

5	THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT UNLESS OTHERWISE SHOWN ON THE DRAWINGS	
	STRUCTURAL ELEMENT	COVER
	CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
	CONCRETE EXPOSED TO EARTH #6 OR LARGER #5 BARS OR SMALLER	2" 1 1/2"
	CONCRETE EXPOSED TO WEATHER #6 OR LARGER #5 BARS OR SMALLER	2" 1 1/2"
	CONCRETE NOT EXPOSED TO WEATHER OR CONTACT WITH GROUND	1 1/2"

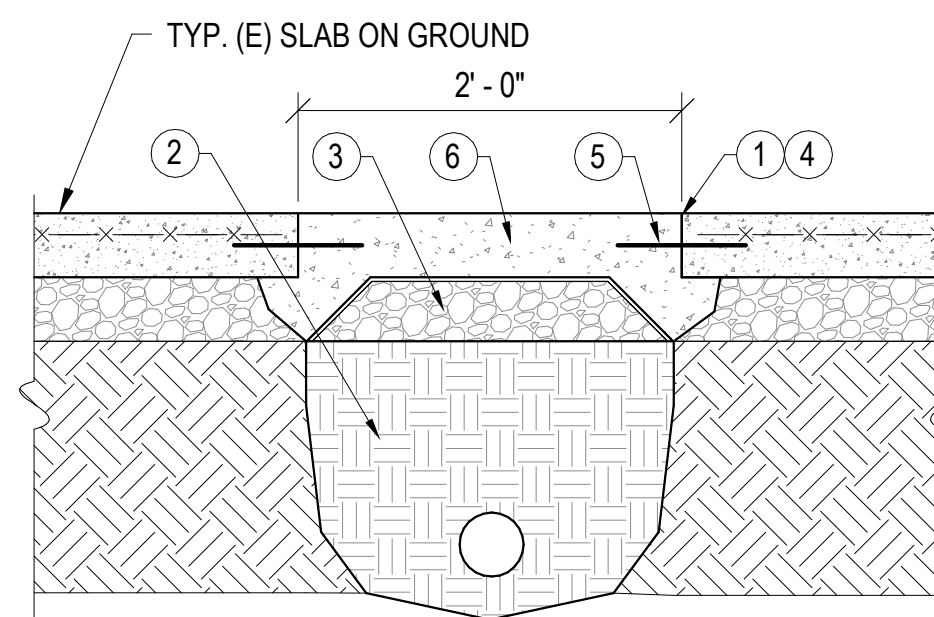


NOTES:

1. SEE GENERAL NOTES FOR DECK PROPERTIES.
2. TEK SCREWS BY ITW BUILDEX, OR APPROVED EQUAL.

BAR SIZE	EMBEDMENT LENGTH (IN.)		TENSION LAP SPLICE LENGTH (IN.)	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	22"	17"	29"	23"
#4	29"	22"	38"	29"
#5	36"	28"	47"	37"
#6	43"	33"	56"	43"
#7	63"	48"	81"	63"
#8	72"	55"	94"	72"

1. LENGTHS INDICATED HERE ARE BASED ON ACI 318-14, 25.4.2.2 WITH MATERIAL PROPERTIES OF $f_y=60$ KSI, $f_c=3000$ PSI.
2. TOP BARS ARE ANY HORIZONTAL BARS POSITIONED WHERE 12" OR MORE OF CONCRETE IS CAST BELOW.
3. SPICE LENGTHS INDICATED ARE CLASS B TENSION LAP SPLICES.
4. THESE LAP SPICE LENGTHS APPLY ONLY TO BARS THAT HAVE A CLEAR SPACING AND A CLEAR COVER OF NOT LESS THAN ONE BAR DIAMETER AND HAVE STIRRUPS AND TIES THROUGHOUT THE SPICE LENGTH NOT LESS THAN THE CODE MINIMUM OR TO BARS THAT HAVE A CLEAR SPACING NOT LESS THAN TWO BAR DIAMETERS AND A CLEAR COVER OF NOT LESS THAN ONE BAR DIAMETER. LAP SPICE LENGTHS FOR BARS WITH CLOSER SPACING OR LESS CLEAR COVER SHALL BE CALCULATED BY ACI 318-14, 25.4.2.2.



- NOTES:**
1. REMOVE EXISTING CONCRETE FOR INSTALLATION OF UTILITIES SHOWN ON MECHANICAL, ELECTRICAL AND PLUMBING CONTRACT DRAWINGS OR SHOP DRAWINGS. SAW CUT EXISTING SLAB ON GROUND FULL-DEPTH (EACH SIDE) WHERE UTILITY LINE IS TO BE REMOVED AND/OR REPLACED. UNDERCUT EXISTING SLAB.
 2. REMOVE AND REPLACE EXCAVATED MATERIAL WITH IMPORTED STRUCTURAL FILL OR FLOWABLE CONCRETE FILL (SEE CIVIL FOR REQUIREMENTS).
 3. ADD 4" CAPILLARY WATER BARRIER. COVER WITH VAPOR BARRIER.
 4. COAT EXISTING SLAB EDGES WITH BONDING AGENT.
 5. DOWELS INTO EXISTING SLAB SHALL BE #4 x 8" @ 36" MAX. O.C. SET 4" IN EPOXY ADHESIVE.
 6. PLACE NEW CONCRETE, FILLING UNDERCUT.

