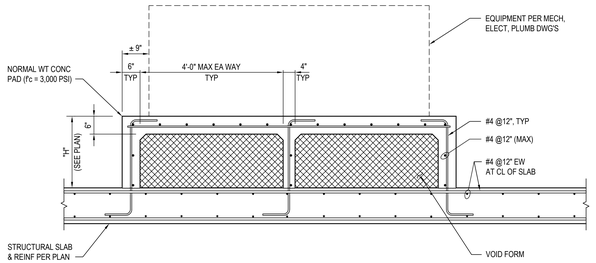
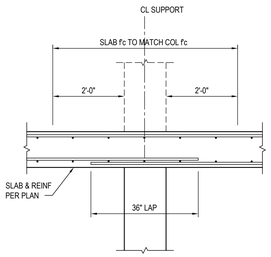
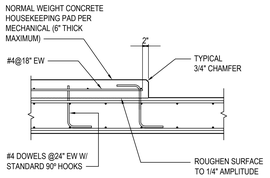


TYPICAL BUILT-UP EQUIPMENT PAD | 24

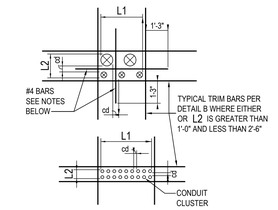


TYPICAL SLAB NEAR COLUMN DETAIL | 20



CONC-SLAB-0007

TYPICAL MECHANICAL PAD OVER ELEVATED CONCRETE SLAB DETAIL | 16

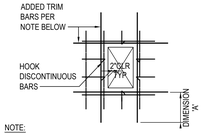


NOTES:
1. WHERE cd (CLEAR DISTANCE) IS EQUAL TO OR GREATER THAN SLAB THICKNESS, PROVIDE TYPICAL CONTINUOUS SLAB REINFORCING BETWEEN OPENINGS.
2. WHERE cd (CLEAR DISTANCE) IS LESS THAN SLAB THICKNESS and GREATER THAN OR EQUAL TO 4", PROVIDE (1)#4 BAR TOP AND BOTTOM AS SHOWN ABOVE.

OPENINGS FOR PIPES and CONDUITS (C)

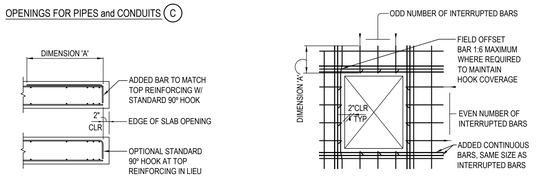
DIMENSION 'A' (4000 PSI CONCRETE)							
TOP OR BOTTOM BARS *	#3	#4	#5	#6	#7	#8	#9
TOP	1'-6"	2'-0"	2'-6"	3'-4"	4'-6"	8'-6"	10'-9"
BOTTOM	1'-4"	1'-7"	2'-3"	2'-7"	3'-6"	6'-6"	8'-3"

* USE TOP BARS WHERE MORE THAN 1'-0" OF CONCRETE IS CAST BELOW HORIZONTAL BARS.



NOTE:
1. PROVIDE #5 TRIM BARS TOP and BOTTOM ALL FOUR SIDES WHERE TYPICAL SLAB REINFORCING USES #5 BARS OR LESS. PROVIDE #6 TRIM BARS TOP and BOTTOM ALL FOUR SIDES WHERE TYPICAL SLAB REINFORCING USES #6 BARS OR GREATER

OPENINGS TO 30" MAXIMUM (B)



NOTES:
1. LOCATE OPENINGS ON REBAR SHOP DRAWINGS.
2. DO NOT LOCATE OPENINGS IN SLABS CLOSER THAN 10 TIMES SLAB THICKNESS FROM FACE OR CORNER OF COLUMN UNLESS ACCEPTABLE IN WRITING BY ARCHITECT (STRUCTURAL ENGINEER).

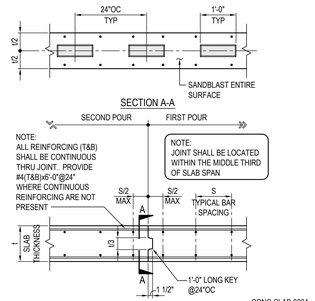
EDGE OF OPENING DETAIL

NOTES:
1. WHERE EVEN NUMBER OF BARS ARE INTERRUPTED, ADD HALF THE NUMBER OF EVEN BARS TO EACH SIDE OF OPENING. WHERE ODD ODD NUMBER OF BARS ARE INTERUPTED, ADD ONE AND ADD HALF THE NUMBER OF EVEN BARS TO EACH SIDE OF OPENING.
2. PROVIDE REINFORCING WHERE SHOWN ON PLANS AT OPENINGS IN LIEU OF REINFORCING DETAILED ABOVE.

INTERRUPTED BAR LAYOUT OPENINGS GREATER THAN 30" (A)

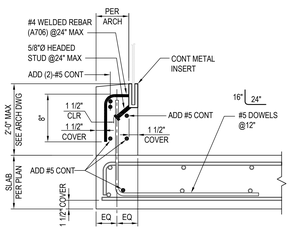
CONC-SLAB-0003

TYPICAL OPENINGS IN ELEVATED CONCRETE SLAB DETAIL | 7



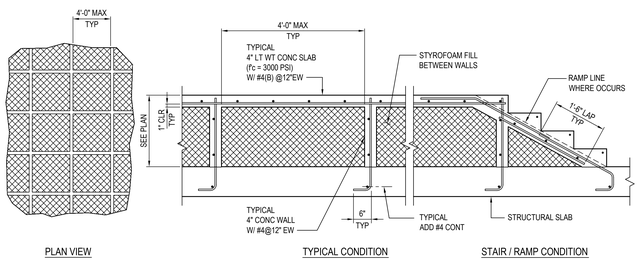
CONC-SLAB-0004

TYPICAL ELEVATED CONCRETE SLAB CONSTRUCTION JOINT DETAIL | 4



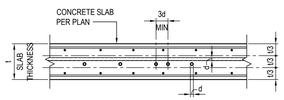
1 1/2"=1'-0"

DETAIL | 22



CONC-SLAB-0008

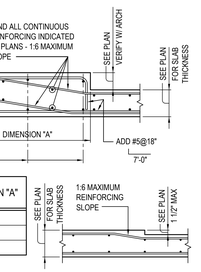
TYPICAL BUILT-UP CONCRETE SLAB DETAIL | 19



NOTES:
1. CONDUITS OR PIPES DIAMETER (d) SHALL BE 1" MAXIMUM AND SHALL NOT BE PLACED IN MORE THAN 2 LAYERS.
2. CONDUITS OR PIPES SHALL BE SPACED NOT CLOSER THAN 3d ON CENTER OF THE LARGEST ADJACENT CONDUIT OR PIPE.
3. CONDUITS OR PIPES SHALL BE PLACED COMPLETELY WITHIN THE MIDDLE THIRD OF THE SLAB THICKNESS.
4. CONDUITS OR PIPES SHALL BE UNCOATED OR GALVANIZED IRON OR STEEL, AND SHALL BE SCHEDULE 40 STEEL PIPE OR THICKER.
5. CONDUITS OR PIPES SHALL BE INSTALLED SO THAT CUTTING, BENDING OR DISPLACEMENT OF SLAB REINFORCING WILL NOT BE REQUIRED.
6. MINIMUM CONCRETE COVER REQUIREMENTS FOR CONDUITS OR PIPES:
   A. CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND.....1 1/2" MIN
   B. CONCRETE NOT EXPOSED TO WEATHER OR NOT IN CONTACT WITH GROUND.....3/4" MIN

CONC-SLAB-0006

TYPICAL CONDUITS OR PIPES EMBEDDED IN CONCRETE SLAB | 15



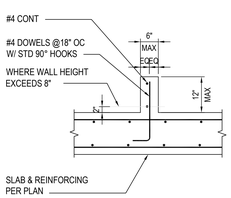
DEPRESSION DEPTH	DIMENSION "A"
> 1 1/2" ≤ 3"	2'-0"
> 3" ≤ 6"	3'-6"
> 6" ≤ 9"	5'-0"

DEPRESSION GREATER THAN 1 1/2"

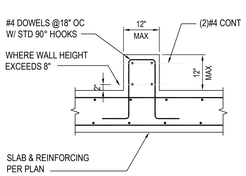
TYPICAL DEPRESSION (1 1/2" MAX)

CONC-SLAB-0005

TYPICAL ELEVATED CONCRETE SLAB DEPRESSION DETAILS | 3

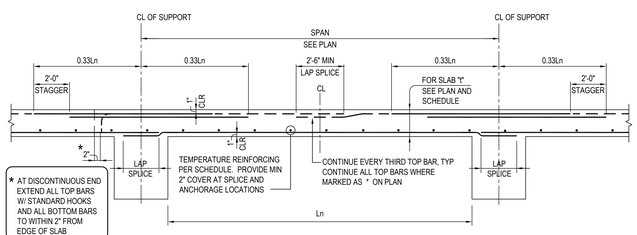


CURB WIDTH 6" OR LESS



CURB WIDTH GREATER THAN 6"

TYPICAL CONC CURB DETAIL AT ELEVATED SLAB | 21



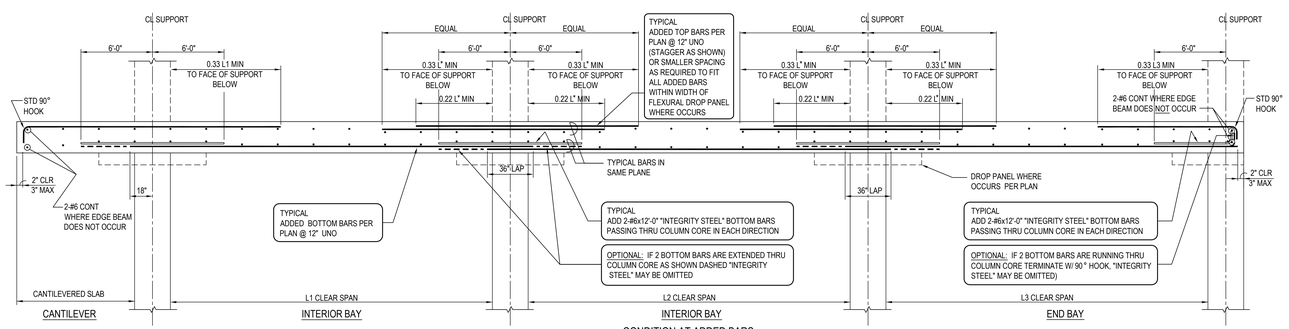
SLAB PROFILE

SLAB SCHEDULE					
MARK	THICKNESS	TOP REINF	BOTTOM REINF	TEMPERATURE REINF (BOTTOM BARS)	REMARKS
S1	6 1/2"	#5@6"	#5@9"	#4@12"	
S2	8"	#5@12"	#5@12"	#4@12"	
S3	8"	#5@9"	#5@12"	#4@12"	
S4	8"	#5@6"	#5@9"	#4@12"	
S5	10"	#5@9"	#5@12"	#4@9"	
S6	10"	#5@9"	#5@9"	#4@9"	
S7	10"	#6@9"	#6@9"	#4@9"	
S8	10"	#6@6"	#6@6"	#4@9"	
S9	12"	#6@9"	#6@9"	#4@9"	
S10	11"	#6@6"	#6@6"		

NOTE:
AT SUPPORTS, WHERE TWO DIFFERENT SLAB TYPES MEET, AREA OF STEEL FOR TOP BARS SHOULD BE LARGER OF THE TWO SLAB TYPES.

CONC-SLAB-0002

TYPICAL ELEVATED ONE WAY CONCRETE SLAB PROFILE AND SCHEDULE | 17



NOTE:
1. L* IS THE GREATER OF THE TWO(2) ADJACENT CLEAR SPANS.
2. "INTEGRITY STEEL" ARE NOT SHOWN ON REINFORCING PLANS BUT SHALL BE PROVIDED AS SHOWN ABOVE.
3. FOR HOOKED BARS, LENGTH INDICATED ON PLAN DOES NOT INCLUDE HOOK.

CONC-SLAB-0001 (REV-1)

TYPICAL ELEVATED TWO WAY CONCRETE SLAB PROFILES | 1

NUMBER	DATE	DESCRIPTION
0	05/07/2015	Addendum 02
1	06/26/2015	Addendum 03
2	10/30/2015	Addendum 04
3	05/27/2016	Addendum 05

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Facsimile 626.304.3626
SB Job No: 13402

710 WILSHIRE BOULEVARD
MIXED-USE HOTEL PROJECT
SANTA MONICA - CALIFORNIA 90401

TYPICAL CONCRETE DETAIL, ELEVATED SLABS

REGISTERED PROFESSIONAL ENGINEER
SAIFUL BOUQUET
C 051
EXP. 09/30/16
STRUCTURAL
STATE OF CALIFORNIA

DRAWN –
CHECKED ED
APPROVED MD
SCALE NTS
SHEET S-013
DATE June 25, 2013
PROJECT NUMBER HLA 0000000–00000