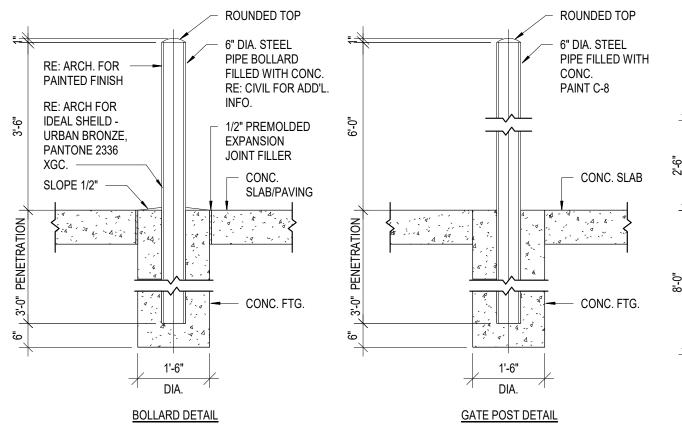
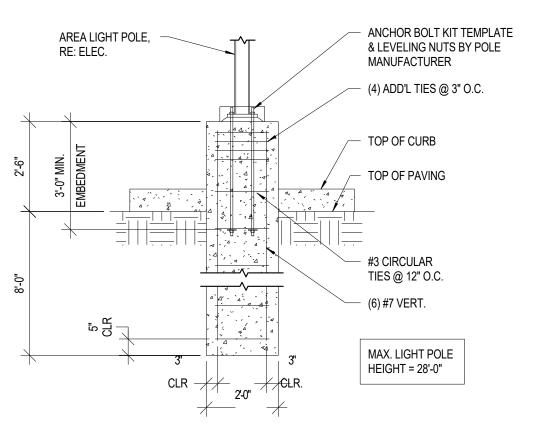
- SPEAKER PEDESTAL - TOP OF MENU BOARD SUPPORT FINISH GRADE BEARING 2" DIA STEEL TUBE PROVIDED HSS3x3 STEEL TUBE PROVIDED BY PEDESTAL MFR. BY MENU BOARD MFR. CONCR. FTG. - (4)-#4 x 2'-6" VERT (5)-#3 TIES EQ SPA 1'-6" MENU BOARD DETAIL

MENU BOARD & SPEAKER PEDESTAL FOUNDATION DETAILS

ANCHOR BOLT DETAIL



BOLLARD/GATE POST DETAIL



TYP. LIGHT POLE DETAIL

NTS

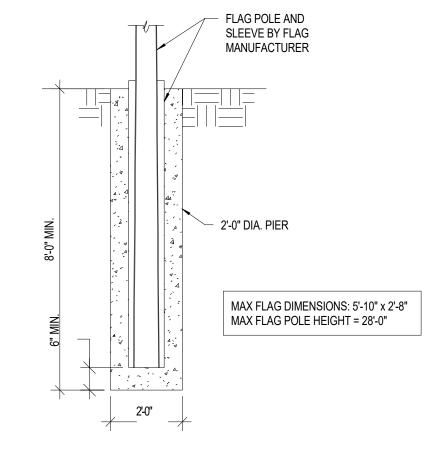
1'-6" MIN

OR 6t

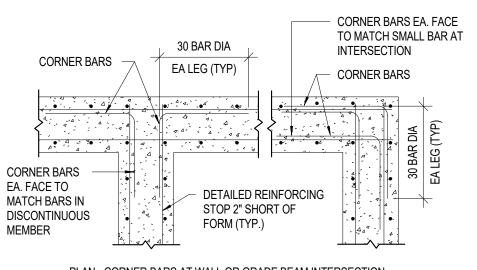
SLAB DEPRESSION NOT GREATER THAN 9"

PREPARED SUBGRADE

RE: GENERAL NOTES

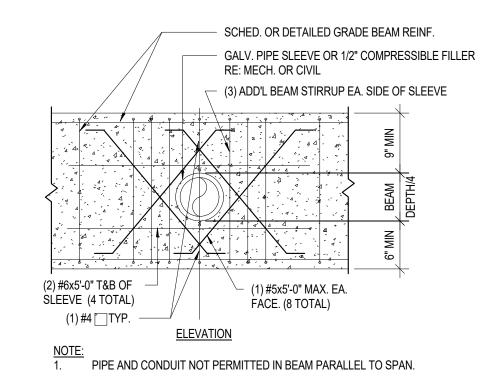


TYP. FLAG POLE DETAIL

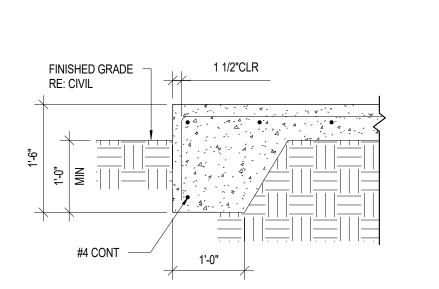


PLAN - CORNER BARS AT WALL OR GRADE BEAM INTERSECTION PROVIDE CORNER BARS TO MATCH SIZE AND LOCATION OF ALL HORIZONTAL GRADE BEAM AND WALL BARS EXCEPT HOOKED TOP AND BOTTOM BARS.

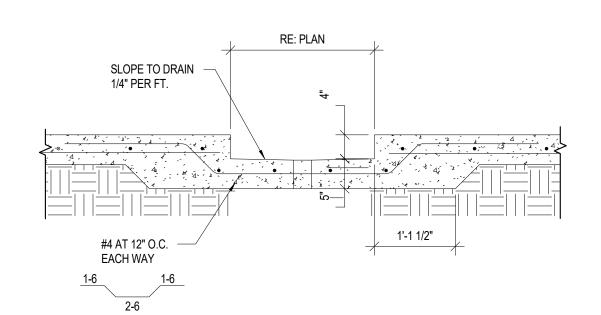
TYPICAL CORNER BAR DETAIL



TYPICAL SLEEVE IN GRADE BEAM TYP. CONCRETE TURNDOWN $(C3)\frac{11}{NTS}$



TYP. SLAB-ON-GRADE **DEPRESSION DETAIL**



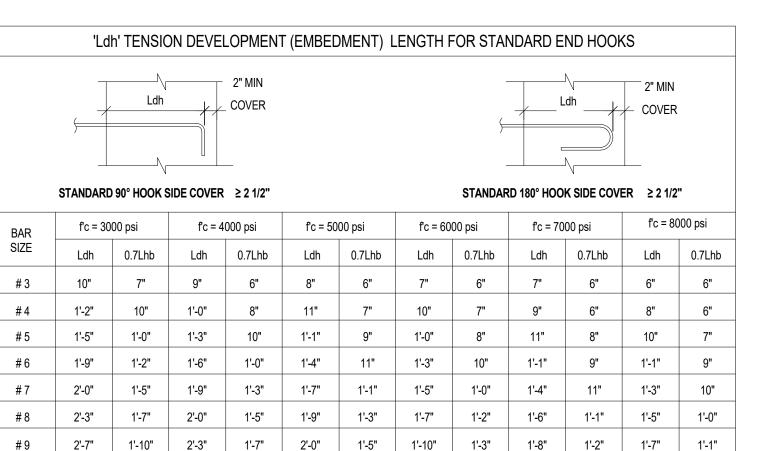
SINK DETAIL

'Ld' TENSION DEVELOPMENT LENGTH FOR BEAM, SLAB, AND WALL REBARS (GRADE 60 **UNCOATED BARS - NORMAL WEIGHT CONCRETE)** f'c=4000 psi f'c=5000 psi f'c=8000 psi **BAR SIZE** LdTOP Ld BOT #3 1'-9" 1'-4" 1'-2" 1'-5" 1'-1" 1'-3" 1'-0" 1'-1" 1'-0" 1'-6" 1'-1" 2'-4" 1'-10" 2'-1" 1'-7" 1'-10" 1'-5" 1'-8" 1'-3" 1'-5" 3'-0" 2'-3" 2'-7" 2'-0" 2'-1" 1'-7" 2'-4" 1'-9" 1'-10" 1'-5" # 5 3'-7" 2'-9" 2'-1" 1'-11" 2'-2" 1'-8" 3'-1" 2'-4" 2'-9" 2'-6" #6 #7 5'-2" 4'-0" 4'-6" 3'-6" 3'-8" 2'-10" 3'-2" 2'-5" #8 5'-11" 4'-7" 5'-2" 3'-6" 4'-2" 3'-3" 3'-8" 4'-1" 3'-2" #9 6'-8" 5'-2" 5'-9" 4'-5" 5'-2" 4'-0" 4'-9" 3'-8" 7'-6" 4'-7" 3'-7" # 10 5'-10" 6'-6" 5'-0" 5'-10" 5'-4" # 11 8'-4" 6'-5" 7'-3" 5'-7" 6'-6" 5'-0" 4'-7" 5'-1" 3'-11"

TOP' BARS ARE HORIZONTAL REBARS WITH MORE THAN 12 IN OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH. 'Ld' FOR #3 AND #4 BARS IN SLAB OR WALL ARE CONSERVATIVE AND MAY BE REDUCED TO 0.75 TIMES. FOR LIGHT-WEIGHT CONCRETE MUI TIPLY THE TABUI ATED VALUES BY 1.3

	TENSI	ION LAP S		LASS B FO ARS NORM				ADE 60 UN	COATED	
BAR SIZE	f'c=3000 psi		f'c=4000 psi		f'c=5000 psi		fc=6000 psi		f'c=8000 psi	
	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	TOP	ВО
#3	2'-4"	1'-9"	2'-0"	1'-6"	1'-10"	1'-5"	1'-8"	1'-4"	1'-5"	1'-4
#4	3'-1"	2'-4"	2'-8"	2'-1"	2'-5"	1'-10"	2'-2"	1'-8"	1'-11"	1'-{
#5	3'-10"	3'-0"	3'-4"	2'-7"	3'-0"	2'-4"	2'-9"	2'-1"	2'-4"	1'-1
#6	4'-8"	3'-7"	4'-0"	3'-1"	3'-7"	2'-9"	3'-3"	2'-6"	2'-10"	2'-2
#7	6'-9"	5'-2"	5'-10"	4'-6"	5'-3"	4'-0"	4'-9"	3'-8"	4'-2"	3'-2
#8	7'-9"	5'-11"	6'-8"	5'-2"	6'-0"	4'-7"	5'-5"	4'-2"	4'-9"	3'-8
#9	8'-8"	6'-8"	7'-6"	5'-9"	6'-9"	5'-2"	6'-2"	4'-9"	5'-4"	4'-
# 10	9'-10"	7'-6"	8'-6"	6'-6"	7'-7"	5'-10"	6'-11"	5'-4"	6'-0"	4'-
# 11	10'-11"	8'-4"	9'-5"	7'-3"	8'-5"	6'-6"	7'-8"	5'-11"	6'-8"	5'-

FOR CLASS 'A' SPLICE (PERMITTED ONLY WHEN NOT MORE THAN HALF THE BARS SPLICED AND SPLICES STAGGERED BY THE DISTANCE OF SPLICE LENGTH), USE SAME AS 'Id' = TENSION DEVELOPMENT LENGTH TABLE.

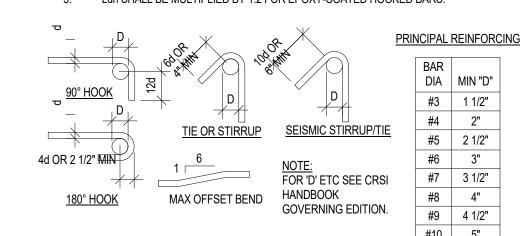


1'-7" | 2'-1" | 1'-5" | 1'-11" | 1'-4" | 1'-9" | 1'-3" 2'-11" 2'-0" 2'-6" 1'-9" 2'-3" | 3'-3" | 2'-3" | 2'-9" | 1'-11" | 2'-6" | 1'-9" | 2'-3" | 1'-7" | 2'-1" | 1'-6" | 2'-0" | 1'-5" Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION. Ldh = Lhb UNLESS CONDITIONS OF ITEMS 3 ARE SATISFIED. Ldh = 0.7 Lhb FOR #11 BARS AND SMALLER WHEN SIDE COVER (NORMAL TO PLAN OF HOOK) IS NOT LESS THAN 2 1/2" AND FOR 90° HOOKS, COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION. Ldh SHALL BE MULTIPLIED BY 1.2 FOR EPOXY-COATED HOOKED BARS.

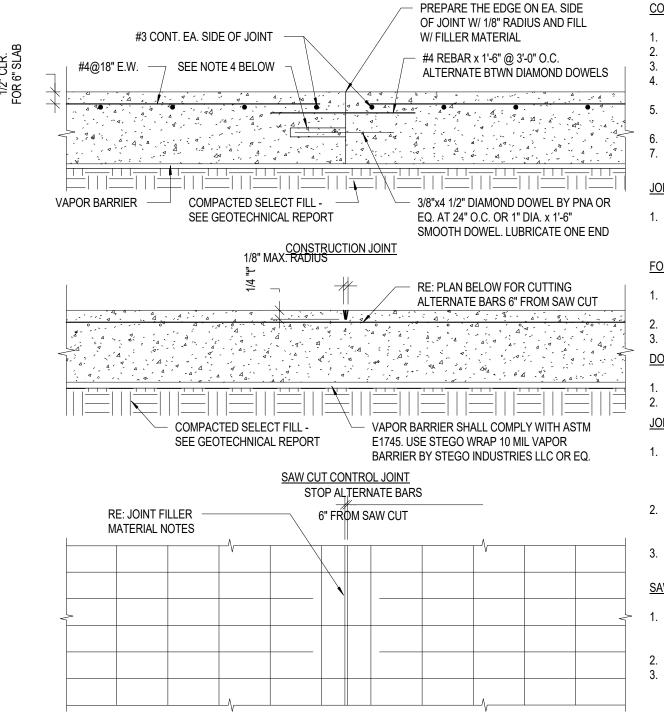
#7 3 1/2"

#9 4 1/2"

#11 5 1/2"



BENDS SHALL BE MADE COLD. #14 AND #18 BARS SHALL BE BEND-TESTED AND APPROVED PRIOR TO BENDING.



CONSTRUCTION JOINT NOTES:

REFER TO PLAN FOR SLAB THICKNESS (t) AND REINFORCEMENT. SLAB REINFORCEMENT SHALL BE CHAIRED BY SOIL SUPPORT SLAB BOLSTERS.

DO NOT USE THE KEY JOINT FOR SCREEDING. BREAK BOND BETWEEN NEW AND PREVIOUSLY PLACED SLAB BY SPRAYING OR PAINTING THE EXPOSED SIDE OF THE KEY AND DOWEL WITH CURING COMPOUND, ASPHALTIC EMULSION OR FORM OIL. REFER TO GENERAL NOTES, GENERAL SPECIFICATIONS, AND DRAWINGS FOR SUB-FLOOR DRAINAGE

SYSTEM, SUBGRADE PREPARATION AND/OR MUD SLAB AND VAPOR BARRIER REQUIREMENTS.

SUBGRADE SHALL BE FREE OF STANDING WATER AT THE TIME OF CONCRETE PLACEMENT. LONG STRIP CONSTRUCTION METHOD SHALL BE USED IN PLACING CONCRETE FOR ALL SLABS ON GRADE. REFER TO SCHEMATIC PLAN FOR CONCRETE PLACING SEQUENCE.

JOINT SPACING NOTES:

PROVIDE CONTROL AND/OR CONSTRUCTION JOINTS AT EVERY COLUMN LINE AND IN BETWEEN THE COLUMN LINES SUCH THAT THE JOINT SPACING DOES NOT EXCEED 30 TIMES THE SLAB THICKNESS IN INCHES, UNLESS OTHERWISE NOTED, SUBMIT JOINT PLAN FOR ENGINEER'S APPROVAL. FORMED CONTROL JOINT NOTES:

FORM CONTROL JOINTS BY INSERTING PRE-MOLDED STRIP INTO FRESH CONCRETE UNTIL TOP SURFACE OF STRIP IS FLUSH WITH SLAB SURFACE. TOOL SLAB EDGES ROUND ON EACH SIDE OF INSERT.

AFTER CONCRETE HAS CURED, REMOVE INSERTS AND CLEAN GROOVE OF LOOSE DEBRIS.

ALL DOWELS SHALL CONFORM TO ASTM A615. DOWELS SHALL BE CAREFULLY ALIGNED AND SUPPORTED DURING CONCRETING OPERATIONS.

FILLER MATERIAL SHALL HAVE A MINIMUM SHORE HARDNESS OF 35, AND SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED BY A/E PRIOR TO APPLICATION. APPROVED JOINT FILLER IS VULKEM 245 AS MANUFACTURED BY MAMECO INTERNATIONAL OR EUCO QWIK JOINT 200 BY THE EUCLID CHEMICAL COMPANY OR EQUAL.

WHERE POSSIBLE, FILLER MATERIAL SHALL BE APPLIED WHEN BUILDING IS UNDER PERMANENT TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL, OR A MINIMUM OF 90 DAYS AFTER SLAB CONSTRUCTION. FOLLOW STRICTLY THE MANUFACTURER'S RECOMMENDED PROCEDURES FOR APPLYING THE JOINT

SAW CUT CONTROL JOINT NOTES:

MAKE HAND-TOOLED JOINTS AS SOON AS SLAB IS ABLE TO SUPPORT THE WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB. SAW CUT JOINTS ARE TO BE MADE ABSOLUTELY PRIOR TO THE NEXT MORNING AFTER PLACEMENT.

CLEAN JOINT PRIOR TO FILLING JOINT. LOCATE CONTROL JOINTS AT COLUMN LINES. MAXIMUM SPACING BETWEEN CONTROL JOINTS = 30 x SLAB THICKNESS IN INCHES. LOCATE CONTROL JOINTS BETWEEN COLUMNS AS REQ'D.



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PROFESSIONAL OF RECORD: CRAIG E. METZGER NO. 2019031268 EXP DATE: 12/31/23

	REV	DESCRIPTION	DATE
	1	Building Permit Resubmittal	09/15/22

40497-21 Project No.:

Client Project No.:

Checked: CEM

Drawing Title:

TYPICAL DETAILS

PERMIT SET Date: 06.29.2022 Phase: Designed: DMS Drawing No.: Drawn: CLS

TYPICAL CONSTRUCTION / CONTROL JOINT SLAB-ON-GRADE

TENSION SCHEDULE & BAR BENDS