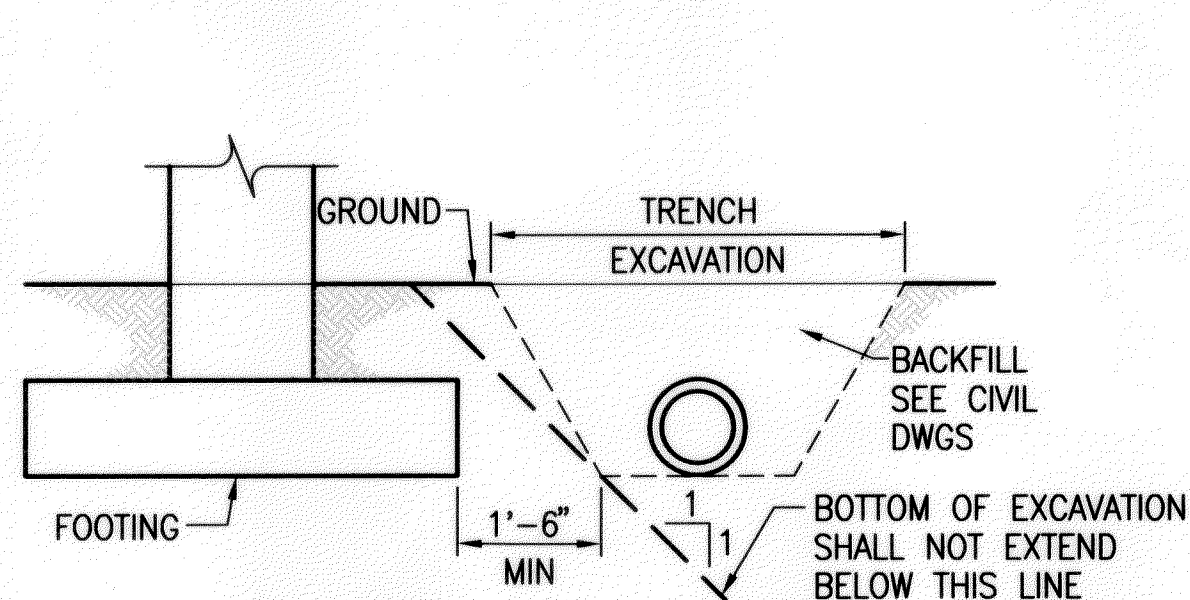
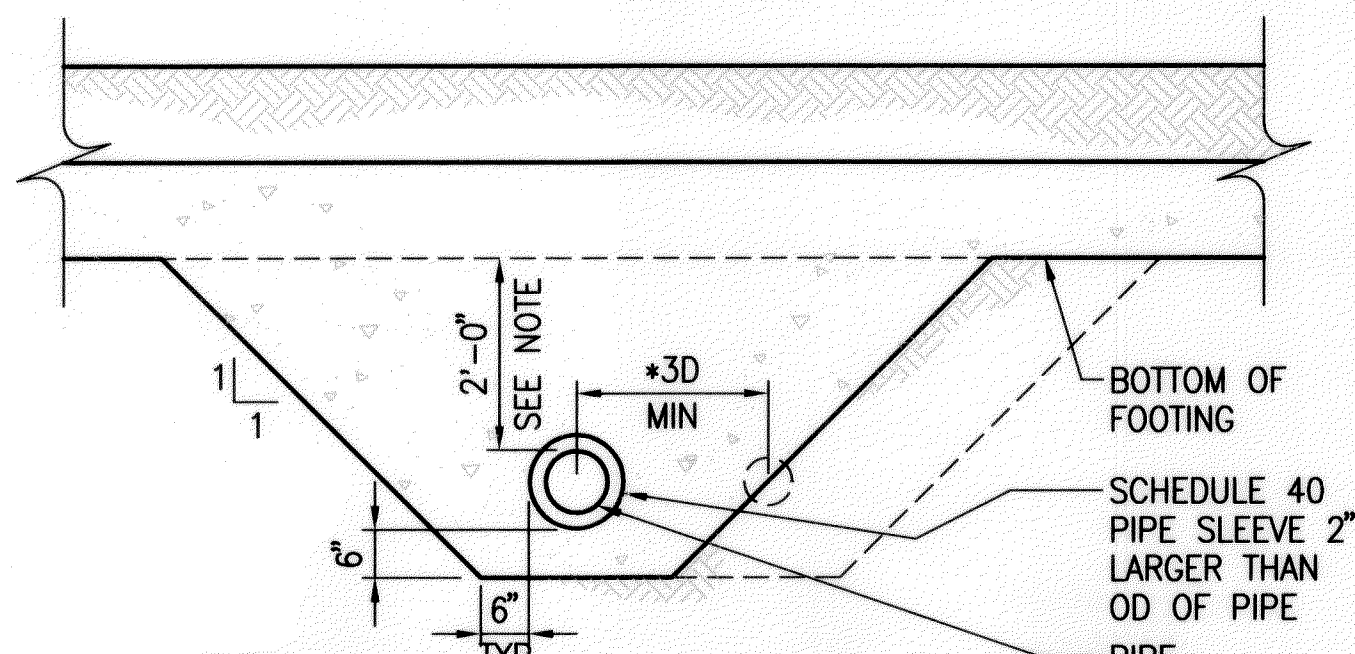


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-05-98	2002	63	99

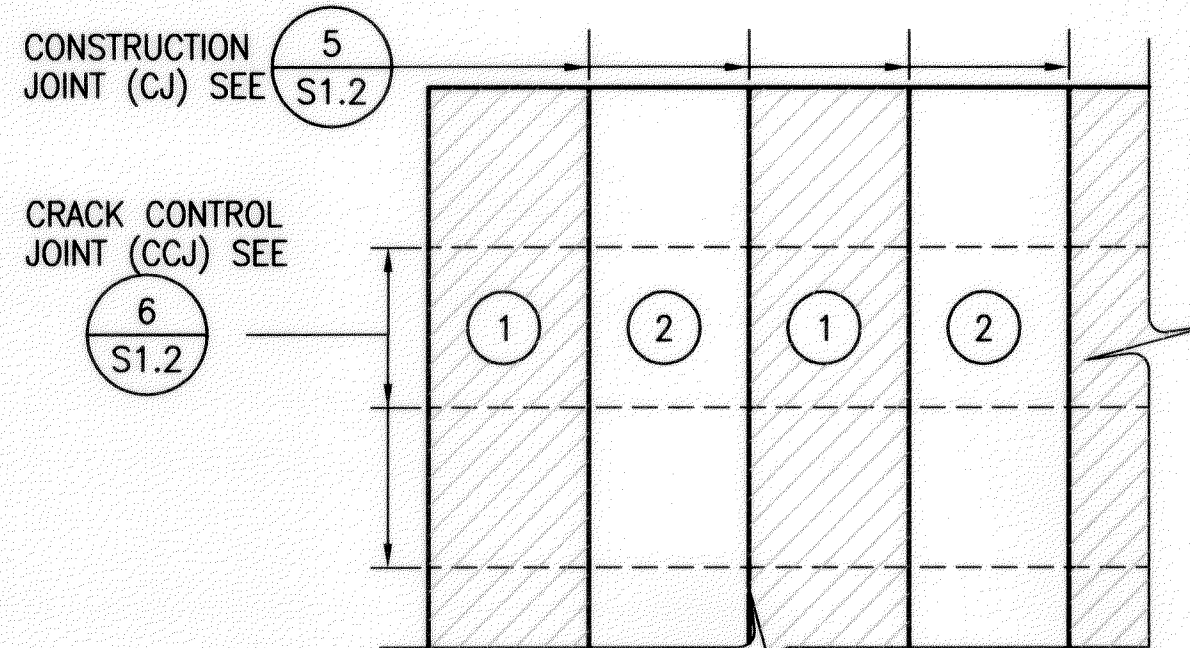


1 TYPICAL EXCAVATION PARALLEL TO FOOTING
SCALE: 1/2"=1'-0"



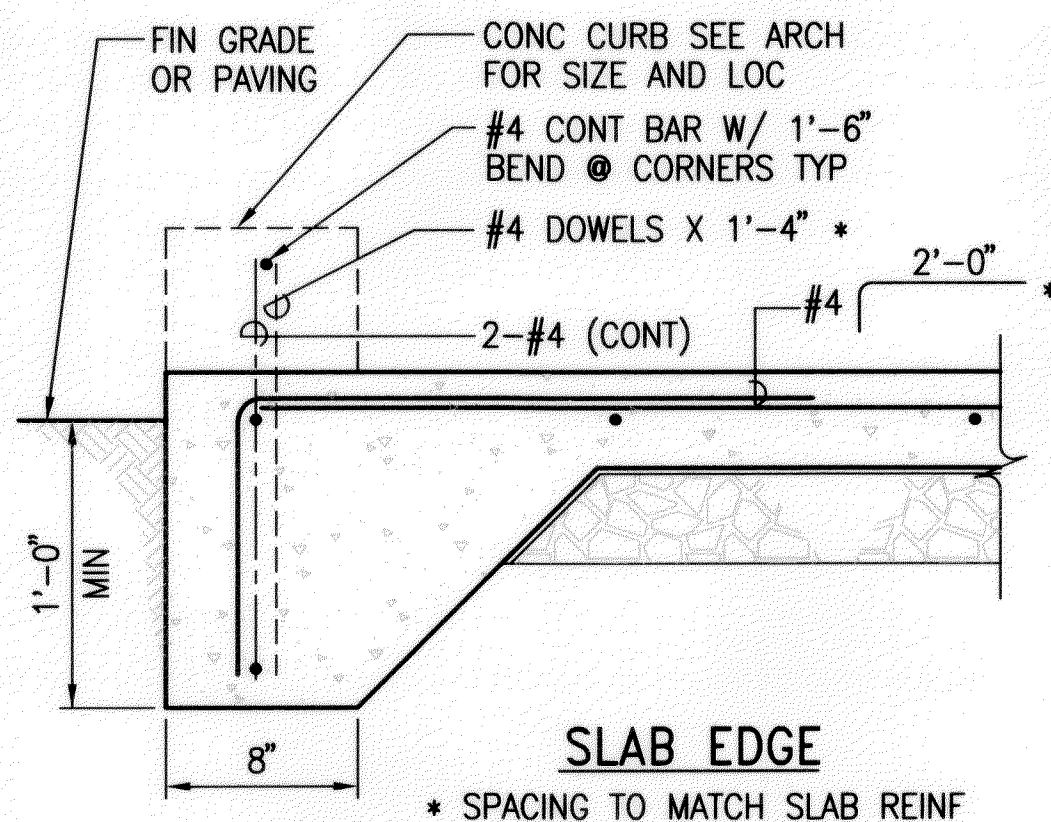
- NOTE:**
1. FOR PIPE 2'-0" OR LESS BELOW FOOTING, PROVIDE SLEEVE AND CONCRETE AS SHOWN.
 2. FOR PIPE 2'-0" OR MORE BELOW FOOTING, PROVIDE COMPACTED BACKFILL OVER PIPE AS APPROVED BY ENGINEER.
 3. PIPE SHALL NOT BE LOCATED UNDER SPREAD FOOTING.
 - *4. CONDITION FOR MULTIPLE PIPES.

2 TYPICAL EXCAVATION PERPENDICULAR TO FOOTING
SCALE: 1/2"=1'-0"

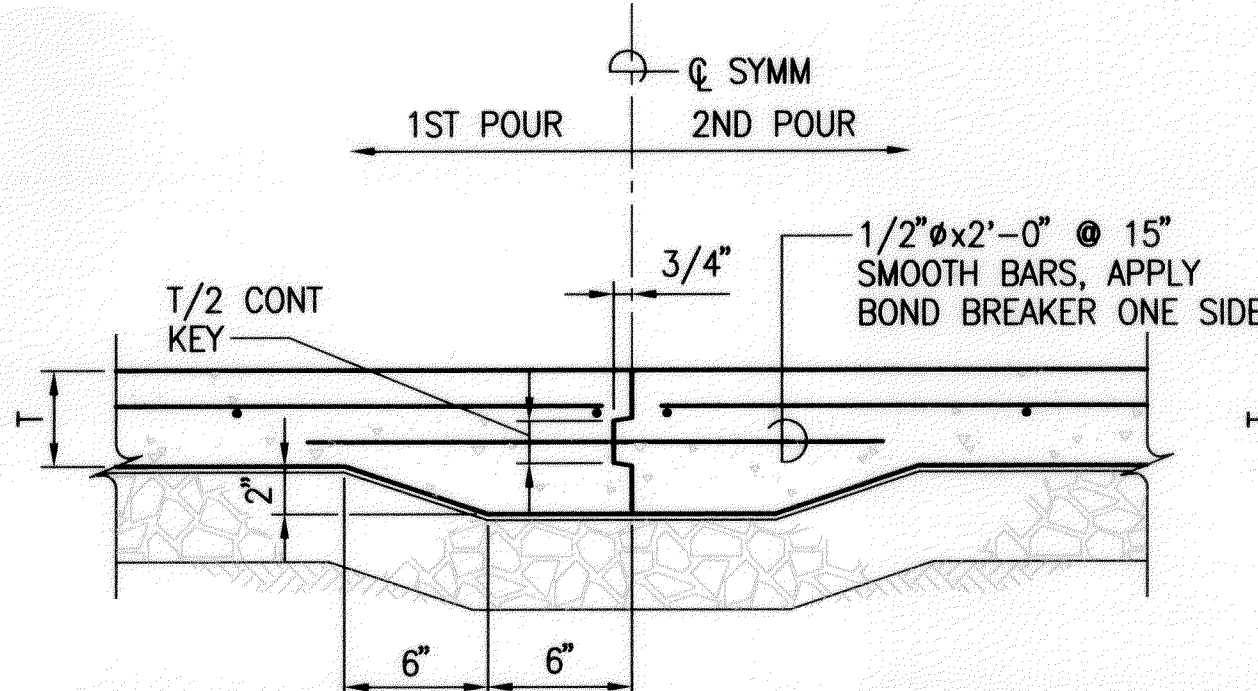


- NOTES:**
1. 24 HOUR MINIMUM BETWEEN POURS 1 & 2.
 2. CONSTRUCTION JOINT SHALL BE USED AT THE END OF THE DAY'S WORK AND NOT GREATER THAN 120 FEET.

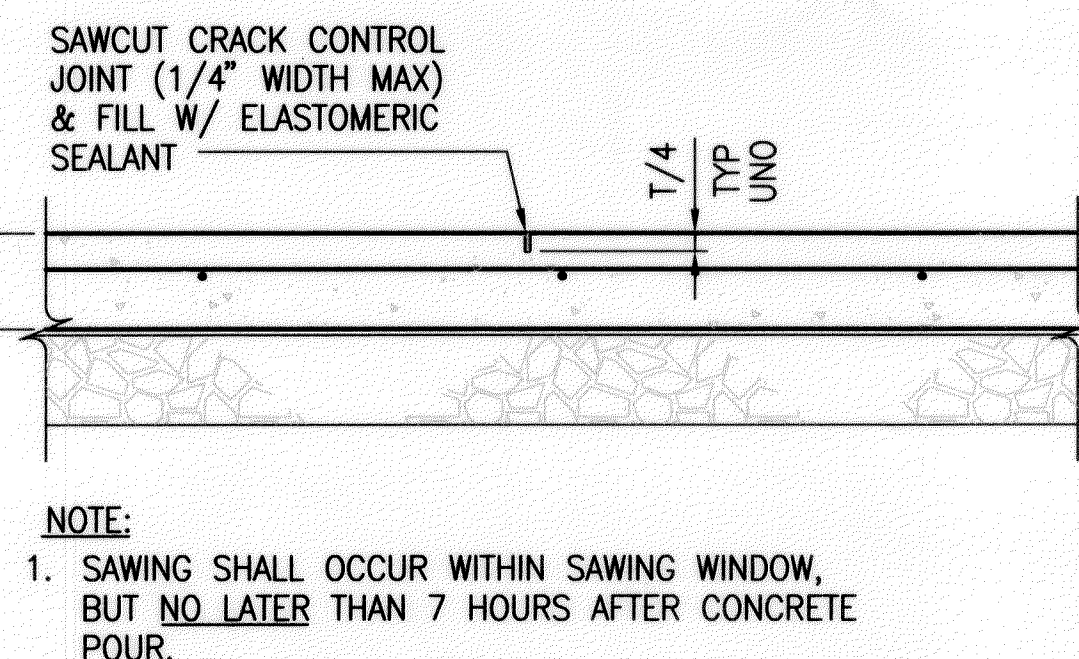
3 SLAB-ON-GRADE POUR
SCALE: 1/2"=1'-0"



4 TYPICAL DEPRESSED SLAB AND SLAB EDGE
SCALE: 1 1/2"=1'-0"

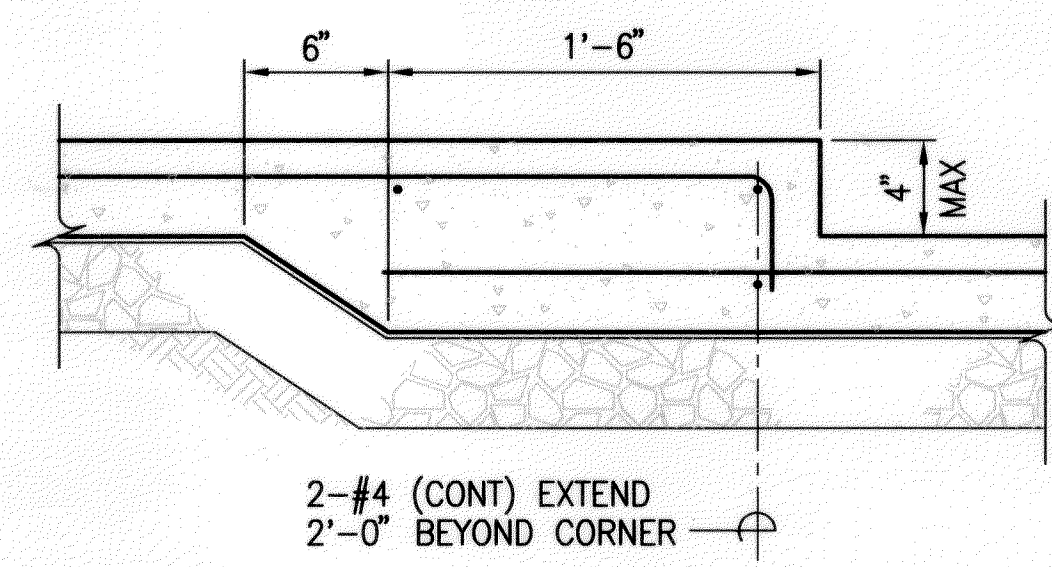


5 TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT
SCALE: 1 1/2"=1'-0"

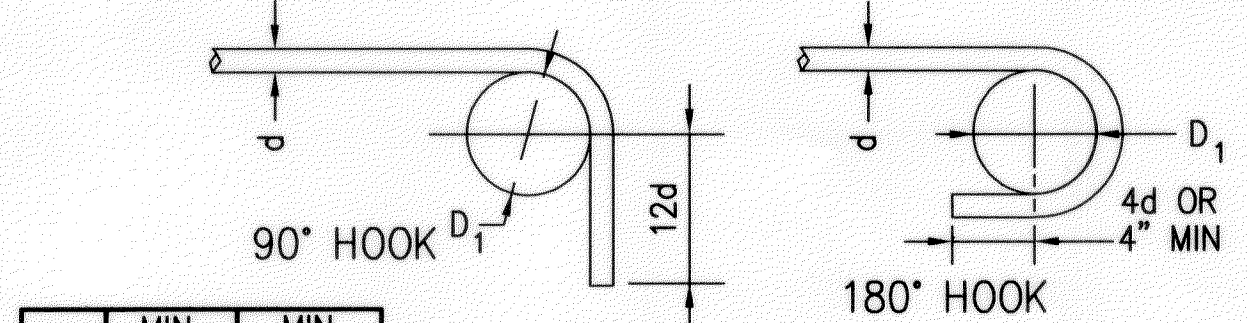


- NOTE:**
1. SAWING SHALL OCCUR WITHIN SAWING WINDOW, BUT NO LATER THAN 7 HOURS AFTER CONCRETE POUR.

6 TYPICAL SLAB-ON-GRADE CRACK CONTROL JOINT
SCALE: 1 1/2"=1'-0"

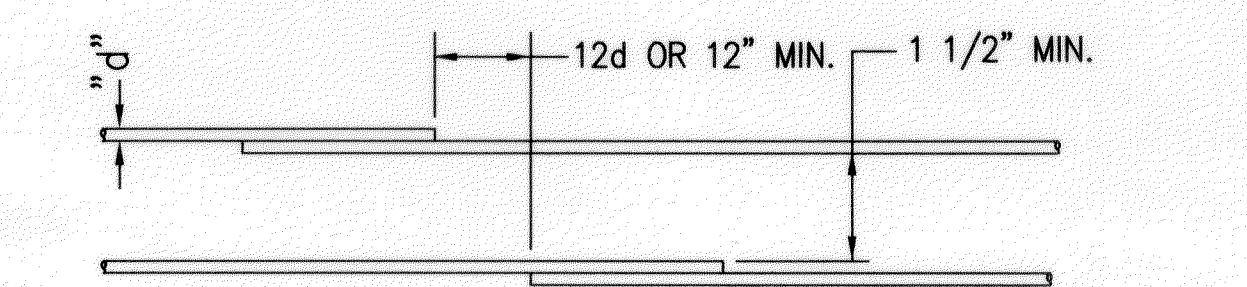
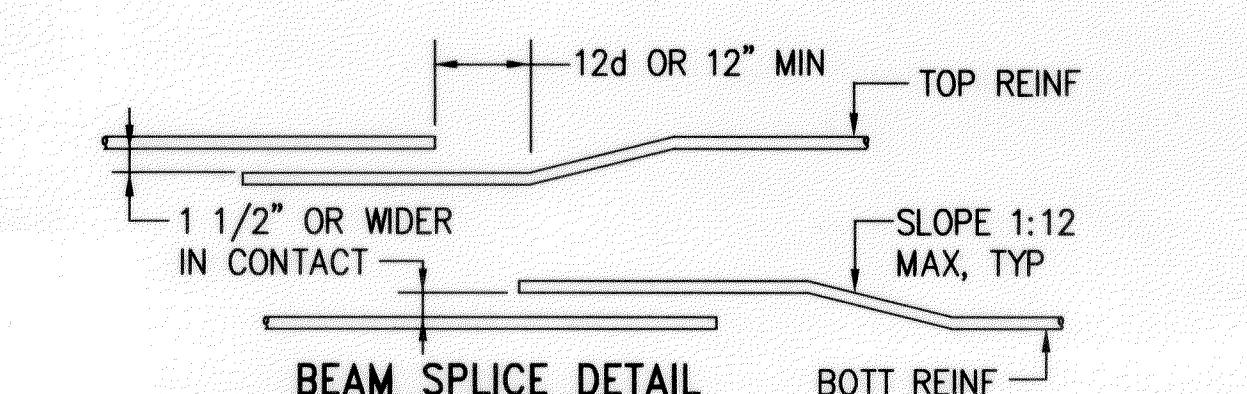


7 TYPICAL DEPRESSED SLAB
SCALE: 1 1/2"=1'-0"



BAR DIA	MIN D ₂	MIN D ₁
#3	1 1/2"	2 1/2"
#4	2"	3"
#5	2 1/2"	3 3/4"
#6	4 1/2"	4 1/2"
#7	5 1/4"	5 1/4"
#8	6"	6"
#9	9 1/2"	9 1/2"
#10	10 3/4"	10 3/4"
#11	12"	12"

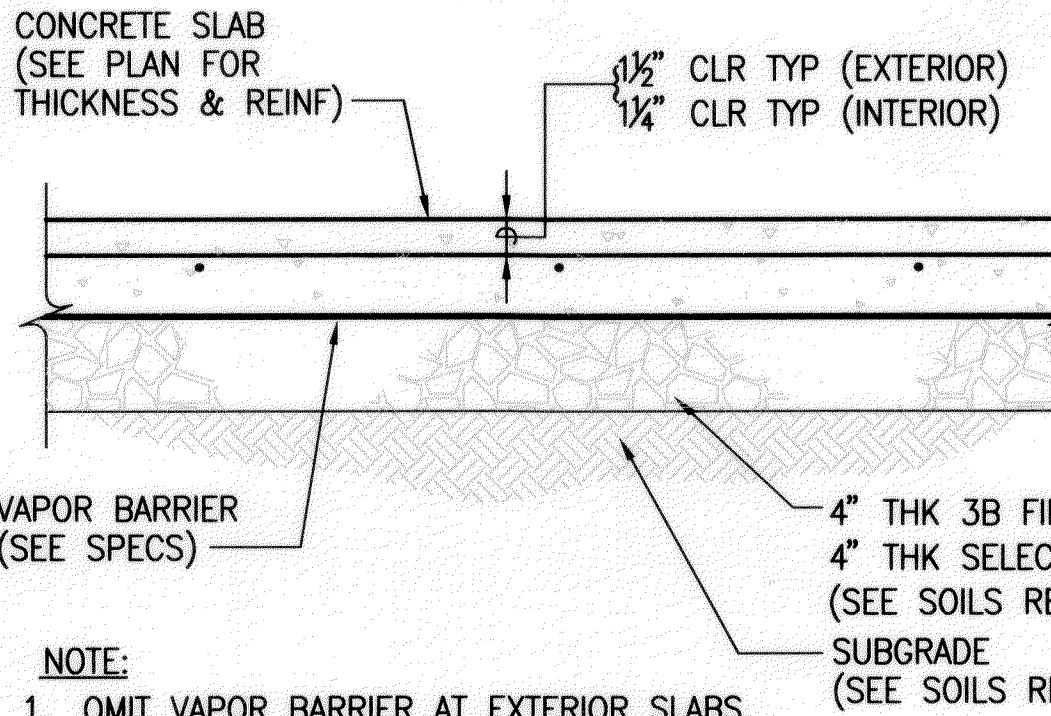
- NOTE:**
- 1 BENDS SHALL BE MADE COLD



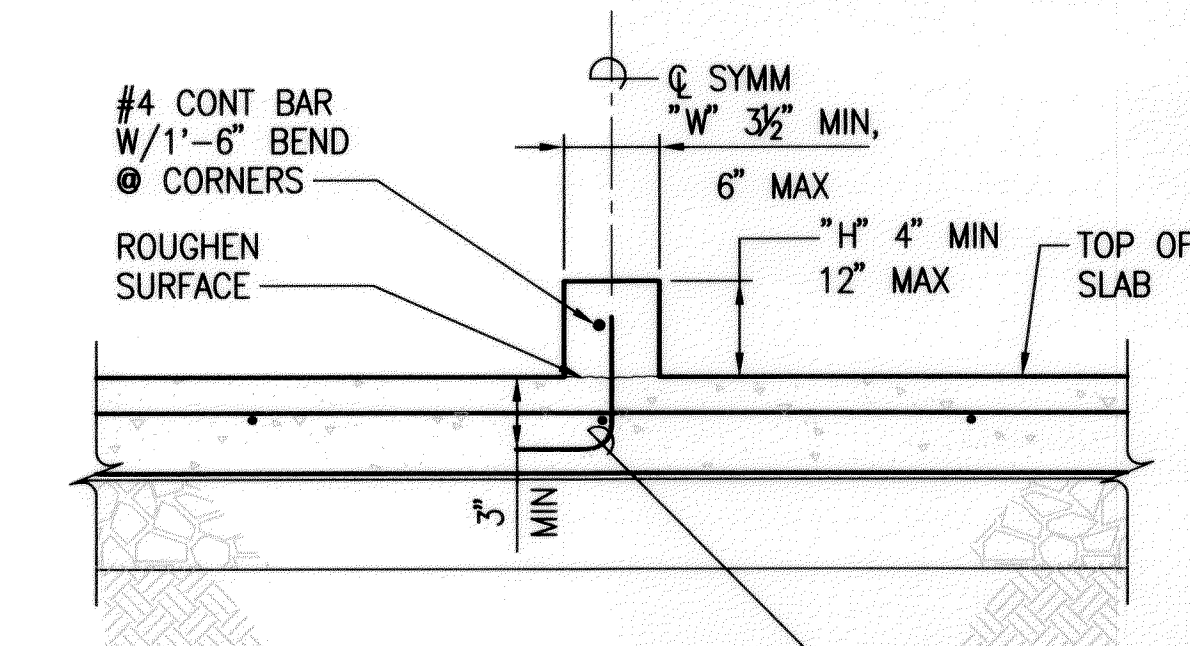
11 BAR BEND AND LAPS
SCALE: NTS

- NOTE:**
- SAWCUT TIMING IS CRITICAL TO CONTROL RANDOM CRACKING. SAWCUT CONCRETE SLAB WITHIN SAWING WINDOW, AT NEAR END LIMIT AS SOON AS CONCRETE HAS ACHIEVED MINIMUM STRENGTH TO AVERT EXCESSIVE SAW CUT RAVELING AND CAN STAND TO BE CUT, AND FAR END LIMIT BEFORE CONCRETE RESTRAINT STRESS EQUALS CONCRETE STRENGTH, BUT NOT LATER THAN 7 HOURS AFTER COMPLETION OF POUR. DO NOT USE GROOVING TOOLS IN LIEU OF SAWCUTTING.

DATE	04/03/00
DESIGNED BY	08-22
CHECKED BY	08-22
NO.	08-22

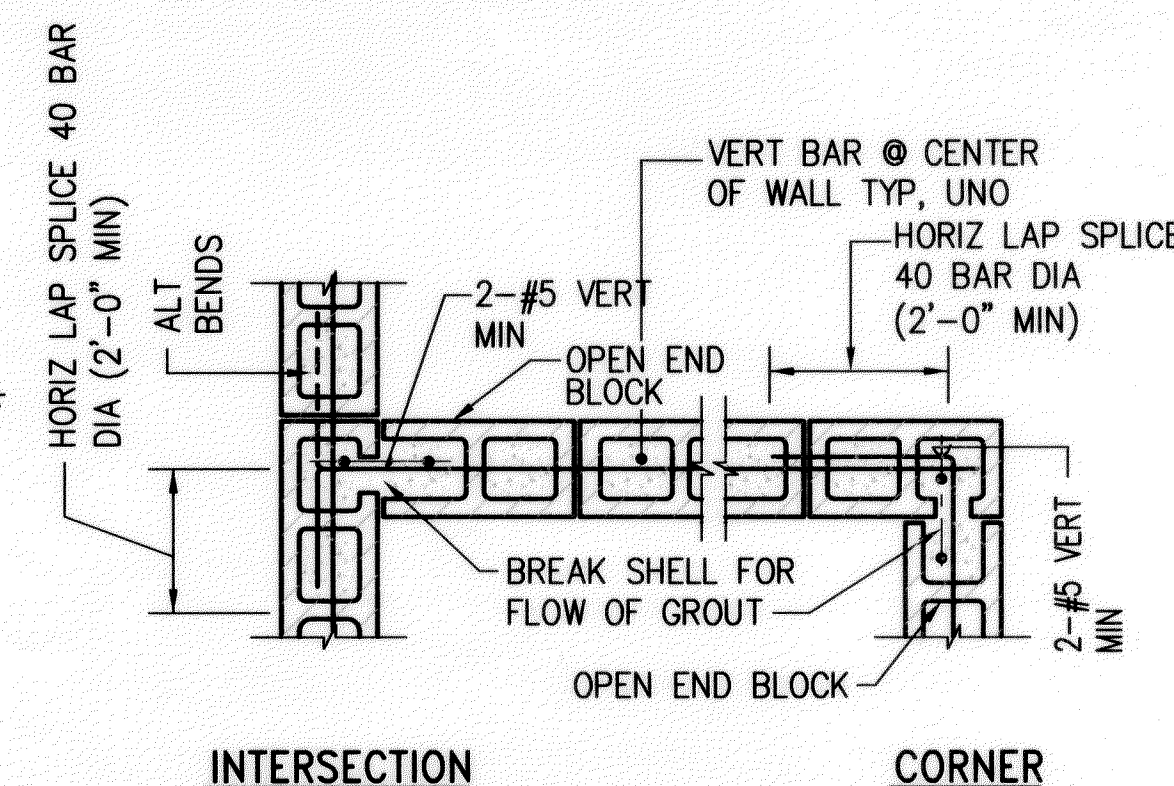


8 TYPICAL SLAB-ON-GRADE
SCALE: 1 1/2"=1'-0"

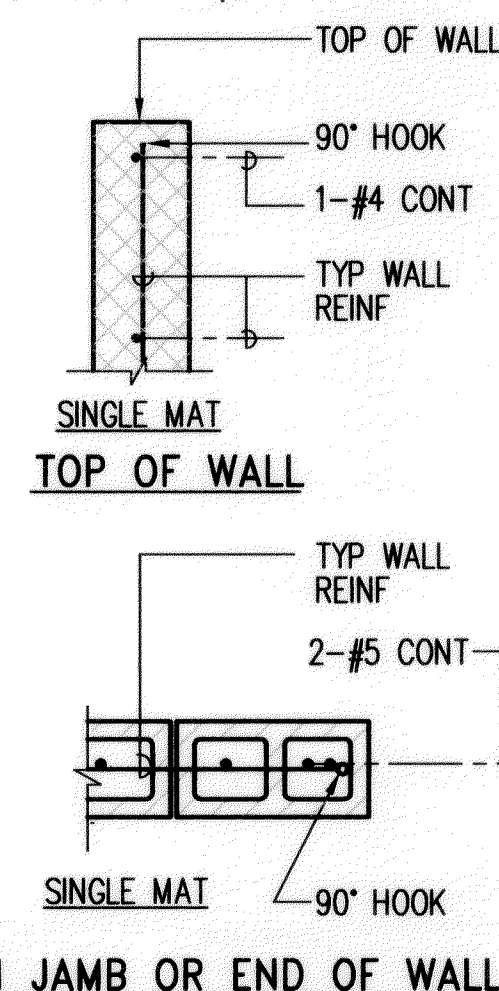
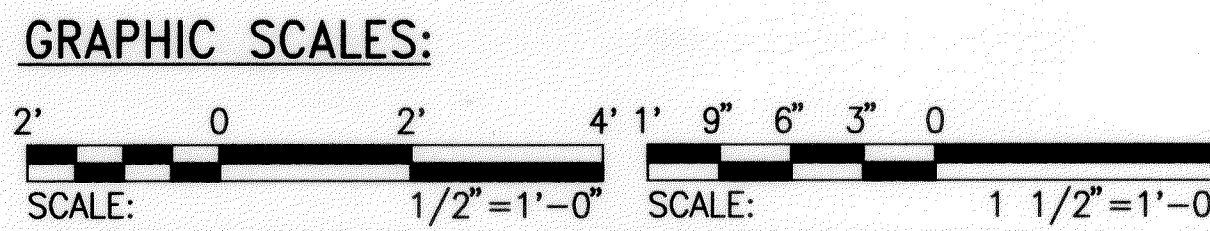


- NOTE:**
1. SEE ARCH. DWGS. FOR SIZE & LOCATION OF CURBS.

9 TYPICAL CONCRETE CURB
SCALE: 1 1/2"=1'-0"



10 TYPICAL MASONRY WALL REINFORCING DETAILS
SCALE: NTS



PLAN JAMB OR END OF WALL



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Myron Okubo

TYPICAL INSTALLATIONS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL DETAILS

MOLOKAI BASEYARD
MOLOKAI INDUSTRIAL PARK
Project No. HWY-M-05-98

Scale: As Noted Date: SEPT. 13, 2001

SHEET No. S1.2 OF S1.2 SHEETS