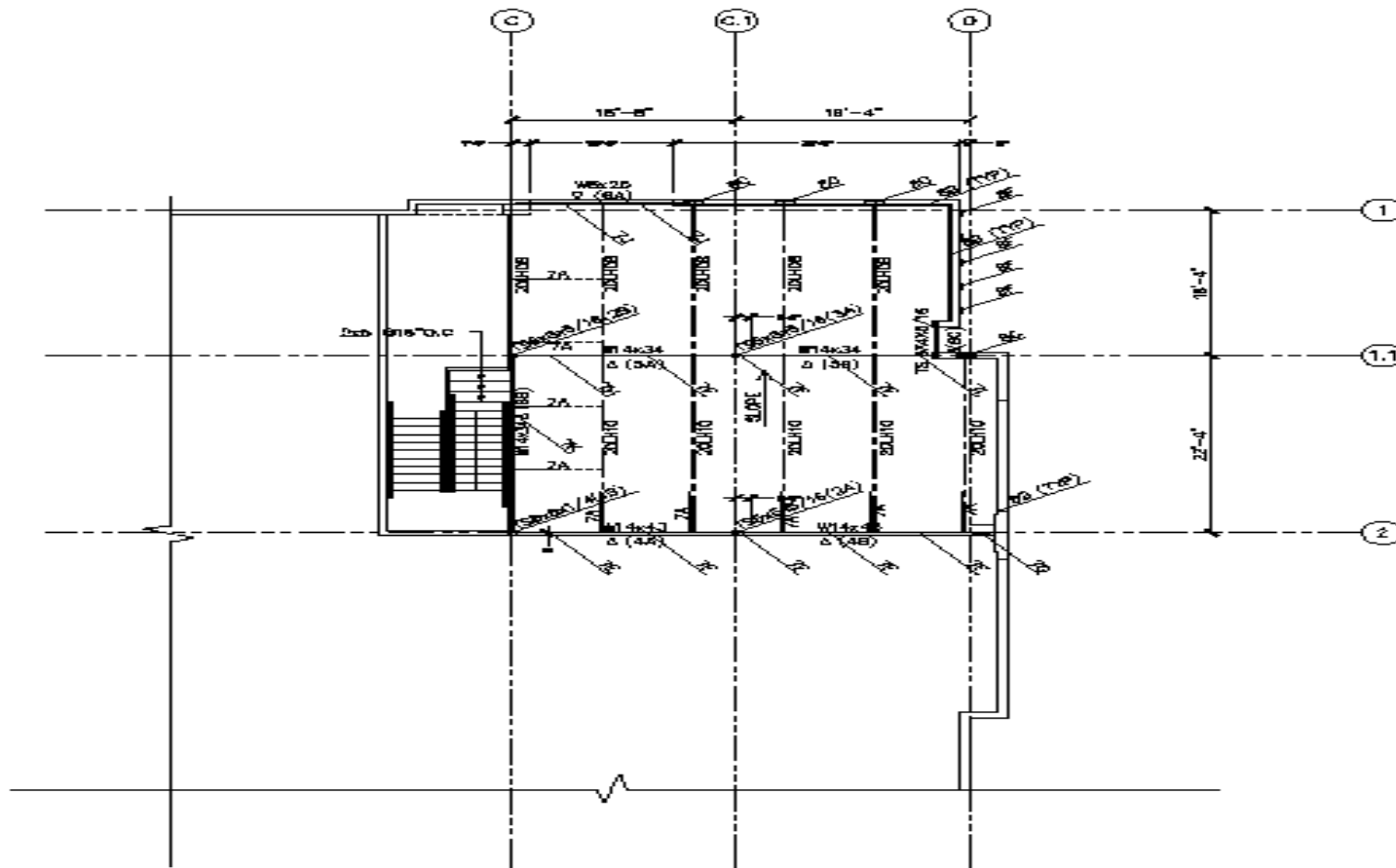


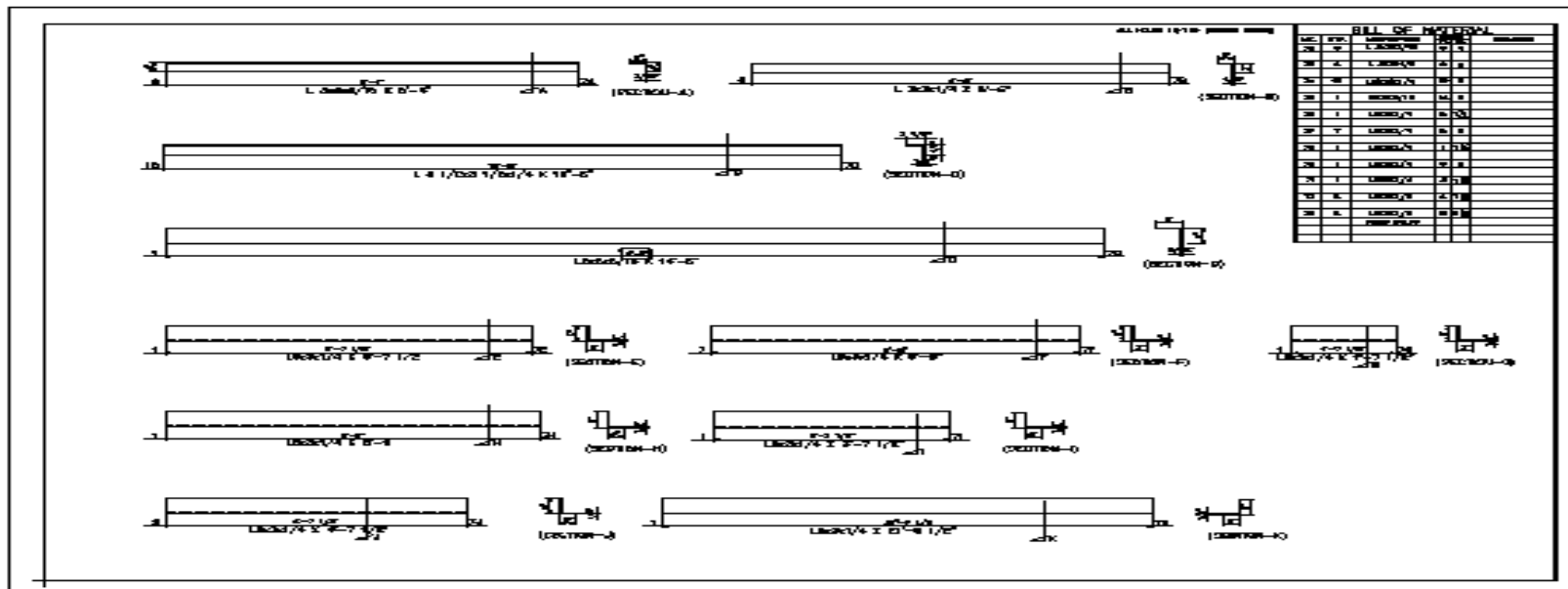
2D Drafting – Framing Layout



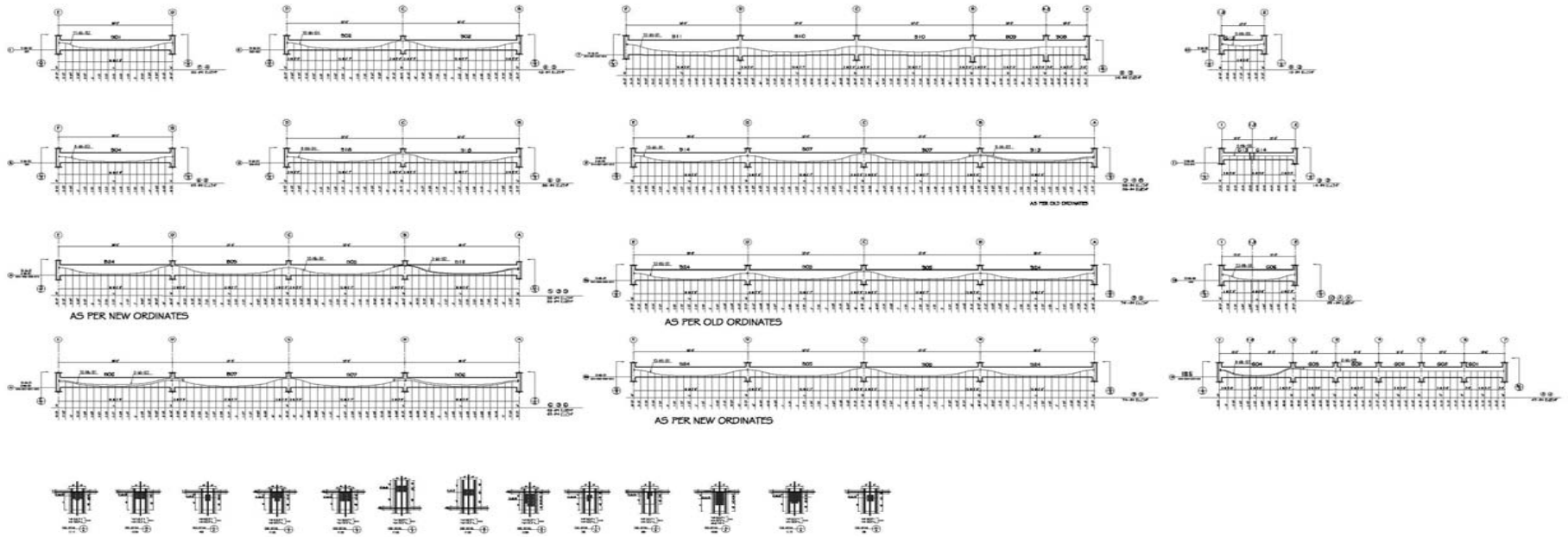
MEZZANINE FLOOR FRAMING PLAN
TOP OF FINISH FLOOR ELEVATION 13'-4"



Shop Drawings – Beam Elevation

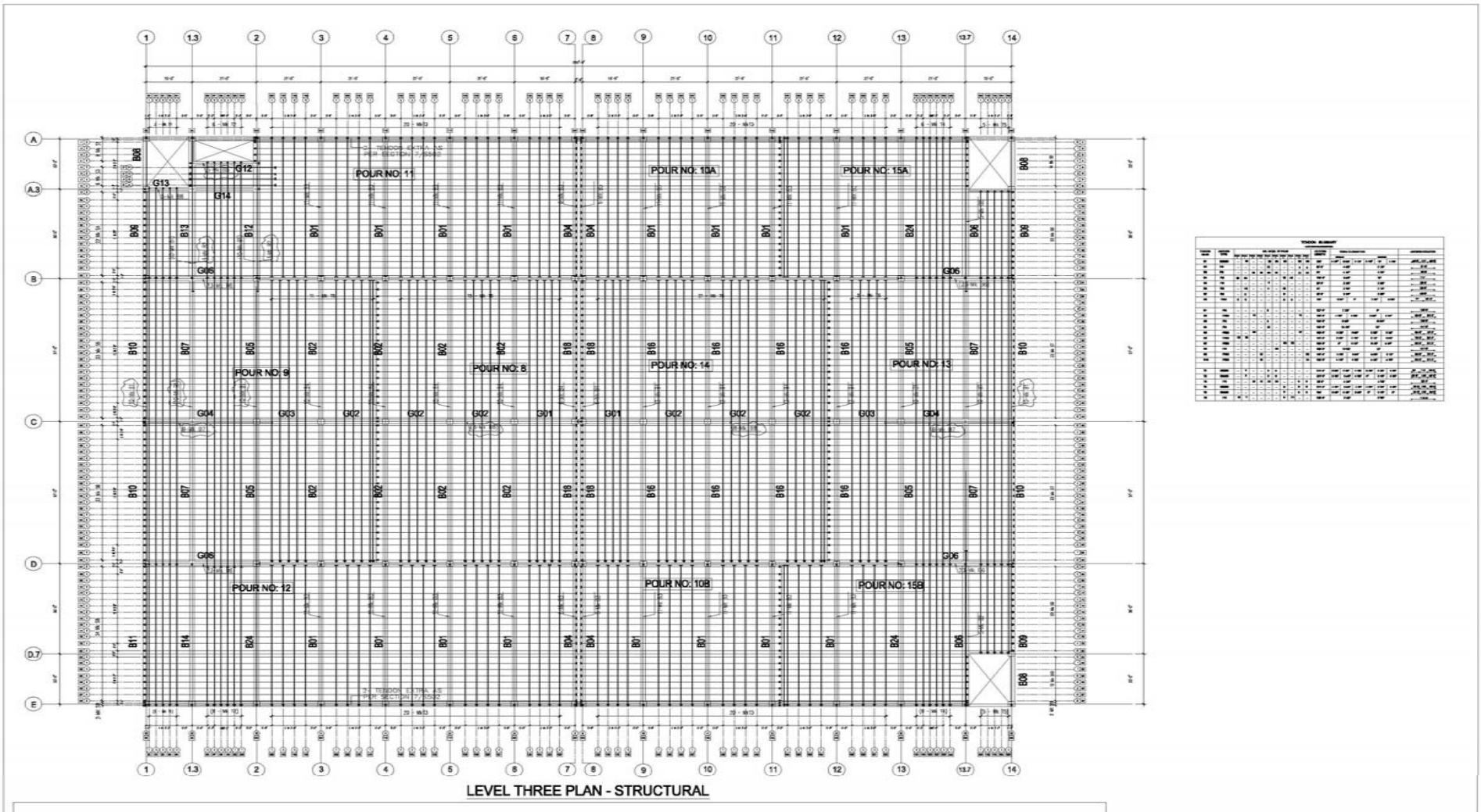


Rebar Detailing – Beam L.S.



POST TENSIONING DETAILS
THIRD FLOOR SLAB LEVEL

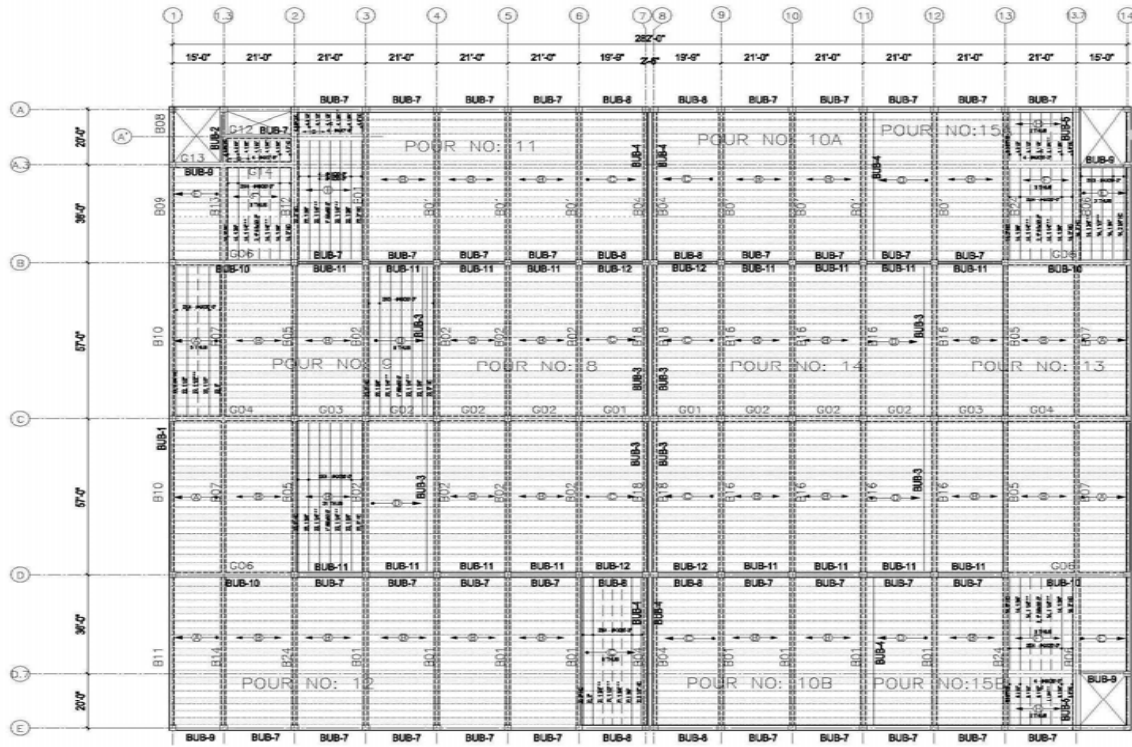
Rebar Detailing – Post Tensioning Detail



NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
1	REBAR	1000	M	
2	POST TENSIONING	500	M	
3	CONCRETE	2000	M ³	
4	FORMWORK	1000	M ²	
5	STEEL	500	M	
6	BRICK	1000	M ³	
7	CEMENT	1000	M	
8	SAND	1000	M ³	
9	AGGREGATE	1000	M ³	
10	PAINT	1000	M ²	
11	GLASS	1000	M ²	
12	DOOR	1000	M ²	
13	WINDOW	1000	M ²	
14	ROOFING	1000	M ²	
15	MECHANICAL	1000	M ²	
16	ELECTRICAL	1000	M ²	
17	PLUMBING	1000	M ²	
18	AC	1000	M ²	
19	HEATING	1000	M ²	
20	INSULATION	1000	M ²	

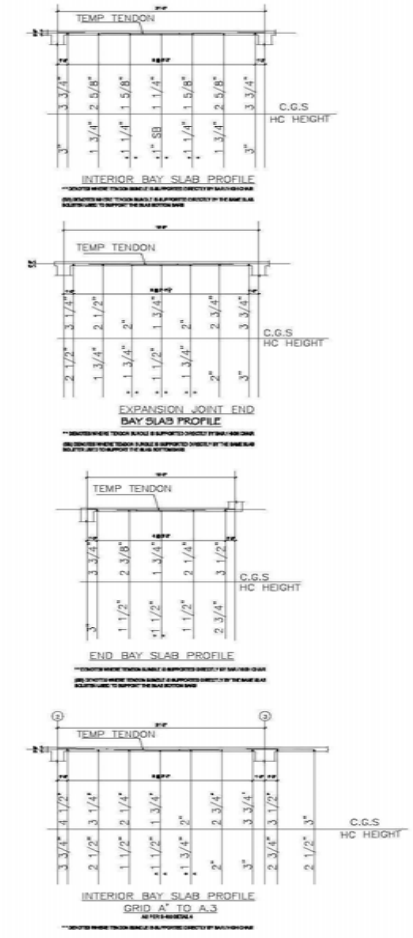
POST TENSIONING DETAILS
THIRD FLOOR SLAB LEVEL

Rebar Detailing – Tendon Support Detail



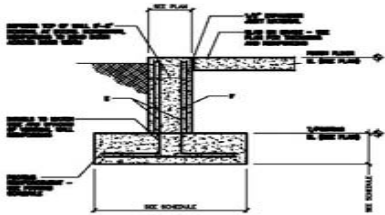
TOP TIER SLAB TENDON SUPPORT PLAN

- SUB-1 = 2 x 7 #4 x 30'-0"
- = 2 x 1 #4 x 25'-0"
- SUB-2 = 2 #4 x 21'-0"
- SUB-3 = 2 x 2 #4 x 30'-0"
- SUB-4 = 2 x 2 #4 x 30'-0"
- SUB-5 = 2 #4 x 20'-0"
- SUB-6 = 2 x 7 #4 x 30'-0"
- = 2 x 1 #4 x 25'-0"
- SUB-7 = 2 #4 x 14'-0"
- SUB-8 = 2 #4 x 13'-0"
- SUB-9 = 2 #4 x 12'-0"
- SUB-10 = 2 x 2 #4 x 20'-0"
- SUB-11 = 2 #4 x 14'-0"
- SUB-12 = 2 #4 x 13'-0"
- SUB-13 = 2 #4 x 11'-0"

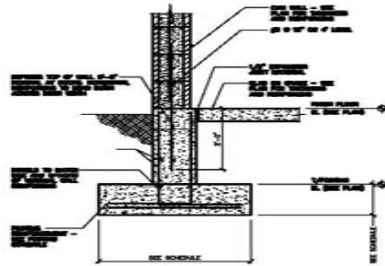


POST TENSIONING DETAILS
THIRD FLOOR SLAB LEVEL

Design and Drafting – Foundation Details



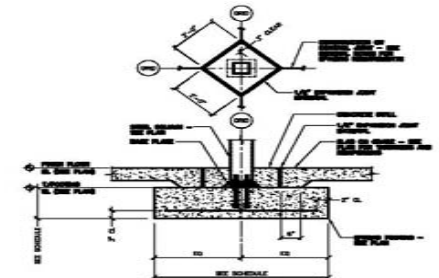
TYPICAL FOUNDATION WALL ①



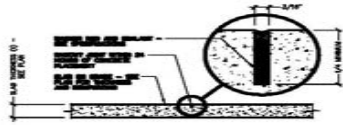
TYPICAL FOUNDATION WITH CMU WALL ②



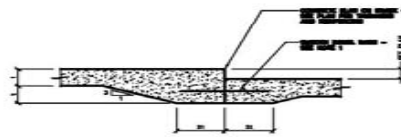
TYPICAL SLAB ON GRADE SECTION ③



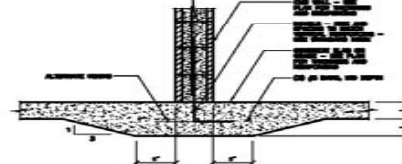
TYPICAL SPREAD FOOTING ④



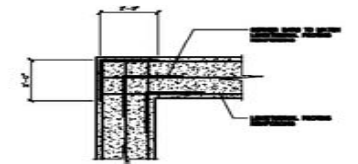
TYPICAL SLAB ON GRADE CONTROL JOINT ⑤



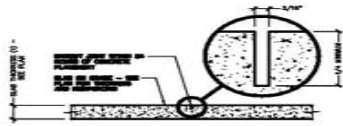
TYPICAL DEPRESSED SLAB ⑥



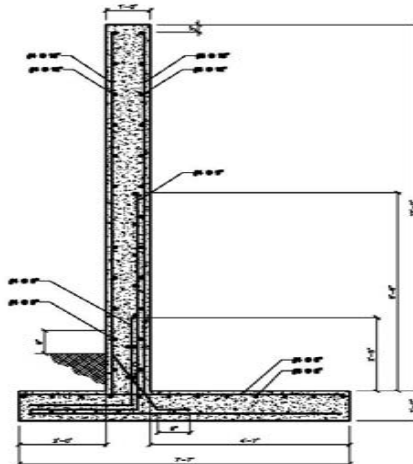
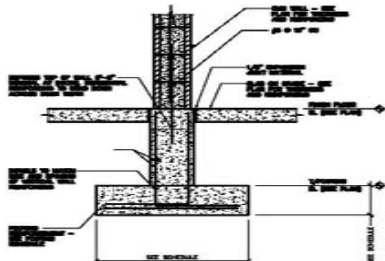
TYPICAL THICKENED SLAB ⑦



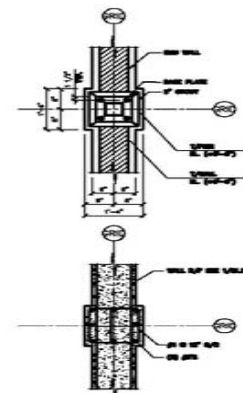
TYPICAL FOOTING CORNER BARS ⑧



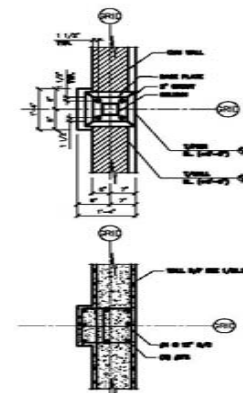
TYPICAL FOUNDATION WITH CMU WALL ⑩



RETAINING WALL ⑪



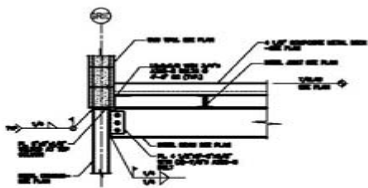
TYPICAL PIER DETAIL P1 ⑫



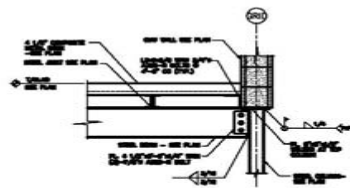
TYPICAL PIER DETAIL P2,P3 ⑬

FOUNDATION DETAILS

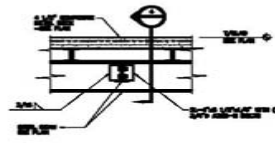
Design and Drafting – Mezzanine Details



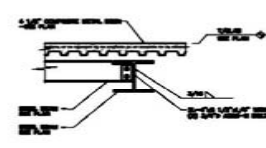
1 BEAM-COLUMN CONNECTION DETAIL



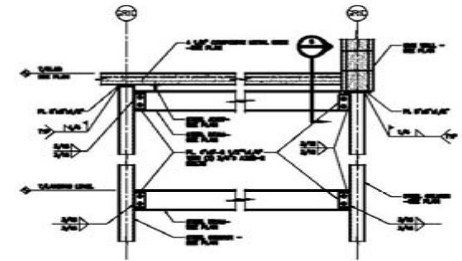
2 BEAM-COLUMN CONNECTION DETAIL



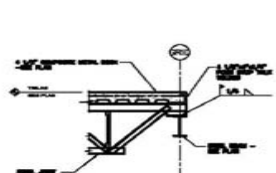
3 BEAM TO BEAM CONNECTION DETAIL



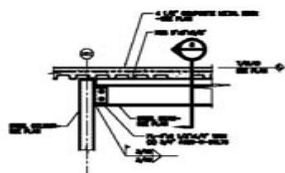
4 BEAM TO BEAM CONNECTION DETAIL



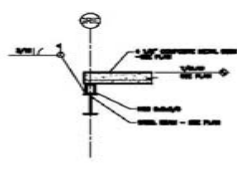
5 BEAM COLUMN FRAMING DETAIL



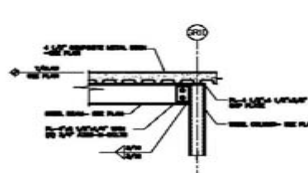
6 JOIST BEARING CONNECTION DETAIL



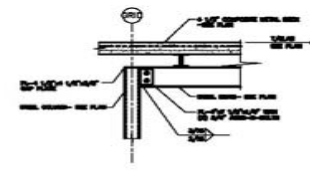
7 BEAM-COLUMN CONNECTION DETAIL



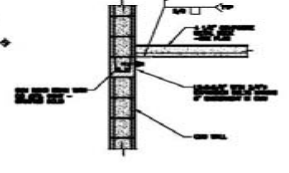
8 SECTION



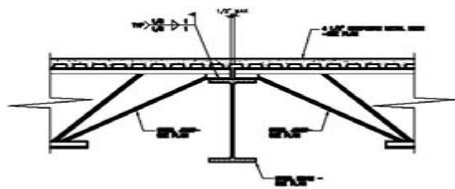
9 SECTION



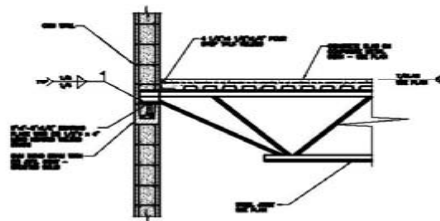
10 SECTION



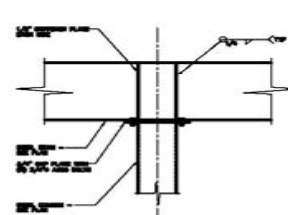
15 TYPICAL DECK SUPPORT AT MASONRY



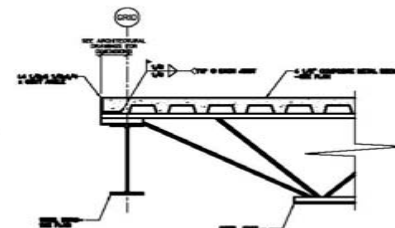
11 TYPICAL FLOOR JOIST BEARING DETAIL



12 TYPICAL SLAB EDGE DETAIL



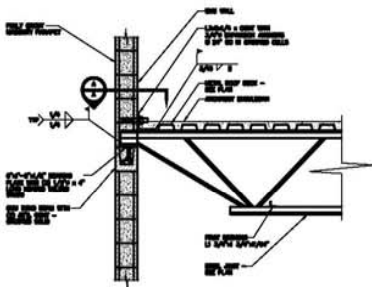
13 TYPICAL BEAM BEARING ON COLUMN



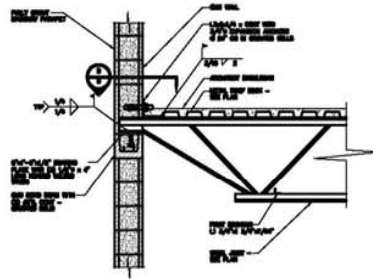
14 TYPICAL SLAB EDGE DETAIL

MEZZANINE DETAIL

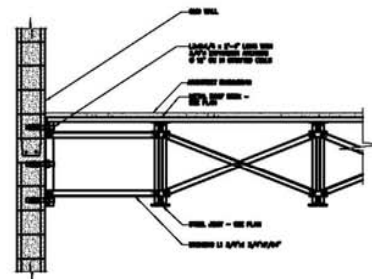
Design and Drafting – Roof Details



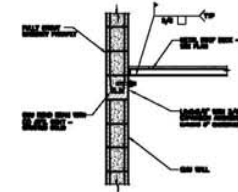
1 ROOF JOIST BEARING ON MASONRY



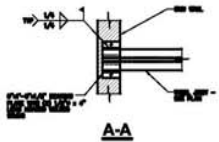
2 ROOF JOIST BEARING ON MASONRY



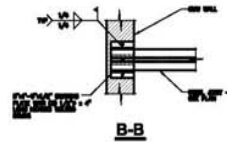
3 TYPICAL CROSS BEARING DETAIL



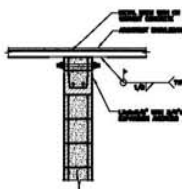
4 ROOF DECK SUPPORT AT MASONRY



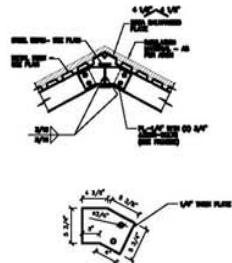
A-A



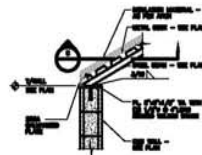
B-B



5 TYPICAL ROOF JOIST BEARING ON MASONRY



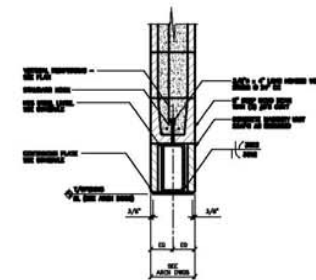
6 DETAILS



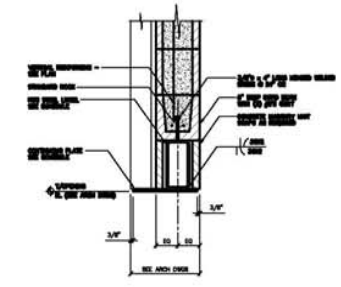
7 SECTION



DETAILS C-C



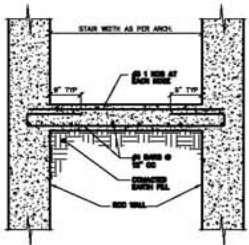
8 LINTEL DETAIL



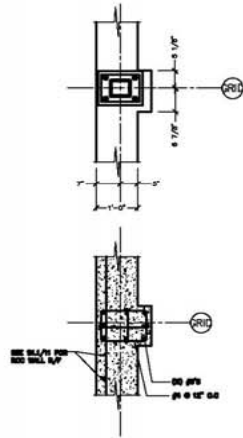
9 LINTEL DETAIL

ROOF DETAILS

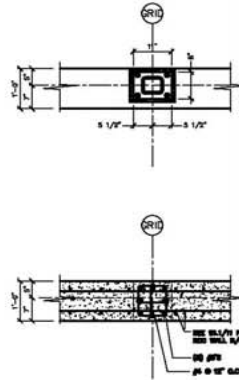
Design and Drafting – Stair Details



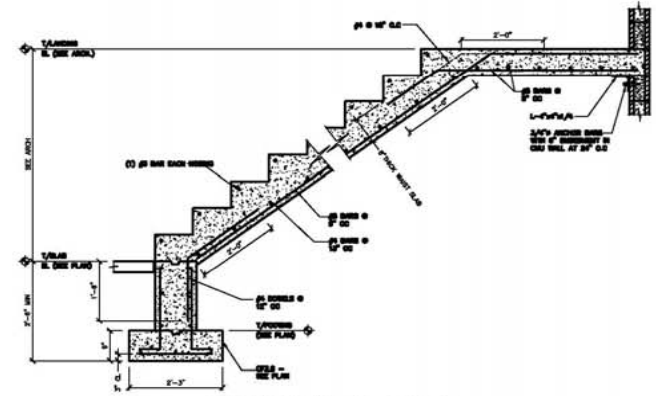
STAIR DETAIL 14



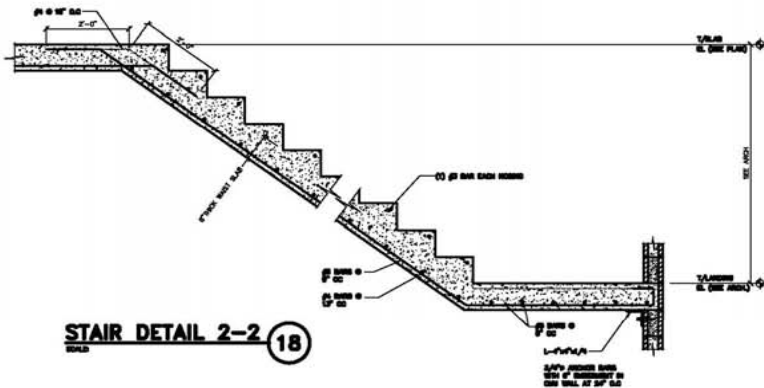
TYPICAL PIER DETAIL P4



TYPICAL PIER DETAIL P5



STAIR DETAIL 1-1



STAIR DETAIL 2-2

STAIR DETAILS

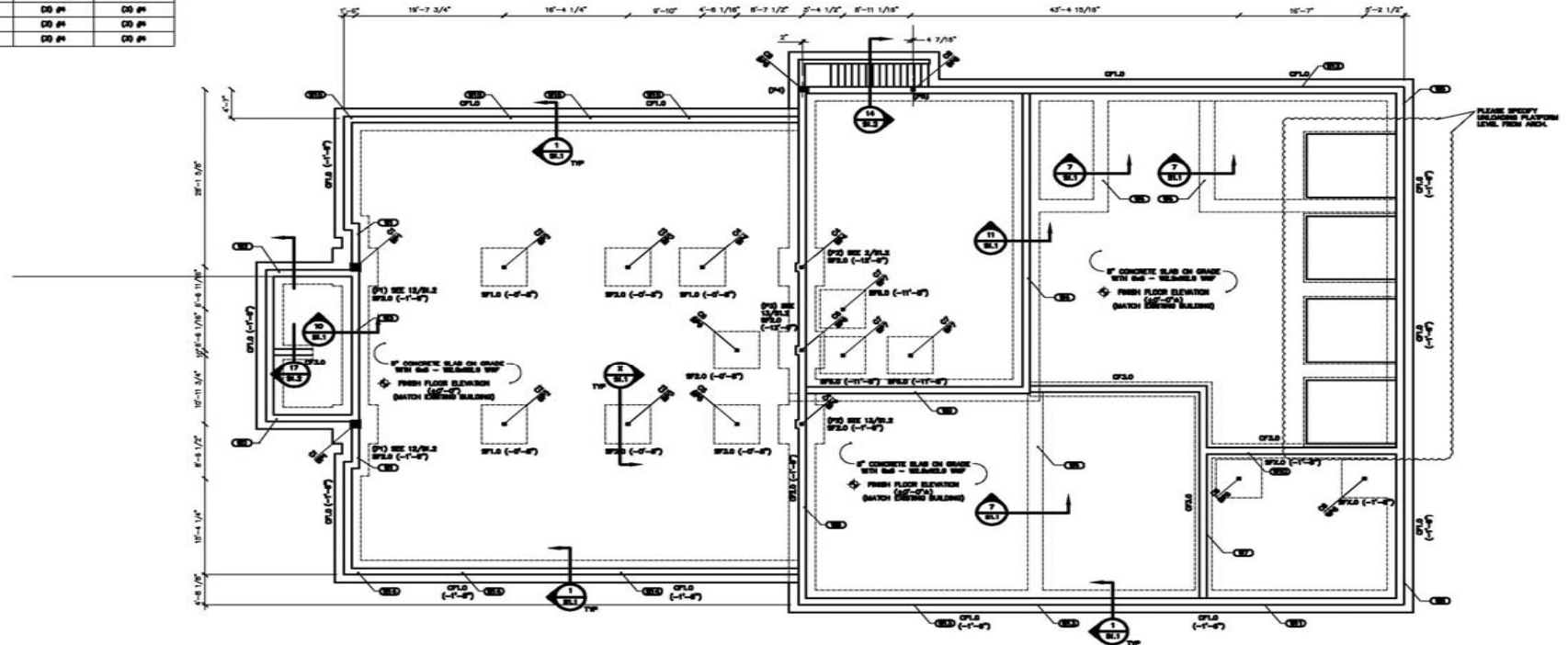
Design and Drafting – Foundation Plan

CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCE	
			LONG DIRECTION	SHORT DIRECTION
CF1A	2'-0"	1'-0"	#2 CONT @ 12" OC	CS #4
CF1B	2'-0"	0'-8"	#2 CONT @ 12" OC	CS #4
CF1C	2'-0"	0'-8"	#2 CONT @ 12" OC	CS #4

SPREAD FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICKNESS	REINFORCE	
				LONG DIRECTION	SHORT DIRECTION
SF1	2'-0"	2'-0"	1'-0"	CS #4	CS #4
SF2	4'-0"	4'-0"	1'-0"	CS #4	CS #4
SF3	4'-0"	4'-0"	1'-0"	CS #4	CS #4
SF4	2'-0"	2'-0"	1'-0"	CS #4	CS #4
SF5	2'-0"	2'-0"	1'-0"	CS #4	CS #4
SF6	2'-0"	2'-0"	1'-0"	CS #4	CS #4
SF7	2'-0"	2'-0"	1'-0"	CS #4	CS #4

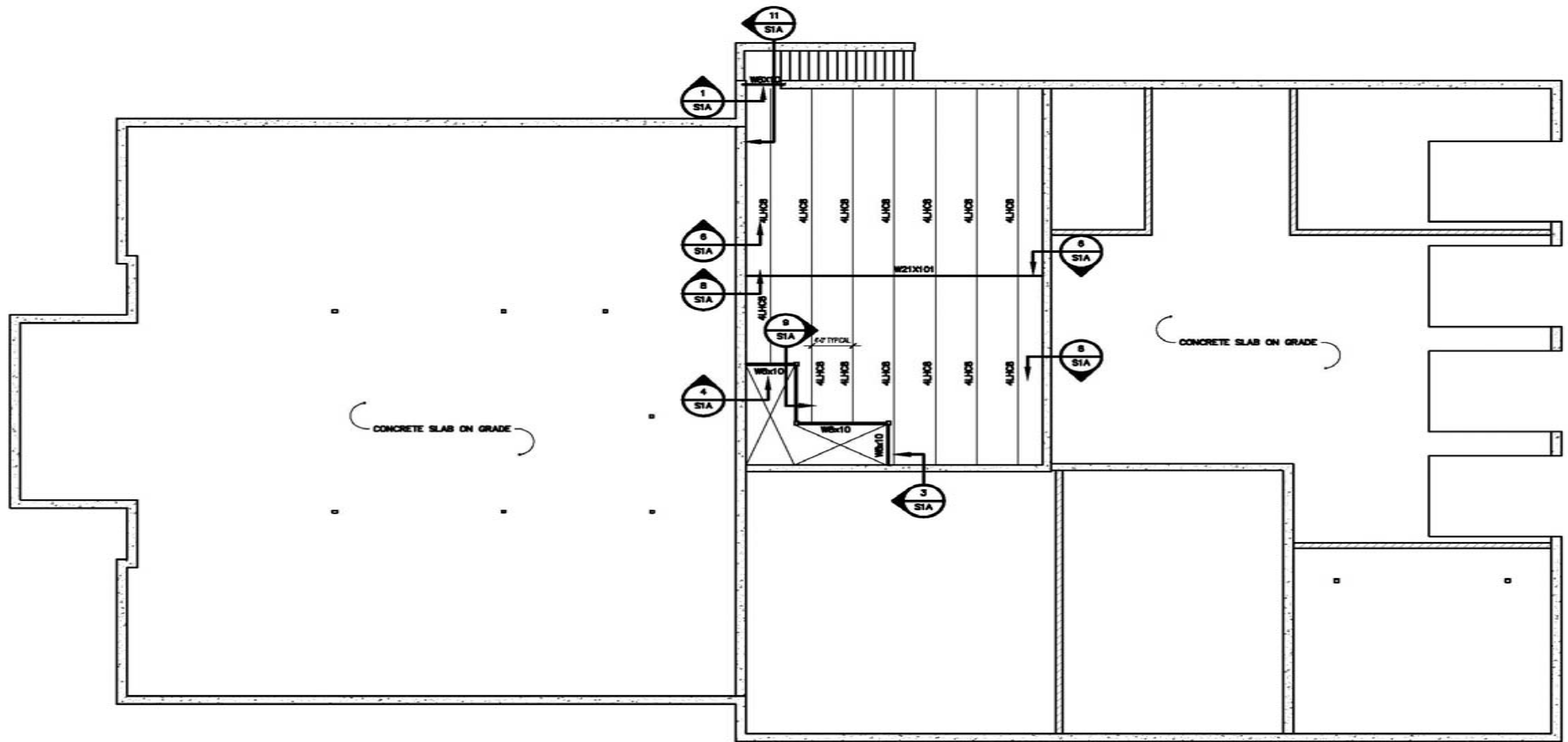


FOUNDATION PLAN

- NOTES
- #4 INDICATES CONCRETE PERM - REFER TO SHEET BL1 FOR PERM DETAILS
 - #4W INDICATES STEEL BASE PLATE - REFER TO SHEET BL1 FOR BASE PLATE DETAILS

FOUNDATION PLAN

Design and Drafting – Basement Floor Framing Layout

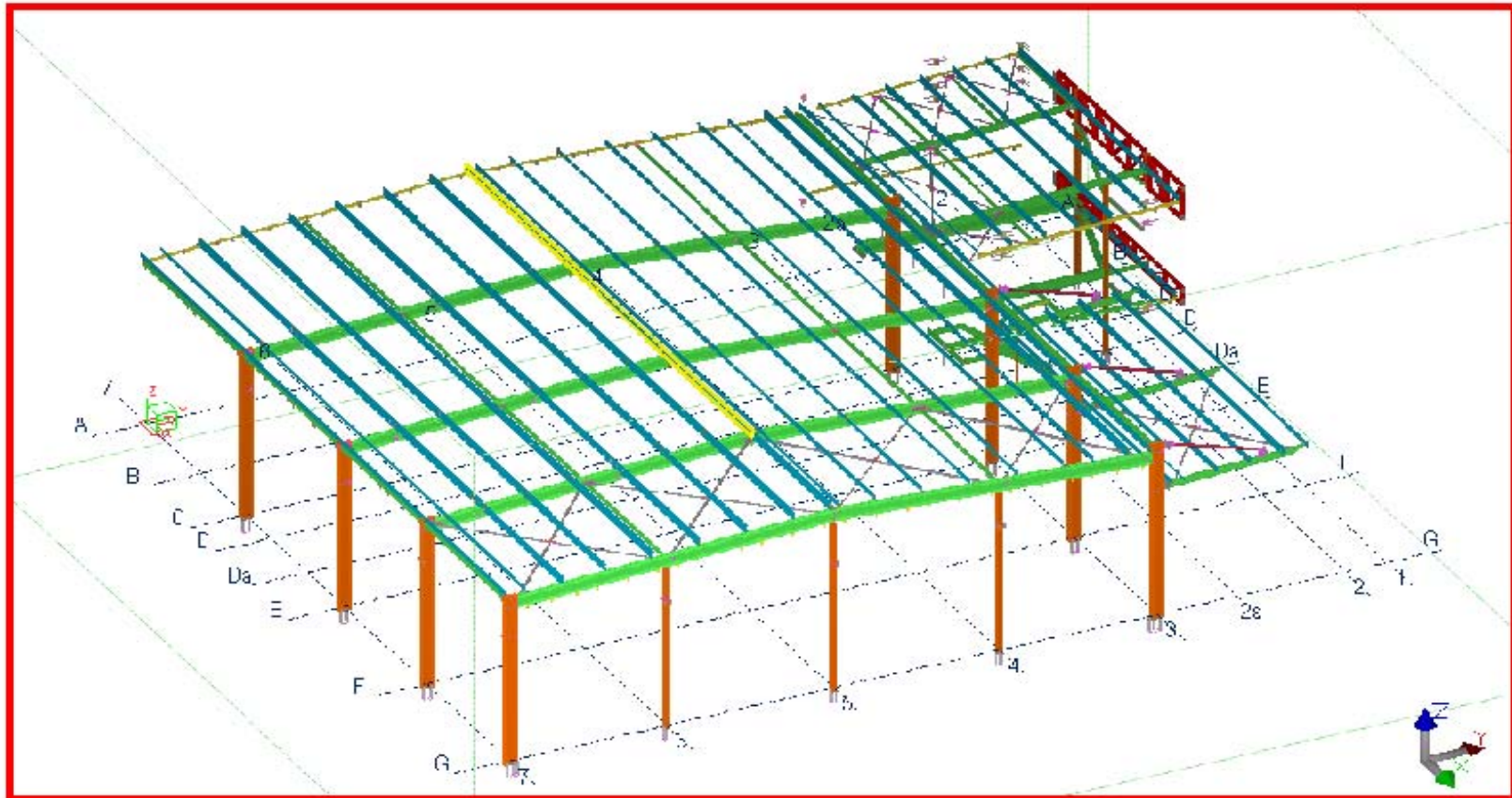


BASEMENT FLOOR FRAMING LAYOUT ○

- SCALE: 1/8"=1'-0"
- NOTES:—
- 1 ALL PRECAST SLABS ARE 4'-0" WIDE 4LHC8 WITH 2" NORMAL WEIGHT CONCRETE TOPPING HAVING 58-S STRANDS. PROVIDE ESTIMATED CAMBER 1" AT ERECTION AND 1" FOR LONG TERM CAMBER.
 - 01 BASEMENT FLOOR LVL. (+0'-0").

BASEMENT FLOOR FRAMING LAYOUT

3D steel structure Model



Steel Staircase

