

EXTERIOR LIGHTING SCHEDULE								
Type Mark	General Location	Specification	Manufacturer	Elevation from Level	Efficacy	Lumens	Count	Total Lumens
FX1	COURTYARD	R2SD2T - 2" Square Downlight	WAC LIGHTING	10' - 0 3/4"	70 lm/W	405	2	811 lm
FX1	COURTYARD	R2SD2T - 2" Square Downlight	WAC LIGHTING	11' - 0"	70 lm/W	405	4	1621 lm
FX1	COURTYARD	R2SD2T - 2" Square Downlight	WAC LIGHTING	11' - 4 7/8"	70 lm/W	405	5	2027 lm
FX1	COURTYARD	R2SD2T - 2" Square Downlight	WAC LIGHTING	11' - 8"	70 lm/W	405	3	1216 lm
FX1: 14							14	5674 lm
FX2	DRIVEWAY	6061 -Balance Single LED Path Light	WAC LIGHTING	-5' - 0"	70 lm/W	275	2	550 lm
FX2	DRIVEWAY	6061 -Balance Single LED Path Light	WAC LIGHTING	0' - 0"	70 lm/W	275	3	825 lm
FX2	DRIVEWAY	6061 -Balance Single LED Path Light	WAC LIGHTING	5' - 0"	70 lm/W	275	1	275 lm
FX2	MAILBOX	6061 -Balance Single LED Path Light	WAC LIGHTING	-9' - 0"	70 lm/W		1	275 lm
FX2: 7							7	1925 lm
FX3	COURTYARD	WS-W36610	WAC LIGHTING	4' - 0"	72 lm/W	735	6	4410 lm
FX3	COURTYARD	WS-W36610	WAC LIGHTING	6' - 0"	72 lm/W	735	3	2205 lm
FX3	COURTYARD	WS-W36610	WAC LIGHTING	7' - 0"	72 lm/W	735	5	3675 lm
FX3: 14							14	10290 lm
FX4	POOL	MicroBrite LED	PENTAIR	-2' - 0"	50 lm/W	920	3	2760 lm
FX4	POOL	MicroBrite LED	PENTAIR	-0' - 9"	50 lm/W	920	1	920 lm
FX4: 4							4	3680 lm
Grand total: 39							39	21569 lm

EXTERIOR LIGHTING NOTES

EXTERIOR LIGHTING IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE LIGHTING SCHEDULE FOR ADDITIONAL INFORMATION.

EXTERIOR LIGHTING SHALL COMPLY WITH CITY OF WEST LAKE HILLS CODE SECTIONS, INCLUDING, BUT NOT LIMITED TO, THE CODE SECTION EXCEPTS PROVIDED BELOW BY THE CITY OF WEST LAKE HILLS LIGHTING REVIEWER:

SECTION 24.03.005 STANDARDS FOR R-1, R-2, AND R-3 RESIDENTIAL DISTRICTS
(C) PERIMETER LIGHTING: LUMINAIRES AT THE PERIMETER OF A PROPERTY ARE LIMITED TO TWO FIXTURES AT THE DRIVEWAY ENTRANCE(S), A MAILBOX FIXTURE, AND ONE ADDITIONAL LUMINAIRE FOR A FOOTPATH ENTRY. THESE FIXTURES SHOULD BE LIMITED TO 385 LUMENS EACH. NO OTHER PERIMETER LIGHTING IS PERMITTED.
(D) PRIVATE WALKWAY LIGHTING: PRIVATE WALKWAY LIGHTS ARE NOT TO EXCEED 385 LUMENS EACH.
(E) SETBACK LIGHTING: NO LUMINAIRES SHALL BE INSTALLED IN ANY SETBACKS EXCEPT FOR LIGHTING INSTALLED IN ACCORDANCE WITH SUBSECTION (C) OR (D).

SECTION 24.03.005 STANDARDS FOR R-1, R-2, AND R-3 RESIDENTIAL DISTRICTS
(M) LANDSCAPE/YARD LIGHTING: LUMINAIRES USED FOR ILLUMINATING LANDSCAPE FEATURES SHALL NOT BE USED AFTER 11:00 P.M. INDIVIDUAL FIXTURES SHALL NOT EXCEED 800 LUMENS.

SECTION 24.03.008 PROHIBITIONS
(B) UP-LIGHTING, WITH CERTAIN EXCEPTIONS, IT IS AN OFFENSE TO INSTALL OR OPERATE UP-LIGHTING. THE FOLLOWING EXCEPTIONS ARE ALLOWED PROVIDED THE LIGHTING FIXTURES ARE FULLY SHIELDED LUMINAIRES:

(1) GROUND-LEVEL OR LOW-LEVEL LANDSCAPE LIGHTING WHERE EACH FIXTURE DOES NOT EXCEED 385 LUMENS, PROVIDED THAT THE LUMINAIRE LUMENS OF ALL THE EXISTING AND PROPOSED FIXTURES IS LIMITED TO THE LUMENS PER SQUARE FOOT CAP DEFINED FOR THAT PARTICULAR DISTRICT.

LUMEN ALLOWANCE PER SECTION 24.03.005(a) STANDARDS FOR R-1, R-2, AND R-3 RESIDENTIAL DISTRICTS:

A. BASE ALLOWANCE: SITE >1 ACRE = 12,000 LUMENS

B. DOORS: 18 DOORS = 14,400 LUMENS

C. PERIMETER: 1 LUMEN PER LINEAR FOOT =

LEVEL 1: 434' 6" = 4,345 LUMENS

LEVEL 2: 543' 6" = 5,435 LUMENS

LEVEL 3: 111' 6" = 1,115 LUMENS

SUB-TOTAL: 10,895 LUMENS

TOTAL: 37,345 LUMENS ALLOWABLE

LIGHTING SHOWN IN THESE DRAWINGS APPROXIMATE THE EXACT LOCATION - COORDINATE EXACT LOCATION, QUANTITY, AND LIGHT FIXTURE TYPE WITH ARCHITECT AND BUILDER PRIOR TO CONSTRUCTION.

SUBSTITUTIONS OR ALTERATIONS TO EXTERIOR LIGHTING SELECTIONS SHOWN IN THE PLANS OR THE SCHEDULES SHALL COMPLY WITH THE CITY OF WEST LAKE HILLS CODE SECTIONS.

LANDSCAPE LIGHTING LEGEND

SYMBOL	DESCRIPTION
	FX1 - IN-CEILING DOWNLIGHT
	FX2 - LOW HEIGHT POST MOUNTED LIGHT
	FX2 - MAILBOX LIGHT
	FX3 - WALL SCONCE
	FX4 - POOL & SPA LIGHTING

FIRE PROTECTION NOTES

FIRE PROTECTION NOTES ARE PROVIDED HERE AS REFERENCE UNDER THE GUIDANCE OF TRAVIS COUNTY EMERGENCY SERVICES DISTRICT NO. 9, DISTRICT CHIEF MICHAEL LACEY, FIRE MARSHAL.

THE CITY OF WEST LAKE HILLS CODE § 8.04.003 OFFERS ADDITIONAL FIRE FLOW REDUCTIONS (UP TO 65%), THE REQUIRED ITEMS ARE AS FOLLOWS:

1. DEMONSTRATING AND MAINTAINING COMPLIANCE WITH THE FUEL MITIGATION MEASURES PROVIDED IN **DIVISION 9 TREES AND VEGETATION** OF THE CITY CODE.

SEC. 22.03.309 (b) (4):

REQUIRE THE REMOVAL OF ALL CONFIRMED DEAD BRUSH, VEGETATION, AND TREES FROM ALL PROPERTIES IN ORDER TO REDUCE THE RISK OF WILDFIRE. IN THE CASE OF DEAD TREES AND DEAD UNDERSTORY, THE CITY INSPECTOR MUST CONFIRM THAT THE VEGETATION IS INDEXED DEAD PRIOR TO ITS REMOVAL. IN ORDER FOR THE OWNER TO AVOID REPLACEMENT REQUIREMENTS AS DESCRIBED IN SECTION 22.03.30(4) BELOW.

SEC. 22.03.302 (b):

IT IS UNLAWFUL FOR ANY PROPERTY OWNER OR TENANT TO HARBOR DEAD TREES, DEAD VEGETATION, DEAD BRUSH PILES, AND OTHER FLAMMABLE DEAD ORGANIC MATERIAL ON THEIR PROPERTY. EXCEPTIONS WOULD BE ALLOWED FOR CONTAINED COMPOST PILES AND STACKED AND STORED FIREWOOD. IN ORDER TO REDUCE THE RISK OF FIRE ON ALL PROPERTIES, ALL DEAD TREES AND BRUSH PILES, AND OTHER FLAMMABLE DEAD ORGANIC MATERIAL SHALL BE CLEARED AND REMOVED IN ACCORDANCE WITH SECTION 22.03.303 BELOW. IN THE CASE OF DEAD TREES AND UNDERSTORY, THE CITY INSPECTOR MUST CONFIRM THAT THE VEGETATION IS DEAD PRIOR TO ITS REMOVAL. IN ORDER FOR THE OWNER TO AVOID REPLACEMENT REQUIREMENTS AS DESCRIBED IN SECTION 22.03.30(4) BELOW.

SEC. 22.03.303 (b) (4): FIRE SAFETY BUFFER ZONE (FSBZ)

(A) TREES LESS THAN TWELVE (12) INCHES IN DIAMETER (AS MEASURED AT A POINT FIFTY-FOUR (54) INCHES ABOVE THE GROUND) AND UNDERSTORY VEGETATION TO ESTABLISH A FIRE SAFETY BUFFER ZONE (FSBZ) AS PART OF FIRE-SHAPING ACCORDING TO PREVIOUS LANDSCAPE DESIGN AND THE TEXAS FOREST SERVICE AT TEXAS A&M, WHICH IS DEFINED AS AN AREA OF LAND EXTENDING UP TO THIRTY (30) FEET FROM THE PERIMETER OF HABITABLE STRUCTURES ESTABLISHED FOR FIRE PREVENTION PURPOSES.

(B) THIS FSBZ MAY BE EXPANDED, UPON APPROVAL OF THE CITY INSPECTOR, TO INCLUDE AN AREA UP TO ONE HUNDRED (100) FEET FROM THE PERIMETER OF HABITABLE STRUCTURES FOR THOSE LOTS HAVING DOWN SLOPES IN EXCESS OF 25% BELOW THE HABITABLE STRUCTURE ONLY FOR THE REMOVAL OF ASHE JUMPERS (COMMONLY REFERRED TO AS "CEDARS") LESS THAN TWELVE (12) INCHES IN DIAMETER AS MEASURED AT A POINT FIFTY-FOUR (54) INCHES ABOVE THE GROUND.

(C) TREES REMOVED TO ESTABLISH A FSBZ, AS DESCRIBED IN THIS SUBSECTION, DO NOT REQUIRE REPLACEMENT, EXCEPT:

(i) FULL REPLACEMENT INCHES ARE REQUIRED FOR TREES AND VEGETATION REMOVED TO ESTABLISH THE FSBZ IN THE PROPOSED FOOTPRINT OF ANY NEW CONSTRUCTION OR EXPANSION OF STRUCTURES WITHIN A FSBZ WITHIN FIVE (5) YEARS OF ISSUANCE OF THE PERMIT FOR THE FSBZ.

(ii) FULL REPLACEMENT INCHES ARE REQUIRED FOR TREES AND VEGETATION REMOVED TO EXPAND A FSBZ (RELATED TO NEW CONSTRUCTION) WITHIN FIVE (5) YEARS OF ISSUANCE OF THE PERMIT FOR A PRIOR FSBZ.

2. INSTALLING AN APPROVED NFPA 13D "ROBUST" SPRINKLER SYSTEM, WITHOUT EXEMPTIONS, THROUGHOUT THE ENTIRE STRUCTURE (INCLUDING IN ACCESSORY STRUCTURES AND COVERED OUTDOOR AREAS ATTACHED TO THE MAIN STRUCTURE). SPRINKLER INSTALLER SHALL OBTAIN CLARIFICATIONS REGARDING COVERAGE WITH ESD NO. 9 DISTRICT CHIEF, FIRE MARSHAL.

3. CONSTRUCTING THE EXTERIOR OF THE HOME UTILIZING "CLASS 1" IGNITION-RESISTANT CONSTRUCTION MATERIALS AND METHODS IN ACCORDANCE WITH SECTION 504 OF THE INTERNATIONAL WILD-LAND-URBAN INTERFACE CODE, 2012 EDITION, AS AMENDED, INCLUDING, BUT NOT LIMITED TO:

504.5 ROOF ASSEMBLY: ROOFS SHALL HAVE A ROOF ASSEMBLY THAT COMPLIES WITH A CLASS A RATING WHEN TESTED IN ACCORDANCE WITH ASTM E108 OR UL 790...

504.3 PROTECTION OF EAVES: EAVES AND SOFFITS SHALL BE PROTECTED ON THE EXPOSED UNDERSIDE BY IGNITION RESISTANT MATERIALS OR BY MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION, 2-INCH (51 MM) NOMINAL DIMENSION LUMBER, OR 1-INCH (25 MM) NOMINAL, FIRE-RETARDANT-TREATED LUMBER OR 3/4-INCH (19.1 MM) NOMINAL FIRE-RETARDANT-TREATED PLYWOOD, IDENTIFIED FOR EXTERIOR USE AND MEETING THE REQUIREMENTS OF SECTION 2303.2 OF THE INTERNATIONAL BUILDING CODE. FASCIAS ARE REQUIRED AND SHALL BE PROTECTED ON THE BACKSIDE BY IGNITION-RESISTANT MATERIALS OR BY MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION OR 2-INCH (51 MM) NOMINAL DIMENSION LUMBER.

504.5 EXTERIOR WALLS
EXTERIOR WALLS OF BUILDINGS OR STRUCTURES SHALL BE CONSTRUCTION WITH ONE OF THE FOLLOWING METHODS:

1. MATERIALS APPROVED FOR MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE.
2. APPROVED NONCOMBUSTIBLE MATERIALS.
3. HEAVY TIMBER OR LOG WALL CONSTRUCTION.
4. FIRE-RETARDANT-TREATED WOOD ON THE EXTERIOR SIDE. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE INTERNATIONAL BUILDING CODE.
5. IGNITION-RESISTANT MATERIALS COMPLYING WITH SECTION 503.2 ON THE EXTERIOR SIDE.
SUCH MATERIAL SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE UNDERSIDE OF THE ROOF SHEATHING.

504.7 APPENDAGES AND PROJECTIONS
UNENCLOSED ACCESSORY STRUCTURES ATTACHED TO BUILDINGS WITH HABITABLE SPACES AND PROJECTIONS, SUCH AS DECKS, SHALL NOT BE LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION, HEAVY TIMBER CONSTRUCTION, OR CONSTRUCTED OF ONE OF THE FOLLOWING:

1. APPROVED NONCOMBUSTIBLE MATERIALS.
2. FIRE-RETARDANT-TREATED WOOD IDENTIFIED FOR EXTERIOR USE AND MEETING THE REQUIREMENTS OF SECTION 2303.2 OF THE INTERNATIONAL BUILDING CODE.
3. IGNITION-RESISTANT MATERIALS COMPLYING WITH SECTION 503.2
EXCEPTION: COATED MATERIALS SHALL NOT BE USED AS THE SURFACE OF DECKS.

504.7.1 UNDERFLOOR AREAS
WHERE THE ATTACHED STRUCTURE IS LOCATED AND CONSTRUCTED SO THAT THE STRUCTURE OR ANY PORTION THEREOF PROJECTS OVER A DESCENDING SLOPE SURFACE GREATER THAN 10 PERCENT, THE AREA BELOW THE STRUCTURE SHALL HAVE UNDERFLOOR AREAS ENCLOSED TO WITHIN 6 INCHES (152 MM) OF THE GROUND, WITH EXTERIOR WALL CONSTRUCTION IN ACCORDANCE WITH SECTION 504.5

504.8 EXTERIOR GLAZING
EXTERIOR WINDOWS, WINDOW WALLS AND GLAZED DOORS, WINDOWS WITHIN EXTERIOR DOORS, AND SKYLIGHTS SHALL BE TEMPERED GLASS, MULTILAYERED GLAZED PANELS, GLASS BLOCK OR HAVE A FIRE PROTECTION RATING OF NOT LESS THAN 20 MINUTES.

504.9 EXTERIOR DOORS
EXTERIOR DOORS SHALL BE APPROVED NONCOMBUSTIBLE CONSTRUCTION, SOLID CORE WOOD NOT LESS THAN 1 1/4 INCHES THICK (44 MM), OR HAVE A FIRE PROTECTION RATING OF NOT LESS THAN 20 MINUTES. WINDOWS WITHIN DOORS AND GLAZED DOORS SHALL BE IN ACCORDANCE WITH SECTION 504.8
EXCEPTION: VEHICLE ACCESS DOORS.

THE PROPOSED PROJECT SHALL INCLUDE THE AFOREMENTIONED 3 ITEMS TO OBTAIN THE 65% FIRE FLOW REDUCTIONS, RESULTING IN THE AVAILABLE 886 GPM TO BE CONSIDERED ADEQUATE FIRE FLOW BASED ON CITY CODE.

THESE DRAWINGS ARE FOR
INTERIM COORDINATION
PURPOSES ONLY. NOT FOR
PERMITTING, REGULATORY
APPROVAL, OR CONSTRUCTION.

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Key Plan //

Project Issue //

CD SET

Date //

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SITE PLAN

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