2011 LOS ANGELES GREEN BUILDING CODE

Date: 10/24/11

FORM GRN 9

2011 LOS ANGELES GREEN BUILDING CODE

GRN 9 REFERENCE ITEM CODE COMMENTS SHEET REQUIREMENT # SECTION (e.g. note # or detail # (Sheet # or N/A) GRN-1 NOTE # 23 -D 24 9.504.4 Resilient flooring systems 25 9.504.5 Composite wood products GRN-1 NOTE #23 -E 26 | 9.505.2.1 | Capillary break ms1 #1 \$52#6 27 9.505.3 Moisture content of building materials GRN-1 NOTE # 23 - G 28 9.506.1 Bathroom exhaust fans A-3.0, A-3.1, A-3.2 DRAWINGS & NOTES

<u>ADDITIONS AND ALTERATIONS TO RESIDENTIAL BUILDINGS OF SIX</u> STORIES OR LESS

MANDATORY REQUIREMENTS CHECKLIST

(INCORPORATE THIS FORM INTO THE PLANS)

Project Address: 247 MC CADDEN PL. LOS ANGELES, CA. 90004

ITENI #	CODE SECTION	REQUIREMENT	REFERENCE SHEET (Sheet#or N/A)	COMMENTS (e.g. note # or detail #
		PLANNING AND DESIGN		
1	9.106.2	Storm water drainage and retention during construction	GRN-1	FÖRM GRN 1.
2	9.106.3	Surface drainage	A-0	SITE PLAN
		ENERGY EFFICIENCY		
3	9.210.1	Appliance rating	GRN-1	NOTE#5
4	9.211.4	Future access for electrical solar system(>2,000 ft²)	N/A	
5	9.211.4.1	Space for future electrical solar system (>2,000 ft²)	N/A:	
		WATER EFFICIENCY & CONSERVATION		
6	9.303.1	20 percent savings	GRN-1	FORM GRN 16
7	9.303.2	Multiple showerheads serving one shower	GRN-1	NOTE# 10
8	9.304.1	Irrigation controllers	GRN-1	NOTE# ()
9	9.304.1.1	Irrigation design (>500 ft² addition and > 2,500 ft² landscape area)	GRN-1	NOTE # 12
		MATERIAL CONSERVATION & RESOURCE 1	EFFICIENCY	
10	9.406.1	Joints and openings	GRN-2	NOTE#13
11	9.407.3	Flashing details	GRN-2	DETAILS 1 TO 6
12	9.407.4	Material protection	GNR-1	NOTE # 15
13	9.408.1	Construction waste reduction of at least 50 percent	GRN-1	NOTE#16
14	9.410.1	Operation and maintenance manual	GRN-1	NOTE#17
		ENVIRONMENTAL QUALITY		
15	9,503.1	Fireplaces and woodstoves	GRN-2	DETAIL 8
16	9.504.1	Covering of duct openings and protection of mechanical equipment during construction	GRN-1	NOTE#20
17	9.504.2	Finish material pollutant control	GRN-1	NOTE#21
18	9.504.2.1	 Adhesives, sealants, caulks 	GRN-1	FORM#11
19	9.504.2.2	 Paints and coatings 	GRN-1	FORM #11
20	9.504.2.3	 Aerosol paints and coatings 	GRN-1	FORM #11
21	9.504.2.4	- Verification	GRN-1	FORM #2
22	9.504.3	Carpet systems	GRN-1	NOTE#23-B
23	9.504.3.1	Carpet cushion	GRN-1	NOTE#23-C

Page 1 of 2

www.ladbs.o

Revised 05-11-2011

29 9.507.1 Whole house exhaust fans

30 9.507.2 Heating and air-conditioning system design

Page 2 of 2 www.ladbs.or

FORM

GRN-1 NOTE#23-K

STORM WATER POLLUTION CONTROL (2011 Los Angeles Green Building Code)

FORM GRN 1

Storm Water Pollution Control Requirements for Construction Activities Minimum Water Quality Protection Requirements for All Construction Projects

The following notes shall be incorporated in the approved set of construction/grading plans and represents the minimum standards of good housekeeping which must be implemented on all construction

Construction means constructing, cleaning, grading or excavation that result in soil disturbance Construcțion includes structure teardown (demolition). It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility, emergency construction activities required to immediately protect public health and safety, interior remodeling with no outside exposure of 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)

- I Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via sheet flow, swales, area drains, natural drainage or wind
- 2. Stockpiles of earth and other construction-related materials shall be covered and/or protected from being transported from the site by wind or water.
- 3. Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall not contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall not be washed into the drainage system.
- 4. Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained on the project site.
- 5. Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain contrete waste on-site until it can be appropriately disposed of or recycled.
- 6 Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of storm water and dispersal by wind
- 7. Sediments and other materials shall 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 street/public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.
- 8. Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be properly located to collect all tributary site runoff
- 9. Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be conveyed to the street and the storm drain system provided that an approved filtering system is installed and maintained on-site during the construction duration

Revised 05-10-2011

Page 1 of 1

www.ladbs.org

Revised 05-11-2011

PLUMBING FIXTURE FLOW RATES FORM Residential Occupancies **GRN 16** 2011 Los Angeles Green Building Code

(Incorporate this form into the plans) TABLEVOOS

TABLE 4.303.2 FIXTURE FLOW RATES			
FIXTURE TYPE	FLOW RATE	MAXIMUM FLOW RATE AT > 20 percent	
Showerheads	2.5 gpm @/80 psi	2 gpm @ 80 psi	
Lavatory faucets residential	2.2 gpm @ 60 psi	1.5 gpm @ 60 psi ²	
Kitchen faucets	2.2 gpm @ 60 psi	1.8 gpm @ 60 psi	
Gravity tank type water closets	1.6 gallons/flush	1.28 gallons/flush	
Flushometer tank water closets	1.6 gallons/flush	1.28 gallons/flush	
Flushometer valve water closets	1.6 gallons/flush	1.28 gallons/flush	
Urinals	1.0 gallons/flush	0.125 gallons/flush	

TABLE 9.303.2

FIXTURE FLOW RATES			
FIXTURE TYPE	FLOW RATE	MAXIMUM ALLOWABLE FLOW RATE	
Showerheads	2.5 gpm @ 80 psi	2 gpm @ 80 psi	
_avatory faucets residential	2.2 gpm @ 60 psi	1.5 gpm @ 60 psi	
Gravity tank type water closets	1.6 gallons/flush	1 28 gallons/flush1	
Flushometer tank water closets	16 gallons/flush	1 28 gallons/flush ¹	
Flushometer valve water closets	1.6 gallons/flush	1.28 gallons/flush ¹	
Unnals:	1.0 gallons/flush	0/125 gallons/flush	

Includes single and dual flush water closets with an effective flush of 1.28 gallons or less: Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME

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

²Lavatory Faucets shall not have a flow rate less than 0.8 gpm at 20 psi.

Revised 07-18-2011

Page 1 of 1

www.ladbs.org

Revised 05-30-2011

FORM VOC AND FORMALDEHYDE LIMITS 2011 Los Angeles Green Building Code **GRN 11** (Incorporate this form into the plans) TABLE 4.504.1

ADHESIVE VOC LIMIT 12

Less Water and Less Exempt Compounds in Grams per Liter The tables below are taken from the 2011 Los Angeles Green Building Code bles 4.504.1, 4.504.2, 4.504.3, 4.504.5, 5.504.4.1, 5.504.4 pet pad adhesive: 5 504 4 3 5 504 4 5 9 504 1 9 504 2 9 504 3 9 504 5 10 504 4 1, 10 504 4 2, 10 504 4 3, 10 504 4 5 od flooring adhes ber floor adhesis TABLE 4,594,3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{2,3} loor adheaves Grams of VGC per Liter of Coating, rywall and panel adhesives base adhesives 1/1/2010 ultipurpose construction adhesive flat-high gloss coatings ρecialty Coatings tructural wood member adhesive. Top and trim adhesive finishing coatings re resistive coalings or coatings m release compound aphic arts coatings (sign igh femperature coatings highest VOC content shall be allowed.
The additional information regarding methods to measure the VOC content specified in this table, see South Coast Ar Quality Management District Rule 1168. TABLE 4.504.2
SEALANT VOC LIMIT
ess Water and Less Exempt Compounds in Grams per Liter
SEALANTS CURRENT VOC LIMIT agnesite cement coatings adic texture coatings: tallic pigmented coatings. etreatment wash primers imers, sealers, and ictive penetrating sealer: Single-ply roof membrane. cycled coatings SEALANT PRIMER Nonporous Specialty primers, sealers ab and file refinish coatings ompounds. The specified limits remain in aftert unless revised limits are listed in subsequent. hin medium density fiberboard . 0.21 0.43 Values in this table are derived from those specified by the California A olumns in the table "Values in fills table are derived from those specified by the California Air Resources Board, Ar Tooks Control Measure for Composite Wood as tested in accordance with ASTM E 1333-96(2002). For additional information, see, Californi Resources floard. Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board. Dode of Regulators. Title 17, Sections 93120 through 93120 12.
Thin medium density fiberboard has a maximum thickness of 8 millimeters.

Page 1 of 1

www.ladbs.org

	This form is required at f	* ·	uct specification sheets and sheets if necessary.)	other supporting doc	um ents
Add	fress: 2178 McCadden Pl Los	ANGELES CA 90004	Permit #	11014 10000	2 02877
tem #	Product Category (e.g. pant, carpet, adheshre)	Product Manufacturer	Product Specification (e.g. model #)	VOC Content (in grams/liter) or Standard (e.g. Green Label Plus)	Allowable VOC Content (in grams/liters)
			:		
- C: 1					3
					į
	d 06-30-2011 Tabbs For	WALDEHYDE EMISSIC	ONS VERFICATION CI	(FCK) IST	vww.ladbs.org
	FOR IT OF SUILDING AND SAFETY ormaldehyde emissions verificat	ron of non-structural engine (Iberboard	es Green Building Code ered wood, hardwood plyw composite wood,)) ood, particleboard, an	FORM GRN 3 Id medium density
	FOR it or suitable she saver. ormaldehyde emissions verifical This form is required at fini	(2011 Los Angeli ion of non-structural engine fiberboard al Inspection, Attach prod (Use addition	es Green Building Code ered wood, hardwood plyw composite wood, uct specification sheets a af sheets if necessary.)	e) ood, particleboard, an and other supporting	FORM GRN 3 Id medium density
	FOR IT OF SUILDING AND SAFETY ormaldehyde emissions verificat	(2011 Los Angeli ion of non-structural engine fiberboard al inspection. Attach prod (Use additional IGELES, CA. 30004	es Green Building Code ered wood, haldwood plyw composite wood, uct specification sheets a	e) ood, particleboard, an and other supporting	FORM GRN 3 id medium density idocuments. 102877 Formaldehyde Limits
Pantini F	FOR If or suit pluc and severy ormal dehyde emission's verificat This form is required at fine ress 217 S. MCCADDEN PL. LOS AN	(2011 Los Angeli ion of non-structural engine fiberboard al inspection. Attach prod (Use additional IGELES, CA. 30004	es Green Building Code ered wood, hardwood plyw composite wood, uct specification sheets a al sheets if necessary.) Permit#	e) ood, particleboard, an und other supporting 11014 10000 Formaldehyde Content	FORM GRN 3 Id medium density Idocuments I02877 Formaldenyde Limits
Pantini F	FOR If or suit pluc and severy ormal dehyde emission's verificat This form is required at fine ress 217 S. MCCADDEN PL. LOS AN	(2011 Los Angeli ion of non-structural engine fiberboard al inspection. Attach prod (Use additional IGELES, CA. 30004	es Green Building Code ered wood, hardwood plyw composite wood, uct specification sheets a al sheets if necessary.) Permit#	e) ood, particleboard, an und other supporting 11014 10000 Formaldehyde Content	FORM GRN 3 Id medium density Idocuments I02877 Formaldenyde Limits
Pantini F	FOR If or suit pluc and severy ormal dehyde emission's verificat This form is required at fine ress 217 S. MCCADDEN PL. LOS AN	(2011 Los Angeli ion of non-structural engine fiberboard al inspection. Attach prod (Use additional IGELES, CA. 30004	es Green Building Code ered wood, hardwood plyw composite wood, uct specification sheets a al sheets if necessary.) Permit#	e) ood, particleboard, an und other supporting 11014 10000 Formaldehyde Content	FORM GRN 3 Id medium density Idocuments I02877 Formaldenyde Limits
Pantini F	FOR If or suit pluc and severy ormal dehyde emission's verificat This form is required at fine ress 217 S. MCCADDEN PL. LOS AN	(2011 Los Angeli ion of non-structural engine fiberboard al inspection. Attach prod (Use additional IGELES, CA. 30004	es Green Building Code ered wood, hardwood plyw composite wood, uct specification sheets a al sheets if necessary.) Permit#	e) ood, particleboard, an und other supporting 11014 10000 Formaldehyde Content	FORM GRN 3 Id medium density Idocuments I02877 Formaldenyde Limits
Pantini F	FOR If or suit pluc and severy ormal dehyde emission's verificat This form is required at fine ress 217 S. MCCADDEN PL. LOS AN	(2011 Los Angeli ion of non-structural engine fiberboard al inspection. Attach prod (Use additional IGELES, CA. 30004	es Green Building Code ered wood, hardwood plyw composite wood, uct specification sheets a al sheets if necessary.) Permit#	e) ood, particleboard, an und other supporting 11014 10000 Formaldehyde Content	FORM GRN 3 Id medium density Idocuments I02877 Formaldenyde Limits

GREEN BUILDING CODE N O T E S :

DESIGNATION IS APPLICABLE FOR THAT APPLIANCES"

MATERAIL CONSERVATION AND RESOURCE EFFICIENCY

HOW CONSTRUCTION WASTE WILL BE HANDLE:

b. SOURCE SEPARATED ON SITE

INSPECTOR FOR VERIFICATION."

WATER EFFICIENCY AND CONSERVATION

FLOW RATES IN TABLER 9.303.2"

SOIL BASED CONTROLLERS.

SOURCES OF MOISTURE.

INSPECTION."

EQUIPMENT."

ENVIROMENTAL QUALITY

CONTROLLERS.

PLANNINIG & DESIGN

ENERGY EFFICIENCY

4	-	THE SITE PLAN SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER FROM ENTERING BUILDINGS. CONSTRUCTION PLANS SHALL INDICATED HOW SITE GRADING OR DRAINAGE SYST WILL MANAGE ALL SURFACE WATER FLOWS. CONTOUR LINES, ELEVATIONS, POINTS, AND/OR
		SLOPE ARROWS MAY BE USED TO SHOW COMPLIANCE WITH THIS REQUIREMENT.

"THE FLOW RATES FOR ALL NEWLY INSTALLED PLUMBING FIXTURE SHALL COMPLY WITH THE MAXIMUN

WHEN SINGLE SHOWER FIXTURES ARE SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED

FLOW RATE OF ALL THE SHOWERHEAD SHALL NOT EXCEED THE MAXIMUM FLOW RATES SPECIFIED

SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWERHEAD TO BE IN OPERATION AT THE TIME."

"ITHE NSTALLED AUTOMATIC IRRIGATION SYSTEM CONTROLLERS ARE WEATHER-OR

CONSTRUCTION WASTE SHALL BE REDUCED BY 50%. DOCUMENTS ON PLANS

a. CITY OF LOS ANGELES CERTIFIED HAULER

IN THE MAXIMUM ALLOWABLE FLOW RATE COLUMN CONTAINED IN TABLE 9.303.2 OR THE SHOWER

BUILDING ADDITION OF 500 SQ.FT. OR MORE AND ON SITES WITH OVER 2,500 SQ.FT. OF CUMULATIVE IRRIGATED LANDSCAPED AREAS SHALL HAVE WEATHER-BASED OR SOIL MOISTURE-BASED IRRIGATION

SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS, OR OTHER OPENINGS IN THE BUILDING'S ENVELOPE AT THE EXTERIOR WALLS WILL BE PROTECTED AGINST THE PASSAGE OF RODENTS.

(i.e. CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MANSORY OR METAL PLATES.)

MATERIALS DELIVERED TO THE CONSTRUCTION SITE SHALL BE PROTECTED FROM RAIN OR OTHER

"AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT A MINIMUM, THE ITEMS LISTED IN

"ALL DUCT AND OTHER REALATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH

"ARCHITECTURAL PAINTS AND COATING, ADHESIVES, CAULK AND SEALANTS SHALL COMPLY WITH THE

a. "THE VOC CONTENT VERIFCATION CHECKLIST, FORM 2, SHALL BE COMPLETED

SPECIFICATIONS SHOWING VOC CONTENT FOR ALL APLICABLE PRODUCTS

SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO FIELD

b. ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE

TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:

AND VERIFIED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S

CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD

PRATICE FOR TESTING OF VOCs (SPECIFICATION 01350)

C. ALL NEW CARPET CUSHION INSTALLED IN THE BUILDING INTERUIR SHALL MEET

d. "50% OF THE TOTAL AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH

THE VOC LIMITS OR BE CERTIFIED UNDER THE RESILIENT FLOOR COVERING

e. "NEW HARDWOOD PLYWOOD, PARTICLE BOARD, AND MEDIUM DENSITY

f. "THE FORMALDEHYDE EMISSION VERIFICATION CHECKLIST, FORM 3, SHALL BE

WOOD PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND

a. "BUILDING MATERIAL WITH VISIBLE SIGN OF WATER DAMAGE SHALL NOT BE

COMPLIANT AND BE DUCTED TO TERMINATE TO THE OUTSIDE OF THE

"NEWLY INSTALLED BATHROOM EXHAUST FANS, NOT FUNCTIONING AS A

COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, MUST BE CONTROLLED

"NEW WHOLE HOUSE EXHAUST FANS SHALL HAVE COBERS OR LOUVERS WICH CLOSE WHEN THE FAN IS OFF AND THAT ARE INSULATED WICH A MINIMUM

h. "NEWLY INSTALLED BATHROOM EXHAUST FANS SHALL BE ENERGY STAR

BY HUMIDISTAT WHICH SHALL BE READILY ACCESSIBLE."

INSULATION VALUE OF R-4.2."

BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION."

THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM

FIBERBOAD COMPOSITE WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR

OF THE BUILDING SHALL MEET THE FORMADEHYDE LIMTIS LISTED IN TABLE 9.504.5

COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING FORMALDEHYDE CONTENT FOR ALL APPLICABLE

INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED UNTIL IT IS INSPECTED AND FOUND TO BE SATISFACTORY BY THE BUILDING INSPECTOR.

SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGES GOLD

VOLATILE ORGANIC COMPOUND (VOC) LIMITS LISTED IN TABLES 9.504.1 - 9.504.3

iii. NSF/ANSI 140 AT THE GOLD LEVEL

INSTITUTE (RFCI) FLOORSCORE PROGRAM."

PLASTIC TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING AND COOLING

SECTION 9.410.1, SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL

LOS ANGELES CA - 90004 "EACH NEW APPLIANCES PROVIDED AND INSTALLED MEETS ENERGY STAR IF AN ENERGY STAR

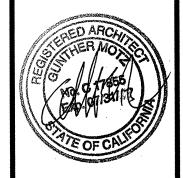
MOTZ ARCHITECT

MIZRAHI

217 MC CADDEN PL

RESIDENCE

8821 ASHCROFT AVE WEST HOLLYWOOD C900148 RNIA 310 - 859 - 8920 310 - 273 - 6359 FAX



O DING 1, 9, 7 2 & 3 DING GRN GRN GRN V BUILE GREEN FORM C FORM C GREEN

25 <u>्र</u> 。岜

S

k. "THE SIZE AND LAYOUT OF THE HEATING AND AIR-CONDITIONING SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ACCA MANUAL J, ACCA 29-D AND ACCA 36-S, ASHRAE HANDBOOKS.'