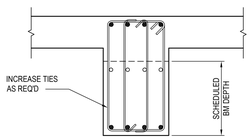
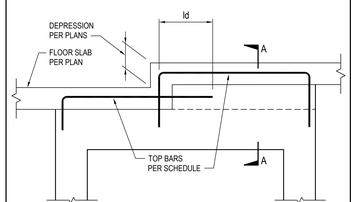


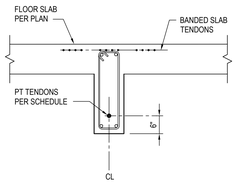
NOTE:
INCREASE BEAM DEPTH AND
STEP REINFORCING AS SHOWN
WHERE DEPRESSION OCCURS

SECTION A-A



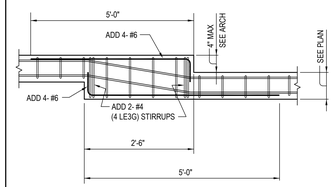
NTS

TYPICAL SECTION AT DEPRESSION
IN CONCRETE BEAM | 19



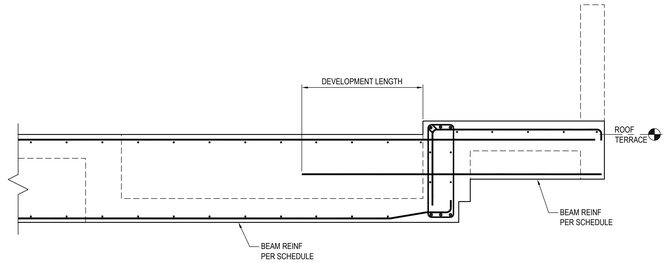
NTS

TYPICAL BEAM SECTION WHERE
BANDED SLAB TENDONS OCCURS | 16

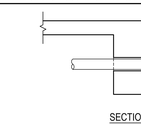


NTS

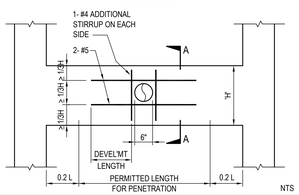
TYPICAL DETAIL AT DROP FOR BEAM (4" MAX) | 12



DETAIL AT CHANGE IN ELEVATION FOR BEAM | 4

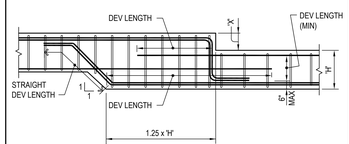


SECTION A-A



NTS

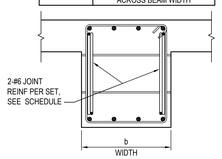
TYPICAL DETAIL FOR PIPE PENETRATION
THROUGH RC BEAM | 15



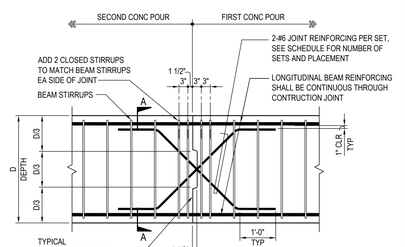
NTS

TYPICAL DETAIL FOR BEAMS AT DROPS (4" < X < 12") | 11

SCHEDULE	
BEAM WIDTH b	JOINT REINFORCING
b ≤ 8"	1 SET PLACE IN THE MIDDLE OF BEAM
8 < b ≤ 24"	1 SET EA SIDE OF BEAM
24 < b ≤ 40"	2 SETS EA SIDE OF BEAM (PLACE SETS @3" AT EA SIDE)
b > 40	1 SET @12" ACROSS BEAM WIDTH



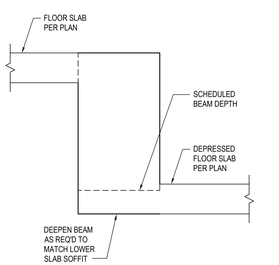
SECTION A-A



BEAM ELEVATION

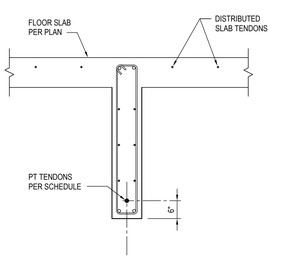
TYPICAL CONCRETE BEAM CONSTRUCTION JOINT DETAIL | 3

CONC-BEAM-0002



NTS

TYPICAL SECTION AT DEEPENED BEAM
AT DEPRESSED FLOOR SLAB | 18



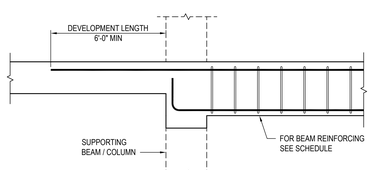
NTS

TYPICAL BEAM SECTION WHERE
DISTRIBUTED SLAB TENDONS OCCURS | 17

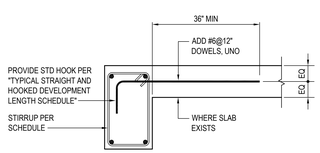
CONFIGURATION 1 CONFIGURATION 2 CONFIGURATION 3

NOTES:
1. CONFIGURATION 1, 2 AND 3 MAY BE USED WHERE SLAB OCCURS ON EACH SIDE AT TOP OF BEAM.
2. CONFIGURATION 1, 2 AND 3 MAY BE USED WHERE SLAB OCCURS ON ONE SIDE AT TOP OF BEAM. THE 90° HOOK SHALL BE PLACED ON THE SLAB SIDE.
3. CONFIGURATION 1 AND 2 MAY BE USED WHERE NO SLAB OCCURS AT TOP OF BEAM INCLUDING UPTURNED BEAM UNLESS NOTED OTHERWISE.
4. FOR STANDARD HOOK AND BEND DETAILS, SEE "TYPICAL STRAIGHT AND HOOKED DEVELOPMENT LENGTH SCHEDULE"
5. PLACE FIRST STIRRUP AT 2" FROM FACE OF SUPPORT.

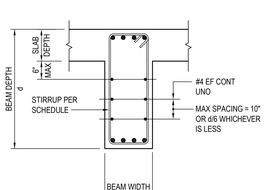
ACCEPTABLE STIRRUPS CONFIGURATION: (E)



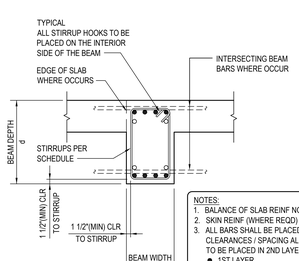
TYP DETAIL FOR TERMINATION OF BEAM REINFORCEMENT
WHERE SLAB CONTNUE BEYOND END OF BEAAM: (F)



TYPICAL ADDED DOWELS AT PERIMETER
BEAM CONNECTED TO SHEAR WALL (D)

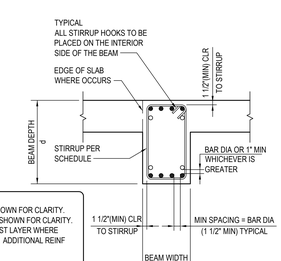


TYPICAL ADDED SKIN REINFORCEMENT
WITH BEAM DEPTH GREATER THAN 36" (C)



NOTES:
1. BALANCE OF SLAB REINF NOT SHOWN FOR CLARITY.
2. SKIN REINF (WHERE REQD) NOT SHOWN FOR CLARITY.
3. ALL BARS SHALL BE PLACED IN 1ST LAYER WHERE CLEARANCES / SPACING ALLOW. ADDITIONAL REINF TO BE PLACED IN 2ND LAYER:
   - 1ST LAYER
   - 2ND LAYER
4. PROVIDE MIN #5 CONT AT CORNER OF ALL STIRRUPS.

TYPICAL BEAM (GIRDER)
SUPPORTING SECTION (B)



TYPICAL BEAM SECTION (A)

CONC-BEAM-0001 (REV-1)(REV-2)

TYPICAL CONCRETE BEAM DETAILS | 1

howard laks architects
1545 twelfth street
santa monica, ca 90401
voice 310-393-4405
fax 310-393-2230

CONSULTANTS

saiful bouquet
structural engineers
3345 La Jolla Avenue
San Diego, California 92161
Telephone 619.264.3414
Facsimile 619.264.3424
SB Job No: 13062

NO	DATE	REVISIONS
1	05/07/2015	Addendum 02
2	08/28/2015	Addendum 03
3	10/30/2015	Addendum 04
4	05/27/2016	Addendum 05

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

TYPICAL CONCRETE DETAIL REINFORCING

REGISTERED PROFESSIONAL ENGINEER
SAIFUL BOUQUET
No. 4551
EXP. 09/30/15
STRUCTURAL
STATE OF CALIFORNIA

DRAWN: –
CHECKED: ED
APPROVED: MD
SCALE: NTS
SHEET: S-610
DATE: June 25, 2013
PROJECT NUMBER: HLA 00000000–00000