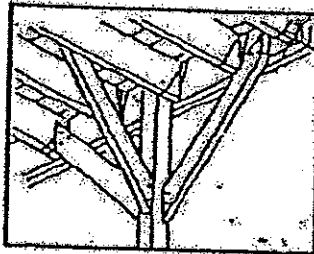
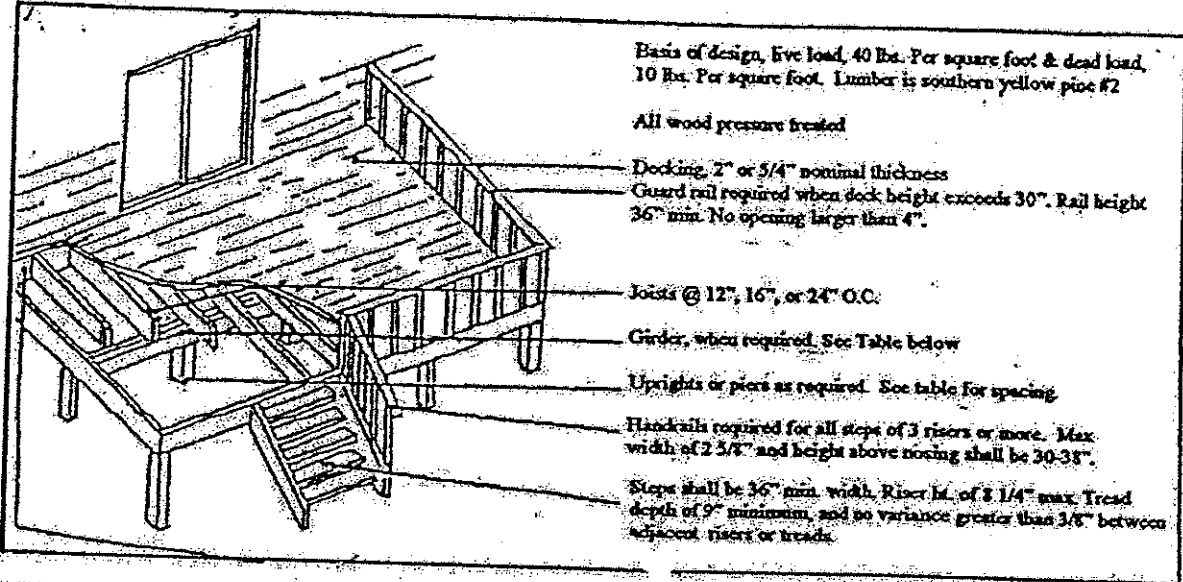




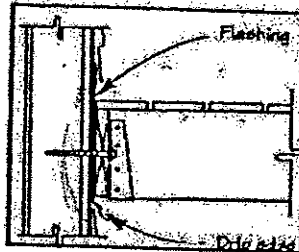
Municipal Corp. of Cape Charles

BUILDING A DECK TO THE CODE

Municipal Building • 2 Plum Street • Cape Charles, Virginia 23310
(757) 331-3259 Fax (757) 331-4820



**DIAGONAL BRACING
REQUIRED IF DECK IS NOT
ATTACHED TO THE HOUSE**



**FLASHING THE DECK
TO THE HOUSE**

LEDGER BOARD FASTENER SPACING

Joist Span	Fastener spacing, on center		
	Lag Screws*	Ledgerlok*	Thru-bolts, Expansion Anchors, Epoxy Anchors*
0 - 6'-0"	30"	16"	36"
6'-1" - 8'-0"	23"	12"	36"
8'-1" - 10'-0"	18"	10"	34"
10'-1" - 12'-0"	15"	8"	29"
12'-1" - 14'-0"	13"	7"	24"
14'-1" - 16'-0"	11"	6"	21"
16'-1" - 18'-0"	10"	5"	19"

MINIMUM BEAM SIZE WHEN JOISTS HAVE NO OVERHANGS

Joist Span	Beam Size
0 - 6'-8"	(2) 2x6*
6'-9" - 11'-2"	(2) 2x8*
11'-3" - 16'-0"	(2) 2x10*
16'-1" - 18'-0"	(2) 2x12

* You may substitute a larger beam size for the one shown in the table. For instance, if the table requires (2) 2x8, you may substitute a (2) 2x10 or (2) 2x12.

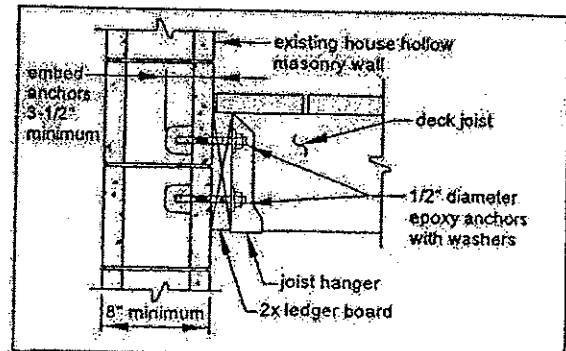
MINIMUM BEAM SIZE WHEN JOISTS OVERHANG

Joist Span	Beam Size
0 - 6'-0"	(2) 2x8*
6'-1" - 12'-8"	(2) 2x10*
12'-9" - 18'-0"	(2) 2x12

MAXIMUM JOIST SPANS

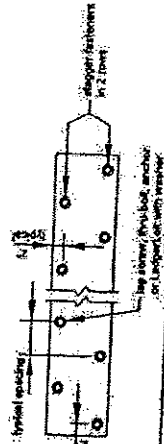
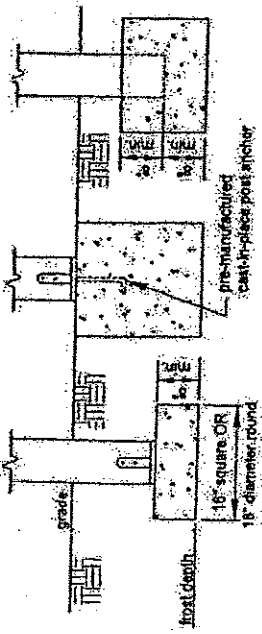
Joist Size	Joist Spacing, on center	Joist Span ¹ , excludes overhangs
2x6	16"	9'-4"
2x6	24"	7'-10"
2x8	16"	12'-2"
2x8	24"	10'-1"
2x10	16"	15'-9"
2x10	24"	13'-1"
2x12	16"	18'-0"
2x12	24"	15'-4"

¹ Spans based on 40 PSF live load, 10 PSF dead load, southern pine #2, normal loading duration, wet service conditions and deflection: Δ=1/360.



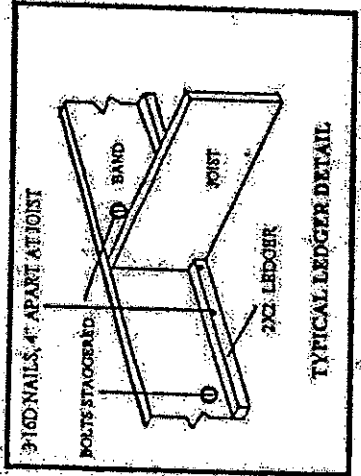
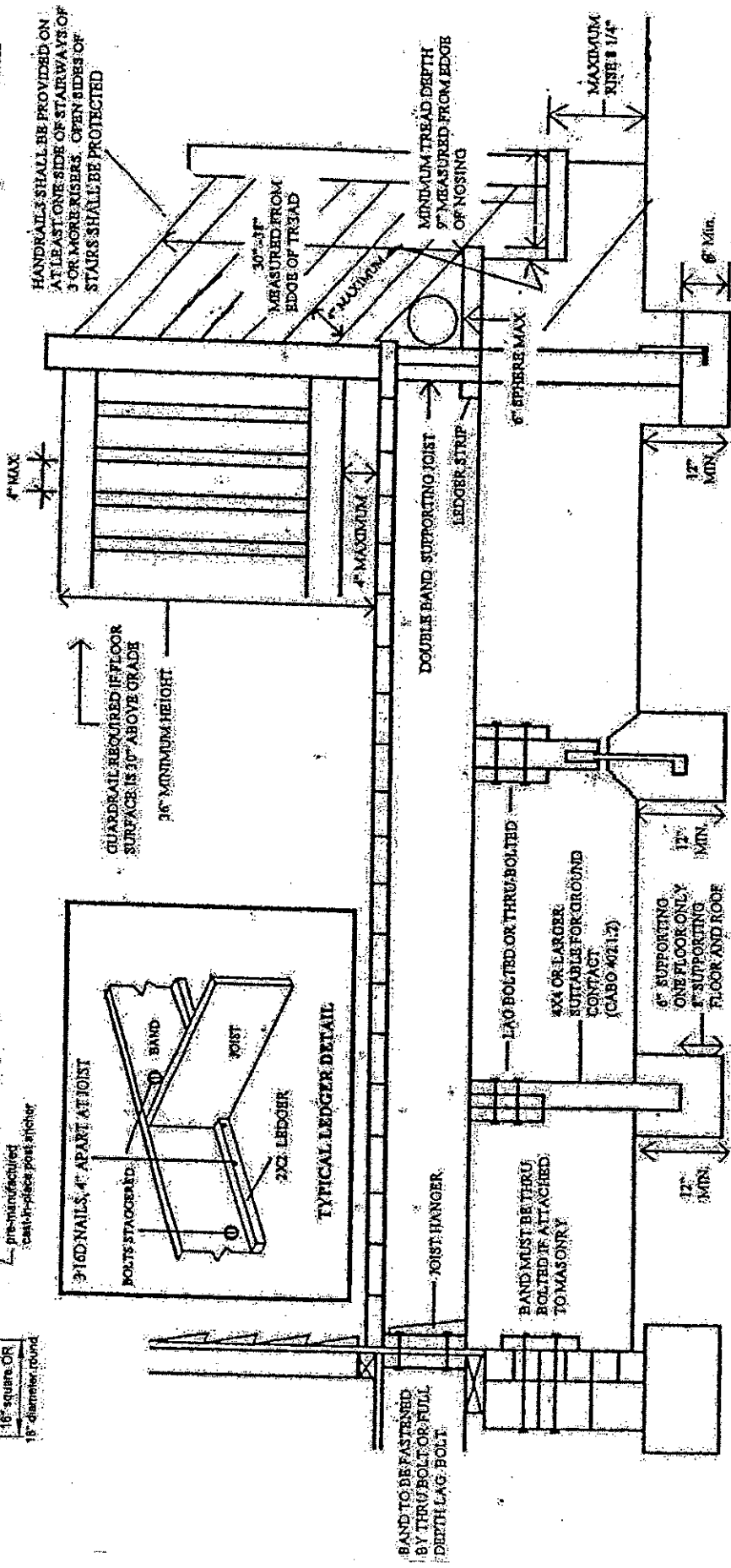
ATTACHMENT OF LEDGER BOARD TO FOUNDATION WALL (HOLLOW MASONRY)

DECK DETAILS



LEDGER BOARD FASTENER SPACING AND CLEARANCES

HANDRAILES SHALL BE PROVIDED ON AT LEAST ONE SIDE OF STAIRWAYS OF 3 OR MORE RISERS. OPEN SIDES OF STAIRS SHALL BE PROTECTED



FASTENERS

Fasteners used below grade to attach plywood to the exterior basement or crawlspace wall studs, or fasteners used in knee-wall construction, shall be type 304 or 316 stainless steel. Fasteners used above grade to attach plywood, and all lumber to lumber fasteners except those used in knee-wall construction shall be of type 304 or 316 stainless steel, silicon bronze, copper, hot-dipped galvanized (zinc coated) steel nails, or hot-dipped galvanized (zinc coated) steel nails. Electro galvanized steel nails and galvanized (steel coated) steel staples shall not be permitted.

REQUIRED INSPECTIONS

FOOTING INSPECTION - PRIOR TO PLACING CONCRETE
FINAL INSPECTION - WHEN DECK IS COMPLETE

IF FLOOR FRAMING CAN NOT BE SEEN ON FINAL INSPECTION A FLOOR FRAMING INSPECTION SHALL BE MADE.

1 1/2" MIN. SUPPORTING FLOOR ONLY
 2 1/2" MIN. SUPPORTING FLOOR AND ROOF