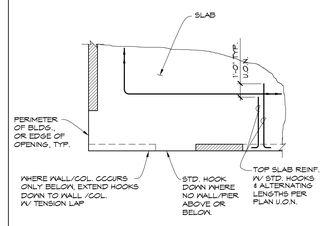
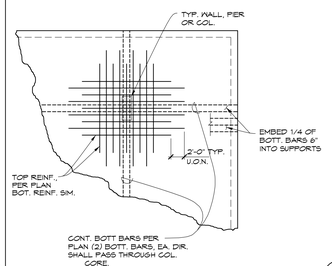
NOT USED (13)

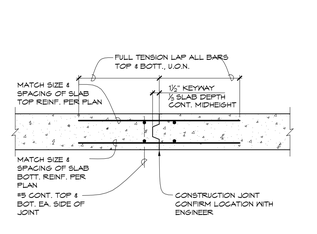


TYP. SLAB EDGE REINF. (7)



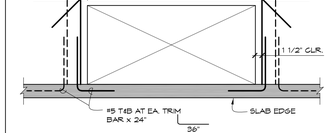
TYP. SLAB LAYOUT (1)

NOT USED (14)



NOTE:
LARGER SLAB PENETRATIONS WITHIN A DISTANCE FROM A COLUMN EQUAL TO TEN TIMES THE SLAB THICKNESS TO BE PROVIDED AND APPROVED BY ENGINEER.

TYP. SLAB PENETRATIONS AT COLUMNS (6" DIA. OR LESS) (8)

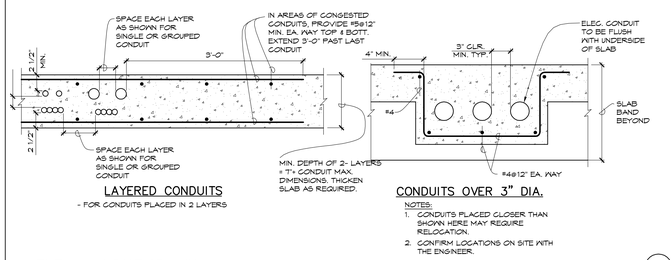


TRIM BARS AT CANTILEVERED SLAB (2)
3300-65

SINGLE CONDUITS
- FOR MORE THAN 4 CONDUITS

GROUPED CONDUITS
- FOR MORE THAN 2 GROUPS OF CONDUITS

CONDUIT	SPACE
3/4"	1 1/2"
1"	1 1/2"
1 1/2"	2 1/4"
2"	3"
3"	4 1/2"



LAYERED CONDUITS
- FOR CONDUITS PLACED IN 2 LAYERS

CONDUITS OVER 3" DIA.

NOTES:
1. CONDUITS PLACED CLOSER THAN SHOWN HERE MAY REQUIRE RELOCATION.
2. CONFIRM LOCATIONS ON SITE WITH THE ENGINEER.

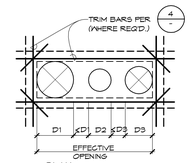
ELEC. CONDUIT SPACING (16)

SECTION AT STUDRAIL

PLAN AT STUDRAIL

LABEL	SLAB THICK (IN.)	NO. OF RAILS PER COL.	NO. OF STUDS PER RAIL	STUD DIAM. (IN.)	STUD SPAC. (S)	DIST. TO FIRST STUD (So)	OVERALL HEIGHT OF RAIL
S1	4"	12	7	1/2"	3 5/8"	3 5/8"	6"
S2	12"	12	7	1/2"	5"	5"	9"
S3	12"	9	30	1/2"	3 1/4"	3 1/4"	9"
S4	12"	6	16	1/2"	2 7/8"	2 7/8"	9"
S5	9"	6	14	1/2"	3 1/4"	3 1/4"	6"
S6	9"	9	28	1/2"	3 1/4"	3 1/4"	6"

(10)



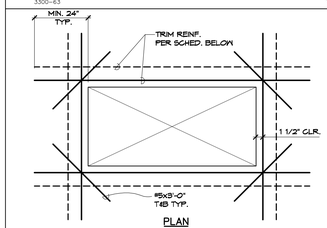
PLAN

PENETRATIONS WHICH ARE CLOSER TO ONE ANOTHER THAN THE DIAMETER OF THE LARGER OF THE TWO ARE CONSIDERED TO FORM A SINGLE EFFECTIVE OPENING.

-IF THE EFFECTIVE OPENING IS 12" OR LESS: NO TRIM BARS ARE REQUIRED.

-IF THE EFFECTIVE OPENING IS MORE THAN 12": TRIM BARS ARE REQUIRED PER 4

TRIM REINFORCING FOR MULTIPLE SLAB PENETRATIONS (3)
3300-63



PLAN

MAX. DIMENSION	TRIM REINF.
TO 12"	NONE
TO 2'-6"	1-#5 T4B, EA. SIDE
2'-6" & LARGER	2-#5 @ 3" O.C. T4B, EA. SIDE

TRIM REINFORCING FOR INTERIOR SLAB PENETRATIONS (4)
3300-62

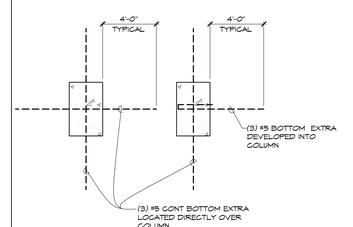
SLAB CONSTRUCTION JOINT (11)

PLAN

MAX. DIMENSION	TRIM REINF.
TO 12"	NONE
TO 2'-6"	1-#5 T4B, EA. SIDE
2'-6" & LARGER	2-#5 @ 3" O.C. T4B, EA. SIDE

TRIM BARS FOR OPENINGS AT SLAB EDGE (5)
3300-64

NOT USED (12)



TYPICAL FLAT SLAB FLOORS (6)

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ISSUED FOR	DATE
BID PK #1 100 DD	10.06.08
50% PROGRESS	10.24.08
CD-2 CODE REVIEW	11.17.08
BD PK #1 80 CD	12.01.08
BD PK #1 100 CD	02.16.09
BD PK #2 100 CD	03.26.09
100% CD	05.08.09

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TYPICAL CONCRETE DETAILS

DRAWN BY:

PROJECT #: 208005.000

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S1202

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Date: May 05, 2009 - 4:17pm
SCALE: 1"=1" OFFICE Alex