica Series- N10, 8x8, 16x8 Painted Dark Bronze

HERITAGE®
LAMINATED ASPHALT SHINGLES

PRODUCT DATA

MANUFACTURED IN JOPLIN, MO



HERITAGE® shingles have a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt, surfaced with mineral granules and then laminated together. They also include a self-sealing strip of asphalt.

USES: For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to application instructions for low slope.

- Rustic beauty of wood shakes.
- Shadowtone feature adds dimension, depth of appearance and curb appeal.
- 30-year Limited Warranty, 15-year Full Start, 5-year Transferability.

SHINGLES BEGIN TO AGE AS SOON AS THEY ARE EXPOSED TO NATURE. BUILDINGS EXPERIENCE AGING FACTORS DIFFERENTLY, SO IT IS DIFFICULT TO PREDICT HOW LONG SHINGLES WILL LAST. THAT'S WHY TAMKO PROVIDES A LIMITED WARRANTY, THAT INCLUDES A BINDING ARBITRATION CLAUSE AND OTHER TERMS AND CONDITIONS WHICH ARE INCORPORATED HEREIN BY REFERENCE. YOU MAY OBTAIN A COPY OF THE LIMITED WARRANTY AT TAMKO.COM OR BY CALLING 1-800-641-4691.

CERTIFICATIONS

UL Listed for Class A Fire Rating:	UL 790/ASTM E 108, Class A
UL Classified for Wind Resistance:	ASTM D 7158, Class H and ASTM D 3161, Class F
UL Classified in accordance with:	ASTM D 3462 and ICC-ES Acceptance Criteria AC438
UL Evaluation Reports:	UL ER2919-01 and UL ER2919-02
Florida Building Code Approved:	FL 18355

COLORS

AMERICA'S NATURAL COLORS

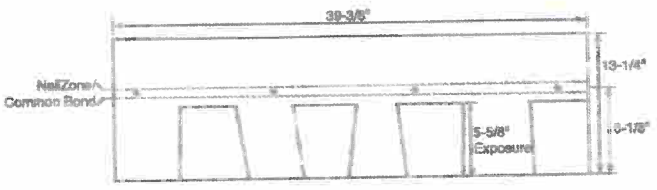
- Black Walnut
- Harvest Gold
- Mountain Slate
- Natural Timber
- Painted Desert
- Thunderstorm Grey

CLASSIC HERITAGE COLORS

- Antique Slate
- Olde English Pewter
- Oxford Grey
- Rustic Black
- Rustic Cedar
- Rustic Evergreen
- Rustic Hickory
- Rustic Slate
- Weathered Wood

PRODUCT DATA†

Shingle size	13-1/4" x 39-3/8"
Exposure	5-5/8"
Coverage per Square††	98.4 sq.ft.
Shingles per Square††	64
Bundles per Square††	3



† All values stated as nominal.

†† When applied according to instructions.

CAUTION: This product contains crystalline silica and formaldehyde. Crystalline silica and formaldehyde have been classified as "known" human carcinogens by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. This product also contains oxidized asphalt. Occupational exposures to oxidized asphalt and its emissions during roofing have been classified by IARC as a "probable human carcinogen". Oxidized asphalt also contains Polycyclic Aromatic Hydrocarbons some of which have been classified by IARC as known or probable human carcinogens. The physical nature of this product may help limit any inhalation or dermal hazard during application and/or removal. However, physical forces such as sawing, grinding or drilling during demolition work and heating or burning may increase the inhalation or dermal exposure hazard of this product. Take precautions to prevent breathing and contact with skin.

Information included in this product data sheet was current at time of printing. To obtain a copy of the most current version of this product data sheet, visit us online at tamko.com or call us at 800-641-4691.

TAMKO Logo, Heritage, and TAMKO are registered trademarks of TAMKO Building Products, Inc.

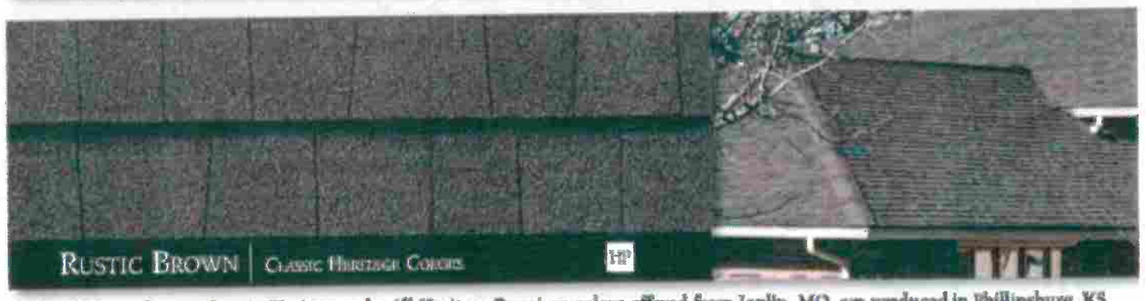
TAMKO BUILDING PRODUCTS

P.O. Box 1404 • Joplin, MO 64802-1404 • 1-800-641-4691 • tamko.com

Rev. 07/2019

HP HERITAGE® Premium Shingles H HERITAGE® Shingles Symbols shown beside each color name denote product options and availability.

NOTE: TAMKO® RECOMMENDS VIEWING AN ACTUAL ROOF INSTALLATION PRIOR TO FINAL COLOR SELECTION FOR THE FULL IMPACT OF COLOR BLENDING AND PATTERNS. REPRODUCTION OF THESE COLORS IS AS ACCURATE AS OUR PRINTING WILL PERMIT.



Joplin, MO, produces colors in Heritage only. All Heritage Premium colors offered from Joplin, MO, are produced in Phillipsburg, KS. Rustic Redwood and Rustic Brown swatch photos are Phillipsburg Heritage Premium colors. All other swatch photos shown in this

Technical Attributes
HardiePlank™ Lap Siding

Effective 12/2007

James Hardie Building Products, Inc.

HardiePlank™ Lap Siding has been comprehensively tested and displays the following typical physical properties.

	General Property	Test Method	Unit or Characteristic	Requirement	Result
PHYSICAL ATTRIBUTES	Dimensional Tolerances	ASTM C1185	Length	± 0.5%	Pass
		ASTM C1185	Width	± 0.5%	Pass
		ASTM C1185	Thickness	± 0.04 in.	Pass
		ASTM C1185	Squareness	< 1/32 in./ft of length	Pass
		ASTM C1185	Edge Straightness	< 1/32 in./ft of length	Pass
	Density, lb/ft³	ASTM C1185		As reported	< 83
	Water Absorption, % by mass	ASTM C1185		As reported	< 36
	Water Tightness	ASTM C1185	Physical Observations	No drop formation	Pass
	Moisture Content, %	ASTM C1185		As reported	~ 5
	Moisture Movement, % Linear Change	ASTM C1185	30 – 90% Relative Humidity	As reported	≤ 0.05
	Flexural Strength	ASTM C1185	Wet conditioned, psi	> 1015 psi	Pass
		ASTM C1185	Equilibrium conditioned, psi	> 1450 psi	Pass
THERMAL	Thermal Conductivity	ASTM C177	K_{eff} = BTU/hr-ft²-° F	As reported	2.07
	Actual Thermal Conductivity	ASTM C177	(K_{eff})	As reported	6.62
	Thermal Resistance	ASTM C177	$R=1/K_{eff}$	As reported	0.48
	Actual Thermal Resistance	ASTM C177	(R)	As reported	0.15
DURABILITY	Warm Water Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
		ASTM C1185	Warm Water, % wet retention	≥ 85%	Pass
	Heat/Rain Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
	Freeze/Thaw Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
		ASTM C1185	Mass Loss, %	≤ 3.0	Pass
		ASTM C1185	Freeze/Thaw, % wet retention	≥ 80%	Pass
	UV Accelerated Weathering Test	ASTM G23	Physical Observations	No cracking, checking, or crazing	Pass
FIRE CHARACTERISTICS	Surface Burning Characteristics	ASTM E84	Flames Spread Index (FSI)	0	Pass
		ASTM E84	Smoke Developed Index (SDI)	≤ 5	Pass
		ASTM E84	Fuel Contributed	0	Pass
			NFPA Class	As reported	A
			Uniform Building Code™ Class	As reported	1
			International Building Code® Class	As reported	A
	Noncombustibility	ASTM E136	Noncombustible	Pass/fail	Pass
	Fire Resistance Rated Construction	ASTM E119	Fire Resistance Rating	1-hour	Note 1

Note 1: Listed on Warnock Hersey and ICC-ES NER-405

NOTE: In addition to the above product properties, building assemblies incorporating this product have been tested for fire, acoustic and impact performance

© 2007 James Hardie International Finance B.V. All rights reserved TM, SM, and ® denote trademarks or registered trademarks of James Hardie International Finance B.V.

Additional installation information, warranties, and warnings are available at www.jameshardie.com

JamesHardie

THIS TECHNICAL SUPPLEMENT MUST BE READ IN CONJUCTION WITH THE CURRENT TECHNICAL PRODUCT LITERATURE. JAMES HARDIE BUILDING PRODUCTS MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE TECHNICAL PRODUCT LITERATURE. ALL COMPONENTS AND ACCESSORIES MUST BE INSTALLED IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S SPECIFICATIONS. FOR THE PRODUCT WARRANTY, TERMS AND CONDITIONS REFER TO THE APPLICABLE JAMES HARDIE TECHNICAL PRODUCT LITERATURE

WHALEN Custom Homes

Timber Bark Example

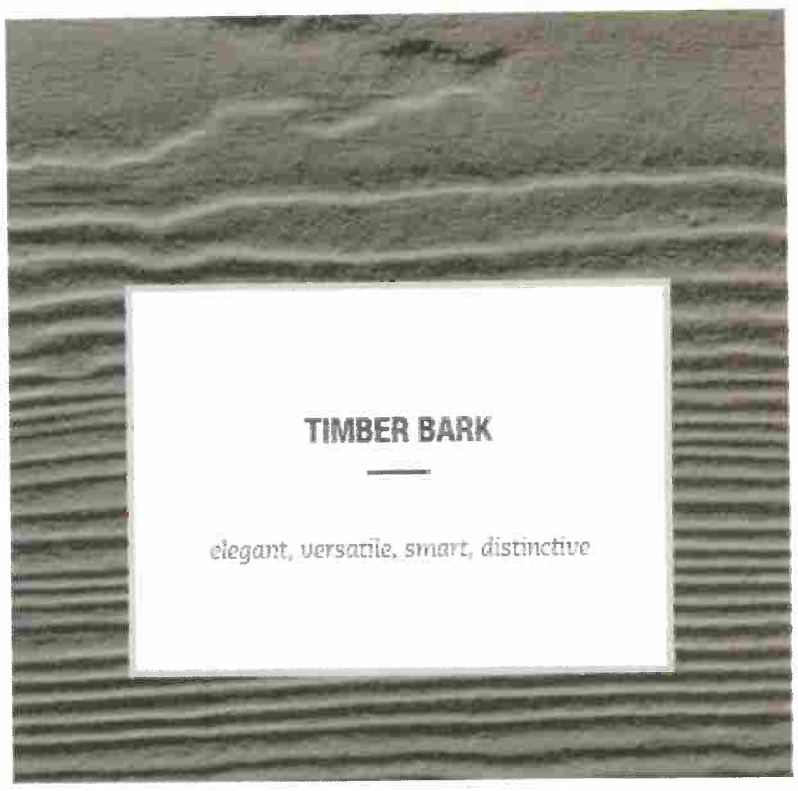
2 messages

Customer Service South <SouthCS@jameshardie.com> Mon, Nov 28, 2016 at 7:58 AM
To: "jennifer@whalencustomhomes.com" <jennifer@whalencustomhomes.com>

Dear Jennifer,

Please see the below color example.

Also note these swatches can be found on www.JamesHardie.com



Thank you,

Katie Wiese

James Hardie Building Products

Customer Operations Exteriors

Phone: 888-888-3408

Fax: 800-968-7040

E-mail: SouthCS@jameshardie.com

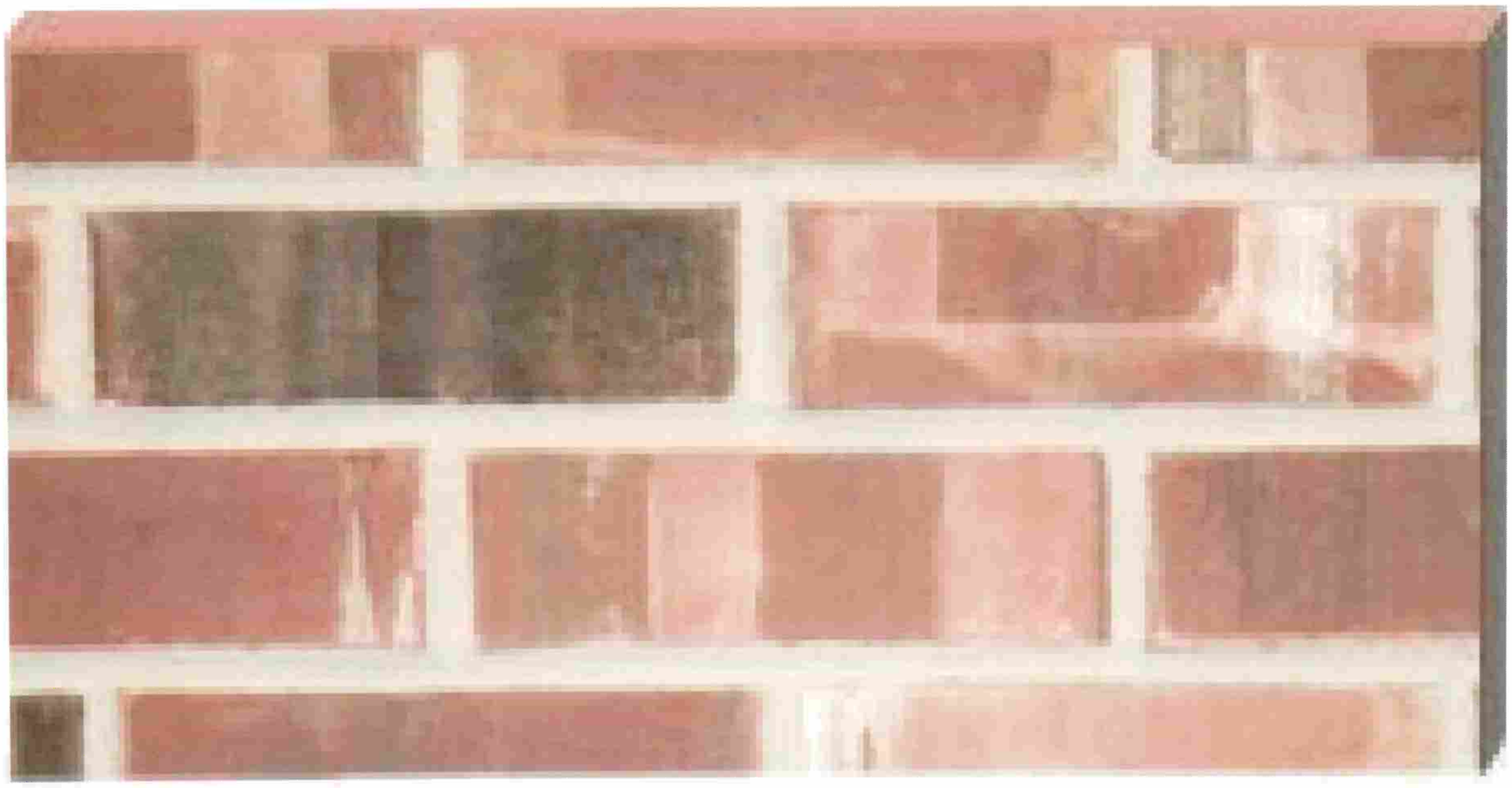
customerfeedback@jameshardie.com

James Hardie will be closed for Thanksgiving, November 24-25th.

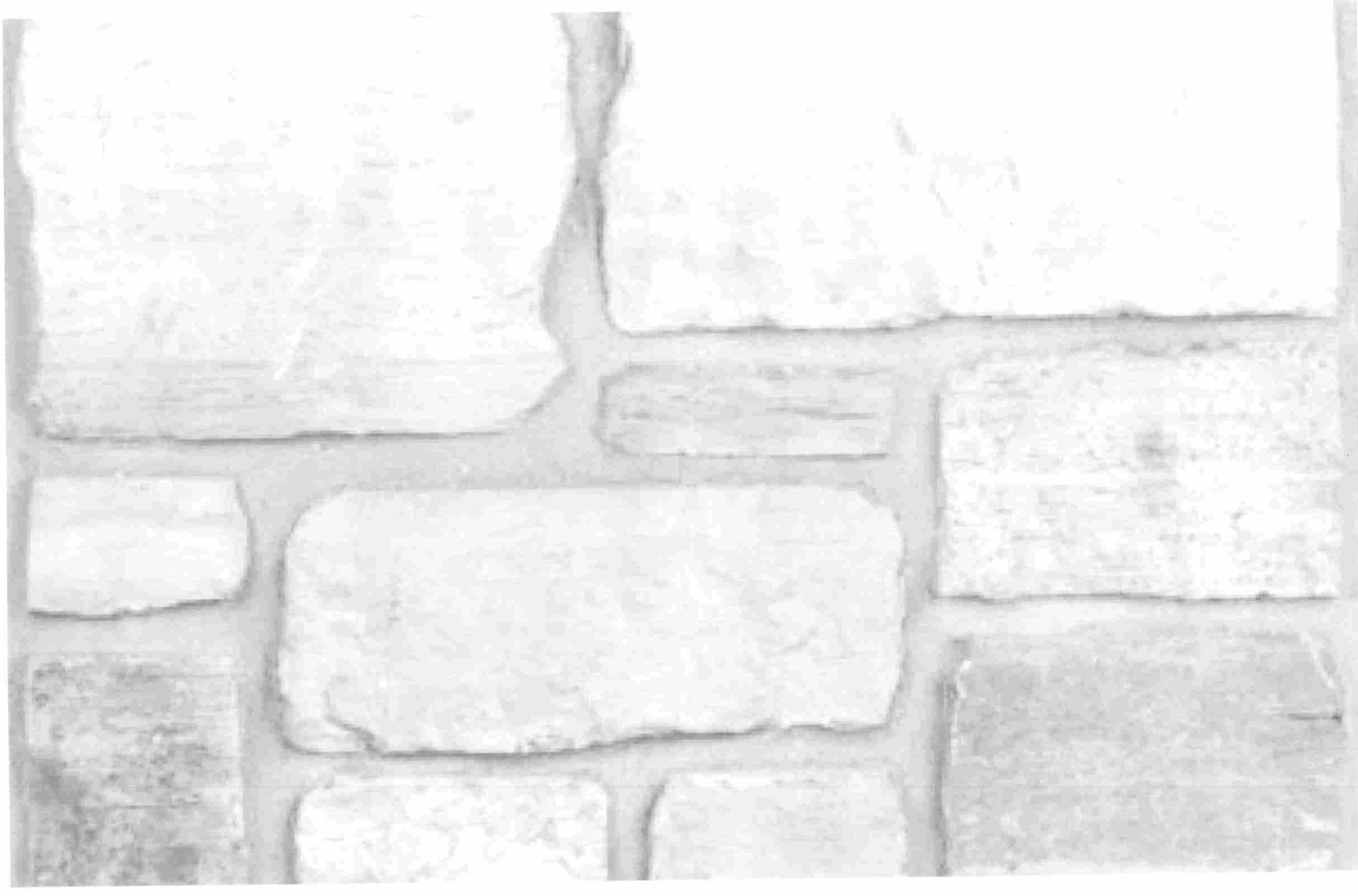
---

jennifer@whalencustomhomes.com <jennifer@whalencustomhomes.com> Mon, Nov 28, 2016 at 9:16 AM
To: Katie Peroutka <katie@whalencustomhomes.com>

Sent from my iPhone



1560 Stanford



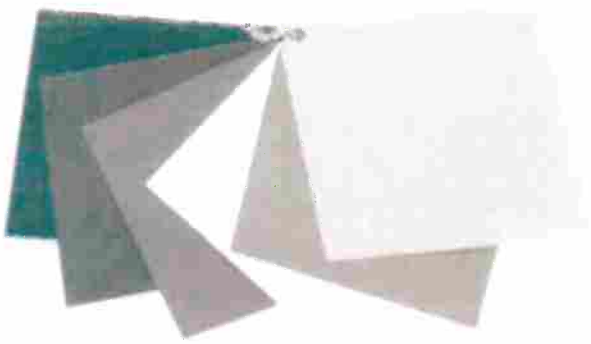
100 SERIES
WINDOWS & PATIO DOORS

THE SMART ALTERNATIVE TO VINYL

Whether you're replacing, remodeling or building, Andersen® 100 Series windows and patio doors are a smart step up from vinyl. They provide uncommon value, combining time-tested performance with long-lasting beauty. Our 100 Series products are made with our revolutionary Fibrex® composite material, which comes in deep, rich colors that can dramatically enhance any project. In addition, Fibrex material is environmentally responsible and energy efficient, making 100 Series products a winning choice for anyone considering vinyl windows and doors.

DURABILITY

Fibrex material is twice as strong as vinyl, so weathertight seals stay weathertight. And 100 Series products come with durable factory-finished interiors and exteriors that never need painting and won't fade, flake, blister, chalk or peel.*



DEEP, RICH COLORS

Our 100 Series windows come in beautiful colors that can set a project apart.

ENVIRONMENTALLY SMART

Our Fibrex composite material is composed of 40% reclaimed wood fiber by weight, most of which is created during the manufacture of Andersen wood windows.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details.

ANDERSEN® 100 SERIES WINDOWS & DOORS
DELIVER BEAUTY, PERFORMANCE AND VALUE.

All 100 Series windows and patio doors feature the performance, durability and ease of use you've come to expect from Andersen. They not only provide energy efficiency, beauty and reliability today, but they'll also continue to add value to your projects tomorrow and for years* to come.

ENERGY EFFICIENCY

ASK ABOUT ENERGY STAR

MEETS ENERGY STANDARDS FOR EVERY CLIMATE

Energy-efficient 100 Series products with options that are ENERGY STAR® certified can help lower heating and cooling bills. What's more, the Fibrex® material used for 100 Series frames and sash blocks thermal transfer nearly 700 times better than aluminum.

IT PAYS TO UNDERSTAND PERFORMANCE

Whatever your project, you want to make sure you have accurate energy performance ratings. The National Fenestration Rating Council® (NFRC) is a nonpartisan, nonprofit organization that provides ratings you can rely on. Go to pages 90-95 for product performance information or visit **andersenwindows.com/100series** for details.

GLASS OPTIONS THAT MAXIMIZE PERFORMANCE

Andersen® 100 Series windows and patio doors feature glass options designed to suit every climate, project and customer. Choose from several glass options that help reduce energy bills, including patterned glass that adds beauty and privacy. See page 10 for details.

WEATHERSTRIPPING SELECTED FOR STYLE AND COMFORT

We carefully select weatherstripping to match each style of window and door so your customers can enjoy superior comfort and reliability.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details.

DURABILITY

EASY OPERATION FOR YEARS* TO COME

All Andersen® 100 Series products are rigorously tested to deliver years* of smooth, reliable operation.

DESIGNED FOR PERFORMANCE

100 Series products are designed to meet or exceed performance requirements in all 50 states.** See pages 90-95 for details.

TAKE COMFORT IN SUPERIOR WEATHER RESISTANCE

Our weather-resistant construction seals out drafts, wind and water so well that your reputation is protected whatever the weather.

OWNER2OWNER® LIMITED WARRANTY

QUALITY SO SOLID THAT THE WARRANTY IS TRANSFERABLE*

Most other window and door warranties end when a home is sold, but our coverage — 20 years on glass, 10 years on non-glass parts — transfers from each homeowner to the next. And, because it's not prorated, the coverage offers full benefits, year after year, owner after owner.

NEVER NEEDS PAINTING

100 Series windows and doors won't fade, flake, blister, chalk or peel.*

STRONGER CORNER JOINTS

Corner key construction produces joints that are stronger and more attractive than welded vinyl.

Corner key construction

BEAUTY

VIRTUALLY SEAMLESS CORNERS

To give your windows, patio doors and projects a beautiful, clean look, 100 Series products feature virtually seamless corners.

100 Series corner seam **Welded vinyl corner seam**

SIX COLORS FOR BEAUTIFUL CURB APPEAL

From White and Sandtone to deep, rich Terratone, Cocoa Bean, Dark Bronze and Black colors, 100 Series windows and doors complement any project.

ATTRACTIVE MATTE INTERIORS

Durable, matte White or Sandtone interiors are available. Interiors may also be painted to match a home's décor.†

DESIGN FLEXIBILITY

Choose from a complete product line (single-hung, gliding, casement, awning, picture and specialty windows and gliding patio doors) in a variety of shapes, sizes and combinations.

IMPROVE YOUR VIEW WITH TRUSCENE® INSECT SCREENS

With over 50% more clarity than conventional insect screens, optional TruScene® insect screens for windows give you beautifully unobstructed views. They let more sunlight and fresh air into the home while keeping the smallest insects out.††

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details.
**See your local code official for building code requirements in your area.
†See care and maintenance guide.
††All comparisons made to conventional Andersen® insect screens.

FIBREX® MATERIAL.
STRONG ON PERFORMANCE. GENTLE ON THE ENVIRONMENT.

With Fibrex® composite material, you get the best of both worlds: a top-performing product that is environmentally responsible.

Developed by Andersen, Fibrex material is a revolutionary structural composite material that blends the very best attributes of vinyl and wood. Fibrex material saves on natural resources because it is composed of 40% wood fiber by weight reclaimed from the manufacture of Andersen® wood windows. Special polymer formulations surround and fill each wood fiber, enabling top performance.

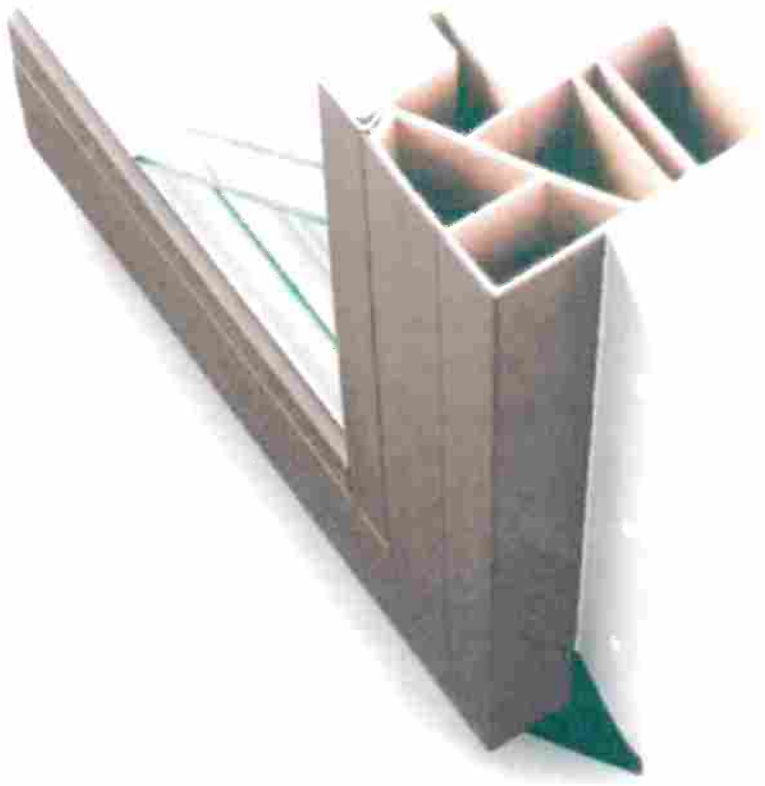
The result is a material that provides uncommon value and enhances the quality of any project. In use for nearly two decades in Andersen products, Fibrex material has proven its strength and durability in all types of climates.

A REVOLUTIONARY BUILDING MATERIAL

- Fibrex material is twice as strong as vinyl, so weathertight seals stay weathertight
- It blocks thermal transfer nearly 700 times better than aluminum to help reduce heating and cooling bills
- For exceptional durability, Fibrex material retains its stability and rigidity in all climates

ENVIRONMENTALLY RESPONSIBLE

- Since Andersen developed the highly sustainable Fibrex material, reuse of waste wood fiber has prevented the harvesting of nearly 90 million board-feet of timber
- 100 Series windows can help builders earn LEED® points in three key categories: Energy & Atmosphere, Materials & Resources and Indoor Environmental Quality
- 100 Series products meet or exceed California Section 01350 Specification, a California indoor emission standard — one of the toughest in the country
- Like all Andersen windows, the 100 Series product line is designed to last* and reduce future waste streams



ASK ABOUT ENERGY STAR

See how Andersen created Fibrex material at **andersenwindows.com/fibrex**

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details.

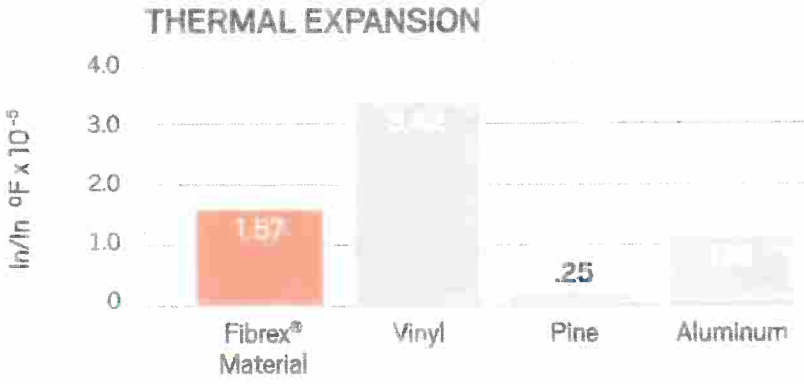
All logos and marks are trademarks of their respective owners.

STABLE & PREDICTABLE

Fibrex® material is twice as stiff as vinyl. This strength makes it a better choice over time.

DURABLE & RELIABLE

All materials expand and contract when exposed to extreme temperatures. In these types of conditions, Fibrex material performs twice as well as vinyl, which can bow and crack over time.

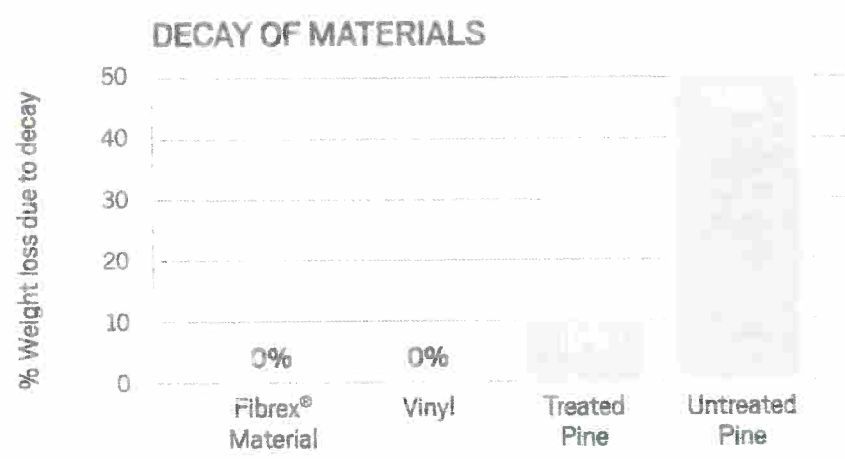


AN EXCELLENT INSULATOR

The built-in thermal qualities of Fibrex material mean that less heat and cold get transferred through the unit into your customers' homes. As an insulator, it's on par with vinyl and is far superior to aluminum.

MOISTURE-RESISTANT

Because Fibrex material combines wood fiber and a special polymer formula, water has a tough time penetrating. The result is an increased resistance to rot.



HEAT-RESISTANT

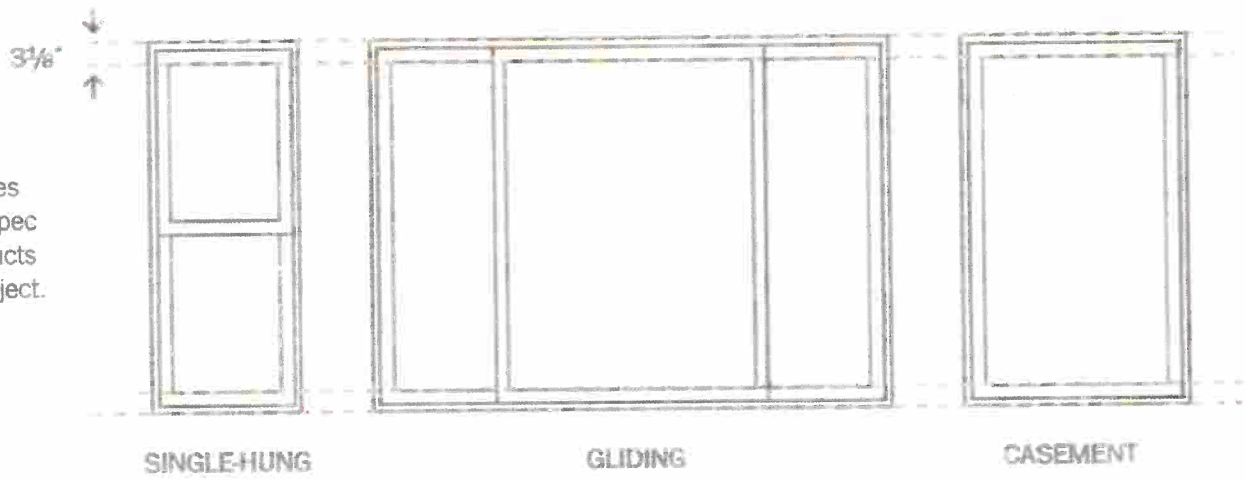
Designed to withstand direct sunlight, Fibrex material can withstand temperatures in excess of 160°F, even in dark colors.

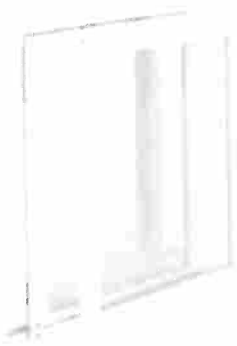
WHATEVER YOUR PROJECT, ANDERSEN DELIVERS.

BUILD

Wherever you work and whatever style of home you're building, you'll find a window or door to match in the Andersen® 100 Series product line. Choose from six exterior colors that won't fade, flake, blister, chalk or peel*— no matter what the climate. Virtually seamless corners create a beautiful, clean look.

Uniform sight lines make it easy to spec 100 Series products for the whole project.





SINGLE-HUNG DRYWALL WINDOW (DRYWALL PASS-THROUGH WINDOW)

- Upper sash (normally stationary) is easily removed on jobsite after the window is installed
- With both sash removed, drywall passes through the window into upper floors

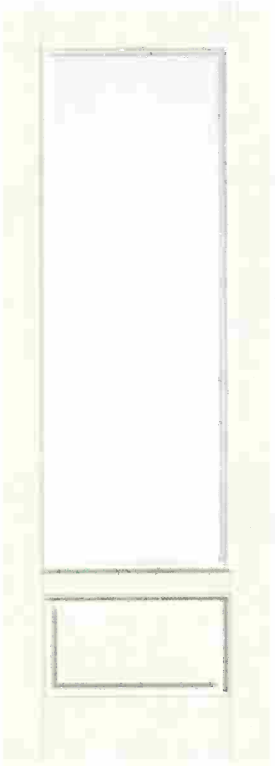
EXTENSION JAMB ATTACHMENT FLANGE

- Easily apply extension jambs to products on the jobsite
- Flanges consist of 8" lengths of PVC applied to the outside edges of frames with VHB (very high bond) tape
- Watch a video on this convenient feature at **andersenwindows.com/extjamb**

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details.

Door Details

Email | Post It | Share | Print | Save My Door



Create curb appeal with plenty of color options. Smooth-Star features crisp, clean lines with a smooth, paintable surface. A much more attractive and durable alternative to steel, it has the look of a real wood door with all the benefits of fiberglass. From curb appeal to convenience, Smooth-Star entry doors are made to keep up with your lifestyle.

Fiberglass Entry Door Systems: Smooth-Star

About this entry door system

This entry door system is available with different features. The table below breaks down the various product options by size and available features. You should work with an authorized Therma-Tru dealer and/or your builder to determine the best option for your home based on environment and region of the country.

Door

8ft 3/4 Lite 1 Panel Style IDs	Available Sizes	Available Options
S880	2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	

Finish Option: Paintable

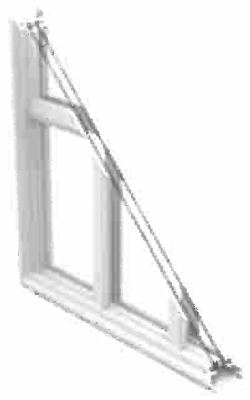
ENERGY STAR | LIFETIME LIMITED WARRANTY | Installation Instructions

Where to buy
Click to locate an authorized Therma-Tru dealer near you.

Clear Glass

Clear Features
Our insulated clear glass doorlites are tempered and double-paned.

Grille:



Simulated Divided Lites

More Divided Lite Details

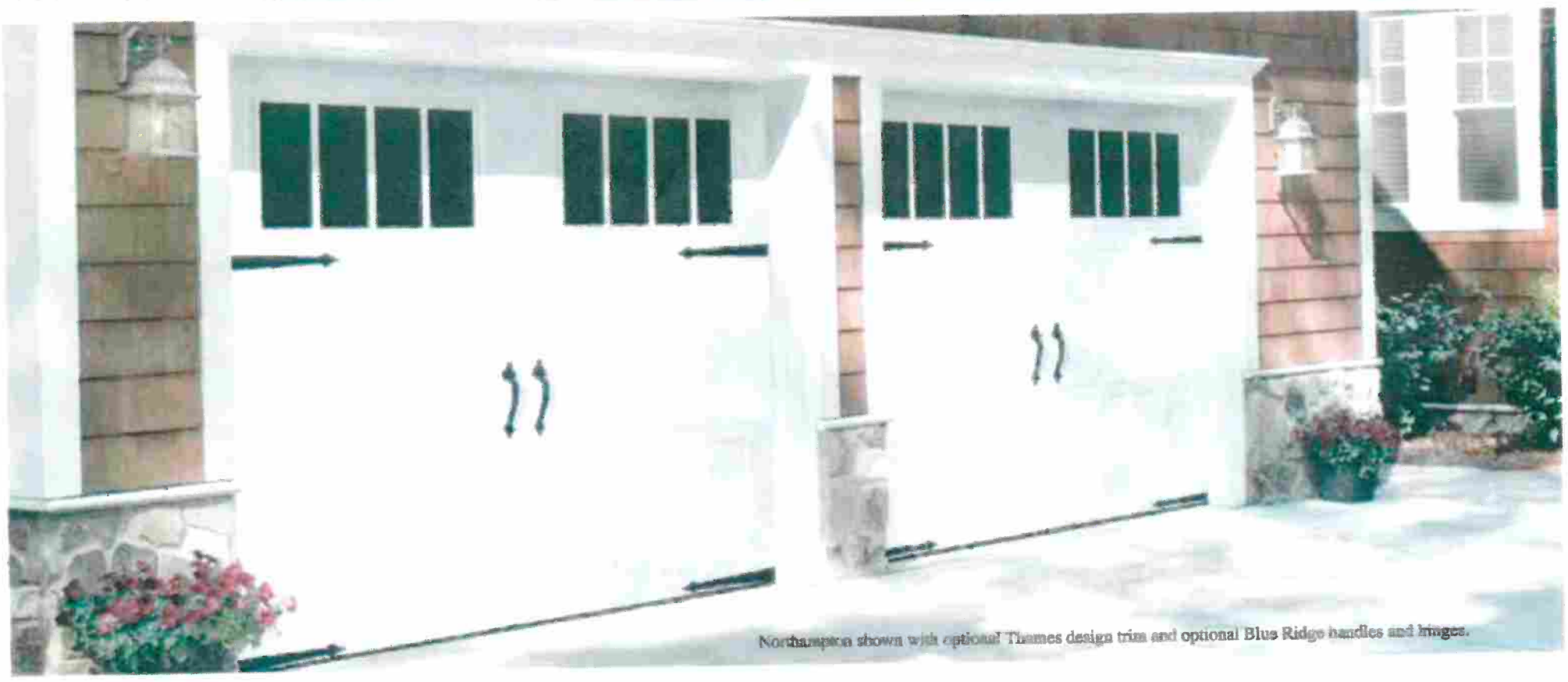
*Grilles may not be available for all door collections. Please check with your dealer or distributor for availability.

Privacy Scale Rating *

1 — 10
less — more

*Note: Glass privacy ratings are determined by the ½ lite size glass. As a result, the amount of privacy/glass transparency may be more or less than indicated by the privacy rating, based on glass design and the size of the glass that's inserted into the door, sidelite or transom. Glass design may differ from depiction due to size of glass. Please consult your Therma-Tru dealer for more details.

Northampton shown with Classic Arch top and optional Blue Ridge handles and hinges.



Northampton shown with optional Thames design trim and optional Blue Ridge handles and hinges.

Specification

	AMARR® CLASSICA® Series 2000	AMARR® CLASSICA® Series 3000
PANEL DESIGNS		
Carriage House	7 Designs	7 Designs
INSULATION[1]	Polystyrene	Polyurethane
R-VALUE[2]**/U-FACTOR**	6.64/0.15	13.35/0.07
DOOR THICKNESS	2" (5.1cm)	2" (5.1cm)
STEEL THICKNESS	24 ga	25/27 ga
WINDOW GLASS OPTIONS		
1/8" Tempered Double Strength	•	•
Optional Insulated Glass		•
Obscure	•	•
WIND LOAD AVAILABLE[3]	•	•
WARRANTY[4]		
Paint Finish	Lifetime	Lifetime
Hardware	5 Years	Lifetime

[1] Insulation has passed self-ignition, flamespread and smoke developed index fire testing.

[2] Calculated door section R-Value is in accordance with DASMA TDS-163

[3] It is your responsibility to make sure your garage door meets local building codes.

[4] For complete warranty details, visit deldenmfg.com or contact your local Delden dealer.

DELDEN GARAGE DOORS

"Experience the Quality"

KANSAS CITY, MO
www.DeldenMfg.com
©2016 2/2016

Your Local Delden Dealer:

Delden reserves the right to change specifications and designs without notice and without incurring obligations. Some graphics and details provided courtesy of Entrematic and used by permission.

WIND LOAD APPROVED

RECYCLED STEEL

AMARR® CLASSICA® COLLECTION

LUCERN

CLOSED ARCH (L1)

CLOSED ARCH (L1) | CLOSED SQUARE (L3)

DANUBE (L4) | MADEIRA (L5)

NILE (L6) | RHINE (L7)

SEINE (L8) | THAMES (L10)

AMERICANA (L57) | JARDIN (L75)

TRELLIS (L76)

VALENCIA

CLOSED ARCH (V1)

CLOSED ARCH (V1) | CLOSED SQUARE (V2)

DANUBE (V4) | MADEIRA (V5)

NILE (V6) | RHINE (V7)

SEINE (V8) | THAMES (V10)

AMERICANA (V57) | JARDIN (V75)

TRELLIS (V76)

SANTIAGO

CLOSED ARCH (S1)

CLOSED ARCH (S1) | CLOSED SQUARE (S2)

DANUBE (S4) | MADEIRA (S5)

NILE (S6) | RHINE (S7)

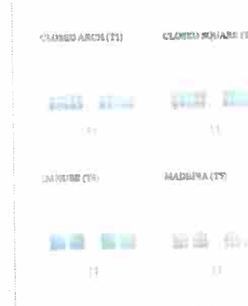
SEINE (S8) | THAMES (S10)

AMERICANA (S57) | JARDIN (S75)

TRELLIS (S76)

TUSCANY

CLOSED ARCH (T1)



CLOSED ARCH (T1) | CLOSED SQUARE (T2)

DANUBE (T4) | MADEIRA (T5)

NILE (T6) | RHINE (T7)

SEINE (T8) | THAMES (T10)

AMERICANA (T57) | JARDIN (T75)

TRELLIS (T76)

NORTHAMPTON

CLOSED ARCH (N1)

CLOSED ARCH (N1) | CLOSED SQUARE (N2)

DANUBE (N4) | MADEIRA (N5)

NILE (N6) | RHINE (N7)

SEINE (N8) | THAMES (N10)

AMERICANA (N57) | JARDIN (N75)

TRELLIS (N76)

BORDEAUX

CLOSED ARCH (B1)

CLOSED ARCH (B1) | CLOSED SQUARE (B2)

DANUBE (B4) | MADEIRA (B5)

NILE (B6) | RHINE (B7)

SEINE (B8) | THAMES (B10)

AMERICANA (B57) | JARDIN (B75)

TRELLIS (B76)

CORTONA

CLOSED SQUARE (C2)

CLOSED ARCH (C1) | CLOSED SQUARE (C2)

DANUBE (C4) | MADEIRA (C5)

NILE (C6) | RHINE (C7)

SEINE (C8) | THAMES (C10)

AMERICANA (C57) | JARDIN (C75)

TRELLIS (C76)

TOP SECTION OPTIONS

CLOSED ARCH | CLOSED SQUARE

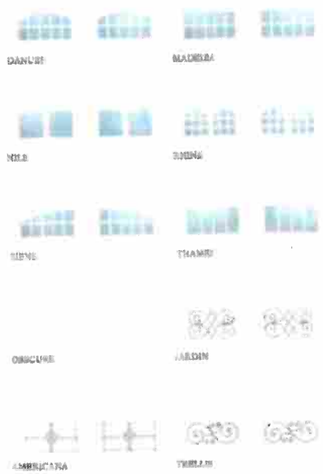
CLOSED DOUBLE ARCH

CLOSED ARCH + NORTHAMPTON | CLOSED SQUARE + NORTHAMPTON

CLOSED ARCH BORDEAUX | CLOSED SQUARE + BORDEAUX

CLOSED SQUARE + CORTONA

WINDOWS



DANUBE | MADEIRA

NILE | RHINE

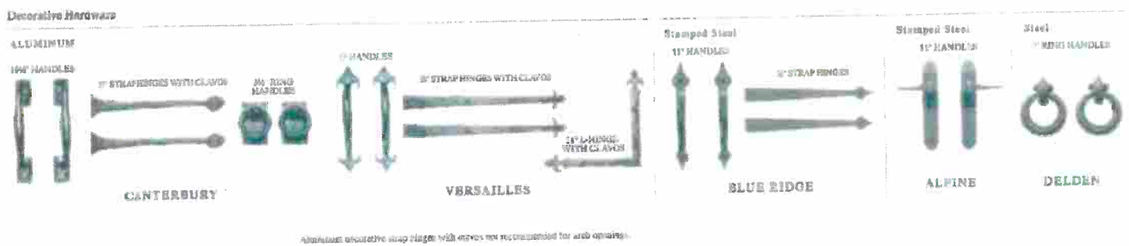
SEINE | THAMES

OBSCURE | JARDIN

AMERICANA | TRELLIS

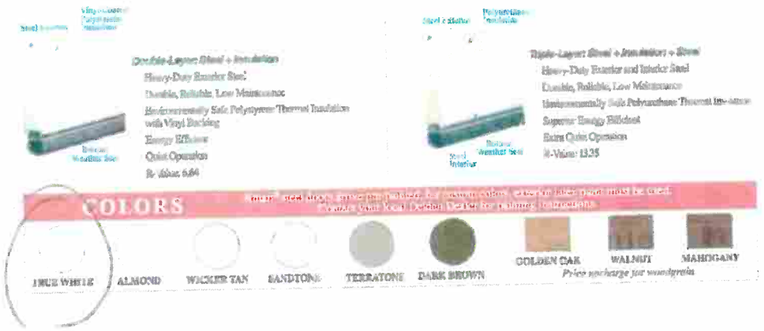
Not all window designs are stock items. Contact your local Delden dealer for details.

Decorative Hardware



Aluminum decorative strap hinges with clavos not recommended for arch openings.

Construction



DELDEN GARAGE DOORS

"Experience the Quality"

KANSAS CITY, MO

www.DeldenMfg.com