

<b>TABLE "A"</b> DECK JOIST SPANS (SOUTHERN PINE #2 OR BETTER)			<b>TABLE "B"</b> HEADER SIZING & SPANS (SOUTHERN PINE #2 OR BETTER)		<b>TABLE "C"</b> LEDGER BOLT SPACING (3/8 DIA. X 8" LAG BOLTS - SEE NOTE 1)		
SIZE	SPACING	SPAN	JOIST SPAN	HEADER		DECK JOIST SPAN	SPACING
				SIZE	SPAN		
2 x 8	12" O.C.	8' - 8"	UP TO 8'-0"	(2) 2 X 8	8'-8"	8'-0" OR LESS	8" O.C.
	18" O.C.	8' - 8"		(2) 2 X 10	7'-10"	8'-1" TO 10'-0"	8" O.C.
	24" O.C.	8' - 11"		(2) 2 X 12	8'-8"	10'-1" TO 12'-0"	5-1/2" O.C.
2 x 8	12" O.C.	12' - 8"	8'-1" - 10'-0"	(3) 2 X 12	12'-0"	12'-1" TO 14'-0"	4-1/2" O.C.
	18" O.C.	10' - 10"		(2) 2 X 8	8'-2"	14'-1" TO 15'-0"	4" O.C.
	24" O.C.	8' - 10"		(2) 2 X 10	7'-1"	NOTES: 1. LEDGER BOLTS SHALL BE 3/2" DIA. X 8" LONG WITH 1/4" DIA. DRILL HOLES. BOLTS ARE TO BE PLACED STAGGERED. 2. ALL METAL HARDWARE & NAILS TO BE GALVANIZED OR OF OTHERWISE APPROVED CORROSION RESISTANCE. 3. MANUFACTURED REMAINAGE REQUIRED TO BE EXTENDED BOARD. 4. USE OF THIS STANDARD IS LIMITED TO R2 OCCUPANCIES (SINGLE FAMILY DWELLING OR DUPLEX). * RETRODESIGNATED BLUE LAMINATED BEAM	
2 x 10	12" O.C.	14' - 8"	(2) 2 X 12	8'-4"			
	18" O.C.	12' - 10"	(3) 2 X 12	11'-4"			
	24" O.C.	10' - 5"	(2) 2 X 12	7'-8"			
2 x 12	12" O.C.	15' - 0"	10'-1" - 12'-0"	(3) 2 X 12	10'-8"		
	18" O.C.	15' - 0"		8-1/2" X 8-1/2"	12'-8"		
	24" O.C.	12' - 4"		8-1/2" X 11-7/8"	15'-0"		
4 x 8	18" O.C.	10' - 0"	12'-1" - 15'-0"	(3) 2 X 12	8'-8"		
	24" O.C.	8' - 8"		8-1/2" X 8-1/2"	11'-8"		
4 x 8	24" O.C.	11' - 0"		8-1/2" X 11-7/8"	15'-0"		
	32" O.C.	8' - 8"		8-1/2" X 11-7/8"	15'-0"		

**DISCLAIMER:**

ALTERNATE DECK DESIGNS MAY BE POSSIBLE WHEN PROVIDED WITH AN ENGINEERED ANALYSIS. USE OF THIS CONVENTIONAL STANDARD DESIGN IS AT THE USER'S RISK AND CARRIES NO IMPLIED OR INFERRED GUARANTEE AGAINST FAILURE OR DEFECTS. STRUCTURES AND APPURTENANCES SHALL BE MAINTAINED BY THE PROPERTY OWNER.



CITY OF FORT SMITH  
BUILDING SAFETY DEPARTMENT

**BALCONY/DECK STANDARD**

623 GARRISON AVE. ROOM 405  
FORT SMITH, AR 72902

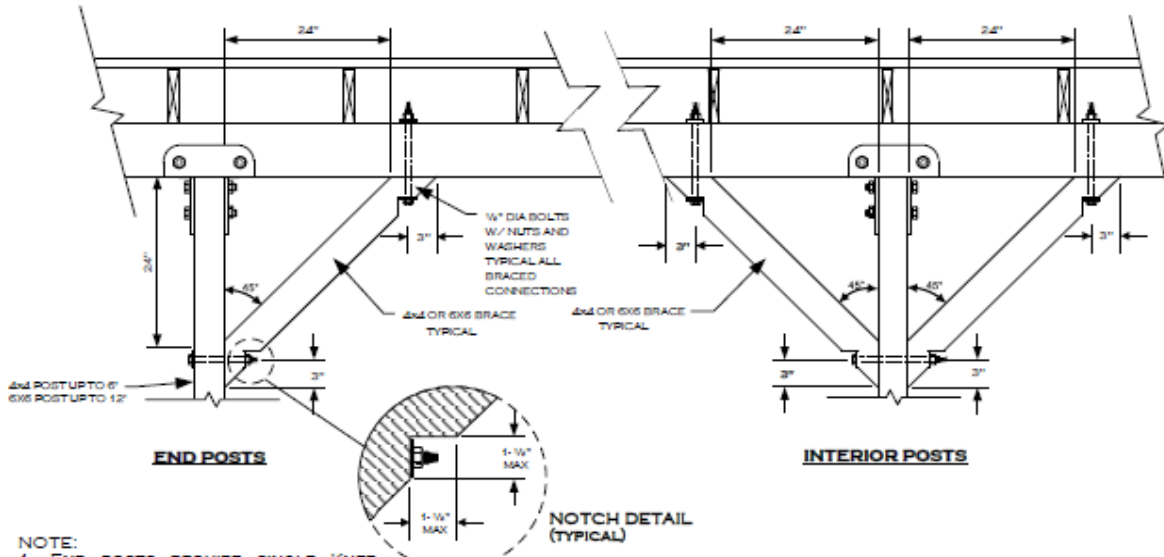
479-784-2208

FAX 479-784-1030

2/20/2019

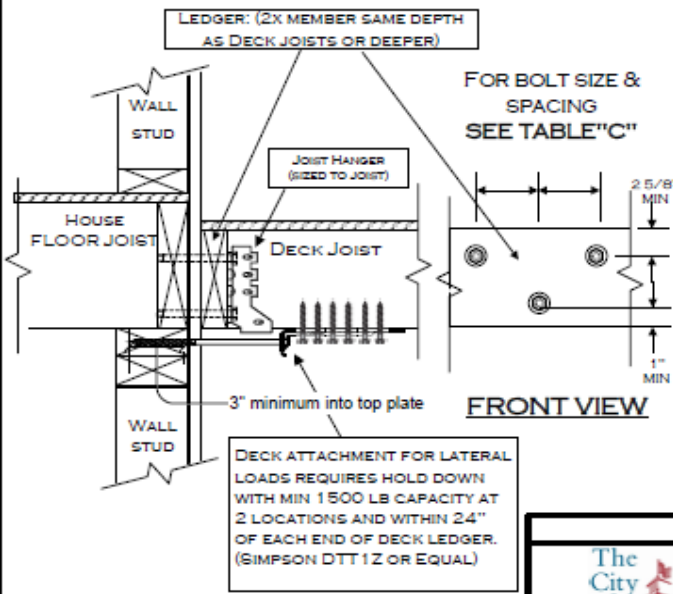
Page 1 of 4

**KNEE BRACE DETAIL (A)**



NOTE:  
1. END POSTS REQUIRE SINGLE KNEE BRACE. ALL INTERIOR POSTS TO HAVE DOUBLE BRACES.

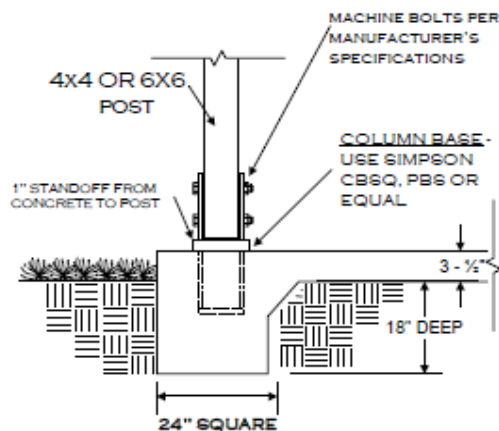
**LEDGER DETAIL (B)**



**SECTION VIEW**

NOTE:  
THIS DECK CONNECTION DETAIL IS BASED ON THE ASSUMPTION THAT A MINIMUM 1-1/2" THICK WOOD MEMBER IS ADEQUATELY INSTALLED AT ALL EDGES OF THE 2ND FLOOR DIAPHRAGM. IF ANY OTHER MATERIAL IS USED, SUCH AS TJI JOISTS, A SPECIAL ENGINEERED DESIGN WILL BE REQUIRED. IT IS THE PERMIT OWNER'S RESPONSIBILITY TO VERIFY THE PRESENCE OF THE APPROPRIATE RM JOIST.

**FOOTING DETAIL (C)**



CITY OF FORT SMITH  
BUILDING SAFETY DEPARTMENT

**BALCONY/DECK STANDARD**

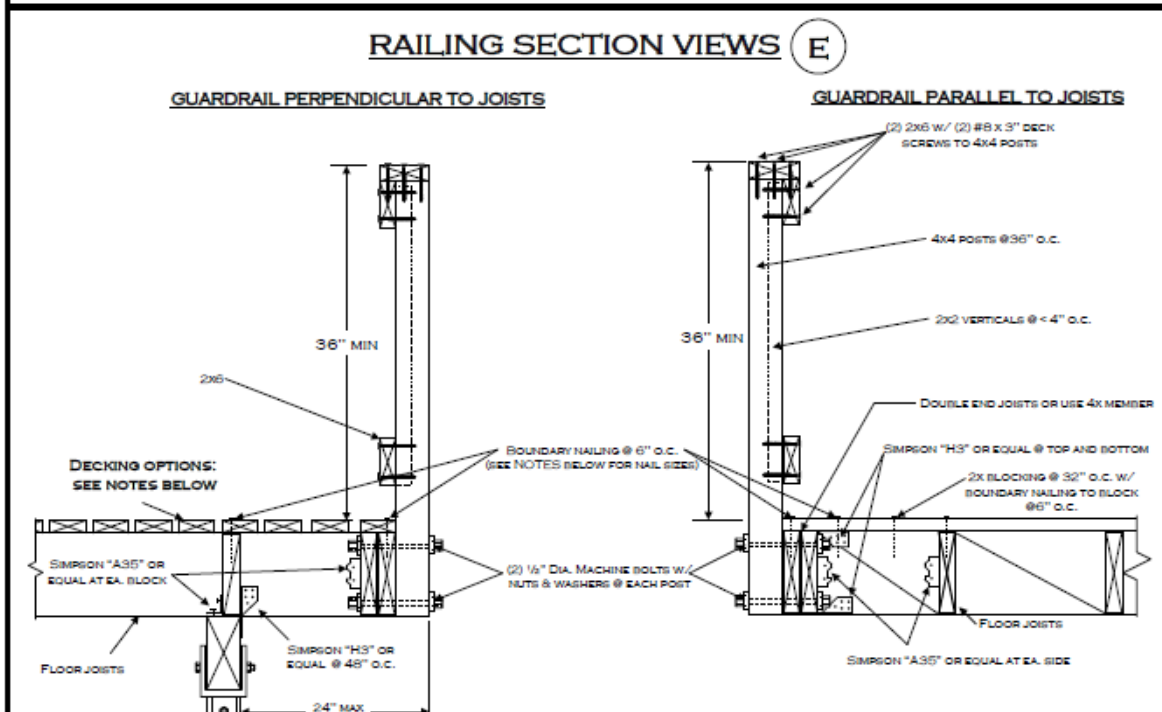
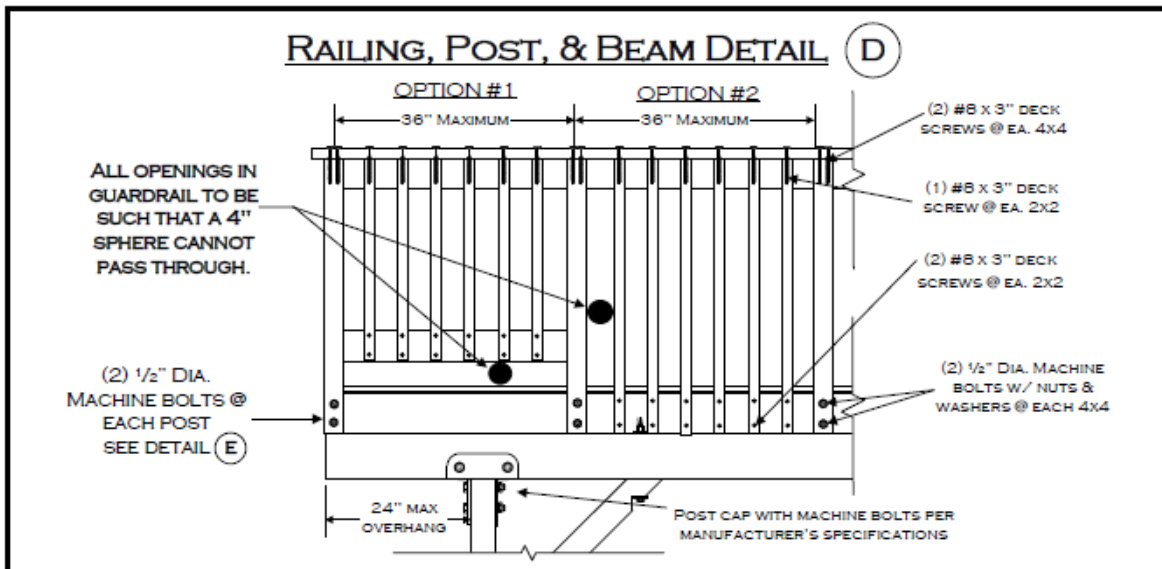
479-784-2206

623 GARRISON AVE. ROOM 405  
FORT SMITH, AR 72902

FAX 479-784-1030


8/20/2019

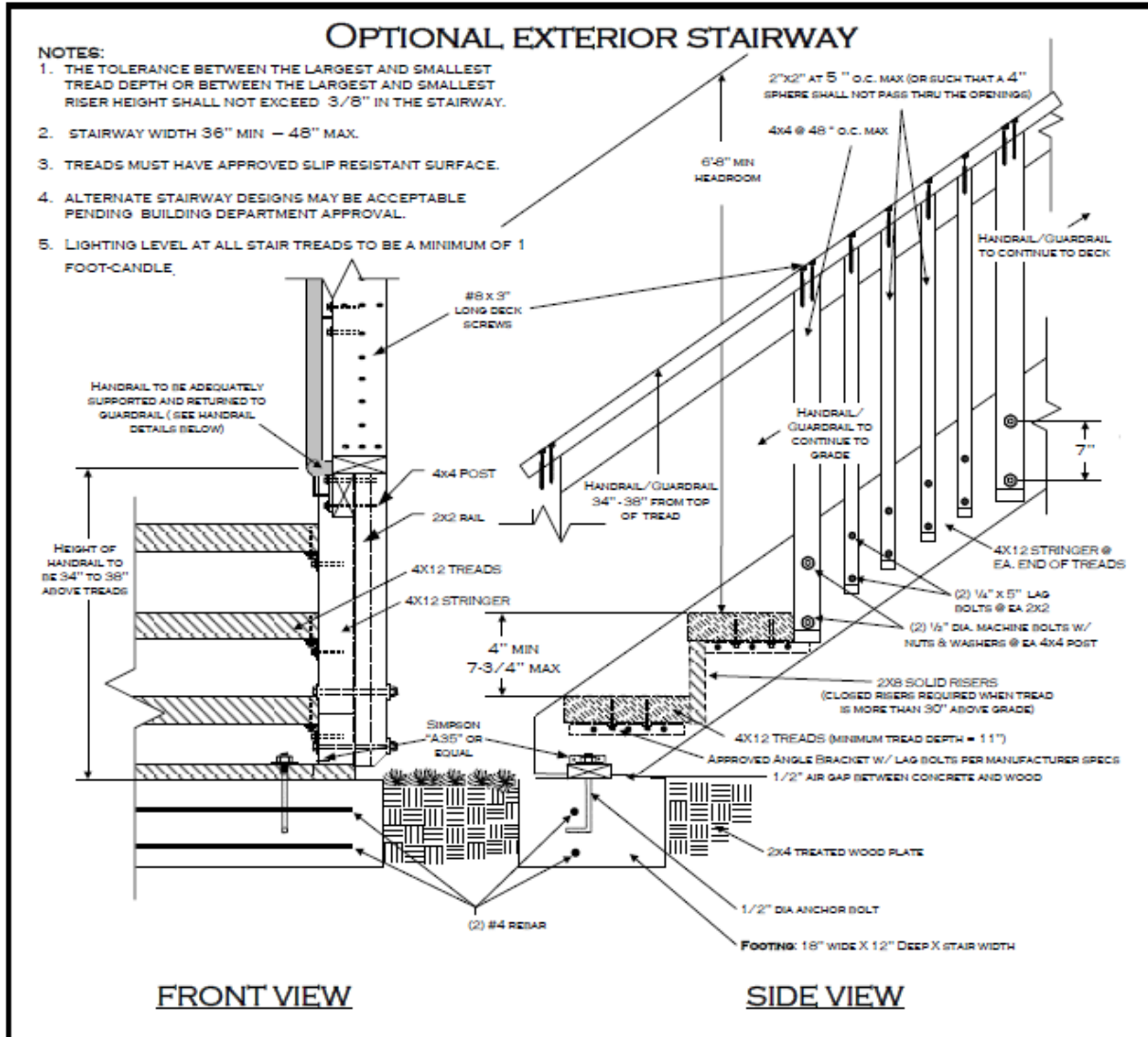
PAGE 2 OF 4



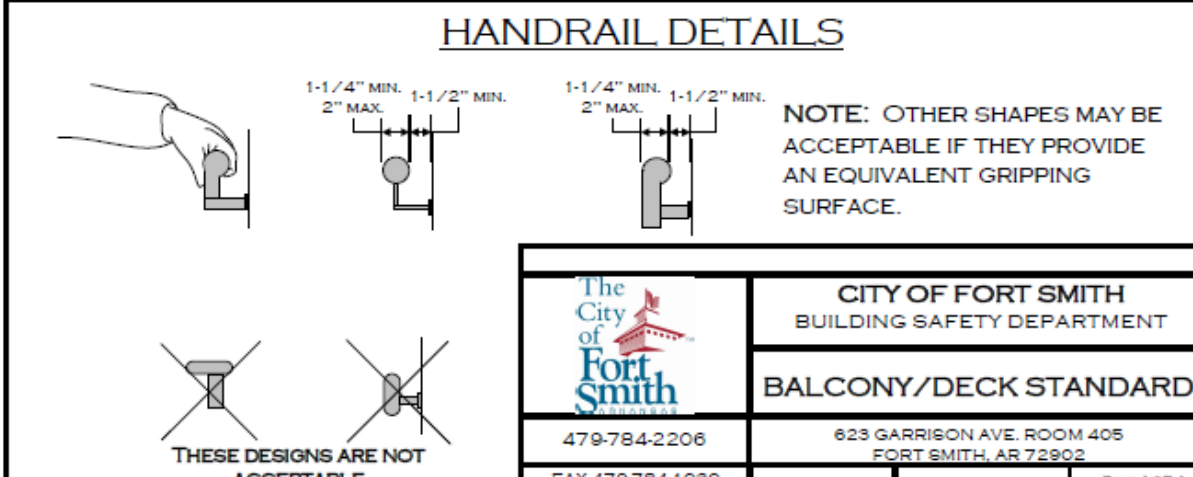
**NOTE: DECKING OPTIONS ARE AS FOLLOWS:**

1. 5/8" TONGUE AND GROOVE JOINTED PLYWOOD SECURED WITH 8d NAILS. ALL EDGE NAILING AT 6" O.C. MUST BE COVERED WITH AN APPROVED WEATHER RESISTIVE MATERIAL WALKING SURFACE, AND SLOPED FOR DRAINAGE.
2. 2x6" DECKING SECURED W/ (2) 16d NAILS @ EA. JOIST.

	<b>CITY OF FORT SMITH</b> BUILDING SAFETY DEPARTMENT	
	<b>BALCONY/DECK STANDARD</b>	
479-784-2206	623 GARRISON AVE. ROOM 405 FORT SMITH, AR 72902	
FAX 479-784-1030	8/20/2019	PAGE 3 OF 4




### HANDRAIL DETAILS



1-1/4" MIN. 1-1/2" MIN. 1-1/4" MIN. 1-1/2" MIN.  
 2" MAX. 2" MAX. 2" MAX. 2" MAX.

**NOTE:** OTHER SHAPES MAY BE ACCEPTABLE IF THEY PROVIDE AN EQUIVALENT GRIPPING SURFACE.

THESE DESIGNS ARE NOT ACCEPTABLE

	<b>CITY OF FORT SMITH</b> BUILDING SAFETY DEPARTMENT	
	<b>BALCONY/DECK STANDARD</b>	
479-784-2206	623 GARRISON AVE. ROOM 405 FORT SMITH, AR 72902	
FAX 479-784-1030	8/20/2019	Page 4 OF 4