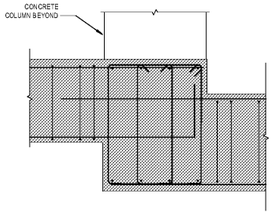


4 TYPICAL STEP IN BEAM DETAIL
3/4" = 1'-0"

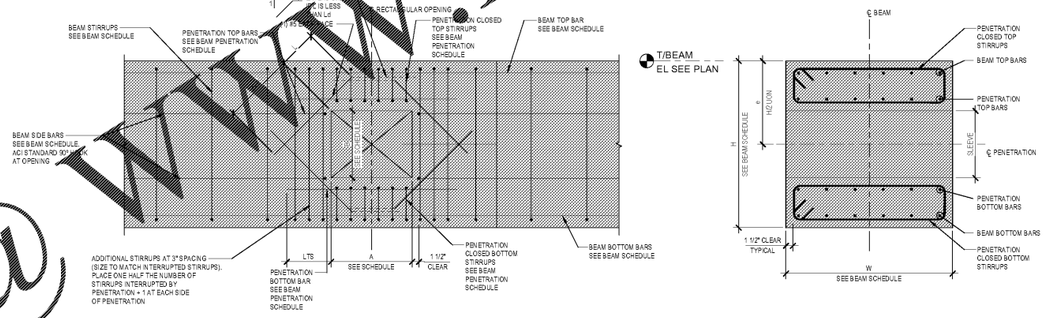
CONCRETE BEAM PENETRATION SCHEDULE

MARK	SIZE A (IN)	SIZE B (IN)	SIZE DIA (IN)	SIZE e (IN)	REINFORCEMENT TOP BARS	REINFORCEMENT BOTTOM BARS	REINFORCEMENT TOP STIRRUPS	REINFORCEMENT BOTTOM STIRRUPS	REINFORCEMENT DIAGONAL BARS AT CIRCULAR PENETRATION	REMARKS	
0	-	-	8	3"	6 #5	6 #5	#4@ 3"	#4@ 3"	#	4	X
1	1	6	-	3"	6 #5	6 #5	#4@ 3"	4 LEG, #4@3"		4	X
2	2										X

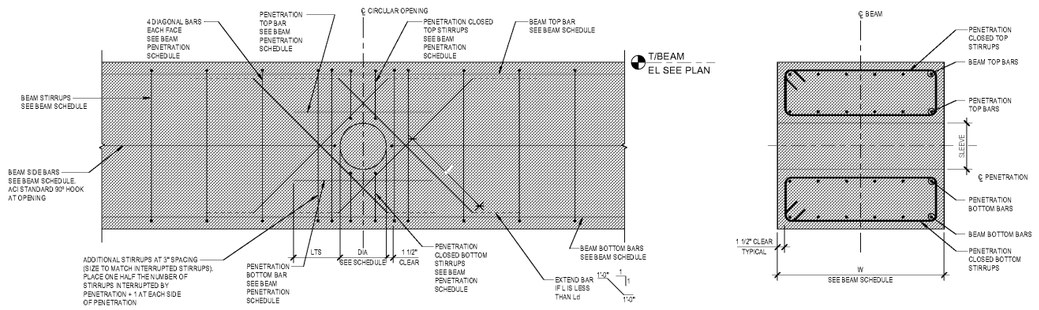
NOTES:

1. SEE TYPICAL CONCRETE BEAM WITH CIRCULAR PENETRATION AND TYPICAL CONCRETE BEAM WITH RECTANGULAR PENETRATION DETAILS.
2. ALL BEAM PENETRATIONS SHALL BE SHOWN ON THE SHOP DRAWINGS FOR REVIEW BY THE ARCHITECT/ENGINEER. NO PENETRATIONS SHALL BE MADE WITHOUT PRIOR REVIEW BY THE ARCHITECT AND WRITTEN APPROVAL FROM THE EOR.
3. THESE DETAILS SHALL BE USED IN CONJUNCTION WITH THE CONCRETE BEAM PENETRATION SCHEDULE.
4. THE MINIMUM CLEAR DIMENSION BETWEEN TWO ADJACENT PENETRATIONS SHALL BE GREATER OF THE LARGEST PENETRATION DIMENSION OR TWO TIMES THE BEAM DEPTH.
5. THE MINIMUM CLEAR DIMENSION BETWEEN THE EDGE OF A PENETRATION AND THE FACE OF SUPPORT EDGE OF SUPPORTING BEAM, OR POINT LOAD IMPOSED SHALL BE THE BEAM DEPTH.
6. SEE STRUCTURAL DRAWINGS FOR PENETRATIONS. GENERAL CONTRACTOR SHALL VERIFY QUANTITY, SIZE, AND LOCATION OF ALL PENETRATIONS WITH MEP DRAWINGS. NOTIFY EOR IN WRITING OF ANY DISCREPANCIES FOR REVIEW AND ADDITIONAL.
7. THE ADDITIONAL REINFORCEMENT SHOWN HEREON IS NOT REQUIRED FOR OPENINGS 6"Ø OR SMALLER PROVIDED NO BEAM REINFORCEMENT IS INTERRUPTED
AND MINIMUM CONCRETE COVER IS PROVIDED AROUND ALL BARS. IT IS ACCEPTABLE TO ADJUST BEAM REINFORCEMENT WITHING MAXIMUM SPACING LIMITS FOR STIRRUPS AND BARS.

3 CONCRETE BEAM PENETRATION SCHEDULE
1" = 1'-0"



2 RECTANGULAR PENETRATION IN CONCRETE BEAM DETAIL
1" = 1'-0"



1 CIRCULAR PENETRATION IN CONCRETE BEAM DETAIL
1" = 1'-0"

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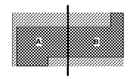

Professional Seals

NOT FOR CONSTRUCTION

No.	Description	Date
1	DD - GMP	2019.07.03

Project No: 18.16013.00

Sheet Title
TYPICAL BEAM DETAILS

Original is 30 x 42. Do not scale contents of this drawing.

Sheet Number
S522