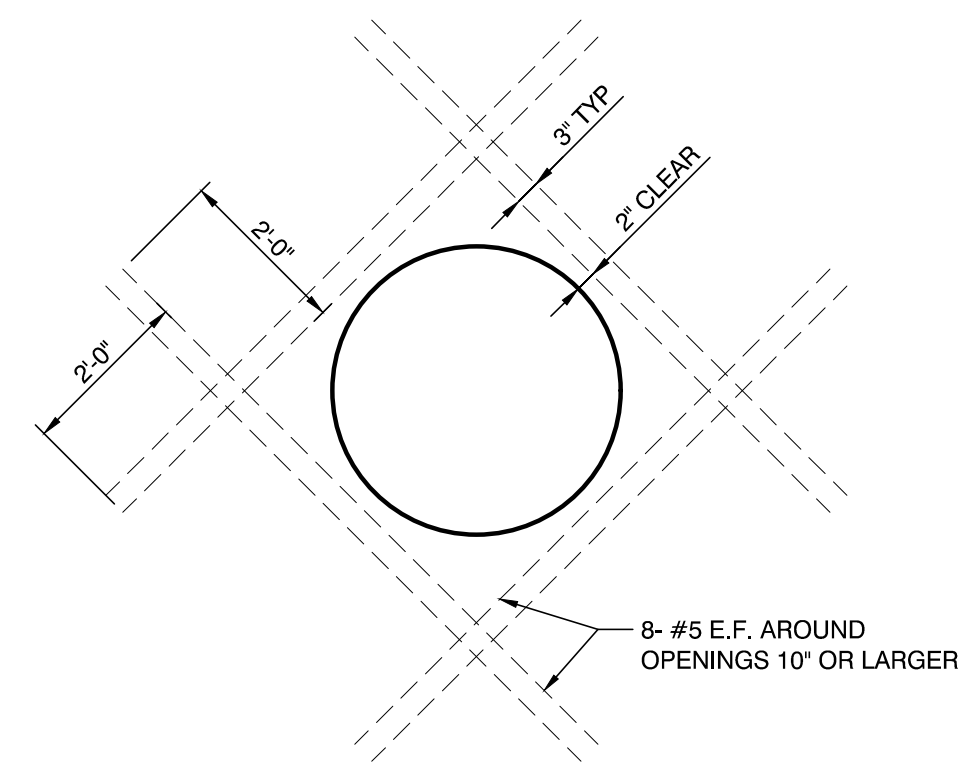
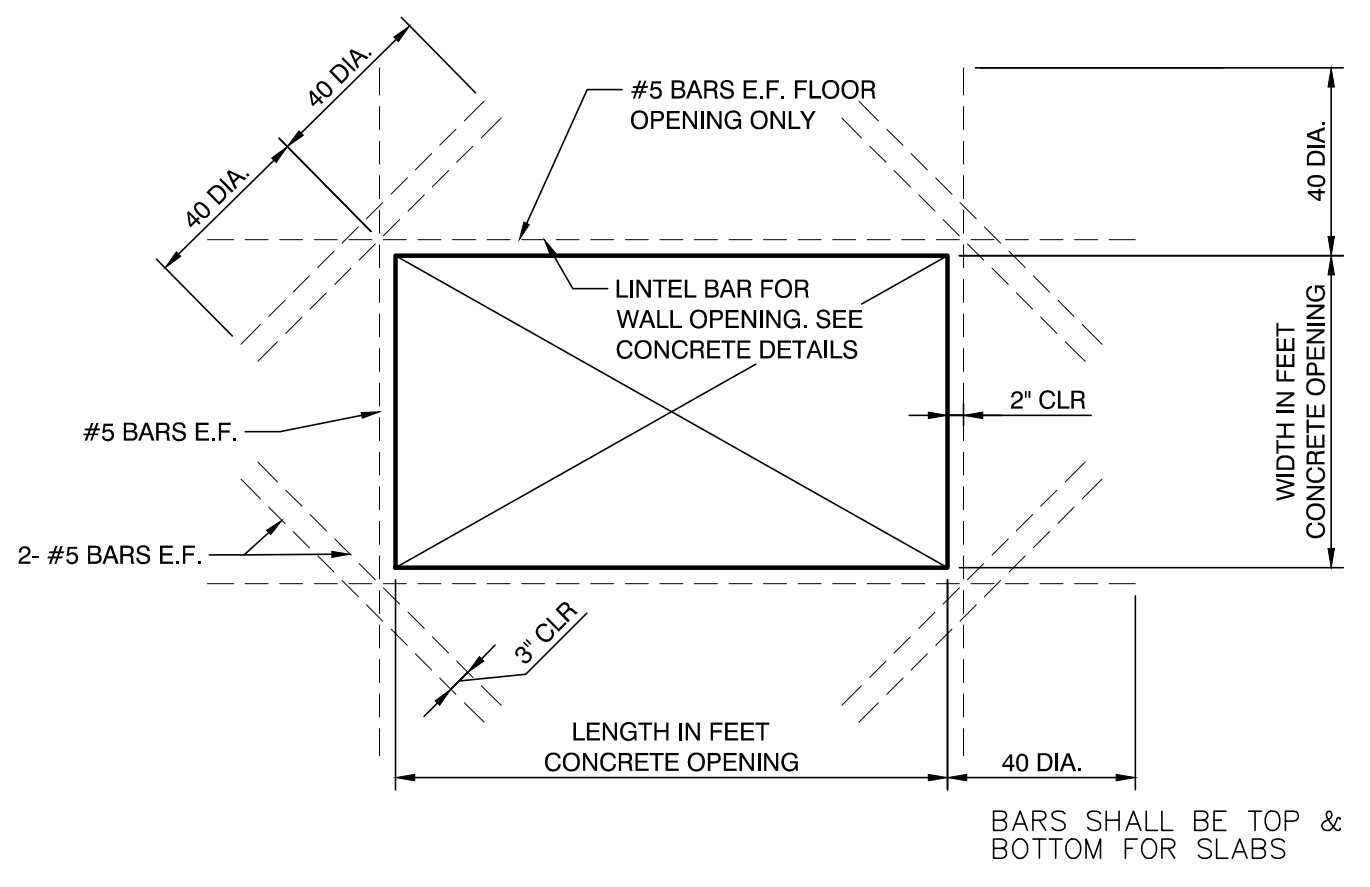


* ALL REINFORCING WHICH IS CUT BY THE OPENING SHALL BE ADDED EQUALLY TO EACH SIDE OF THE OPENING AND PLACED BETWEEN NORMAL REINFORCING @ 3' O.C.
 NOTE:
 1. THIS DETAIL TO BE USED FOR ANY OPENING GREATER THAN 18" Ø OR 18" SQUARE IN WALLS OR SLABS UNLESS FRAMED BY BEAMS OR WALLS.
 2. L = LAP SPLICE LENGTH AS GIVEN IN LAP SPLICE TABLE ON THIS SHEET.
 3. ld = ANCHORAGE LENGTH AS GIVEN IN TABLE ON THIS SHEET.

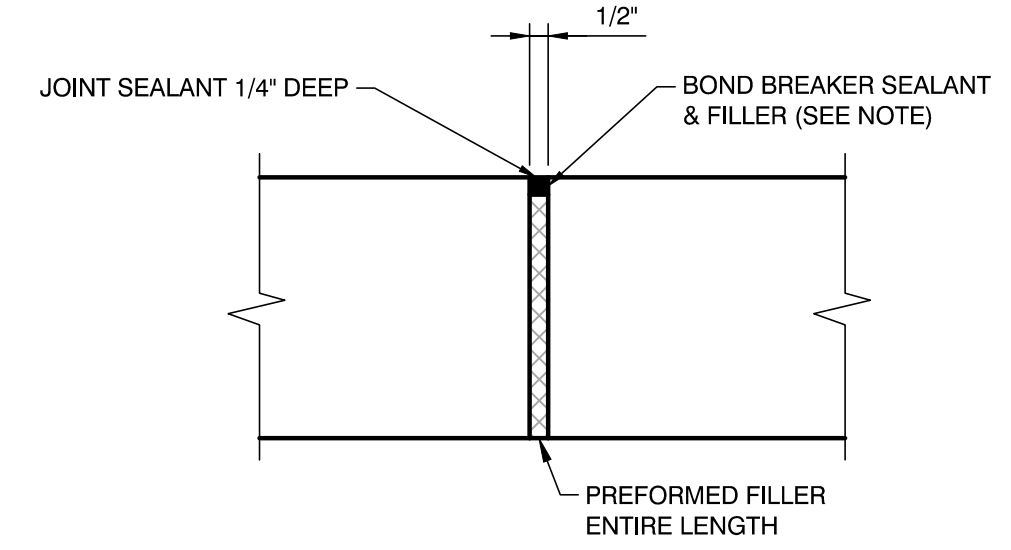
1 S-04 TYP. OPENING REINFORCING SCALE: NTS



4 S-04 TYP. REINF. AROUND ROUND OPNGS. IN REINF. CONCRETE SLABS & WALLS SCALE: NTS

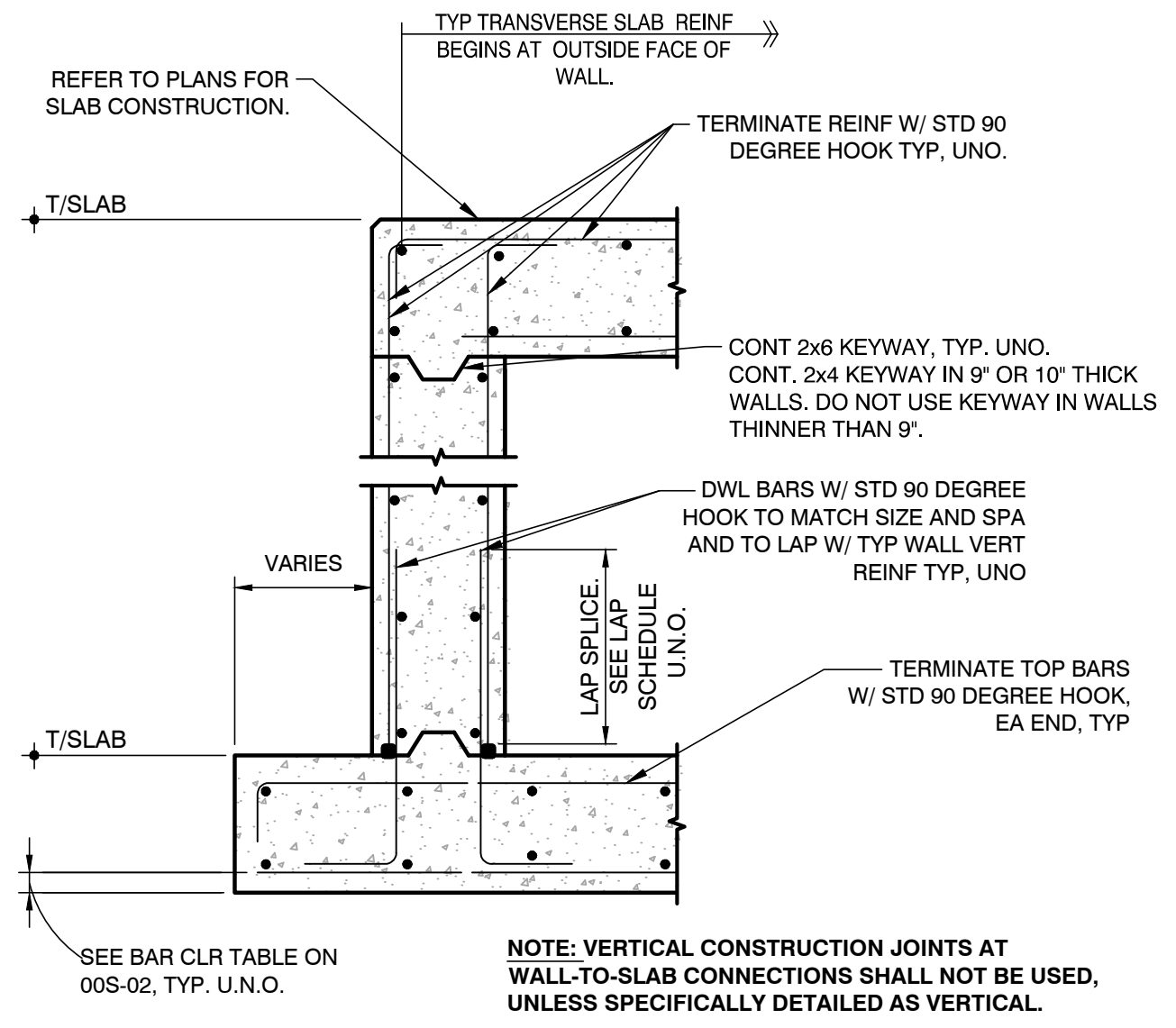


7 S-04 TYP. REINF. AROUND OPNGS. IN REINF. CONCRETE SLABS & WALLS SCALE: NTS



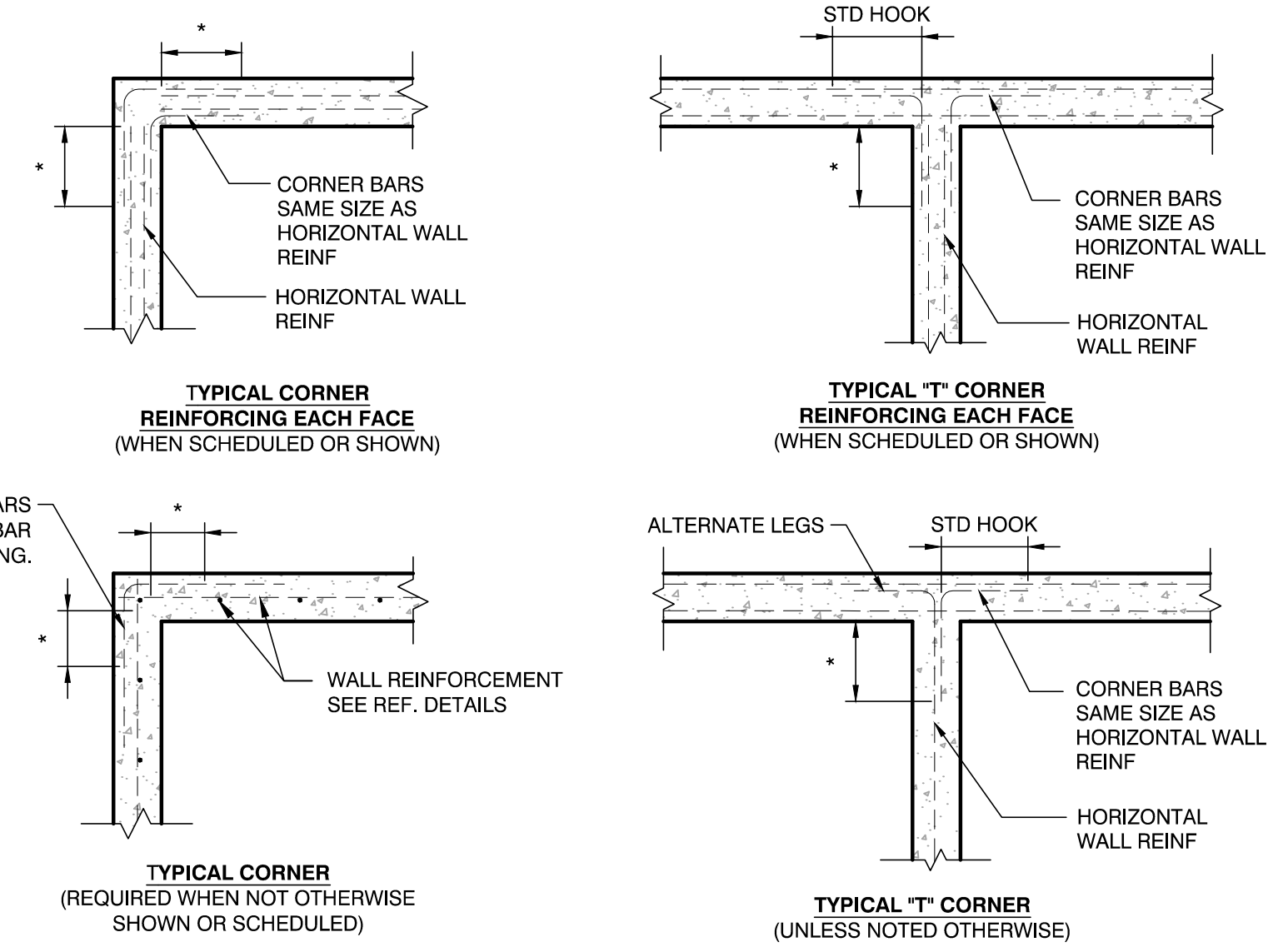
NOTE: APPLY BOND BREAKER SUCH AS FOIL OR POLYETHYLENE TAPE BETWEEN FILLER MATERIAL AND JOINT SEALANT ONLY. SEALANT SHALL ADHERE TO BOTH CONCRETE SURFACES ONLY.

2 S-04 TYPE 'A' JOINT SCALE: NTS

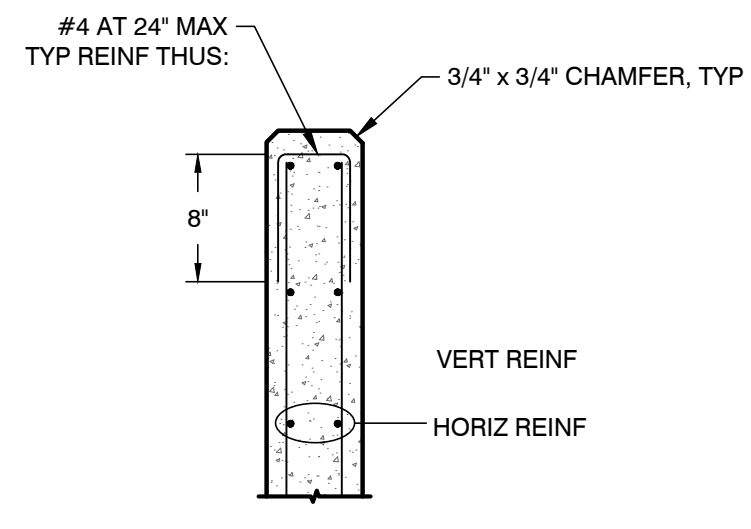


NOTE: VERTICAL CONSTRUCTION JOINTS AT WALL-TO-SLAB CONNECTIONS SHALL NOT BE USED, UNLESS SPECIFICALLY DETAILED AS VERTICAL.

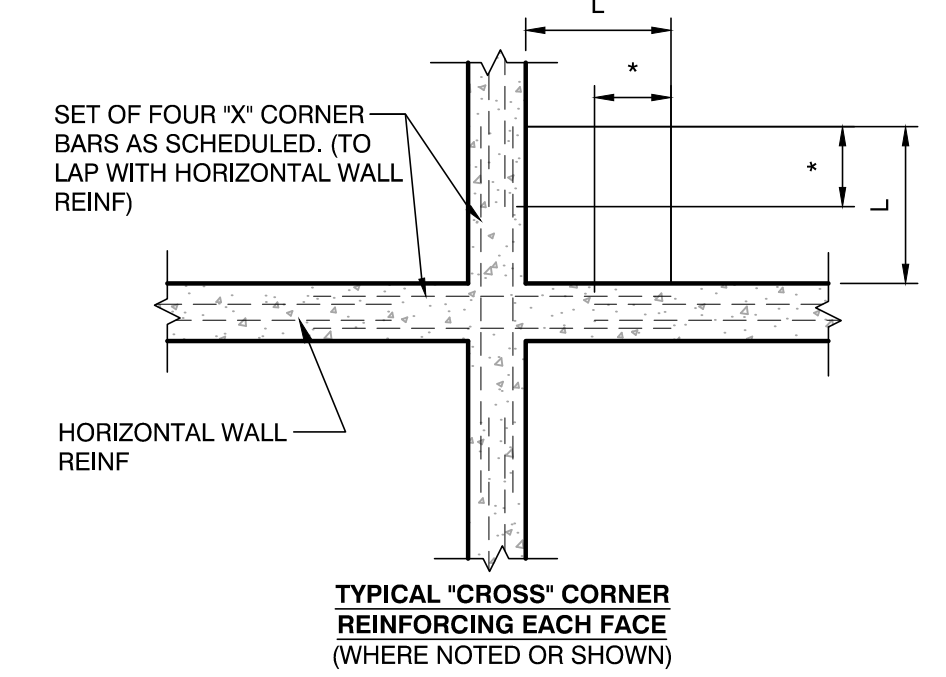
5 S-04 TYP. CONCRETE WALLS/SLAB CONSTRUCTION JOINT DETAIL SCALE: NTS



3 S-04 TYP. HORIZONTAL CORNER CONCRETE REINFORCING DETAILS SCALE: NTS



6 S-04 TYP. DOWELED EXPOSED CONCRETE WALLS SCALE: NTS



NOTE:
 1. VERTICAL REINFORCING NOT SHOWN
 2. L = 4'-0" UNLESS NOTED OTHERWISE
 3. * = CLASS 'B' SPLICE LENGTH AS GIVEN IN 'MINIMUM LAP SPLICE AND ANCHORAGE TABLE' ON THIS DRAWING.



ISSUED FOR:	CD	NO	REVISION	DATE
ISSUE DATE:	8/5/19			
SCALE:	AS SHOWN			
DESIGNED BY:	AP			
DRAWN BY:	AP			
CHECKED BY:	PCP			

LAKELAND TRANSFER CENTER
 LAKELAND COMMUNITY COLLEGE
 7601 CLOCKTOWER DR., KIRTLAND, OH 44094
TYPICAL CONCRETE DETAILS

PROJECT NO.	18050002
DISCIPLINE	STRUCTURAL
SHEET NAME	S-04
SHEET	40
OF	55