REVISE DATES:

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OWNER:
AMERICAN PRIME CONSTRUCTION LLC

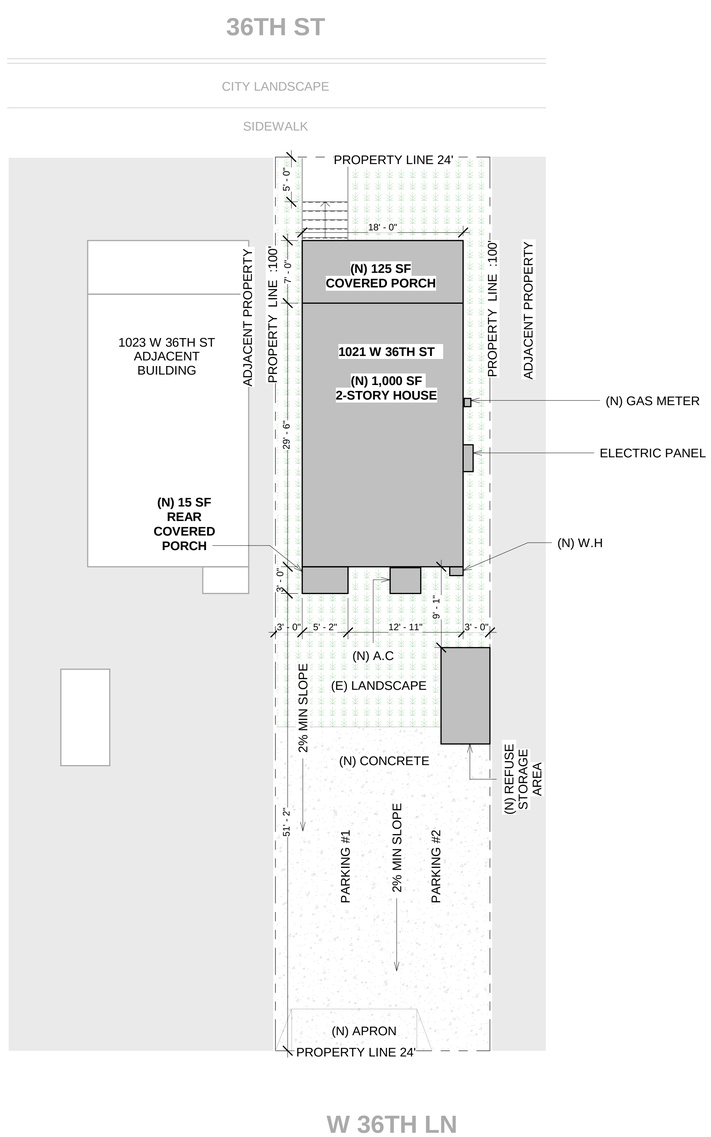
ADDRESS:
1021 W 36TH ST
SAVANNAH, GA, 31315

1021 W 36TH ST
RESIDENCE

(818) 935-1171
SECDEVELOPMENT.NET
S | E | C development
(818) 935-1171
SECDEVELOPMENT.NET

PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	1/8" = 1'

A-1



1 SITE PLAN
1/8" = 1'-0"

CITY APPROVAL STAMP

PROJECT INFORMATION	
ZONING DESIGNATION:	TR-1
OCCUPANCY:	R-1
CONSTRUCTION TYPE:	TYPE-VB
FIRE SPRINKLERED:	NFPA R13 COMPLIANT
LOT SIZE:	2,400 SF
NEW HOUSE:	1,000 SF
NEW COVERED PORCH TOTAL	125 SF
NEW REAR COVERED PORCH TOTAL	15 SF
LOT COVERAGE:	1,000 SF + 125 SF + 15 SF = 1,140 SF TOTAL 2,400 SF LOT = 48% < 50% ALLOWED
NUMBER OF STORIES:	2
BUILDING HEIGHT:	26'-2"
VERY HIGH FIRE HAZARD SEVERITY ZONE:	NO
HILLSIDE ZONE:	NO
METHANE ZONE:	NO
LIQUEFACTION:	NO
FLOOD ZONE:	X (LOW TO MODERATE)

LEGAL DESCRIPTION	
ADDRESS:	1021 W 36TH ST SAVANNAH, GA, 31315
TRACT:	H133 HOPKINS-FLORENC
LOT:	LETTER D SUB OF LOTS 33-36
APN:	20067 09014

SCOPE OF WORK

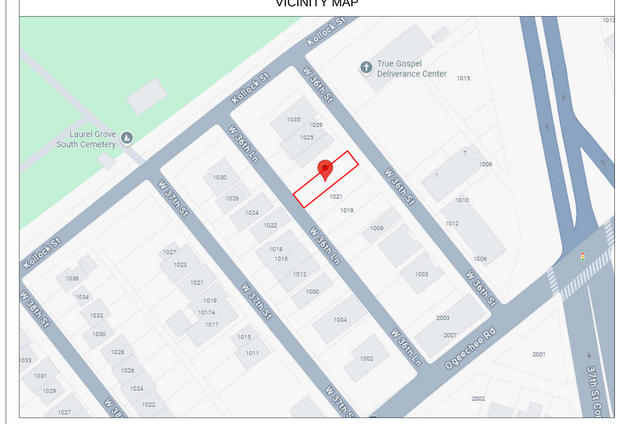
- (N) 1,000 SF 2-STORY HOUSE
- (N) 125 SF COVERED PORCH
- (N) 15 SF COVERED PORCH

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:
VARDAN KASEMYAN
VARDAN@SECDEVELOPMENT.NET
(818) 935-1171

SHEET INDEX

A-1	1021 RESIDENCE
A-2	SITE PLAN
A-3	FIRST FLOOR PLAN
A-4	SECOND FLOOR PLAN
A-5	REFUSE AREA FLOOR & ELEVATIONS
A-6	ROOF PLAN
A-7	ELEVATIONS
A-8	SECTIONS
A-9	SPECIFICATIONS
A-10	MATERIAL BOARD
A-11	GENERAL NOTES
A-13	GENERAL NOTES
A-14	FLASHING DETAILS & FIRE & SOUND RATED WALLS
A-15	RENDERING

VICINITY MAP



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SITE PLAN

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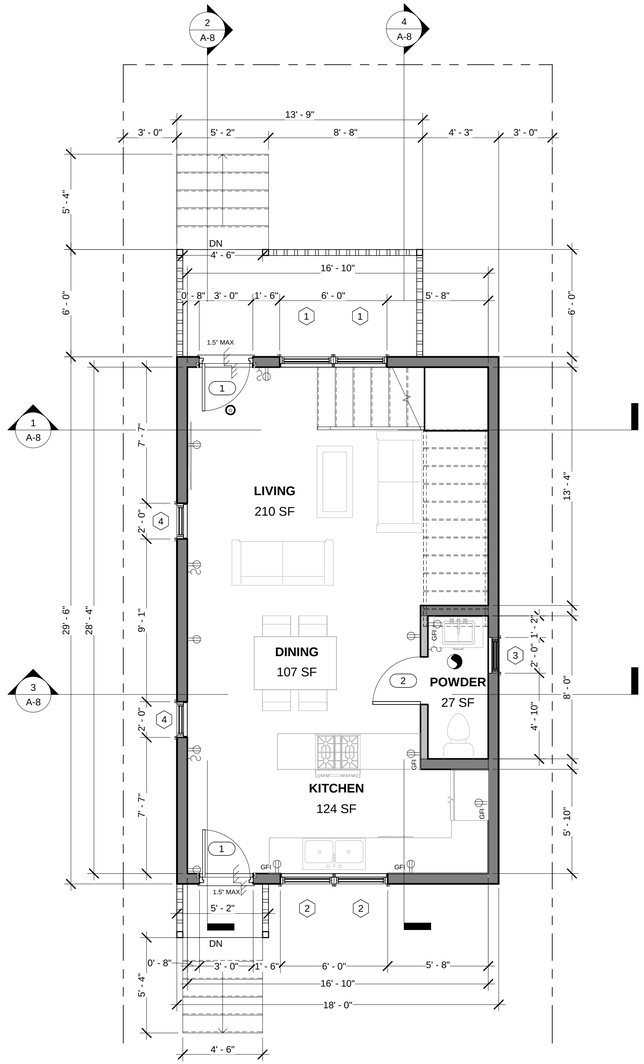
A-2



1 FIRST FLOOR PLAN
1/4" = 1'-0"

PROPOSED FIRST FLOOR DOOR SCHEDULE									
Mark	WIDTH	HEIGHT	OPERATION	FRAMING	MATERIAL	QUANTITY	TEMPERED	U-FACTOR	SHGC
1	3' - 0"	8' - 0"	SWING	WOOD	WOOD / GLASS	2	Yes	0.30	0.25
2	2' - 8"	8' - 0"	SWING	WOOD	WOOD	1	No	N/A	N/A

PROPOSED FIRST FLOOR WINDOW SCHEDULE								
MARK	WIDTH	HEIGHT	OPERATION	TEMPERED	SILL HEIGHT	QUANTITY	U-FACTOR	SHGC
1	3' - 0"	5' - 0"	HUNG	No	3' - 0"	2	0.30	0.25
2	3' - 0"	4' - 6"	HUNG	Yes	3' - 6"	2	0.30	0.25
3	2' - 0"	3' - 0"	HUNG	Yes	5' - 0"	1	0.30	0.25
4	2' - 0"	5' - 0"	HUNG	No	3' - 0"	2	0.30	0.25

LEGEND	
NEW WALL (2X4)	
NEW WALL (2X6)	
ENERGY STAR EXHAUST 50 CFM DUCTED TO OUTSIDE AND CONTROLLED BY HUMIDISTAT	
SMOKE DETECTOR/ CARBON MONOXIDE	

ELECTRICAL LEGEND	
S	SINGLE SWITCH
S2	DOUBLE SWITCH
SD	DIMMER SWITCH
SV	VACANCY SENSOR SWITCH
	DOUBLE OUTLET
GFI	GFI OUTLET
R	RANGE OUTLET
240V	240V OUTLET

NOTE:

1. SMOKE ALARM SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72.

2. CARBON MONOXIDE ALARM SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP.

3. FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF LESS THAN 50% TO A MAXIMUM OF 80% UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM.

4. ALL SHOWER ENCLOSURES SHOULD BE TEMPERED GLAZING.

5.THE NFRC TEMPORARY LABEL DISPLAYED ON WINDOWS AND SKYLIGHTS (INCLUDE TUBULAR) MUST REMAIN ON THE UNIT UNTIL FINAL INSPECTION HAS BEEN COMPLETED.

6. ALL RECEPTACLES IN BATHROOMS, GARAGES, ACCESSORY BUILDINGS, OUTDOORS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS, (WHERE RECEPTACLES SERVE COUNTER TOP SURFACES), LAUNDRY, UTILITY, WET BAR SINKS (WITHIN 6' OF THE EDGE OF THE SINK), SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER **(GFCI)**

7. ALL BRANCH CIRCUITS SUPPLYING RECEPTACLES IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER **(AFCI)**

8.ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHODS. (4.406.1)

10. SIMULATED DIVIDED LIGHT WINDOWS SHALL BE PERMITTED PROVIDED THAT THE MUNTIN IS 7/8 INCHES OR LESS, THE MUNTIN PROFILE SHALL SIMULATE TRADITIONAL PUTTY GLAZING, THE LOWER SASH SHALL BE WIDER THAN THE MEETING AND TOP RAILS, AND THERE SHALL BE A SPACER BAR IN BETWEEN DOUBLE PANES OF GLASS. BETWEEN-THE-GLASS, SNAP-IN OR APPLIED MUNTINS SHALL NOT BE PERMITTED.

NATURAL LIGHT CALCULATION:	VENT CALCULATIONS:
(N) KITCHEN/DINING/LIVING: 441 SF	**(N) KITCHEN/DINING/LIVING: 441 SF**
441 SF X 10% = 44.1 SF (N) WINDOW 1 = 15 SF X 2 = 30 SF (N) WINDOW 2 = 12.5 SF X 2 = 25 SF (N) WINDOW 4 = 10 SF X 2 = 20 SF REQUIRED: 44.1 SF PROVIDED: 69.28 SF	441 SF X 5% = 22.05 SF (N) WINDOW 1 = 7.5 SF X 2 = 15 SF (N) WINDOW 2 = 6.25 SF X 2 = 12.5 SF (N) WINDOW 4 = 5 SF X 2 = 10 SF REQUIRED: 22.05 SF PROVIDED:37.5 SF

CITY APPROVAL STAMP

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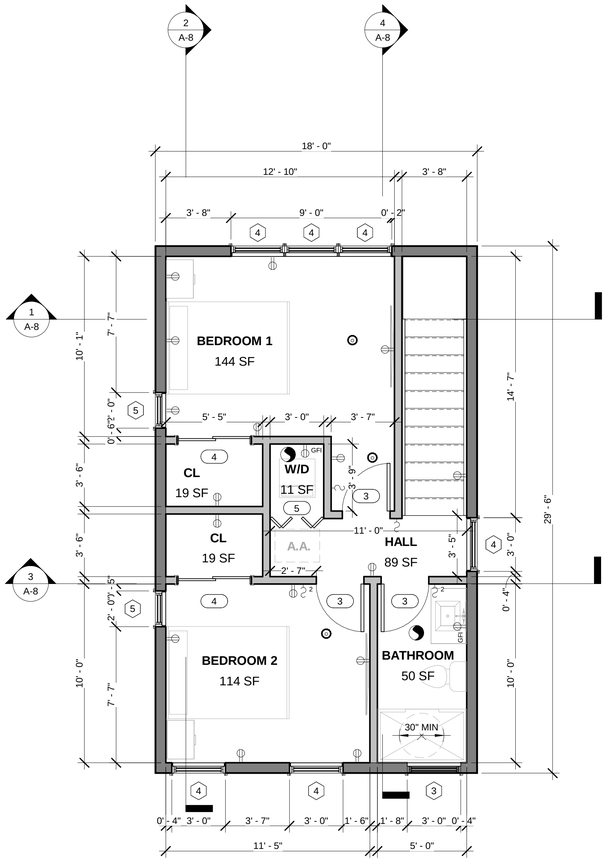
SAVANNAH, GA, 31315

FLOOR PLAN

SECDEVELOPMENT.NET
(818) 484-7111
SEC development
SECDEVELOPMENT.NET
(818) 484-7111

PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	1/4" = 1'

A-3



1 SECOND FLOOR
1/4" = 1'-0"

PROPOSED SECOND FLOOR DOOR SCHEDULE									
Mark	WIDTH	HEIGHT	OPERATION	FRAMING	MATERIAL	QUANTITY	TEMPERED	U-FACTOR	SHGC
3	2' - 8"	6' - 8"	SWING	WOOD	WOOD	3	No	N/A	N/A
4	4' - 0"	7' - 0"	SLIDING	WOOD	WOOD	2	No	N/A	N/A
5	3' - 0"	6' - 8"	BI-FOLD	WOOD	WOOD	1	No	N/A	N/A

PROPOSED SECOND FLOOR WINDOW SCHEDULE								
MARK	WIDTH	HEIGHT	OPERATION	TEMPERED	SILL HEIGHT	QUANTITY	U-FACTOR	SHGC
3	3' - 0"	3' - 0"	HUNG	Yes	4' - 6"	1	0.30	0.25
4	3' - 0"	4' - 0"	HUNG	No	3' - 6"	6	0.30	0.25
5	2' - 0"	4' - 0"	HUNG	No	3' - 6"	2	0.30	0.25

LEGEND	
NEW WALL (2X4)	
NEW WALL (2X6)	
ENERGY STAR EXHAUST 50 CFM DUCTED TO OUTSIDE AND CONTROLLED BY HUMIDISTAT	
SMOKE DETECTOR/ CARBON MONOXIDE	

ELECTRICAL LEGEND	
S	SINGLE SWITCH
S2	DOUBLE SWITCH
SD	DIMMER SWITCH
SV	VACANCY SENSOR SWITCH
	DOUBLE OUTLET
GFI	GFI OUTLET
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NATURAL LIGHT CALCULATION:	VENT CALCULATIONS:
(N) BEDROOM 1: 144 SF 144 SF X 10% = 14.4 SF (N) WINDOW 4 = 12 SF X 3 = 36 SF (N) WINDOW 5 = 8 SF X 1 = 8 SF REQUIRED: 14.4 SF PROVIDED: 44 SF	**(N) BEDROOM 1: 144 SF** 144 SF X 5% = 7.2 SF (N) WINDOW 4 = 6 SF X 3 = 18 SF (N) WINDOW 5 = 4 SF X 1 = 4 SF REQUIRED: 7.2 SF PROVIDED: 22 SF
(N) BEDROOM 2: 114 SF 114 SF X 10% = 11.4 SF (N) WINDOW 4 = 12 SF X 2 = 24 SF (N) WINDOW 5 = 8 SF X 1 = 8 SF REQUIRED: 11.4 SF PROVIDED: 32 SF	**(N) BEDROOM 2: 114 SF** 114 SF X 5% = 11.4 SF (N) WINDOW 4 = 6 SF X 2 = 12 SF (N) WINDOW 5 = 4 SF X 1 = 4 SF REQUIRED: 11.4 SF PROVIDED: 16 SF

CITY APPROVAL STAMP

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PROPOSED SECOND FLOOR PLAN

SECDEVELOPMENT.NET
(818) 484-7111
S E C development
SECDEVELOPMENT.NET
(818) 484-7111

PROJECT INFO	
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DATE DRAWN:	09/16/26
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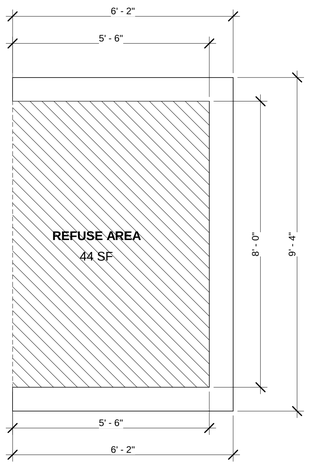
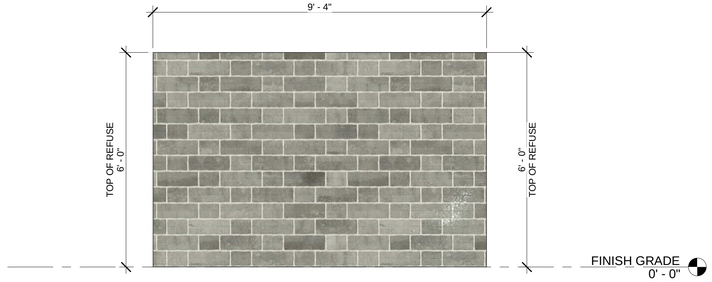
CHECKED BY:	A.G.
SCALE:	1/4" = 1'

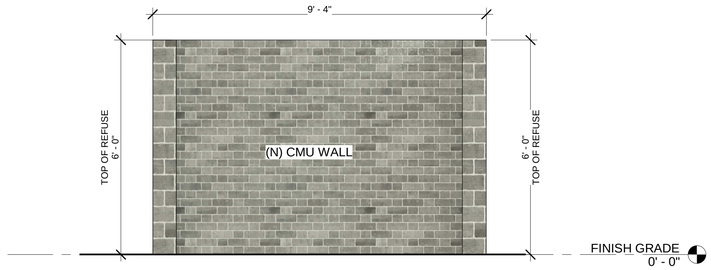
A-4



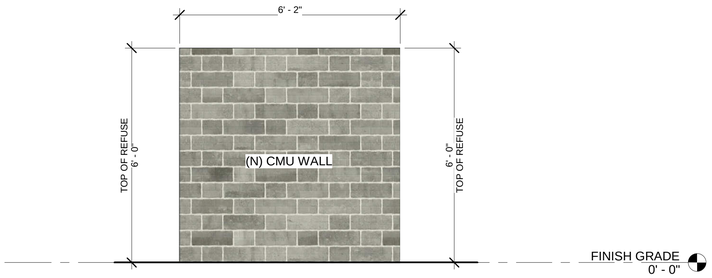
1 REFUSE AREA FLOOR PLAN
1/2" = 1'-0"



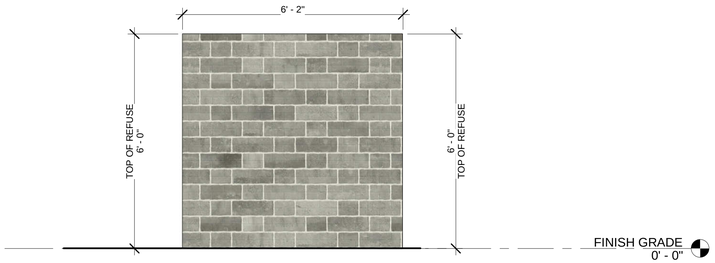
2 REFUSE AREA EAST ELEVATION
1/2" = 1'-0"



3 REFUSE AREA WEST ELEVATION
1/2" = 1'-0"

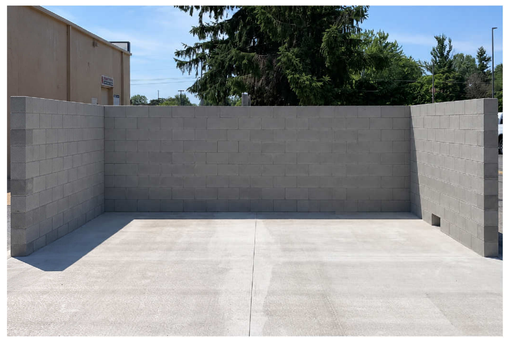


4 REFUSE AREA NORTH ELEVATION
1/2" = 1'-0"



5 REFUSE AREA SOUTH ELEVATION
1/2" = 1'-0"

CITY APPROVAL STAMP



REFUSE

MATERIAL: CMU BLOCK

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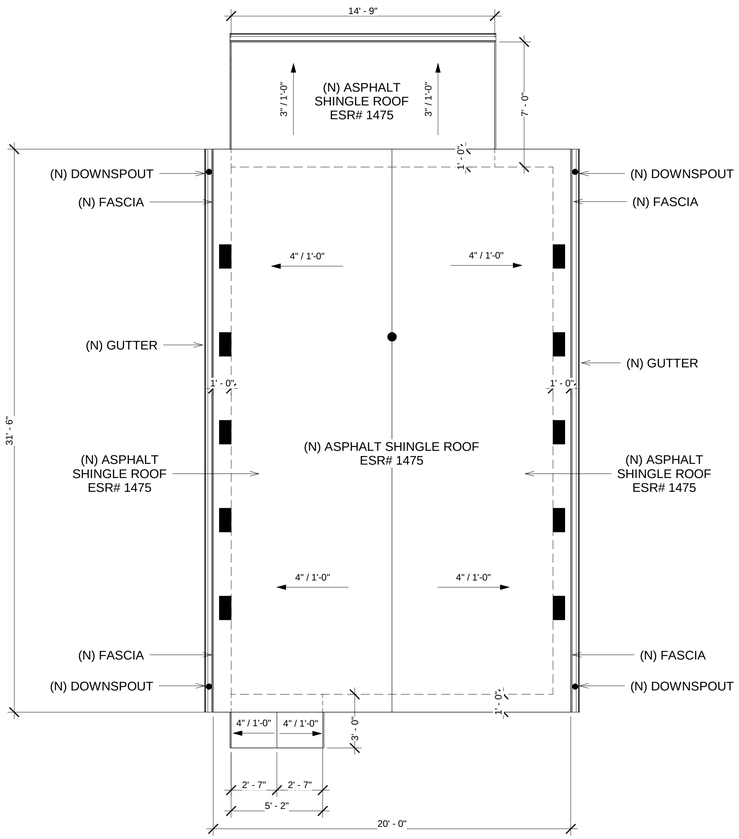
A-5



1 SECOND FLOOR ROOF
1/4" = 1'-0"

CITY APPROVAL STAMP

VENT LEGEND (TOP OF ROOF)		
TYPE OF VENT	SYMBOL	QUANTITY
ERV 4 EXHAUST	●	1
16 X 8 UNDEREAVE VENT	▬	10

NOTES:

THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE SOLAR ELECTRIC INSTALLATION. THE RESERVED SPACE SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INOUT FEEDER LOCATION OR MAIN CIRCUIT LOCATION AND SHALL BE PERMANENTLY MARKED AS "FOR FUTURE SOLAR ELECTRIC" (4.211.4, ENERGY CODE & 110.10, LAFD REQUIREMENT NO. 96)

A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM ENERGY CODE SECTIONS 110.10(B) THROUGH 110.10(C) SHALL BE PROVIDED TO THE OCCUPANT. ENERGY CODE 110.10(D)

(TOP OF ROOF) ATTIC VENT CALCULATIONS:

1 SQUARE FEET FOR EVERY 150 SQUARE FEET ATTIC FLOOR AREA

REQUIRED:

ERV4 EXHAUST ATTIC VENT = SUFFICIENT FOR 1,600 SF ATTIC

ERV4 EXHAUST ATTIC VENT REQUIRES 480 SQ IN INTAKE VENT

PROVIDED:

16X8 UNDEREAVE VENT PROVIDES 56 SQ IN NET FREE AREA

480 SQ IN / 56 SQ IN = (8.5) 16X8 UNDEREAVE VENTS

560 SQ IN OF NET FREE VENT PROVIDED > 480 SQ IN NET FREE VENT REQUIRED

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ROOF PLAN

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A-6

(TOP OF ROOF) ATTIC VENT CALCULATIONS:

1 SQUARE FEET FOR EVERY 150 SQUARE FEET ATTIC FLOOR AREA

REQUIRED:

530 SF OF CRAWLSPACE / 150 = 3.5 SQ FT

3.5 SF X 144 = 504 SQ IN

PROVIDED:

16X8 CRAWLSPACE VENT PROVIDES 56 SQ IN NET FREE AREA

30 X 24 CRAWLSPACE ACCESS PROVIDES 200 SQ IN

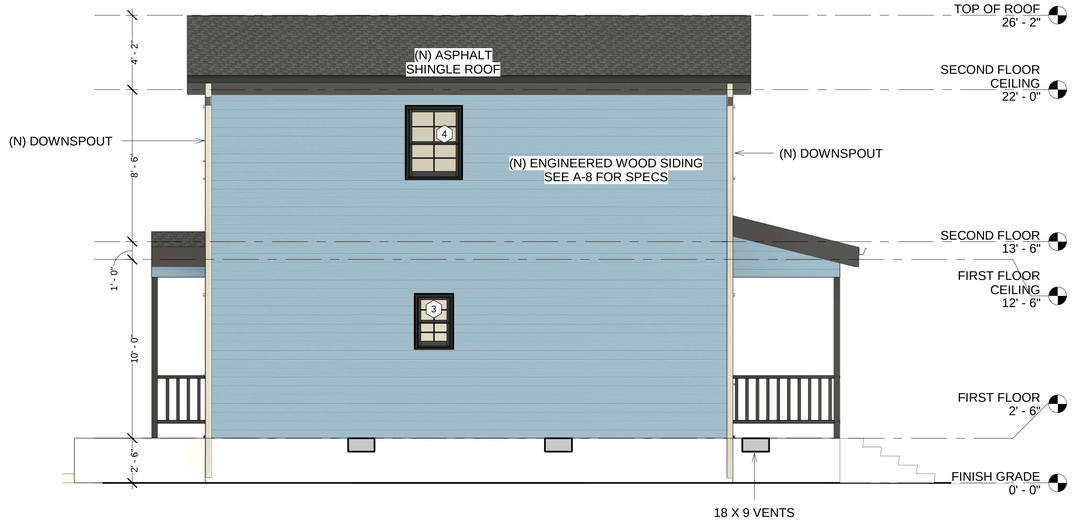
PROVIDED 1 CRAWLSPACE ACCESS DOOR = 200 SQ IN
PROVIDED 6 CRAWLSPACE VENTS = 336 SQ IN

536 SQ IN OF NET FREE VENT PROVIDED > 504 SQ IN NET FREE VENT REQUIRED

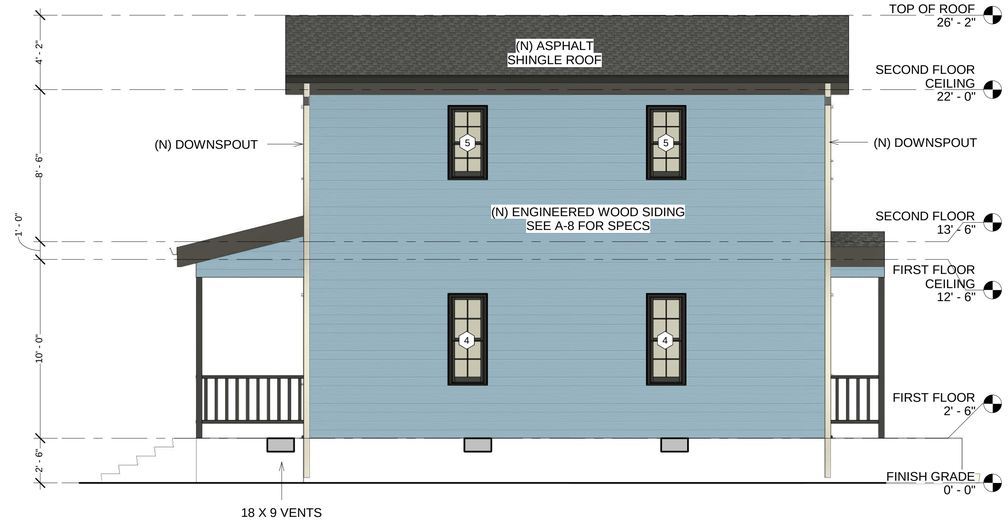
FOUNDATION CONTRIBUTORY BUILDINGS DATA		
ADDRESS	TOTAL FOUNDATION HEIGHT	AVERAGE FOUNDATION HEIGHT
1015 W 36TH ST	30'	30'
1009 W 36 TH ST	30'	
1003 W 36TH ST	30'	

CONTRIBUTARY BUILDINGS DATA		
ADDRESS	TOTAL HEIGHT	PORCH HEIGHT
1019 W 37 TH ST	23'	21'
1025 W 38 TH ST	26'	15'
2101 OGEECHEE RD	25'	14'

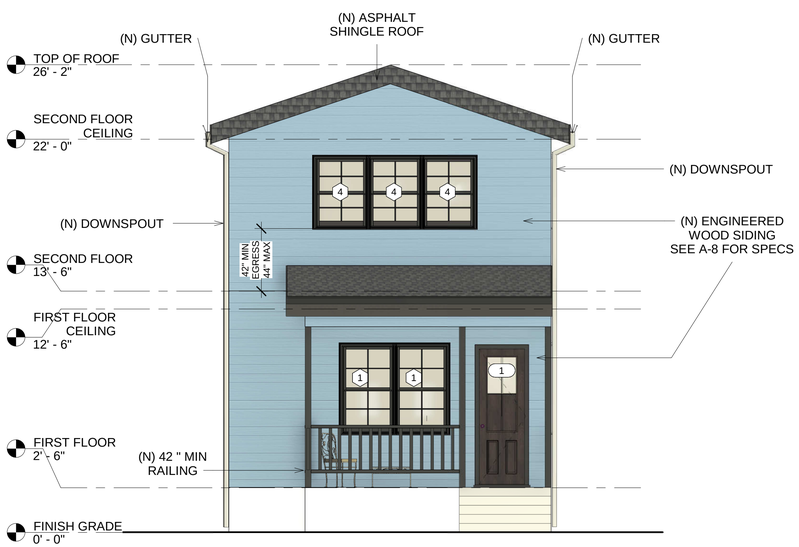
STREET FACING FACADE CALCULATIONS	
FRONT FACADE AREA	345 SF
DOOR # 1	32 SF
WINDOW # 1 (X3)	15 SF X 2 = 30 SF
WINDOW # 4 (X4)	12 SF X 4 = 48 SF
32 SF + 30 SF + 48 SF = 110 SF TOTAL **110 SF / 345 SF X 100% = 32%**	



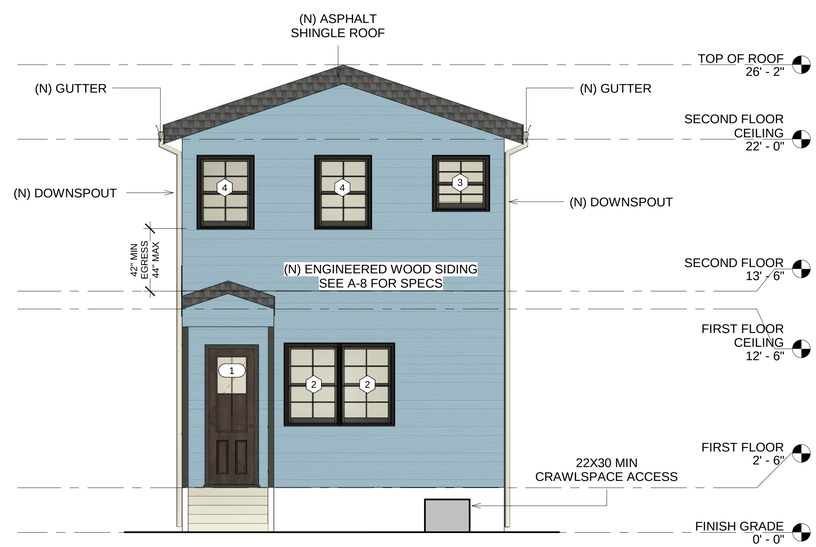
1 EAST ELEVATION
1/4" = 1'-0"



2 WEST ELEVATION
1/4" = 1'-0"



3 NORTH ELEVATION
1/4" = 1'-0"



4 SOUTH ELEVATION
1/4" = 1'-0"

NOTE: VISIBLE FROM STREET GROUND FLOOR FACADE MEETS ≥ 30% TRANSPARENCY

NOTE: VISIBLE FROM STREET GROUND FLOOR FACADE MEETS ≥ 30% TRANSPARENCY

REVISE DATES:

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1021 W 36TH ST
SAVANNAH, GA, 31315

ELEVATIONS

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SEC development
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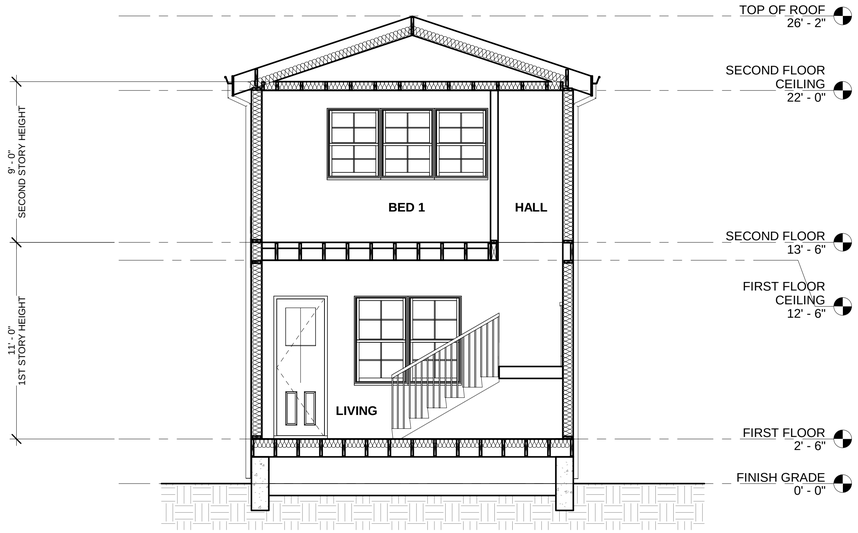
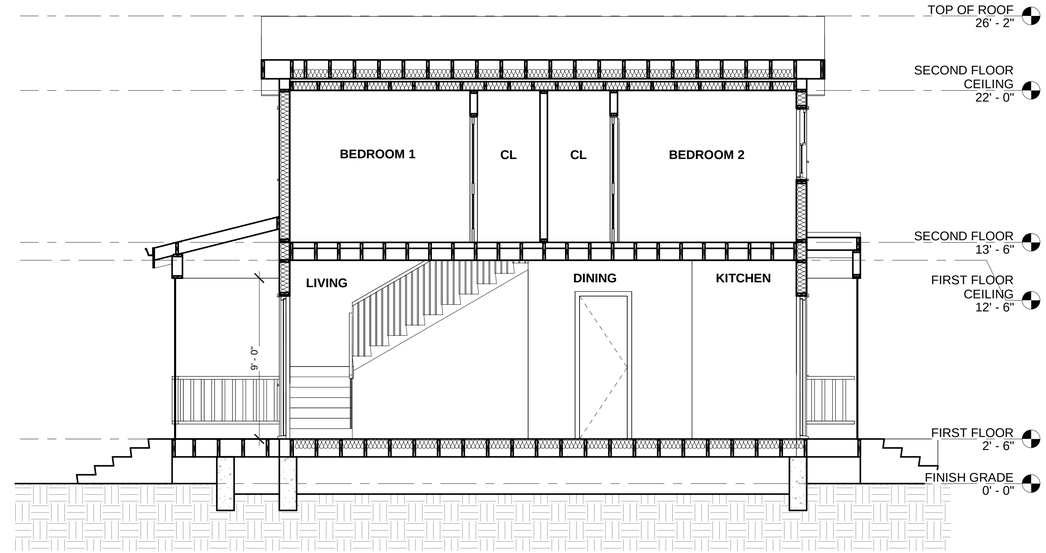
(818) 484-7111

PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	1/4" = 1'-0"

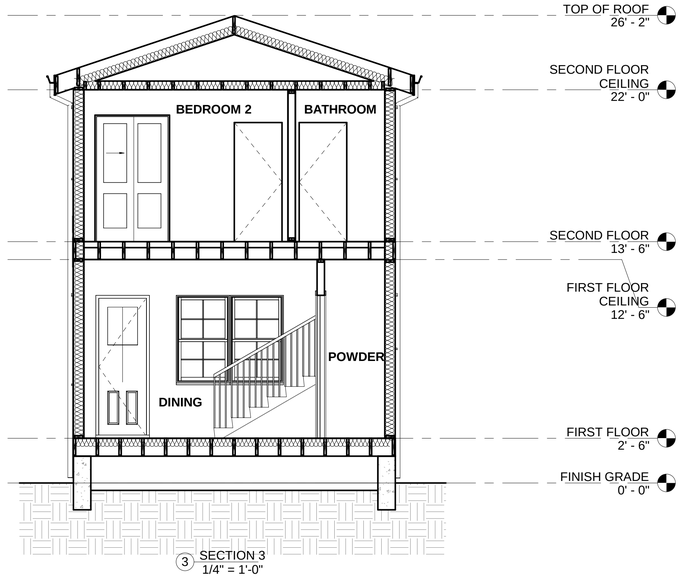
A-7



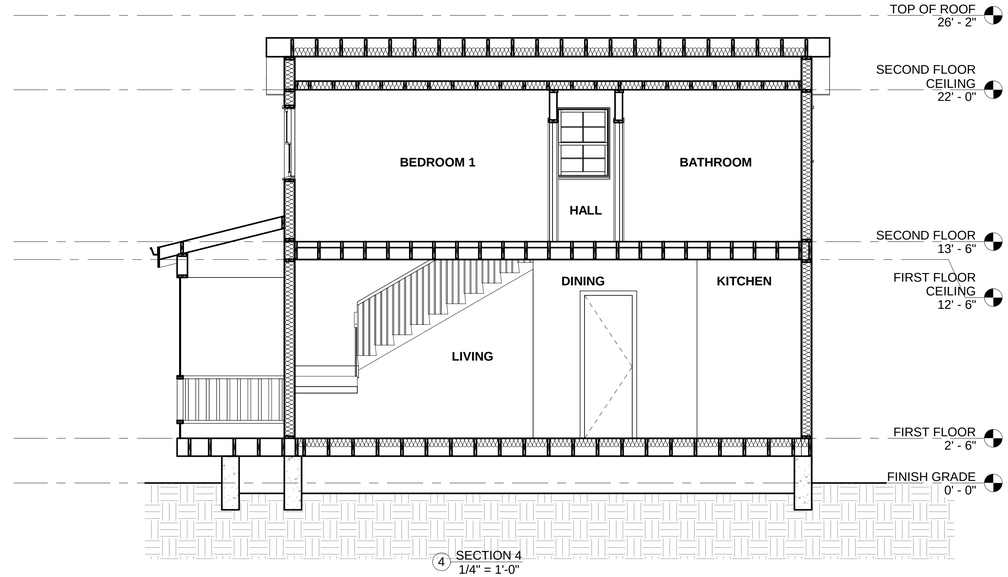
1 SECTION 1
1/4" = 1'-0"



2 SECTION 2
1/4" = 1'-0"



3 SECTION 3
1/4" = 1'-0"



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

CITY APPROVAL STAMP

NOTE:

1. MINIMUM 1" AIRSPACE REQUIRED BETWEEN INSULATION AND ROOF SHEATHING (R806.3CRC) PROVIDE MINIMUM STUD/RAFTER SIZE TO ACCOMODATE INSULATION. IF RAFTER-SPACE VENTILATION IS REQUIRED, PROVIDE 2X12, 2X8 AND 2X6 FOR R-30, R-19, AND R-13 RESPECTIVELY.

REVISE DATES:

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SECTIONS

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PROJECT INFO	
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DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	1/4" = 1'-0"

A-8

ICC EVALUATION SERVICE®

ICC-ES Evaluation Report

ESR-1475

Reissued October 2023 | *This report also contains:*

Subject to renewal October 2025 | **- CBC Supplement**

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION Section: 07 31 13—Asphalt Shingles	REPORT HOLDER: GAF	EVALUATION SUBJECT: GAF SHINGLE ROOF COVERING SYSTEMS

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 *International Building Code®* (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code®* (IRC)

Properties evaluated:

- Weather resistance
- Fire classification
- Wind resistance

2.0 USES

The GAF asphalt shingles described in this report comply with IBC Section 1507.2 and IRC Section R905.2 and are Class A roof coverings when installed as described in this report.

3.0 DESCRIPTION

3.1 Shingles:

3.1.1 General: The GAF asphalt shingles comply with ASTM D3462 and have been qualified for wind resistance as noted in Section 4.1.2 and Table 1. The shingles are available as three-tab, five-tab and laminated asphalt shingle roof coverings. See Table 1 and Figure 1 for recognized product names and classifications, shingle types, manufacturing locations, overall dimensions, maximum exposure to the weather and fastening details. The shingles are self-sealing by means of adhesive strips located on either the weather side or the underside. See Figure 1 for dimensions, nailing locations and adhesive strip location for field shingles.

3.1.2 Three-tab Shingles and Five-tab Shingles: Three-tab and five-tab shingles are composed of a single layer of fiberglass mat, impregnated and coated with asphalt on both sides, and surfaced with mineral roofing granules on the weather side and a mineral release agent on the underside.

3.1.3 Laminated Shingles: Laminated shingles are composed of multiple thicknesses of coated and surfaced fiberglass mat, cut and bonded together in different patterns. The weather side is surfaced with mineral roofing granules, and the underside is surfaced with a mineral release agent.

TABLE 1—GAF SHINGLES – PRODUCT DESCRIPTIONS AND MANUFACTURING LOCATIONS (Continued)

SHINGLE	SHINGLE TYPE	PLANT LOCATION	DIMENSIONS (height x width) (inches)	MAXIMUM EXPOSURE TO THE WEATHER (inches)	LOCATION OF NAIL LINE[1] (inches)	CLASS
Timberline® Natural Shadow®, Timberline® NS	Laminated	Baltimore, MD Dallas, TX Ennis, TX Fontana, CA Michigan City, IN Minneapolis, MN Myerstown, PA Shafter, CA Tampa, FL Tuscaloosa, AL	13 1/4 x 39 3/8	5 5/8	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® HDZ™ Timberline® UHDZ™	Laminated	Baltimore, MD Dallas, TX Ennis, TX Fontana, CA Michigan City, IN Minneapolis, MN Myerstown, PA Shafter, CA Tampa, FL Tuscaloosa, AL	13 1/4 x 39 3/8	5 5/8	5 7/8 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Timberline® Cool Series®	Laminated	Fontana, CA	13 1/4 x 39 3/8	5 5/8	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® CS	Laminated	Fontana, CA	13 1/4 x 39 3/8	5 5/8	5 7/8 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Timberline Ultra HD®, Timberline® UHD	Laminated	Baltimore, MD Dallas, TX Ennis, TX Fontana, CA Michigan City, IN Minneapolis, MN Myerstown, PA Shafter, CA Tampa, FL Tuscaloosa, AL	13 1/4 x 39 3/8	5 5/8	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® American Harvest®	Laminated	Fontana, CA Michigan City, IN Myerstown, PA Tuscaloosa, AL	13 1/4 x 39 3/8	5 5/8	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® AH	Laminated	Fontana, CA Michigan City, IN Myerstown, PA Tuscaloosa, AL	13 1/4 x 39 3/8	5 5/8	5 7/8 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Fortitude®	Laminated	Myerstown, PA	13 1/4 x 39 3/8	5 5/8	5 7/8 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Woodland®	Laminated	Mt. Vernon, IN	17 x 40	6 1/2 - 7 1/2	8	ASTM D3161, Class F ASTM D7158, Class H
Timberline Solar HDZ™	Laminated	Mt. Vernon, IN	17 1/3 x 40	7 9/16	7 13/16 – 9 9/16	ASTM D3161, Class F ASTM D7158, Class H

For **SI:** 1 inch = 25.4 mm, 1 lb/100 ft^2 = 0.0488 kg/m^2

[1]Nail line = distance from lowermost edge of shingle to target nail location. See Figure 1.

ICC EVALUATION SERVICE®

ICC-ES Evaluation Report

ESR-2290

Reissued March 2026 | *This report also contains:*

Revised April 2026 | **- CA Supplement / w DSA & OSHPD**

Subject to renewal March 2028 | **- FL Supplement w/HV/HZ**

- IWUIC Supplement

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DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES Section: 06 16 00—Sheathing DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION Section: 07 46 46—Fiber-Cement Siding	REPORT HOLDER: JAMES HARDIE BUILDING PRODUCTS, INC.	EVALUATION SUBJECT: HARDIE®SHINGLE PANELS, HARDIE®PLANK LAP SIDING, ARTISAN® LAP SIDING, AND HARDIE®SHINGLE INDIVIDUAL SHINGLES

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2024, 2021, 2018, 2015, 2012 and 2009 *International Building Code®* (IBC)
- 2024, 2021, 2018, 2015, 2012 and 2009 *International Residential Code* (IRC)
- 2013 Abu *Dhabi International Building Code* (ADIBC)[†]

[†]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Weather protection
- Structural
- Types I, II, III, and IV (noncombustible) construction
- Fire-resistance-rated construction
- Thermal resistance

1.2 Evaluation to the following green standards:

- 2020, 2015, 2012 and 2008 ICC 700 *National Green Building Standard™* (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)
- 2025 California Green Building Standard Code (CALGreen), Title 24, Part 11
- 2024, 2021 and 2018 *International Green Construction Code®* (IgCC)

7.0 IDENTIFICATION

7.1 Pallets of the James Hardie® Building Products, Inc., Hardie®Shingle panels, Hardie®Plank (Cemplank®, Prevail®, and RFC®) lap siding, Artisan® Lap Siding, and Hardie®Shingle shingles must carry a label bearing the manufacturer's name and telephone number, the product name, the name of the inspection agency, ICC-ES, and the evaluation report number (ESR-2290).

7.2 The report holder's contact information is the following:

JAMES HARDIE BUILDING PRODUCTS, INC.
10901 ELM AVENUE
FONTANA, CALIFORNIA 92337
(909) 942-7343
www.jameshardie.com
info@jameshardie.com

TABLE 1—STANDARD NOMINAL PANEL, PLANK AND SHINGLE DIMENSIONS

PRODUCT	WIDTH (INCHES)	LENGTH	THICKNESSES (INCHES)
Hardie®Plank lap siding	4, 5 1/4, 6, 6 1/4, 7 1/4, 7 1/2, 8, 8 1/4, 9 1/4, 9 1/2 & 12	12, 14 feet	5/16
Artisan® lap siding,	5 1/4, 7 1/4, 8 1/4	12, 14 feet	5/16
Cemplank® lap siding	5 1/4, 6, 6 1/4, 7 1/4, 7 1/2, 8, 8 1/4, 9 1/2 & 12	12, 14 feet	5/16
Prevail® lap siding	5 1/4, 6, 6 1/4, 7 1/4, 7 1/2, 8, 8 1/4, 9 1/2 & 12	12, 14 feet	5/16
RFC® lap siding	6 1/4, 7 1/2, 8 1/4, 9 1/2 & 12	12, 14 feet	5/16
Hardie®Shingle 5-inch exposure (square & staggered edge)	48	14 inches	1/4
Hardie®Shingle 7-inch exposure (square & staggered edge)	48	15 1/4, 15 7/8 inches	1/4
Hardie®Shingle panel (square & staggered edge)	48	16 inches	1/4
Hardie®Shingle panel (half round)	48	16, 19 inches	1/4
Hardie®Shingle individual shingles 5-inch exposure	3 1/2, 4 1/2, 5 1/2, 7, 8 1/4	14 inches	1/4
Hardie®Shingle individual shingles 7-inch exposure	4 7/16, 5 1/2, 6 1/4, 7 1/4, 10,	15 1/4 inches	1/4
Hardie®Shingle individual shingles	6, 8, & 12	18 inches	1/4

For **SI:** 1 inch = 25.4 mm, 1 ft = 305 mm.

TABLE 2—"K" and "R" VALUES FOR FIBER-CEMENT PRODUCTS

PRODUCT THICKNESS[1] (INCH)	THERMAL CONDUCTANCE[1] K_{EFF} = (BTU/HR-FT^2-°F)/INCH	THERMAL RESISTANCE[1] R = 1/K_{EFF}	ACTUAL THERMAL CONDUCTANCE[2] (K_{EFF})	ACTUAL THERMAL RESISTANCE[2] (R)
1/4	1.95	0.51	7.80	0.13
5/16	2.07	0.48	6.62	0.15

For **SI:** 1 inch = 25.4 mm, 1 Btu/h-ft^2-°F = 5.678 W/m^2-K.

[1]Based on 1 inch of panel thickness.

[2]Actual value for panel thickness shown.

Showing 1-5 of 5 results

CRRC PROD. ID	MANUFACTURER	BRAND AND MODEL	PRODUCT TYPE	COLOR	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI		MORE INFO
					INITIAL	3 YEAR	INITIAL	3 YEAR	INITIAL	3 YEAR	
0676-0151	GAF	**Grand Sequoia®** Reflector Series™ Plus Forest Brown Plus | **Grand Sequoia®** RS+ Forest Brown Plus	Asphalt Shingle	Brown	0.20	Pending	0.93	Pending	20	Pending	+
0676-0130a	GAF	**Timberline HD®** Reflector Series™ Aged Chestnut | **Timberline® HDZ™** RS Aged Chestunt | **Timberline Ultra HD®** Reflector Series™ Aged Chestnut | **Timberline UHD®** RS Aged Chestnut	Asphalt Shingle	Brown	0.18	Pending	0.90	Pending	16	Pending	+
0676-0041a	GAF	**Timberline® Cool Series®** Cool Barkwood | **Timberline CS®** Cool Barkwood	Asphalt Shingle	Brown	0.27	0.26	0.90	0.92	28	28	+
0676-0148	GAF	**Timberline HD®** Reflector Series™ Plus Aged Chestnut Plus | **Timberline® HDZ™** RS+ Aged Chestnut Plus	Asphalt Shingle	Brown	0.20	Pending	0.93	Pending	20	Pending	+
0676-0140	GAF	**Grand Sequoia®** Reflector Series™ Forest Brown | **Grand Sequoia®** RS Forest Brown	Asphalt Shingle	Brown	0.19	Pending	0.92	Pending	19	Pending	+

Showing 1-5 of 5 results

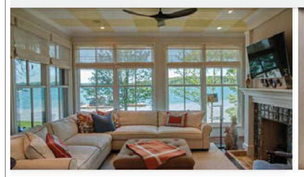
COOL ROOF RATING COUNCIL 2435 N. Lombard St. Portland, OR 97217 TEL (866) 465-2523 EMAIL: info@coolroofs.org

ANSI ACCREDITED Certificate 3144.01

CITY APPROVAL STAMP

Sterling Double Hungs

Sterling double hungs are made to blend seamlessly with the grandest décor. A patented interior wood cover conceals the jamblinner, giving the windows a rich, all-wood appearance. The award-winning XL Sterling double hung expands the architecturally-correct design and high performance of a Sterling double hung. Quality components combined with thoughtful product design allow the XL Sterling double hung to be the perfect fit for any oversized commercial or residential opening. *Patents: 7,296,381 | 7,448,164 | 8,196,355 | 8,429,856*



Standard Features – Sterling Double Hung

- 1-3/4" thick sash
- Overall jamb depth is 4-9/16" *(basic box depth is 4-9/16")*
- Frame thickness is 3/4" at side jambs and head
- Sill thickness is 1-3/16"; slope is 14°
- Constructed of pine, with pine interior stops and wood mull casings on mulled units
- Exterior wood parts are treated
- Extruded aluminum exterior finished with a 70% PVDF fluoropolymer coating *(meets performance requirements of AAMA 2605)*
- Energy efficient, Insulating Solar Low-E glass
- Glazed to the interior with beveled wood glazing beads
- Wood interior head parting stop
- Clay-colored heavy duty Signature sash lock
- Spring-loaded block-and-tackle mechanical balances to carry the sash weight
- Concealed balance system
- Patented wood wrapped jamblinner closure on the interior *(unless interior is prefinished white or primed, then jamblinner will be white)* and extruded aluminum jamblinner closure on the exterior hides the balance system
- Nailing fins with head drip caps†

Standard Features – XL Sterling Double Hung *(includes sterling double hung standard features, with the exception of the following substitutions)*

- Overall jamb depth is 5" *(basic box depth is 5")*
- Class 5 balances capable of carrying heavier loads

Options – Sterling Double Hung/XL Sterling Double Hung *(custom options are also available)*

- Class 5 balances** available for commercial specifications or larger units
- Extension jambs *(up to 12" applied, over 12" shipped loose for field application)*
- Segment head, cottage style segment head, half-circle top, and cottage style half-circle top units†
- Sash limiters for safety
- Galvanized steel installation clips
- Full or half aluminum insect screen with aluminum, BetterVue® or UltraVue® fiberglass mesh; retractable insect screen kit with beveled or square cover
- Factory-installed Window Opening Control Device (WOCD)
- High performance or impact performance modifications

View **Style Options & Technical Data ›**

(Click to view hardware, glass, divided lites, finishes, and more, as well as performance and specification details.)

NOTE: All measurements are nominal.
* Standard only on units without brickmould.
** Not available on XL Sterling double hung.
† Units may not carry certification. See Kolbe dealer for details.
BetterVue® and UltraVue® are registered trademarks of PHIFER INCORPORATED.

GAF Master Flow

Master Flow® Power Attic Vent – Roof Mount

ERV4, ERV5, & ERV6 Basic Specification Sheet

- **Cool The Attic...** Help remove hot and humid air from the attic
- **PSC Motors...** Permanent split capacitor motors provide enhanced efficiency
- **Resists Infestation...** Heavy-duty internal screen helps prevent animal infestation
- **Weather-Resistant...** Pass the 110 mph wind-driven rain test*
  *Under controlled laboratory testing

Miami-Dade Product Control Approval
Texas Department of Insurance
Florida Building Code
UL Listed in US & Canada

ERV4

- For attics up to 1,600 sq. ft.
- 1,000 cubic feet per minute airflow
- Adjustable thermostat
- Colors: Mill, Black, Brown, Weathered Wood
- 5-year ltd. warranty with 2-year Labor Plus Protection**

ERV5

- For attics up to 2,200 sq. ft.
- 1,250 cubic feet per minute airflow
- Adjustable thermostat, optional humidistat available
- Colors: Mill, Black, Brown, Weathered Wood
- Optional humidistat/thermostat available
- 5-year ltd. warranty with 3-year Labor Plus Protection**

ERV6

- For attics up to 2,800 sq. ft.
- 1,500 cubic feet per minute airflow
- Adjustable thermostat, optional humidistat available
- Color: ShingleMatch™ Weathered Wood
- 10-year ltd. warranty with 5-year Labor Plus Protection**

** *See Master Flow® Powered Ventilation Products Ltd. Warranty* for complete coverage and restrictions

Total Attic Size (Sq. ft.)	Recommended Power Attic Vent	Minimum Intake Ventilation Needed (Net Free Area in Sq. in.)
Up to 1600	ERV4	480
Up to 2200	ERV5	600
Up to 2800	ERV6	720

Note: Always have a balanced attic ventilation system. In no case should the amount of exhaust ventilation exceed the amount of intake ventilation. Always ensure there is proper intake ventilation at the soffit, undereave or fascia areas of the roof. Visit *www.gaf.com/ventcalculator* for more information.

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REVISE DATES:

CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH THE WORK

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SPECIFICATIONS

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PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	N.T.S.

A-9

SECTION 07 46 23

ENGINEERED WOOD SIDING

PAGE: 07 46 23-4

A. Basis of Design: Strand Panel Siding; as manufactured by LP Building Products.
1. Description: Exterior-grade, phenolic resin-saturated, paper overlay laminated to EPA-registered zinc-borate preservative-treated engineered wood siding. Exposed edges sealed for moisture resistance.
2. Finish: Acrylic latex primer.
3. Thickness, 38 Series: 0.315 inch (8 mm) minimum.
4. Thickness, 76 Series: 0.375 inch (10 mm) minimum.
5. Thickness, 190 Series: 0.530inch (14 mm) minimum.
6. Style : Embossed Cedar Texture
7. Grooves: Channel grooves at 4 inches (102 mm) on center.
8. Grooves: Channel grooves at 8 inches (203 mm) on center.
9. Grooves: None.
10. Length: 6 feet (1829 mm).
11. Length: 7 feet (2134 mm).
12. Length: 8 feet (2438 mm).
13. Length: 9 feet (2743 mm).
14. Length: 10 feet (3048 mm).
15. Length: 12 feet (3658 mm).
16. Width: 48 inches (1219 mm), nominal.
17. Edges: Shiplap.

RAPIDS BLUE

WOOD SIDING

GAF

GAF Shingle Standards and Code Approvals

Title	Algae Protection	Product Group	ASTM D3462	ASTM D3161	ASTM D7158	ASTM D3018	UL 790 (Fire)	UL 2218 (Hail)	Impact Resist. Uplift	CSA A123.5	Miami-Dade	FBC	TDI	ICC	ICC AC438	UL ER	CRRC	Title 24	City of LA/ LA County	LEED Credit for Reflectance	Size	Shingles Per Bndl.	Bndl. Coverage
Camelot® II	StainGuard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	18-1030.06	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 x 34-1/2	at least 14	4/SQ
Grand Canyon®	StainGuard	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	23-0130.02	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 X 40	at least 12	6/SQ
Grand Sequoia®	StainGuard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	22-0523.04*	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 X 40	at least 14	5/SQ
Grand Sequoia® AS	StainGuard Plus	Shingles	Yes	Class F	No	Yes	Class A	Class 4	TDI and State Farm	Yes	22-0523.04	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 x 40	at least 18	4/SQ
Grand Sequoia® RS	None	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	22-0523.04*	FL10124	Complies	ESR-1475	ESR-3267	No	0676-0139 (Sagewood); 0676-0140a (Forest Brown); 0676-0141 (Sandalwood); 0676-0142 (Ocean Gray); 0676-0143a (Charcoal)	Sagewood; Forest Brown; Sandalwood; Ocean Gray; Charcoal	Sagewood; Sandalwood	Not Eligible	17 X 40	at least 14	5/SQ
Marquis WeatherMax® Canada Only	None	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	No	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	12 x 36	at least 26	3/SQ
Royal Sovereign®	StainGuard	Shingles	Yes*	Class F	Class H	Yes	Class A	No	No	No	22-0825.04	FL10124; FL31689 (Hip & Ridge, including HVHZ)	Complies	ESR-1475	ESR-3267	No	0676-0033 (White)*	White Only*	White Only*	Not Eligible	12 x 36 except 13-1/4 x 39-3/8 (Fontana only)	at least 26	3/SQ
Stateline®	StainGuard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	21-1209.02	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 x 40	at least 16	3/SQ
Timberline ASH II	StainGuard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	Class 4	TDI and State Farm	No	No	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	13-1/4 x 39-3/8	at least 20	3/SQ
Timberline ASH II (CAN)	StainGuard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	Class 4	TDI and State Farm	Yes	No	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	13-1/4 x 39-3/8	at least 20	3/SQ
Timberline HDZ®	StainGuard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	No	21-1209.01	FL10124; FL39780	Complies	ESR-1475	ESR-3267	UL ER21-01	0676-0096 (Birchwood); 0676-0030 (White)*	Birchwood; White*	Birchwood; White*	Not Eligible	13-1/4 x 39-3/8	at least 20	3/SQ

ASPHALT SHINGLE (ROOF)

KOLBE WINDOWS & DOORS

EXTERIOR SASH AND GRILLE:

SIZES (W) x (H):

(ALL WINDOW)

WINDOW SIZES ON A-3 & A-4

EXTERIOR JAMB AND TRIM & INTERIOR:

WINDOW WOOD SPECIES:

WINDOWS (DOUBLE HUNG)

REVISE DATES:

CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH THE WORK

AS INSTRUMENT OF SERVICE, ALL DESIGN, IDEAS AND INFORMATION SHOWN ON THESE DRAWINGS ARE AND SHALL REMAIN THE PROPERTY OF **SEC DEVELOPMENT** NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF **SEC DEVELOPMENT**. VISUAL CONTACT WITH THESE DRAWINGS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

OWNER:
AMERICAN PRIME CONSTRUCTION LLC

ADDRESS:
1021 W 36TH ST
SAVANNAH, GA, 31315

REAR COVERED PATIO
POURED CONCRETE PORCH STEPS
WITH
WOOD DECKING

REAR ENTRANCE

1" x 4" LUMBER (CEDAR) FOR RAILING

2" x 4" LUMBER (CEDAR) FOR HANDRAIL

POURED CONCRETE
PORCH FLOORING

5/4" x 6" x 8 FT TREATED LUMBER (OAK) FOR
PORCH/BALCONY FLOORING

COVERED PATIO & BALCONY

KROSSWOOD DOORS

DOOR WOOD SPECIES
AND FINISH:

KNOTTY ALDER
3' X 8'

EXTERIOR DOOR

MATERIAL BOARD

SECDEVELOPMENT.NET (818) 484-7111

S | E | C development

SECDEVELOPMENT.NET (818) 484-7111

PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	N.T.S.

A-10

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2022 EDITION OF THE CBC, CRC, CMC, CPC, AND CEC AS ADOPTED AND AMENDED BY THE STATE OF CALIFORNIA IN TITLE 24 CCR AND THIS JURISDICTION.
2. SEPARATE PERMITS MAY BE REQUIRED FOR MECHANICAL, ELECTRICAL, PLUMBING, SHORING, GRADING, AND DEMOLITION.
3. ALL PROPERTY LINES, EASEMENTS, AND EXISTING BUILDINGS HAVE BEEN INDICATED ON THIS SITE PLAN.
4. A SECURITY FENCE SHALL BE PROVIDED AROUND THE CONSTRUCTION AREA THAT SHALL BE INSTALLED PRIOR TO EXCAVATION AND/OR FOUNDATION TRENCHING. (BMC 9-1-1-3302.3)
5. WATER SHALL BE PROVIDED AT THE SITE AND USED TO CONTROL DUST.
6. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED ON SITE. (BMC 9-1-1-3305)
7. THE FINISH GRADE SHALL SLOPE A MIN. OF 5%, OR 6", TO A POINT 10 FEET FROM BUILDING FOUNDATION, OR TO AN APPROVED ALTERNATE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION. SWALES SHALL SLOPE A MINIMUM OF 2%. (CRC R401.3)
8. THE TOP OF THE EXTERIOR FOUNDATION SHALL EXTEND ABOVE THE ELEVATION OF THE STREET GUTTER A MINIMUM OF 12" PLUS 2%. (CRC R403.1.7.3)
9. SEPARATE PERMIT SHALL BE OBTAINED FROM CITY PUBLIC WORKS DEPARTMENT PRIOR TO PLACEMENT OF ANY CONSTRUCTION MATERIALS OR EQUIPMENT IN THE PUBLIC WAY.
10. THE CURRENT CODE IS THE 2022 LOS ANGELES COUNTY BUILDING CODE/RESIDENTIAL CODE.
11. THIS PROJECT SHALL COMPLY WITH THE 2022 CALIFORNIA STANDARDS CODE (2022 CBC, CMC, CPC & CEC) & LOCAL ORDINANCES.
12. AT THE TIME OF PERMIT ISSUANCE, CONTRACTOR SHALL SHOW THEIR VALID WORKERS COMPENSATION INSURANCE CERTIFICATE.
13. ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF STATE OF CALIFORNIA TITLE 24 REGARDLESS OF THE INFORMATION INDICATED ON THESE PLANS. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL SUPERVISING THE CONSTRUCTION TO ENSURE THAT THE WORK IS DONE IN ACCORDANCE WITH THE CODE REQUIREMENTS PRIOR TO REQUESTING INSPECTION.
14. EXCESS OR WASTE CONCRETE SHALL NOT BE DUMPED INTO PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) SHALL BE NOTIFIED IN ACCORDANCE WITH CALIFORNIA STATE LAW PRIOR TO STARTING ANY DEMOLITION, ASBESTOS AND/OR REMODEL WORK. THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT OFFICE IS LOCATED AT 21865 COPLEY DRIVE IN DIAMOND BAR, PHONE NO. (909) 396-2000. BE ADVISED, SCAQMD MAY REQUIRE A 10 DAY WAIT PERIOD PRIOR TO START OF WORK. FOR FURTHER INFORMATION VISIT HTTP: //WWW.AQMD,GOV/DEFAULT.HTM
16. SEDIMENTS AND ANY OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED OUT WITH RAIN OR ANY OTHER MEANS.
17. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
18. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
19. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEAN UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
20. THE ISSUANCE OF A PERMIT SHALL NOT PREVENT THE BUILDING OFFICIAL FROM REQUIRING THE CORRECTION OF ERRORS ON THESE PLANS OR FROM PREVENTING ANY VIOLATION OF THESE CODES ADOPTED BY THE CITY, RELEVANT LAWS, ORDINANCES, RULES AND/OR REGULATIONS.
21. NO HAZARDOUS MATERIALS WILL BE STORED AND/OR USED WITHIN THE BUILDING, WHICH WILL EXCEED THE QUANTITIES LISTED IN CBC TABLE 414.2.5 (1).
22. OCCUPANCY CLASSIFICATION TOWNHOUSE:
    - TOWNHOUSES SHALL BE SEPARATED BY TWO 1-HOUR FIRE RESISTANCE-RATED WALL ASSEMBLIES COMPLYING WITH THE REQUIREMENTS OF SECTION R302.1 FOR EXTERIOR WALLS. A COMMON 1-HOUR FIRE-RESISTANCE-RATED WALL ASSEMBLY IS PERMITTED IF SUCH WALLS DO NOT CONTAIN PLUMBING OR MECHANICAL EQUIPMENT, DUCTS
23. COMPLIANCE INFORMATION: THE BUILDER SHALL LEAVE IN THE BUILDING, COPIES OF THE COMPLETED, SIGNED AND SUBMITTED COMPLIANCE DOCUMENTS FOR THE BUILDING OWNER AT OCCUPANCY. FOR LOW-RISE RESIDENTIAL BUILDINGS,SUCH INFORMATION SHALL, AT A MINIMUM, INCLUDE COPIES OF ALL CERTIFICATE OF COMPLIANCE, CERTIFICATE OF INSTALLATION, AND CERTIFICATE OF VERIFICATION DOCUMENTATION SUBMITTED. [10-103(B)1]
24. OPERATING INFORMATION: THE BUILDER SHALL PROVIDE THE BUILDING OWNER AT OCCUPANCY, OPERATING INFORMATION FOR ALL APPLICABLE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING. OPERATING INFORMATION SHALL INCLUDE INSTRUCTIONS ON HOW TO OPERATE THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES CORRECTLY AND EFFICIENTLY. THE INSTRUCTIONS SHALL BE CONSISTENT WITH SPECIFICATIONS SET FORTH BY THE EXECUTIVE DIRECTOR.
25. FOR RESIDENTIAL BUILDINGS, SUCH INFORMATION SHALL BE CONTAINED IN A FOLDER OR MANUAL WHICH PROVIDES ALL CERTIFICATE OF COMPLIANCE, CERTIFICATE OF INSTALLATION, AND CERTIFICATE OF VERIFICATION DOCUMENTATIONS. THIS OPERATING INFORMATION SHALL BE IN PAPER OR ELECTRONIC FORMAT. [10-103(B)2]
26. MAINTENANCE INFORMATION: THE BUILDER SHALL PROVIDE TO THE BUILDING OWNER AT OCCUPANCY, MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION. REQUIRED ROUTINE MAINTENANCE ACTIVITIES SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING, BY TITLE AND/OR PUBLICATION NUMBER, THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF FEATURE, MATERIAL, COMPONENT OR MANUFACTURED DEVICE. [10-103(B)3]
27. VENTILATION INFORMATION: THE BUILDER SHALL PROVIDE TO THE BUILDING OWNER AT OCCUPANCY, A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AIR THAT THE VENTILATION SYSTEM(S) ARE DESIGNED TO PROVIDE TO THE BUILDING'S CONDITIONED SPACE, AND INSTRUCTIONS FOR PROPER OPERATION AND MAINTENANCE OF THE VENTILATION SYSTEM. [10-103(B)4]
28. ALL SYSTEMS, EQUIPMENT, APPLIANCES AND BUILDING COMPONENTS SHALL COMPLY WITH THE APPLICABLE MANUFACTURING, CONSTRUCTION, AND INSTALLATION PROVISIONS OF SECTIONS 110.0 THROUGH 110.11 FOR NEWLY CONSTRUCTED BUILDINGS.
29. ANY APPLIANCE REGULATED BY THE APPLIANCE EFFICIENCY REGULATIONS, TITLE 20 CALIFORNIA CODE OF REGULATIONS, SECTION 1601 ET SEQ., MAY BE INSTALLED ONLY IF THE APPLIANCE FULLY COMPLIES WITH SECTION 1608(A) OF THOSE REGULATIONS. [110.1(A)]
30. SERVICE WATER-HEATING SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC TEMPERATURE CONTROLS CAPABLE OF ADJUSTMENT FROM THE LOWEST TO THE HIGHEST ACCEPTABLE TEMPERATURE SETTINGS FOR THE INTENDED USE AS LISTED IN TABLE 3, CHAPTER 50 OF THE ASHRAE HANDBOOK, HVAC APPLICATIONS VOLUME. [110.3(A)1]
31. ON SYSTEMS THAT HAVE A TOTAL CAPACITY GREATER THAN 167,000 BTU/HR, OUTLETS THAT REQUIRE HIGHER THAN SERVICE WATER TEMPERATURES AS LISTED IN THE ASHRAE HANDBOOK, APPLICATIONS VOLUME, SHALL HAVE SEPARATE REMOTE HEATERS, HEAT EXCHANGERS, OR BOOSTERS TO SUPPLY THE OUTLET WITH THE HIGHER TEMPERATURE. [110.3(C)1]
32. SERVICE HOT WATER SYSTEMS WITH CIRCULATING PUMPS OR WITH ELECTRICAL HEAT TRACE SYSTEMS SHALL BE CAPABLE OF AUTOMATICALLY TURNING OFF THE SYSTEM. [110.3(C)2]
33. CONTROLS FOR SERVICE WATER-HEATING SYSTEMS SHALL LIMIT THE OUTLET TEMPERATURE AT PUBLIC LAVATORIES TO 110ºF. [110.3(C)3]
34. UNFIRED SERVICE WATER-HEATER STORAGE TANKS AND BACKUP TANKS FOR SOLAR WATER-HEATING SYSTEMS SHALL HAVE:
    - A. EXTERNAL INSULATION WITH AN INSTALLED R-VALUE OF AT LEAST R-12, OR
    - B. INTERNAL AND EXTERNAL INSULATION WITH A COMBINED R-VALUE OF AT LEAST R-16, OR
    - C. THE HEAT LOSS OF THE TANK SURFACE BASED ON AN 80ºF WATER-AIR TEMPERATURE DIFFERENCE SHALL BE LESS THAN 6.5 BTU/HR PER SQUARE FOOT. [110.3 (C)4]
35. FOR NONRESIDENTIAL, HIGH-RISE RESIDENTIAL, AND HOTEL/MOTEL BUILDINGS, SPACE CONDITIONING SYSTEMS SHALL MEET THE EFFICIENCY STANDARDS SPECIFIED SECTION 120.2.
36. CONTINUOUSLY BURNING PILOT LIGHT SHALL BE PROHIBITED FOR THE FOLLOWING NATURAL GAS SYSTEM OR EQUIPMENT LISTED BELOW: [110.5]
    - A. FAN-TYPE CENTRAL FURNACES
    - B. HOUSEHOLD COOKING APPLIANCES, EXCEPT FOR HOUSEHOLD COOKING APPLIANCES WITHOUT AN ELECTRICAL SUPPLY VOLTAGE CONNECTION AND IN WHICH EACH PILOT CONSUMES LESS THAN 150 BTU/HR
    - C. POOL HEATERS
    - D. SPA HEATERS

CITY APPROVAL STAMP

GENERAL NOTES:

15. ANY POOL OR SPA HEATING SYSTEM OR EQUIPMENT SHALL: [110.4]
    - A. A THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATIONS;
    - B. HAVE A READILY ACCESSIBLE ON-OFF SWITCH, MOUNTED ON THE OUTSIDE OF THE HEATER THAT ALLOWS SHUTTING OFF THE HEATER WITHOUT ADJUSTING THE THERMOSTAT SETTING.
    - C. NOT UTILIZE ELECTRIC RESISTANCE HEATING.
    - D. HAVE A COVER FOR OUTDOOR POOLS OR SPAS THAT HAVE A HEAT PUMP OR GAS HEATER.
    - E. HAVE A PERMANENT, EASILY READABLE, AND WEATHERPROOF INSTRUCTION CARD THAT GIVES INSTRUCTIONS FOR THE ENERGY EFFICIENT OPERATION OF THE POOL OR SPA HEATER AND FOR THE PROPER CARE OF POOL OR SPA WATER WHEN CHLORINE IS USED.
    - F. HAVE AT LEAST 36 INCHES OF PIPE INSTALLED BETWEEN THE FILTER AND HEATER OR DEDICATED SUCTION AND RETURN LINES, OR BUILT-IN OR BUILT-UP CONNECTIONS SHALL BE INSTALLED TO ALLOW FOR THE FUTURE ADDITION OF SOLAR HEATING EQUIPMENT.
    - G. HAVE DIRECTIONAL INLETS FOR THE POOL OR SPA THAT ADEQUATELY MIX THE POOL WATER.
    - H. A TIME SWITCH OR SIMILAR CONTROL MECHANISM SHALL BE INSTALLED AS PART OF A POOL WATER CIRCULATION CONTROL SYSTEM THAT WILL ALLOW ALL PUMPS TO BE SET OR PROGRAMMED TO RUN ONLY DURING THE OFF-PEAK ELECTRIC DEMAND PERIOD AND FOR THE MINIMUM TIME NECESSARY TO MAINTAIN THE WATER IN THE CONDITION REQUIRED BY APPLICABLE PUBLIC HEALTH STANDARDS.
16. MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES NOT EXCEEDING 0.3 CFM/FT2 OF WINDOW AREA, 0.3 CFM/FT2 OF RESIDENTIAL DOOR AREA, 0.3 CFM/FT2 OF NONRESIDENTIAL SINGLE DOOR AREA, AND 1.0 CFM/FT2 OF NONRESIDENTIAL DOUBLE DOOR AREA. [110.6(A)1]
17. FENESTRATION PRODUCTS SHALL BE RATED IN ACCORDANCE WITH NFRC 100 FOR U-FACTOR, NFRC 200 FOR SHGC, AND VT OR USE THE APPLICABLE DEFAULT VALUE. FENESTRATION PRODUCTS SHALL HAVE A TEMPORARY LABEL FOR MANUFACTURED FENESTRATION PRODUCTS OR A LABEL CERTIFICATE WHEN THE COMPONENT MODELING APPROACH IS USED AND FOR SITE-BUILT FENESTRATION MEETING THE REQUIREMENTS OF SECTION 10-111(A)1. [110.6(A)2, 110.6(A)3, 110.6(A)4, 110.6(A)5]
18. FIELD-FABRICATED FENESTRATION PRODUCTS AND EXTERIOR DOORS, OTHER THAN UNFRAMED GLASS DOORS AND FIRE DOORS, SHALL BE CAULKED BETWEEN THE FENESTRATION PRODUCTS OR EXTERIOR DOOR AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED. [110.6(B)]
19. JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION. [110.7]
20. INSULATION SHALL BE CERTIFIED BY DEPARTMENT OF CONSUMER AFFAIRS, BUREAU OF HOME FURNISHING AND THERMAL INSULATION THAT THE INSULATION CONDUCTIVE THERMAL PERFORMANCE IS APPROVED PURSUANT TO THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 12, CHAPTER 12-13, ARTICLE 3, "STANDARDS FOR INSULATING MATERIAL." [110.8(A)]
21. UREA FORMALDEHYDE FOAM INSULATION MAY ONLY BE USED IN EXTERIOR SIDE WALLS, AND REQUIRES A FOUR-MIL-THICK PLASTIC POLYETHYLENE VAPOR BARRIER BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE IN ALL APPLICABLE CASES. [110.8(B)]
22. INSULATING MATERIAL SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CBC. [110.8(C)]
23. INSULATION INSTALLED ON AN EXISTING SPACE CONDITIONING DUCT, IT SHALL COMPLY WITH SECTION 604.0 OF THE CMC. [110.8(D)3]
24. EXTERNAL INSULATION INSTALLED ON AN EXISTING UNFIRED WATER STORAGE TANK OR ON AN EXISTING BACK-UP TANK FOR A SOLAR WATER-HEATING SYSTEM, IT SHALL HAVE AN R-VALUE OF AT LEAST R-12, OR THE HEAT LOSS OF THE TANK SURFACE BASED ON AN 80 EF WATER-AIR TEMPERATURE DIFFERENCE SHALL BE LESS THAN 6.5 BTU PER HOUR PER SQUARE FOOT. [110.8(D)2]

BUILDING NOTES:

1. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE- FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOKUP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
2. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. (PER ORDINANCE 170,158) (SEPARATE PLUMBING PERMIT IS REQUIRED).
3. PLUMBING FIXTURES ARE REQUIRED TO BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED SEWAGE DISPOSAL SYSTEM. R306.3
4. KITCHEN SINKS, LAVATORIES, BATHTUBS, SHOWERS, BIDETS, LAUNDRY TUBS AND WASHING MACHINE OUTLETS SHALL BE PROVIDED WITH HOT AND COLD WATER AND CONNECTED TO AN APPROVED WATER SUPPLY. R306.4
5. BATHTUB AND SHOWER FLOORS, WALLS ABOVE BATHTUBS WITH A SHOWERHEAD, AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR. R307.2
6. PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.
7. UNIT SKYLIGHTS SHALL BE LABELED BY A LA CITY APPROVED LABELING AGENCY. SUCH LABEL SHALL STATE THE APPROVED LABELING AGENCY NAME, PRODUCT DESIGNATION AND PERFORMANCE GRADE RATING. (RESEARCH REPORT NOT REQUIRED). R308.6.9
8. WATER HEATER MUST BE STRAPPED TO WALL. SEC. 507.3, LAPC
9. FOR EXISTING POOL ON SITE, PROVIDE ANTI– ENTRAPMENT COVER MEETING THE CURRENT ASTM OR ASME FOR THE SUCTION OUTLETS OF THE SWIMMING POOL, TODDLER POOL AND SPA FOR SINGLE FAMILY DWELLINGS PER ASSEMBLY BILL (AB) NO. 2977. 3162B
11. AUTOMATIC GARAGE DOOR OPENERS, IF PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. R309.4L. SMOKE DETECTORS SHALL BE PROVIDED FOR ALL DWELLING UNITS INTENDED FOR HUMAN OCCUPANCY, WHERE A PERMIT IS REQUIRED FOR ALTERATIONS, REPAIRS, OR ADDITIONS. R314.2
12. WHERE A PERMIT IS REQUIRED FOR ALTERATIONS, REPAIRS OR ADDITIONS, EXISTING DWELLINGS OR SLEEPING UNITS THAT HAVE ATTACHED GARAGES OR FUEL-BURNING APPLIANCES SHALL BE PROVIDED WITH A CARBON MONOXIDE ALARM IN ACCORDANCE WITH SECTION R315.2. CARBON MONOXIDE ALARMS SHALL ONLY BE REQUIRED IN THE SPECIFIC DWELLING UNIT OR SLEEPING UNIT FOR WHICH THE PERMIT WAS OBTAINED. R315.2
13. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION R303.1 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. R303.1
14. A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE
15. PROVIDE (70) (72) INCH HIGH NON-ABSORBENT WALL ADJACENT TO SHOWER AND APPROVED SHATTER-RESISTANT MATERIALS FOR SHOWER ENCLOSURE. (1210.2.3, 2406.4.5, R307.2, R308.4)
16. SPRINKLER SYSTEM MUST BE APPROVED BY THE MECHANICAL DIVISION PRIOR TO INSTALLATION.
17. A FIRE ALARM (VISUAL AND AUDIBLE) SYSTEM IS REQUIRED. THE ALARM SYSTEM MUST BE APPROVED BY THE FIRE DEPARTMENT AND ELECTRICAL PLAN CHECK PRIOR TO INSTALLATION. (LAMC 57.122)
18. CARBON MONOXIDE ALARM IS REQUIRED. (915.4, R315)

BUILDING ENVELOPE:

1. PROVIDE A CLASS A, B OR C FIRE-RETARDANT ROOF COVERING PER SECTION R902.1.
2. GLAZING IN THE FOLLOWING LOCATIONS SHALL BE SAFETY GLAZING CONFORMING TO THE HUMAN IMPACT LOADS OF SECTION R308.3 (SEE EXCEPTIONS) (R308.4):
    - A. FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BI-FOLD DOOR ASSEMBLIES.
    - B. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE.
    - C. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
        - 1) EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET.
        - 2) BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.
        - 3) TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR.
        - 4) ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE GLAZING.
3. GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS.
4. LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS WITH A MINIMUM FALL OF 6 INCHES WITHIN THE FIRST 10 FEET (R401.3).
5. DAMPROOFING, WHERE REQUIRED, SHALL BE INSTALLED WITH MATERIALS AND AS REQUIRED IN SECTION R406.1.
6. BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. (R319.1)
7. PROTECTION OF WOOD AND WOOD BASED PRODUCTS FROM DECAY SHALL BE PROVIDED IN THE LOCATIONS SPECIFIED PER SECTION R317.1 BY THE USE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AWPA U1 FOR THE SPECIES, PRODUCT, PRESERVATIVE AND END USE. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA U1.
8. PROVIDE ANTI-GRAFFITI FINISH WITHIN THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. EXCEPTION: MAINTENANCE OF BUILDING AFFIDAVIT IS RECORDED BY THE OWNER TO COVENANT AND AGREE WITH THE CITY OF LOS ANGELES TO REMOVE ANY GRAFFITI WITHIN 7-DAYS OF THE GRAFFITI BEING APPLIED. (6306)

ELECTRICAL NOTES:

1. PANEL LOCATIONS
   PANELS SHALL NOT BE LOCATED IN THE VICINITY OF EASILY IGNITABLE MATERIAL, SUCH AS CLOTHES CLOSETS, OR IN BATHROOMS (CEC 240-24(D)).
2. NON-METALLIC SHEATHED CABLE (CEC 334)
   NON-METALLIC SHEATHED CABLE SHALL BE:
   - A. PROTECTED BY RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, SCHEDULE 80 PVC CONDUIT, PIPE, OR OTHER MEANS WHEN CABLE IS EXPOSED OR SUBJECT TO PHYSICAL DAMAGE. (CEC 334.15(B))
   - B. PROTECTED BY A 1.16 INCH STEEL PLATE OR SLEEVE, OR BE NOT LESS THAN 1-1/4 INCH FROM THE NEAREST EDGE OF THE FRAMING MEMBER, WHEN INSTALLED THROUGH FRAMING MEMBERS. STEEL PLATES OR SLEEVES ARE REQUIRED ON ALL DOUBLE SHEAR WALLS WHEN CABLE IS INSTALLED EITHER THROUGH OR PARALLEL TO FRAMING MEMBERS (CEC 334.17).
   - C. PROTECTED BY GUARD STRIPS WITHIN 6FT OF AN ATTIC ACCESS WHEN NO PERMANENT STAIRS OR LADDERS ARE PROVIDED. (CEC 334.23, 320.23)
   - D. PROTECTED BY GUARD STRIPS IN THE ENTIRE ATTIC WHEN PERMANENT STAIRS OR LADDERS ARE PROVIDED. ACCESS PANELS OR DOORS FROM THE SECOND FLOOR INTO THE ATTIC ARE CONSIDERED PERMANENT ACCESS AND GUARD STRIPS ARE REQUIRED IN THE ENTIRE ATTIC.
   - E. HAVE A BENDING RADIUS NOT LESS THAN 5 TIMES THE DIAMETER OF THE CABLE (CEC 334.24).
   - F. SUPPORTED AT INTERVALS NOT EXCEEDING 4-1/2 FEET AND WITHIN 12" OF EVERY OUTLET BOX, JUNCTION BOX, CABINET OR FITTING (CEC 334.30).
3. CIRCUITS AND RECEPTACLES
   - A. RECEPTACLES SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FT. FROM AN OUTLET, INCLUDING ANY WALL SPACE 2 FT. WIDE OR GREATER. NOTE: A FIXED PANEL OF A SLIDING GLASS DOOR IS CONSIDERED WALL SPACE.
   - B. IN KITCHENS, BREAKFAST ROOMS, PANTRIES AND DINING ROOMS A MINIMUM OF 2-20A CIRCUITS SHALL BE PROVIDED (CEC 210.52(B)(1)).
     - COUNTER SPACE RECEPTACLES SHALL BE GFCI (CEC 210.8 (A)) AND INSTALLED:
     - AT EACH WALL COUNTER SPACE THAT IS 12 IN. OR GREATER (CEC 210.52 (C)(1));
     - NO MORE THAN 48 IN. OC. (CEC 210.52 (C)(1));
     - MAXIMUM 24 IN. FROM THE END OF THE COUNTER (CEC 210.52 (C)(1));
     - MAXIMUM 20 IN. ABOVE COUNTER SURFACE (CEC 210.52 (C)(5));
     - ON ISLAND COUNTER SPACES (ONE RECEPTACLE MIN.) NOT MORE THAN 12 IN. BELOW COUNTER SURFACE (CEC 210.52 (C)(5) EXCEPTION). AN ISLAND WITH LESS THAN 12" BEHIND A RANGE TOP OF SINK IS CONSIDERED AS DIVIDING THE COUNTERTOP INTO TWO SEPARATE SPACES (CEC 210.52 (C)(5));
     - ON PENINSULAR COUNTER SPACES (ONE RECEPTACLE MIN.) NOT MORE THAN 12 IN. BELOW COUNTER SURFACE (CEC) 210.52 (C)(5) EXCEPTION);
   - C. BATHROOMS SHALL HAVE A SEPARATE 20A CIRCUIT (CEC 210.11 (C)(3)) WITH AT LEAST ONE GFCI WALL RECEPTACLE WITHIN THE BASIN (CEC 210.8 (A)(1); CEC 210.52 (D));
   - D. LAUNDRY ROOMS SHALL HAVE A SEPARATE 20A CIRCUIT WITH AT LEAST ONE RECEPTACLE SHALL BE PROVIDED (CEC 210.11 (C)(2)). ALL RECEPTACLES WITHIN 6 FT. OF A SINK SHALL BE GFCI (CEC 210.52(H)).
   - E. IN GARAGES, AT LEAST ONE GFCI RECEPTACLE SHALL BE PROVIDED (CEC 210.52 (G)). ALL OTHER GARAGE RECEPTACLES EXCEPT THOSE DEDICATED TO AN APPLIANCE OR THAT ARE NOT READILY ACCESSIBLE SHALL BE GFCI. (CEC 210.8 (A)(2))
   - F. IN HALLWAYS OF 10 FT. OR MORE IN LENGTH, AT LEAST ONE RECEPTACLE SHALL BE PROVIDED (CEC 210.52 (H)).
   - G. OUTDOOR OUTLETS SHALL BE GFCI (CEC 210.8 (3)). ONE OUTLET SHALL BE INSTALLED AT THE FRONT OF THE DWELLING AND ONE AT THE REAR OF THE DWELLING. RECEPTACLES SHALL BE ACCESSIBLE AT GRADE LEVEL AND NOT MORE THAN 6-1/2 FT. ABOVE GRADE (CEC 210.52 (E)).
   - H. ALL CRAWL SPACE RECEPTACLES SHALL BE GFCI (CEC 210.8(A)(4));
   - I. ALL UNFINISHED BASEMENT RECEPTACLES SHALL BE GFCI UNLESS THEY ARE NOT READILY ACCESSIBLE OR ARE SERVICE A DEDICATED APPLIANCE (CEC 210.8 (A)(5)).
   - J. ALL RECEPTACLES WITHIN 6FT. OF A WET BAR SHALL BE GFCI (CEC 210.8(A)(7)).
   - K. ALL RECEPTACLES ON 15A OR 20A BRANCH CIRCUITS THAT SUPPLY FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY COMBINATION-TYPE ARC-FAULT CIRCUIT INTERRUPTERS (AFCI), INCLUDING SWITCHED OUTLETS (CEC 210.12(B)).
   - L. ALL RECEPTACLES SERVING APPLIANCES OR MOTORS WITH A RATING OF 1 HP OR 6 AMPS SHALL BE ON A SEPARATE CIRCUIT.
   - M. FOR HVAC EQUIPMENT, A SEPARATE 15A OR 20A CIRCUIT WITH AN ACCESSIBLE RECEPTACLE AT THE EQUIPMENT SHALL BE PROVIDED WITHIN 25 FT OF THE EQUIPMENT (CEC 210.63). IF LOCATED IN AN UNDER FLOOR AREA, THE RECEPTACLE SHALL BE GFCI (CEC 210.8 (4)).
4. LIGHTING (CEC 210.70)
   - A. SWITCHED LIGHTING SHALL BE INSTALLED IN:
     - ALL HABITABLE ROOMS, BATHROOMS, HALLWAYS, AND STAIRWAYS AT EACH LEVEL,
     - AT ALL OUTDOOR ENTRANCES AND EXITS,
     - IN ALL ATTICS, UNDER FLOOR AREAS, UTILITY ROOMS AND BASEMENTS USED FOR STORAGE,
     - NEAR HVAC EQUIPMENT IN ATTIC, UNDER FLOOR AREAS, ROOMS OR BASEMENTS, WITH A SWITCH AT THE ACCESS POINT.
   - B. LIGHTING INSTALLED IN ATTIC SHALL BE A SURFACE MOUNTED OR RECESSED FLUORESCENT FIXTURE OR A SURFACE MOUNTED INCANDESCENT FIXTURE WITH COMPLETELY ENCLOSED LAMPS OR RECESSED INCANDESCENT FIXTURE WITH COMPLETELY ENCLOSED LAMPS. SURFACE INCANDESCENT LIGHTING SHALL BE INSTALLED A MINIMUM OF 12 IN. FROM THE NEAREST POINT OF A STORAGE SPACE. SURFACE FLUORESCENT LIGHTING AND RECESSED LIGHTING SHALL BE INSTALLED A MINIMUM OF 6 IN. FROM THE NEAREST POINT OF A STORAGE SPACE. (CEC 410.8. (D)).
5. FANS
   IN BATHROOMS CONTAINING TUBS OR SHOWERS, A FAN CAPABLE OF EXHAUSTING 50 CFM SHALL BE INSTALLED (ENERGY STANDARDS 150 (O)).
6. SMOKE ALARMS
   IN NEW CONSTRUCTION, SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING. THE WIRING SHALL BE PER

MEANS OF EGRESS:

1. PROVIDE EMERGENCY EGRESS FROM SLEEPING ROOMS. SHOW DETAILS ON PLANS. MINIMUM - 24" CLEAR HEIGHT, 20" CLEAR WIDTH, 5.7 SF MINIMUM AREA (5.0 SF AT GRADE LEVEL) & 44" MAXIMUM TO SILL. (R310.1)
2. SHOW ON PLANS THAT THE ENTRY/EXIT DOOR MUST OPEN OVER A LANDING NOT MORE THAN 1.5" BELOW THE THRESHOLD. EXCEPTION: PROVIDING THE DOOR DOES NOT SWING OVER THE LANDING. LANDING SHALL BE NOT MORE THAN 7.75" BELOW THE THRESHOLD. STORM AND SCREEN DOORS ARE PERMITTED TO SWING OVER ALL EXTERIOR STAIRS AND LANDINGS. (R311.3.1)
3. SHOW THE FOLLOWING STAIRWAY DETAILS ON PLANS:
   - A. 7.75" MAXIMUM RISE & MINIMUM 10" RUN. (R311.7.5)
   - B. MINIMUM 6'-8" HEADROOM CLEARANCE. (R311.7.2)
   - C. MINIMUM 36" CLEAR WIDTH. (R311.7.1)
   - D. HANDRAILS 34" TO 38" HIGH ABOVE TREAD NOSING (R311.7.8.1)
   - E. HANDGRIP PORTION OF HANDRAIL SHALL NOT BE LESS THAN 1.25" AND NO MORE THAN 2" CROSS-SECTIONAL DIMENSION HAVING A SMOOTH SURFACE WITH NO SHARP CORNERS. (R311.7.7.3)
   - F. MAXIMUM 4" CLEAR SPACING OPENING BETWEEN RAILS. (R312.1.3)
4. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2 INCH GYPSUM BOARD. (R302.7)
5. ALL INTERIOR AND EXTERIOR STAIRWAYS SHALL BE ILLUMINATED. (R303.7)
6. PROVIDE 42" HIGH GUARDS WITH MAXIMUM 4" CLEAR SPACING OPENING BETWEEN RAILS AT (_____). (R312).
7. FOR GLASS HANDRAILS AND GUARDS, THE PANELS AND THEIR SUPPORT SYSTEM SHALL BE DESIGNED TO WITHSTAND THE LOADS SPECIFIED IN CHAPTER 16 OF 2014 LABC. A SAFETY FACTOR OF FOUR SHALL BE USED. THE MINIMUM NOMINAL THICKNESS OF THE GLASS SHALL BE 1/4 INCH. (2407)

WATER EFFICIENCY & CONSERVATION:

1. THE PROJECT SHALL DEMONSTRATE A 2-% REDUCTION IN WATER USE BY SPECIFYING PLUMBING FIXTURES AND FIXTURES THAT MEET THE FLOW RATES LISTED BELOW, OR THROUGH A CALCULATION SHOWING A 20% REDUCTION FROM BASELINE VALUES LISTED IN CALGREEN TABLE 4.303.1.

SHOWERHEADS	2.0 GALLONS PER MINUTE (GPM) 1*
LAVATORY FAUCET- RESIDENTIAL	1.5 GPM
KITCHEN FAUCETS	1.8 GPM
WATER CLOSETS	1.28 GALLONS PER FLUSH 2*
URINALS	0.5 GALLON PER FLUSH
METERING FAUCETS	0.2 GALLON PER CYCLE

NOTES:
- A. THE COMBINED FLOW RATE OF MULTIPLE SHOWER HEADS SHALL NOT EXCEED THE MAXIMUM FLOW RATE, OR THE SHOWER SHALL BE DESIGNED TO PERMIT ONE SHOWERHEAD TO BE IN OPERATION AT A TIME.
- B. THE EFFECTIVE FLUSH VOLUME FOR DUAL-FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.

2. THE FLOW RATES FOR ALL NEW PLUMBING FIXTURES SHALL COMPLY WITH THE MAXIMUM FLOW RATES SPECIFIED IN SECTION 4.303.1" (4.303.1)
3. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS AND/OR OTHER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 2.0 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWERHEAD TO BE IN OPERATION AT A TIME. (4.303.1.3.2)
4. FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. (STATE ASSEMBLY BILL NO. 1881)

ENERGY EFFICIENCY:

1. A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM ENERGY CODE SECTIONS 110.10(B) THROUGH 110.10(C) SHALL BE PROVIDED TO THE OCCUPANT.

MATERIAL CONSERVATION & RESOURCE EFFICIENCY:

1. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS, OR OTHER OPENINGS IN THE SOLE / BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY, OR METAL PLATES. PIPING PRONE TO CORROSION SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 313.0 OF THE LOS ANGELES PLUMBING CODE. (4.406.1)
2. MATERIALS DELIVERED TO THE CONSTRUCTION SITE SHALL BE PROTECTED FROM RAIN OR OTHER SOURCES OF MOISTURE.
3. AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT A MINIMUM, THE ITEMS LISTED IN SECTION 4.410.1, SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL INSPECTION." FORM GRN 6 (4.410.1)

ENVIRONMENTAL QUALITY:

1. PLANS SHALL STATE THAT THE FIREPLACE IS DIRECT-VENT, SEALED COMBUSTION TYPE. ANY INSTALLED WOODSTOVE OR PELLET STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS. INCORPORATE MANUFACTURER'S SPECIFICATIONS ONTO PLANS. (4.503.1)
2. ARCHITECTURAL PAINTS AND COATINGS, ADHESIVES, CAULKS AND SEALANTS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND (VOC) LIMITS LISTED IN TABLES 4.504.1- 4.504.3. (4.504.2.1-4.504.2.3)
3. ENVIRONMENTAL NOTES:
   - A. THE VOC CONTENT VERIFICATION CHECKLIST, FORM GRN 2, SHALL BE COMPLETED AND VERIFIED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING VOC CONTENT FOR ALL APPLICABLE PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (4.504.2.4)
   - B. ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:
     - I. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM
     - II. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350
     - III. NSF/ANSI 140 AT THE GOLD LEVEL
     - IV. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE™ GOLD (4.504.3)
   - C. ALL NEW CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. (4.504.3.1)
   - D. 80% OF THE TOTAL AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING:
     - I. CERTIFIED AS A CHPS LOW-EMITTING MATERIAL IN THE CHPS HIGH PERFORMANCE PRODUCTS DATABASE
     - II. CERTIFIED UNDER UL GREENGUARD GOLD
     - III. CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM
     - IV. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350 (4.504.4)
   - E. NEW HARDWOOD PLYWOOD, PARTICLE BOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE FORMALDEHYDE LIMITS LISTED IN TABLE 4.504.5. (4.504.5)
   - F. THE FORMALDEHYDE EMISSIONS VERIFICATION CHECKLIST, FORM GRN 3, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING FORMALDEHYDE CONTENT FOR ALL APPLICABLE WOOD PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (4.504.5)
   - G. MECHANICALLY VENTILATED BUILDINGS SHALL PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH A MERV 13 FILTER FOR OUTSIDE AND RETURN AIR. FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL. (4.504.6)
   - H. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED UNTIL IT IS INSPECTED AND FOUND TO BE SATISFACTORY BY THE BUILDING INSPECTOR. (4.505.3)
     - I. THE HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED AND DESIGNED USING ANSI/ACCA MANUAL J-2011, ANSI/ACCA 29-D-2014 OR ASHRAE HANDBOOKS AND HAVE THEIR EQUIPMENT SELECTED IN ACCORDANCE WITH ANSI/ACCA 3 MANUAL S-2014. (4.507.2)

VERY HIGH FIRE HAZARD SEVERITY ZONE:

1. CLASS A ROOF COVERING IS REQUIRED FOR ALL BUILDINGS. WOOD SHAKES AND SHINGLES ARE NOT PERMITTED. (7207.4, 1505)
2. VALLEY FLASHINGS SHALL BE NOT LESS THAN 0.019-INCH (0.48 MM) (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL INSTALLED OVER A MINIMUM 36-INCH-WIDE (914MM) UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 72 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY (705A.3)
3. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER (705A.4)
4. (ROOF) (ATTIC)(EXTERIOR WALL) VENTS SHALL RESIST THE INTRUSION OF FLAME AND EMBERS INTO THE ATTIC AREA OF THE STRUCTURE, OR SHALL BE PROTECTED BY CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH 1/4 BINCH (6 MM) OPENINGS OR ITS EQUIVALENT. VENTS SHALL NOT BE INSTALLED IN EAVES AND CORNICES (706A.1, 706A.2, 706A.3, 7207.3)
5. EAVES AND SOFFITS SHALL MEET THE REQUIREMENTS OF SFM 12-7A-3 OR SHALL BE PROTECTED BY IGNITION-RESISTANT MATERIALS OR NONCOMBUSTIBLE CONSTRUCTION ON THE EXPOSED UNDERSIDE (707A.5)
6. EXTERIOR WALLS SHALL BE APPROVED NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIAL, HEAVY TIMBER, OR LOG WALL CONSTRUCTION OR SHALL PROVIDE PROTECTION FROM THE INTRUSION OF FLAMES AND EMBERS IN ACCORDANCE WITH STANDARD SFM 12-7A-1 (707A.3)
7. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF FOUNDATION TO THE ROOF, AND TERMINATE AT 2-INCH (50.8 MM) NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN THE CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE (704A.3.2)
8. EXTERIOR WINDOWS, WINDOW WALLS, GLAZE DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING- GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE, OR GLASS BLOCK UNITS, OR HAVE A FIRE- RESISTANCE RATING OF NOT LESS THAN 20 MINUTES, WHEN TESTED ACCORDING TO NFPA 257, OR CONFORM TO THE PERFORMANCE REQUIREMENTS OF SFM 12-7A-2 (708A.2.1)
9. EXTERIOR DOOR ASSEMBLIES SHALL CONFORM TO THE PERFORMANCE REQUIREMENTS OF STANDARD SFM 12-7A-1 OR SHALL BE APPROVED NONCOMBUSTIBLE CONSTRUCTION, OR SOLID CORE WOOD HAVING STILES AND RAILS NOT LESS THAN 1 3/8 INCHES THICK WITH INTERIOR FIELD PANEL THICKNESS NO LESS THAN 1-1/4 INCHES THICK, OR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO ASNFPA 252. (EXCEPTION: NONCOMBUSTIBLE OR EXTERIOR FIRE-RETARDANT TREATED WOOD VEHICLE ACCESS DOORS) (708A.3)
10. DECKING, SURFACES, STAIR TREADS, RISERS, AND LANDINGS OF DECKS, PORCHES, AND BALCONIES WHERE ANY PORTION OF SUCH SURFACE IS WITHIN 10 FEET (3048 MM) OF THE PRIMARY STRUCTURE SHALL BE CONSTRUCTED OF HEAVY TIMBER, NON COMBUSTIBLE OR OTHER APPROVED MATERIALS PER SEC.709A.3
11. THE UNDERSIDE OF CANTILEVERED AND OVERHANGING APPENDAGES AND FLOOR PROJECTIONS SHALL MAINTAIN THE IGNITION- RESISTANT INTEGRITY OF EXTERIOR WALLS, OR THE PROJECTION SHALL BE ENCLOSED TO THE GRADE (707A.8)
12. BUILDINGS SHALL HAVE ALL UNDERFLOOR AREAS COMPLETELY ENCLOSED TO THE GRADE WITH CONSTRUCTION AS REQUIRED FOR EXTERIOR WALLS (707A.8, 7207.1)
13. ALL UTILITIES, PIPES, FURNACES, WATER HEATERS OR OTHER MECHANICAL DEVICES LOCATED IN AN EXPOSED UNDER-FLOOR AREA OF A RESIDENTIAL BUILDING SHALL BE ENCLOSED WITH MATERIALS AS REQUIRED FOR 1-HOUR FIRE-RESISTIVE CONSTRUCTION.(7207.2)
14. THE SPACE BETWEEN THE ROOF COVERING AND ROOF DECKING SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS AND BE FIRE STOPPED PER 705A.2.
15. NO TRELLIS IS PERMITTED WITHIN 10 FEET OF THE PRIMARY STRUCTURE.
16. TRELLIS MORE THAN 10 FEET FROM THE PRIMARY STRUCTURE SHALL BE CONSTRUCTED OF HEAVY TIMBER OR NON COMBUSTIBLE MATERIALS. MINIMUM OF 4 INCHES SPACING IS REQUIRED BETWEEN THE MEMBERS. (INFORMATION BULLETIN NO. P/BC 2020-023).
17. VISIT HTTPS://OSFM.FIRE.CA.GOV/DIVISIONS/FIRE-ENGINEERING-AND-INVESTIGATIONS/BUILDING-MATERIALS-LISTING/BML-SEARCH-BUILDING-MATERIALSLISTING TO SEARCH THE CALIFORNIA STATE FIRE MARSHAL DIRECTORY OF BUILDING MATERIAL LISTINGS.

SOUND TRANSMISSION:

1. ALL RIGID CONDUITS, DUCTS, PLUMBING PIPES, AND APPLIANCE VENTS LOCATED IN SOUND ASSEMBLIES SHALL BE ISOLATED FROM THE BUILDING CONSTRUCTION BY MEANS OF RESILIENT SLEEVES, MOUNTS, OR A MINIMUM 1/4" THICK APPROVED RESILIENT MATERIAL.
2. PENETRATIONS INTO SOUND RATED PARTITIONS OR FLOOR-CEILING ASSEMBLIES SHALL BE SEALED, LINED, OR INSULATED WITH AN APPROVED PERMANENT RESILIENT SEALANT.
3. AN APPROVED PERMANENT AND RESILIENT ACOUSTICAL SEALANT SHALL BE PROVIDED ALONG THE JOINT BETWEEN THE FLOOR AND THE SEPARATION WALLS
4. CARPETS OR SIMILAR SURFACE MATERIAL WHICH ARE PART OF THE FLOOR CEILING ASSEMBLY MUST BE INSTALLED AND INSPECTED BEFORE THE CERTIFICATE OF OCCUPANCY IS ISSUED AND MAY BE REPLACED ONLY BY OTHER FLOOR COVERING THAT PROVIDES THE REQUIRED IMPACT SOUND INSULATION.
5. METAL VENTILATING AND CONDITIONED AIR DUCTS LOCATED IN SOUND ASSEMBLIES SHALL BE LINED. (EXCEPTION: DUCTS SERVING ONLY EXIT WAYS, KITCHEN COOKING FACILITIES, AND BATHROOMS NEED NOT BE LINED).
6. MINERAL FIBER INSULATION SHALL BE INSTALLED IN JOIST SPACES WHENEVER PLUMBING PIPING OR DUCTS PENETRATES A FLOOR CEILING ASSEMBLY OR WHERE SUCH UNIT PASSES THROUGH THE PLANE OF THE FLOOR CEILING ASSEMBLY FROM WITHIN A WALL. THE INSULATION SHALL BE INSTALLED TO A POINT 12 INCHES BEYOND THE PIPE OR DUCT. THIS REQUIREMENT IS NOT APPLICABLE TO FIRE SPRINKLER PIPING, GAS LINES OR ELECTRICAL CONDUITS.
7. ELECTRICAL OUTLET BOXES IN OPPOSITE FACES OF SEPARATION WALLS SHALL BE SEPARATED HORIZONTALLY BY 24 INCHES AND NOTE THAT BACK AND SIDES OF BOXES WILL BE SEALED WITH 1/8" RESILIENT SEALANT AND BACKED BY A MINIMUM OF 2 INCH THICK MINERAL FIBER INSULATION (TV, TELEPHONE AND INTERCOM OUTLETS MUST BE INSTALLED IN BOXES ACCORDINGLY).

FOUNDATION NOTES:

1. CONCRETE STRENGTH FOR FOUNDATION SHALL BE 2,500 PSI MIN. (CRC R402.2. TABLE R402.2)
2. MINIMUM FOOTING REINFORCEMENT SHALL BE ONE #4 BAR TOP AND BOTTOM (CRC R403.1.3).
3. MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5.8" DIA. AB @ 72" OC., WITH 7" EMBEDMENT, AND 3" X 3" X 1/4" PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 4 1/2" MINIMUM FROM THE END OF THE PLATE (CRC R403.1.6, R602.11.1).

INTERIOR ENVIRONMENT:

1. PROVIDE 15" MINIMUM BETWEEN THE CENTER OF WATER CLOSET TO ANY SIDE WALL. (CALIF. PLUMB. CODE 407.6)
2. PROVIDE 24" CLEAR SPACE IN FRONT OF ANY WATER CLOSET. (CALIF. PLUMB. CODE 407.6)
3. BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER SIMILAR ROOMS SHALL BE PROVIDED NATURAL VENTILATION OR WITH MECHANICAL VENTILATION CAPABLE OF 50 CFM EXHAUSTED DIRECTLY TO THE OUTSIDE (R303.3)
4. HEATER SHALL BE CAPABLE OF MAINTAINING A MINIMUM ROOM TEMPERATURE OF 68ºF AT A POINT 3 FEET ABOVE THE FLOOR AND 2 FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS AT THE DESIGN TEMPERATURE. (R303.9)

CITY APPROVAL STAMP

REVISE DATES:

CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH THE WORK

AS INSTRUMENT OF SERVICE, ALL DESIGN, IDEAS AND INFORMATION SHOWN ON THESE DRAWINGS ARE AND SHALL REMAIN THE PROPERTY OF **SEC DEVELOPMENT** NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF **SEC DEVELOPMENT**. VISUAL CONTACT WITH THESE DRAWINGS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

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GENERAL NOTES

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PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	N.T.S.

A-13

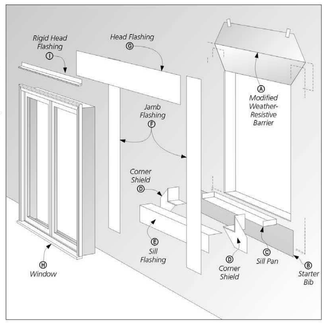
WOOD WINDOW SILL PAN FLASHING

A GUIDE TO INSTALLING SLOPED SILL WOOD WINDOWS

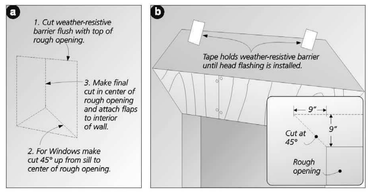
*The "Wood Window Sill Pan Flashing" installation guide is designed for wood windows that utilize sloped sills, where the window is installed after the weather-resistive barrier is applied. **Fortifiber Building Systems Group®** provides this installation guide to assist installers by demonstrating an efficient and effective method for exterior window flashing installation. Compliance with the building code and proper installation are critical in reducing potential water leakage points.*

*The following **Fortifiber** products are used in this guide:*

- ***FortiFlash® Self Adhesive Waterproof Flashing Membrane 4, 6, 9, 12, 18 and 36 inch x 75' rolls***
- ***FortiFlash® Commercial Self Adhesive Waterproof Flashing Membrane 6, 9, 12 and 18 inch x 75' rolls***
- ***FortiFlash® Butyl Self Adhesive Waterproof Flashing Membrane 4, 6, 9 and 12 inch x 75' rolls***
- ***Moistop E-Z Seal Self Adhesive Flashing, 6, 9, 12 inch x 75' rolls***
- ***Moistop neXT® Flashing, 6, 9 and 12 inch x 200' rolls***
- ***Moistop PF® Flashing, 6, 9, 12 and 18 inch x 300' rolls***
- ***Moistop Corner Shield®***
- ***Moistop® Sealant***
- ***Fortifiber Sheathing Tape***



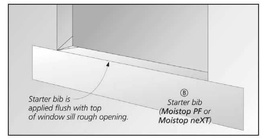
1 MODIFY WEATHER-RESISTIVE BARRIER



*At the rough opening **(1a)**, cut the weather-resistive barrier in an inverted "Y" fashion, and then fasten with the methods show above. To allow for head flashing integration, **(1b)** make the following diagonal cuts at the top of the rough opening corners. For 9" flashing measure as follows: 9" up and 9" over, (45° angle). Cut on the diagonal from marked point to the rough opening corner. Gently raise the top edge of the weather-resistive barrier and tape the corners and the center to the barrier suface above. This will allow for the installation of the window and the jamb and head flashing later.*

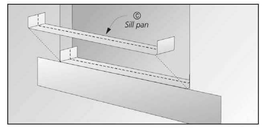
1

2 STARTER BIB



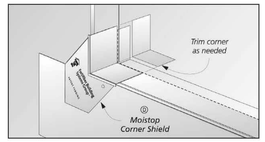
Cut the starter bib to the width of the rough opening plus twice the jamb flashing width, minus 1". Attach the starter bib flush along the bottom of the rough opening.

3 INSTALL SILL PAN



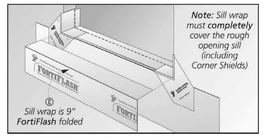
Place the sill pan with sides upturned in the rough opening. The leading edge of the sill pan must be aligned with the front of the rough opening.

4 SILL CORNERS

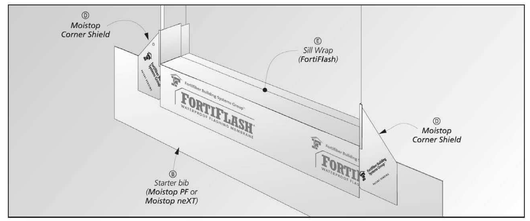


*Install **Moistop Corner Shield** at each corner on top of the sill pan. If necessary, trim the back edge of the sill corners so they **do not** extend past the sill pan fold line.*

5 INSTALL SILL WRAP



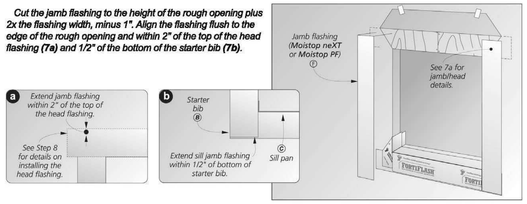
*Cut 9" **FortiFlash** to the width of the rough opening. Align back edge of **FortiFlash** to the marked fold line of the sill pan and fold over the front of the bib.*



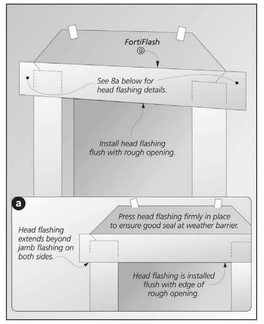
2

7 INSTALL JAMB FLASHING

*Cut the jamb flashing to the height of the rough opening plus 2x the flashing width, minus 1". Align the flashing flush to the edge of the rough opening and within 2" of the top of the head flashing **(7a)** and 1/2" of the bottom of the starter bib **(7b)**.*

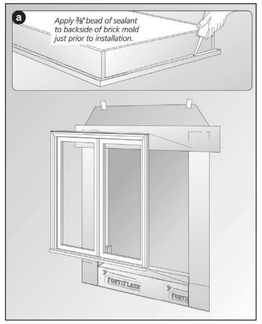


8 HEAD FLASHING



*Wipe the jamb flashing, weather-resistive barrier, and sheathing with a clean rag. Cut a piece of flashing to size. **Note:** the length of the head flashing is the width of the rough opening + 2x the width of the flashing plus 2" **(8a)**. Install the head flashing by pressing firmly in place in one*

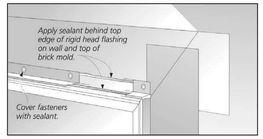
9 INSTALL WINDOW



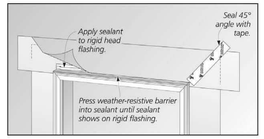
*Before installing the door or window, apply a 3/8" continuous bead of Moistop Sealant **(9a)** to the backside (interior) of the brickmold. Install the window or door according to the manufacturer's instructions.*

3

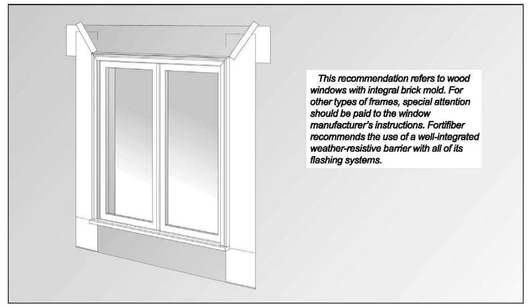
10 RIGID HEAD FLASHING



Prior to installing the rigid head flashing apply a 3/8" bead of sealant to the top of brick mold. Then place sealant on the top edge (interior side) of rigid head flashing. Place head flashing over brick mold and fasten with galvanized nails or screws. Apply sealant over these fasteners.



Place a 3/8" bead sealant along the lower portion of the upturned leg of the rigid flashing. This will allow the weather-resistive barrier to be applied in sealant. Finally, allow the flap of the weather-resistive barrier to lay flat over the sealant and rigid head flashing. Press flap into sealant and apply a new piece of sheathing tape over the entire diagonal cut made in the weather resistive barrier and press firmly in place.



This recommendation refers to wood windows with integral brick mold. For other types of frames, special attention should be paid to the window manufacturer's instructions. Fortifiber recommends the use of a well-integrated weather-resistive barrier with all of its flashing systems.

Limitations: For optimum adhesion, **FortiFlash, FortiFlash Commercial** and **Moistop E-Z Seal** flashings should be applied at temperatures between 40° F (4.4° C) and 120° F (48.9° C); **FortiFlash Butyl** may be applied at temperatures between 25° F (3.8° C) and 120° F (51.7° C). Be cautious about using FortiFlash where it can be exposed to temperatures above its Service Temperature such as hot climates or behind floor cement and metal sidings that absorb a significant amount of heat. FortiFlash, FortiFlash Commercial and FortiFlash Butyl are the only Fortifiber flashing products that can be installed horizontally or at a slope of less than 60°. Where installed horizontally or with a slope of less than 60° do not use fasteners. Product should be covered as soon as possible. Inspect product to insure it is free of any protrusions or damage which may compromise its moisture-resistive properties. **FortiFlash is not compatible with EPDM or flexible (plasticized) Polyvinyl Chloride (PVC) based products. FortiFlash and Moistop E-Z Seal are not compatible with some sealants. Consult with sealant manufacturer for compatibility information.** Direct exposure of sealant to the adhesive side of FortiFlash or Moistop E-Z Seal can be detrimental if the amount of sealant exceeds what is specified above. Please follow these recommendations regarding location and amount of sealant to be used. Fortifiber strongly recommends against the practice of using a "knockdown bead of sealant," or "buttering the flange" with sealant, because this amount of sealant is excessive and unnecessary.

Call 1-800-773-4777 Nationwide for Technical Assistance or visit our website at *www fortifiber com*

Fortifiber Building Systems Group®

Protecting Your World from the Elements ®

NATIONAL SALES OFFICE – Fernley, NV

(10/8/10)

4

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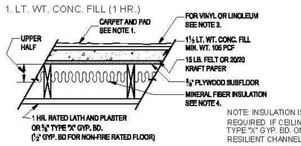
FLASHING DETAILS & FIRE & SOUND RATED WALLS

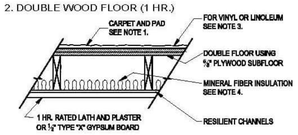
STANDARD SOUND RATED FLOOR - CEILING ASSEMBLIES

STC 50 - IIC 50 FIRE RATING AS SHOWN

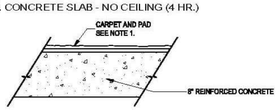
1. LT. WT. CONC. FILL (1 HR.)



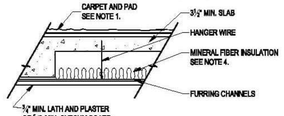
2. DOUBLE WOOD FLOOR (1 HR.)



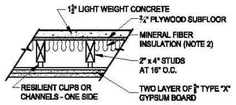
3. CONCRETE SLAB - NO CEILING (4 HR.)



4. CONCRETE SLAB - WITH CEILING (2 HR.)



5. LT WT. CONC. FILL (2 HR.)



GENERAL NOTES:

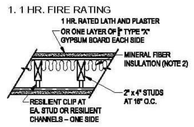
1. 13 oz. face wt. carpet (31 oz. tot) and 40 oz. jutted pad, or 48 oz. foam rubber, or 3/8" rebonded urethane foam (4 pcf), or ½" urethane foam (2.4 pcf).
2. Type and spacing of resilient channels and the attachment of channels and gypsum board or lath shall be as required for fire ratings.
3. Sheet vinyl and linoleum floor coverings with 1/8" minimum thickness resilient backing may be substituted for carpet and padding in kitchen and bathroom areas, if ceilings are on resilient channels.
4. The mineral fiber insulation shall have a thermal resistance R value of 11 or greater as determined by Federal Specification HH-I-521E.

LADBS APPROVAL STAMP

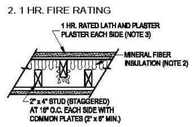
STANDARD SOUND RATED PARTITION ASEMBLIES

STC 50 – FIRE RATING AS SHOWN

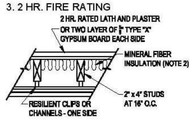
1. 1 HR. FIRE RATING



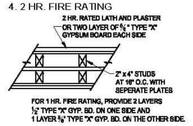
2. 1 HR. FIRE RATING



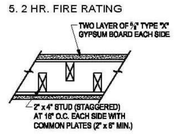
3. 2 HR. FIRE RATING



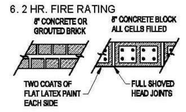
4. 2 HR. FIRE RATING



5. 2 HR. FIRE RATING



6. 2 HR. FIRE RATING



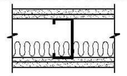
GENERAL NOTES:

1. The type and spacing of resilient channels and clips and the attachment of gypsum board or lath shall be as required for fire ratings.
2. The mineral fiber insulation shall have a thermal resistance R value of 11 or greater as determined by Federal Specification HH-I-521B.
3. No test is on file to justify an STC 50 with one 5/8" type "X" gypsum board each side.

FIRE RATED FLOOR-CEILING ASSEMBLIES USING METAL FRAMING

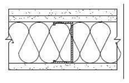
STC 50 - IIC 50 FIRE RATING AS SHOWN

1. ONE HOUR FIRE RATED PARTITION



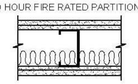
One layer ½" type "X" gypsum wallboard or veneer base applied parallel to one side of min. 2 ½" No. 25 gauge metal studs 24" o.c. with 1" type "S" drywall screws 8" o.c. 2" mineral fiber 2.5 pcf friction fit in stud space. Two layers ½" type "X" gypsum wallboard or veneer base applied on other side parallel to studs with 1" type "S" drywall screws 36" o.c. in base layer and 1 5/8" type "S" drywall screws in face layer 12" o.c. stagger joints 24" o.c. each layer and side.

2. ONE HOUR FIRE RATED PARTITION



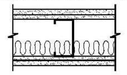
One layer ½" Type "X" plain or predecorated gypsum wallboard applied parallel to one side of min. 2 ½" No. 25 gauge steel studs 24" o.c. with 1" type "S" drywall screws 8" o.c. at vertical joints and 3/8" adhesive beads at intermediate studs.
OPPOSITE SIDE: **BASE LAYER** ½" type "X" gypsum wallboard applied parallel to studs with 1" type "S" drywall screws 8" o.c. at vertical joints and 12"o.c. at intermediate studs. **FACE LAYER** ½" Type "x" plain or predecorated gypsum wallboard applied parallel to studs with 1 5/8" type "S" drywall screws 8" o.c. at vertical joints and 5/8" adhesive beads at intermediate studs. Joints staggered 24" each layer and side. Sound tested with 3½" glass fiber insulation friction fit in stud space and all layers screw attached without adhesive..

3. TWO HOUR FIRE RATED PARTITION



BASE LAYER ½" type "X" gypsum wallboard or veneer base applied parallel to each side of min. 2 ½" No. 35 gauge metal stud 24" o.c. with 1" type "S" drywall screws 12" o.c. **FACE LAYER** ½" type "X" gypsum wallboard or veneer base applied on each side parallel to studs with 1 5/8" type "S" drywall screws 12" o.c. stagger joints 24" o.c each layer and side. Sound tested using 1 ½" mineral fiber in stud space.

4. ONE HOUR FIRE RATED PARTITION



Min. 2 ½" No. 25 gauge metal studs 24" o.c. max. 3/8" type "X" gypsum lath attached to studs each side with 1" self drilling screws, two per panel width per stud. ½" gypsum and sand plaster; 1 ½" mineral fiber insulation 2.5 pcf.
Alternate: Attach gypsum lath with resilient clips.

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development

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