



Fort Collins Building & Zoning Dept.

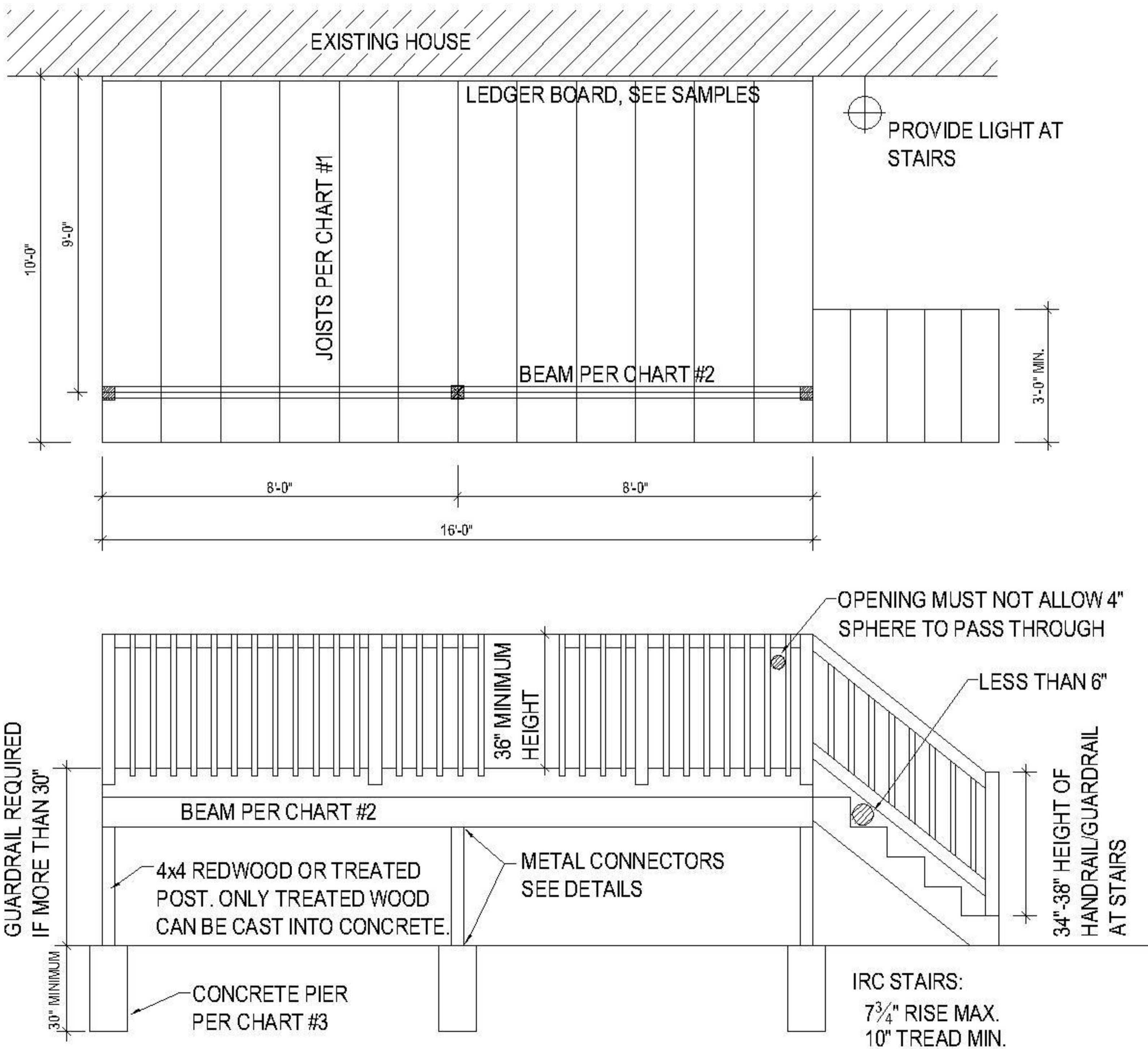
281 N. College Ave., Fort Collins, CO 80522

Voice: 970-221-6760, Fax: 970-224-6134

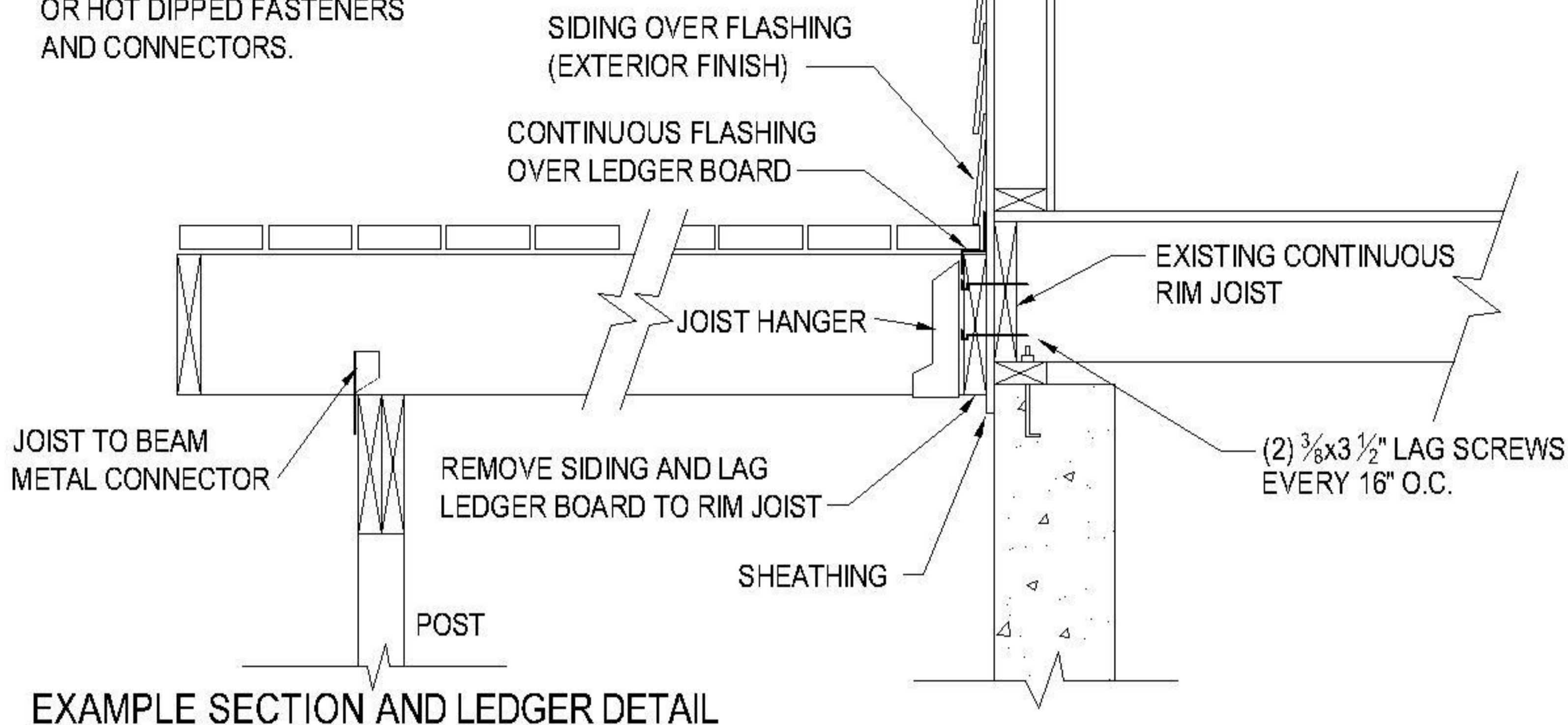
REVISED 4/13/05

RESIDENTIAL DECK CONSTRUCTION HANDOUT-2003 IRC

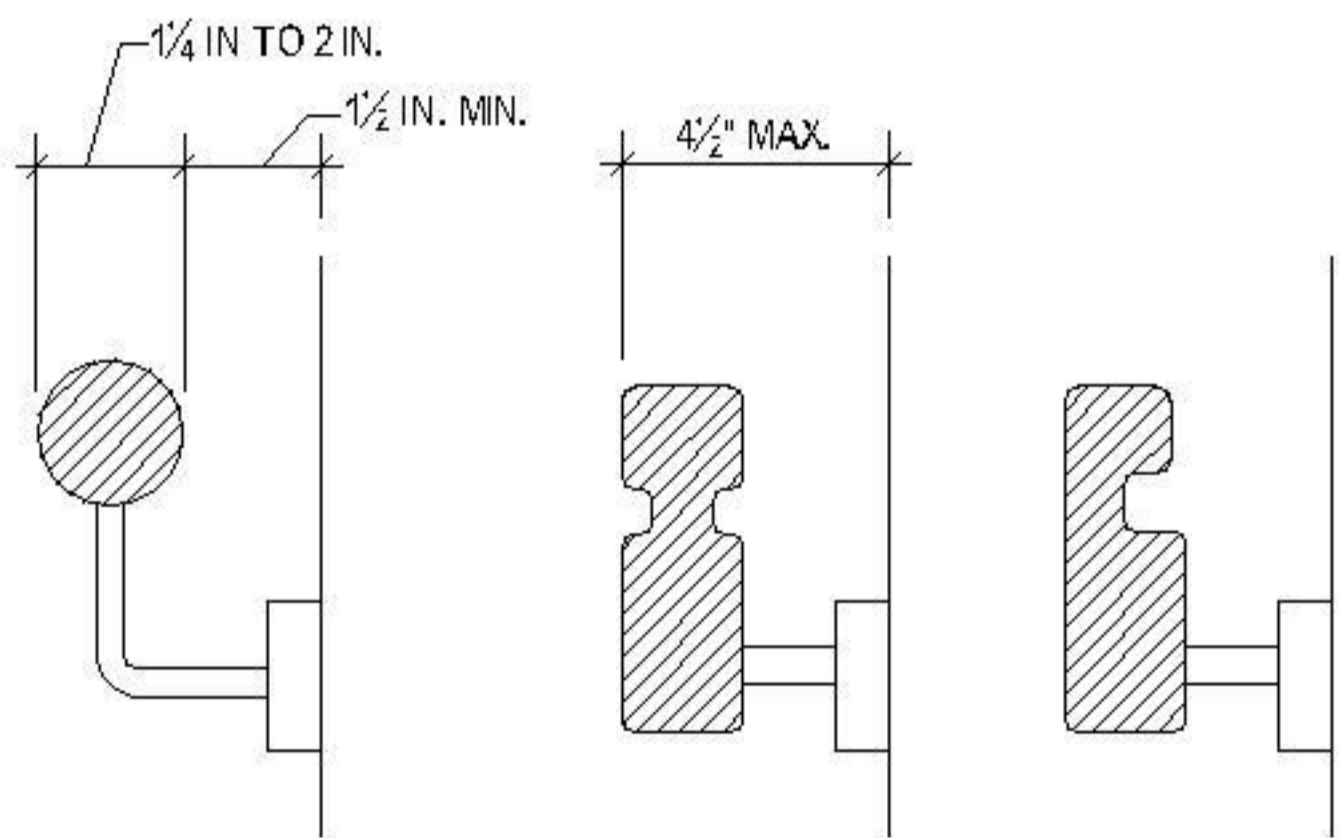
PERMITS ARE REQUIRED FOR DECKS WHENEVER THEY ARE MORE THEN 30" ABOVE THE GROUND AT ANY POINT. UNLESS THE DECK IS SELF-SUPPORTING OR BEARING DIRECTLY ON A WALL OR FOUNDATION, THE FOLLOWING METHOD OF ATTACHMENT IS AN APPROVED ALTERNATIVE.



ACQ TYPE TREATED LUMBER
REQUIRES ZMAX, STAINLESS,
OR HOT DIPPED FASTENERS
AND CONNECTORS.



EXAMPLE SECTION AND LEDGER DETAIL



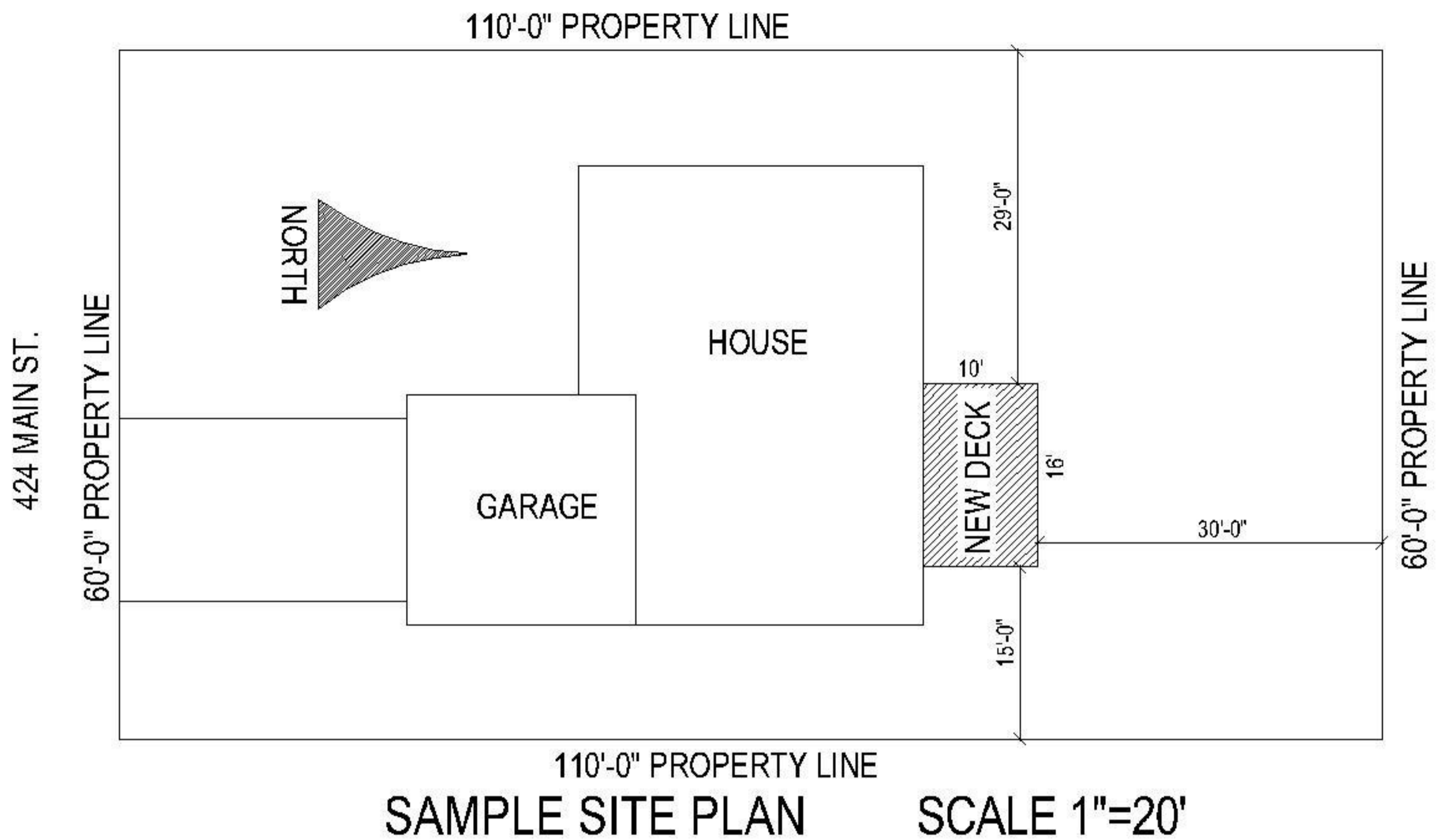
HANDRAIL DETAIL

30" DEEP CONC PIER-CHART #3					
BEAM SPAN					
		6'	8'	10'	12'
JOIST SPAN IN FEET	8'	10" DIAMETER PIER			
	9'	10"	10"	10"	12"
	10'	10"	10"	12"	12"
	11'	10"	10"	12"	16"
	12'	10"	10"	12"	16"
	13'	10"	12"	16"	16"
	14'	10"	12"	16"	18"
	15'	10"	12"	16"	18"
	16'	10"	16"	16"	20"

DECK SPAN CHARTS (Based on hem fir #2, 50psf load)

JOIST SIZE-CHART #1					
		2x6	2x8	2x10	2x12
JOIST SPAN IN FEET	6'	24" ON CENTER SPACING			
	7'	24"	24"		
	8'	16"	24"		
	9'	16"	24"		
	10'	12"	24"		
	11'		16"	24"	
	12'		16"	24"	
	13'		12"	24"	
	14'			16"	24"
	15'			16"	24"
	16'			12"	24"

BEAM SPAN IN FEET-CHART #2					
		6'	8'	10'	12'
JOIST SPAN IN FEET	8'	2-2x6	2-2x8	2-2x10	2-2x12
	9'	2-2x6	2-2x8	2-2x10	2-2x12
	10'	2-2x6	2-2x8	2-2x10	2-2x12
	11'	2-2x6	2-2x8	2-2x10	2-2x12
	12'	2-2x8	2-2x10	2-2x12	2-2x12
	13'	2-2x8	2-2x10	2-2x12	3-2x12
	14'	2-2x8	2-2x10	2-2x12	3-2x12
	15'	2-2x8	2-2x10	2-2x12	3-2x12
	16'	2-2x8	2-2x10	2-2x12	3-2x12
	17'	2-2x8	2-2x10	2-2x12	3-2x12
	18'	2-2x8	2-2x10	2-2x12	3-2x12



Submittal Requirements for decks

1. **Two sets of plans of the proposed deck. See the front page as an example of the plans you will need to submit.** The plans *do not* have to be professionally drawn, nor computer generated, but must be neat, clean and legible.
2. **Two sets of site plans, drawn to scale, on paper no bigger than 8 ½" x 14", see example above.**
3. **Completed two-part application form, available with other Building and Zoning handouts at 281 N. College Ave or on the website www.fcgov.com The legal information requested on the application must be completed in full.**
4. **Completed Homeowner's Affidavit, if applicable (for homeowners doing the construction). The form is available at Building and Zoning, 281 N. College Ave.**

Required inspections:

1. Pier hole inspection
2. Rough frame inspection
3. Final inspection