



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: _____

Permit No.: _____

Building Address: 3349 Hopstey Mill Rd.
 City: Woodbine State: MD Zip Code: 21797
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: _____
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

Property Owner's Name: Ned + Susie TREAT
 Address: 3349 Hopstey Mill Rd.
 City: Woodbine State: MD Zip Code: 21797
 Phone: 410-489-5621 Fax: _____
 Email: _____

Applicant's Name & Mailing Address (If other than stated herein)
 Applicant's Name: Mike Fralyn
 Address: 2902 Back River Cir.
 City: Mt. Airy State: MD Zip Code: 21771
 Phone: 301-829-1313 Fax: _____
 Email: Mike@MarylandSunrooms.com

Existing Use: SFD
 Proposed Use: SFD WITH ADDED 15'-6" x 10'-7" Sunroom
 Estimated Construction Cost: \$ 43,333 Sunroom
 Description of Work: Construct A 15'-6" x 10'-7" Sunroom to Replace Existing Sunroom on Existing Foundation
 Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Contractor Company: Sunquest Inc.
 Contact Person: Sam
 Address: Sam
 City: _____ State: _____ Zip Code: _____
 License No.: 48177
 Phone: _____ Fax: _____
 Email: Sam

Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories:	<u>Depth</u> <u>Width</u>
Gross area, sq. ft./floor:	1 st floor:
Area of construction (sq. ft.):	2 nd floor:
Use group:	Basement:
<u>Construction type:</u>	<input type="checkbox"/> Finished Basement
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Unfinished Basement
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Crawl Space
<input type="checkbox"/> Masonry	<input type="checkbox"/> Slab on Grade
<input type="checkbox"/> Wood Frame	No. of Bedrooms:
<input type="checkbox"/> State Certified Modular	<u>Multi-family Dwelling</u>
	No. of efficiency units:
	No. of 1 BR units:
	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities	
<u>Water Supply</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<u>Sewage Disposal</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<u>Heating System</u> <u>N/A</u>	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<u>Sprinkler System:</u>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<u>Grading Permit Number:</u>	
<u>Building Shell Permit Number:</u>	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Michael Fralyn Print Name: Michael Fralyn
 Email Address: Mike@MarylandSunrooms.com Date: 1/29/15
 Title/Company: Sunquest Inc.

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>2/5/15</u>	<u>H. Oswald</u>

Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	#

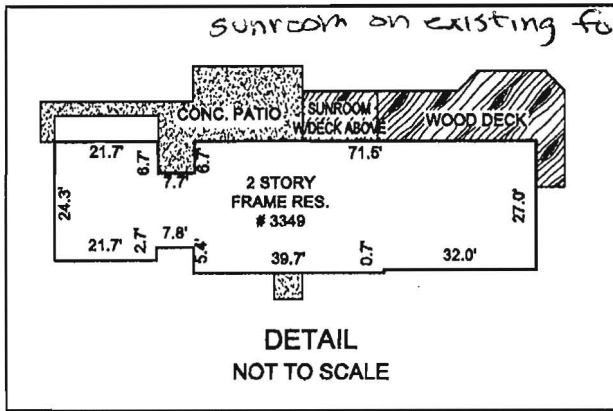
1103.1921
LOCATION DRAWING
LIBER 676, FOLIO 21
HOWARD COUNTY, MARYLAND
03-30-2011 SCALE 1"=120'



APPROVED WALK-THRU BUILDING PERMIT

BP# _____ A# _____
APP. SAN. H. Oswald DATE: 2/15/15
DESC. OF WORK: Construct 15' x 10' 7"

Sunroom to replace existing
sunroom on existing foundation



DETAIL
NOT TO SCALE



John E. Krobath



GRAPHIC SCALE (In Feet)
1 inch = 120' ft.

S 59°10' W 286.60' (P)

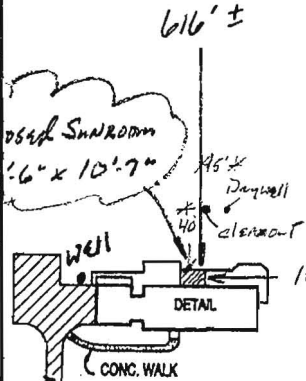
LIBER 676
FOLIO 21

S 36°54' E 784.91' (P)

N 36°54' W 754.61' (P)



Proposed Sunroom
15'-6" x 10'-7"



N 53°06' E 285.00' (P)

HIPSLEY MILL ROAD
(30' RW)

POINTS OF INTEREST:
None Visible

CLIENT NUMBER: 11-1848

DATE: 3/30/2011

BUYER: NED L. TREAT AND MARY S. TREAT

SELLER: JOHN H. CRABB AND LOUISE G. CRABB

CERTIFIED TO:
NED L. TREAT AND MARY S. TREAT; EAGLE TITLE; FIRST HOME MORTGAGE



Bob Lucido
REALTOR®

410.979.6024

BobLucidoTeam@aol.com



A licensee either personally prepared this drawing or was in responsible charge over its preparation and the surveying work reflected in it, all in compliance with...

EXACTA

EXACTA MARYLAND SURVEYORS, INC
10480 LITTLE PATUXENT PARKWAY, SUITE 40
COLUMBIA, MD 21044

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SOLID ROOF CATHEDRAL DESIGN PATIO ENCLOSURE (UNCONDITIONED)

GENERAL NOTES

A. WOOD:

- ALL LUMBER ON OR BELOW GRADE, WITHIN 18" OF FINISHED GRADE SHALL, OR DIRECTLY BEARING ON CONCRETE OR MASONRY SHALL BE ACQ PRESSURE TREATED SOUTHERN YELLOW PINE #2 GRADE
- ALL LUMBER ABOVE GRADE (NON-DECKING) SHALL BE SOUTHERN YELLOW PINE #2 GRADE
- ALL FRAMING LUMBER SHALL BE HEM-FIR #2 GRADE OR EQUIVALENT
- WOOD STRUCTURAL PANELS SHALL BE 1/2" MIN. THICKNESS, EXPOSURE 1 STRUCTURAL SHEATHING
- IN ALL INSTANCES WHERE ALUMINUM COMES INTO CONTACT WITH PRESSURE TREATED WOOD, PROVIDE DIELECTRIC SEPARATION

WARNING: DRILLING, SAWING, SANDING OR MACHINING WOOD PRODUCTS GENERATES WOOD DUST, A SUBSTANCE KNOWN TO CAUSE CANCER. AVOID INHALING WOOD DUST, OR USE A DUST MASK OR OTHER SAFEGUARDS FOR PERSONAL PROTECTION.

DECKING:

- ALL EXTERIOR DECKING SHALL BE ACQ PRESSURE TREATED SOUTHERN YELLOW PINE #2 GRADE
- ALL INTERIOR DECKING SHALL BE ACQ PRESSURE TREATED SOUTHERN YELLOW PINE #2 GRADE OR HEM-FIR #2 GRADE OR EQUIVALENT
- FLOOR LOAD: 10 PSF DEAD LOAD, 40 PSF LIVE LOAD
- DEFLECTION: L/360
- FLOOR SHEATHING SHALL CONSIST OF A MINIMUM OF 1 LAYER OF 3/4" CDX EXTERIOR PLYWOOD
- FASTEN PLYWOOD TO FRAMING WITH 8d GALVANIZED NAILS AT 6" O.C. ALONG PANEL EDGE AND 12" ON INTERMEDIATE FRAMING
- SOIL BEARING PRESSURE SHALL BE A MINIMUM OF 1500 PSF

B. CONCRETE:

- ALL CONCRETE GRADE BEAMS AND FOOTING SHALL BE 3000 PSI MIN, 12"x24" DIMENSIONS
- ALL CONCRETE FILLED SUPPORTED SLABS SHALL BE 3000 PSI MIN., 4" MIN. THICKNESS
- FIBERMESH (3/4" PER CUBIC YARD MIN.) MEETING APPROPRIATE ACI AND ASTM REQUIREMENTS MAY BE USED IN LIEU OF WELDED WIRE MESH
- ALL SLABS ON GRADE SHALL BE 4" THICK WITH FIBERMESH ON 6 MIL POLYETHYLENE VAPOR BARRIER
- ALL REINFORCING SHALL BE GRADE 50 (50 KSI MIN.) DEFORMED BARS, #3 BARS MAY BE GRADE 40
- ALL OVERPOUR CONCRETE FILLED SUPPORTED SLABS SHALL BE 3000 PSI MIN., 2" MIN. THICKNESS
- SOIL BEARING PRESSURE SHALL BE A MINIMUM OF 1500 PSF

C. ALUMINUM

- ALL STRUCTURAL ALUMINUM CONFORMS TO THE MINIMUM REQUIREMENTS OF 6005-T5 FOR ALLOY AND TEMPER EXCEPT AS NOTED BELOW:
GREAT ROOM 12 RIDGE BEAM.....6063-T6
CORNER COLUMN.....6063-T6
H-COLUMN.....6105-T5
- ALL STRUCTURAL ALUMINUM WORK CONFORMS TO "PART I-A - SPECIFICATIONS FOR ALUMINUM STRUCTURES - ALLOWABLE STRESS DESIGN" OR "PART I-B - SPECIFICATIONS FOR ALUMINUM STRUCTURES - BUILDING LOAD AND RESISTANCE FACTOR DESIGN" OF THE ALUMINUM ASSOCIATION, INC. SEVENTH EDITION, EFFECTIVE JANUARY 2000
- IN ALL INSTANCES WHERE ALUMINUM COMES INTO CONTACT WITH STEEL, OR PRESSURE TREATED LUMBER PROVIDE DIELECTRIC SEPARATION
- ALL ALUMINUM MUST NOT HAVE DIRECT CONTACT WITH CONCRETE.
- ALL FLASHING SHALL BE CORROSIVE RESISTANT IN ALL AREAS

D. GLASS

- GLASS UNITS CONSISTS OF TWO PANES OF 1/8" THICK TEMPERED GLASS WITH A 5/8" STAINLESS STEEL SPACER BETWEEN PANES WITH AN ARGON FILL
- GLASS CONFORMS TO ASTM E1300.
- ALL CLEAR ARGON ROOF GLASS HAS THE FOLLOWING MINIMUM PROPERTIES: *
ASHRAE WINTER U VALUE = .25
ASHRAE WINTER R VALUE = 4.0
*AS PER FOUR SEASONS SUNROOMS GLASS SPECIFICATIONS

ROOF AND SOLID WALL PANELS

- ALUMINUM PANEL SKIN IS ALLOY 3105-H14/HE25 AND IS 0.024" THICK MIN.
- PANEL CORE FOAM IS PREFORMED EXPANDED POLYSTYRENE BOARD (EPS), WITH A NOMINAL DENSITY OF 1.5 POUNDS PER CUBIC FOOT UNLESS OTHERWISE NOTED
- PANEL COMPONENTS ARE BONDED TOGETHER BY MORAD M-640 SERIES
- THE 4" THICK, 0.024" ALUMINUM SKIN, 1.5PCF FOAM DENSITY PANELS MEET THE CONDITIONS OF ACCEPTANCE COMPLYING WITH UL1715.
- PANELS HAVE THE FOLLOWING MINIMUM PROPERTIES:
3" (1.0 PCF FOAM DENSITY) 3" (1.5 PCF FOAM DENSITY)
U-VALUE = 0.07 U-VALUE = 0.07
R-VALUE = 13.4 R-VALUE = 14.5
7" (1.5 PCF FOAM DENSITY) 4" (1.0 PCF FOAM DENSITY)- OSB TOP
U-VALUE = 0.03 U-VALUE = 0.06
R-VALUE = 30.1 R-VALUE = 16.7

E. SEALANT

- ALL SEALANT CONFORMS TO TT-S-001543-A, TT-S-002306, ASTM C-920 TYPE S, GRADE NS, CLASS 25.

F. GASKETS

- ALL GASKETS ARE CO-EXTRUDED AND ARE NON-MIGRATORY.

CLIMATIC AND GEPGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND SPEED (MPH)	SEISMIC DESIGN CATAGORY	SUBJECT TO DAMAGE FROM				WINTER DEISGN TEMP.	ICE SHIELD UNDERLAYMENT REQUIRED	FLOOD HAZARD	AIR FREEZING INDEX	MEAN ANNUAL TEMP.
			WEATHERING	FROST LINE DEPTH	TERMITES	DECAY					
30 PSF	115 B	B	SFVFRF.	30"	MOD. TO HEAVY	SLIGHT TO MOD.	13	YFS	YFS	300	55

G. FASTENERS

- ALL LAG BOLTS SHALL CONFORM TO STAINLESS STEEL TYPE 300 18-8, WITH STANDARD FLAT WASHER UNLESS MANUFACTURER GALVANIZED BOLTS SPECIFIES FOR USE WITH ACQ PRESSURE TREATED WOOD
- HEX BOLTS HAS BE ASTM A325, PLATED WITH STANDARD FLAT WASHERS AND NUTS
- ALL CONCRETE SCREWS SHALL BE 1/4" X 2 1/2 MIN., SIMPSON, HILTI, RAWL, TAPCON, REDHEAD, DYNABOLT, OR APPROVED EQUAL
- ALL METAL TIES AND ASSOCIATED ACCESSORIES SHALL BE HOT DIPPED GALVANIZED
- ALL LAG BOLTS SHALL HAVE A MINIMUM EMBEDMENT OF 8x BOLT DIAMETER INTO STRUCTURAL FRAMING (G=.42 MIN.)
- LAG BOLTS AND SCREWS INTO WOOD FRAMING SHALL BE PROVIDED WITH PILOT HOLES HAVING A DIAMETER NOT GREATER THAN 70 PERCENT OF THE THREAD DIAMETER OF THE BOLT OR SCREW. ALL LAG BOLTS AND SCREWS SHALL BE INSERTED IN PILOT HOLES BY TURNING AND UNDER NO CIRCUMSTANCES BY DRIVING WITH A HAMMER.
- ALL EXPANSION ANCHORS SHALL BE DESIGNED IN ACCORDANCE WITH THE SPECIFIC MANUFACTURER'S REQUIREMENTS AND ALLOWABLE LOADS AND SHALL ONLY BE APPLIED IN CONDITIONS ACCEPTABLE TO MANUFACTURER
- ALL FASTENERS CONNECTING ALUMMUM COMPONENTS OR PRESSURE TREATED LUMBER ARE STAINLESS STEEL TYPE 300 18-8 UNLESS MANUFACTURER GALVANIZED BOLTS SPECIFIES FOR USE WITH ACQ PRESSURE TREATED WOOD, OR OTHERWISE NOTED
- ALL FASTENERS SHAL COMPLY WITH ASTM A153
- ALL CONNECTORS SHALL COMPLY WITH ASTM A653 CLASS C-185

H. SITE PREPARATION

- ALL FOUNDATION SYSTEMS MUST BE IN PLACED ON CLEAN, COMPACTED, TERMITE-TREATED FILL/SOIL WITH VAPOR BARRIER
- IF EXISTING FOUNDATION IS TO REMAIN, FOOTING AND SLAB MUST BE VERIFIED AS ADEQUATE PER ENGINEERING DOCUMENTATION
- IF EXISTING FOUNDATION HAS ADEQUATE FOOTING AND SLAB, DRILL (12" O.C.) AND TRENCH WITHOUT UNDERCUTTING FOOTING TO PROVIDE TERMITE-TREATMENT AS REQUIRED. EPOXY PATCH ALL OPENINGS.

I. REFERENCE STANDARDS:

ASTM E 119
ASTM E 1300
ASCE 7

J. DESIGN LOADS

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2012, INTERNATIONAL RESIDENTIAL CODE, 2012

- DEAD LOAD (ADDITION ROOF): 10 PSF
- DEAD LOAD (ADDITION WALL): 5 PSF
- DEAD LOAD (DECK): 10 PSF

- FLOOR LOAD: 40 PSF

- BASIC WIND SPEED: 115 MPH
- IMPORTANCE FACTOR: 1.0
- WIND EXPOSURE CATEGORY: B
- VELOCITY PRESSURE EXPOSURE COEFFICIENT: 0.7
- INTERNAL PRESSURE COEFFICIENT: +/-0.18 ENCLOSED DESIGN
- GUST EFFECT FACTOR: 0.85
- DIRECTIONALITY FACTOR: 0.85
- DESIGN WIND PRESSURE:
WALL: 17.32 PSF
ROOF (UPLIFT): 19.05 PSF

- GROUND SNOW LOAD: 30 PSF MIN.
- EXPOSURE FACTOR: 1.0
- THERMAL FACTOR: 1.2
- IMPORTANCE FACTOR: 1.0
- SLOPE FACTOR: 1.0 (WORST CASE)
- STANDARD REDUCTION: 0.7
- DESIGN ROOF LOAD: 25 PSF MIN.

- DRIFT LOAD: 36 PSF OVER 6'-0" PROJECTION

K. ABBREVIATIONS

THE FOLLOWING LIST OF ABBREVIATIONS IS NOT INTENDED TO REPRESENT ALL THOSE USED ON THESE DRAWINGS, BUT TO SUPPLEMENT THE MORE COMMON ABBREVIATIONS USED:

- TYP. - TYPICAL
- SIM. - SIMILAR
- UN - UNLESS OTHERWISE NOTED
- CONT. - CONTINUOUS
- V.I.F. - VERIFY IN FIELD

L. RESPONSIBILITY

- ALL SITE WORK SHALL BE PERFORMED BY A LISCENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LOCAL ORDINANCES, ETC.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS, NOTIFYING ENGINEER OF ANY DISCREPANCIES BETWEEN DRAWINGS, FABRICATED ITEMS, OR ACTUAL FIELD CONDITIONS
- THESE DRAWINGS REPRESENT THE ACCEPTABILITY OF THE "SUNROOM" ROOM ADDITION ELEMENTS AS PROVIDED BY THE CONTRACTOR
- ALL DETAILS ON THESE DRAWINGS ARE ENGINEERED BASED ON INFORMATION PROVIDED BY THE CONTRACTOR
- ALL ELECTRICAL PLANS ARE SCHEMATIC ONLY. THESE PLANS REPRESENT THE DESIGN INTENT FOR ITEM LOCATIONS. ADDITIONAL INFORMATION, IF REQUIRED, SHALL BE PROVIDED BY A LICENSED ELECTRICAL SUBCONTRACTOR OR ENGINEER.
- REFER TO FOUR SEASONS SUNROOMS SHOP DRAWINGS FOR FURTHER DETAILS
- ANY DETAILS NOT SHOWN ARE TO BE ENGINEERED IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICES

M. MISCELLANEOUS

- ALUMINUM ADDITIONS ARE NOT TO BE INSTALLED ON A MANUFACTURED HOME, TRAILER HOME, OR PRE-FAB HOME. IF THE EXISTING STRUCTURE IS ONE OF THESE, A SEPARATE SUPPORT SYSTEM MUST BE ENGINEERED SO THAT NO ADDITIONAL LOADING IS PLACED ON THE STRUCTURE.

EMC2
STRUCTURAL
DESIGN, INC.

615 HOMESTEAD DR
LEBANON, PA 17042
OFFICE: 717-889-3522
WWW.EMC2SDI.COM

PROFESSIONAL ENGINEER:
ZEYN UZMAN
305 CHARLESTON GREENE
MALVERN PA 19355
217-652-6737

STATE OF MARYLAND
PROFESSIONAL ENGINEER

PATIO ENCLOSURE FOR:
TREAT RESIDENCE
ADDRESS: 3349 HIPSLEY MILL RD.
WOODBINE, MD. 21797

ORIGINAL DATE: 01-13-15
SCALE: SEE DETAILS
PAGE: 1 OF 8

REVISION: N/A
REV. DATE: N/A

DRAWN BY: L. DUFFY
CHECKED BY: Z. UZMAN

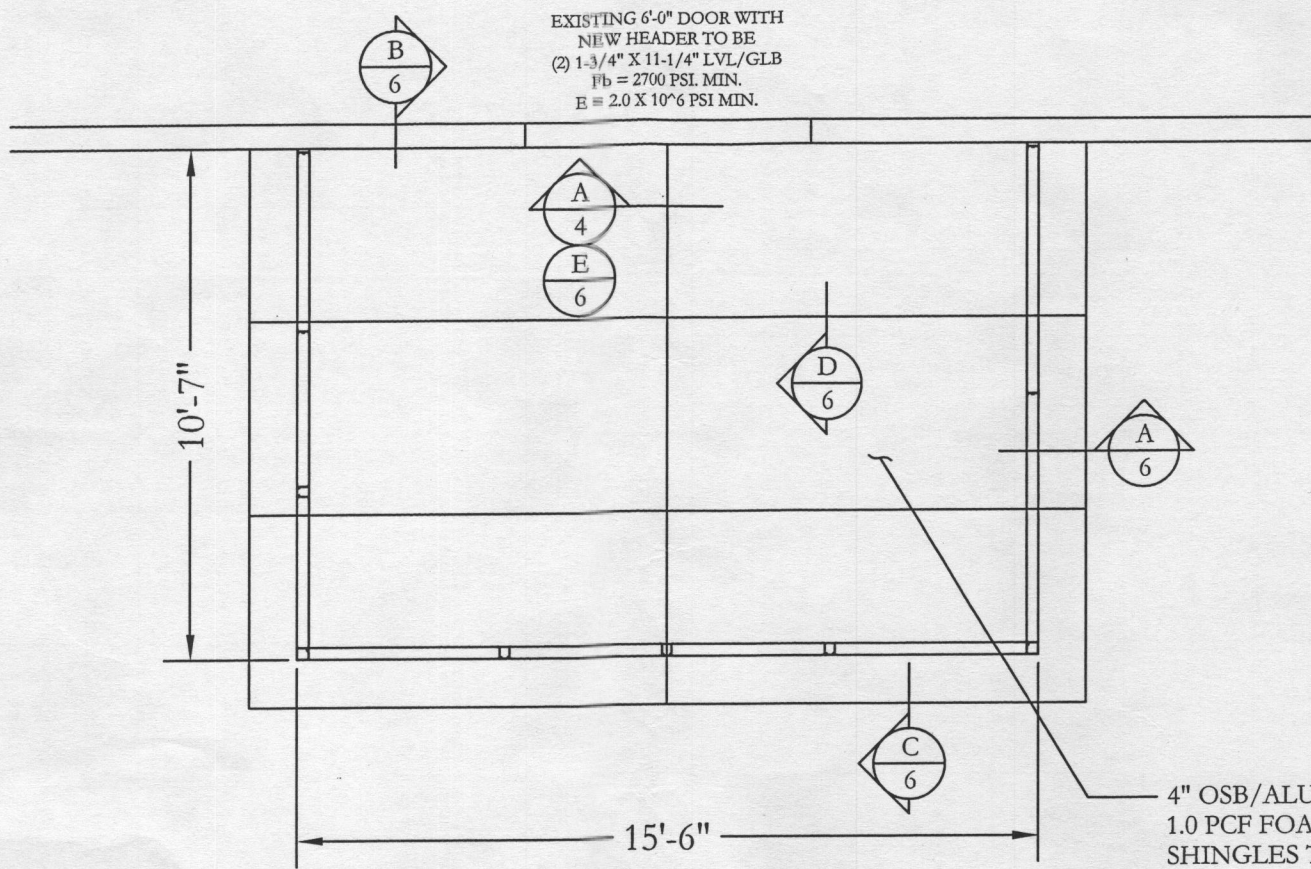
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 23294 EXPIRATION DATE: 1-2019

NOTES:

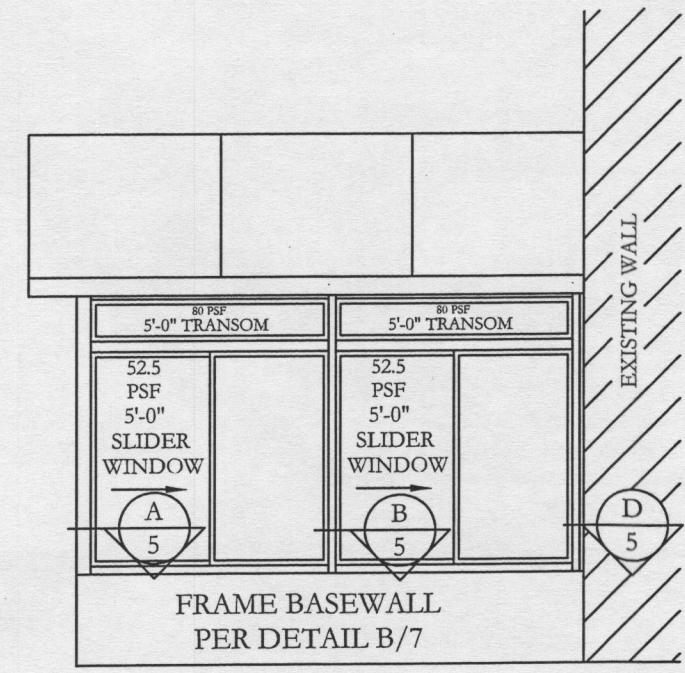
- 1.-ALL CONDITIONS/DIMENSIONS TO BE VERIFIED IN THE FIELD.
- 2.-ACTUAL FILL MAY DIFFER FROM AMOUNT SHOWN.
- 3.-ROOM IS TO BE UNCONDITIONED
- 4.-WINDOWS TO HAVE GRIDS - NOT SHOWN FOR CLARITY
- 5.-WINDOWS MAY BE REPLACED WITH ANY STYLE WINDOW OF SIMILAR SIZE

SCALE:
1" = 4'

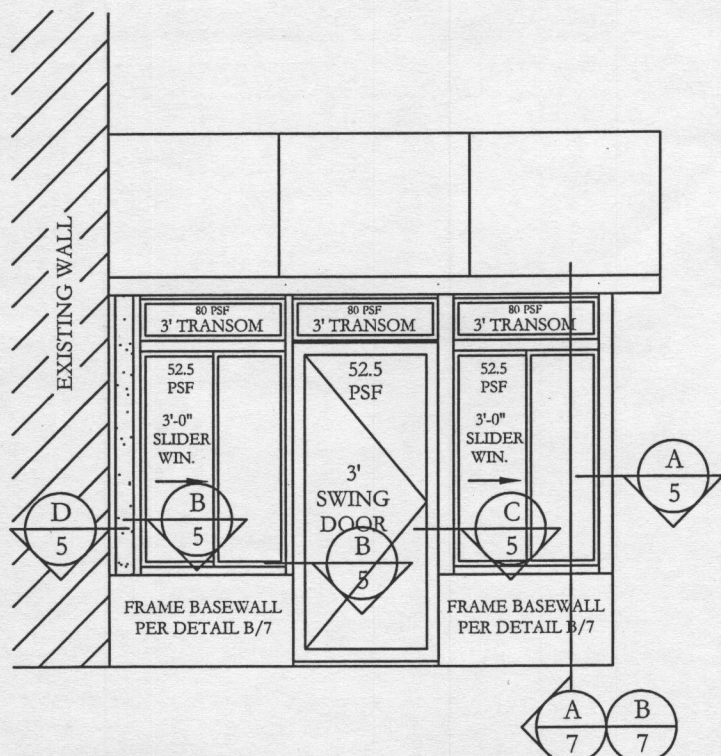
EXISTING KITCHEN



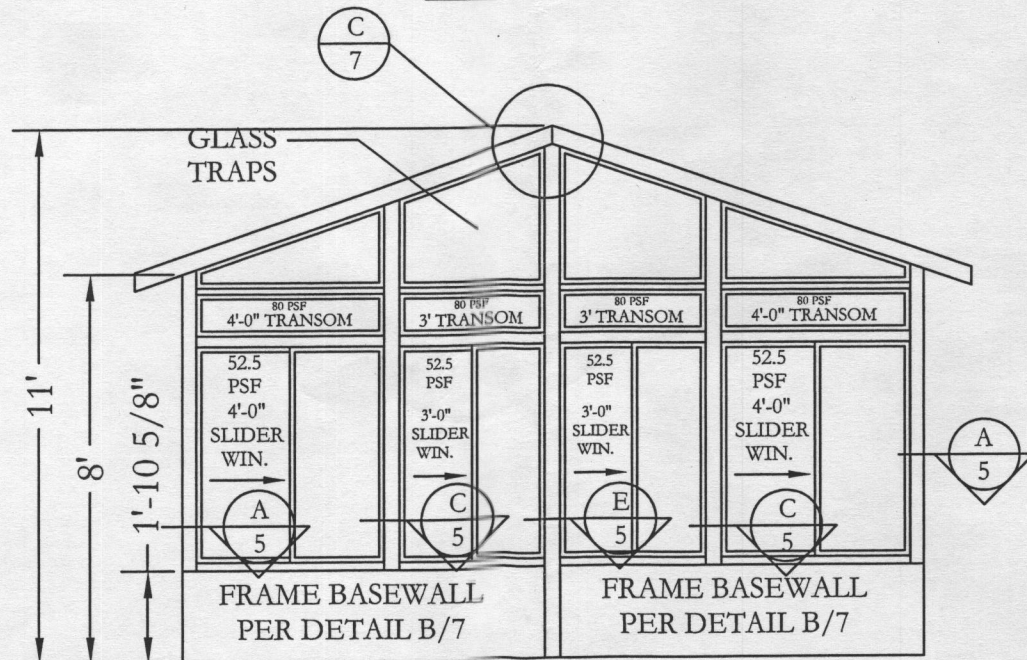
PLAN VIEW



RIGHT GABLE ELEVATION



LEFT GABLE ELEVATION



FRONT ELEVATION

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615 HOMESTEAD DR
LEBANON, PA. 17042
OFFICE: 717-880-3022
WWW.EMC2SDI.COM

PROFESSIONAL ENGINEER:
ZEYN UZMAN
305 CHARLESTON GREENE
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217.652.6737

**PATIO ENCLOSURE FOR:
TREAT RESIDENCE**
ADDRESS: 3349 HIPSLEY MILL RD.
WOODBINE, MD. 21797

ORIGINAL DATE: 01-13-15
REVISION: N/A
REV. DATE: N/A

SCALE: SEE DETAILS

PAGE: 3 OF 8

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LICENSE NO. 23299 AN EXPIRATION DATE - 1-2016

DRAWN BY: L. DUFFY
CHECKED BY: Z. UZMAN

EXISTING
KITCHEN

EXISTING 6'-0" DOOR WITH
NEW HEADER TO BE
(2) 1-3/4" X 11-1/4" LVL/GLB
Fb = 2700 PSI. MIN.
E = 2.0 X 10⁶ PSI MIN.

EXISTING DECK TO
REMAIN UNCHANGED

EXISTING SLAB
WITH FOUNDATION
TO REMAIN
UNCHANGED

10'-7"

15'-6"

ALL CONDITIONS/DIMENSIONS
TO BE VERIFIED IN THE FIELD

SCALE:
1" = 4'

FOUNDATION
LAYOUT

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315 HOMESTEAD DR
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OFFICE: 717-880-3622
WWW.EMC2SDI.COM

PROFESSIONAL ENGINEER:
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STATE OF MARYLAND
PROFESSIONAL ENGINEER
23294

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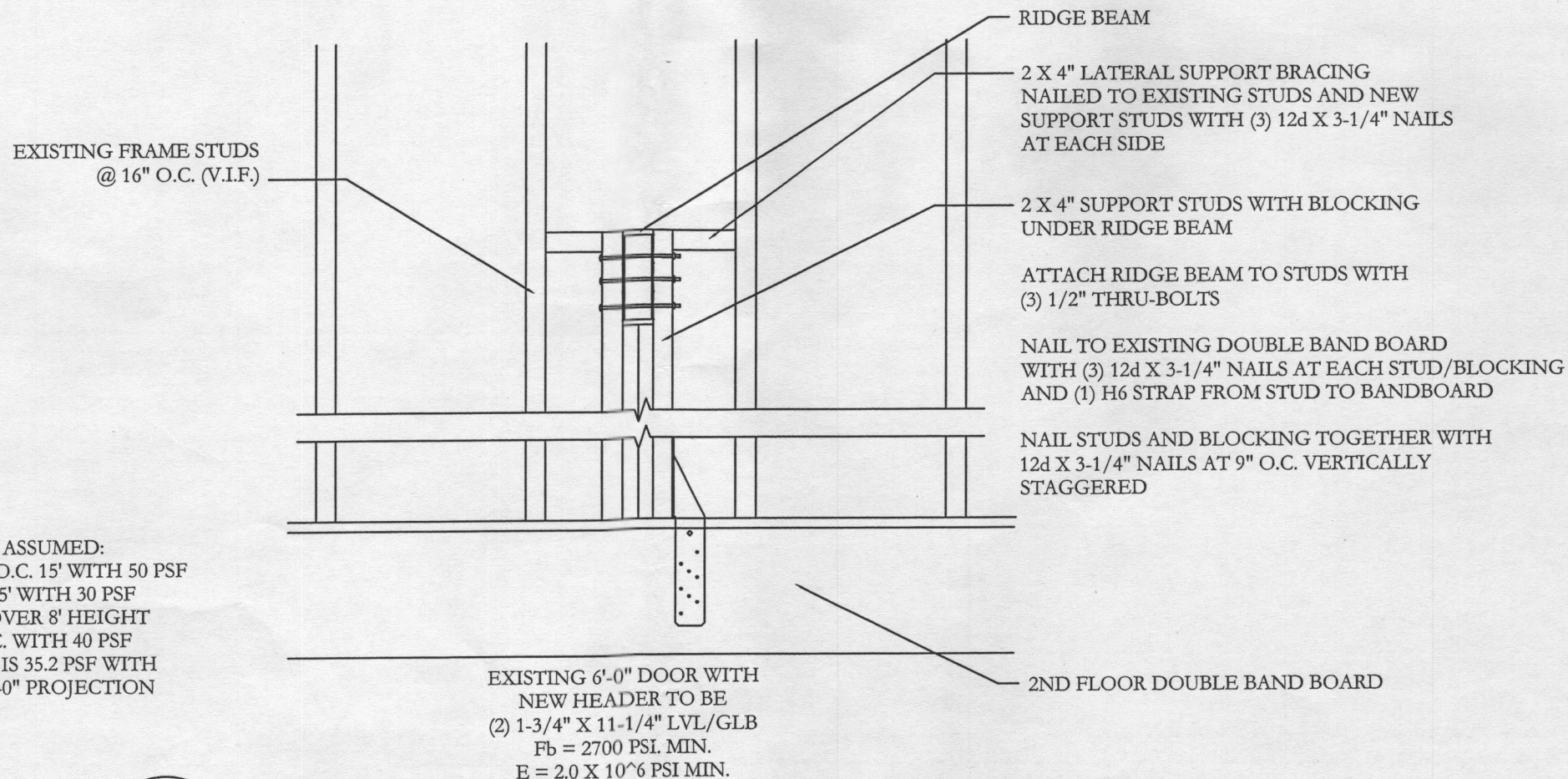
SCALE: SEE DETAILS

PAGE: 2 OF 8

DRAWN BY: L. DUFFY
CHECKED BY: Z. UZMAN

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME,
AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 23294 EXPIRATION DATE: 1-13-16

HEADER LOADING ASSUMED:
 EXISTING SECOND FLOOR O.C. 15' WITH 50 PSF
 ATTIC STORAGE O.C. 15' WITH 30 PSF
 WALL LOAD OF 10 PSF OVER 8' HEIGHT
 ROOF LOAD OF 16' O.C. WITH 40 PSF
 AND NEW ROOM RIDGE IS 35.2 PSF WITH
 DRIFT AT 36 PSF OVER 8'-0" PROJECTION



A
4

RIDGE CONNECTION AND WALL MODIFICATION
 NOT TO SCALE

EMC2 STRUCTURAL DESIGN INC.
 615 HOMESTEAD DR
 LEBANON, PA 17042
 OFFICE: 717-889-3022
 WWW.EMC2SDI.COM

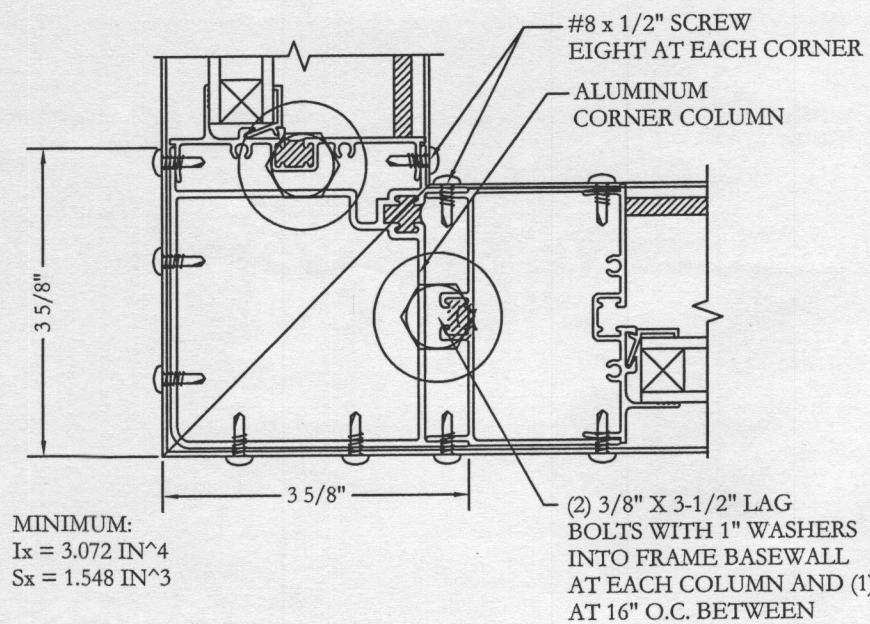
PROFESSIONAL ENGINEER:
 ZEYN UZMAN
 305 CHARLESTON GREENE
 MALVERN, PA. 19355
 217.652.6737

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 TREAT RESIDENCE**
 ADDRESS: 3349 HIPSLEY MILL RD.
 WOODBINE, MD. 21797

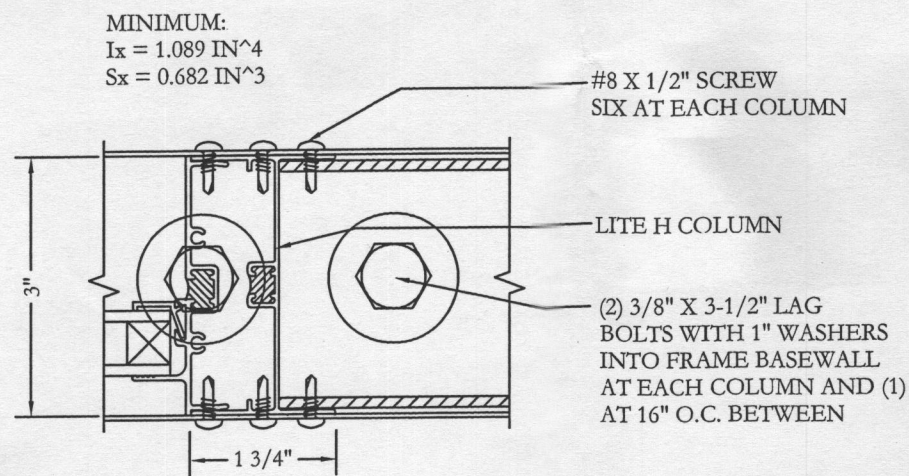
ORIGINAL DATE: 01-13-15
 SCALE: SEE DETAILS
 PAGE: 4 OF 8

REVISION: N/A
 REV. DATE: N/A
 DRAWN BY: L. DUFFY
 CHECKED BY: Z. UZMAN

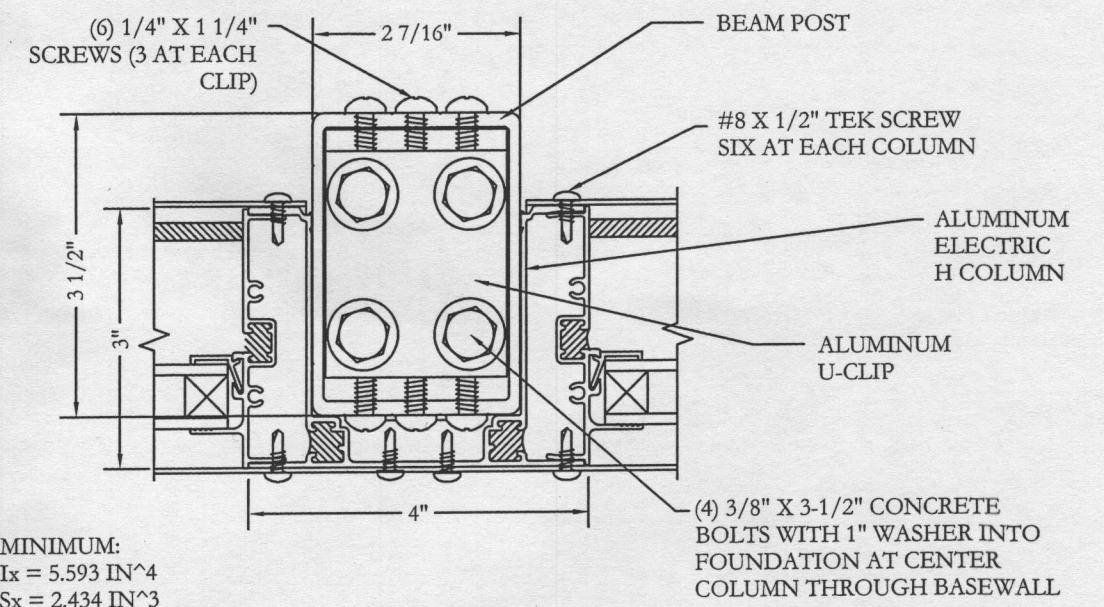
PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS
 WERE PREPARED OR APPROVED BY ME,
 AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE
 LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 23226 EXPIRATION DATE: - 1 2016



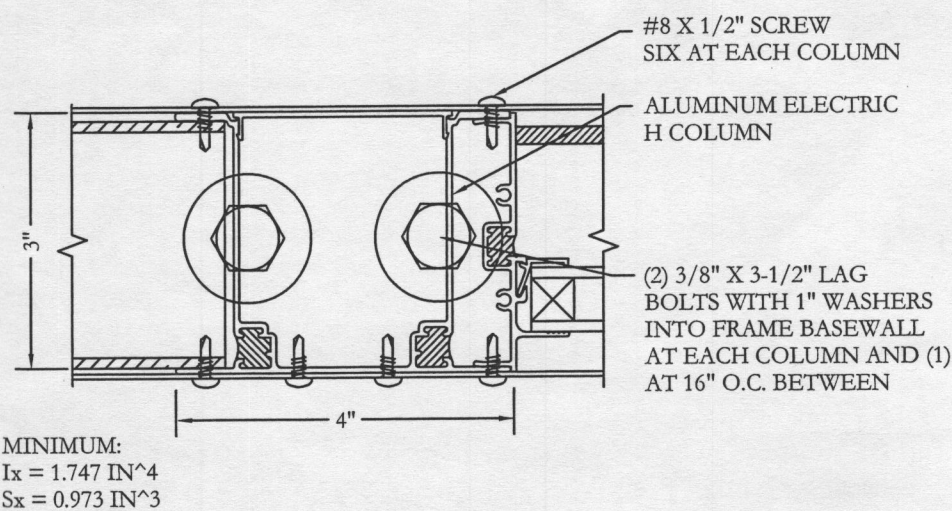
A
5
CORNER POST CONNECTION AT SILL
NOT TO SCALE



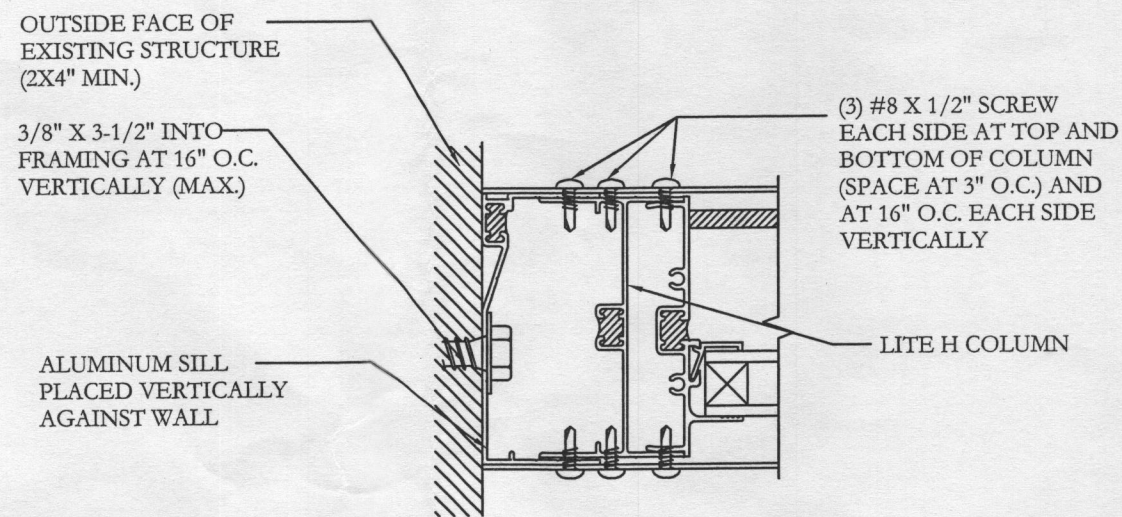
B
5
H COLUMN CONNECTION AT SILL
NOT TO SCALE



E
5
ELECTRIC/UTILITY H COLUMN WITH POST CONNECTION AT SILL
NOT TO SCALE



C
5
ELECTRIC/UTILITY H COLUMN CONNECTION AT SILL
NOT TO SCALE



D
5
GABLE ATTACHMENT TO EXISTING STRUCTURE
NOT TO SCALE

EMC2 STRUCTURAL DESIGN INC.
 615 HOMESTEAD DR
 LEBANON, PA 17042
 OFFICE: 717-880-3022
 WWW.EMC2SD.COM

PROFESSIONAL ENGINEER:
 ZEYN UZMAN
 305 CHARLESTON GREENE
 MALVERN, PA. 19355
 217.652.6737

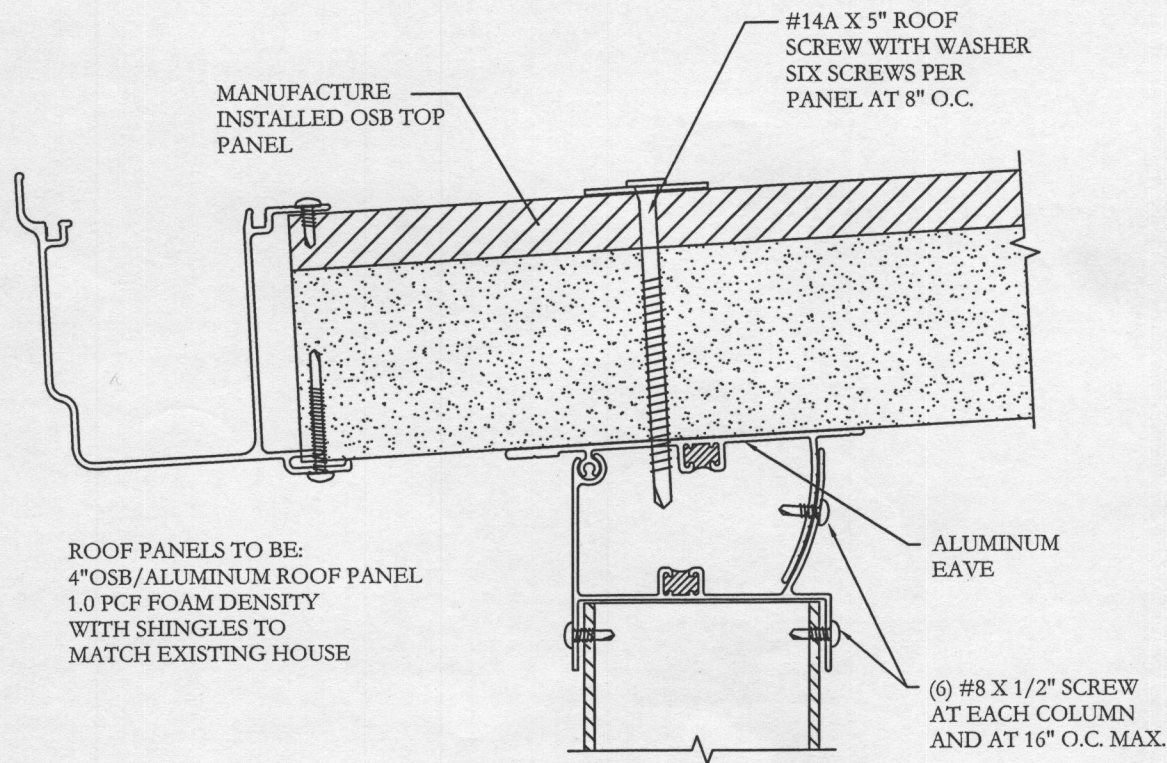
**PATIO ENCLOSURE FOR:
 TREAT RESIDENCE**
 ADDRESS: 3349 HIPSLEY MILL RD.
 WOODBINE, MD. 21797

ORIGINAL DATE: 01-13-15
 SCALE: SEE DETAILS
 REVISION: N/A
 REV. DATE: N/A

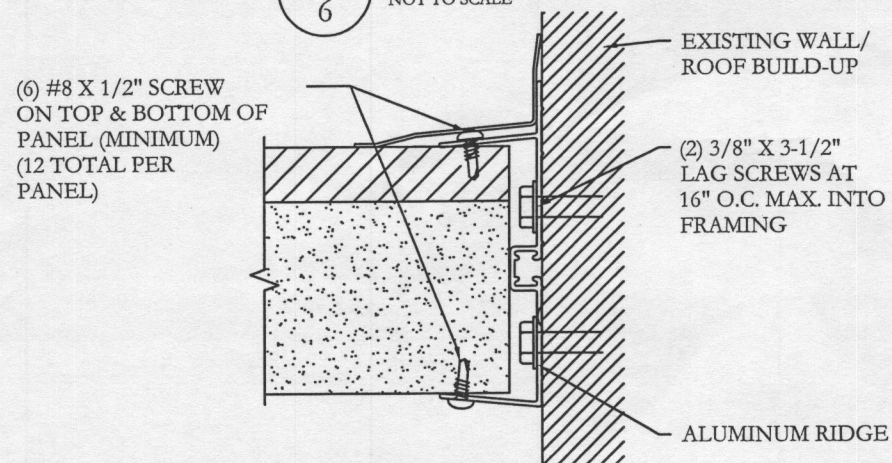
DRAWN BY: L. DUFFY
 CHECKED BY: Z. UZMAN

PAGE: 5 OF 8

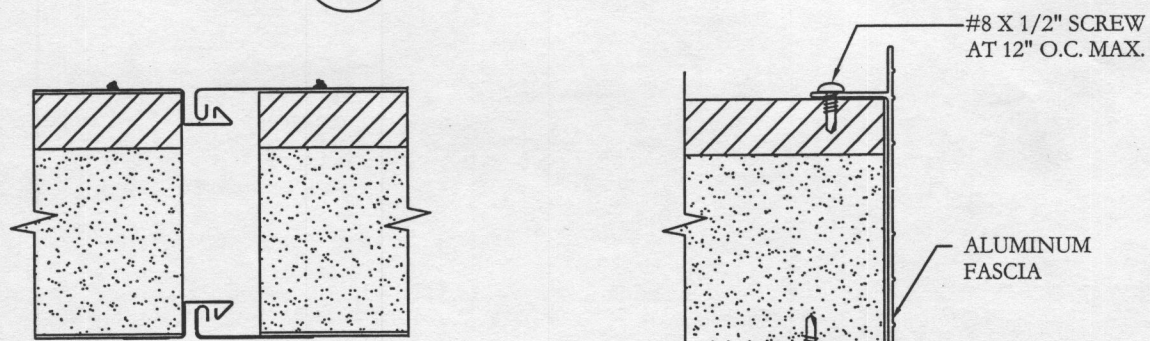
PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS
 WERE PREPARED OR APPROVED BY ME,
 AND THAT I AM A DULY LICENSED
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 LICENSE NO. 23294 EXPIRATION DATE: JUL 1 2016



A EAVE & ROOF CONNECTION
6 NOT TO SCALE

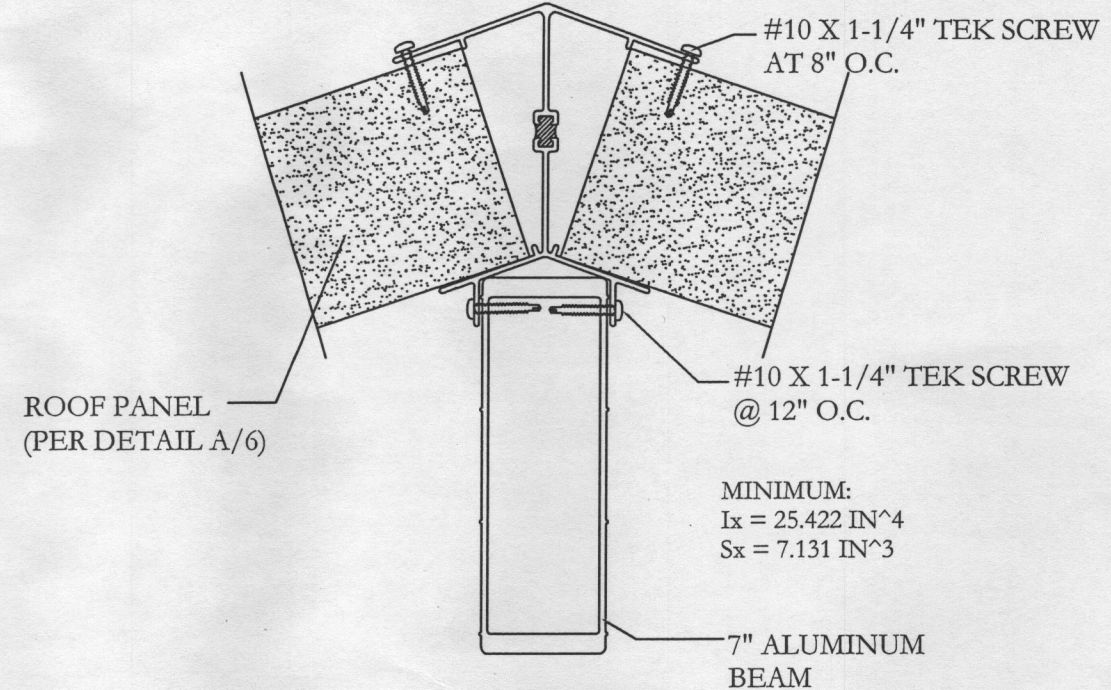


B RIDGE DETAIL
6 NOT TO SCALE



D ROOF PANEL TO ROOF PANEL
6 NOT TO SCALE

C EAVE FASCIA
6 NOT TO SCALE



E ROOF PANEL TO RIDGE BEAM
6 NOT TO SCALE

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LEBRON, PA. 17042
OFFICE: 717-880-3022
WWW.EMC2SDI.COM

PROFESSIONAL ENGINEER:
ZEYN UZMAN
305 CHARLESTON GREENE
MALVERN, PA. 19355
217-652-6797

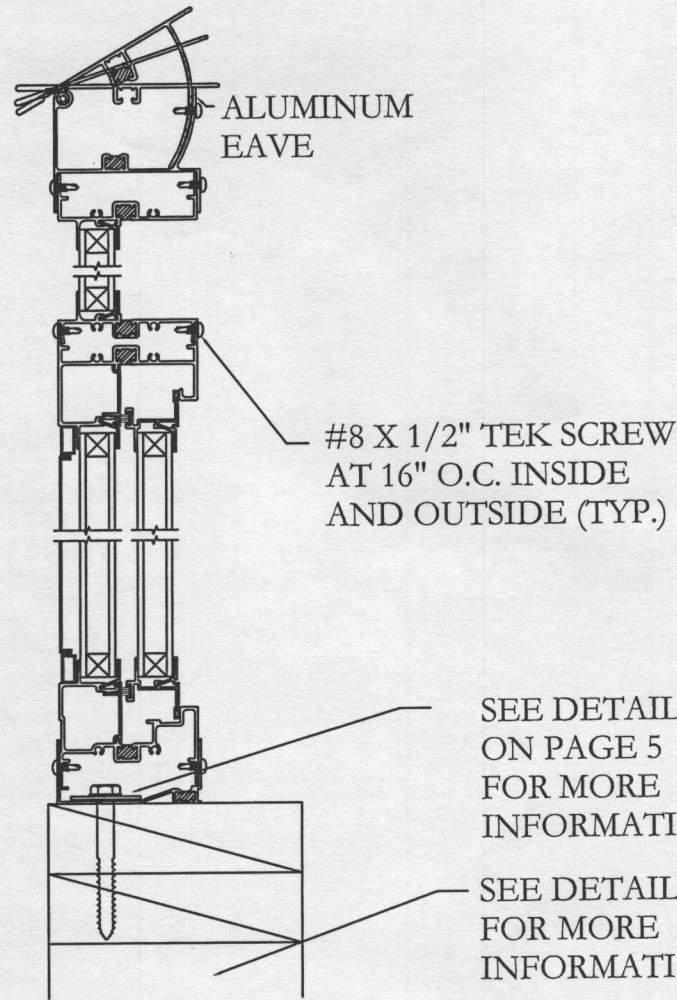
STATE OF MARYLAND
PROFESSIONAL ENGINEER
ZEYN UZMAN

PATIO ENCLOSURE FOR:
TREAT RESIDENCE
ADDRESS: 3349 HIPSLEY MILL RD.
WOODBINE, MD. 21797

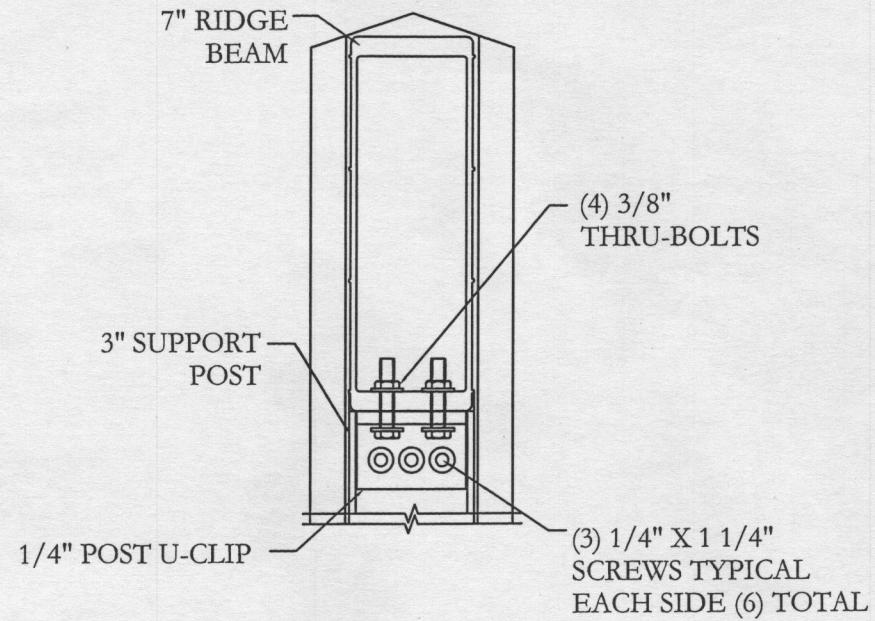
ORIGINAL DATE: 01-13-15
SCALE: SEE DETAILS
PAGE: 6 OF 8

REVISION: N/A
REV. DATE: N/A
DRAWN BY: L. DUFFY
CHECKED BY: Z. UZMAN

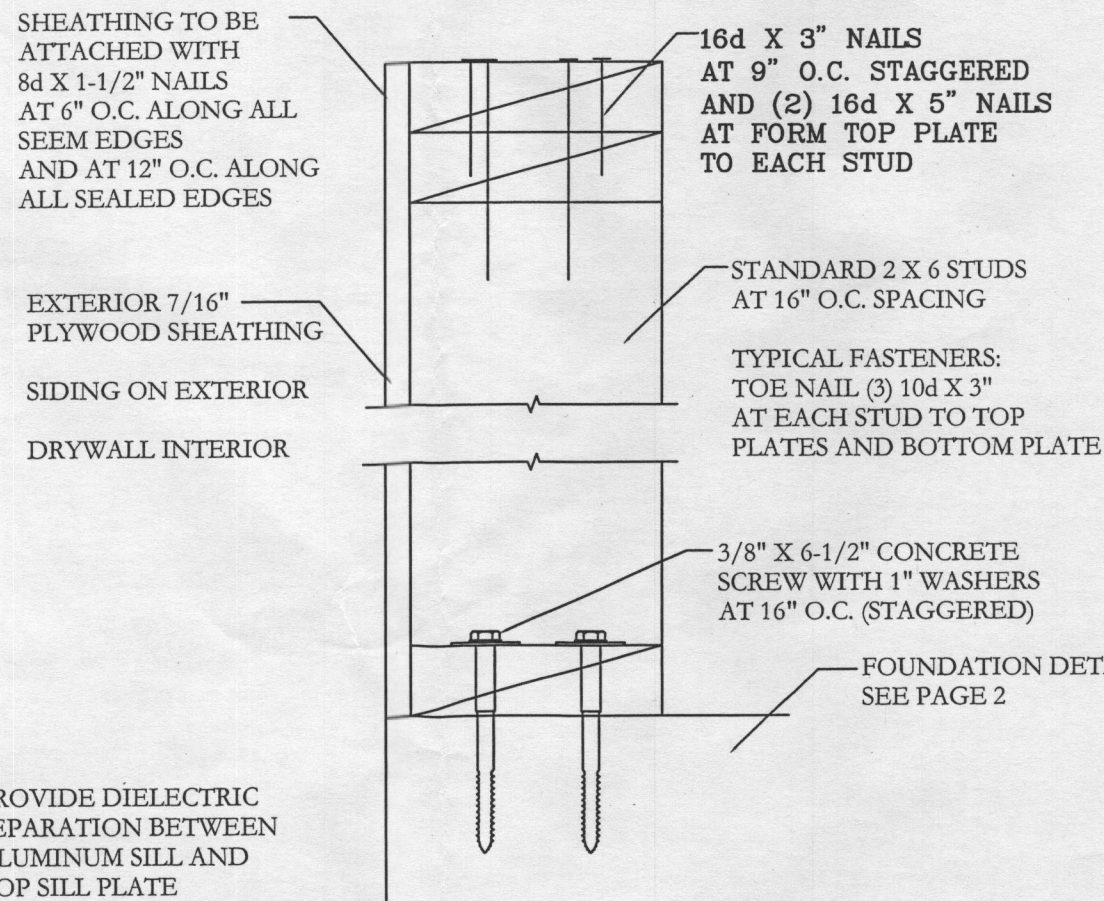
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LICENSE NO. 23294 EXPIRATION DATE: 1-1-2016



A WINDOW SECTION - GLASS TRANSOM
7



C POST TO 7" BEAM CONNECTION DETAIL
7 NOT TO SCALE



B BASEWALL
7 NTS

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MALVERN, PA. 19355
217.652.6737

STATE OF MARYLAND
PROFESSIONAL ENGINEER
ZEYN UZMAN
2394

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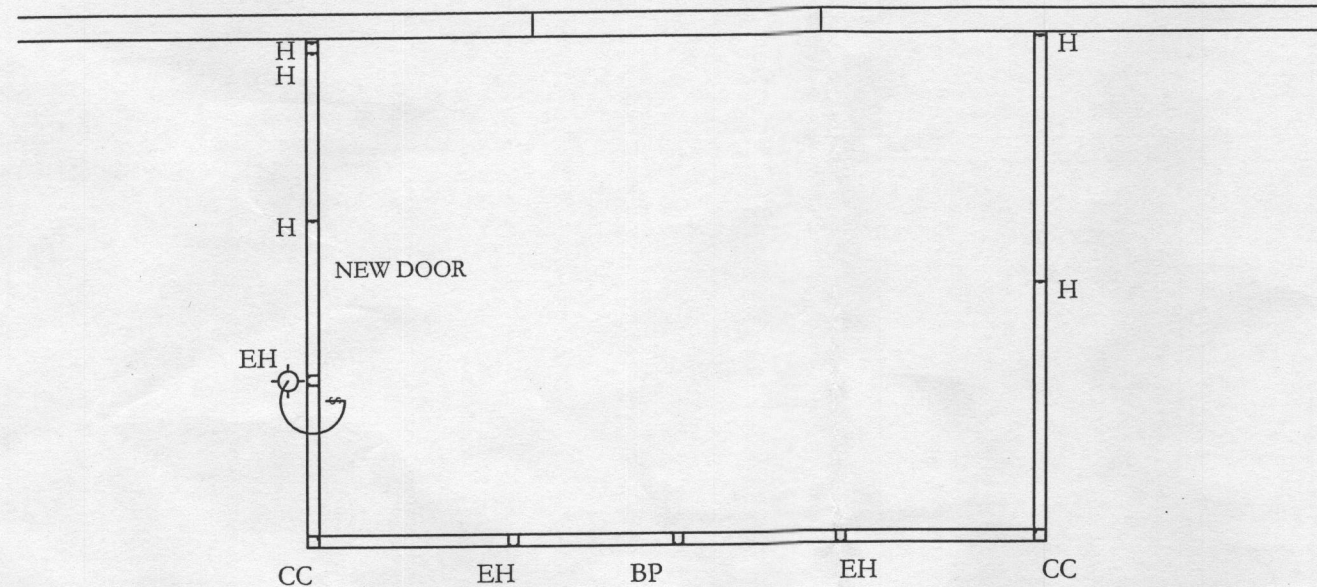
ORIGINAL DATE: 01-13-15
SCALE: SEE DETAILS
REVISION: N/A
REV. DATE: N/A
DRAWN BY: L. DUFFY
CHECKED BY: Z. UZMAN

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JAN 28 2015
LICENSE NO. 23294 EXPIRATION DATE: 12 31 2018

PAGE: 7 OF 8

EXISTING
KITCHEN

EXISTING 6'-0" DOOR WITH
NEW HEADER TO BE
(2) 1-3/4" X 11-1/4" LVL/GLB
Fb = 2700 PSI. MIN.
E = 2.0 X 10⁻⁶ PSI MIN.






NOTES:

1.-THIS ELECTRICAL LAYOUT
HAS BEEN DESIGNED IN
ACCORDANCE WITH, AND
MEETS THE REQUIREMENTS
OF THE 2008 NEC

2.-ALL CIRCUITS MUST BE GFCI.

ELECTRICAL LEGEND

-  110 VOLT OUTLET
-  LIGHT FIXTURE
-  SWITCH

MEMBER LEGEND

- H - STANDARD H COLUMN
- EH - ELECTRICAL H COLUMN
- BP - ELECTRICAL H COLUMN
WITH 3" POST
- CC - CORNER COLUMN

ALL CONDITIONS/DIMENSIONS
TO BE VERIFIED IN THE FIELD

SCALE:
1" = 4'

FLOOR PLAN
AND
ELECTRICAL PLAN

EMC2 STRUCTURAL DESIGN INC.
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