Use trees or other plantings to provide shade and that mature within 5 years of planting. Trees shall be suitable in mature size and environmental requirements for the site. Tree selection and placement shall consider location and size of areas to be shaded, location of utilities, views from the structure, distance to sidewalks and foundations, overhangs onto adjacent properties and streets; other infrastructure and adjacent to landscaping. In addition, shading shall not cast a shadow, as specified, on any neighboring solar collectors pursuant to Public Resources Code Section 25981, et seg. (Solar Shade Control Act);

2. Use high albedo materials with an initial solar reflectance value of at least .30 as determined in accordance with American Society for Testing and Materials (ASTM) Standards E1918 or C1549:

3. Use open grid pavement system or pervious or permeable pavement system;

Use solar panel arrays to create a canopy shade system; or

Other methods of reducing heat island effects acceptable to the Department

99.04.106.5. Cool Roof for Reduction of Heat Island Effect. Roofing material shall comply with the following:

99.04.106.5.1. Solar Reflectance. Roofing material shall have a minimum 3-year aged solar reflectance equal to or greater than the values specified in Table 4.106.5.

99.04.106.5.2. Thermal Emittance. Roofing materials shall have a Cool Roof Rating Council (CRRC) initial or aged thermal emittance equal to or greater than those specified in Table 4.106.5.

Solar reflectance values shall be based on the aged reflectance value of the roofing product or the equation in Section A4.106.5.1 if the CRRC certified aged solar reflectance are not available.

EXCEPTIONS

Roof replacement when the roof area being replaced is equal to or less than 50% of the total roof area; or

Building-integrated photovoltaics (BIPV).

TABLE 4.106.5

ROOF SLOPE	MINIMUM 3-YEAR AGED SOLAR REFLECTANCE	THERMAL EMITTANCE
≤2:12	0.63	0.75
> 2 : 12	0.20	0.75

ESP-SMT Controller

U.S. Environmental Protection Agency WaterSense Approved

REDUCTION OF HEAT ISLAND EFFECT (FOR ROOF & NONROOF AREAS)

The Rain Bird® ESP-SMT is the

first controller from a full-line

irrigation manufacturer to earn

the Environmental Protection

The WaterSense label certifies that the ESP-SMT has passed the

EPA's rigorous testing, and confirms that the controller is at

least 20 percent more efficient than other products, without

How does the ESP-SMT conserve water?

landscape requires, which means no more over watering.

The ESP-SMT leverages technology used by top golf courses for

decades, and integrates it into an easy-to-use residential/light

commercial controller. Just like the golf courses, your controller will

only water when necessary and will only water the amount that the

On-site rainfall data — The ESP-SMT collects rainfall amounts from

your property and uses this information to recalculate run times for

Historical weather data – The internal memory of the ESP-SMT

with the onsite rainfall and temperature information, is used to

Reduced water run-off – The ESP-SMT Cycle and Soak™ feature

allows the controller to take into account soil conditions when it

calculates run time. This reduces the amount of water that runs off

Want to learn more about saving water with the ESP-SMT?

Watch the overview video at www.rainbird.com/ESP-SMT

adjust watering run times on a daily basis.

because the soil can't absorb it.

contains over eight years of historical weather data. This data, along

sacrificing performance.

each irrigation zone.

Agency (EPA) WaterSense label.

GRN 11 - VOC & FORMALDEHYDE LIMITS GRN 1 - STORMWATER CONTROL

LA DBS VOC AND FORMALDEHYDE LIMITS (Incorporate this form into the plans)

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{2,7} Less Water and Less Exempt Compounds in Grams per Liter Grams of VOC per Liter of Coating. CURRENT VOC LIMIT SEALANTS Less Water and Less Exempt Compound CURRENT LIMIT COATING CATEGORY Marine deck Vonmembrane root Nonflat coatings Nonflat-high gloss coatings Single-ply roof membrane Specialty Coatings Aluminum roof coatings SEALANT PRIMERS Basement specialty coatings Bituminous roof coatings Bituminous roof primers Bond breakers lodified bituminous Concrete curing compounds Marine deck Concrete/masonry sealers Driveway sealers Dry fog coatings Faux finishing coatings ADHESIVE VOC LIMIT Fire resistive coatings Floor coatings ARCHITECTURAL APPLICATIONS Form-release compounds ndoor carpet adhesives Graphic arts coatings (sign paints) High temperature coatings Carpet pad adhesives ndustrial maintenance coating outdoor carpet adhesives Wood flooring adhesive Low solids coatings' Magnesite cement coating

The tables below are taken from the 2014 Los Angeles Green Building Code

Tables 4.504.1, 4.504.2, 4.504.3, 4.504.5, 5.504.4.1, 5.504.4.2, 5.504.4.3, 5.504.4.5

Note: For additional information regarding methods to measure the VOC content specified in these Less Water and Less Exempt Compounds in Grams per Liter CURRENT VOC LIMIT lubber floor adhesives Subfloor adhesives eramic tile adhesives CT and asphalt tile adhesives Irywall and panel adhesives ve base adhesives ultipurpose construction adhesives tructural glazing adhesives ingle-ply roof membrane adhesives Ither adhesives not specifically liste SPECIALTY APPLICATIONS BS welding Plastic cement welding Adhesive primer for plastic Contact adhesive

an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC

For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168, http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF.

Special purpose contact adhesive

'orous material (except wood

Plastic foams

Page 1 of 1

The Icon 60 Direct Vent Gas Fireplace is the quintessential true masonry look in a direct vent

fireplace. The large size and clean face makes a statement in any room and meets today's interior

design trends. The direct vent system provides higher efficiencies and preserves indoor air quality.

The Icon Direct Vent is a true masonry look coupled with the clean, convenience of gas. Finish your

Optional Heat-Zones or Heat Ducts available to route some heat into other rooms of the

Top direct vent allows installation along interior or exterior walls, below grade, or in corners.

• Sealed combustion chamber uses only outside air for combustion, helping to preserve indoor

Icon Direct Vent with one of two unique fronts in three finishes and one of our stunning optional

Choose one of two unique front faces to create just the right look (one required)

• Finishing material can be brought up to opening to minimize visible black steel.

Incredible focal point in any room. 31-3/4" x 28-7/8" opening on the I60

ructural wood member adhesive

SUBSTRATE SPECIFIC APPLICATIONS

Zinc-rich primers Grams of VOC per liter of coating, including water and including exempt compounds. able. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board. FORMALDEHYDE LIMITS' aximum Formaldehyde Emissions in Parts per Million. Hardwood plywood veneer core Hardwood plywood composite core Medium density fiberboard

Mastic texture coatings

Multicolor coatings

Recycled coatings

Roof coatings

Stone consolidants

Nood coatings

Wood preservatives

Revised 02-28-2014

Product ID: IDV4833

Features

Heatilator Icon 60 Direct Vent Fireplace

surrounds, timelessly crafted, detailed and cast from beautiful sandstone.

Refractory standard your choice of traditional or herringbone.

air quality and prevent negative air pressure problems.

UL tested and listed; Limited Lifetime Warranty. UL 307 B

ICON60 features 6 oversized, hand-painted logs;

33,500 - 48,000 Btu hour/input for the ICON60.

DIRECT-VENT FIREPLACE

The perfect fireplace choice for that semi-custom home.

Can be installed in a flush hearth.

• ANSI Z21.88b-2008

Swimming pool coatings

Traffic marking coatings

Waterproofing membranes

Tub and tile refinish coatings

Metallic pigmented coatings

Pretreatment wash primers

Reactive penetrating sealers

Rust preventative coatings

rimers, sealers, and undercoaters

Opaque Specialty primers, sealers and underc

Thin medium density fiberboard 0.13

Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333. For additional information, see California Code of Regulations, Title 17, Sections 33120 through nin medium density fiberboard has a maximum thickness of \$\(\gamma_{10}\) inches (8 mm).

www.ladbs.org Revised 01-01-2014

STORM WATER POLLUTION CONTROL (2014 Los Angeles Green Building Code)

Storm Water Pollution Control Requirements for Construction Activities

FIXTURE TYPE

LACEDBS

Showerheads

Kitchen faucets

Lavatory faucets, residential

Lavatory Faucets, nonresidential

Gravity tank type water closets

Flushometer tank water closets

Flushometer valve water closets

¹Lavatory Faucets shall not have a flow rate less than 0.8 gpm at 20 psi.

and must default to a maximum flow rate of 1.8 gpm @ 60psi.

Minimum Water Quality Protection Requirements for All Construction Projects

Page 1 of 1

PLUMBING FIXTURE FLOW RATES

Residential Occupancies

2014 Los Angeles Green Building Code

(Incorporate this form into the plans)

MAXIMUM ALLOWABLE FLOW RATE

2 gpm @ 80 psi

1.5 gpm @ 60 psi

0.4 gpm @ 60 psi

1.8 gpm @ 60 psi

1.28 gallons/flush

1.28 gallons/flush

1.28 gallons/flush

0.125 gallons/flush

SECTION 4.303.1

FIXTURE FLOW RATES

²Kitchen faucets may temporarily increase flow above the maximum rate, but not above 2.2gpm @ 60psi

³ Where complying faucets are unavailable, aerators rated at .35 gpm or or other means may be used to

Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The

Dual Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The

Page 1 of 1

effective flush volume is the average flush volume when tested in accordance with ASME

effective flush volume is defined as the composite, average flush volume of two reduced flushes

and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME

Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.

LA DBS FORM GRN 1

FORM GRN 9

2014 Los Angeles Green Building Code

MANDATORY REQUIREMENTS CHECKLIST

ADDITIONS AND ALTERATIONS TO RESIDENTIAL BUILDINGS (COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS)

GRN 9 - MANDATORY CHECKLIST

The following notes shall be incorporated in the approved set of construction/grading plans and	Pro	ject Address	: 1030 N. ANOKA PLACE Date	e: 02.23.15	
represents the minimum standards of good housekeeping which must be implemented on all construction projects.	ITE:		REQUIREMENT	REFERENCE SHEET (Sheet #	(e.g. note #, detail #
Construction means constructing, clearing, grading or excavation that result in soil disturbance.			BLANDING AND DECICAL	or N/A	or reason for N/A)
Construction includes structure teardown (demolition). It does not include routine maintenance to maintain			PLANNING AND DESIGN Storm water drainage and retention during		
original line and grade, hydraulic capacity, or original purpose of facility; emergency construction activities	1	4.106.2	construction	A1.1	GRN 1
required to immediately protect public health and safety; interior remodeling with no outside exposure of	2	4.106.3	Grading and paving	A1.1 / A2.1	'C' / CALC.
construction material or construction waste to storm water; mechanical permit work; or sign permit work. (Order No. 01-182, NPDES Permit No. CAS004001 – Part 5: Definitions)		4.106.5	Cool roof for reduction of heat island effect	A1.1 / A3.3	
(Older No. 01-182, NFDES Fermit No. CAS004001 – Fait 3. Demindons)			WATER EFFICIENCY & CONSERVATION		
1. Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via	4	4.303.1	Water conserving plumbing fixtures and fittings	A1.1	GRN 14 #5
sheet flow, swales, area drains, natural drainage or wind.	5	4.303.1.3.2	Multiple showerheads serving one shower	A1.1	GRN 14 #6
2. Stockpiles of earth and other construction-related materials shall be covered and/or protected from being	6	4.304.1	Irrigation controllers NEW	~~~	GRN NOTES #G1
transported from the site by wind or water.	7	4.304.1.1	Irrigation design	N/A	NA
3. Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall			MATERIAL CONSERVATION & RESOURCE		
not contaminate the soil nor the surface waters. All approved toxic storage containers are to be	8		Rodent proofing	A1.1	GRN 14 #9
protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall	9		Flashing details	A1.1	DTL 1, 2, 3, 4
not be washed into the drainage system.	10		Material protection	A1.1	GRN 14 #10
4. Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained	11		Construction waste reduction of at least 50 percen		GREEN NOTE
on the project site.	12	2 4.410.1	Operation and maintenance manual	A1.1	GRN 14 #12
5. Excess or waste concrete may not be washed into the public way or any drainage system. Provisions	4.7	4 502 1	ENVIRONMENTAL QUALITY	A1 1	CDN 14 #12
shall be made to retain concrete waste on-site until it can be appropriately disposed of or recycled.	13	3 4.503.1	Fireplaces and woodstoves Covering of duct openings and protection of	A1.1	GRN 14 #13
6. Trash and construction -related solid wastes must be deposited into a covered receptacle to prevent	14	4.504.1	mechanical equipment during construction	A1.1	GRN 14 #14
contamination of storm water and dispersal by wind.	15	5 4.504.2	Finish material pollutant control		
7. Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction	16		-	A1.1	GRN 14 #15
entrance roadways must be stabilized so as to inhibit sediments from being deposited into the	17	7 4.504.2.2	Paints and coatings	A1.1	GRN 14 #16
street/public ways. Accidental depositions must be swept up immediately and may not be washed down	18	3 4.504.2.3	Aerosol paints and coatings		
by rain or by any other means.	19	4.504.2.4	– Verification	A1.1	GRN 14 #21
8. Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be	20		Carpet systems	A1.1	GRN 14 #17
properly located to collect all tributary site runoff.	21			A1.1	GRN 14 #18
9. Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be	22		Resilient flooring systems	A1.1	GRN 14 #19
conveyed to the street and the storm drain system provided that an approved filtering system is installed	23		Composite wood products	A1.1	GRN 14 #20
and maintained on-site during the construction duration.	24			A5.0 / A5.1	
	25	5 4.505.3	Moisture content of building materials	A1.1	GRN 14 #24

Page 1 of 1

www.ladbs.org

GRN 14 #27

A3.1 / A3.2 GRN NOTES #G1

BEROZ & ASSOC., INC. 5530 Corbin Ave, Suite 35 Tarzana , Ca. 91356

CIVIL ENGINEER

ADVANCED ENGINEERING 22837 Ventura Bl., Suite 100 Woodland Hills , Ca. 91364 PH: 818 222 - 7982

TIMOTHY & SHERYL SCHEY 1030 N. Anoka Place

Pacific Palisades, Ca. 90272

STRUCTURAL ENGINEER

CONSULTANTS:

GEOTECHNICAL ENGINEER .

BYER GEOTECHNICAL INC. 1461 E. Chevy Chase Dr., Suite 200 Glendale, Ca. 91206 PH: 818 549 - 9959 **ENERGY CALCULATIONS:**

ALTERNATIVE ENERGY 915 E. Tujunga Avenue PH: 818 569 - 0243

Products Database b. Products compliant with the CHPS criteria certified under the Greenguard Children & Schools program

composite wood products used in the building shall meet the formaldehyde limits listed in Table 4.504.5.

field inspector for verification.

13. All new gas fireplaces must be direct-vent, sealed combustion type.

14. All duct and other related air distribution component openings shall be covered with tape, plastic, or sheet metal until the final startup of the

Revised 1-9-2015

GREEN BUILDING CODE PLAN CHECK NOTES RESIDENTIAL BUILDINGS

2014 Los Angeles Green Building Code

 For each new dwelling and townhouse, provide a minimum 1-inch diameter listed raceway that can accommodate a dedicated 208/240 volt branch circuit. The panel or subpanel shall have sufficient capacity to support at least Level 2 EVSE. A label stating "EV CAPABLE" shall be posted in a conspicuous place at the service panel or subpanel and next to the raceway termination point.

Bathroom exhaust fans

Heating and air-conditioning system design

2. EV spaces within the common parking area serving R-occupancies, shall have labels posted stating "EV CAPABLE" at both the EV charging space and at a conspicuous place at the service panel or subpanel. The electrical system shall have sufficient capacity to simultaneously charge all designated EV spaces at full rated amperage based on Level 2 EVSE. A separate electrical permit is required.

26 4.506.1

Revised 10-01-2014

BLA DBS
DEPARTMENT OF BUILDING AND SAFETY

www.ladbs.org

FORM

GRN 16

GRN 16 - FIXTURE FLOW RATE TABLES | GRN 14 - GENERAL NOTES

. Roofs with slopes < 2:12 shall have an SRI value of at least 75 or both a 3-year solar reflectance of at least 0.63 and a thermal emittance of at least 0.75. Roofs with slopes ≥ 2:12 shall have an SRI value of at least 16 or both a 3-year solar reflectance of at least 0.20 and a thermal emittance of at least 0.75.

 The required hardscape used to reduce heat island effects shall have a solar reflectance value of at least 0.30 as determined per ASTM E918 or

5. The flow rates for all plumbing fixtures shall comply with the maximum flow rates in Section 4.303.1

 When a shower is served by more than one showerhead, the combined flow rate of all the showerheads controlled by a single valve shall not exceed 2.0 gallons per minute at 80psi, or the shower shall be designed to only allow one showerhead to be in operation at a time. (4.303.1.3.2)

Installed automatic irrigation system controllers shall be weather- or soil-based controllers. 8. 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) Annular spaces around pipes, electric cables, conduits, or other openings in the building's envelope 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

10. Materials delivered to the construction site shall be protected from rain or other sources of moisture. Only a City of Los Angeles certified hauler will be used for hauling of construction waste.

12. For all new equipment, 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.

Wood burning fireplaces are prohibited per AQMD Rule 445. (4.503.1, AQMD Rule 445)

heating, cooling and ventilating equipment.

15. Architectural paints and coatings, adhesives, caulks and scalants shall comply with the Volatile Organic Compound (VOC) limits listed in Tables 4.504.1-4.504.3.

16. 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

17. All new carpet installed in the building interior shall meet the testing and product requirements of one of the following: a. Carpet and Rug Institute's Green Label Plus Program California Department of Public Health's Specification 01350

c. NSF/ANSI 140 at the Gold level

 d. Scientific Certifications Systems Indoor Advantage™ Gold 18. All new carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

19. 80% of the total area receiving resilient flooring shall comply with one or more of the following a. VOC emission limits defined in the CHPS High Performance

Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program d. Meet the California Department of Public Health's Specification

20. New hardwood plywood, particle board, and medium density fiberboard

21. 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

22. A 4-inch thick base of 1/2 inch or larger clean aggregate shall be provided for proposed slab on grade construction. 23. A vapor barrier shall be provided in direct contact with concrete for proposed slab on grade construction. 24. 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. 25. Newly installed bathroom exhaust fans shall be ENERGY STAR compliant and be ducted to terminate to the outside of the building. Provide the manufacturer's cut sheet for verification.

26 Newly installed bathroom exhaust fans, not functioning as a component of a whole house ventilation system, must be controlled by a humidistat which shall be readily accessible. 27. The heating and air-conditioning systems shall be sized and designed using ANSI/ACCA Mamual J-2004, ANSI/ACCA 29-D-2009 or

ASHRAE handbooks and have their equipment selected in accordance with ANSI/ACCA 36-S Manual S-2004. www.ladbs.org

Page 1 of 1

www.ladbs.org

NO. DATE ISSUANCE 1.21.14 AS-BUILT PLAN 11.24.14 STUDY 1 . 01.08.15 STUDY 2 I. 01.09.15 STUDY 3 5. 01.13.15 HOA REVIEW 6. 01.20.15 ENGINEER . 01.24.15 REVISIONS 8. 01.26.15 REVISIONS 9. 01.28.15 ENGINEER 10 01.28.15 HOA REVIEW

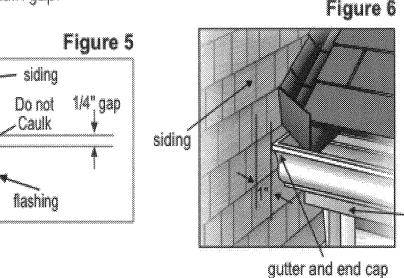
03.02.15 PLAN CHECK 12 04.30.15 VERIFICATION

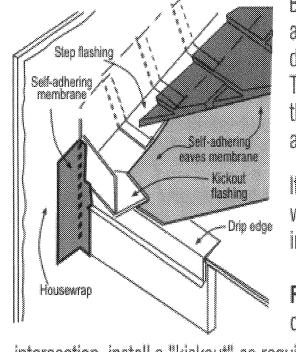
IRRIGATION CONTROLLER NO SCALE

between the bottom of James Hardie® products and horizontal flashing. Do not caulk gap.

Maintain a 1/4" clearance

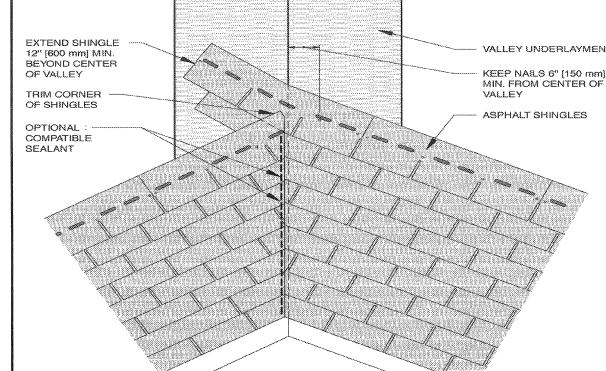
Maintain a minimum 1" gap between gutter end caps and siding & trim.





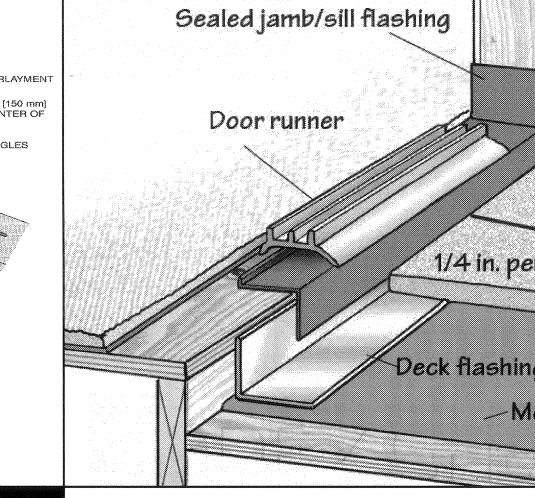
D40290

dumping behind the siding and the end of the roof intersection, install a "kickout" as required by IRC code R905.2.8.3: "...flashing shall be a min. of 4" high and 4" wide." James Hardie recommends the kickout be angled between 100° - 110° to maximize water deflection



evised 01-01-2014

FIELD UNDERLAYMENT NOT SHOWN FOR CLARITY.
 VALLEY UNDERLAYMENT TYPE AND NECESSITY MAY VARY DEPENDING ON CLIMATIC CONDITIONS
 THE CUT SIDE OF THE VALLEY SHOULD BE ON THE SIDE WITH THE GREATEST AREA.



1/4 in. per foot slope Deck flashing _ Membrane

CAP/BRICK MOLD - HEAD CASING/TRIM FOLDED OR SOLDERED HEAD FLASHING WITH DRIP EDGE FOLDED OR SOLDERED SILL FLASHING Concrete or tile 1. Caulking, sealant, adhesive, or gasket to form air barrier. SILL (SLOPED TOP) OVERHANGS APRON APPROXIMATELY 1 . These principles are also applicable to door weatherproofing. WINDOW WEATHERPROOFING PRINCIPLES

CHIMNEY FLASHING DETAIL - TYP. N.T.S.

DOOR PAN FLASHING DETAIL

N.T.S.

WINDOW / DOOR FLASHING DETAIL

Figure 7

What is EPA WaterSense?

The U.S. Environmental Protection

Agency developed a WaterSense

Recognize water saving products

by labeling products that meet

water conservation requirements.

Reduce strain on water resources.

program to make it easier for

consumers to:

Gain access to new

water efficiency.

water-saving innovations.

Understand the value of

KICKOUT FLASHING Because of the volume of water that can pour down ı sloped roof, one of the most critical flashing The roof must be flashed with step flashing. Where the roof terminates, install a kickout to deflect water away from the siding.

t is best to install a self-adhering membrane on the wall before the subfascia and trim boards are nailed in place, and then come back to install the kickout.

Figure 7, Kickout Flashing To prevent water from

ROOF VALLEY FLASHING DETAIL N.T.S.