

NEW CONSTRUCTION

TWO FAMILY

1531 URSULINES AVENUE, NEW ORLEANS, LA, 70116.

GENERAL NOTES

- LEOPARD ENGINEERING ADHERES TO THE DESIGN CRITERIA OUTLINED IN THE 2012 INTERNATIONAL RESIDENTIAL CODE AS WELL AS ACT 12 AMENDMENTS CONCERNING R30 I.2.1.1 (DESIGN CRITERIA) FOR ONE AND TWO FAMILY DWELLINGS AS REQUIRED FOR AREAS WHERE BASIC WIND SPEEDS EQUAL OR EXCEED 141 MPH. AS FOR DESIGN CRITERIA IN R30 I.2.1.1, I WILL FOLLOW THE AMERICAN FOREST AND PAPER ASSOCIATION (AF+PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO-FAMILY DWELLINGS (WFCM). WITH ROOF PITCHES EXCEEDING 12/12 I WILL FOLLOW THE ASCE-7 CRITERIA DESIGNED BY ENGINEER (SEE DETAILS SHEET). NOT ALL SPECIFICATIONS ARE EXPRESSLY NOTED ON THE PLANS.;
 - R301.2.1.2 INTERNAL PRESSURE. WINDOWS IN BUILDINGS LOCATED IN WINDBORNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WINDBORNE DEBRIS OR THE BUILDING SHALL BE DESIGNED AS A PARTIALLY ENCLOSED BUILDING IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. GLAZED OPENING PROTECTION FOR WINDBORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF A5TM E 199G AND ASTM E 188G REFERENCE THEREIN.
 - EXCEPTION: WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF 7/16 IN. AND A MAXIMUM SPAN OF 8 FEET SHALL BE PERMITTED FOR OPENING PROTECTION IN ONE AND TWO-STORY BUILDINGS. PANELS SHALL BE PRECUT TO COVER THE GLAZED OPENINGS WITH ATTACHMENTS HARDWARE PROVIDED. ATTACHMENTS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE R301.2.1.2 OR SHALL BE DESIGNED TO RESIST THE COMPONENTS AND CLADDING LOADS DETERMINED IN ACCORDANCE WITH THE PROVISIONS OF THE IBC. (NOTE: WINDBORNE DEBRIS PROTECTION REQUIRED TO BE SHOWN ON PLANS. ALSO TIES H1, H2 AND R5P4 FAIL TO MEET THE UPLIFT REQUIREMENTS, ANCHOR BOLTS ARE REQUIRED 28" O.C.)
 - RI 004.1 PREFABRICATED FIREPLACE SHALL BE DESIGN AND INSTALLED ACCORDING TO A UL 127 -APPROVED DESIGN. EXTERIOR AIR SUPPLY ALL FIREPLACES SHALL BE EQUIPPED WITH AN EXTERIOR AIR SUPPLY TO INSURE PROPER FUEL COMBUSTION.
 - RI 002.1 FACTORY-BUILT CHIMNEYS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED AND TERMINATED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - LIGHT, VENTILATION AND HEATING - BATHROOMS
 - ALL BATHROOMS AND WATER CLOSETS COMPARTMENTS OR SIMILAR ROOMS SHALL BE PROVIDED WITH A WINDOW NOT LESS THAN 3 SQUARE FEET WITH ONE-HALF OF WHICH MUST BE OPERABLE. WINDOW SHALL NOT BE REQUIRED IF MECHANICAL VENTILATION IS PROVIDED PRODUCING A CHANGE OF AIR EVERY 12 MINUTES PROVIDED. ALL EXHAUSTS SHALL BE VENTED DIRECTLY TO THE OUTSIDE.
 - ALL AC RETURN AIR CHASE SHALL BE CONSTRUCTED OF ONE-HOUR RATED CONSTRUCTION.
 - R301.0.1 EMERGENCY ESCAPE AND RESCUE REQUIRED. EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EMERGENCY ESCAPE AND RESCUE WINDOW OR EXTERIOR DOOR OPENING FOR EMERGENCY ESCAPE AND RESCUE. WHERE OPENINGS ARE PROVIDED AS A MEANS OF ESCAPE AND RESCUE THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE THE FLOOR.
 - R301.0.1.1 ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MUST HAVE A NET CLEAR OPENING OF 5.7 SQUARE FEET.
 - R301.0.1.2 THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES.
 - Stairs MIN 36" RAILING MIN STAIRS TREAD DEPTH IS 10" AND RISER HEIGHT IS 7 3/4"
 - THE CURRENT CODE IN EFFECT IS IRC 2012 ED.
 - THE DESIGN WIND SPEED IS 130 MPH.
 - TERMIT PROTECTION TO BE USING NATURALLY DURABLE TERMITE RESISTANT WOOD AND INSTALLING TERMITE BAITING SYSTEM INSTALLED AND MAINTAINED ACCORDING TO VENDOR LABELING.
 - NO FUEL FIRE APPLIANCES IN THE DWELLING.
 - WALL INSULATION IS MIN R-13 TYP AND ROOF AND ATTIC IS R-30 MIN.
 - SITE ADDRESS: 1531 URSULINES AVE, LA, 70116
 - FIRST OWNER NAME: RE NEW ORLEANS PROPERTY MANAGEMENT LLC
 - MAILING ADDRESS: 4019 VINCENNES PL
 - MAILING CITY: NEW ORLEANS
 - MAILING STATE: LA
 - MAILING ZIP 5: 70125
 - PROPERTY DESCRIPTION: SQ 176 LOT 3A URSULINES AND N ROBERTSON 32X93
 - GEOPIN: 41018904
 - TAX BILL ID: 208104321
 - LOT: 3A
 - BLOCK: 176
 - PARID: 1531-URSULINESAV
 - ZONING: HMR-1
 - ZONING DESCRIPTION: HISTORIC MARIGNY/TREMÉ/BYWATER RESIDENTIAL DISTRICT
 - FUTURE LAND USE: R-HC
 - FUTURE LAND USE DESCRIPTION: RESIDENTIAL HISTORIC CORE

SIZE SUMMARY:

- EXISTING SQFT = 0 SQFT
 - FIRST FLOOR SQFT = 1,450 SQFT
 - FIRST FLOOR GUEST = 388 SQFT
 - SECOND FLOOR 1450 SQFT
 - SECOND FLOOR GUEST = 388 SQFT
 - TOTAL = 3,678 SQFT.
 - LOT AREA = 12,923.2
 - MIN PERMEABLE AREA = 15%. = 438.5
 - PERMEABLE AREA PROVIDED = 591 SQFT

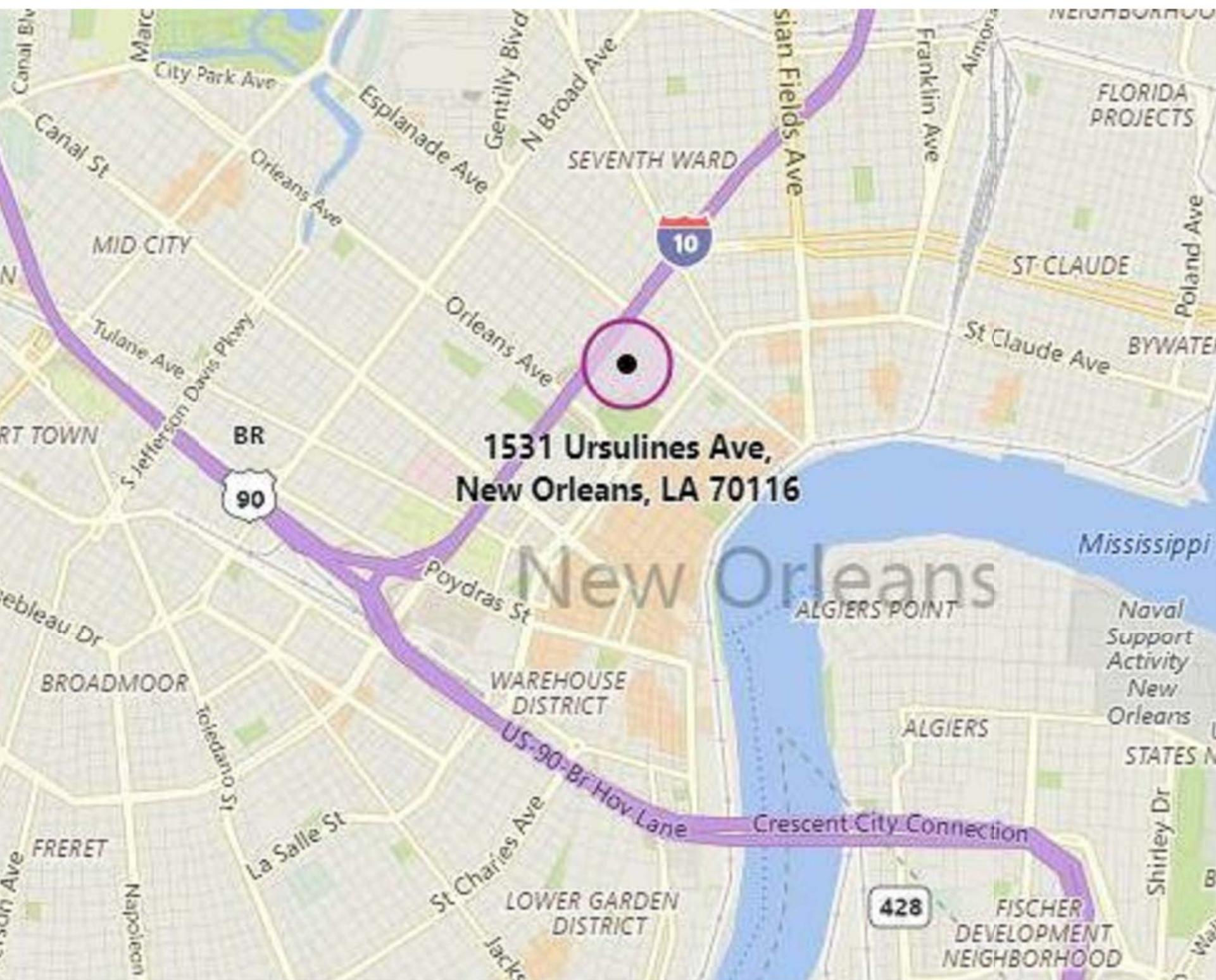
HDLC LIST OF SUBMITTALS THAT THE OWNER/ CONTRACTOR MUST PROVIDE BEFORE START OF CONSTRUCTION:

1. WINDOWS SHOP DRAWINGS
 2. MAIN DOOR MARK 24 & 32
 3. FRENCH DOORS MARK 26 & 28
 4. IRON FOUNDATION VENTS.
 5. LOW PROFILE MECHANICAL VENT
 6. GAS LANTEL OUTDOOR LIGHT
 7. PORCH POST
 8. GREEK REVIVAL COLUMN.
 9. WROUGHT IRON RAILING.
 10. OVERHEAD GARAGE DOOR

Sheet List			
Sheet Name	Sheet Number	Sheet Issue Date	Designed By
COVER PAGE	A101	01/24/18	MAGED AL GHARABLY
SITE PLAN	A102	01/24/18	MAGED AL GHARABLY
FLOOR PLAN	A103	01/24/18	MAGED AL GHARABLY
E-W ELEVATION	A104	01/24/18	MAGED AL GHARABLY
SCHEDULES	A106	01/25/18	Designer
FLOOR PLAN WITH TAGS	A107	03/19/18	Designer
FURNITURE OVERLAY	A108	03/19/18	Designer
N-S ELEVATION	A105	03/19/18	Designer
SECTIONS & DETAILS	A109	03/24/18	Designer
SECTIONS & DETAILS	A110	03/24/18	Designer
LEGEND	A111	03/24/18	Designer
WINDOW DETAIL	A112	03/25/18	Designer
LOAD PATH DIAGRAM	A113	03/25/18	Designer



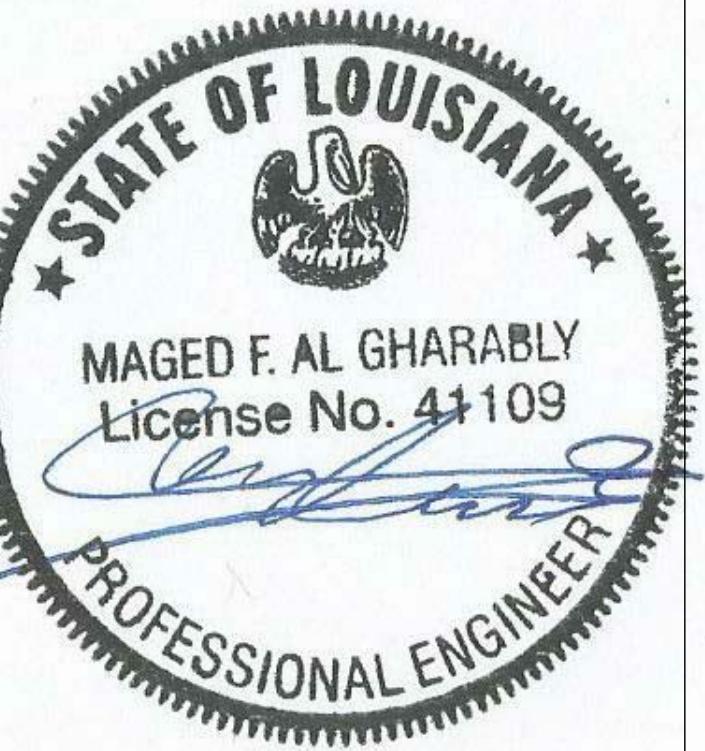
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3316 UPPERLINE ST, New Orleans Louisiana . 70125
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OFFICE: (504)564-7199



MAGED AL GHARABLY, PMP, PE
LICENSES NUMBER 41109

PLEASE BE ADVISED THAT THESE PLANS HAVE BEEN
PREPARED UNDER MY SUPERVISION BEING A
PROFESSIONAL ENGINEER, AND I TAKE FULL
RESPONSIBILITY FOR THE CONTENTS OF THESE
PLANS. THE DESIGN SPECIFICATION COMPLY WITH
CITY, PARISH, AND STATE BUILDING CODE
REQUIREMENTS TO THE BEST OF MY KNOWLEDGE
AND BELIEF. THIS REVIEW DOES NOT ATTEST TO
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ADMINISTER THE CONSTRUCTION WORK.

1531 URSULINES

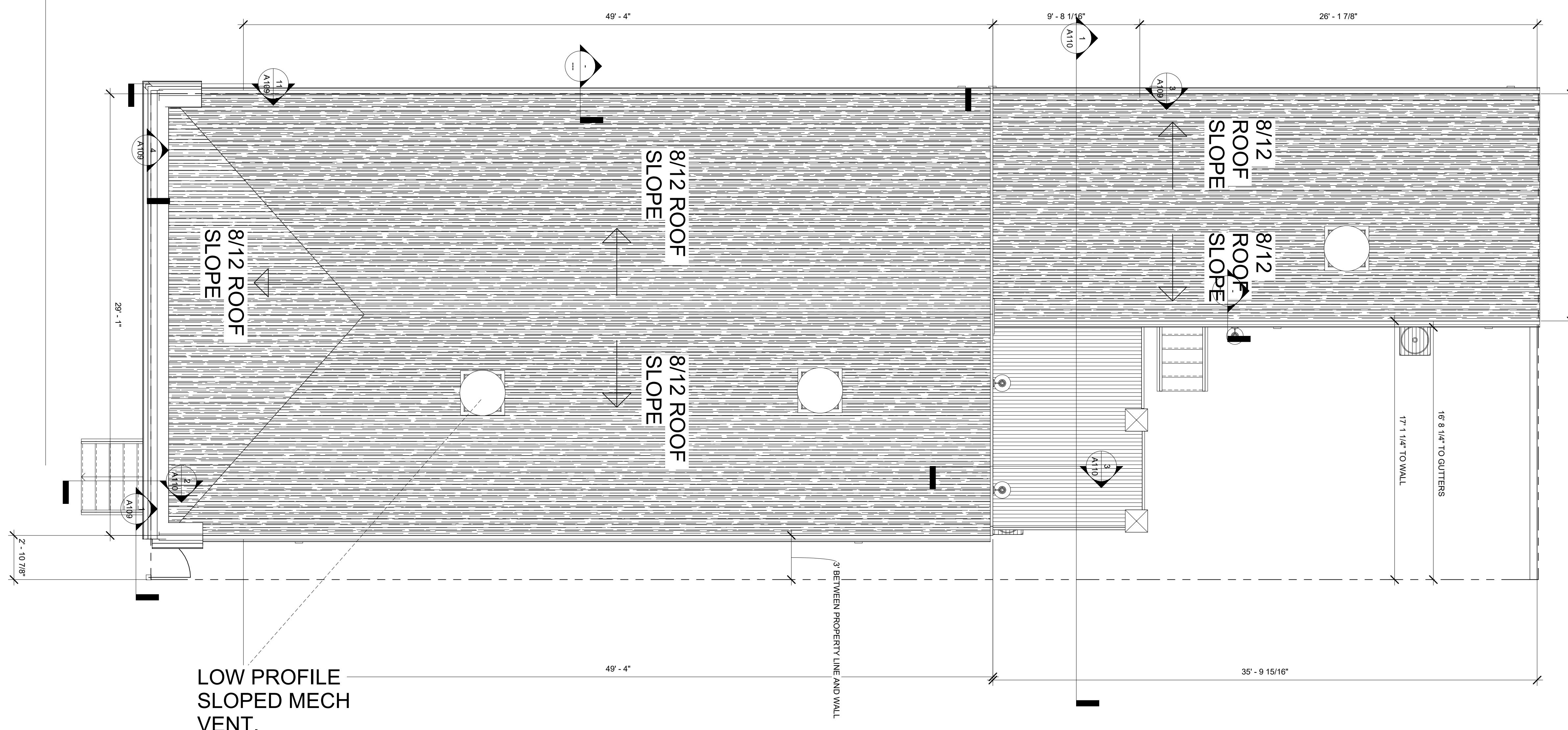
Project number	LEO 98
Date	3-24-2018
Drawn by	MAGED AL GHARABLY
Checked by	MAGED AL GHARABLY
Scale	A101

N.ROBERTSON ST

1 Site
1/4" = 1'-0"

URSULINES

N-VII | FRF



APPROX
TRUE N.

17' 1 1/4" TO WALL

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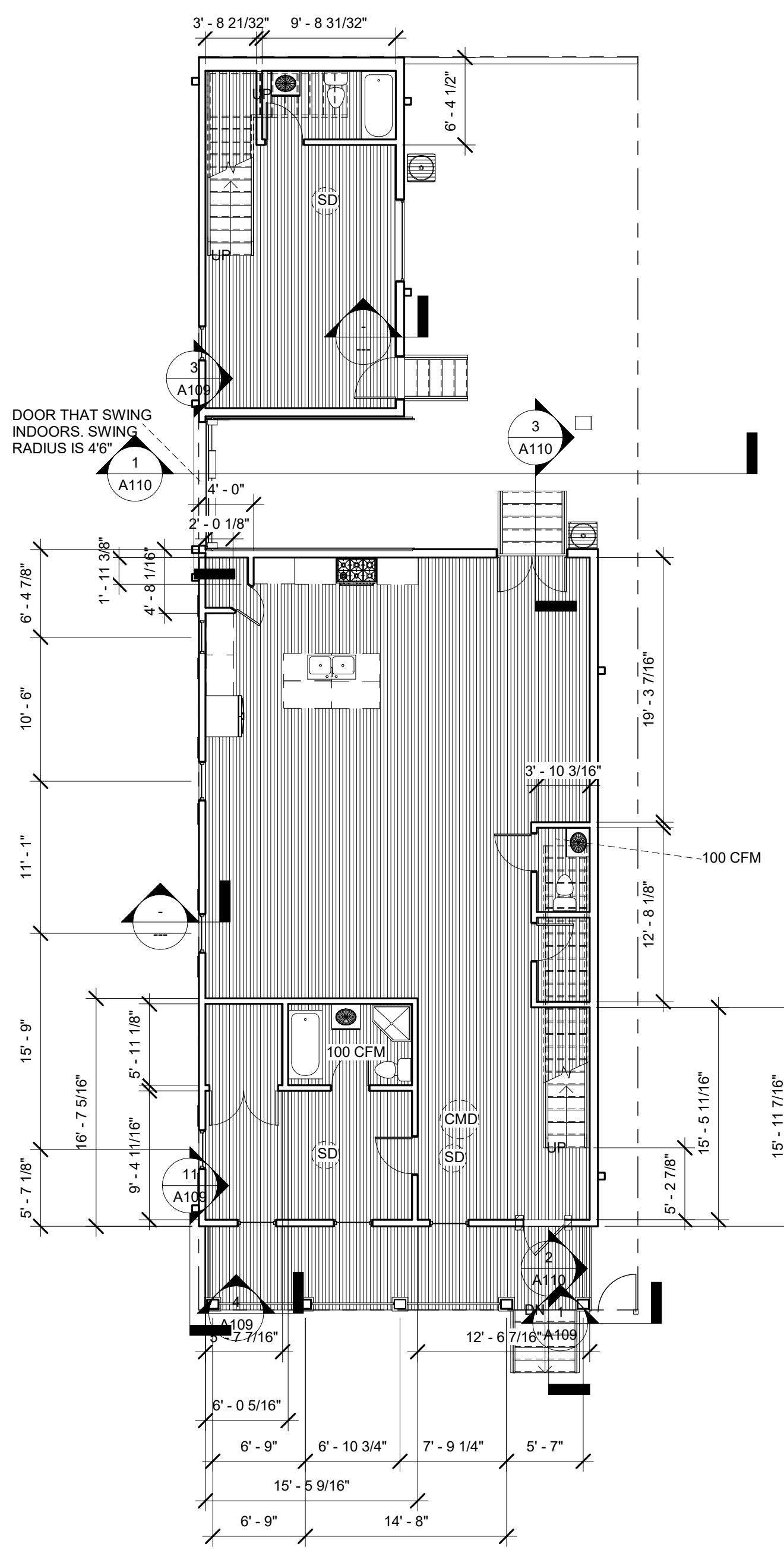
1531 URSULINES

SITE PLAN

Project number	LEO 98
Date	3-24-2018
Drawn by	MAGED AL GHARABLY
Checked by	MAGED AL GHARABLY

A102

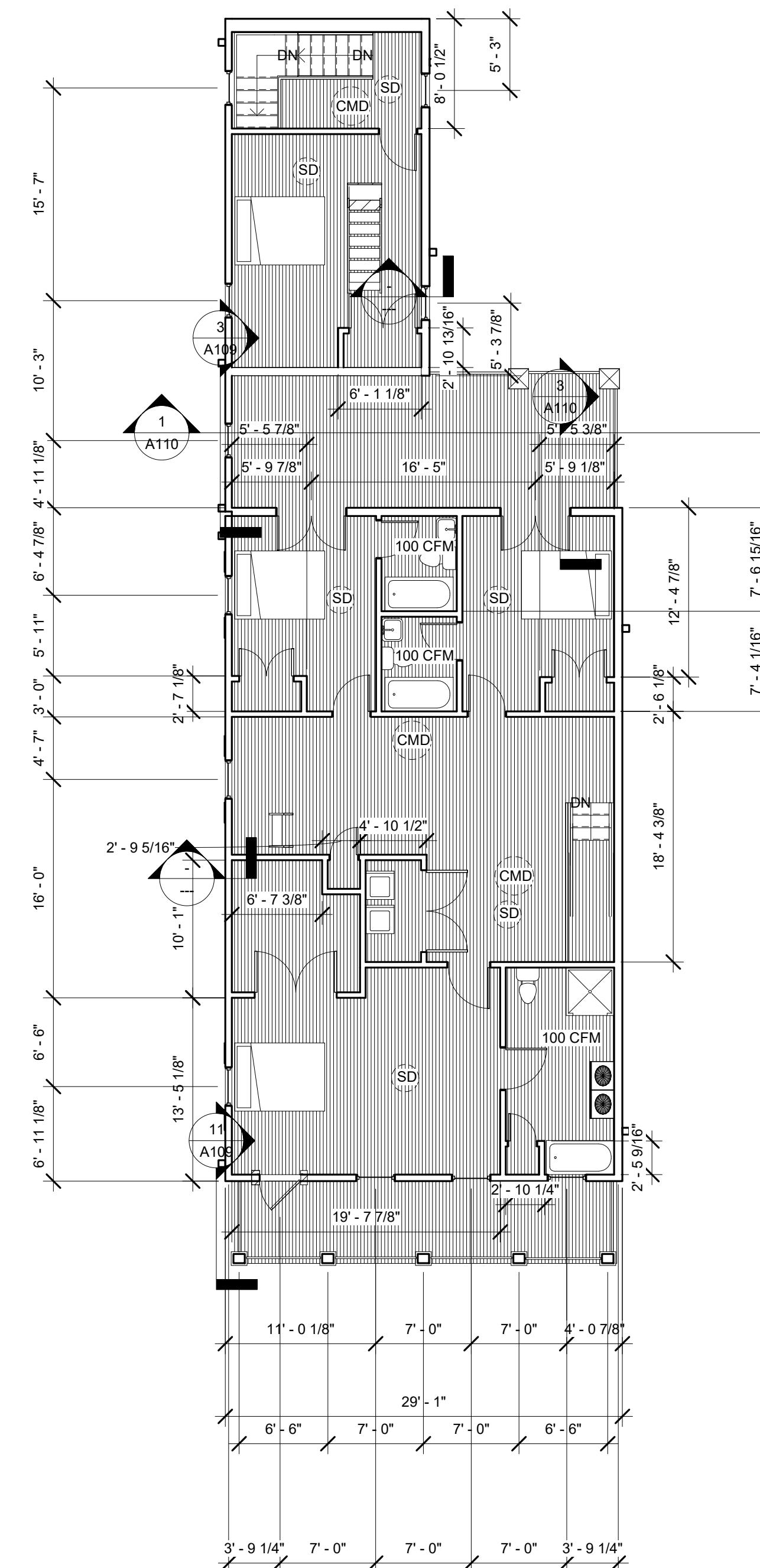
Scale **1/4" = 1'-0"**



1 Level 1
1/8" = 1'-0"

GENERAL NOTES:

1. ALL INTERIOR WALLS ARE 2X4 @ 16" C.C. WITH 3/8" GYPSUM BOARD ON EITHER SIDE.
2. ALL PLUMBING WALLS ARE 2X6 @ 16" C.C. WITH 3/8" GYPSUM BOARD ON EITHER SIDE.
3. CONTRACTOR SHALL PROVIDE GREEN GYPSUM BOARD AT ALL WET AREAS.



2 Level 2
1/8" = 1'-0"

1531 URSULINES

FLOOR PLAN

project number	LEO 9
date	3-24-2011
drawn by	MAGED AL GHARABL
checked by	MAGED AL GHARABL

A103

1/8" = 1'-0"

3/25/2018 4:03:23 PM

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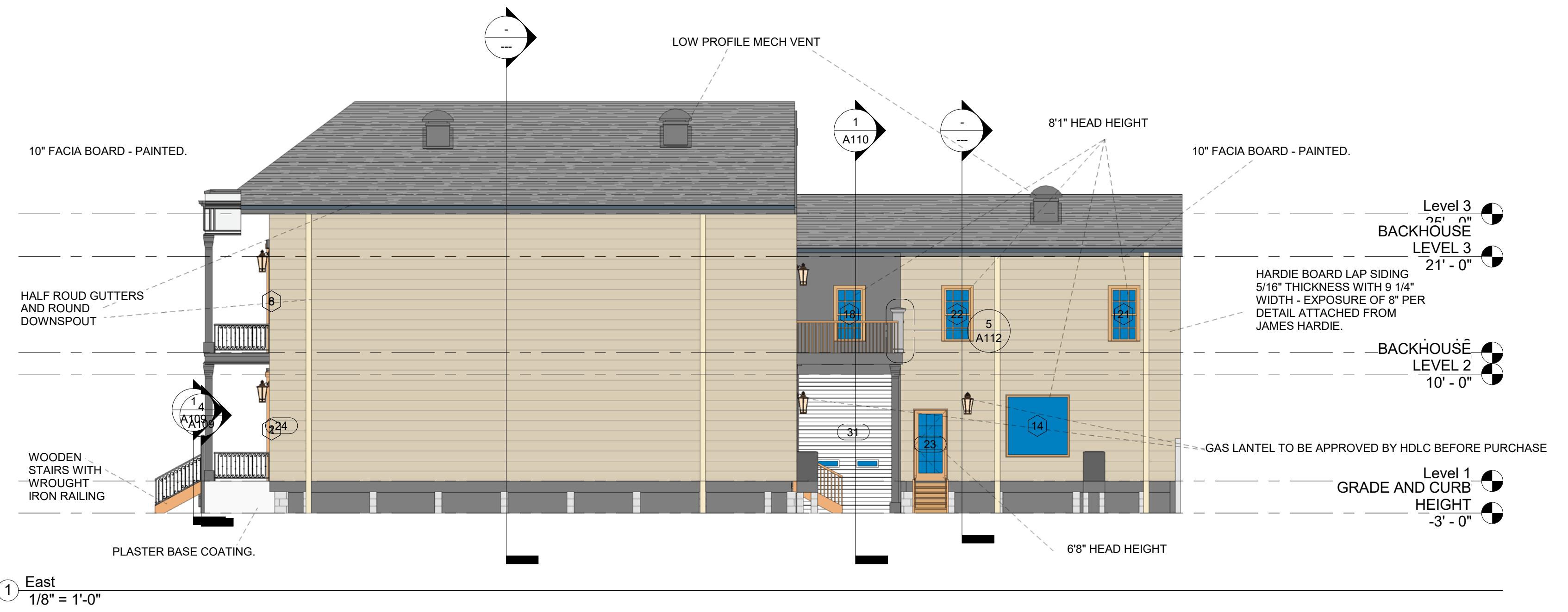
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DOOR AND WINDOWS GENERAL NOTES:

- WORK AND WINDOWS GENERAL NOTES:**

 1. CONTRACTOR TO COORDINATE ALL FINAL FINISHES SELECTIONS WITH OWNER AND OBTAIN HDLC APPROVAL PRIOR TO PURCHASE.
 2. CONTRACTOR TO COORDINATE ALL HARDWARE SELECTIONS WITH OWNER AND OBTAIN HDLC APPROVAL PRIOR TO PURCHASE.
 3. CONTRACTOR TO COORDINATE THE EXTERIOR TRIM PROFILE IN ACCORDANCE WITH HDLC APPLICATION FOR REPLACEMENT OF DOORS AND TRIM.
 4. BASIS OF WINDOW DESIGN - DALLAS MILLWORKS INC'S TO SUBMIT SHOP DRAWINGS PRIOR TO PURCHASE AND INSTALLATION.
 5. PROVIDE FLASHING AND SEALING TO ALL WINDOWS AS PER SHOP DRAWINGS AND MANUFACTURER RECOMMENDATIONS.



1 East
1/8" = 1'-0"

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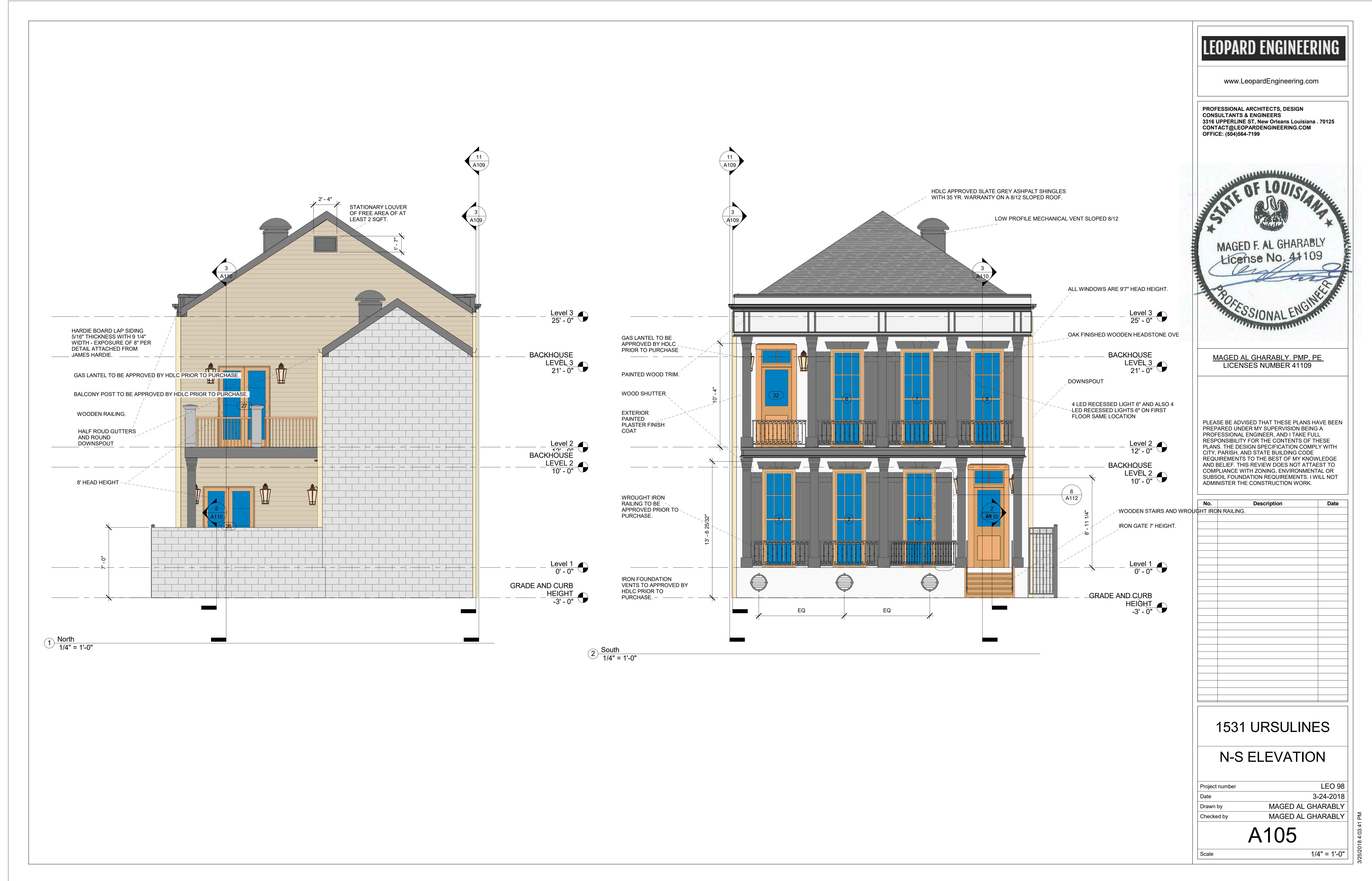
1531 URSULINES

E-W ELEVATION

Project number	LEO 98
Date	3-24-2018
Drawn by	MAGED AL GHARABLY
Checked by	MAGED AL GHARABLY

A104

Scale 1/8" = 1'-0"



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Room Schedule									
Level	Number	Name	Perimeter	Area	Base Finish	Ceiling Finish	Floor Finish	Wall Finish	Unbounded Height
Level 1	1	LIVING ROOM 2	76' - 11"	286 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	2	BA2	29' - 5 15/16"	49 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	3	LIVING ROOM AND KITCHEN	160' - 0 17/32"	1031 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	4	BD 1	48' - 10 3/4"	141 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	5	CL1	23' - 1 1/8"	33 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	6	BA1	29' - 11"	54 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	7	BD2	69' - 7 3/4"	276 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	8	BA5	46' - 2 1/2"	113 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	9	LIVING ROOM 2	91' - 11"	391 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	10	LAU	23' - 0 1/2"	30 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	11	WALK IN CLOSET	38' - 1 5/8"	84 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	12	BD5	50' - 10 3/8"	145 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	13	BA3	24' - 10 5/8"	38 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	14	BA4	24' - 11 5/8"	38 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	15	BD4	49' - 8 7/8"	137 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	17	CL4	14' - 6 1/2"	11 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	18	BD 3	61' - 11 1/2"	220 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	19	CL3	16' - 4 3/8"	14 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	20	STAIRS	41' - 10 3/4"	98 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	21	CL5	14' - 3 1/2"	11 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	22	POWER ROOM	19' - 11 5/8"	24 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	23	COAT CLOSET	19' - 11 5/8"	24 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	24	LINEN CLOSET	9' - 0 1/8"	5 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 2	25	AC RETURN	8' - 11 1/8"	5 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"
Level 1	26	PANTRY	12' - 8 3/8"	10 SF	BASEBOARD	PAINTED GYPSUM	TILE OR SIMILAR	PAINTED GYPSUM	10' - 0"

Door Schedule						
Mark	Level	Head Height	Width	Height	Phase Created	Family and Type
1	Level 1	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
2	Level 1	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
3	Level 1	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
4	Level 1	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
7	Level 1	6' - 8"	2' - 0"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 24" x 80"
8	Level 1	6' - 8"	5' - 0"	6' - 8"	New Construction	Door-Double-Flush_Panel: 60" x 80"
9	Level 2	6' - 8"	2' - 0"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 24" x 80"
10	Level 2	6' - 8"	3' - 0"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 36" x 80"
11	Level 2	6' - 8"	3' - 0"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 36" x 80"
12	Level 2	6' - 8"	6' - 0"	6' - 8"	New Construction	Door-Double-Flush_Panel: 72" x 80"
13	Level 2	6' - 8"	6' - 0"	6' - 8"	New Construction	Door-Double-Flush_Panel: 72" x 80"
14	Level 2	6' - 8"	2' - 0"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 24" x 80"
15	Level 2	6' - 8"	4' - 0"	6' - 8"	New Construction	Door-Double-Flush_Panel: 48" x 80"
16	Level 2	6' - 8"	4' - 0"	6' - 8"	New Construction	Door-Double-Flush_Panel: 48" x 80"
17	Level 2	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
18	Level 2	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
19	BACKHOUSE LEVEL 2	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
20	BACKHOUSE LEVEL 2	6' - 8"	5' - 0"	6' - 8"	New Construction	Door-Double-Flush_Panel: 60" x 80"
21	Level 2	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
22	Level 2	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
23	Level 1	6' - 8"	3' - 0"	6' - 8"	New Construction	Door-Interior-Single-Full Glass-Wood: 36" x 80"
24	Level 1	6' - 8"	3' - 0"	6' - 8"	New Construction	2_panel_door_w_transom_5279: 36" x 80" w/transom"
26	Level 1	8' - 0"	5' - 0"	8' - 0"	New Construction	Door-Exterior-Double-Full Glass-Wood_Clad: 60" x 8'
27	Level 2	8' - 0"	5' - 0"	8' - 0"	New Construction	Door-Exterior-Double-Full Glass-Wood_Clad: 60" x 8'
28	Level 2	8' - 0"	5' - 0"	8' - 0"	New Construction	Door-Exterior-Double-Full Glass-Wood_Clad: 60" x 8'
29	Level 1	6' - 8"	2' - 8"	6' - 8"	New Construction	Door-Interior-Single-6_Panel-Wood: 32" x 80"
31	GRADE AND CURB HEIGHT	13' - 0"	9' - 0"	13' - 0"	New Construction	3730-3Adv: By Type
32	Level 2	6' - 8"	3' - 0"	6' - 8"	New Construction	2_panel_door_w_transom_5279: 36" x 80" w/transom"

Window Schedule						
Mark	Level	Family and Type	Width	Height	Sill Height	Head Height
1	Level 1	Double Hung with Trim 6X6 fixed: A 2'10" 97"	2' - 10"	9' - 7"	0' - 0"	9' - 7"
2	Level 1	Double Hung with Trim 6X6 fixed: A 2'10" 97"	2' - 10"	9' - 7"	0' - 0"	9' - 7"
3	Level 1	Double Hung with Trim 6X6 fixed: A 2'10" 97"	2' - 10"	9' - 7"	0' - 0"	9' - 7"
6	Level 2	Double Hung with Trim 6X6 fixed: A 2'10" 97"	2' - 10"	9' - 7"	0' - 0"	9' - 7"
7	Level 2	Double Hung with Trim 6X6 fixed: A 2'10" 97"	2' - 10"	9' - 7"	0' - 0"	9' - 7"
8	Level 2	Double Hung with Trim 6X6 fixed: A 2'10" 97"	2' - 10"	9' - 7"	0' - 0"	9' - 7"
9	Level 1	Double Hung with Trim 6X6 fixed: b 2'10" 6'10"	2' - 10"	6' - 10"	3' - 1"	9' - 11"
10	Level 1	Double Hung with Trim 6X6 fixed: b 2'10" 6'10"	2' - 10"	6' - 10"	3' - 1"	9' - 11"
11	Level 1	Double Hung with Trim 6X6 fixed: b 2'10" 6'10"	2' - 10"	6' - 10"	3' - 1"	9' - 11"
12	Level 1	Double Hung with Trim 6X6 fixed: c 2'6" x 5' 10"	2' - 6"	5' - 10"	4' - 1"	9' - 11"
13	Level 1	Double Hung with Trim 6X6 fixed: c 2'6" x 5' 10"	2' - 6"	5' - 10"	2' - 0"	7' - 10"
14	Level 1	Fixed: 5'10"X 6'	6' - 0"	5' - 10"	2' - 3"	8' - 1"
15	Level 2	Double Hung with Trim 6X6 fixed: b 2'10" 6'10"	2' - 10"	6' - 10"	3' - 1"	9' - 11"
16	Level 2	Double Hung with Trim 6X6 fixed: b 2'10" 6'10"	2' - 10"	6' - 10"	3' - 1"	9' - 11"
17	Level 2	Double Hung with Trim 6X6 fixed: b				



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OFFICE: (504)564-7199



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LICENSES NUMBER 41109

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1531 URSULINES

FLOOR PLAN WITH TAGS

Project number	LEO 98
Date	3-24-2018
Drawn by	MAGED AL GHARABLY
Checked by	MAGED AL GHARABLY

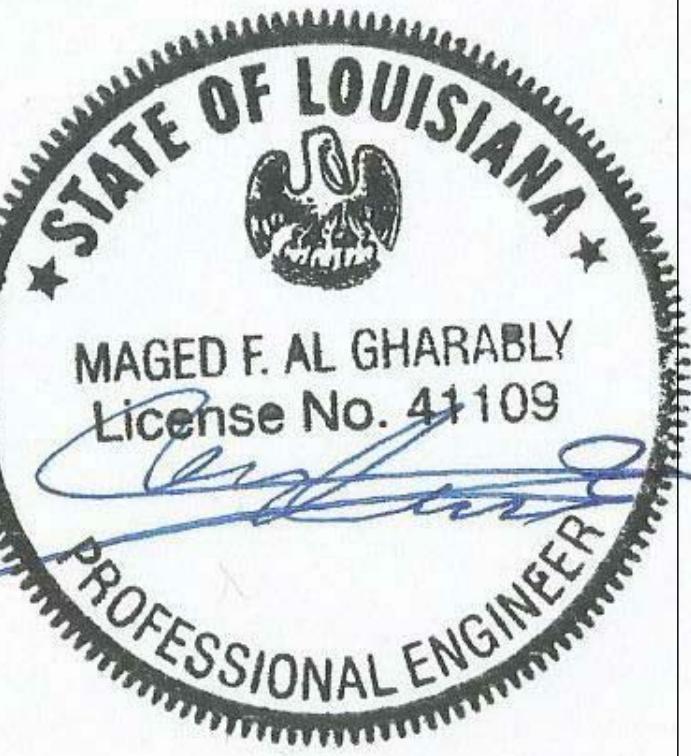
A107

Scale 1/8" = 1'-0"



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1531 URSULINES

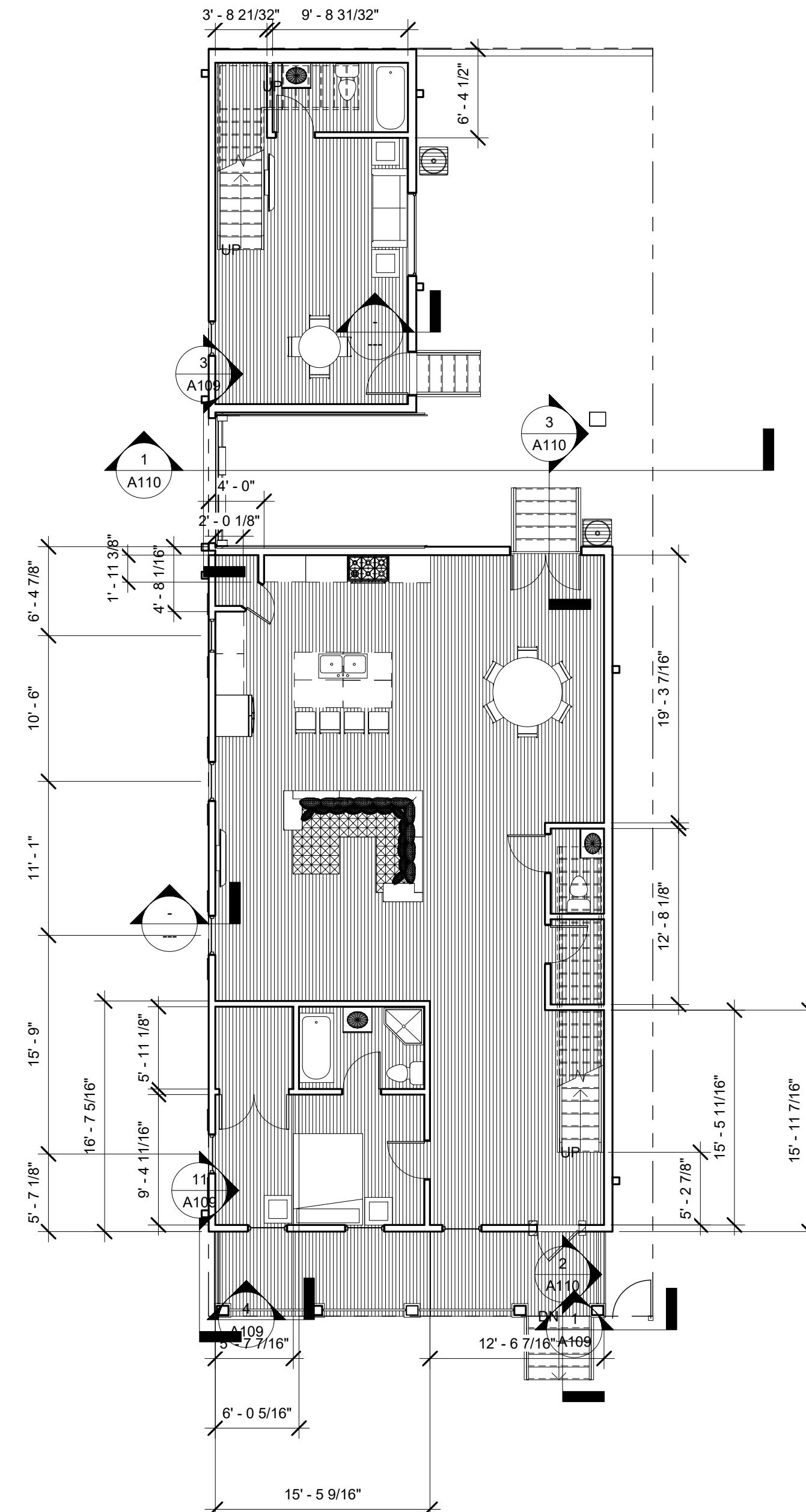
FURNITURE OVERLAY

Project number	LEO 98
Date	3-24-2018
Drawn by	MAGED AL GHARABLY
Checked by	MAGED AL GHARABLY

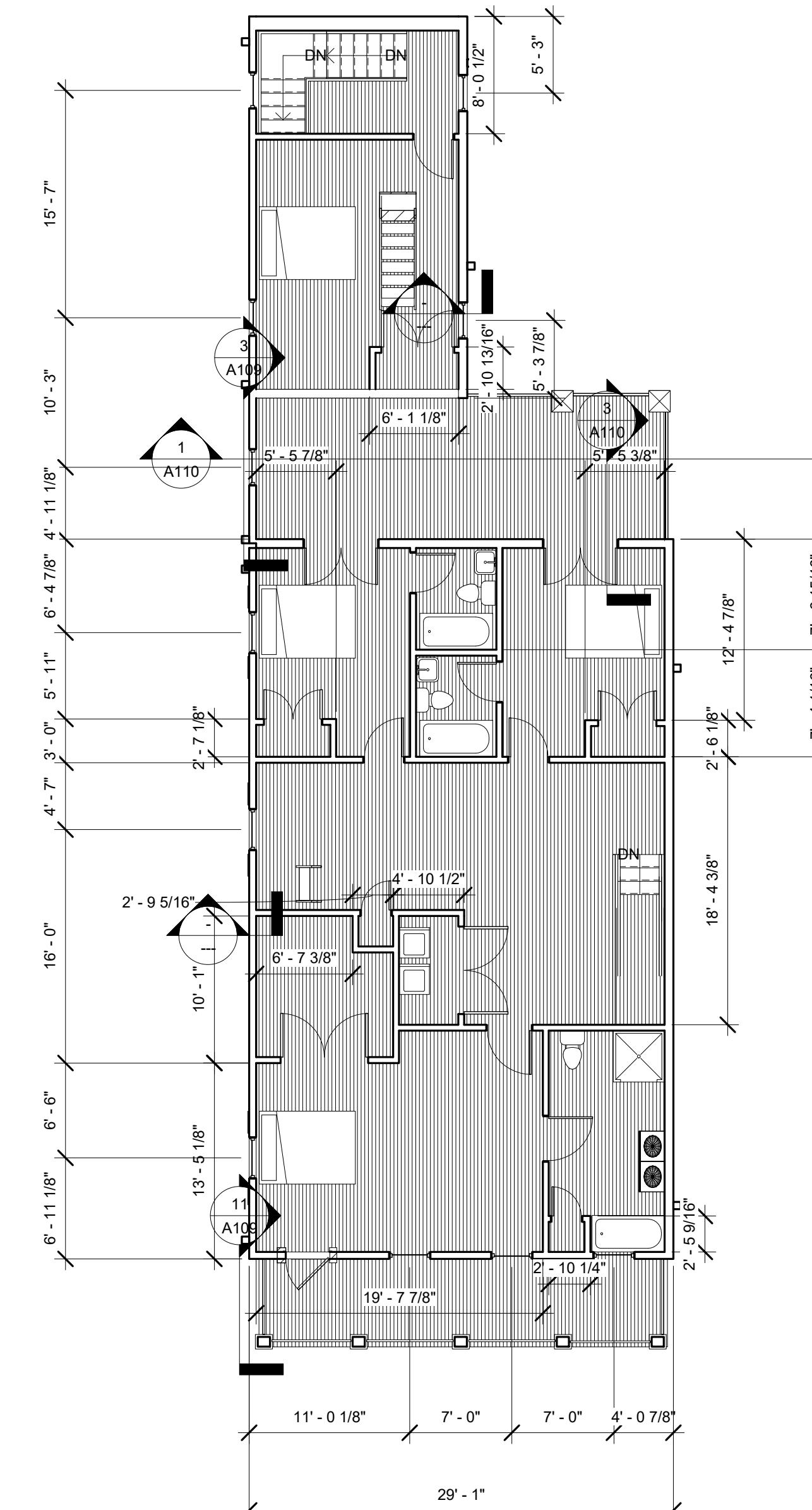
A108

Scale 1/8" = 1'-0"

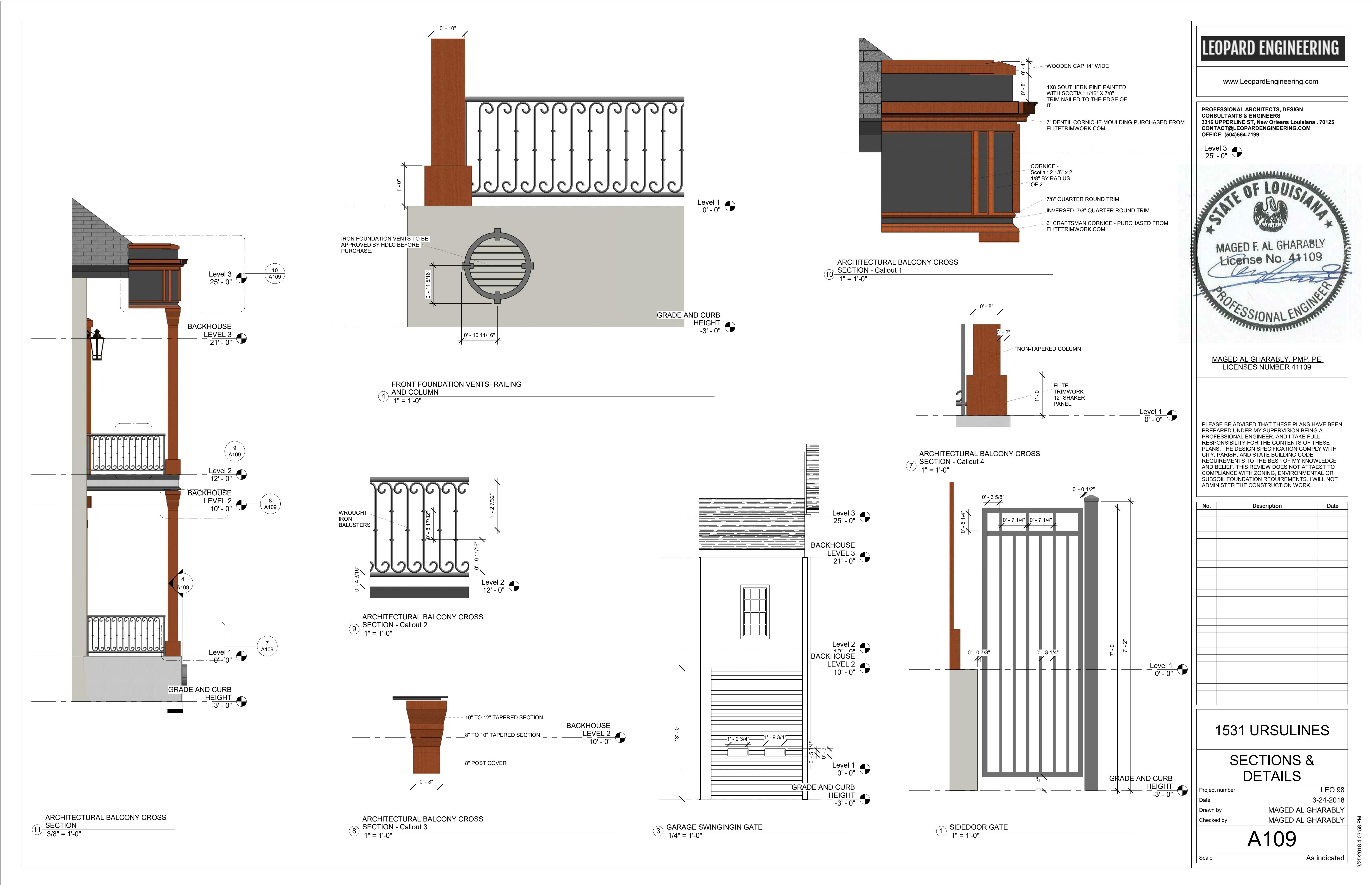
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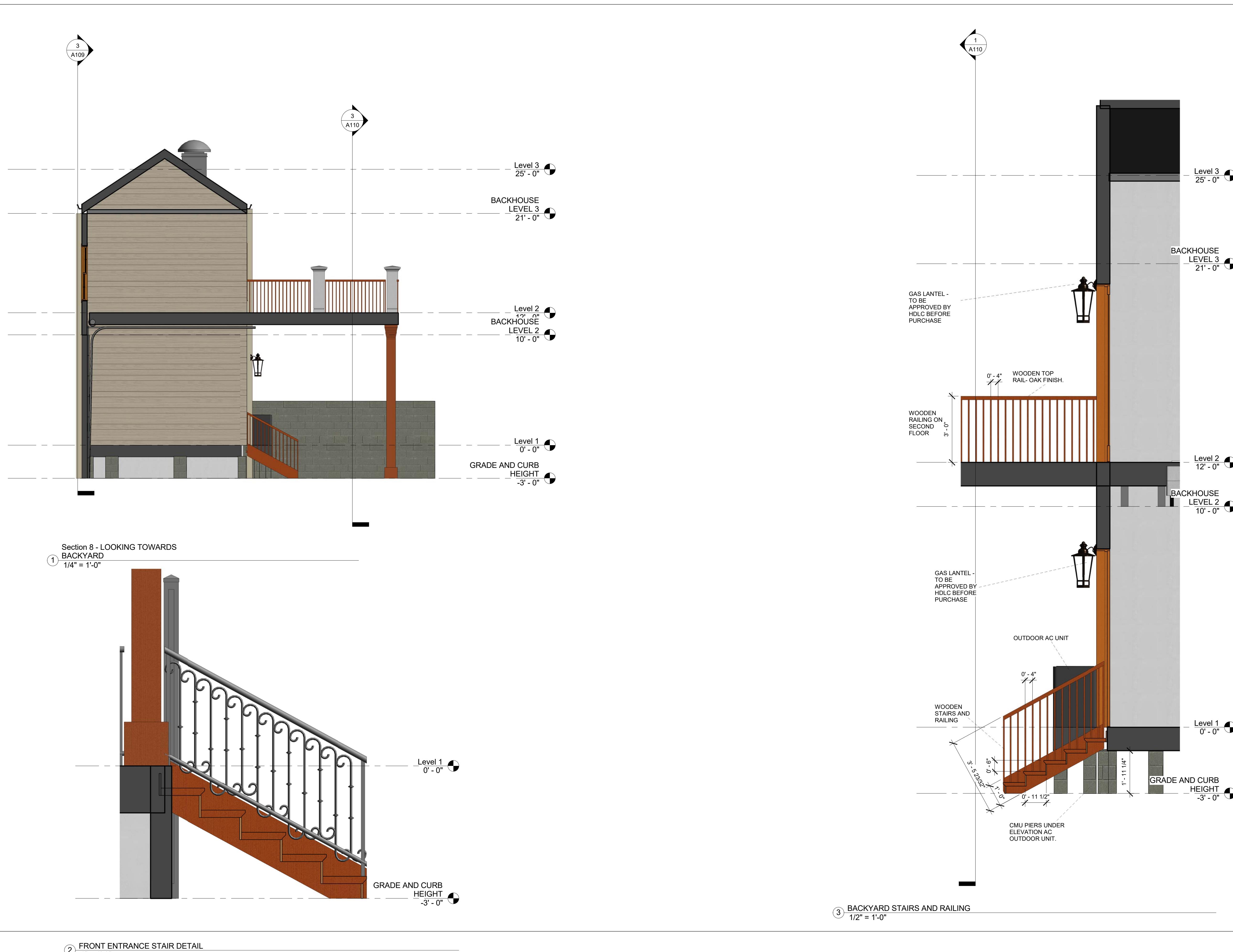


1 Level 1 Furniture Overlay
1/8" = 1'-0"



2 Level 2 Furniture Overlay
1/8" = 1'-0"

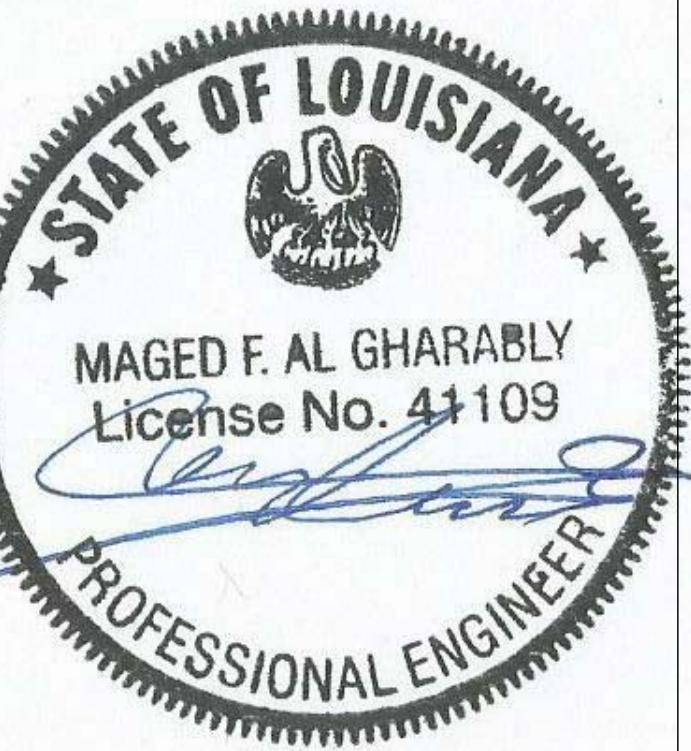




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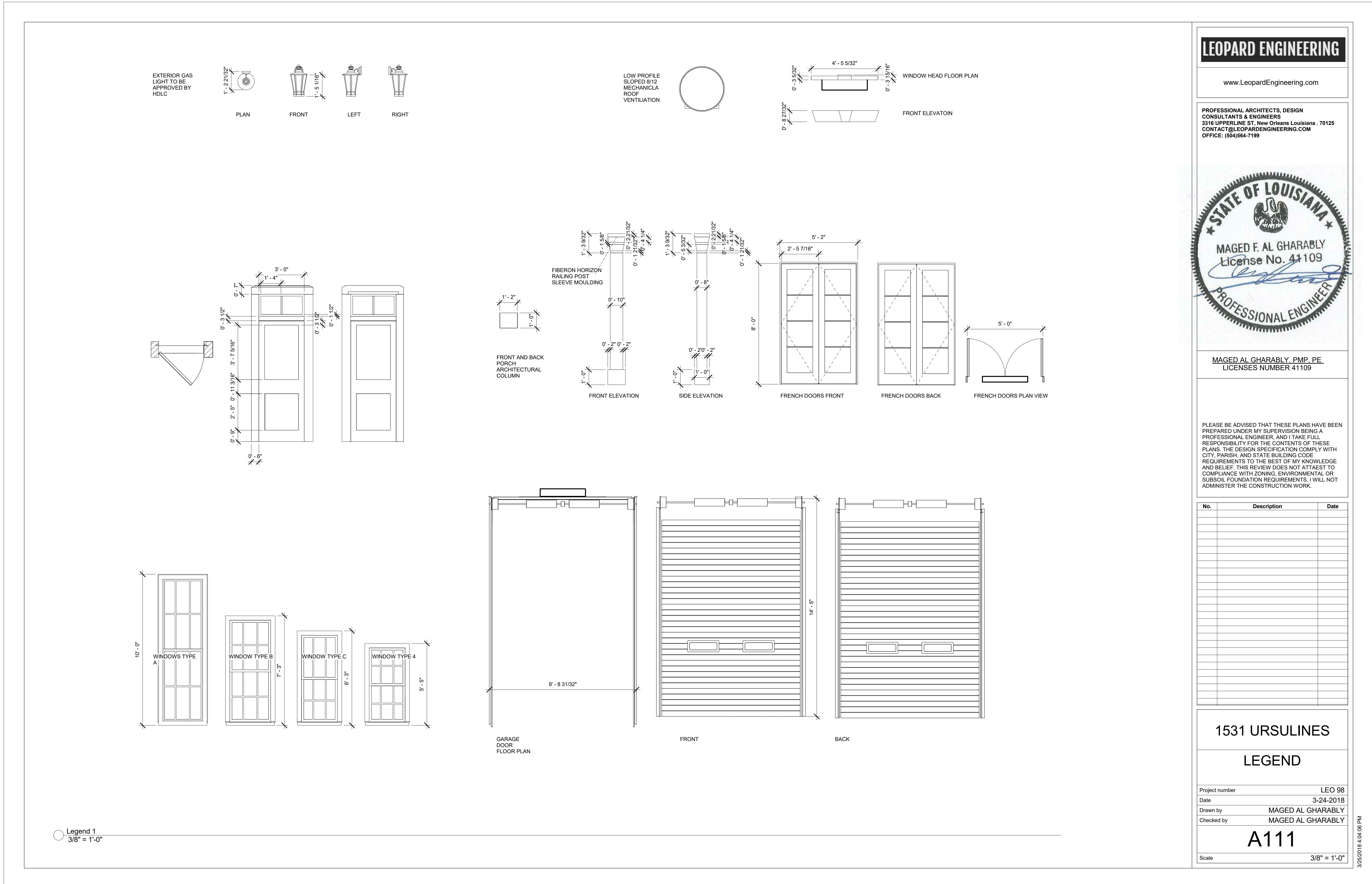
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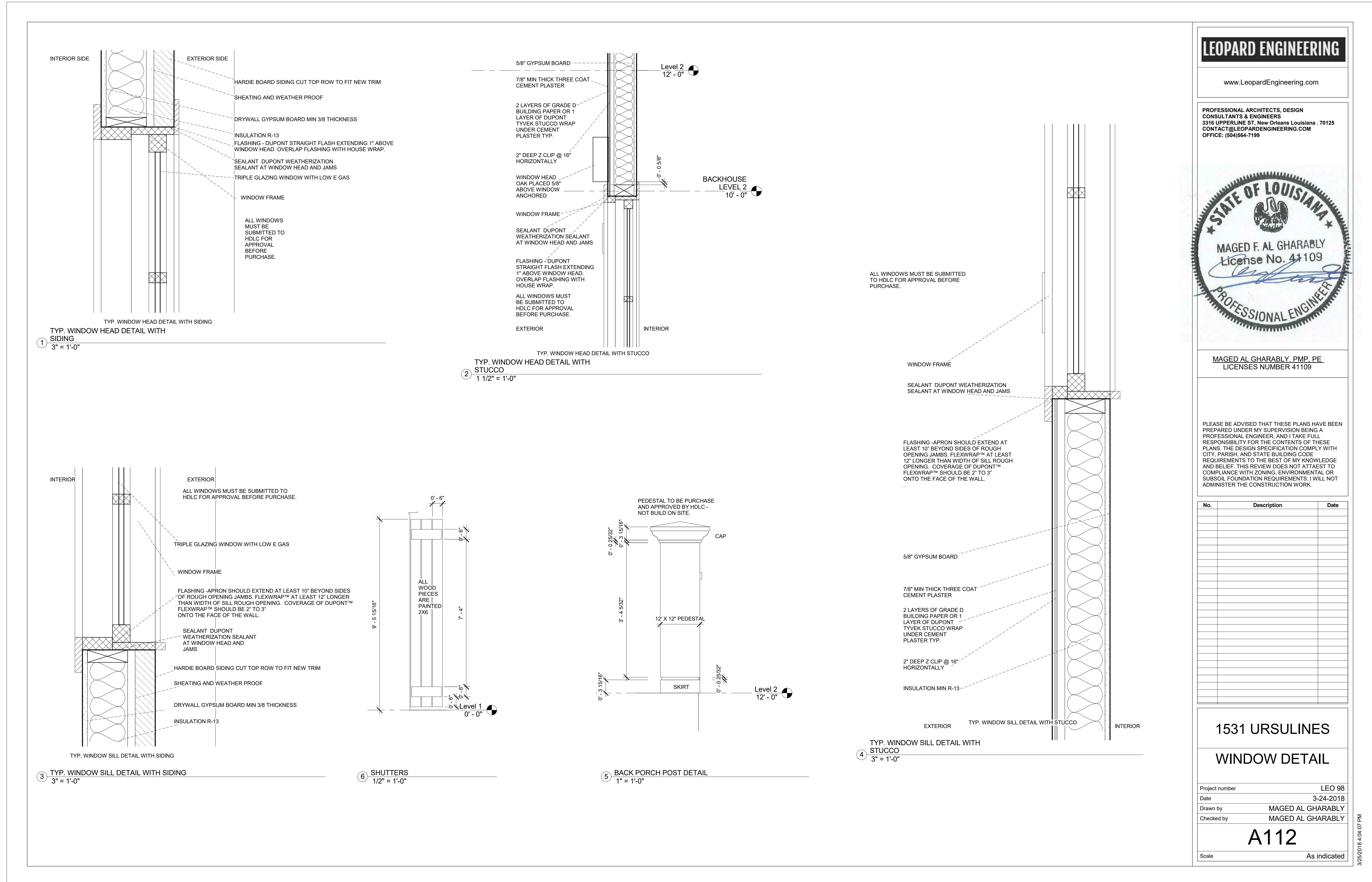
SECTIONS & DETAILS

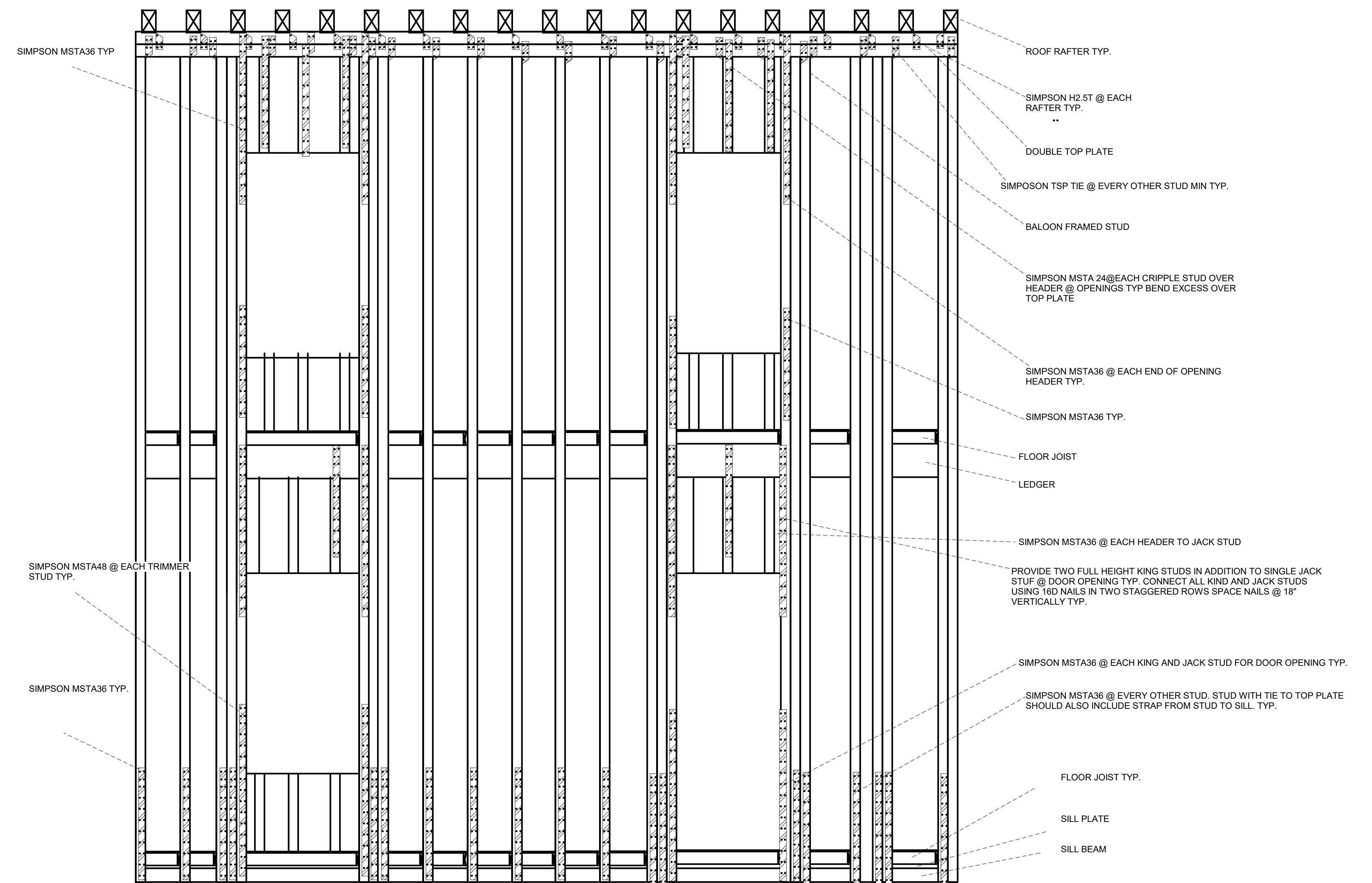
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MAILED A

Scale As indicated





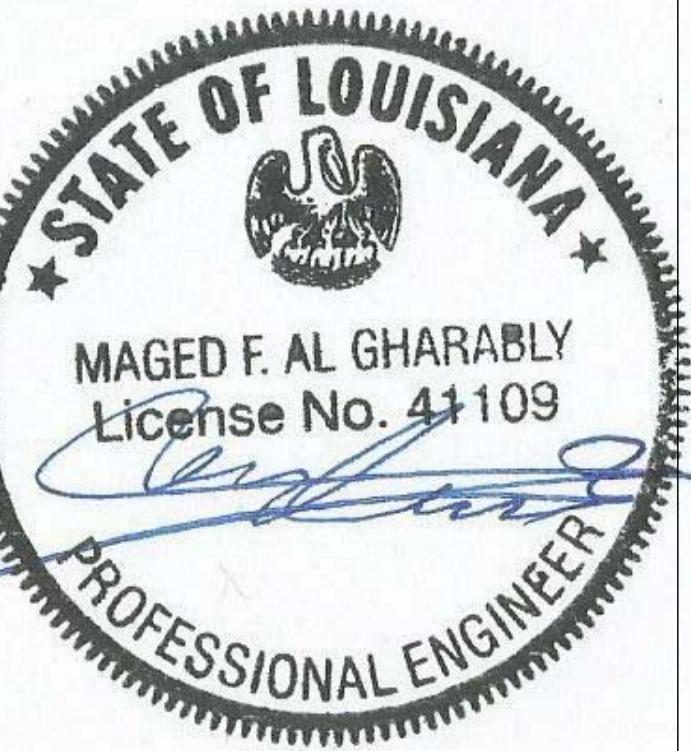


1 2 STORY LOAD PATH DIAGRAM
1/2" = 1'-0"

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1531 URSULINES

LOAD PATH DIAGRAM

Project number	LEO 98
Date	3-24-2018
Drawn by	MAGED AL GHARABLY
Checked by	MAGED AL GHARABLY

A113

Scale 1/2" = 1'-0"

A B C D E F

C

D

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FRAMING AND TIMBER NOTES

1. LUMBER DATA:

- A. ALL FRAMING LUMBER SHALL BE KILN DRIED.
 B. ALL CEILING JOIST, ROOF RAFTERS AND ASSOCIATED FRAMING SHALL BE NO.2 SOUTHERN YELLOW PINE.
 C. MODULUS OF ELASTICITY, "E" IN 1,600,000 PSI = 1.6

2. USE METAL JOIST HANGERS ON ALL FLUSH FRAMED BEAMS.
 3. CEILING JOIST SHALL BE COMPLETE, SHEATHED IN ATTIC SPACE. VERIFY AREA WITH OWNER.
 4. ALL EXTERIOR WALL SHEATHING WILL BE A MINIMUM 1/2" CDX PLYWOOD OR OSB

5. ALL Headers SHALL BE AS PER SCHEDULE.
 6. ALL WOOD BEAMS WITH PLYWOOD SHALL BE GLUED AND NAILED.
 7. ALL WOOD BEAMS WITH STEEL PLATE SHALL BE BOLTED WITH 1/2" DIA. A-307 GR.C STEEL BOLTS.

8. WALL BRACING SHALL BE STRUCTURAL SHEATHING PER WFCM, LATEST EDITION.
 9. TOP PLATES SHALL BE FACE NAILED TOGETHER AT INTERSECTIONS WITH (4)-6d COMMON NAUS

10. 2"X4" BRADING ON 2X6" ROOF RAFTERS SHALL NOT EXCEED THE FOLLOWING:
 2X6" RAFTER AT 16" O.C. - 11'-3"

- 2X6" RAFTER AT 24" O.C. - 9'-2"

11. ALL WIDE FLANGE STEEL SHALL BE ASTM A392(50 KSI). ALL OTHER SHALL BE ASTM A36(A36(KS)) UNLESS NOTED OTHERWISE ON PLANS.

12. ALL WOOD CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THEIRC(2006), NDS, AND WFCM.

13. THE NUMBER AND SIZE OF NAUS AT ALL WOOD CONNECTIONS SHALL BE PER THE LATEST EDITION OF THE WFCM OR ENGINEER'S SPECIFICATIONS.

14. PARALAM JOISTS SHALL HAVE A MINIMUM E=2,000,000 PSI AND Fy OF 2900 PSI.

15. CONNECTORS SPECIFIED AS SIMPSON TYPE ARE TO BE MANUFACTURED BY SIMPSON STRONG-TIE CO. OR APPROVED EQUAL, COMPLY WITH MANUFACTURER'S FASTENING PROCEDURES. IF MANUFACTURER PROVIDES AN OPTION FOR THE INSTALLATION PROCEDURE, PROVIDE THE STRONGEST CONNECTION. ALL CONNECTORS SHALL BE GALVANIZED.

16. ALL BASE PLATES WILL BE ANCHORED AT A MAXIMUM OF 24" ON CENTER WITH A MINIMUM A307 GR. C 5/8"X10" ANCHOR BOLTS USING 3"X3X1/4" PLATE WASHER (SEE DETAIL). ANCHORING PREC. MINIMUM 5/8" THICK PLMWOOD, INSTALLABLE CORROUGATED STEEL PANELS OR IMPACT RESIST. PLASTIC WINDONS.

17. ALL WINDOWS/OPENINGS SHALL BE PROVIDED WITH ONE OF THE FOLLOWING: OPERABLE SHUTTERS, ANCHORING PREC. MINIMUM 5/8" THICK PLMWOOD, INSTALLABLE CORROUGATED STEEL PANELS OR IMPACT RESIST. PLASTIC WINDONS.

18. R905.6 ROOF SHINGLES WILL BE ATTACHED WITH THE HIGH WIND FASTENING METHOD TESTED IN ACCORDANCE WITH ASTM D3361 FOR 130 MPH WINDS. THE CONTRACTOR MUST SUBMIT A FASTENING PATTERN FROM THE SINGLE MANUFACTURER THAT IT CERTIFIES AND CONFORMS TO ASTM D361 FOR 130 MPH WINDS AND THE DESIGN LOADS FROM TABLE R901.2(2). R905.7.2 UNDERLAYMENT AND HIGH WIND-UNDERRAMMENT APPLIED IN AREAS SUBJECT TO HIGH WINDS (GREATER THAN 110 MPH) WILL BE APPLIED WITH CORROSION-RESISTANT FASTENERS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. FASTENERS ARE TO BE APPLIED ALONG THE OVERLAP NOT FARTHER APART THAN 36" O.C.

19. FIRE BLOCKING SHALL BE INSTALLED AS PER SECTION R602.8 OFIRC 2006. NO EXCEPTIONS.

20. JOIST SHALL ONLY BE NOTCHED IF NECESSARY IN STRICT ACCORDANCE WITHIRC 2006. NO EXCEPTIONS.

21. WITH DESIGN WIND LOADS, 130MPH, EXPOSURE C, ENCLOSED STRUCTURE, I=1.0, THE OWNER SHALL COMPLY WITH THE REQUIREMENT OF AN ENCLOSED BUILDING ENVELOPE WITH ALL WINDOWS, PERSONAL DOORS AND GARAGE DOORS. IN THE EVENT THE OWNER DOES NOT COMPLY WITH THESE REQUIREMENT, THE STRUCTURE SHALL BE REDESIGNED AS A PARTIALLY ENCLOSED STRUCTURE, AT THE OWNERS EXPENSE.

22. ALL NAUS SHALL BE COMMON NAUS UNLESS SPECIFIED OTHERWISE. NO EXCEPTIONS, UNLESS SPECIFICALLY REQUESTED IN WRITING AND APPROVED BY THE ENGINEER OF RECORD.

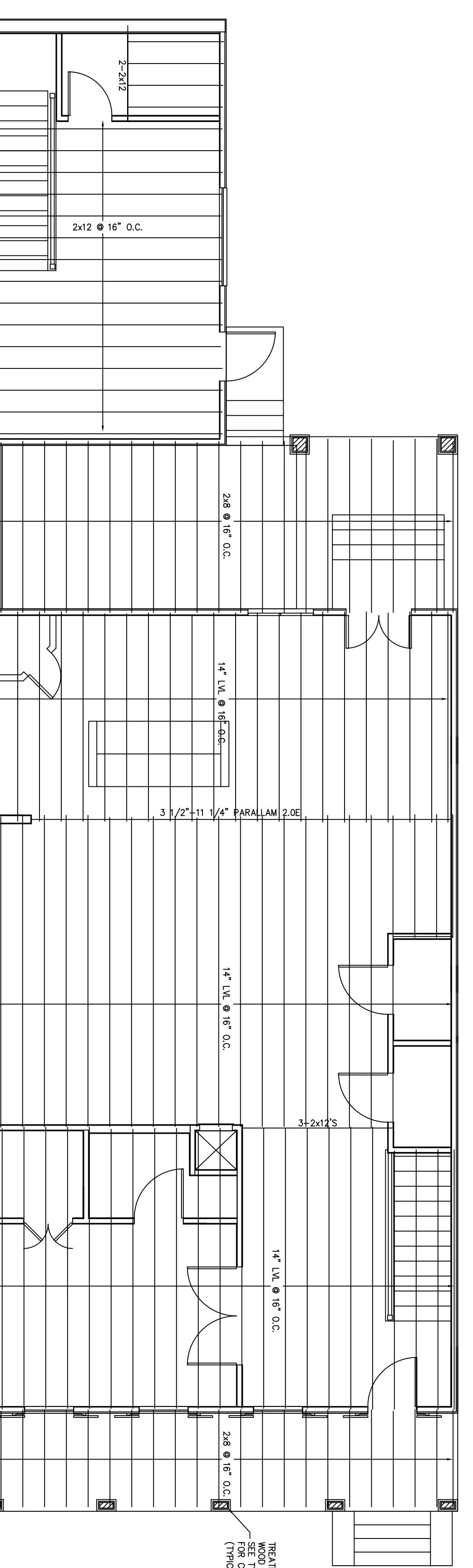
23. PLACE AND NAIL ALL RAFTER PANEL ON ROOF WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS, UNLESS SIGHT LINE OTHERWISE IDENTIFIED. EACH PIECE MUST BE CONTINUOUS OVER AT LEAST TWO SPANS. USE MINIMUM OF 24" WIDE PANELS.

24. USE "T" PANEL CLIPS TO PROVIDE 1/8" SPACE IN ROOF SHEATHING AT ALL PANEL EDGES AND ENDS UNLESS NOTED OTHERWISE BY PANEL MANUFACTURER.

25. IF ROOF SHEATHING IS CUT TO PROVIDE SPACE FOR A CONTINUOUS RIDGE VENT, ADD ADDITIONAL BLOCKING TO MANTAIN ROOF SHEATHING NAIL SCHEDULE.

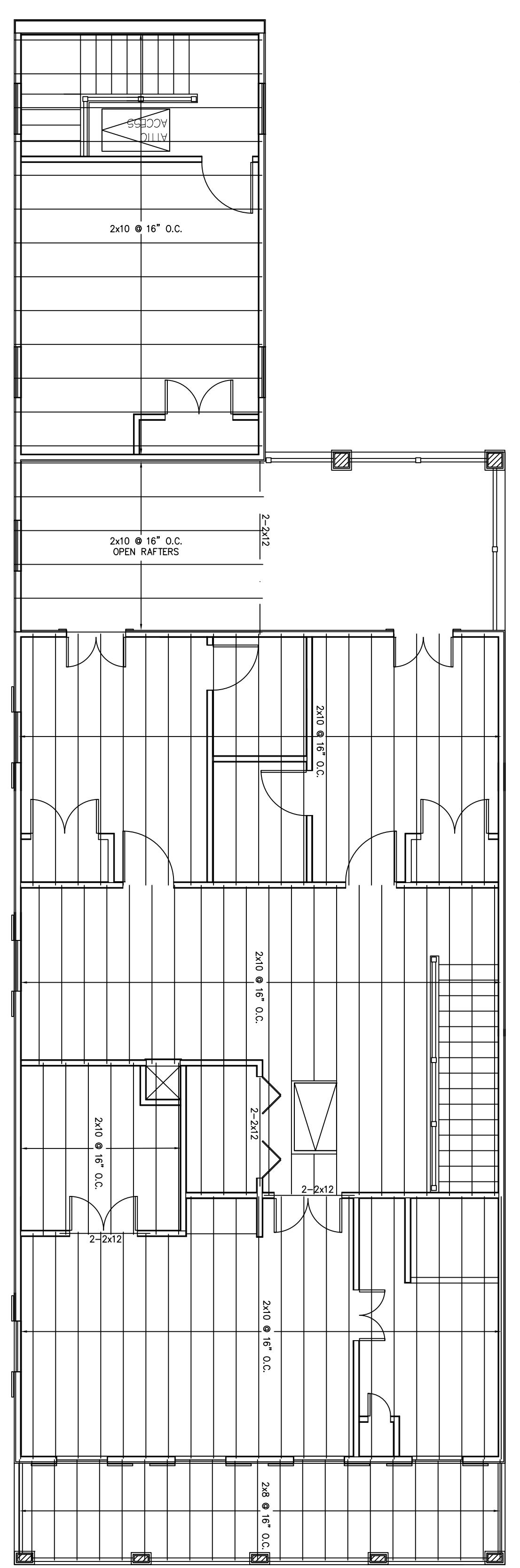
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SECOND FLOOR FRAMING PLAN

SCALE: 3/16" = 1'-0"



ATTIC FLOOR FRAMING PLAN

SCALE: 3/16" = 1'-0"

HOUSE FRAMING LEGEND

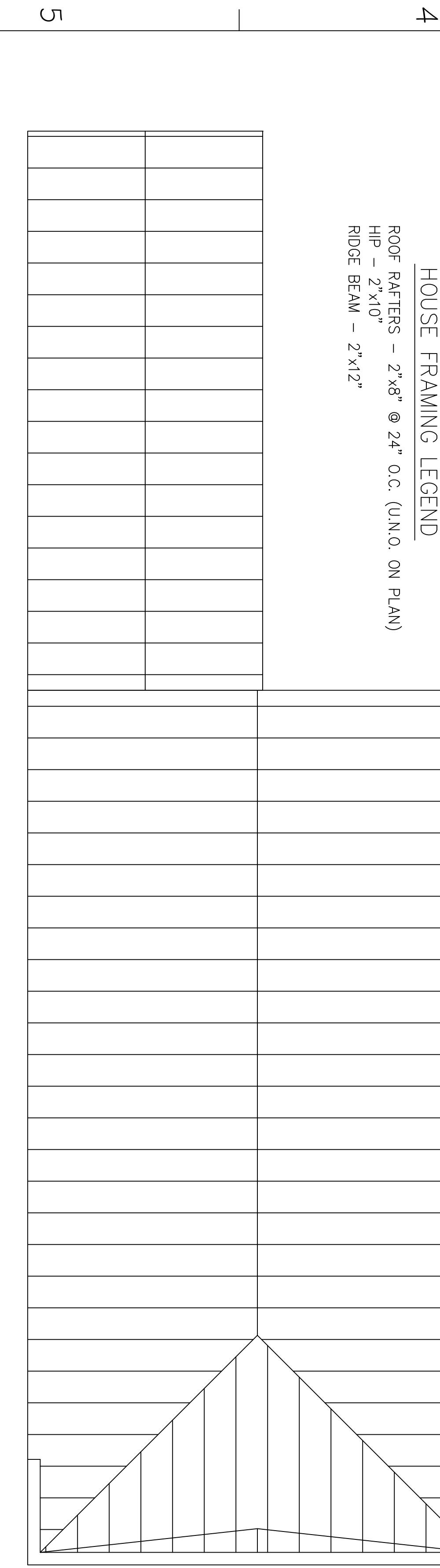
ROOF RAFTERS - 2"x8" @ 24" O.C. (UNO. ON PLAN)
 HIP - 2"x10"
 RIDGE BEAM - 2"x12"

1531 URSULINES AVE.
 NEW CONSTRUCTION

1531 URSULINES AVENUE, NEW ORLEANS, LA



MAILED F. AL. GHARABY
 LICENSE NO. 41109
 02-05-2009
 PROFESSIONAL ENGINEER



ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

5

A

B

C

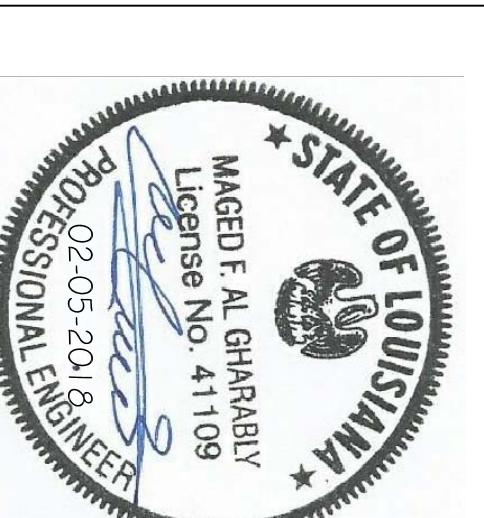
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F1

SHEET NO.:



1531 URSULINES AVE. NEW CONSTRUCTION

NEW CONSTRUCTION

1521 LUDWIG AVENUE, NEW ORLEANS, LA

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INTERIOR WALL SECTION

TYP. WINDOW OPENING DETAIL

(SEE

RIZO
EDGE

NOTE:
IF SHEATHING APPLIED HORIZON-
BLOCK UNSUPPORTED EDGES

Architectural floor plan showing a rectangular room with interior dimensions of 12' 4 1/2" and 1' 4 3/4". The room is labeled '1G'. A north arrow is located in the top right corner. The plan includes a vertical column of dimensions on the left and a horizontal dimension line on the right.

12' 4 1/2"

1' 4 3/4"

1G

12' 4 1/2" +/-

1531 URSULINES AVE.

NEW CONSTRUCTION

1531 URSULINES AVENUE, NEW ORLEANS, LA

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Seal of the State of Louisiana, featuring a central figure and the text 'THE GREAT SEAL OF THE STATE OF LOUISIANA' around the border. Below the seal, the text reads 'MAGED F. AL GHARABLY' and 'LICENSE NO. 41109'.

LEOPARD ENGINEERING

PERMIT# 6577-0028

A

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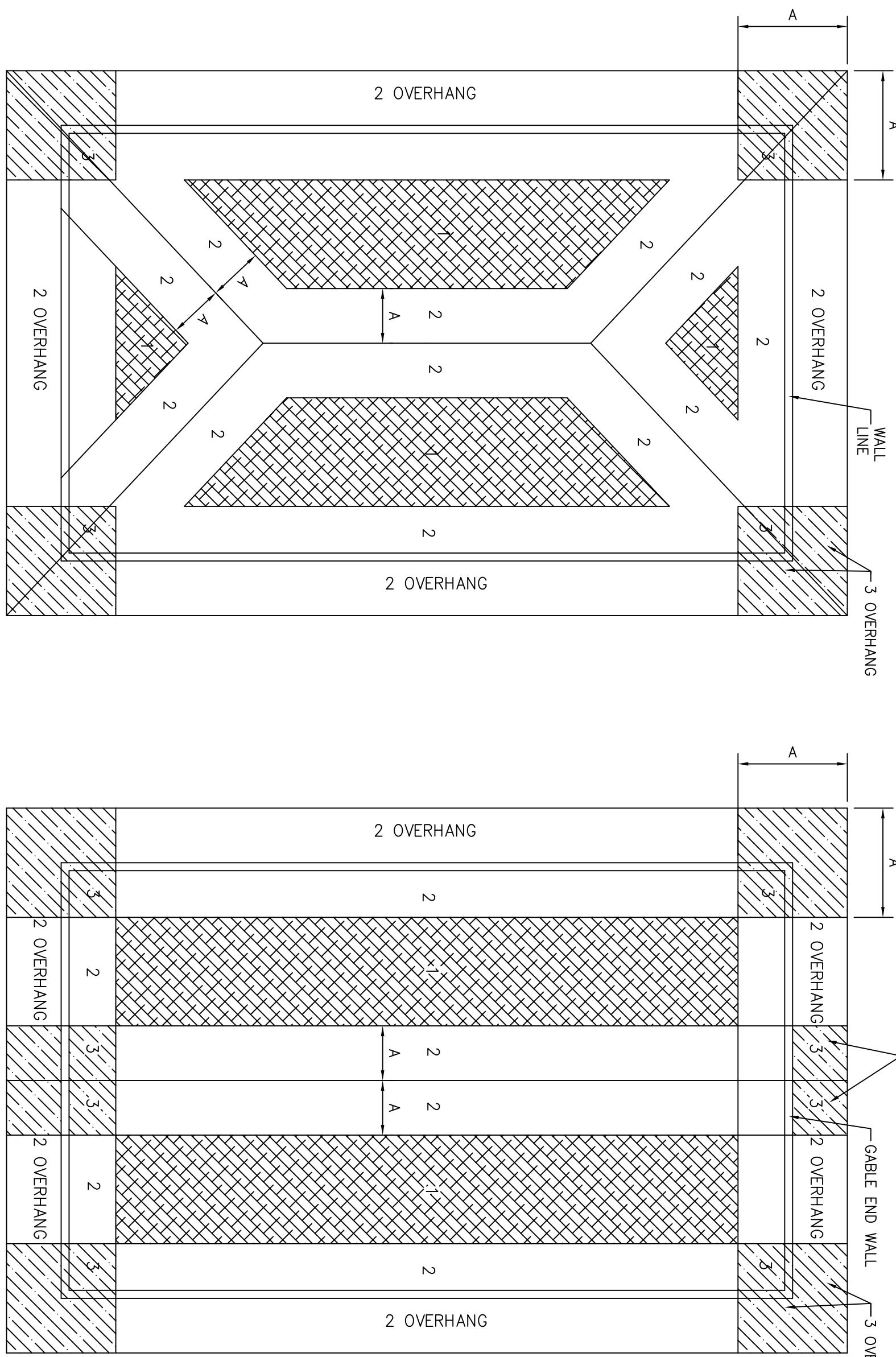
E

F

ROOF SHEATHING FASTENING SCHEDULE

80 COMMON (0.13X 24") OR RING SHANK (0.135x24")
EXCEPT WHERE NOTED, EXPOSURE B, ENCLOSED BUILDING, ROOF FRAMING
SPACED 24" OR LESS

WIND VELOCITY (3 SEC. GUST)	ROOF FASTENING ZONE		
	MAIN ROOF 1 2 3	SHEATHING TO GABLE END WALL FRAMING 2	OVERHANG (EAVES) 3
150 MPH	SUPPORTED PANEL AND EDGES 6 6 6	3 (100 RING SHANK)	6 6
120 MPH	SUPPORTED PANEL AND EDGES 6 6 6	3	6 6
	PANEL FIELD 6 4 3		6 4
	PANEL FIELD 6 4 3		6 4



HIP ROOF

DISTANCE "A" = 4 FEET IN MOST CASES, 10% OF LEAST BUILDING WIDTH OR 4% OF LEAST BUILDING HEIGHT, WHICHEVER IS SMALLER, BUT NOT LESS THAN 4% OF LEAST BUILDING WIDTH OR 3 FEET.

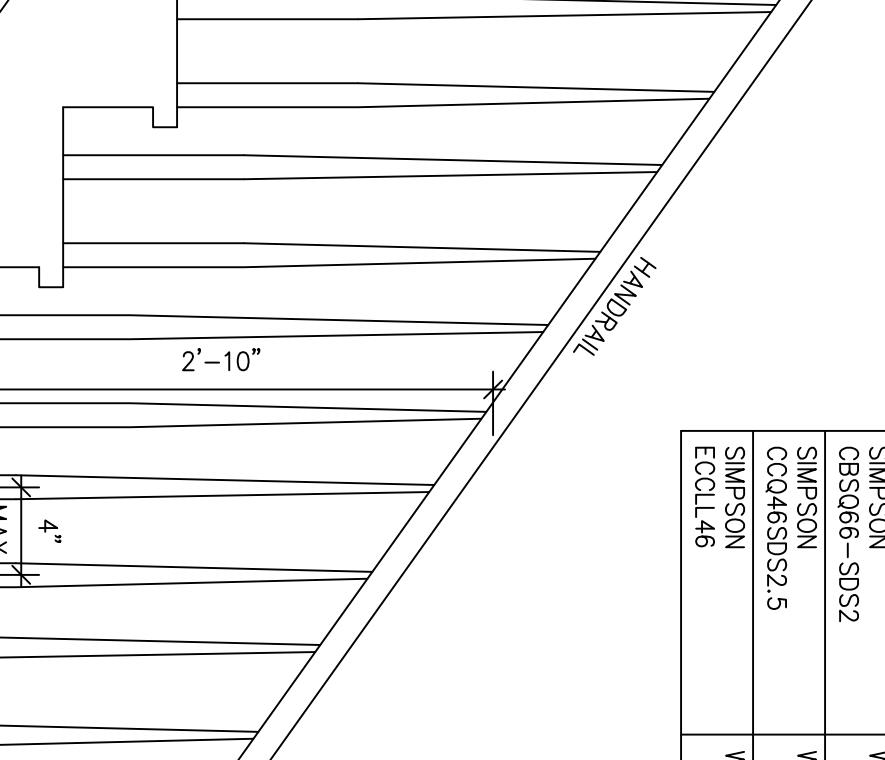
ROOF SHEATHING FASTENING ZONES

THERMAL COMPONENT CRITERIA (U-FACTOR AND R-VALUE)					
MAX. GLAZING U-FACTOR	MINIMUM INSULATION R-VALUE				
	CEILINGS	WALLS	FLOORS	BASEMENT WALLS	CRAWL SPACE WALLS
.75	R-26	R-13	R-11	R-5	R-5

GABLE ROOF

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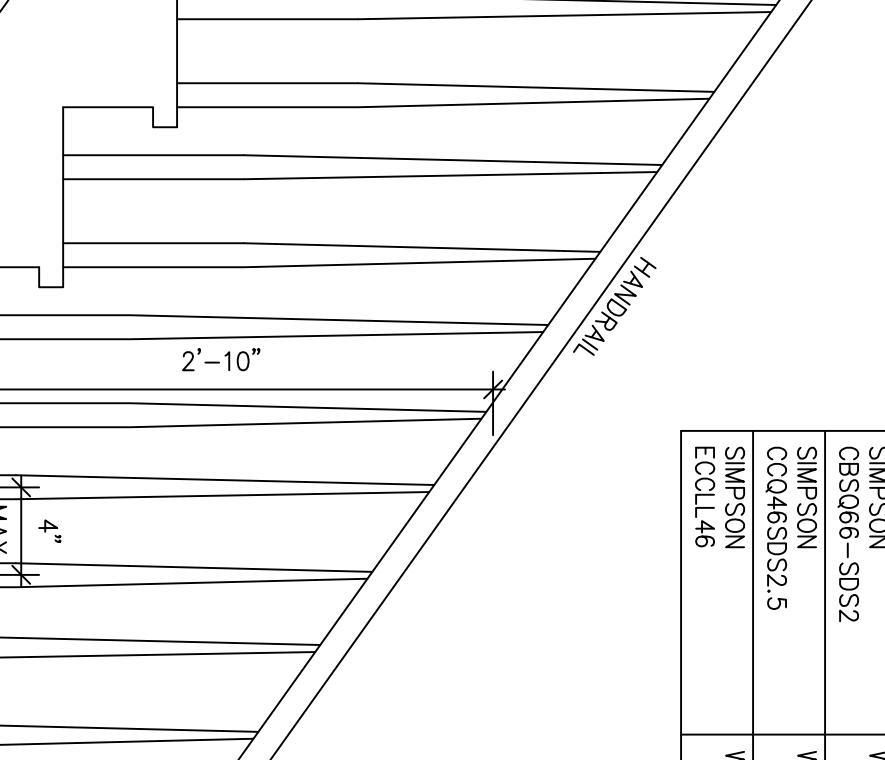
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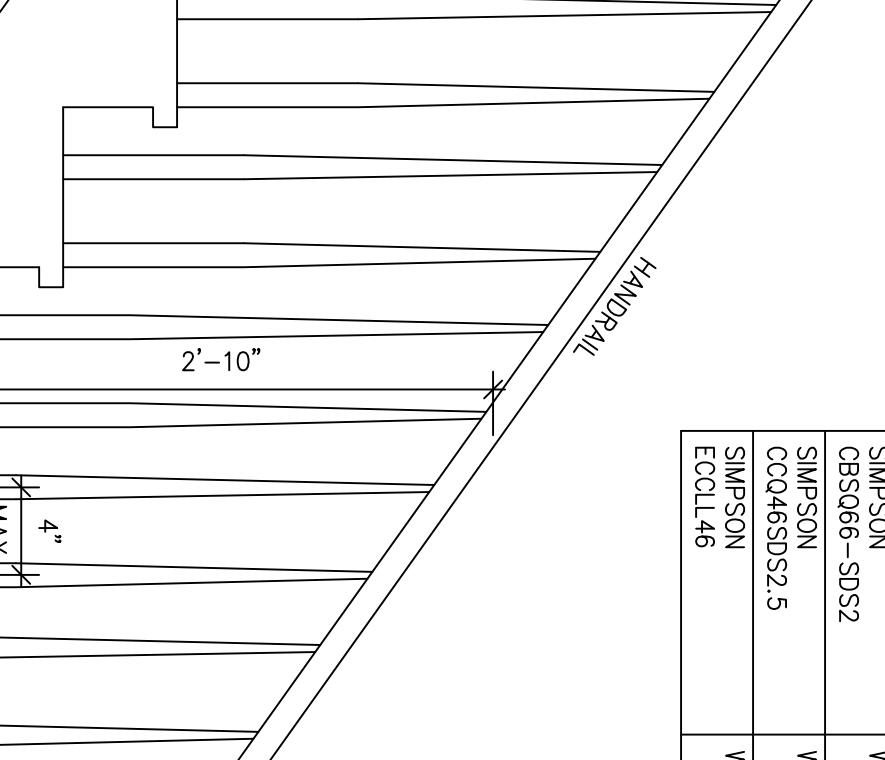
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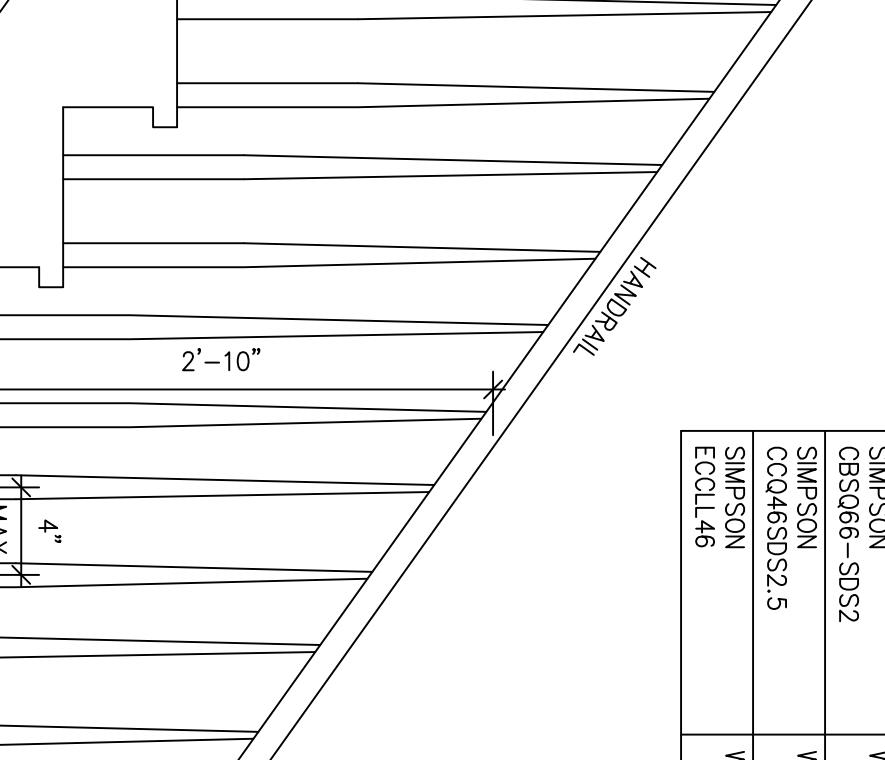
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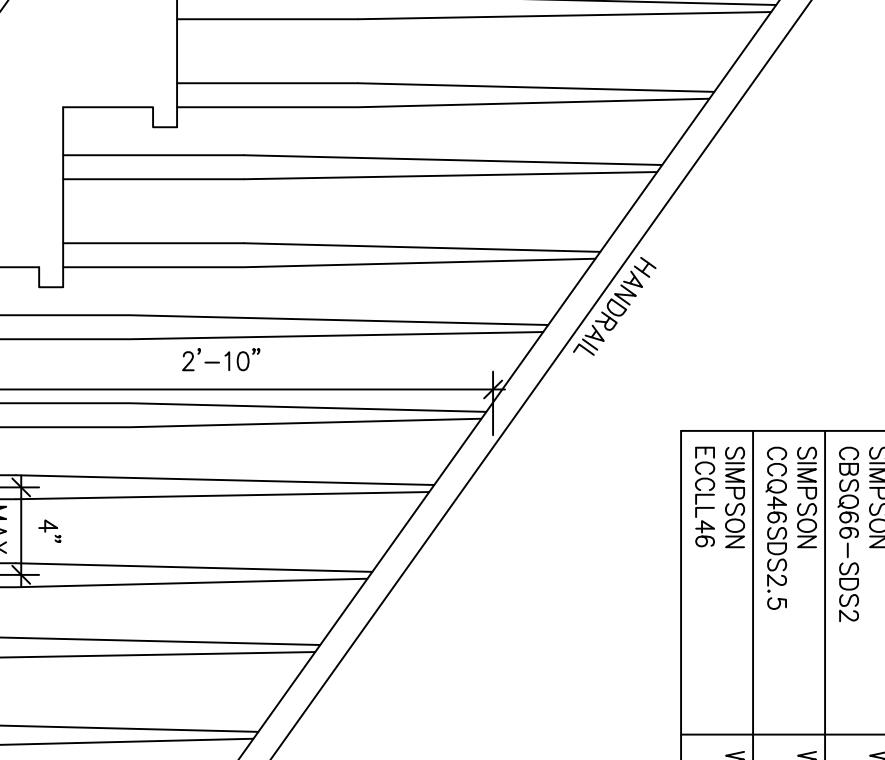
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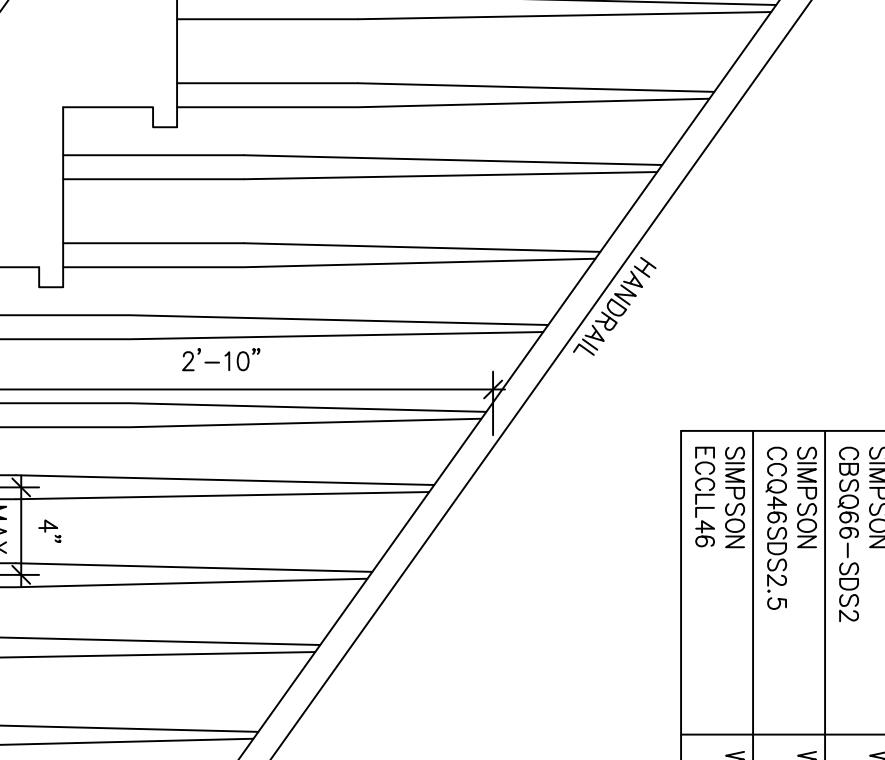
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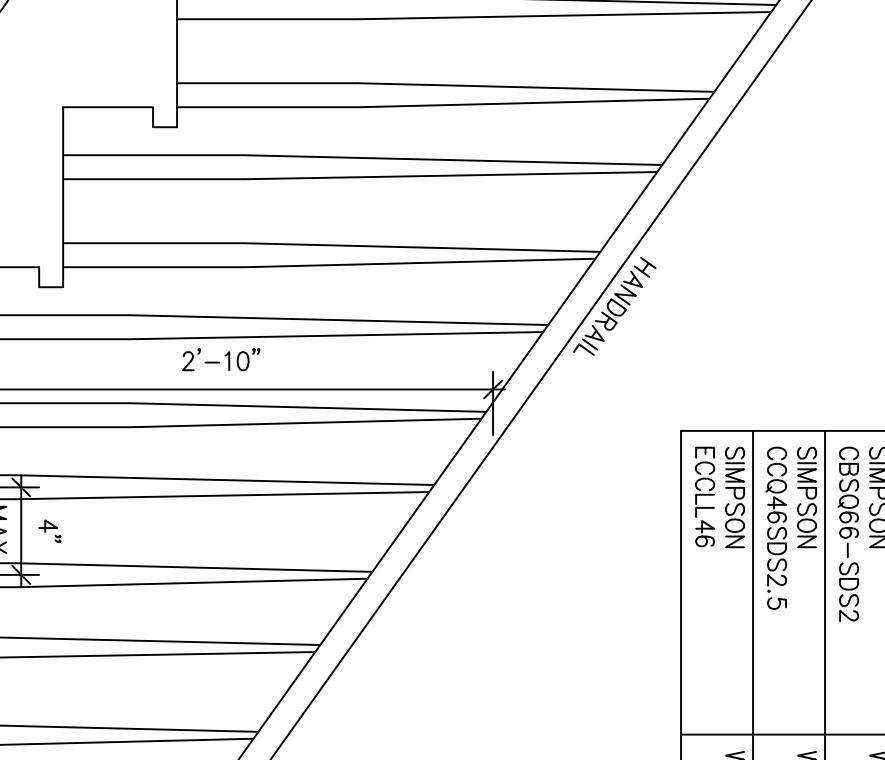
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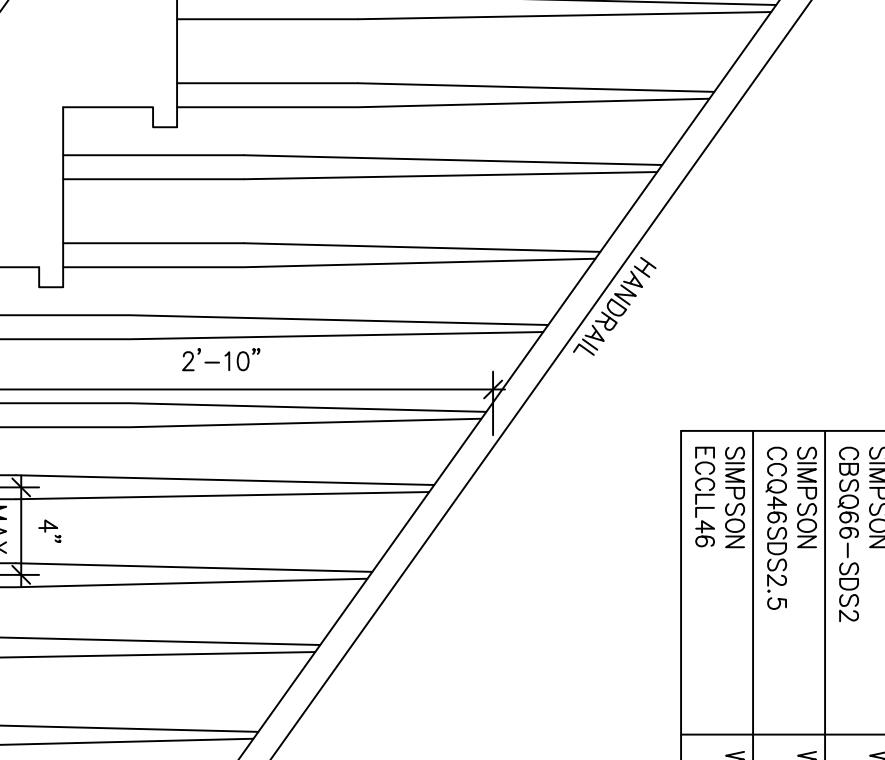
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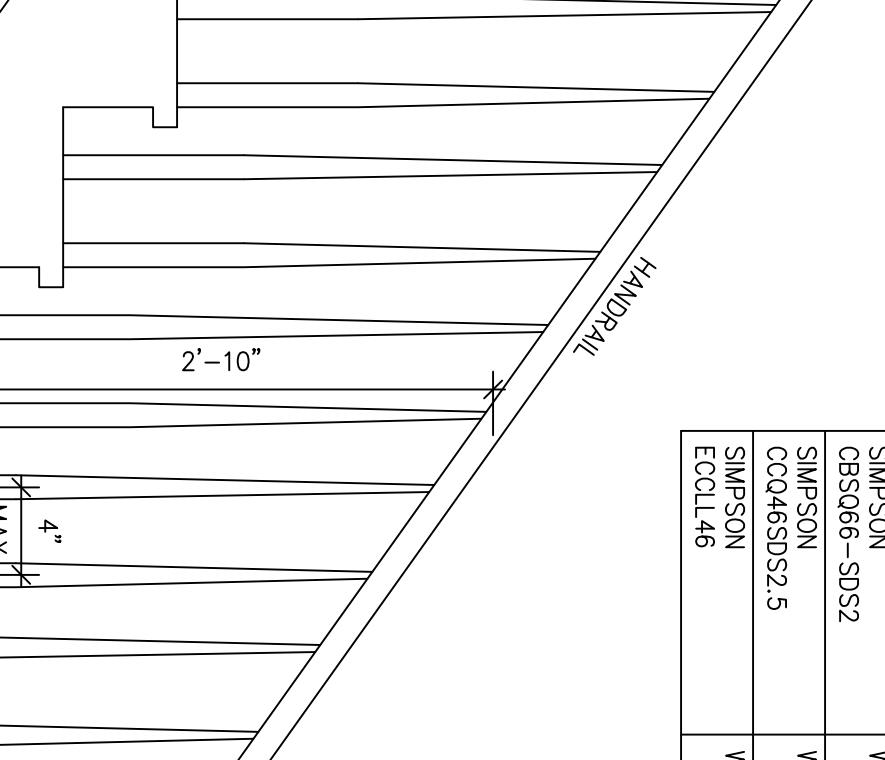
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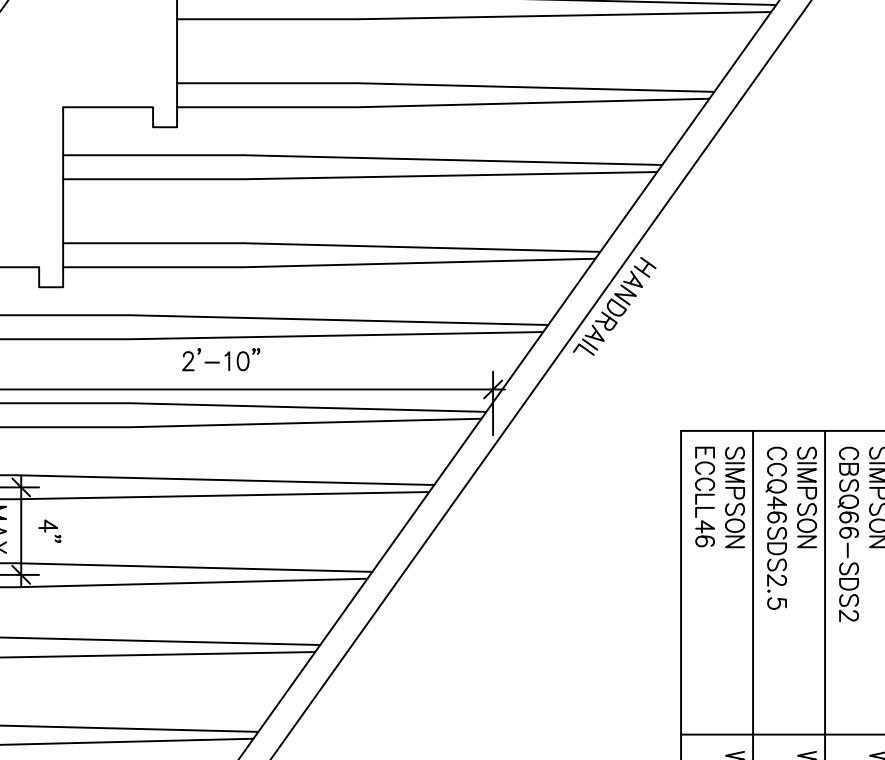
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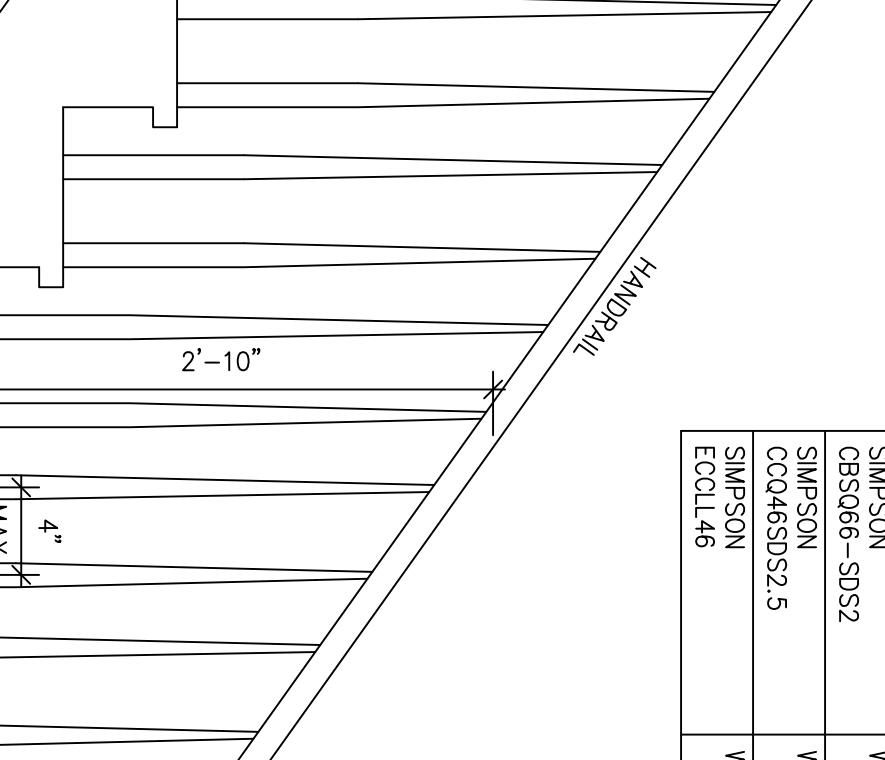
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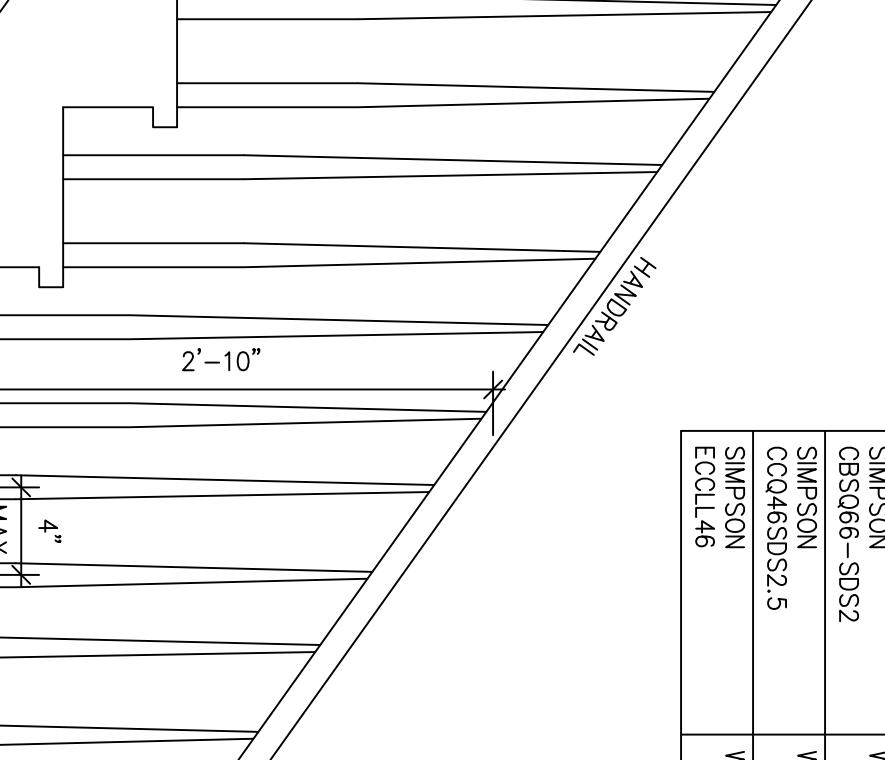
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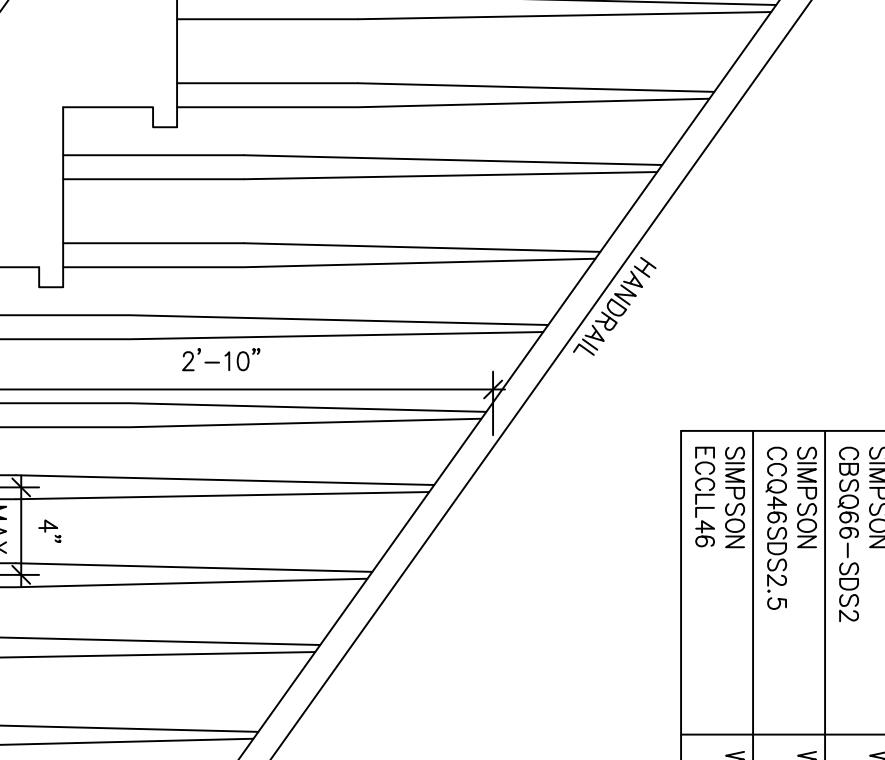
ROOF SHEATHING FASTENING ZONES



GABLE ROOF

DISTANCE "A" = 4 FEET IN MOST CASES, 10% OF LEAST BUILDING WIDTH OR 4% OF LEAST BUILDING HEIGHT, WHICHEVER IS SMALLER, BUT NOT LESS THAN 4% OF LEAST BUILDING WIDTH OR 3 FEET.

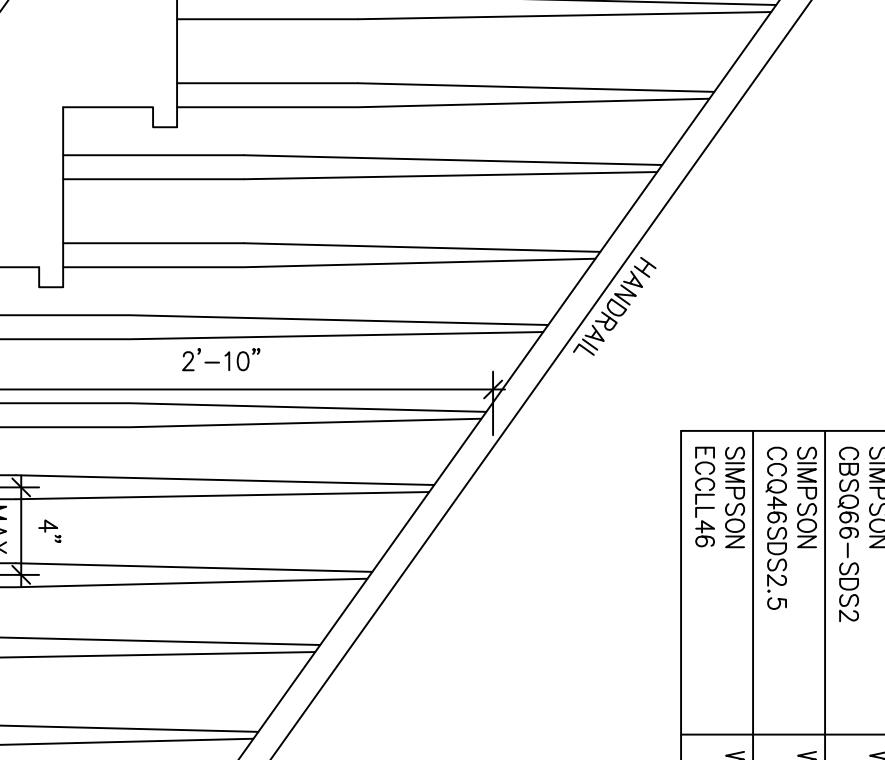
ROOF SHEATHING FASTENING ZONES



HIP ROOF

DISTANCE "A" = 4 FEET IN MOST CASES, 10% OF LEAST BUILDING WIDTH OR 4% OF LEAST BUILDING HEIGHT, WHICHEVER IS SMALLER, BUT NOT LESS THAN 4% OF LEAST BUILDING WIDTH OR 3 FEET.

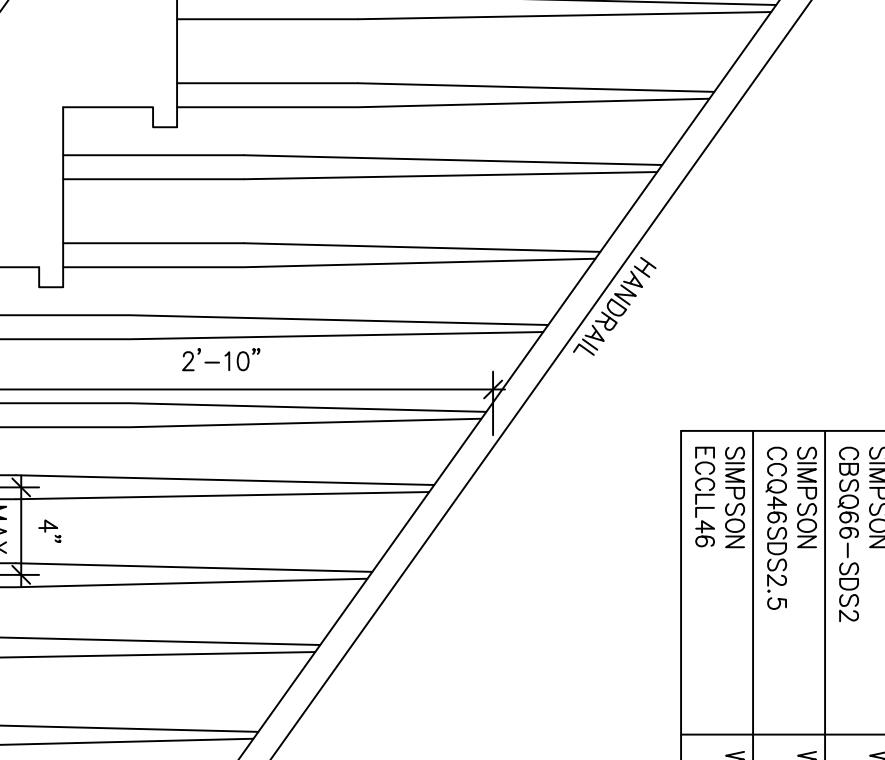
ROOF SHEATHING FASTENING ZONES



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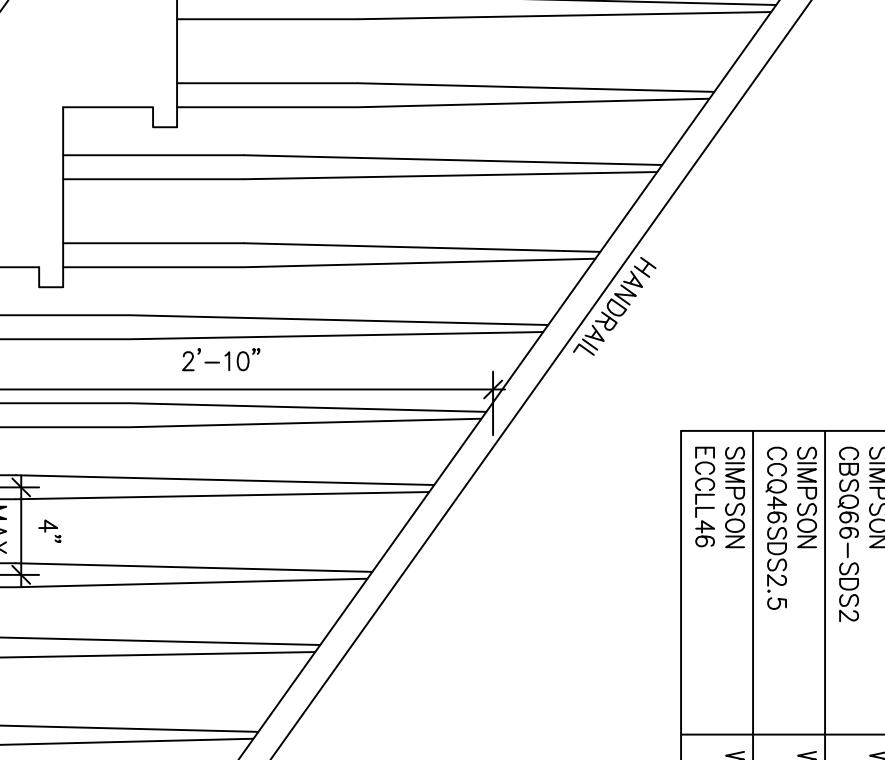
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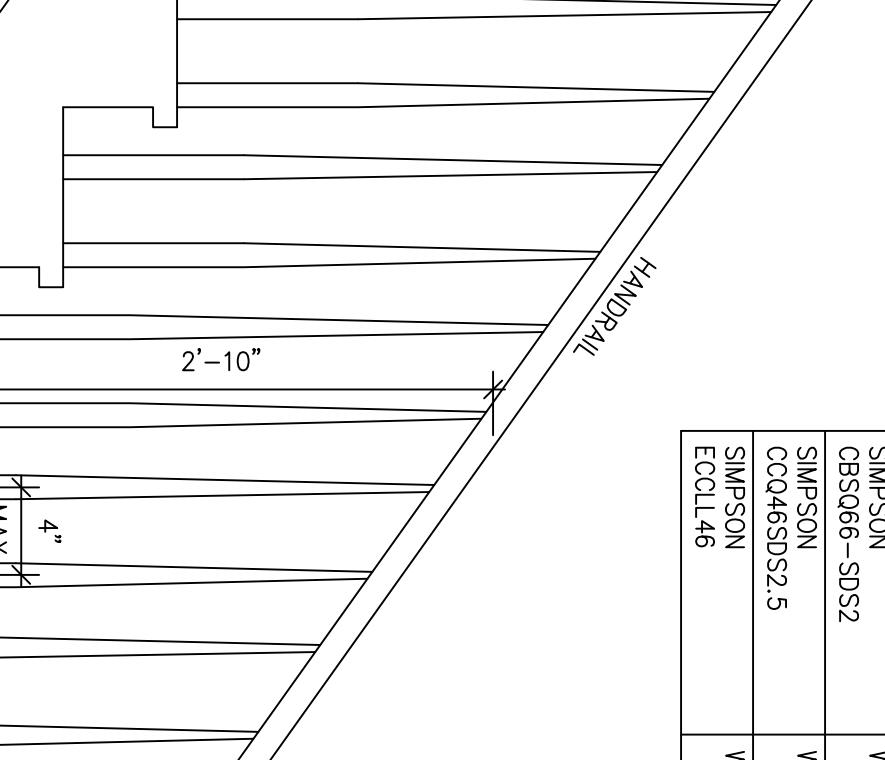
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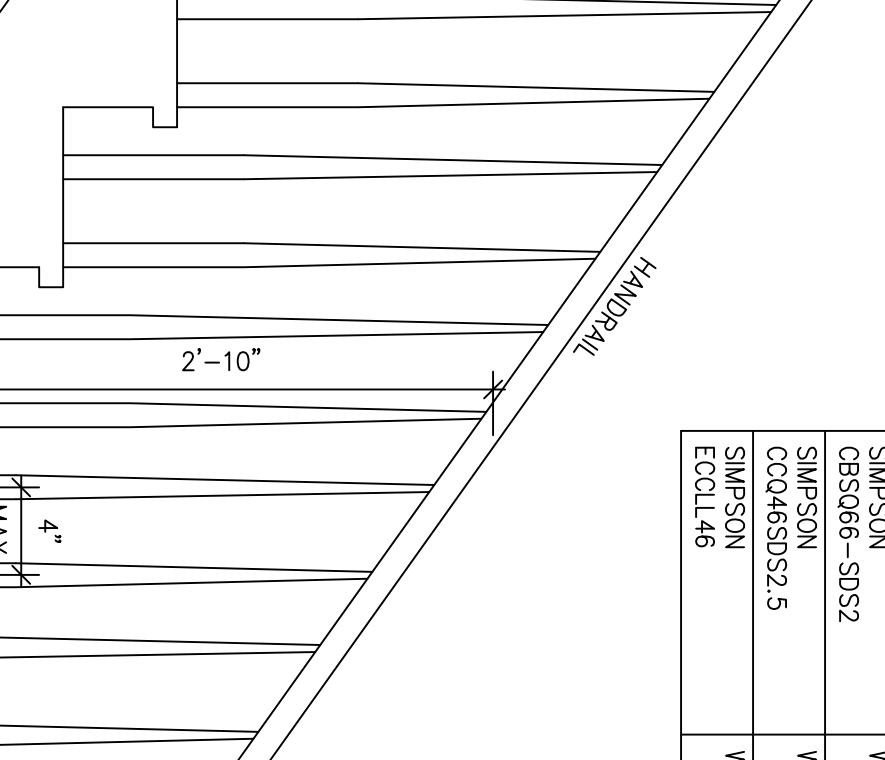
ROOF SHEATHING FASTENING ZONES



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ROOF SHEATHING FASTENING ZONES



A

B

C

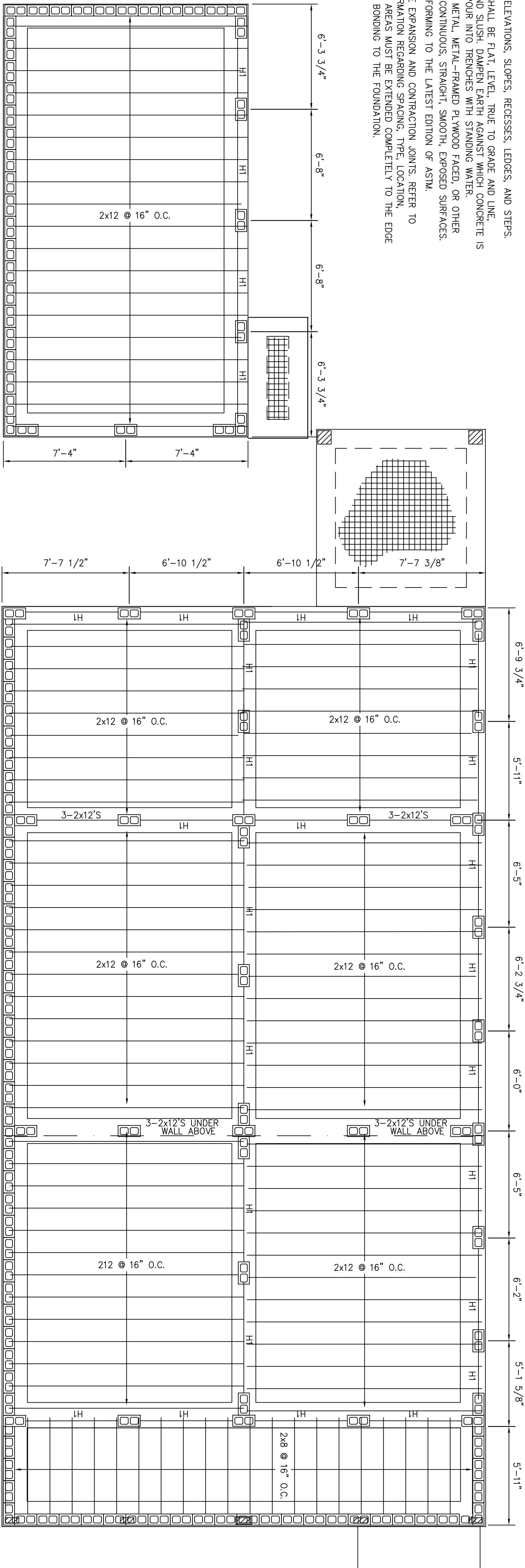
D

E

F

PIER / FLOOR FRAMING PLAN

SCALE: 3/16" = 1'-0"



5

4

3

2

A

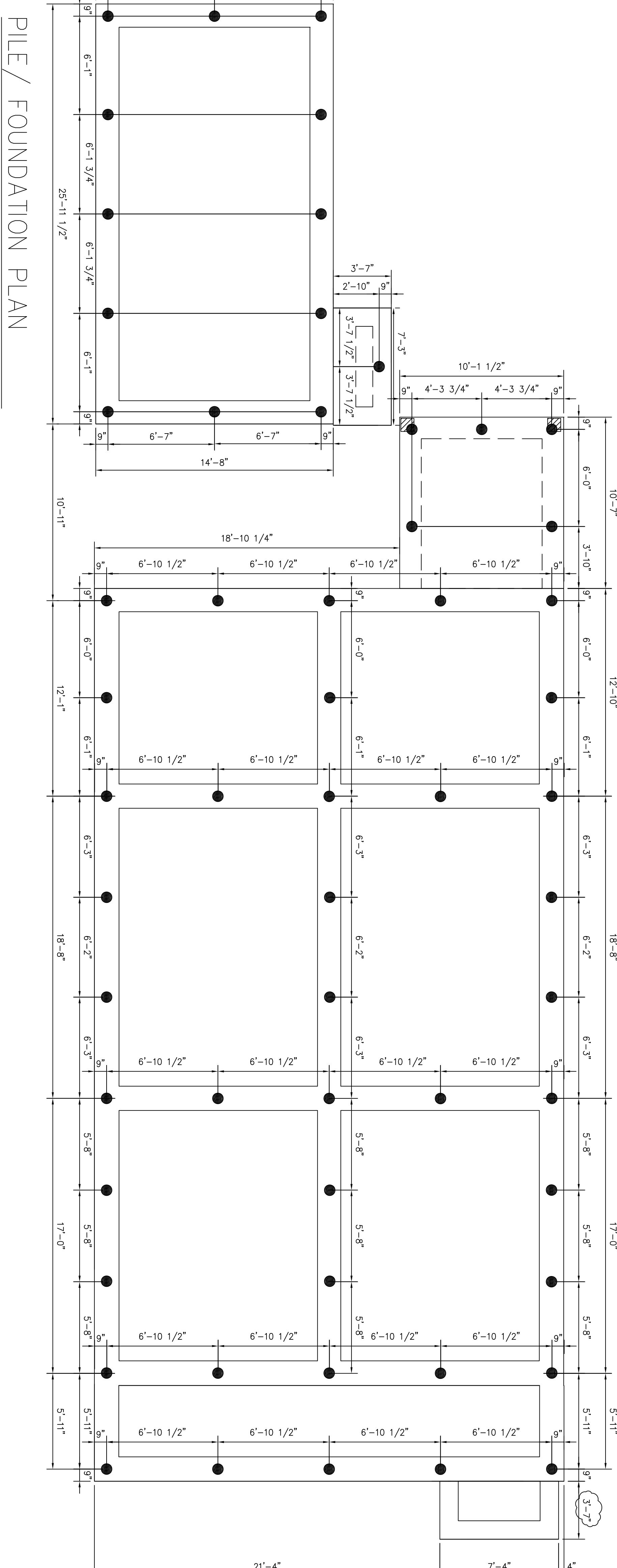
B

C

D

E

F



CONCRETE NOTES

1. THE CONCRETE DESIGN IS BASED UPON CONCRETE MIX **SCAFC: 7 1/4" Min. 10" Comp. Strength of 3000 psi** AT 28 DAYS. CONCRETE DESIGN MAY SHALL BE IN ACCORDANCE WITH ACI-318 (LATEST VERSION). NO CHLORIDES SHALL BE ALLOWED.
2. LAPS, SPLICES, TIERS, AND EMBEDMENT LENGTHS FOR REINFORCING STEEL SHALL BE IN ACCORDANCE WITH A.C.I. MANUAL OF PRACTICE, DETAILS, AND DETAILED OF CONCRETE REINFORCEMENT, A.C.I. 318, A.C.I. 315, AND IN ACCORDANCE WITH C.R.S.I. STANDARDS. CONCRETE WORK SHALL BE IN STRICT ACCORDANCE WITH A.C.I. STANDARD SPECIFICATION FOR CONCRETE AND REINFORCED CONCRETE.
3. CONCRETE EMBEDMENT LENGTH SHALL CONFORM TO A.C.I. 307 AND A.C.I. 318.
4. CLEAR DISTANCE BETWEEN ADJACENT LAYERS OF REINFORCEMENT SHALL BE 2 INCHES MINIMUM UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL BE ALLOWED TO MAKE SPLICES IN ADDITION TO THOSE INDICATED ON THE DRAWINGS WHERE ESSENTIAL TO CONSTRUCTABILITY, SUBJECT TO ENGINEER'S APPROVAL.
6. SUBJECT TO ENGINEER'S APPROVAL, BARS MAY BE SHIFTED SLIGHTLY IN THE FIELD WHERE NECESSARY TO AVOID OPENINGS, PIPES, EMBEDDED ITEMS, OR OTHER OBSTRUCTIONS.
7. HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH A.C.I. 318.
8. PLACEMENT CLEARANCES AND MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH A.C.I. 318.
9. SEE ARCHITECTURAL DRAWINGS FOR TOP-OF-SLAB ELEVATIONS, SLOPES, RECESSES, LEDGES, AND STEPS.
10. BOTTOMS OF EXCAVATIONS AND EARTHEN FORMS SHALL BE FLAT, LEVEL, TRUE TO GRADE AND LUMPS AND COMPLETELY FREE OF LOOSE DIRT, DEBRIS, AND SLUSH. DAMPEN EARTH AGAINST WHICH CONCRETE IS POURED JUST PRIOR TO THE POUR, BUT DO NOT POUR INTO TRENCHES WITH STANDING WATER.
11. FORMS FOR EXPOSED FINISH CONCRETE, PLYWOOD, METAL, METAL-FRAMED PLYWOOD FACED, OR OTHER ACCEPTABLE PANEL-TYPE MATERIALS TO PROVIDE CONTINUOUS, STRAIGHT, SMOOTH, EXPOSED SURFACES.
12. REINFORCING STEEL SHALL BE GRADE 60 BAR CONFORMING TO THE LATEST EDITION OF ASTM.
13. EXTERIOR BRICK AND OR MASONRY WALLS TO HAVE EXPANSION AND CONTRACTION JOINTS. REFER TO ARCHITECTURAL DETAILS FOR LOCATIONS AND INFORMATION REGARDING SPACING, TYPE, LOCATION, INSTALLATION, AND MAINTENANCE. BRICK FLASHING AREAS MUST BE EXTENDED COMPLETELY TO THE EDGE OF THE CONCRETE IN ALL DIRECTIONS TO PREVENT BONDING TO THE FOUNDATION.

GENERAL NOTES

1. THIS PLAN IS TO BE USED ONLY FOR THE LOCATION INDICATED ON THE TITLE BLOCK.
2. BEAM DIMENSIONS SHOWN ARE MINIMUM REQUIRED AND MAY NOT BE REDUCED, NOR ENLARGED WITHOUT APPROVAL OF THE ENGINEER.
3. SLAB SUPERVISION IS PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED IN WRITING ON THIS PLAN. SLAB INSPECTIONS AFTER CONSTRUCTION WILL BE BILLED AT HOURLY RATES IF REQUESTED.
4. TOP OF SLAB ELEVATION IS FOR REFERENCE ONLY. CONTRACTOR TO VERIFY REQUIRED TOP OF SLAB ELEVATION WITH SURVEYOR PRIOR TO SETTING FORMS.

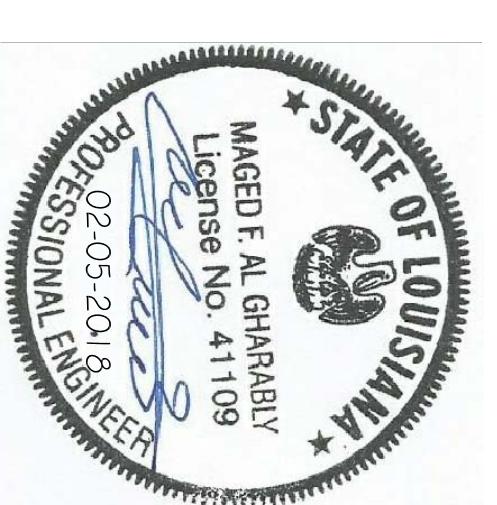
PILE NOTES

1. OWNER SHALL OBTAIN A PILE LOAD TEST TO VERIFY PILE CAPACITY. PROVIDE TEST RESULTS TO ENGINEER OF RECORD. FAILURE TO PROVIDE GEOTECHNICAL REPORT OR PILE LOAD TEST SHALL HOLD STRUCTURAL ENGINEER HARMLESS IN THE EVENT OF DIFFERENTIAL SETTLEMENT.
2. ASTM D25 TREATED PILE, 40' LONG - DRIVEN TO REFUSAL (25 BLOWS PER FOOT FOR ONE FOOT USING A 15,000 LB. DROP HAMMER.)
3. 8" BULL, 6" TIP.
4. 4 TON DESIGN LOAD

LEOPARD ENGINEERING
PLEASE BE ADVISED THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION BEING A PROFESSIONAL ENGINEER, AND I TAKE FULL RESPONSIBILITY FOR THE CONTENTS OF THESE PLANS. THE DESIGN SPECIFICATION COMPLY WITH CITY, PARISH, AND STATE BUILDING CODE REQUIREMENTS. TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS REVIEW DOES NOT ATTEST TO COMPLIANCE WITH ZONING, ENVIRONMENTAL OR SUBSOIL FOUNDATION REQUIREMENTS. I WILL NOT ADMINISTER THE CONSTRUCTION WORK.

1531 URSULINES AVE.
NEW CONSTRUCTION

1531 URSULINES AVENUE, NEW ORLEANS, LA

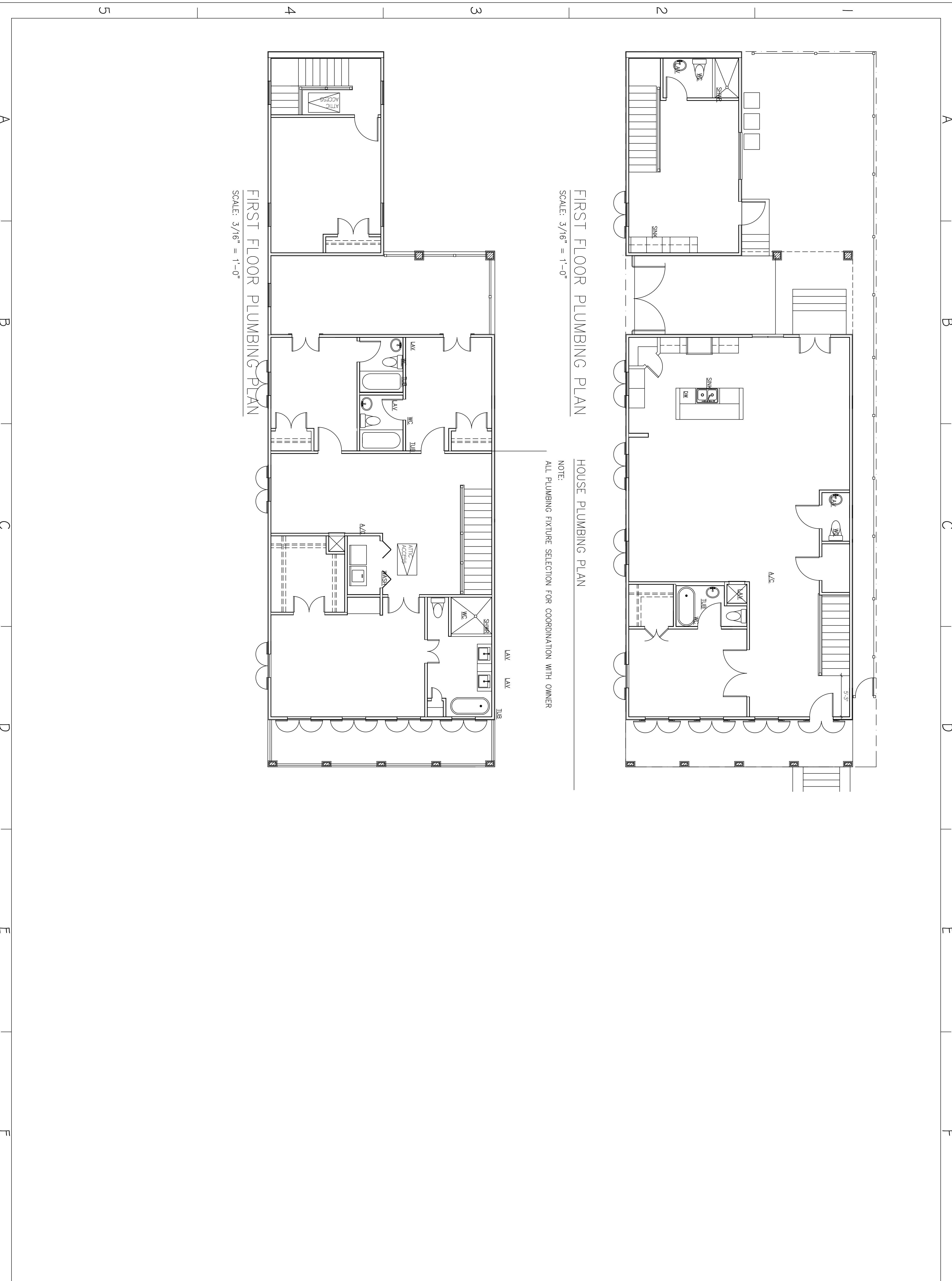


S1

REVIEWED AND APPROVED
REINFORCING: 02-03-2009

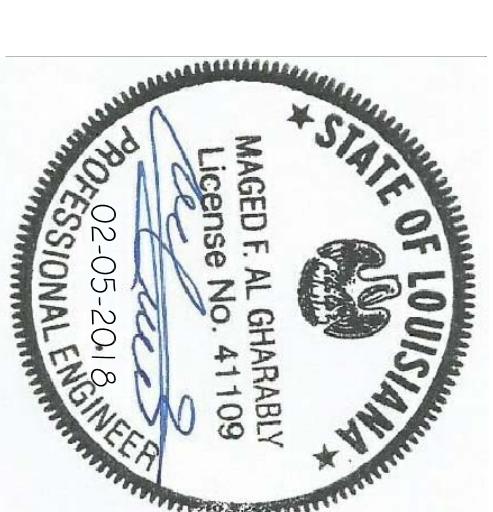
SHEET NO.:

A B C D E F



LEOPARD ENGINEERING

PLEASE BE ADVISED THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION BEING A PROFESSIONAL ENGINEER, AND I TAKE FULL RESPONSIBILITY FOR THE CONTENTS OF THESE PLANS. THE DESIGN SPECIFICATION COMPLY WITH CITY, PARISH, AND STATE BUILDING CODE REQUIREMENTS. TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS REVIEW DOES NOT ATTEST TO COMPLIANCE WITH ZONING, ENVIRONMENTAL OR SUBSOIL FOUNDATION REQUIREMENTS. I WILL NOT ADMINISTER THE CONSTRUCTION WORK.



PERMIT SET - 17-0928

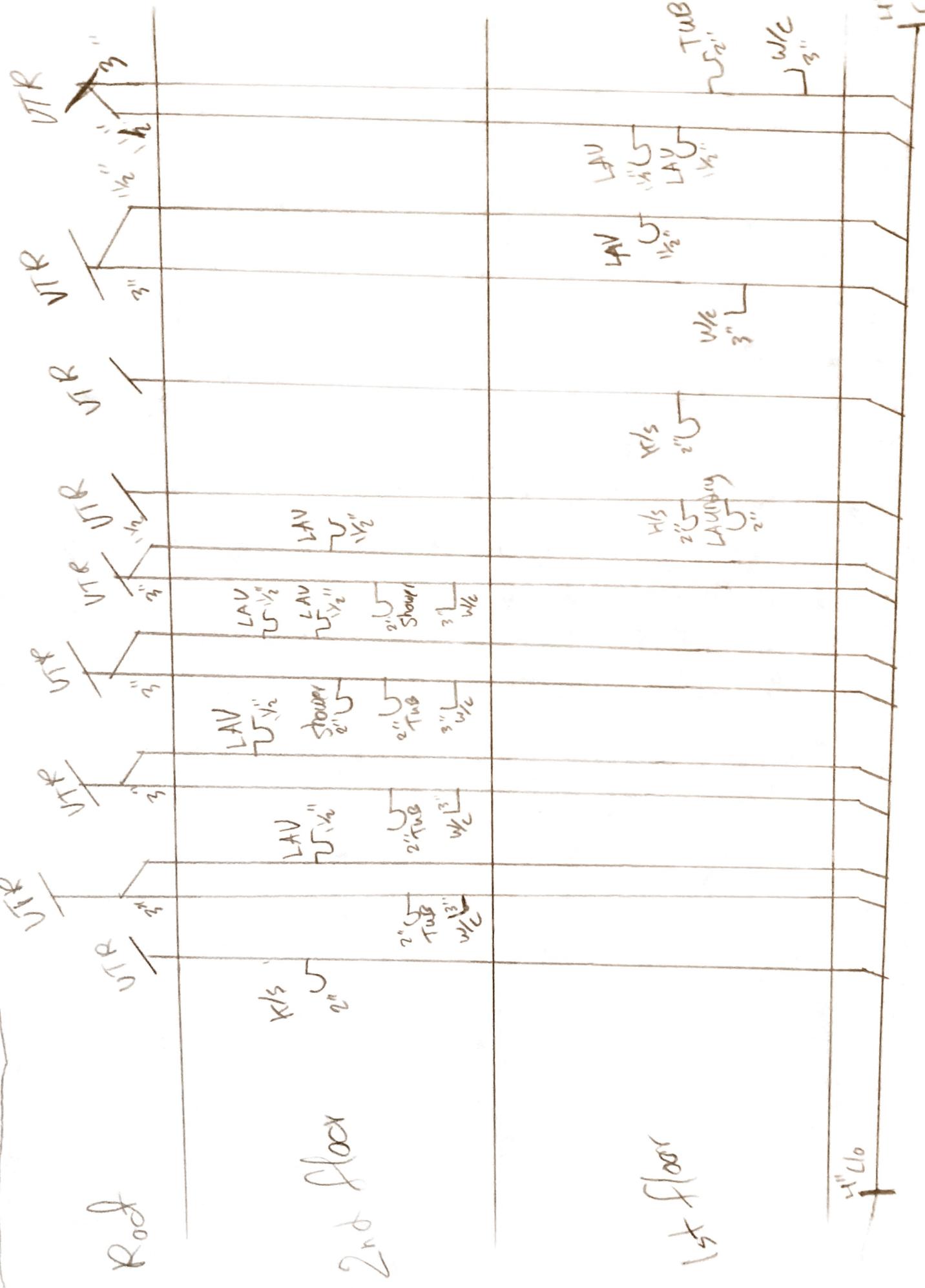
1531 URSULINE AVE.

ISSUE DATE: 02-05-2018

P1

SHEET NO.:

1531 Ursuline Ave | 02-05-2018 | Leopard Engineering



These drawings are published as an information guide only. These CAD drawings are intended as templates to assist the designer. They do not contain the full details required for construction and must be read in conjunction with the installation instructions on www.jameshardie.com. You should obtain architectural, engineering or other technical advice to assess the suitability of these drawings to the requirements of your particular project. James Hardie accepts no liability in respect to the use of these drawings. For fastener specifications and complete installation instructions refer to appropriate documentation at www.jameshardie.com

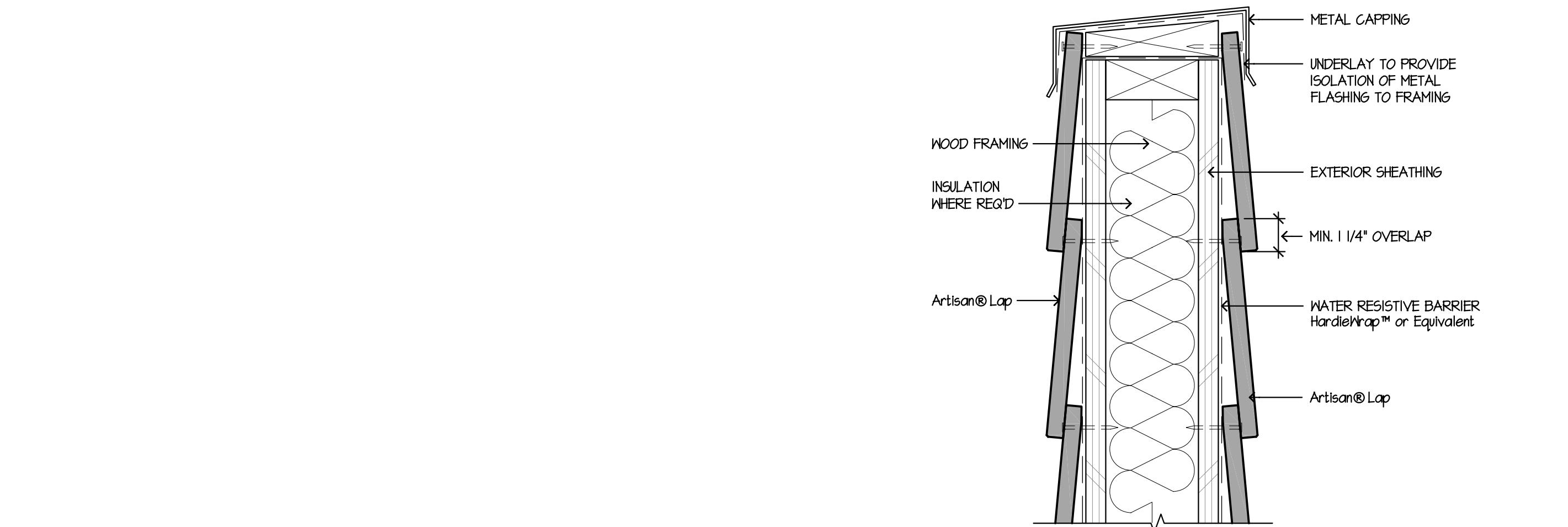
artisan
JamesHardie

Artisan® Lap Siding Details

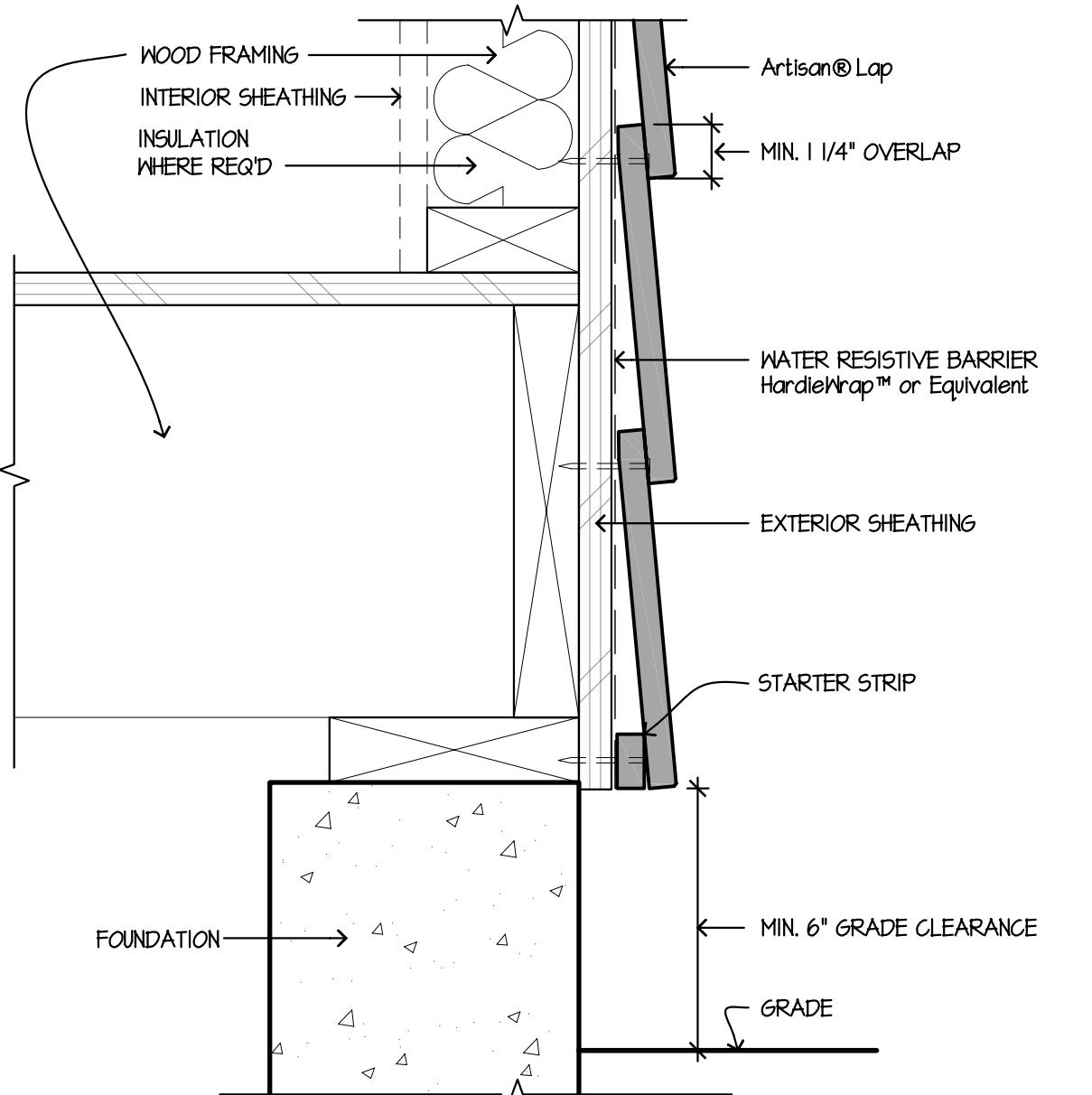
- Wood Framing
- OSB or Plywood Sheathing
- Shown with Siding Nails Blind Fastened into Framing

DRAWN
JamesHardie
CHECKED
JIN
DATE
March 1, 2010
SCALE
AS NOTED
JOB NO.
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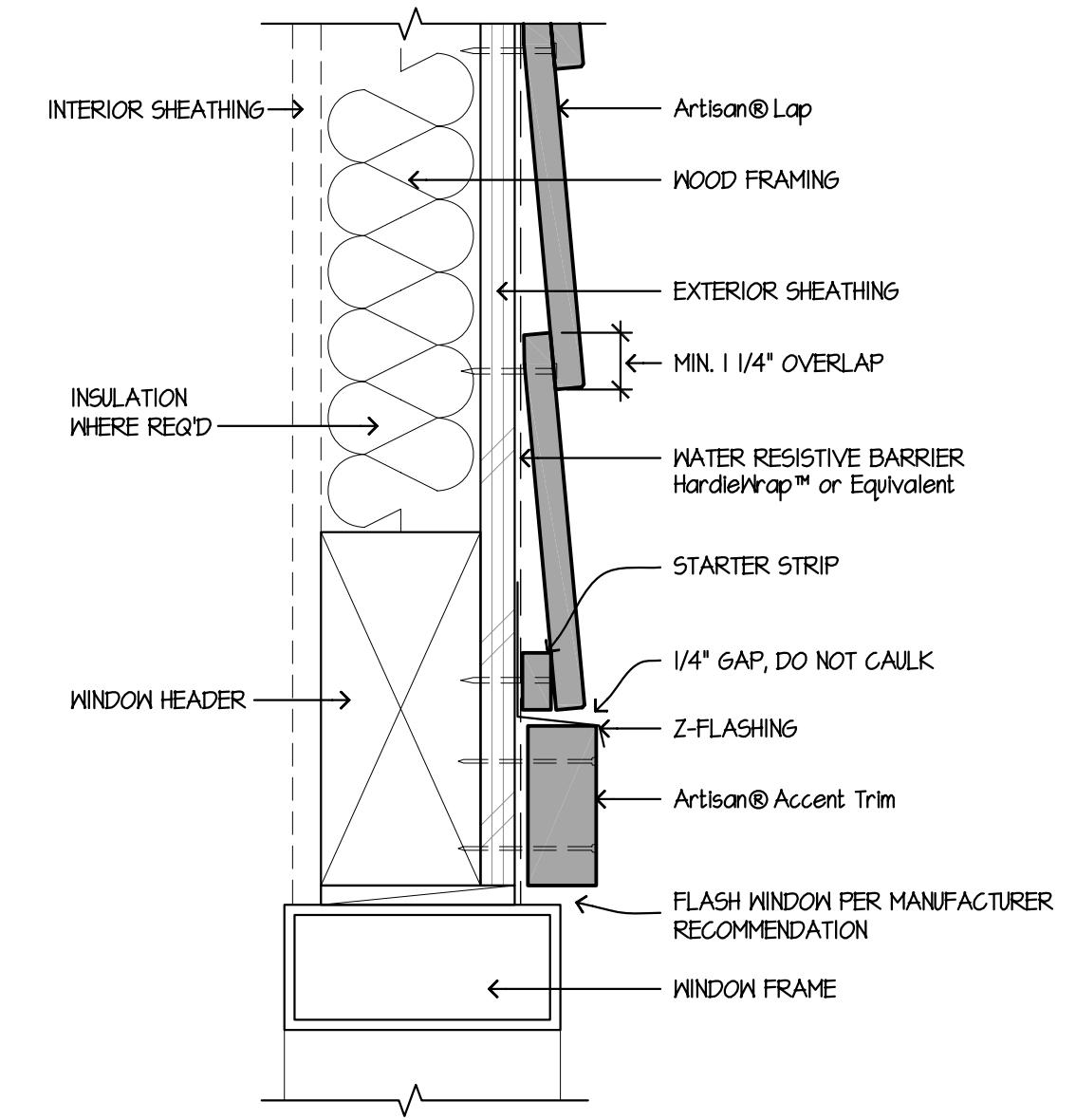
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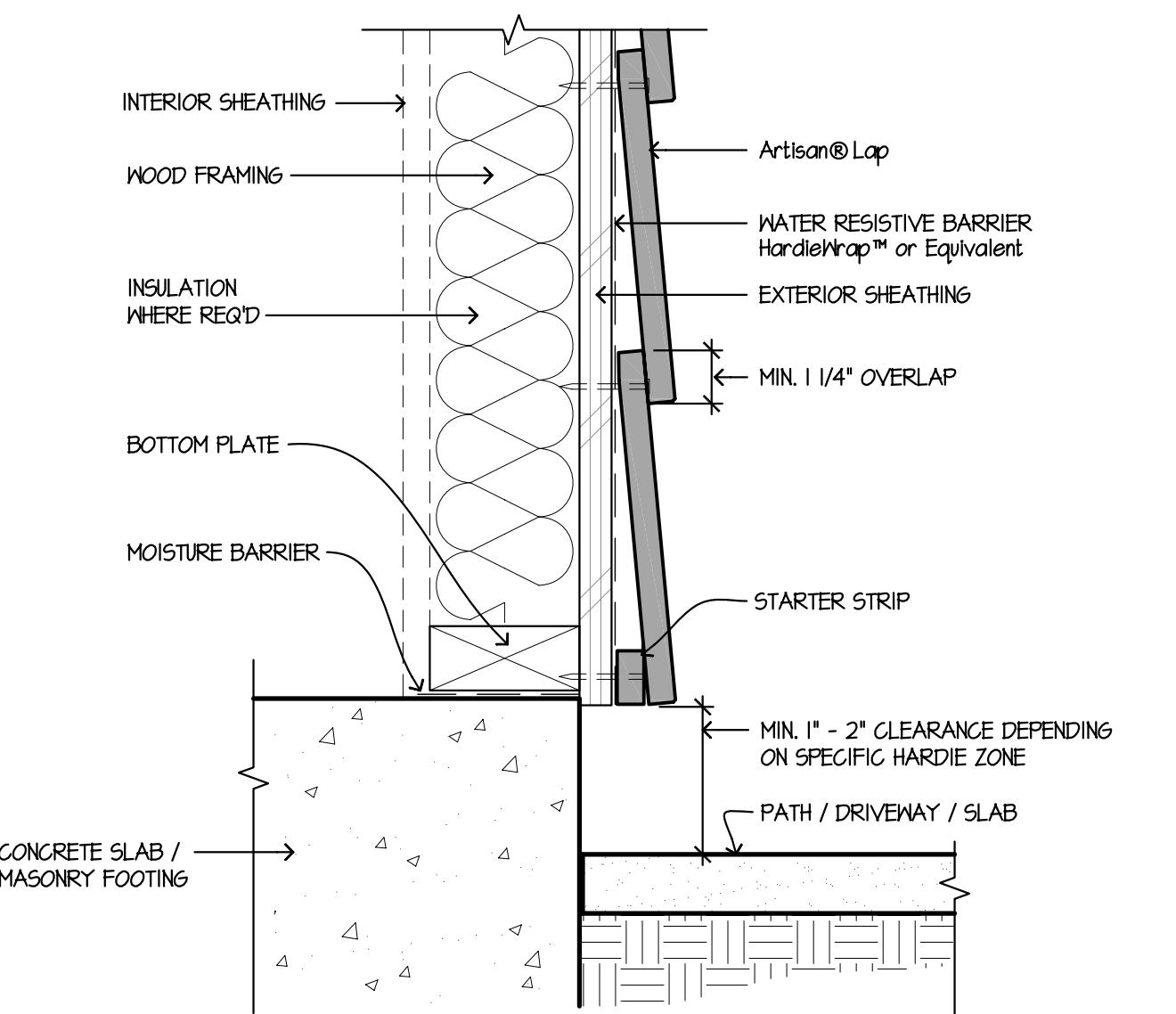
9 PARAPET



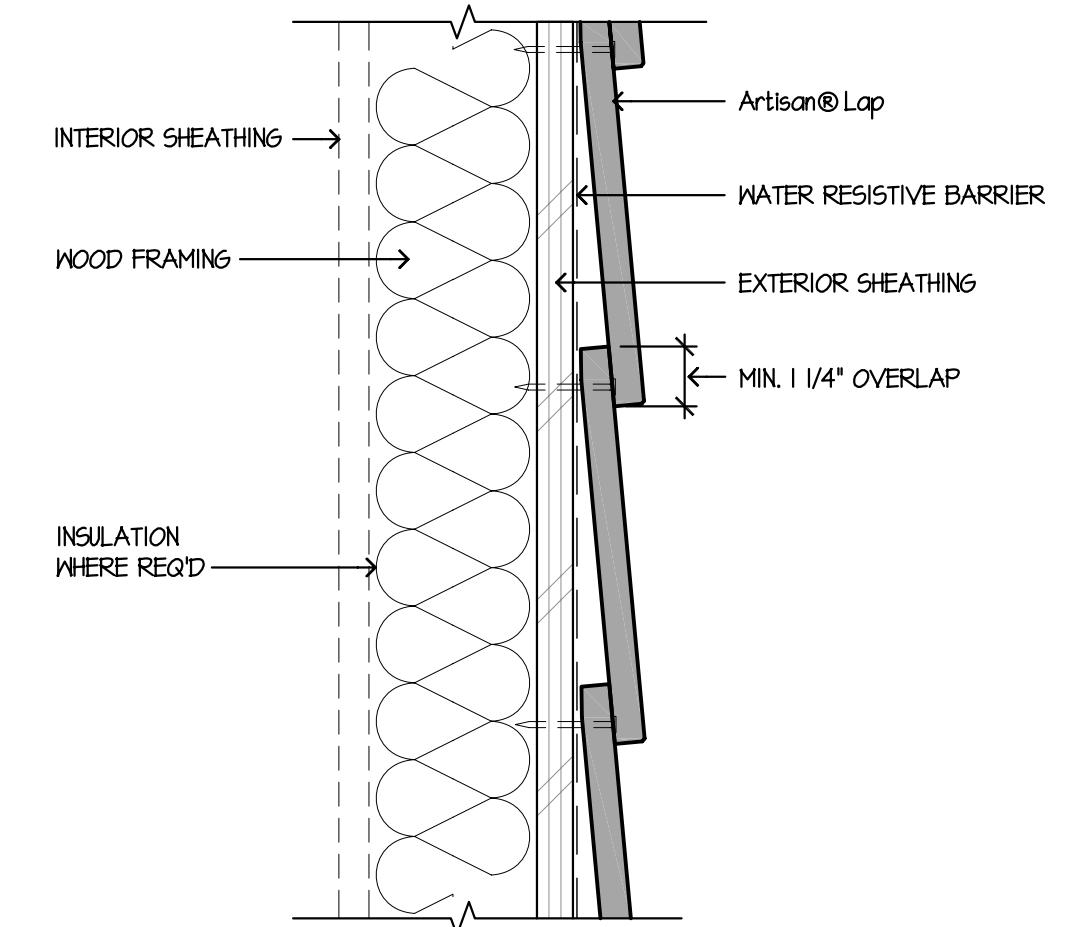
6 GRADE CLEARANCE



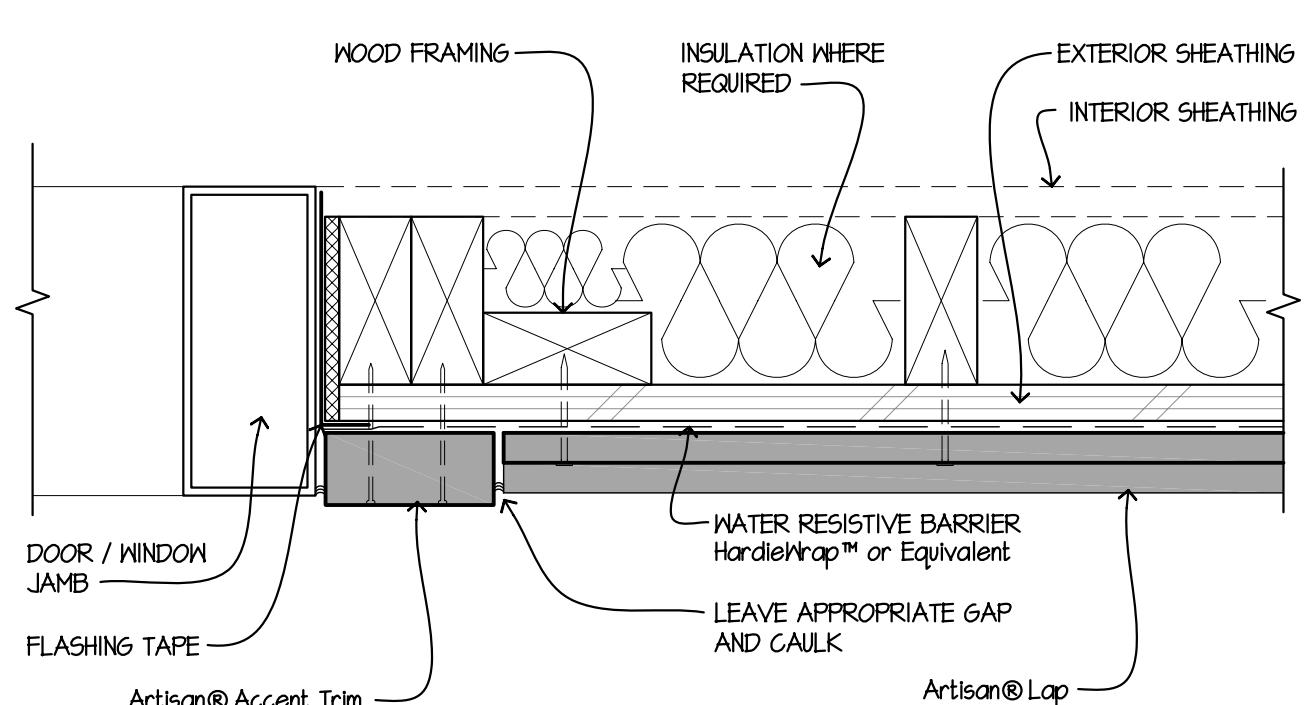
3 WINDOW/DOOR HEAD



8 HARDSCAPE CLEARANCES, DECKS,
PORCHES, PATIOS, WALKWAYS, ROOFS, ETC.



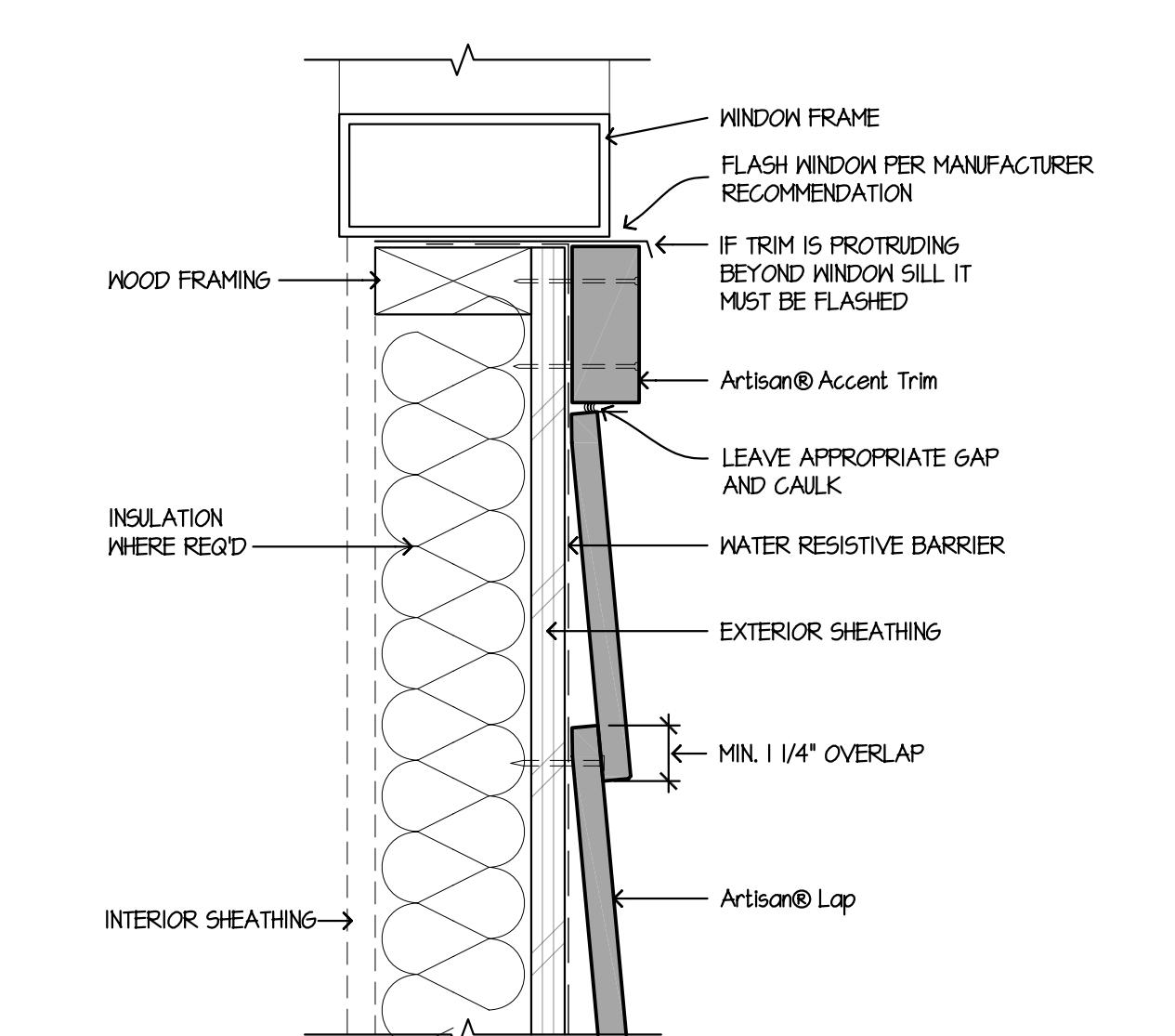
5 HORIZONTAL LAP VIEW



10 DOOR / WINDOW JAMB

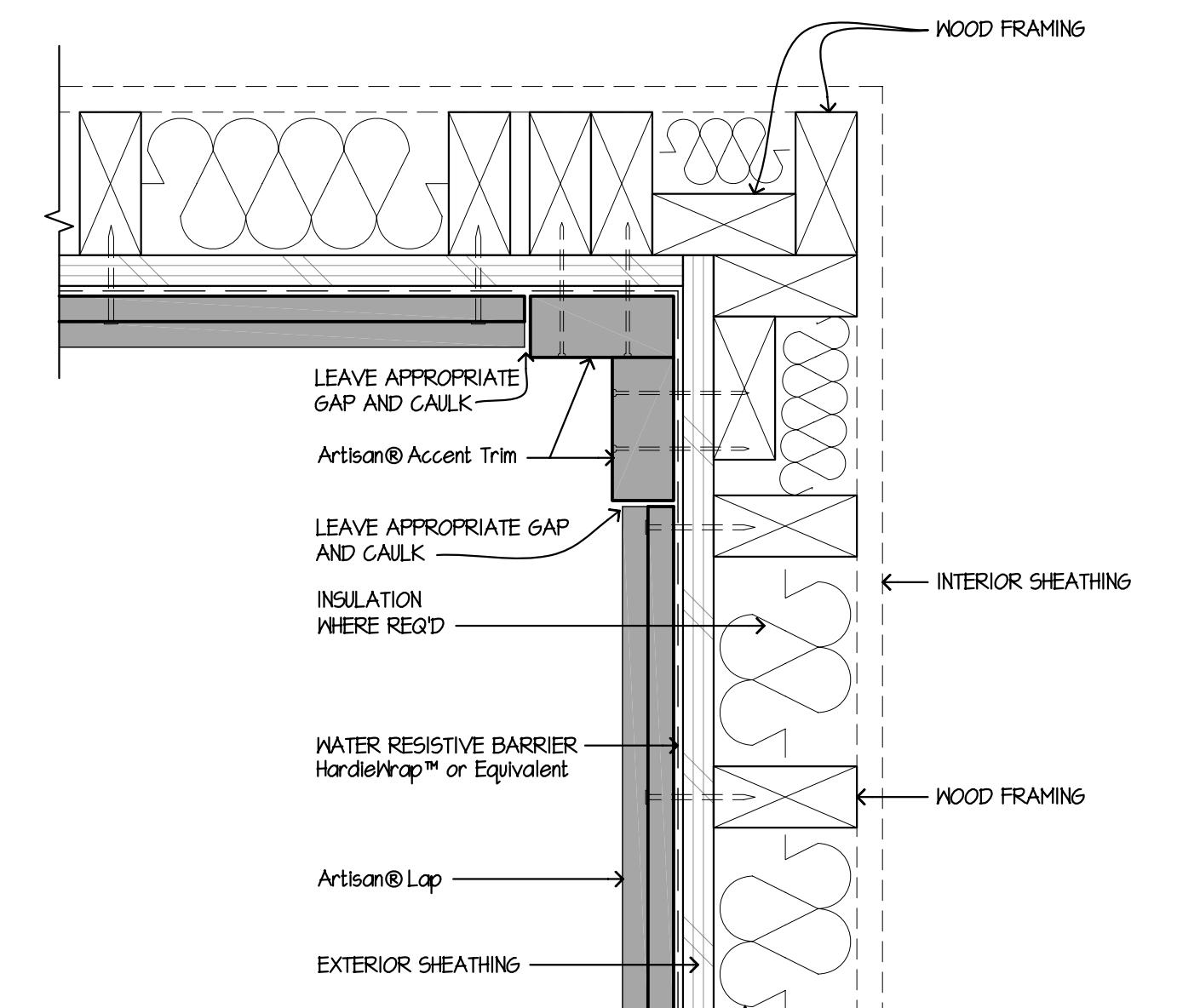
7 FIXTURE PENETRATION

SCALE: 3'-1"-0"



4 WINDOW SILL

SCALE: 3'-1"-0"



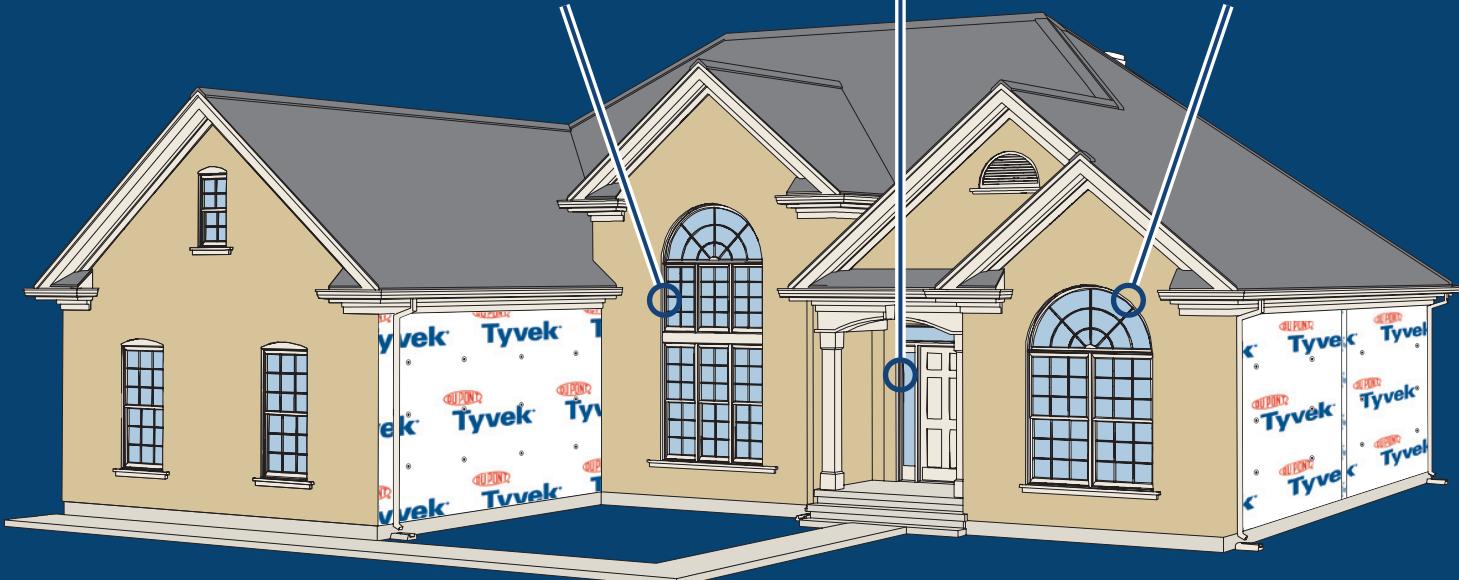
1 INSIDE CORNER

SCALE: 3'-1"-0"

DuPont™
StraightFlash™ VF

DuPont™
StraightFlash™

DuPont™
FlexWrap™



DuPont™ Flashing Systems Installation Guidelines

HELPING YOU GET THE JOB DONE RIGHT

INSTALLATION INSTRUCTIONS **BEFORE** WATER-RESISTIVE
BARRIER (WRB) IS INSTALLED



The miracles of science™

VERSION 2

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Applicable Products

DuPont™ Flashing Systems Products

PRODUCT	DIMENSIONS	AREA
DuPont™ FlexWrap™	7 in x 75 ft	43.7 sq ft
	9 in x 75 ft	56.2 sq ft
	9 in x 250 ft	187.5 sq ft
DuPont™ StraightFlash™	4 in x 150 ft	50 sq ft
	9 in x 125 ft	93.75 sq ft
DuPont™ StraightFlash™ VF	6 in x 125 ft	62.5 sq ft

Required Materials

- DuPont™ Flashing Systems
- DuPont™ Tyvek® Tape
- DuPont™ Weatherization Sealant
- DuPont™ Tyvek® Wrap Caps or other DuPont Recommended Fasteners
- Brushes for Surface Preparation

Optional Materials

- Backer rod
- J -roller

DuPont Recommended Primers*

MANUFACTURER	PRODUCT NAME
3M	Hi-Strength 90
Denso	Butyl Primer (spray or can)
Henkel	SIA 655
Henkel	Permagrip® 105™
ITW TACC	STA'PUT SPH

* Apply per manufacturers' guidelines. DuPont assumes no liability in use of recommended products; installers need to evaluate suitability of recommended products in their end-use applications.

DuPont Recommended Low Expansion Foams*

MANUFACTURER	PRODUCT NAME
Selena	Tytan™ Window & Door Pro
Todol	E-Z Flo

* Apply per manufacturers' guidelines. DuPont assumes no liability in use of recommended products; installers need to evaluate suitability of recommended products in their end-use applications.

DuPont Recommended Fasteners*

MANUFACTURER	PRODUCT NAME
DuPont	DuPont™ Tyvek® Wrap Cap nails
DuPont	DuPont™ Tyvek® Wrap Cap screws
DuPont	DuPont™ Tyvek® Wrap Cap staples (for Stinger™)
Several	1.0 inch minimum crown staples**

* Apply per manufacturers' guidelines. DuPont assumes no liability in use of recommended products; installers need to evaluate suitability of recommended products in their end-use applications.

** Except when installing DuPont™ Tyvek® WRBs over foam sheathing.

General Instructions

DuPont™ Flashing Systems products should be installed on clean, dry surfaces that are free of frost. Wipe surfaces to remove moisture, dirt, grease and other debris that could interfere with adhesion.

Apply pressure along entire surface for a good bond using a J-roller or firm hand pressure.

Remove all wrinkles and bubbles by smoothing surface and repositioning as necessary.

When flashing the sill area for windows and doors, DuPont recommends the use of 7" wide DuPont™ FlexWrap™ for 2"x 4" framing and 9" wide DuPont™ Flexwrap™ for 2" x 6" framing. When rigid back dams are required or desired, an option would be to use a ¾" corner guard (back dam) cut to the length of the sill and nail into place on the interior edge of the sill prior to installation of DuPont™ FlexWrap™. Then install DuPont™ FlexWrap™ over sill and corner guard back dam.

Door and window rough sill framing must be level or slightly sloped to the exterior to ensure proper drainage to the exterior. DuPont recommends the use of the SureSill™ Sloped Sill Pan™, manufactured by SureSill, Ltd, on all exterior doors and in certain applications on windows. This best practice ensures continuous support with positive slope to the exterior. Please contact your local DuPont™ Tyvek™ Specialist for additional information and installation instructions.

DO NOT STRETCH DuPont™ FlexWrap™ when installing along sills or jambs. DuPont™ FlexWrap™ is only intended to be stretched when covering corners or curved sections.

DuPont™ Flashing Systems products perform best when installed at temperatures above 25°F (-4°C).

Avoid placing DuPont™ Tyvek® Wrap Caps where flashing will be installed; however, DuPont™ Tyvek® Wrap Caps can be applied over the flashing.

Where buildings could be exposed to extreme weather conditions (ie. sustained wind-driven rain above 50mph), install a high pressure skirt to help prevent water intrusion at the sill.

Priming is generally not required for adhering DuPont™ Flashing Systems products to most common building materials. However, adverse weather conditions or cold temperatures may require use of a primer to promote adhesion. Additionally, concrete, masonry, and fiber-faced exterior gypsum board require the use of approved primers. For primer recommendations, see page 2.

For additional guidelines and suggested sealants, please call 1-800-44-Tyvek (800-448-9835), visit our website at www.Construction.Tyvek.com, or consult your local DuPont™ Tyvek® Specialist.

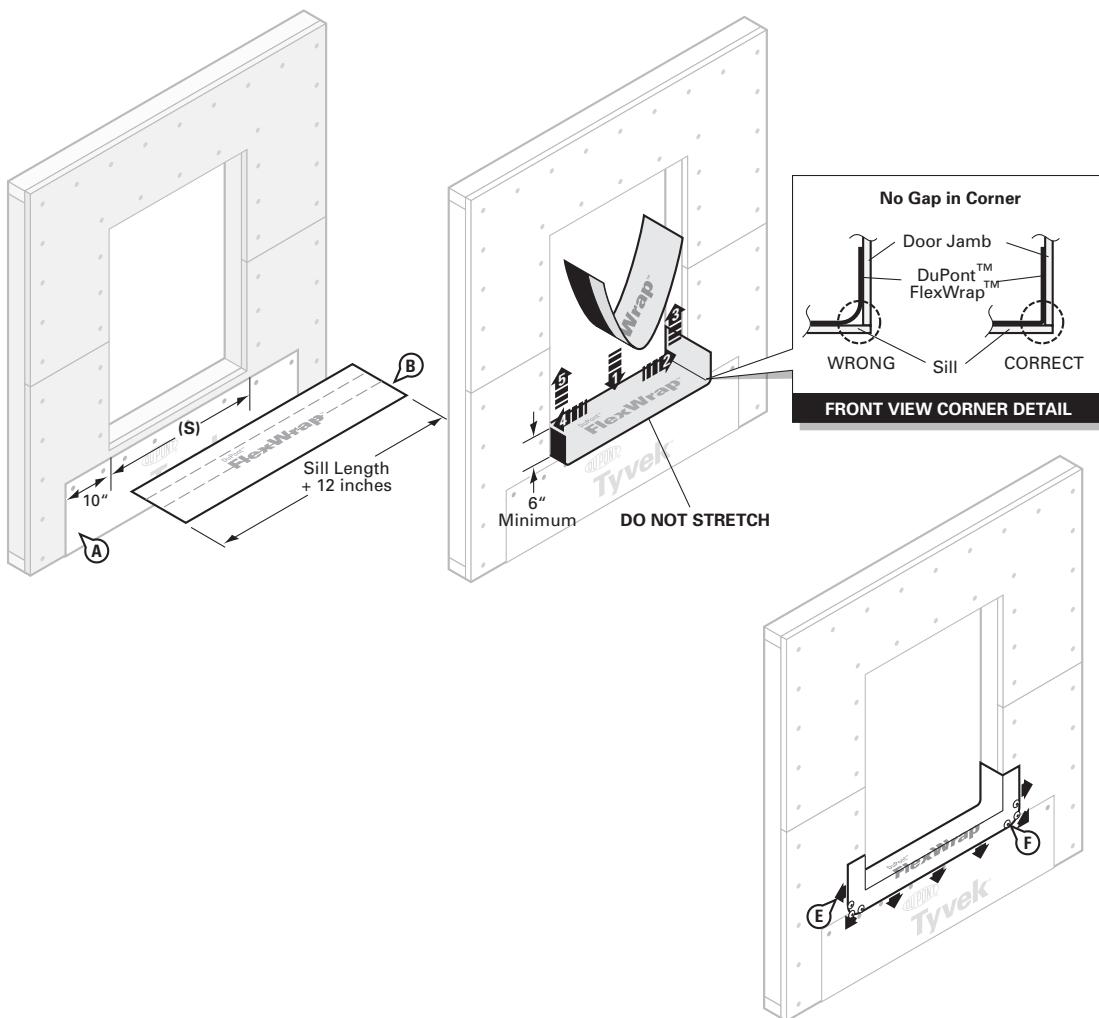
Integral Flanged Window BEFORE Water-Resistive Barrier (WRB) is Installed

Method applies to following products:

- DuPont™ StraightFlash™
- DuPont™ FlexWrap™

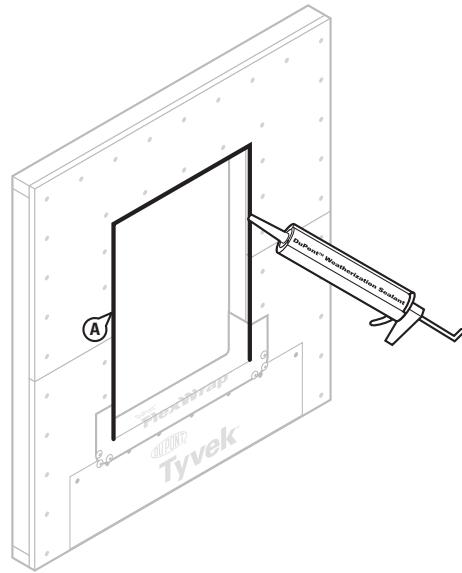
STEP 1 – FOR RECTANGULAR WINDOWS

- Attach apron made of WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the WRB below. The top of the apron should be securely attached to wall and the bottom of apron should be left free to overlap later with WRB installation.
- Cut DuPont™ FlexWrap™ at least 12" longer than width of sill rough opening (S).
- Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening across sill and up jambs (min 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ should be 2" to 3" onto the face of the wall.
- SECURE EDGES OF DUPONT™ FLEXWRAP™ WITH DUPONT RECOMMENDED FASTENERS** along the bottom outer edge of the DuPont™ FlexWrap™ at fanned corners.



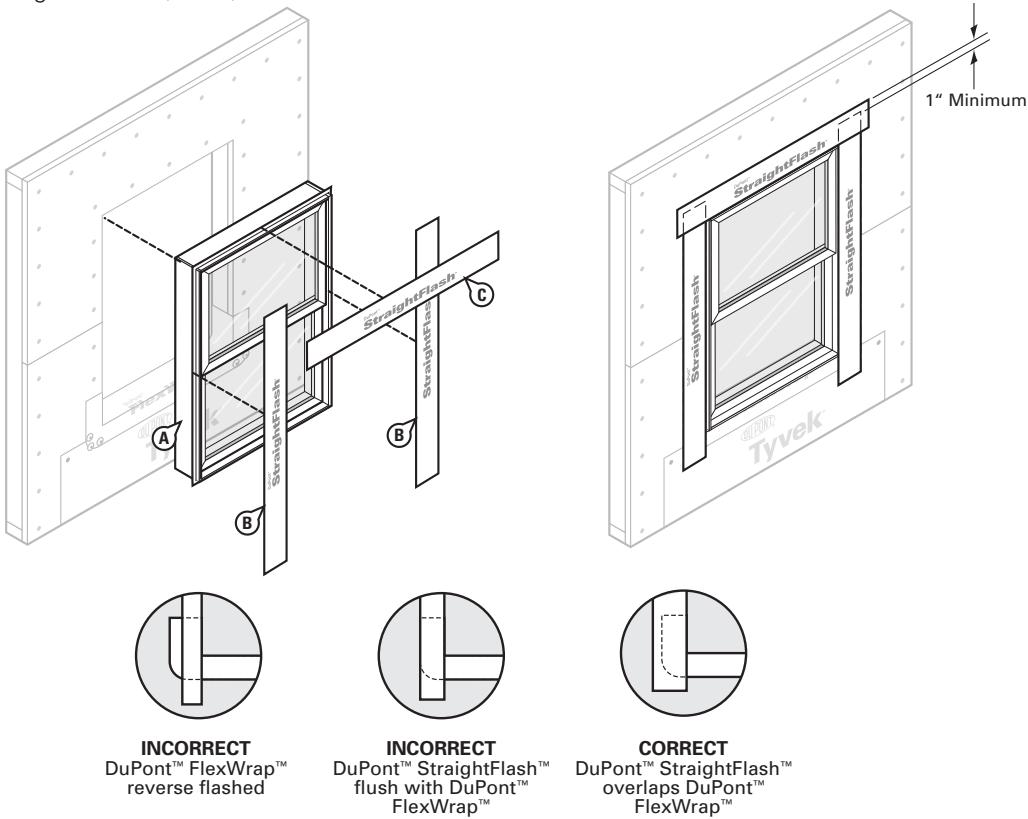
STEP 2

- A. Apply continuous bead of DuPont™ Weatherization Sealant at the window head and jambs to wall or back side of window mounting flange. **DO NOT APPLY CONTINUOUS SEALANT BEAD ACROSS BOTTOM SILL** to allow for drainage.



STEP 3

- A. Install window according to manufacturer's instructions.
B. Cut two pieces of DuPont™ StraightFlash™ or DuPont™ FlexWrap™ for jamb flashing extending 1" above window head flange and below bottom edge of sill flashing. Remove release paper and press tightly along sides of window frame.
C. Cut a piece of DuPont™ StraightFlash™ or DuPont™ FlexWrap™ for head flashing, which extends beyond outer edges of jamb flashings. Remove release paper and install completely covering mounting flange and adhering to exposed sheathing or framing members (see C).



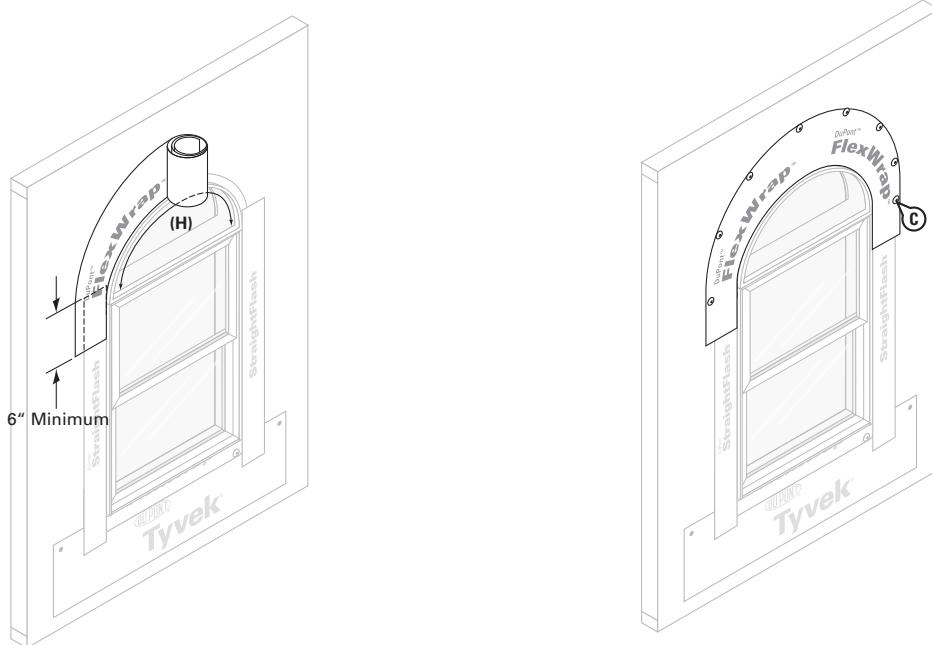
NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ and adhere to the substrate.

DuPont™ Flashing Systems Installation Guidelines

STEP 4 – FOR ROUNDTOP WINDOWS

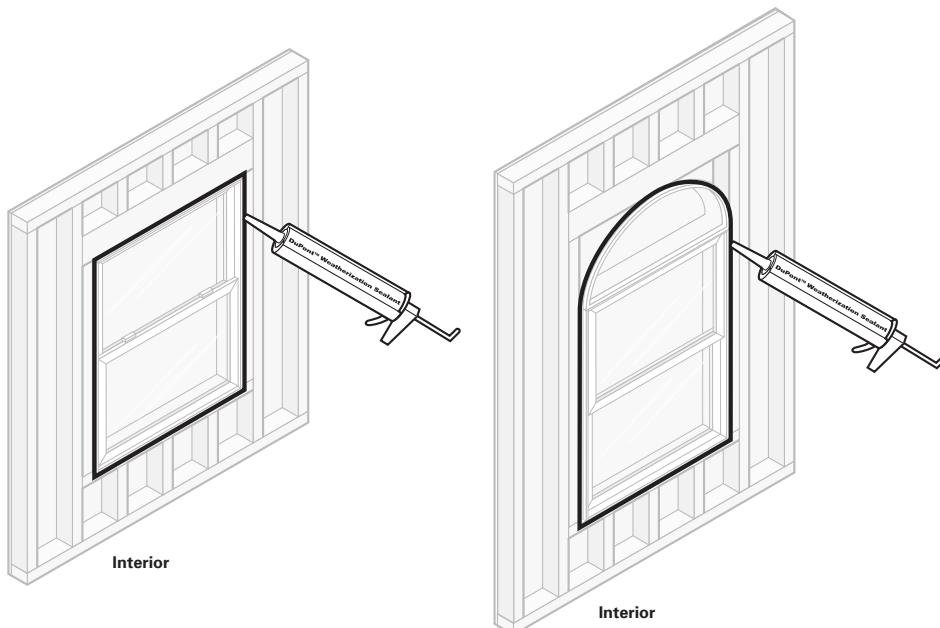
NOTE: Follow rectangular window instructions (Steps 1 through 3B) for proper installation of sill and jamb flashing prior to head flashing installation.

- A. Cut head flashing at least 12" longer than the arc length (H) of roundtop window.
- B. Remove both release papers and install to conform around top of window, covering entire mounting flange and adhering to exposed sheathing or framing members. Head flashing should overlap jamb flashings at least 6".
- C. Secure outer edges of head flashing using mechanical fasteners DuPont Recommended Fasteners every 6" to 12" along outer perimeter.



STEP 5

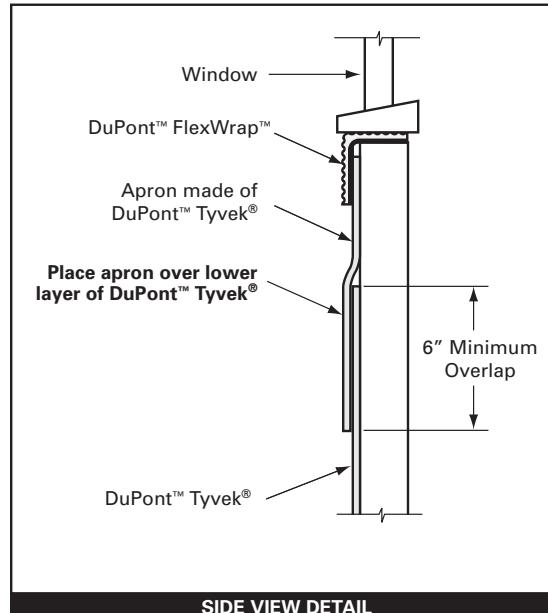
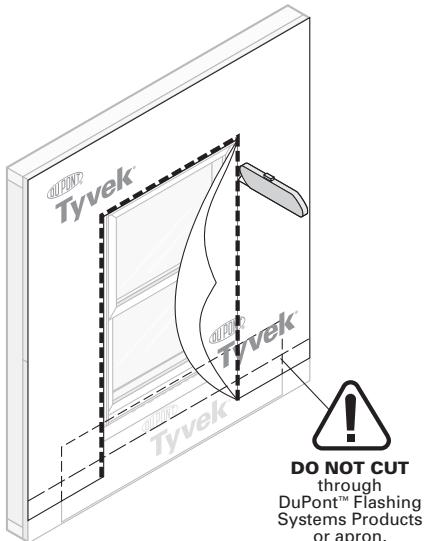
- A. Tool sealant around the window opening at the interior, using DuPont™ Weatherization Sealant or DuPont Recommended Low Expansion Foam (and backer rod as necessary). Sealant and backer rod will also serve as a back dam.



STEP 6

- A. After wrapping WRB, cut as shown to expose window and apron. (Refer to the DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines to install the WRB properly).

DO NOT CUT THROUGH DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.

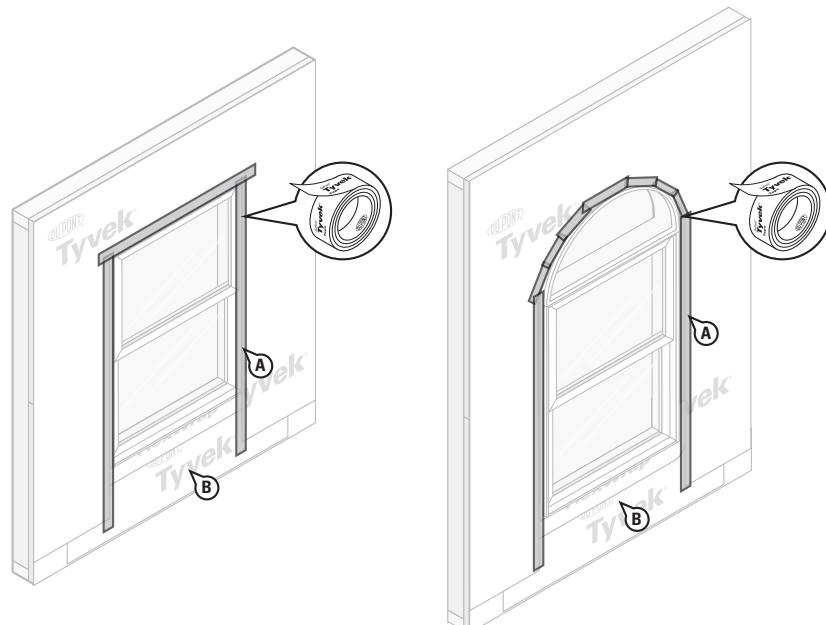


SIDE VIEW DETAIL

STEP 7

Final Step

- A. Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape; if an air barrier is not required or if additional drainage is desired, then skip-tape at the head.
B. Lap bottom of apron and WRB over building materials below for proper shingling.



Integral Flanged Door BEFORE Water-Resistive Barrier (WRB) is Installed

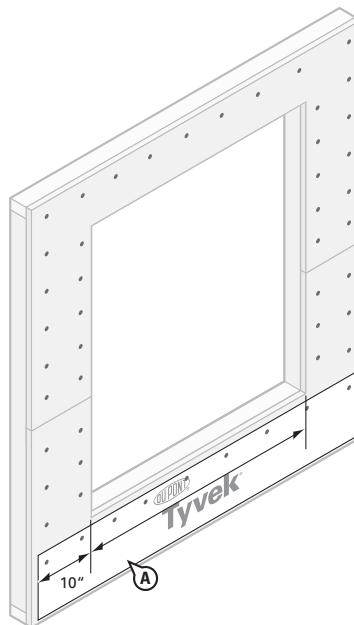
This method can be used for doors with field applied flanges. This installation guideline is intended for doors installed above grade.

Method applies to following products:

- DuPont™ StraightFlash™
- DuPont™ FlexWrap™

STEP 1

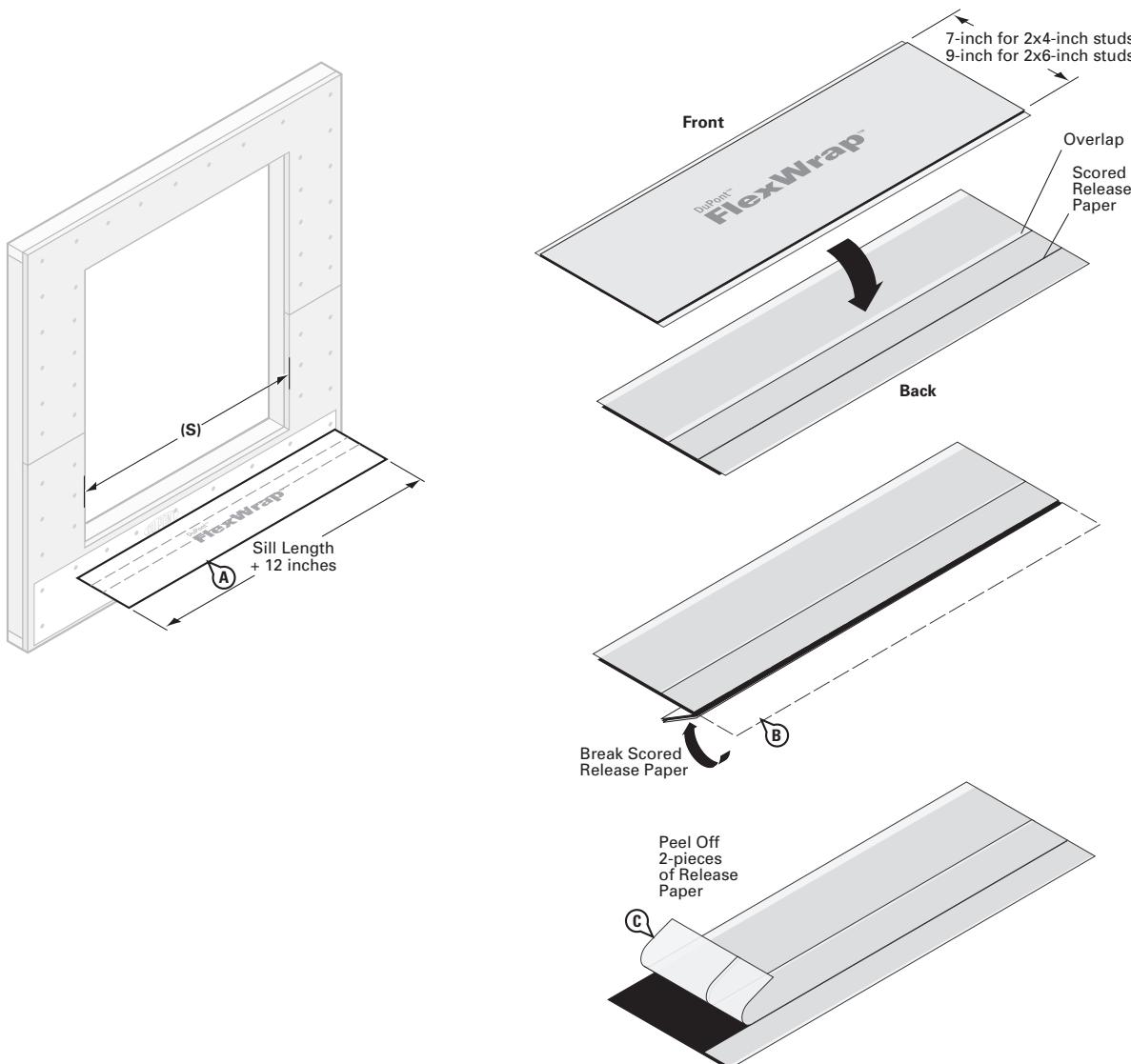
- A. Attach apron made of WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the WRB below. The top of the apron should be securely attached to wall and the bottom of apron should be left free to overlap later with WRB installation.



STEP 2

Preparation of sill flashing:

- A. Cut DuPont™ FlexWrap™ at least 12" longer than width of the sill (S).
- B. DuPont™ FlexWrap™ has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
- C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.

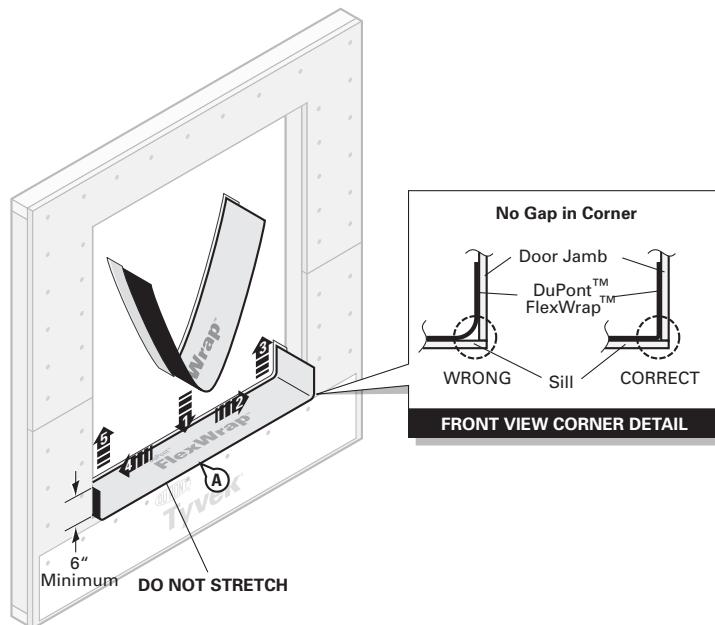


DuPont™ Flashing Systems Installation Guidelines

STEP 3

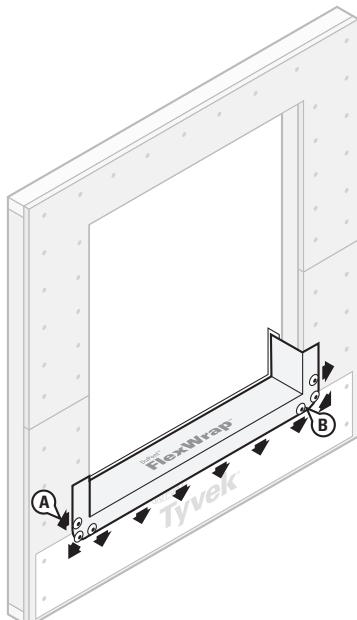
- A. Install the sill flashing as indicated leaving the 1" of DuPont™ FlexWrap™ with release paper extending it past the door threshold on the inside. When the 1" of release paper is removed, there should be 3/4" of flashing to form the back dam.

Optional: Some flooring cannot accommodate a back dam. In that case fold the 1" back dam on top of DuPont™ FlexWrap™ in the sill. Door will be installed on top of 1" fold to create a back dam (see Side View Detail in Step 7).



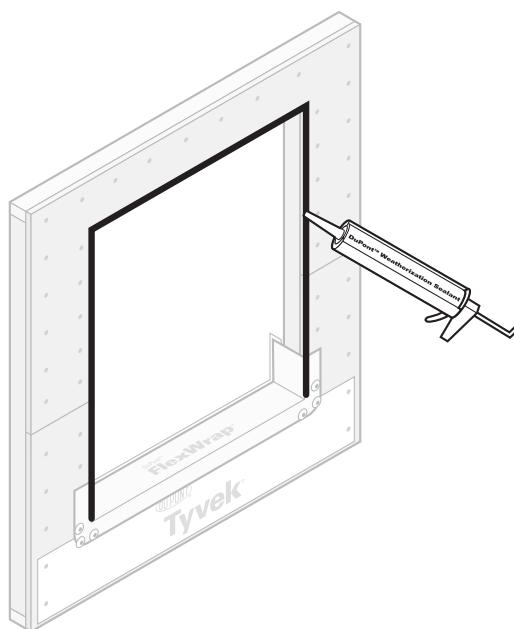
STEP 4

- A. Fan out DuPont™ FlexWrap™ at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ should be 2" to 3" onto the face of the wall.
- B. **SECURE EDGES WITH DUPONT RECOMMENDED FASTENERS** along the bottom perimeter of the DuPont™ FlexWrap™ at fanned corners.



STEP 5

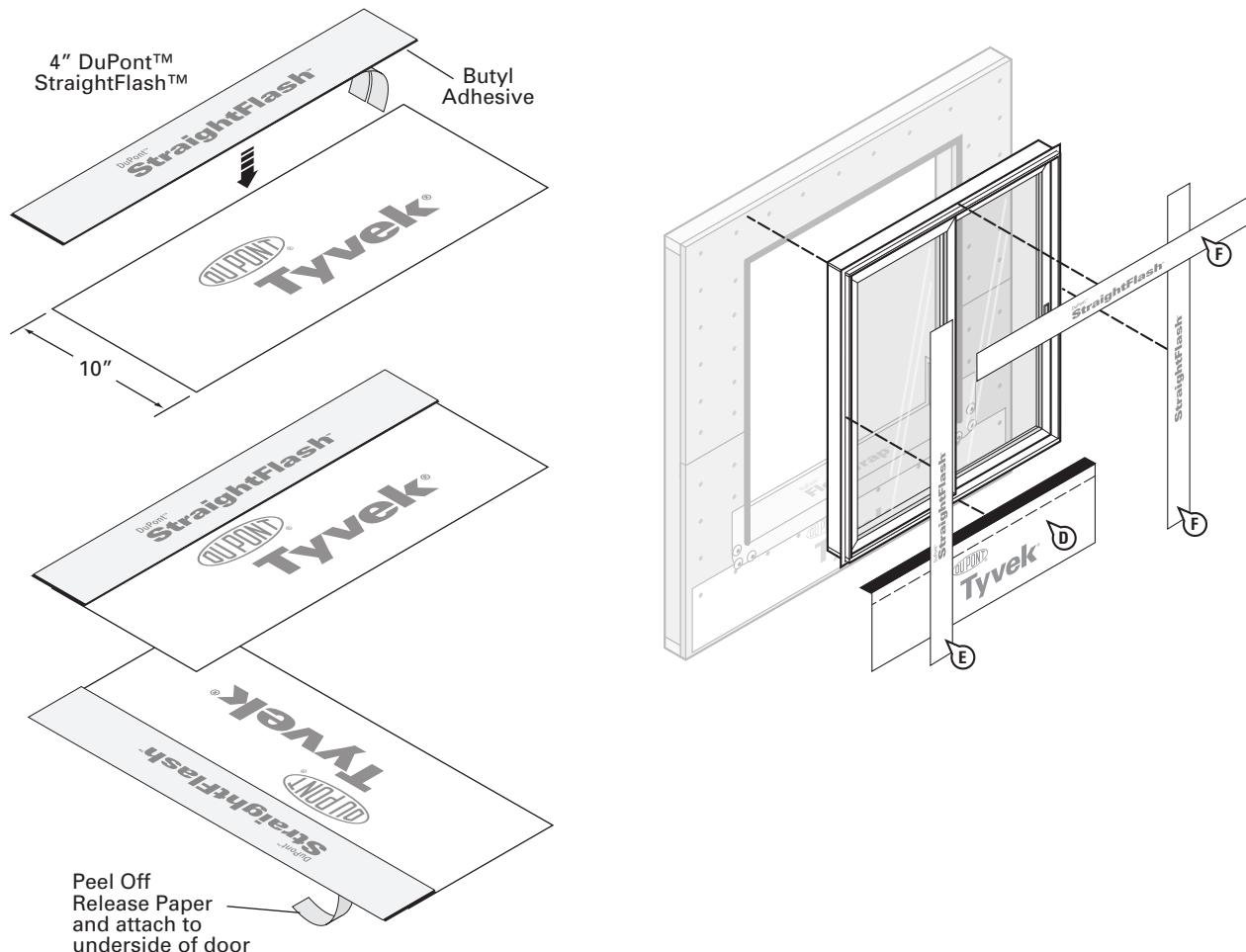
- A. Apply continuous bead of DuPont™ Weatherization Sealant at the door head and jambs to wall or back side of door mounting flange. **DO NOT APPLY CONTINUOUS SEALANT BEAD ACROSS BOTTOM SILL** to allow for drainage.



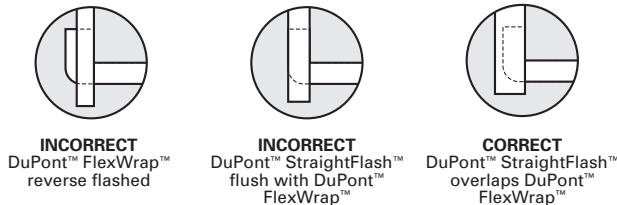
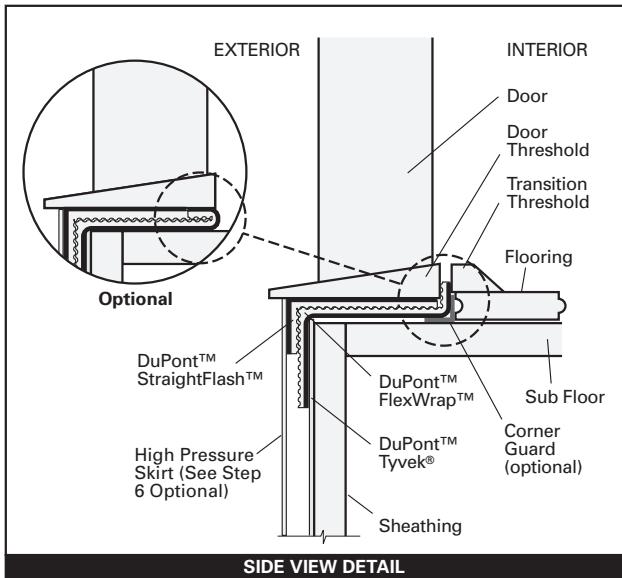
STEP 6 (OPTIONAL) - HIGH PRESSURE SKIRT

For extreme weather conditions, see General Instructions.

- A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® 1" wider than the width of door opening and approximately 10" in depth.
- B. Cut a piece of DuPont™ StraightFlash™ to the same width as the skirt. Remove release paper from one side of the DuPont™ StraightFlash™ and adhere to the DuPont™ Tyvek®.
- C. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
- D. Adhere the adhesive of the sill skirt flashing to the bottom of the door threshold behind the jamb flashing.
- E. Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash™.
- F. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.



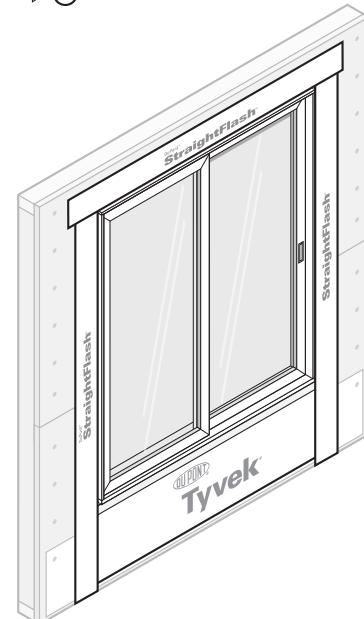
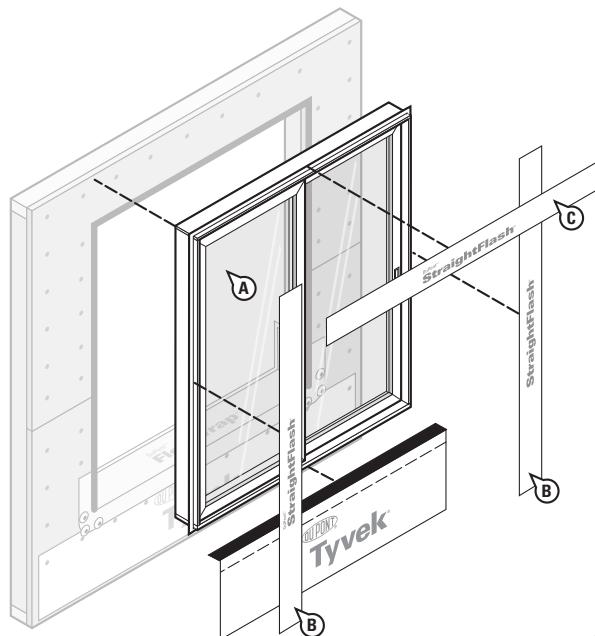
DuPont™ Flashing Systems Installation Guidelines



NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ and adhere to the substrate..

STEP 7

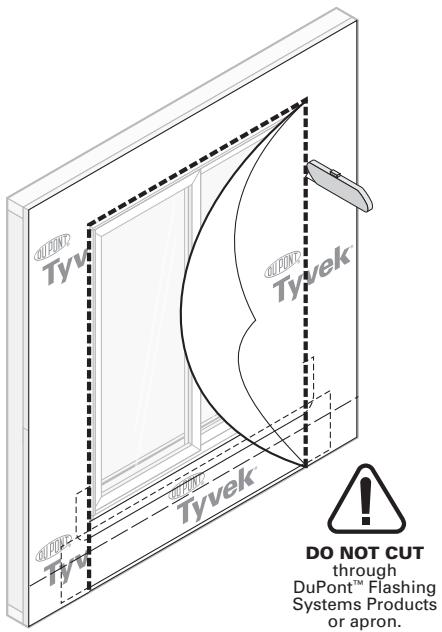
- Install door according to manufacturer's instructions.
- Cut two pieces of DuPont™ StraightFlash™ or DuPont™ FlexWrap™ for jamb flashing extending 1" above door head flange and below bottom edge of sill flashing. Remove release paper and press tightly along sides of door frame.
- Cut a piece of DuPont™ StraightFlash™ or DuPont™ FlexWrap™ for head flashing, which extends beyond outer edges of jamb flashings. Remove release paper and install completely covering mounting flange and adhering to exposed sheathing or framing members.



STEP 8

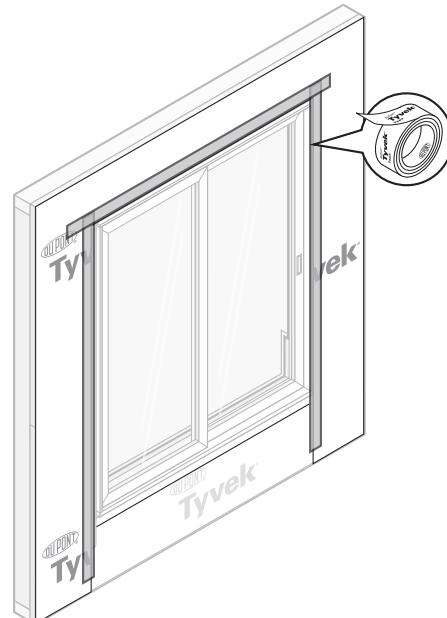
- A. After wrapping WRB, cut as shown to expose door and apron. (Refer to the DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines to install the WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 9

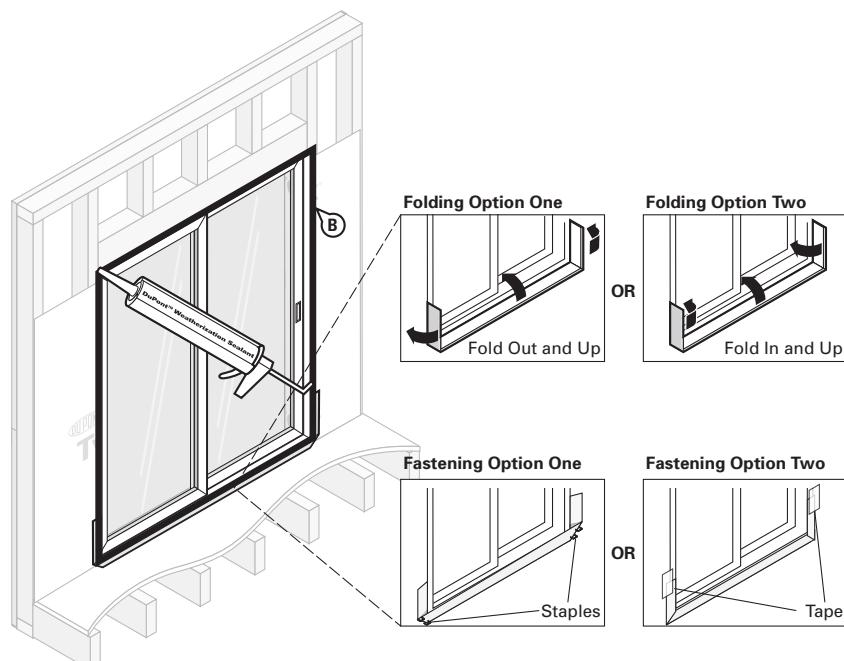
- A. Tape edge of DuPont™ Tyvek® WRB to edge of door at jambs. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape; if an air barrier is not required or if additional drainage is desired, then skip-tape at the head. **DO NOT TAPE** at bottom of door.
- B. Lap bottom of apron and WRB over building materials below for proper shingling.



STEP 10

Final Step

- A. When the interior flooring is ready to install, remove release paper and use option one or two (shown below) to form back dam.
- B. Tool sealant around the door opening at the interior, using DuPont™ Weatherization Sealant or DuPont Recommended Low Expansion Foam (and backer rod as necessary).



Brick Mold, Non-Flanged and Field Applied Flanged Window BEFORE Water-Resistive Barrier (WRB) Is Installed

This installation guide can also be used for windows with field applied nailing fins and non-flanged windows.

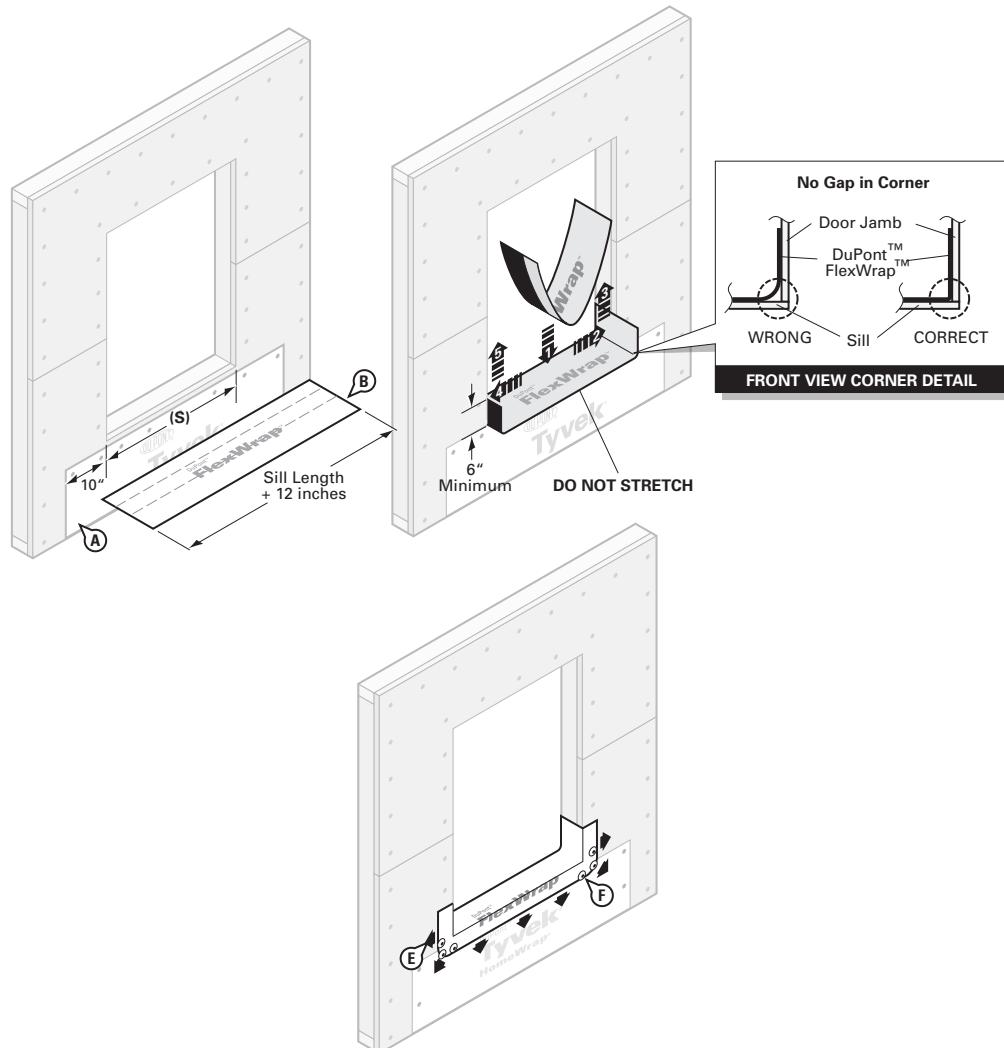
Method applies to following products:

- DuPont™ StraightFlash™
- DuPont™ StraightFlash™ VF
- DuPont™ FlexWrap™

STEP 1

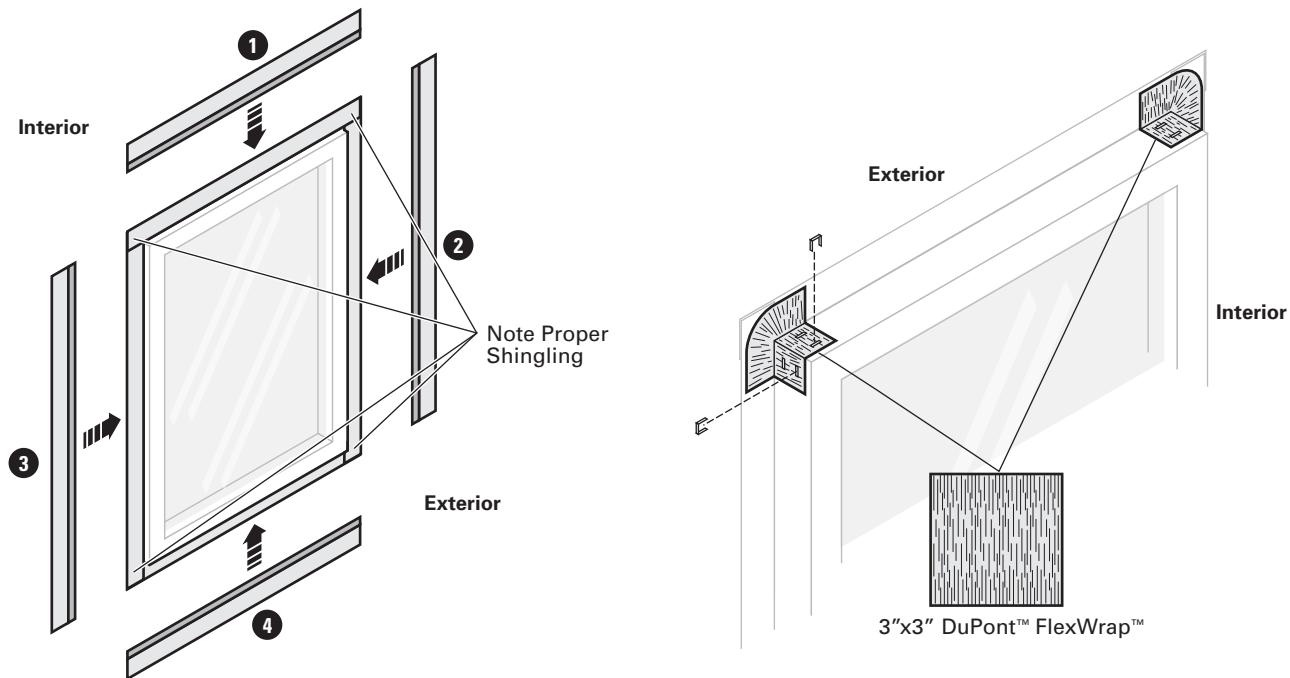
- A. Attach apron made of WRB under sill (S). Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the WRB below. The top of the apron should be securely attached to wall and the bottom of apron should be left free to overlap later with WRB installation.
- B. Cut DuPont™ FlexWrap™ at least 12" longer than width of sill rough opening (S).

- C. Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening across sill and up jambs (min 6" on each side).
- D. Remove second release paper.
- E. Fan out DuPont™ FlexWrap™ at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ should be 2" to 3" onto the face of the wall.
- F. **SECURE EDGES OF DUPONT™ FLEXWRAP™ WITH DUPONT RECOMMENDED FASTENERS** along the bottom outer edge of the DuPont™ FlexWrap™ at fanned corners.



STEP 1A (FOR NON-INTEGRAL FLANGED WINDOWS ONLY)

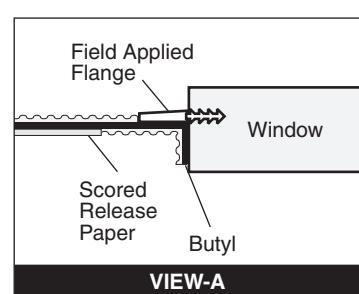
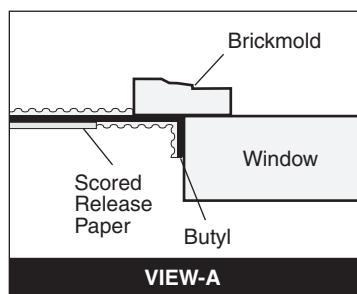
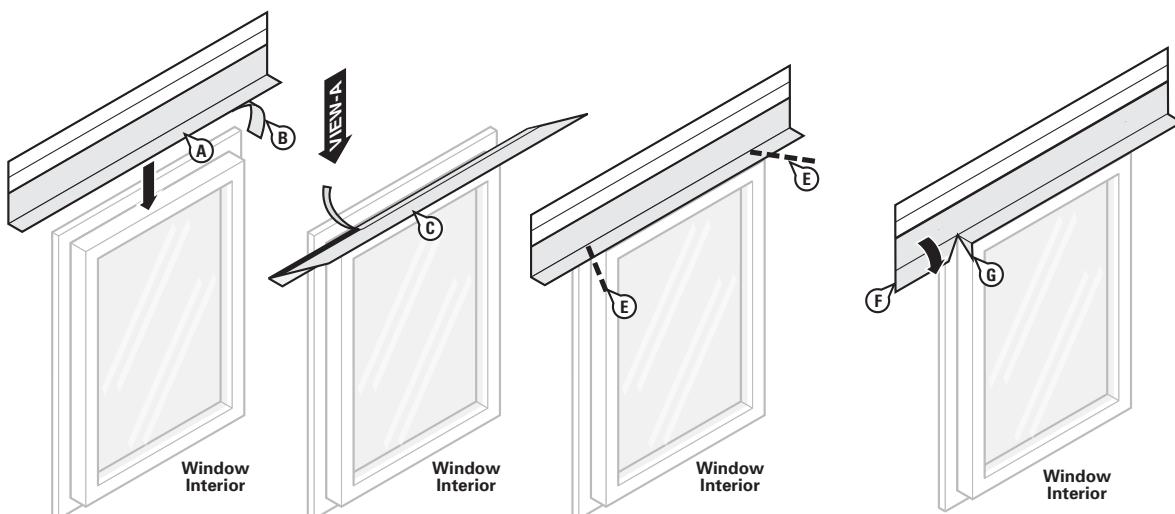
- A. Apply field applied flanges in the correct shingling fashion as per manufacturers' installation instructions. **DO NOT REVERSE SHINGLE**.
- B. Cut 3"x 3" piece of DuPont™ FlexWrap™
- C. Apply to back of flange corners before applying DuPont™ StraightFlash™ VF.
- D. Staple patches in corners and secure to wooden head and jambs.



DuPont™ Flashing Systems Installation Guidelines

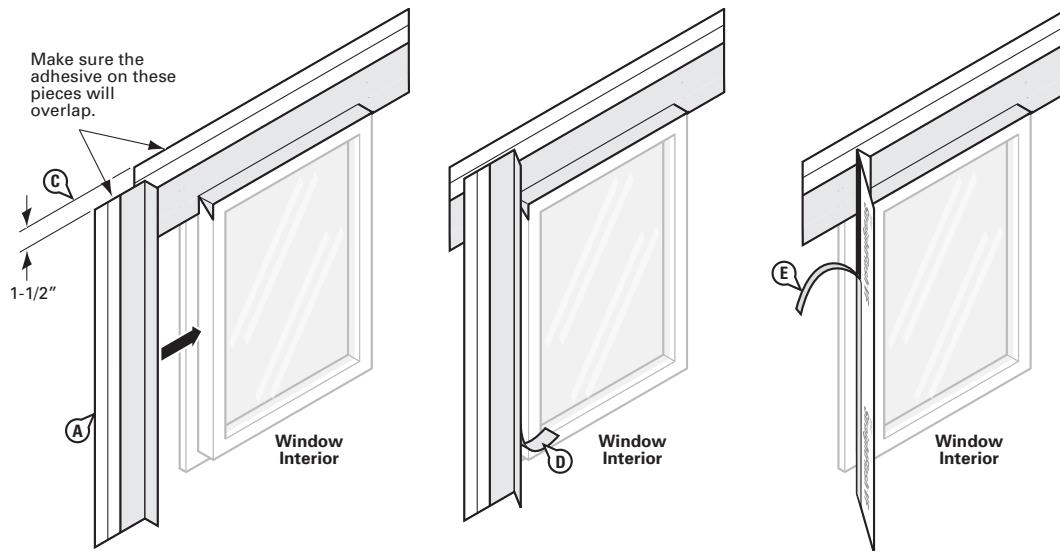
STEP 2

- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one side of the head flashing by folding it back and forth upon itself.
- C. Center the flashing along the length of the window head and position so that it contacts the window frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
- D. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- E. At the corner of the window frame, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle.
- F. Fold it down flat against the brick mold or flange.
- G. Fold remaining head flashing ears down onto the jamb.



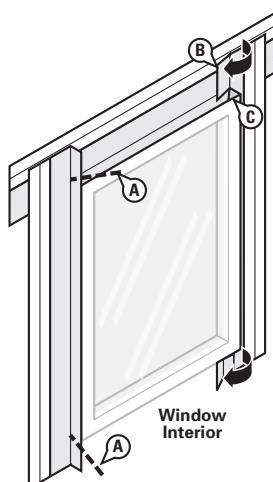
STEP 3

- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that it contacts the window frame and interior side of the brick mold or flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one-inch.**
- D. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
- E. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- F. Repeat Step 3 for opposite side of window.



STEP 4

- A. At the corner of the window frame, cut the DuPont™ StraightFlash™ VF along both corners at a 45° angle at the head and at the sill.
- B. Fold cut jamb flashing parallel to the window frame so that the jamb flashing lies flat.
- C. Fold remaining jamb flashing ears down at all corners.

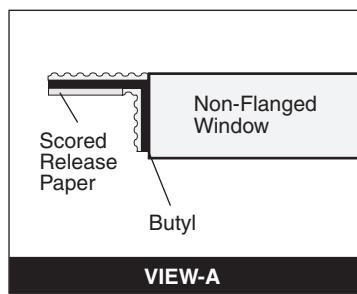
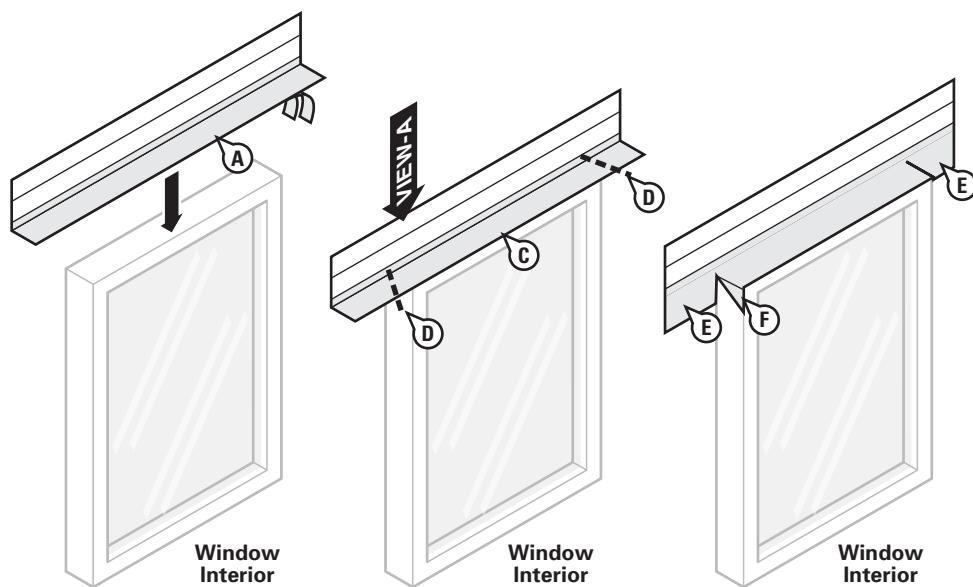


DuPont™ Flashing Systems Installation Guidelines

A. FOR NON-FLANGED WINDOWS ONLY

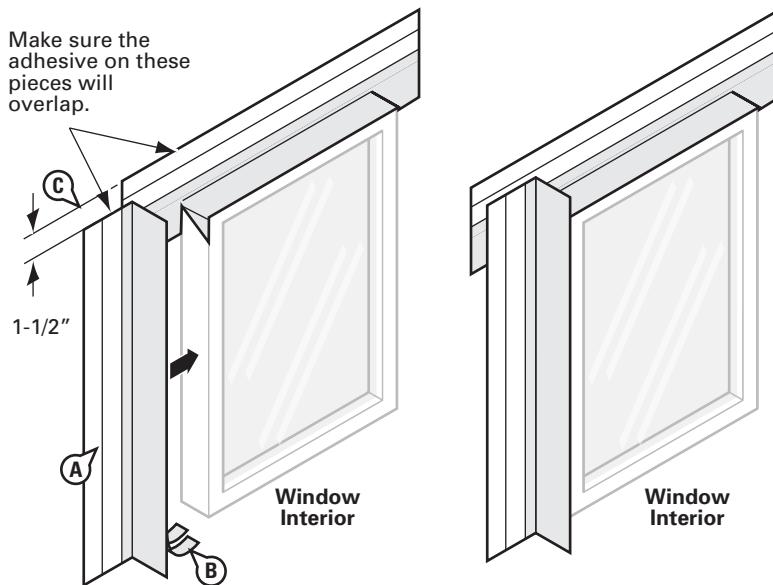
STEP 2A

- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches longer than the head length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Center the flashing along the length of the window and position so that it contacts the window frame.
- D. At the corner of the window frame, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle.
- E. Fold it down flat in the vertical direction parallel to the window frame.
- F. Fold remaining head flashing ears to the jamb.



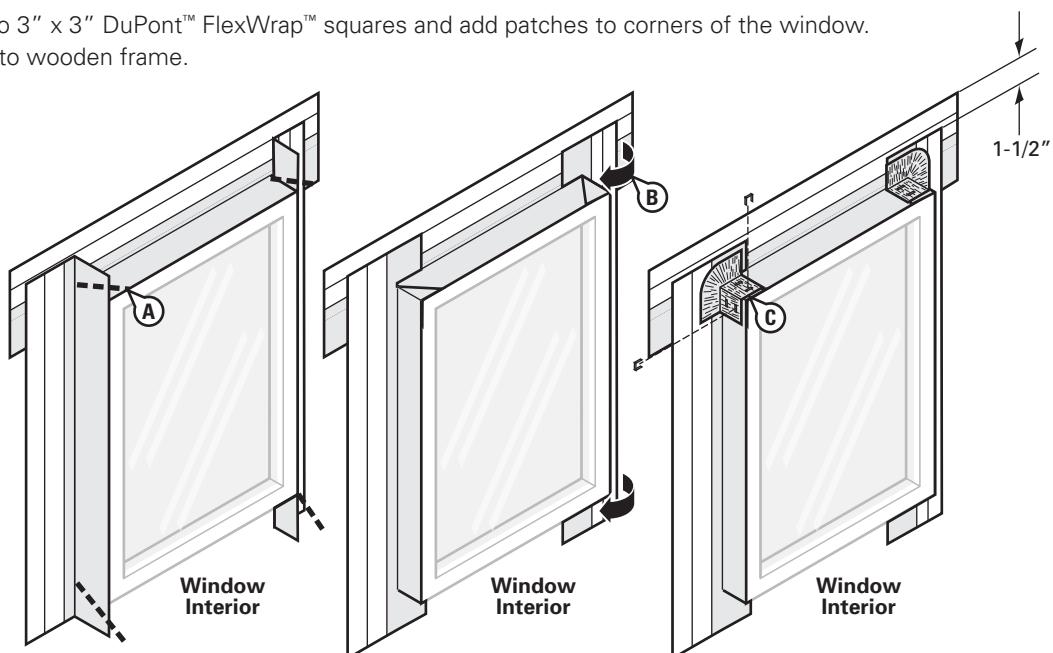
STEP 3A

- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches longer than the jamb length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Position so that it contacts the window frame up to the exterior face of the window. Ensure that the jamb flashing is positioned 1-1/2 inches below top of head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one inch.**
- D. Repeat step for the other jamb.



STEP 4A

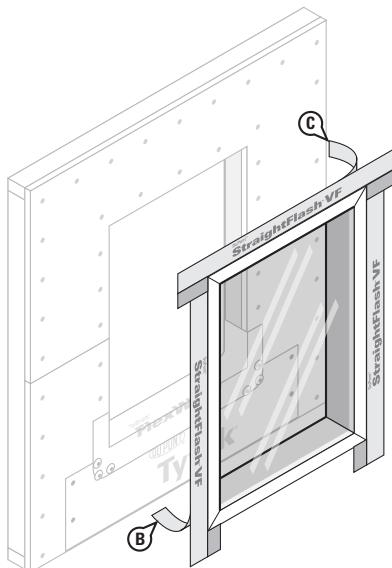
- A. At the corner of the window frame cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle and fold it over flat to adhere it against the head flashing.
- B. Repeat on opposite jamb.
- C. Cut two 3" x 3" DuPont™ FlexWrap™ squares and add patches to corners of the window. Staple to wooden frame.



DuPont™ Flashing Systems Installation Guidelines

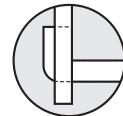
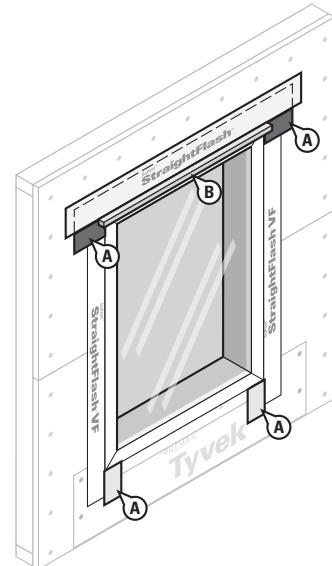
STEP 5

- A. Install window according to manufacturer's installation instructions.
- B. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the exterior sheathing or framing members.
- C. Remove the release paper at the head and adhere it to the exterior sheathing or framing members.

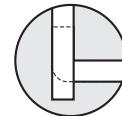


STEP 6

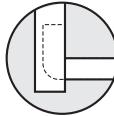
- A. Optional: Cover exposed butyl with DuPont™ StraightFlash™ or DuPont™ Tyvek® Tape.
- B. Cut a piece of metal or vinyl drip cap slightly longer than the window's width and place a bead of DuPont™ Weatherization Sealant on the rear side. Install the drip cap tight against brick mold and cover the top edge with DuPont™ StraightFlash™.



INCORRECT
DuPont™ FlexWrap™ reverse flashed



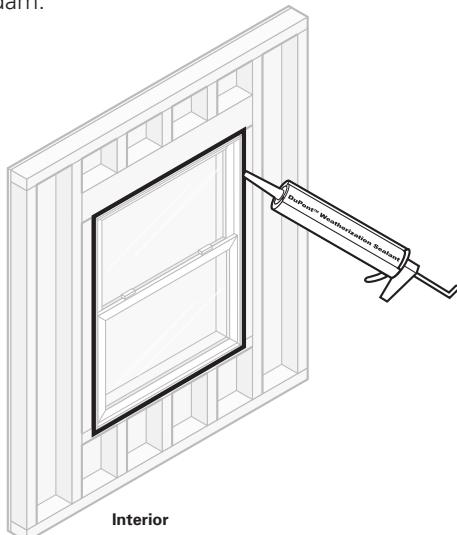
INCORRECT
DuPont™ StraightFlash™ flush with DuPont™ FlexWrap™



CORRECT
DuPont™ StraightFlash™ overlaps DuPont™ FlexWrap™

STEP 7

- A. Tool sealant around the window opening at the interior, using DuPont™ Weatherization Sealant or DuPont Recommended Low Expansion Foam (and backer rod as necessary). Sealant and backer rod will also serve as a back dam.

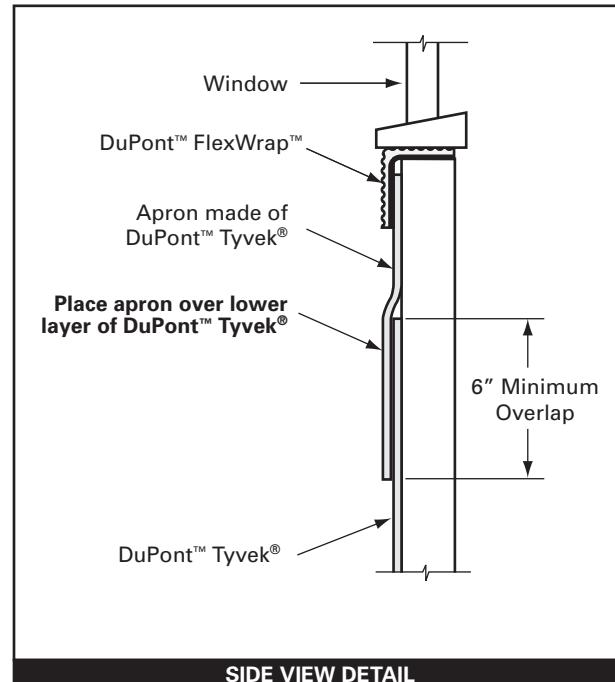
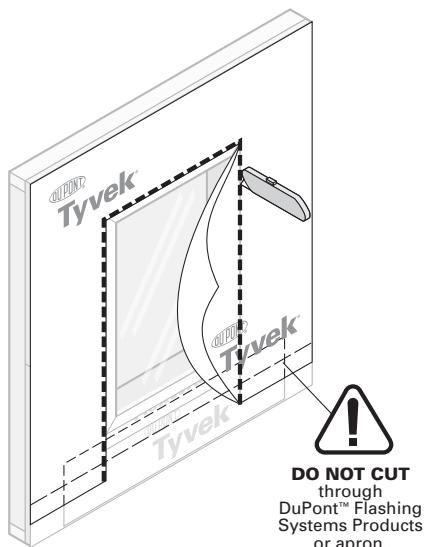


NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ and adhere to the substrate.

STEP 8

A. After wrapping WRB, cut as shown to expose window and apron. (Refer to the DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines to install the WRB properly).

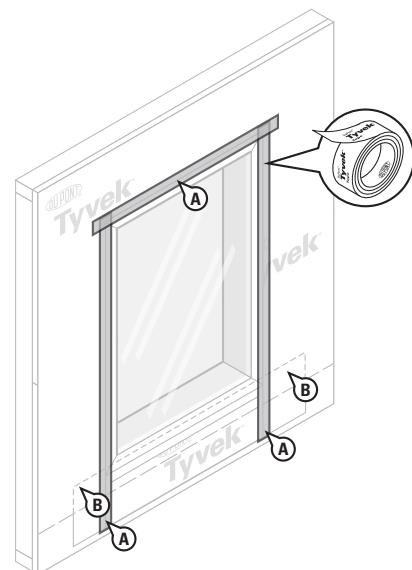
DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 9

Final Step

- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape; if an air barrier is not required or if additional drainage is desired, then skip-tape at the head.
- Lap bottom of apron and WRB over building materials below for proper shingling.



Brick Mold, Non-Flanged and Field Applied Flanged Door BEFORE Water-Resistive Barrier (WRB) Is Installed

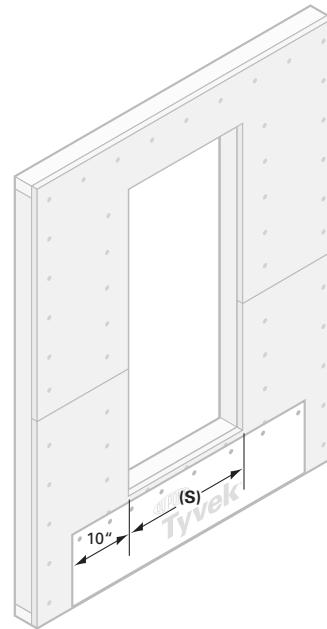
This installation guide is intended for doors installed above grade and with wood floor construction.

Method applies to following products:

- DuPont™ StraightFlash™
- DuPont™ StraightFlash™ VF
- DuPont™ FlexWrap™

STEP 1

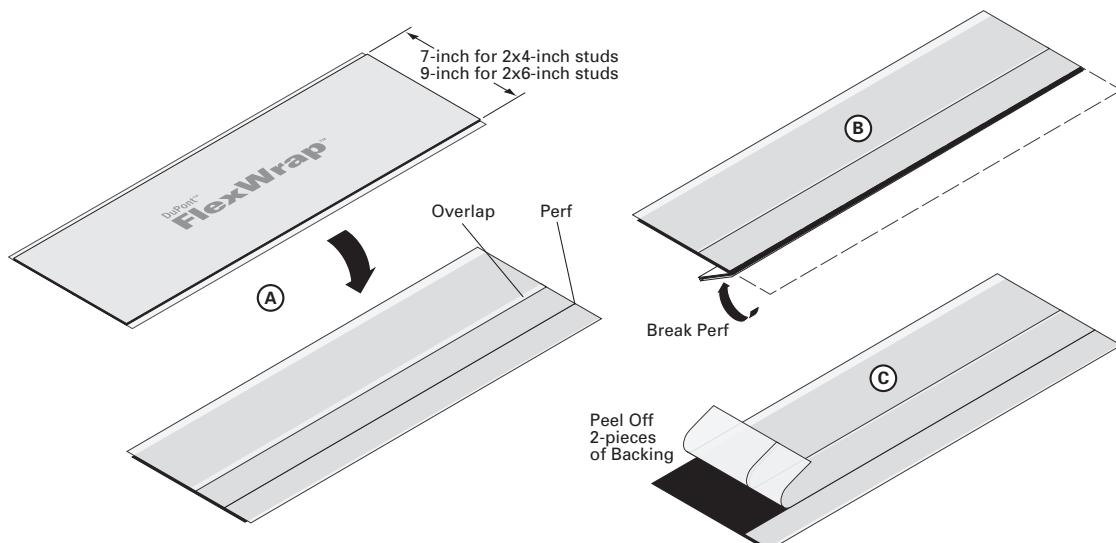
- A. Attach apron made of WRB under sill (S). Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the WRB below. The top of the apron should be securely attached to wall and the bottom of apron should be left free to overlap later with WRB installation.



STEP 2

Preparation of sill flashing:

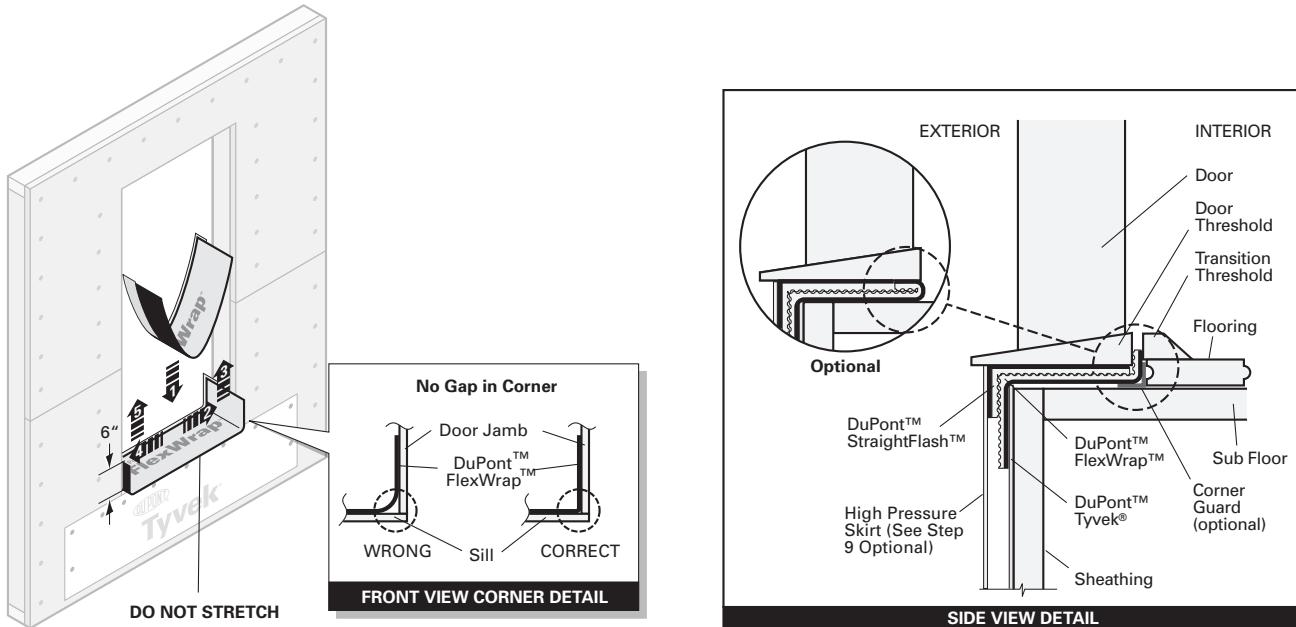
- Cut piece of DuPont™ FlexWrap™ at least 12" longer than the width of the sill (S).
- DuPont™ FlexWrap™ has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
- Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.



STEP 3

A. Install the sill flashing as indicated leaving the 1" of DuPont™ FlexWrap™ with release paper extending it past the door threshold on the inside. When the 1" of release paper is removed, there should be 3/4" of flashing to form the back dam.

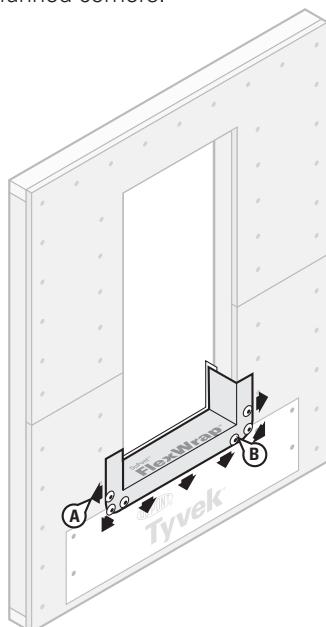
Optional: Some flooring cannot accommodate a back dam. In that case fold the 1" back dam on top of DuPont™ FlexWrap™ in the sill. Door will be installed on top of the 1" fold to create a back dam.



STEP 4

A. Fan out DuPont™ FlexWrap™ at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ should be 2" to 3" onto the face of the wall.

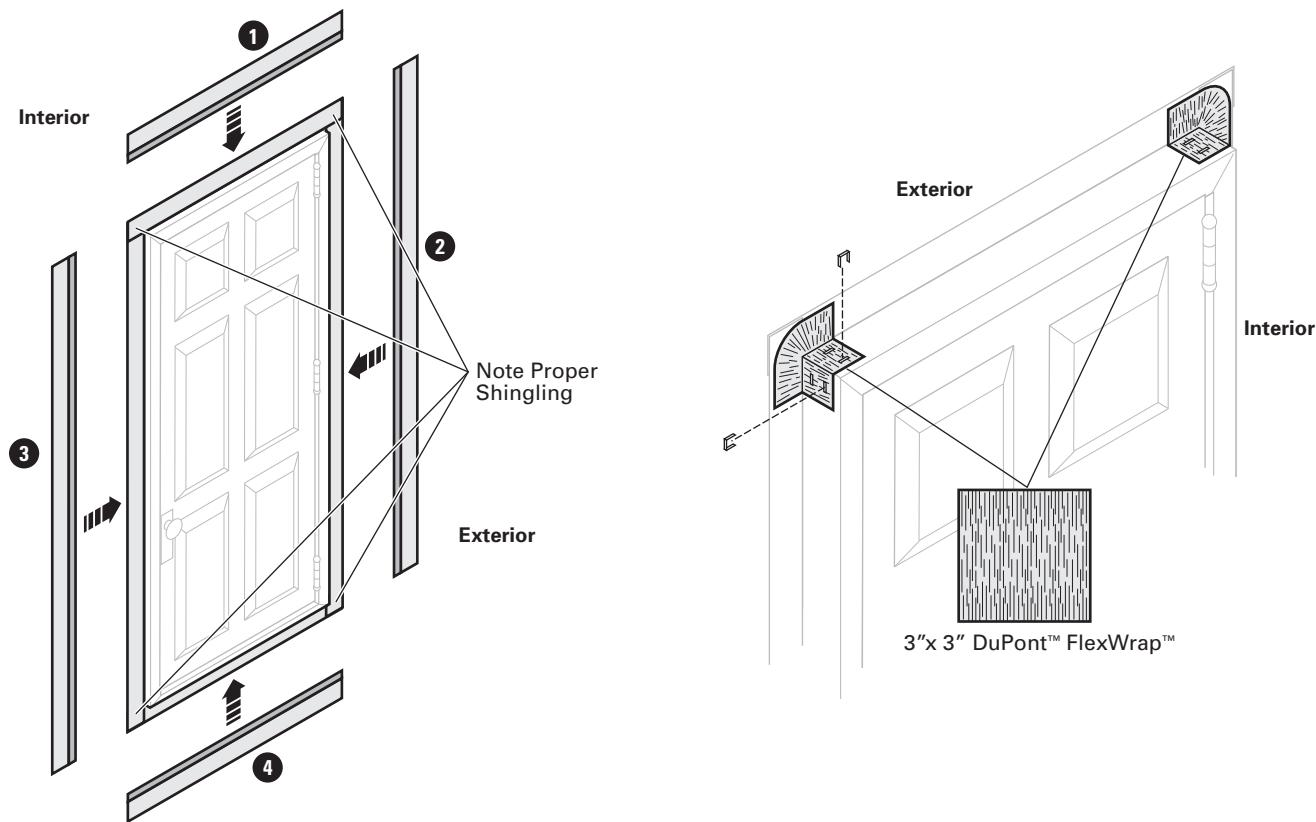
B. **SECURE EDGES OF DUPONT™ FLEXWRAP™ WITH DUPONT RECOMMENDED FASTENERS** along the bottom outer edge of the DuPont™ FlexWrap™ at fanned corners.



STEP 5 (FOR FIELD APPLIED FLANGED DOORS ONLY)

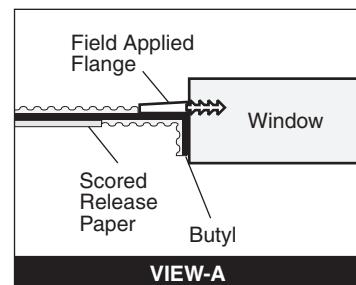
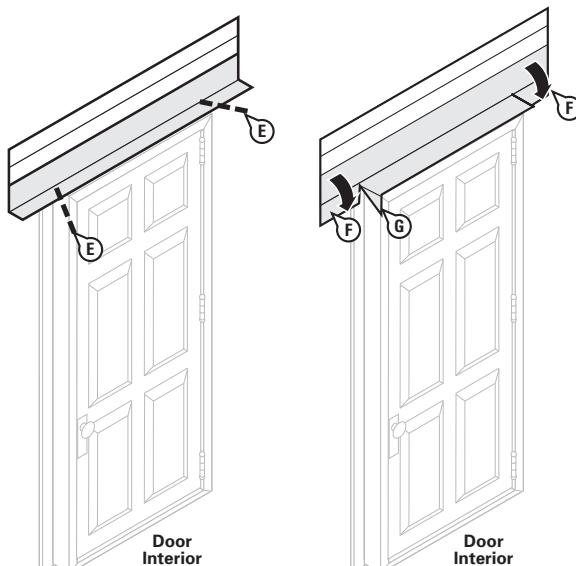
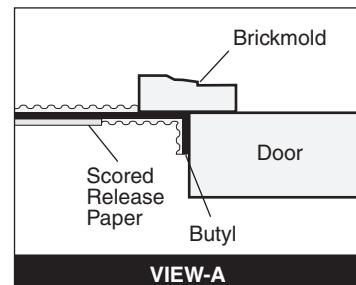
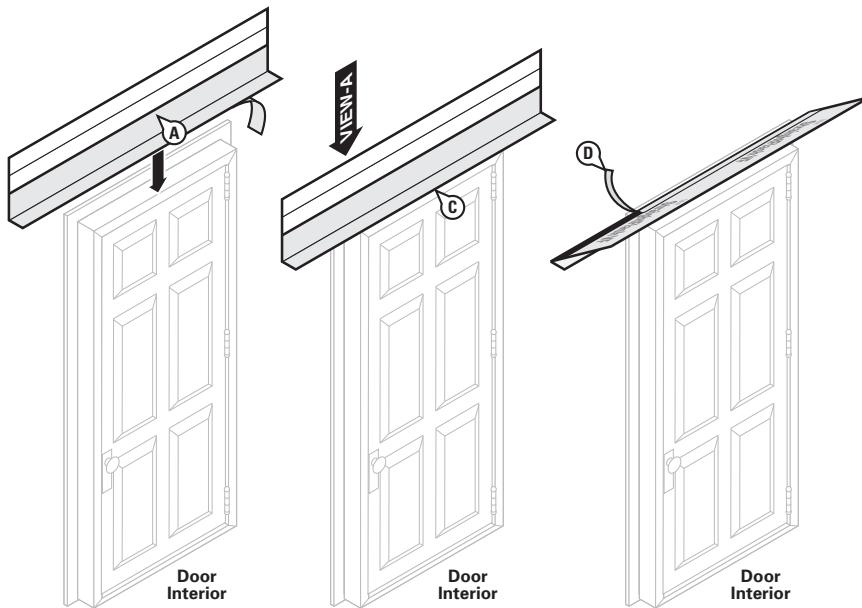
Note: This step is not required for Brick Mold Doors

- A. Apply field applied flanges in the correct shingling fashion as per manufacturers' installation instructions. **DO NOT REVERSE SHINGLE.**
- B. Cut 3"x 3" piece of DuPont™ FlexWrap™.
- C. Apply to back of flange corners before applying DuPont™ StraightFlash™ VF.
- D. Staple patches in corners and secure to wooden head and jambs.



STEP 6 (FOR FIELD APPLIED AND BRICK MOLD DOORS)

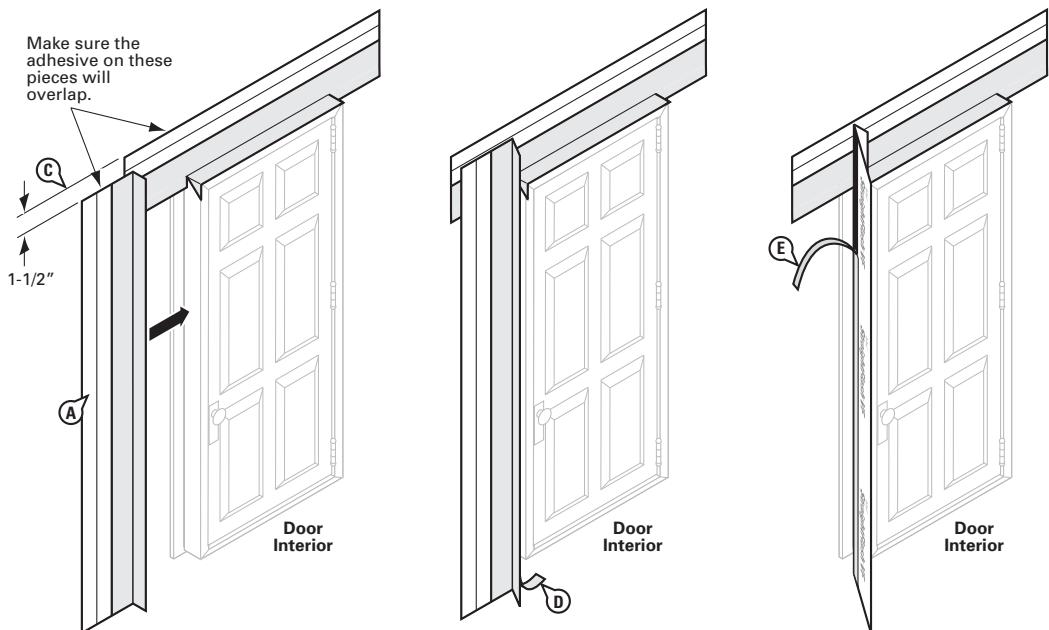
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one edge of the head flashing by folding it back and forth upon itself.
- C. Center the flashing along the length of the door head and position so that it contacts the door frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
- D. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- E. At the corner of the door frame, cut the DuPont™ StraightFlash™ VF at a 45° angle.
- F. Fold it down flat against the brick mold or flange.
- G. Fold remaining head flashing ears down onto the jamb frame.



DuPont™ Flashing Systems Installation Guidelines

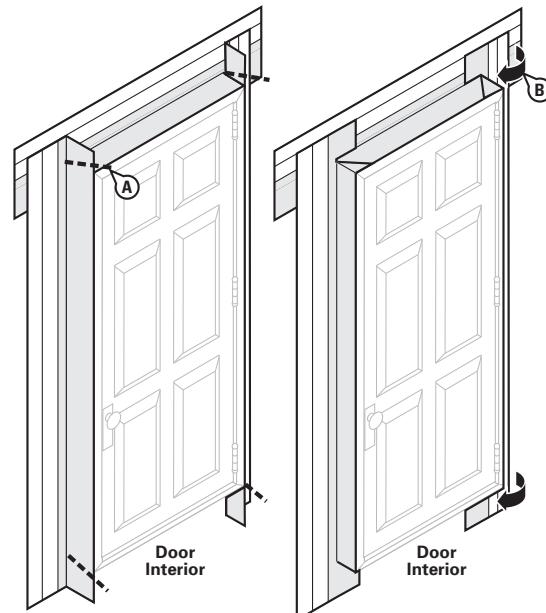
STEP 7

- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that it contacts the door frame and interior side of the brick mold or flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive by 1-inch.**
- D. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
- E. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- F. Repeat Step 7 for opposite side of door.



STEP 8

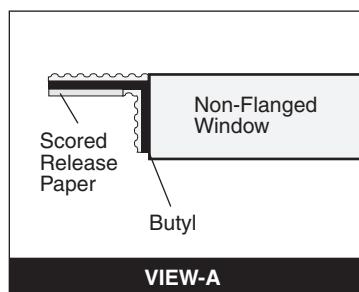
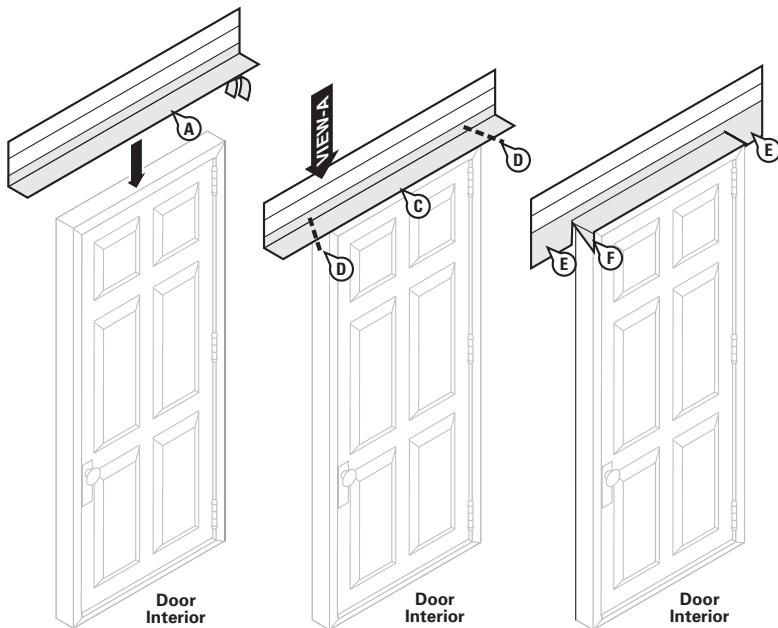
- A. At the corner of the door frame, cut the DuPont™ StraightFlash™ VF along both corners at a 45° angle.
- B. Fold non-adhered jamb flashing down flat against the head flashing.
- C. Fold remaining jamb flashing ears down onto the head of the door.



A. FOR NON-FLANGED DOORS ONLY

STEP 6A

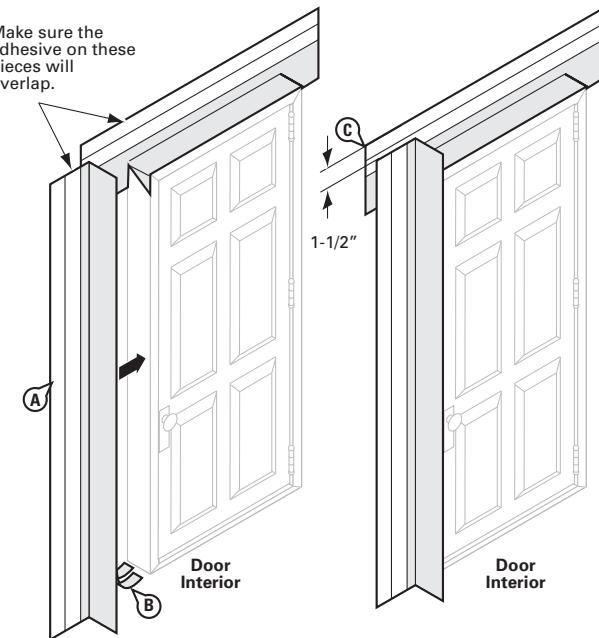
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches longer than the head length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Center the flashing along the length of the door and position so that it contacts the door frame.
- D. At the corner of the door frame, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle.
- E. Fold it down flat in the vertical direction parallel to the door frame.
- F. Fold remaining head flashing onto to the jamb.



DuPont™ Flashing Systems Installation Guidelines

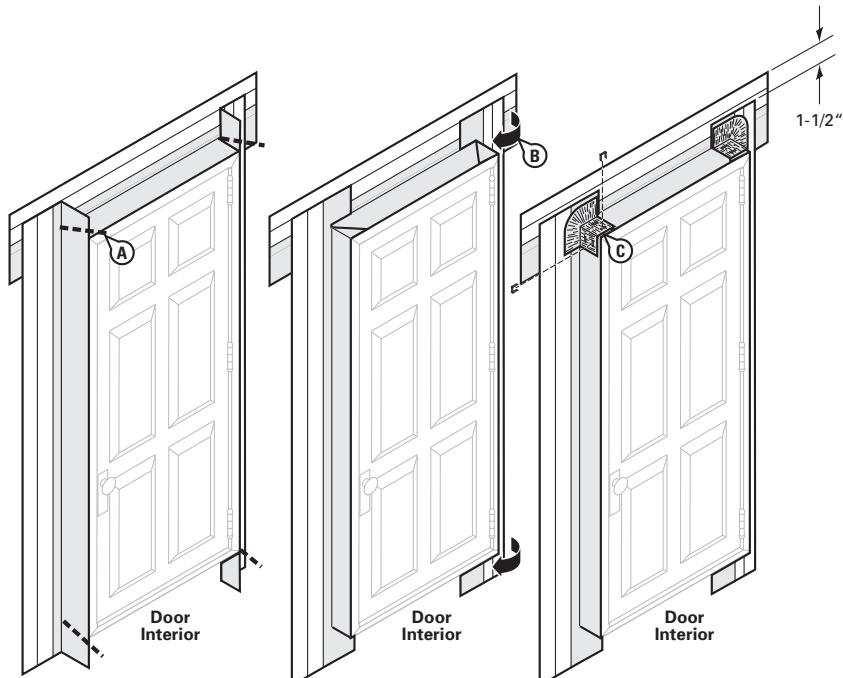
STEP 7A

- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches longer than the jamb length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Position so that it contacts the door frame up to the exterior face of the door. Ensure that the jamb flashing is positioned 1-1/2 inches below top of head flashing.
Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one inch.
- D. Repeat step for the other jamb.



STEP 8A

- A. At the corner of the door frame cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle and fold it over flat to adhere it against the head flashing.
- B. Repeat on opposite jamb.
- C. Cut two 3" x 3" DuPont™ FlexWrap™ squares and add patches to corners of the door. Staple patches in corners to secure to wooden head and jambs.

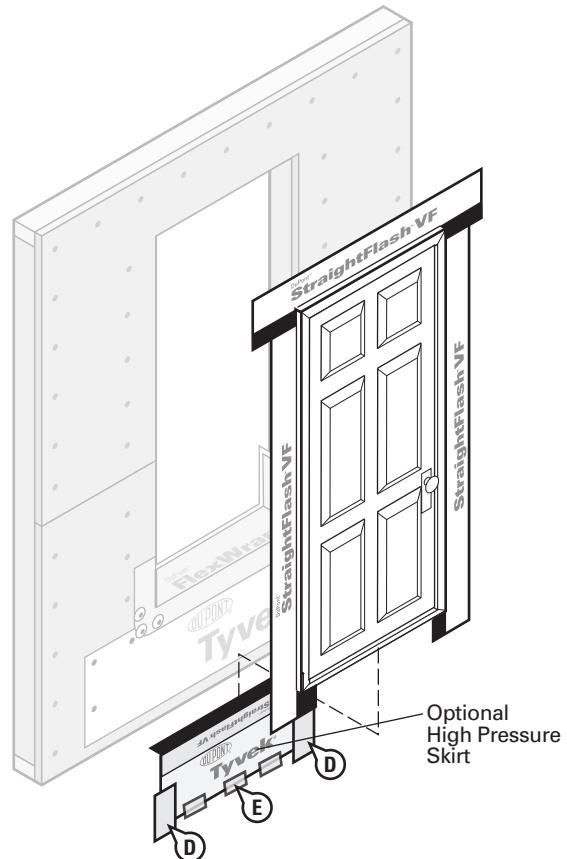
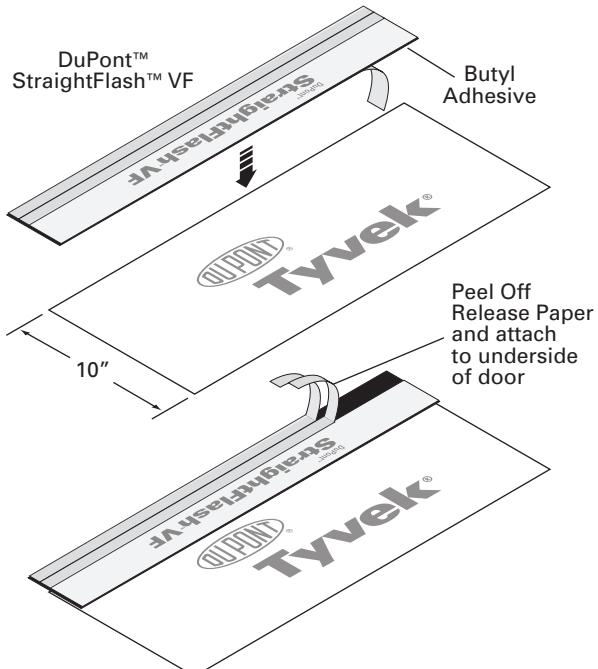


FOR BRICK MOLD, FIELD APPLIED AND NON-FLANGED DOORS

STEP 9 (OPTIONAL) - HIGH PRESSURE SKIRT

For extreme weather conditions, see General Instructions.

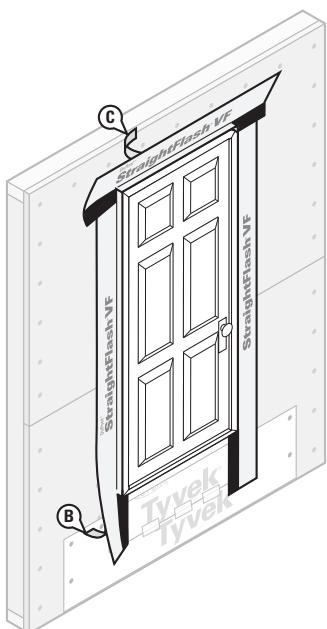
- A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® 1" wider than the width of door opening and approximately 10" in depth.
- B. Cut a piece of DuPont™ StraightFlash™ VF to the same width of skirt. Remove release paper from one side of DuPont™ StraightFlash™ VF and adhere to DuPont™ Tyvek®. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
- C. Remove the release paper from the other side of DuPont™ StraightFlash™ VF and adhere the butyl adhesive at the sill skirt to the underside of the door threshold behind the jamb flashing.
- D. Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash.
- E. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.



DuPont™ Flashing Systems Installation Guidelines

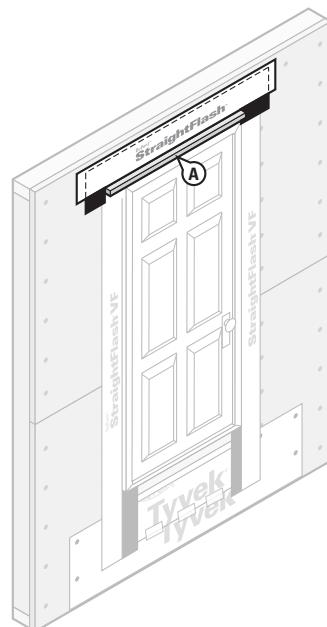
STEP 10

- A. Install door according to manufacturer's installation instructions.
- B. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek®.
- C. Remove the release paper at the head and adhere it to the exterior sheathing or framing members.
- D. Optional: Cover exposed butyl with DuPont™ StraightFlash™ or DuPont™ Tyvek® Tape.



STEP 11

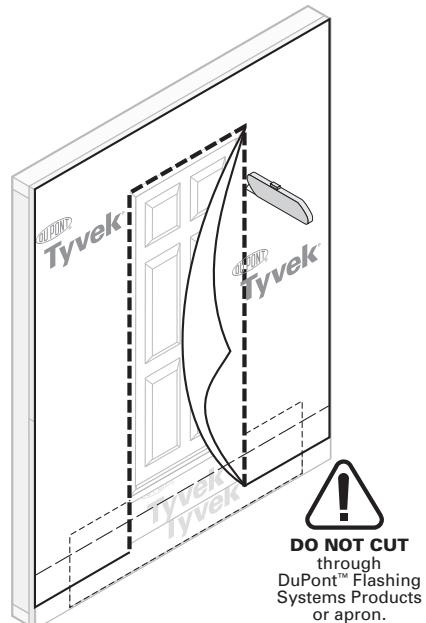
- A. Cut a piece of metal or vinyl drip cap slightly longer than the door's width and place a bead of DuPont™ Weatherization Sealant on the rear side. Install the drip cap tight against the door head and cover the top edge with DuPont™ StraightFlash™.



STEP 12

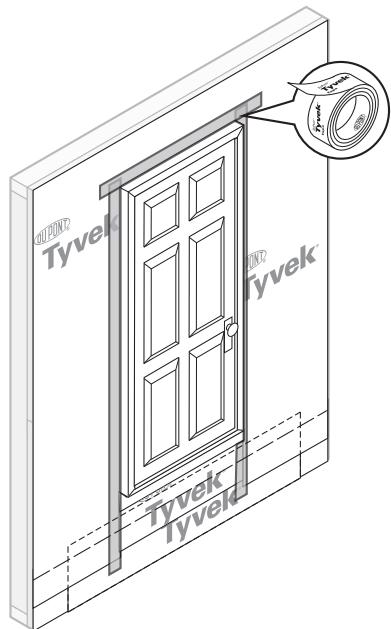
- A. After wrapping WRB, cut as shown to expose door and apron. (Refer to the DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines to install the WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 13

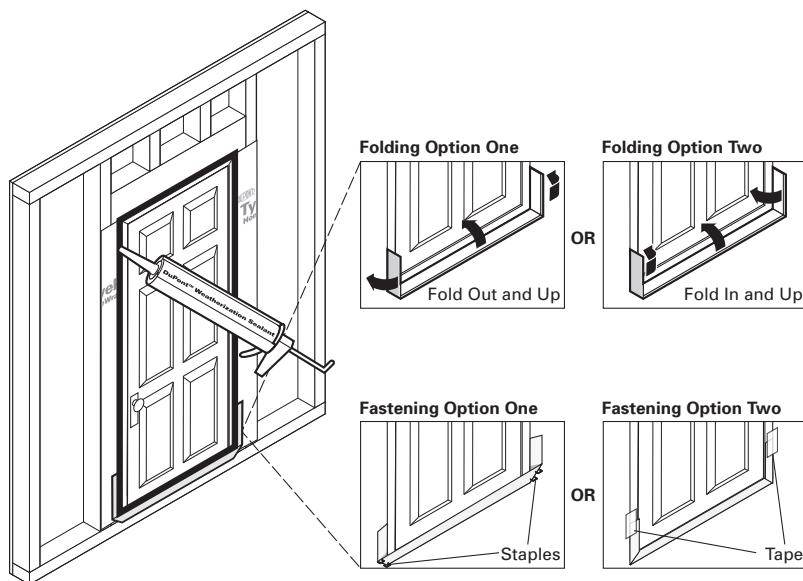
- A. Tape seams as shown. **DO NOT TAPE** at bottom of door. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape; if an air barrier is not required or if additional drainage is desired, then skip-tape at the head.
- B. Lap bottom of apron and WRB over building materials below for proper shingling.



STEP 14

Final Step

- A. When the interior flooring is ready to install, remove release paper and use Option One or Option Two to form back dam.
- B. Tool sealant around all sides of the door opening at the interior using DuPont™ Weatherization Sealant or DuPont Recommended Low Expansion Foam (and backer rod as necessary).



Technical Specifications

DuPont™ Tyvek® WRBs used in construction products is made from 100% flash spunbonded high density polyethylene fibers which have been bonded together by heat and pressure, without binders or fillers, into a tough, durable sheet structure. Additives have been incorporated into the polyethylene to provide ultraviolet light resistance. DuPont requires that DuPont™ Tyvek® WRBs be covered within four months (120 days) of installation.

DuPont™ Flashing Systems products are made from a synthetic rubber adhesive and a laminate of polyethylene film, elastic fiber, synthetic rubber adhesive, polyurethane adhesive, and a top sheet of flash spunbonded high density polyethylene fibers. Additives have been incorporated into these materials to provide ultraviolet light resistance. DuPont requires that DuPont™ Flashing Systems products be covered within four months (120 days) of installation.

Warning

DuPont™ Tyvek® WRBs are slippery and should not be used in any application where it will be walked on. In addition, because it is slippery, DuPont recommends using kickjacks or scaffolding for exterior work above the first floor. If ladders must be used, extra caution must be taken to use them safely by following the requirements set forth in ANSI Standards 14.1, 14.2 and 14.5 for ladders made of wood, aluminum, and fiberglass, respectively. DuPont™ Tyvek® is combustible and should be protected from a flame and other high heat sources. DuPont™ Tyvek® will melt at 275°F (135°C) and if the temperature of DuPont™ Tyvek® reaches 750°F (400°C), it will burn and the fire may spread and fall away from the point of ignition. For more information, call 1-800-44-Tyvek.

DuPont™ Flashing Systems products and their release paper are slippery and should not be walked on. Remove release paper from work area immediately. DuPont™ Flashing Systems products will melt at temperatures greater than 250°F (121°C). DuPont™ Flashing Systems products are combustible and should be protected from flame and other high heat sources. DuPont™ Flashing Systems products will not support combustion if the heat source is removed. However, if burning occurs, ignited droplets may fall away from the point of ignition. For more information, call 1-800-44-Tyvek.

DuPont™ Weatherization Sealant is irritating to skin, eyes, and respiratory tract. For proper usage, follow directions stated on the product label. For health information, refer to the Material Safety Data Sheet or call Chemtrec at 1-800-424-9300.

Note

When installed in conjunction with other building materials, DuPont™ Flashing Systems products must be properly shingled with these materials, such that water is diverted to the exterior of the wall system. DuPont™ Tyvek® products are WRBs and not the primary water barrier (the outer facade is the primary barrier). You must follow façade manufacturer's installation and maintenance requirements for all façade systems in order to maintain water holdout properties and ensure performance of DuPont™ Tyvek®. Use of additives, coatings or cleansers on or in the façade system may impact the performance of DuPont™ Tyvek® water-resistive barriers. DuPont™ Tyvek® Weatherization Systems products are to be used as outlined in this installation guideline. DuPont™ Flashing Systems products should only be used to seal penetrations and flash openings in houses or buildings. DuPont™ Flashing Systems products are not to be used in roofing applications. For superior protection against bulk water penetration, DuPont suggests a system combining a quality exterior facade, a good secondary WRB, an exterior sheathing, appropriate flashing materials and details. In addition, DuPont suggests to use high quality windows and doors with particular attention to proper installation of each component. In a system where no exterior sheathing is used and DuPont™ Tyvek® is installed directly over the wall studs, exterior facade materials should be selected to ensure maximum protection against water intrusion. Careful workmanship and proper installation of each component is very important.

DuPont believes this information to be reliable and accurate. The information may be subject to revision as additional experience and knowledge is gained. It is the user's responsibility to determine the proper construction materials needed.

For complete warranty information, please call 1-800-44-Tyvek. To submit a warranty claim, please contact DuPont at www.Construction.Tyvek.com or call 1-800-44-Tyvek. Warranty coverage requires submission of proof of purchase of the DuPont™ Tyvek® at issue.

This information is not intended to be used by others for advertising, promotion or other publication for commercial purposes

For more information about DuPont™ Tyvek® Weatherization Systems, please call 1-800-44-Tyvek or visit us at www.Construction.Tyvek.com



The miracles of science™

**DuPont™
Flashing Systems**



www.HouseofAntiqueHardware.com (888) 223-2545 7:00 am - 5:30 pm M-F, Pacific

PAIR OF 1 1/2" OFFSET GALVANIZED IRON SHUTTER STRAP HINGES WITH PLATE PINTLES



Features

- Iron and Steel Construction
- Galvanized and Powder Coated to Resist Rust
- Lift-Off Design for Easy Installation and Removal
- Authentic Colonial-Era Design
- Reversible for Left or Right Handing

Details

Style	Colonial
Item Sold As	Set of 2 Hinges and 2 Pintles
Included Hardware	12 Matching Screws
Usually Ships In	1 to 2 Business Days More info >
Warranty	5 Year Warranty

5 Reviews [Write a Review](#)

100% of respondents would recommend this to a friend

[Read Product Questions & Answers](#)

Strap Hinge Size: Choose -

Item #: R-09DE-142X

Price: \$22.29 – \$31.89

Description & Dimensions

These traditional Colonial style hinges are still popular today! The straps are forged out of steel and the pintles are made of solid cast iron, both galvanized. These versatile hinges can be mounted to show either when the shutters are open or closed. The rough textured black powder coating provides a great period look and helps reduce rust. The hinges lift off and are reversible, making installation and maintenance simple. These sturdy hinges will last a lifetime.

Dimensions. Strap width: 1 5/8". Strap Lengths: 10", 12", 14" & 16" (from end to center of pintle hole). Thickness: 1/16". Offset: 1 1/2" (from back of strap to center of pintle). Throw: 3". Mounting plate: 3 3/8" H x 1 1/4" W. pintle rod: 7/16" diameter.

[Technical Info with Diagram](#)

Pair of 3/4" Offset Galvanized Iron
From \$21.89

Pair of 9 1/4" Heart-Tip Shutter
From \$24.09



Pair of Shutter Strap Hinges with
From \$28.99

Pair of Shutter-Strap Hinges with
From \$34.99



Pair of Plate-Mount Classic Shutter
From \$29.39

Pair of 7/16" Diameter Traditional
From \$14.79



www.HouseofAntiqueHardware.com (888) 223-2545 7:00 am - 5:30 pm M-F, Pacific

PAIR OF GALVANIZED IRON DUMMY SCROLL SHUTTER DOGS WITH BEVELED EDGE



Features

- Heavy Cast-Iron For Durability
- Galvanized and Powder Coated to Resist Rust
- Easy Surface-Mount Installation

Details

Style	Colonial / Classical / Romantic
Item Sold As	Pair
Included Hardware	2 Matching Phillips Head Screws
Usually Ships In	1 to 2 Business Days More info >
Warranty	5 Year Warranty

4.8 [13 Reviews](#) [Write a Review](#)

100% of respondents would recommend this to a friend

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Item #: R-09DE-147

Price: \$15.19

People Interested in This Item Also Liked...



[Galvanized Iron Faux Shutter Hinge](#)

From \$5.39



[Pair of Galvanized Iron Dummy](#)

From \$15.19



[Pair of Galvanized Steel Suffolk-](#)

From \$20.99



[Pair of Galvanized Steel NY-Style](#)

From \$9.49



[Pair of Large Iron Scroll Shutter](#)

From \$26.79



[Pair of Galvanized Iron Scroll](#)

From \$22.79

Description & Dimensions

Get the look of functional hardware with these dummy tie backs. Intended for use with fixed shutters (wood or vinyl), they'll give your windows an authentic appearance. Made of heavy duty cast iron, galvanized and finished with a rust resistant black powder coat. These faux shutter dogs are easily installed with a wood screw to the bottom rail of the shutter.

Dimensions. Tie back: 6 3/4" H x 3" W x 3/16".