

PROPERTY INFORMATION

DATE:	10-01-2018
OWNER:	JOHN MCGEE (201) 487-6196
SITE ADDRESS:	4750 194TH ST SW LYNNWOOD, WA 98036
TAX PARCEL NUMBER:	XXX-XXXXXXXXXXX
ZONING:	R6
PROPERTY USE:	SINGLE-FAMILY
LOT SIZE:	4,800 SF

BUILDING CODES

WITH STATE AMENDMENTS

20___ INTERNATIONAL BUILDING CODE 20___ INTERNATIONAL RESIDENTIAL CODE

*LOT COVERAGE NOTE

DECK, STAIRS AND LANDING MAY BE EXCLUDED FROM THE LOT COVERAGE. DETERMINING FACTORS INCLUDE DECK HEIGHT, SPACING BETWEEN DECK BOARDS AND IF THERE IS OPEN LOOSE SOIL BENEATH THE DECK. CONSULT THE CITY BUILDING OFFICIAL.

PROPOSED PROJECT

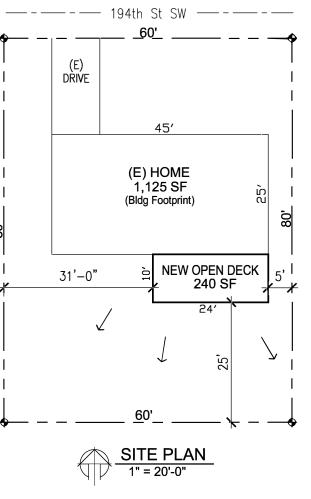
A NEW 240 SF (10'x24') OPEN DECK WITH STAIRWAY LANDING AND GUARDRAILS. (SEE GUARDRAIL NOTE BELOW)

LOT COVERAGE*

LOT AREA:	4,800 SF
RESIDENCE	1,125 SF
OPEN DECK:	240 SF
STAIRWAY & LANDING:	60 SF
TOTAL LOT COVERED:	1,425 SF
LOT COVERAGE (1,425/4,800):	30%

GUARDRAIL NOTE

GUARDRAILS ARE REQUIRED FOR DECK FLOORS AND LANDINGS THAT ARE MORE THAN 30" ABOVE GRADE AT ANY POINT WITHIN 36" OF THE EDGE OF THE WALKING SURFACE (IRC R312.1.1).



	<u>SHE</u>	
_	CS	COVER SHEET
	2	DECK SPAN TABLES
	3	DECK ELEVATION
	4	PLAN VIEW
	5	LEDGER ATTACHMENT
	6	GUARD POST, GUARDRAIL, KNEE BRACE FRAMING
	7	EXTERIOR STAIRS
	8	STAIR HANDRAIL & GUARD



Ш

CITY OF LYNNWOOD DATE: APRIL 2019

ω

Б

<u>_</u>

PAGE .

SPAN TABLE & FOOTING SCHEDULE FOR DECKS THIS TABLE REFLECTS THE CODE REQUIREMENTS OF THE 2015 IRC WITH WASHINGTON STATE AMENDMENTS WHICH UPDATED THE LIVE LOAD TO 60 PSF. (TABLE R301.5) SPANS AND FOOTINGS ASSUME THE MAXIMUM 24" CANTILEVER USING HEM-FIR/DOUGLAS FIR NO. 2 OR BETTER FRAMING LUMBER. TABLE USES 70 PSF LOADING (10 PSF DEAD LOAD + 60 PSF LIVE LOAD) AND 2,000 PSF SOIL BEARING PRESSURE.													
LOLOT Later Max. Girder Beam Size and Max Span Between Support Po													
SIZE	Spacing	Joist Span		4x6	Footing]	4x8	Footing]	4x10	Footing	4x12	Footing
	12" o.c.	7'-5"		5'-11"	14x14		7'-9"	16x16		9'-6"	18x18	11'-1"	18x18
2x6	16" o.c.	6'-9"		5'-11"	14x14		7'-9"	16x16		9'-6"	18x18	11'-1"	18x18
	24" o.c.	5'-9"		6'-3"	14x14		8'-9"	16x16		11'-0"	18x18	12'-10"	18x18
	12" o.c.	9'-7"		4'-11"	14x14		6'-6"	16x16		8'-3"	18x18	10'-0"	20x20
2x8	16" o.c.	8'-8"		4'-11"	14x14		6'-6"	16x16		8'-3"	18x18	10'-0"	18x18
	24" o.c.	7'-7"		5'-11"	14x14		7'-9"	16x16		9'-6"	18x18	11'-1"	18x18
	12" o.c.	13'-3"		3'-6"	14x14		4'-8"	16x16		5'-11"	18x18	7'-2"	18x18
2x10	16" o.c.	11'-6"		4'-1"	14x14		5'-5"	16x16		6'-11"	18x18	8'-5"	20x20
	24" o.c.	9'-5"		4'-11"	14x14		6'-6"	16x16		8'-3"	18x18	10'-0"	20x20
	12" o.c.	15'-5"		3'-1"	14x14		4'-1"	16x16		5'-2"	18x18	6'-3"	18x18
2x12	16" o.c.	13'-4"		3'-6"	14x14		4'-8"	16x16		5'-11"	18x18	7'-2"	18x18
	24" o.c.	10'-11"		4'-1"	14x14		5'-5"	16x16		6'-11"	18x18	8'-5"	18x18

MAXIMUM JOIST SPACING (TABLE R507							
MATERIAL TYPE AND NOMINAL SIZE	PERPENDICULAR TO JOIST	DIAGONAL ^a To joist					
1-1/4" THICK WOOD	16 INCHES	12 INCHES					
2" THICK WOOD	24 INCHES	16 INCHES					
PLASTIC COMPOSITE	IN ACCORDANCE WITH SECT. R507.3	IN ACCORDANCE WITH SECT. R507.3					

(a) MAXIMUM ANGLE 45 DEGREES FROM PERPENDICULAR FOR WOOD DECK BOARDS.

DECK POST HEIGHT ^a For single-level wood-framed decks (Table R507.8)					
DECK POST SIZE	MAX. HEIGHT ^a				
4 X 4	8'				
4 X 6	8'				

(a) MEASURED TO THE UNDERSIDE OF THE BEAM.

14'

6 X 6

DECK POST TO DECK FOOTING

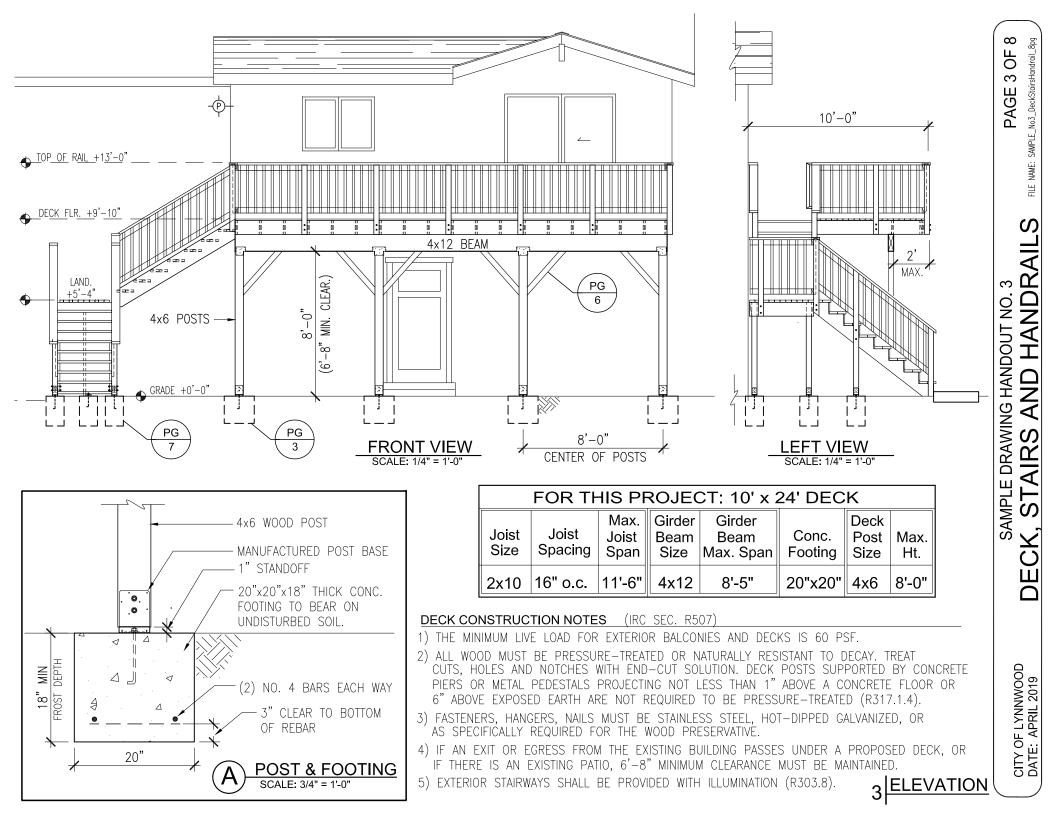
POSTS SHALL BEAR ON FOOTINGS IN ACCORDANCE WITH SECTION R403 AND FIGURE R507.8.1 OF THE IRC. POSTS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE BOTTOM SUPPORT. SUCH LATERAL RESTRAINT SHALL BE PROVIDED BY MANUFACTURED CONNECTORS INSTALLED IN ACCORDANCE WITH SECTION R507 AND MANUFACTURERS' INSTRUCTIONS OR A MINIMUM POST EMBEDMENT OF 12 INCHES IN SURROUNDING SOILS OR CONCRETE PIERS (R507.8.1).

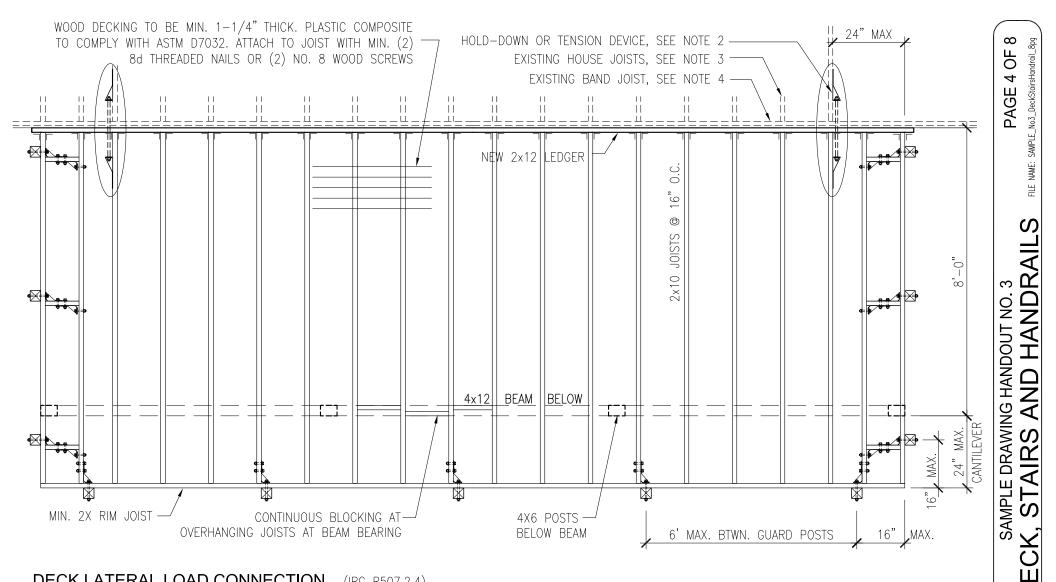
CITY OF LYNNWOOD DATE: APRIL 2019

ω

PAGE 2 OF

FILE NAME: SAMPLE_No3_DeckStairsHandrail_8pg





DECK LATERAL LOAD CONNECTION (IRC R507.2.4)

1) IF AN EXTERIOR WALL IS USED TO SUPPORT A DECK, THE DECK FRAMING MUST BE POSITIVELY ATTACHED TO THE BUILDING AND DESIGNED FOR BOTH VERTICAL AND LATERAL LOADS. DECKS NOT MORE THAN 30" ABOVE GRADE MAY BE UNATTACHED AND DO NOT REQUIRE THE LATERAL LOAD CONNECTION. WHERE POSITIVE CONNECTION TO THE BUILDING CANNOT BE VERIFIED DURING INSPECTION, DECKS SHALL BE SELF-SUPPORTING.

2) TWO OPTIONS FOR LATERAL CONNECTION ARE DESCRIBED AS FOLLOWS (DETAILS FOR BOTH METHODS ARE SHOWN ON "LEDGER ATTACHMENT" SHEET): METHOD 1: FOR NEW HOME CONSTRUCTION, A MINIMUM OF (2) HOLD-DOWN DEVICES SHALL BE INSTALLED WITHIN 24" OF EACH END OF THE DECK. WITH A DESIGN CAPACITY OF 1,500 LBS. ATTACHMENT TO I-JOIST SHOULD FOLLOW MANUFACTURER'S INSTRUCTIONS; BLOCKING OR WEB STIFFINERS MAY BE REQUIRED. METHOD 2: FOR NEW OR REPLACEMENT DECKS ON EXISTING HOMES, A MINIMUM OF (4) SURFACE-MOUNTED HOLD-DOWN DEVICES SHALL BE DISTRIBUTED ALONG THE LEDGER. WITH ONE LOCATED WITHIN 24" OF EACH END OF THE DECK. THE HOLD-DOWN MUST HAVE MINIMUM 750 LB CAPACITY.

3) IF HOUSE JOISTS RUN PERPENDICULAR TO DECK JOISTS, DESIGNER MUST SHOW BLOCKING BETWEEN EXISTING JOIST BAYS, NAIL ATTACHMENT OF BLOCKING TO EXISTING DECK AND THE EXTENT OF BLOCKING REQUIRED. DETAIL MUST ALSO SHOW HOLD-DOWN DEVICE, THREADED ROD OR SIMILAR TENSION DEVICE.

4) BAND JOIST SHALL BE A MINIMUM 2X, SOLID-SAWN, SPRUCE-PINE-FIR LUMBER OR A MINIMUM 1X9-1/4" DOUGLAS FIR, LAMINATED VENEER LUMBER. BAND JOIST SHALL BE FULLY SUPPORTED BY A WALL OR SILL PLATE BELOW.



CITY OF LYNNWOOD DATE: APRIL 2019

