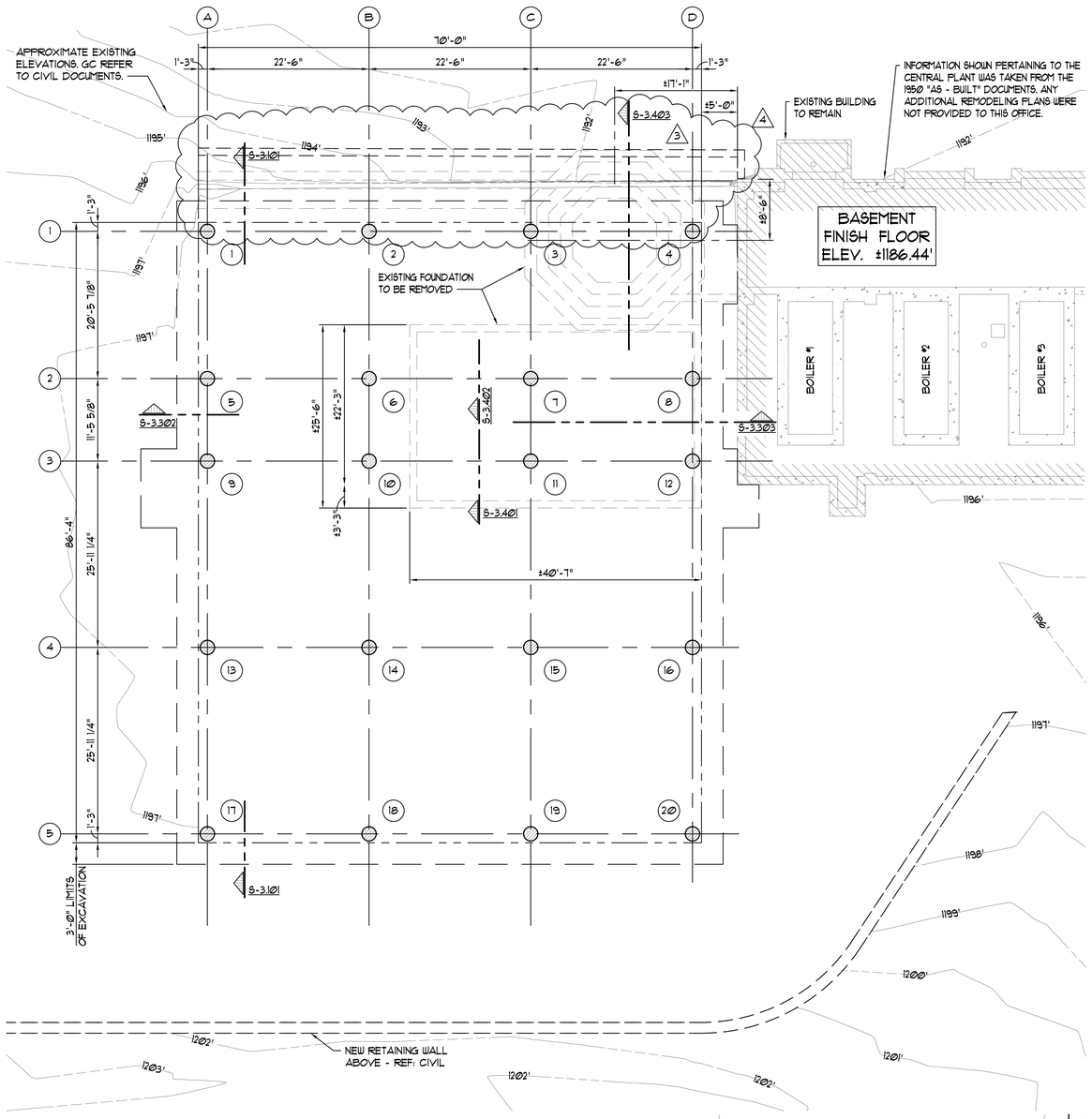
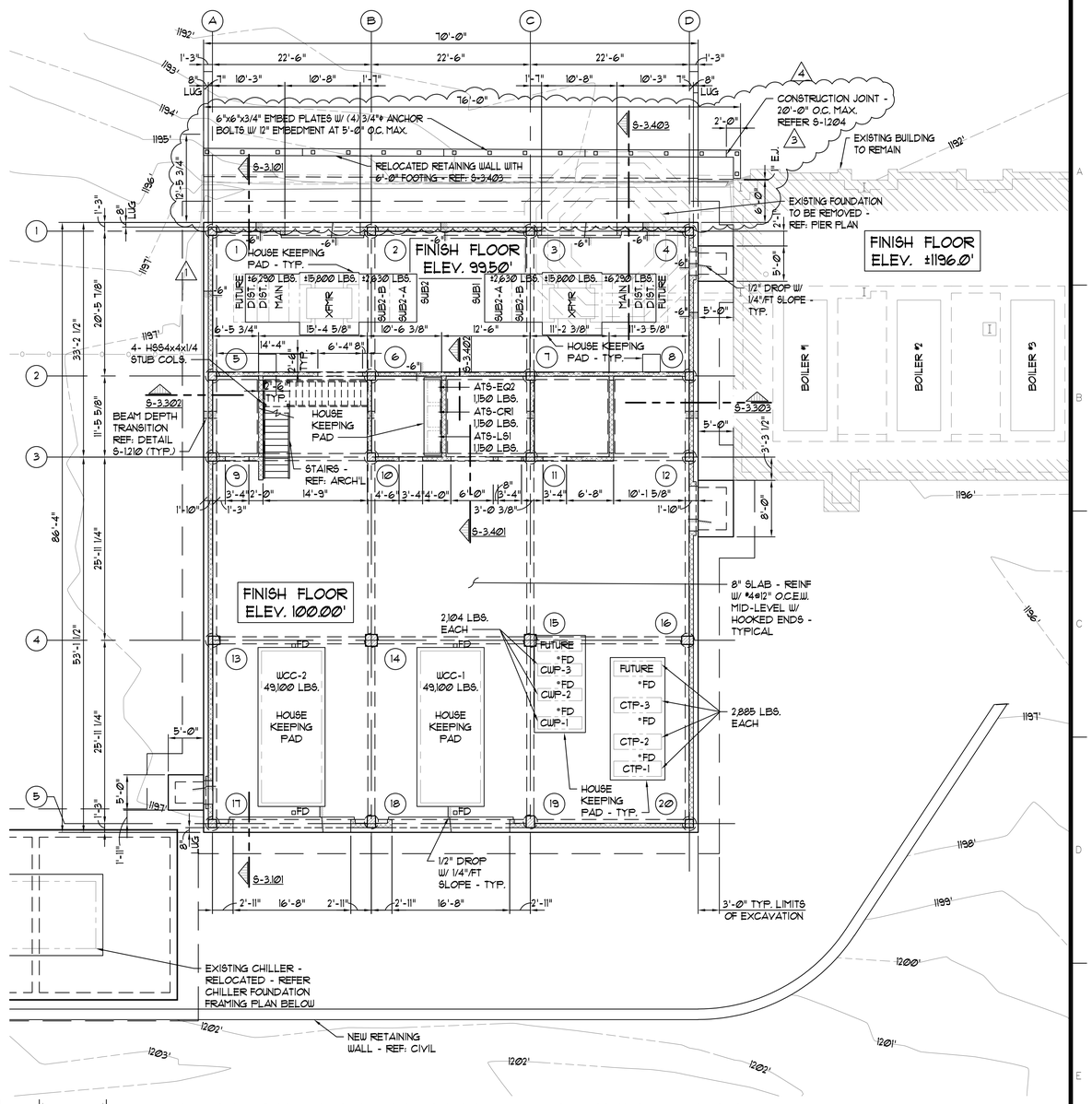
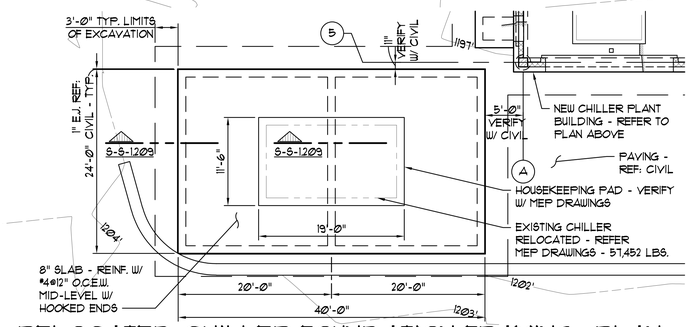




PIER PLAN

SCALE: 1/8" = 1'-0"

NOTES: REMOVE ANY EXISTING FOUNDATION FOUND DURING EXCAVATION.



RELOCATED CHILLER FOUNDATION FRAMING PLAN

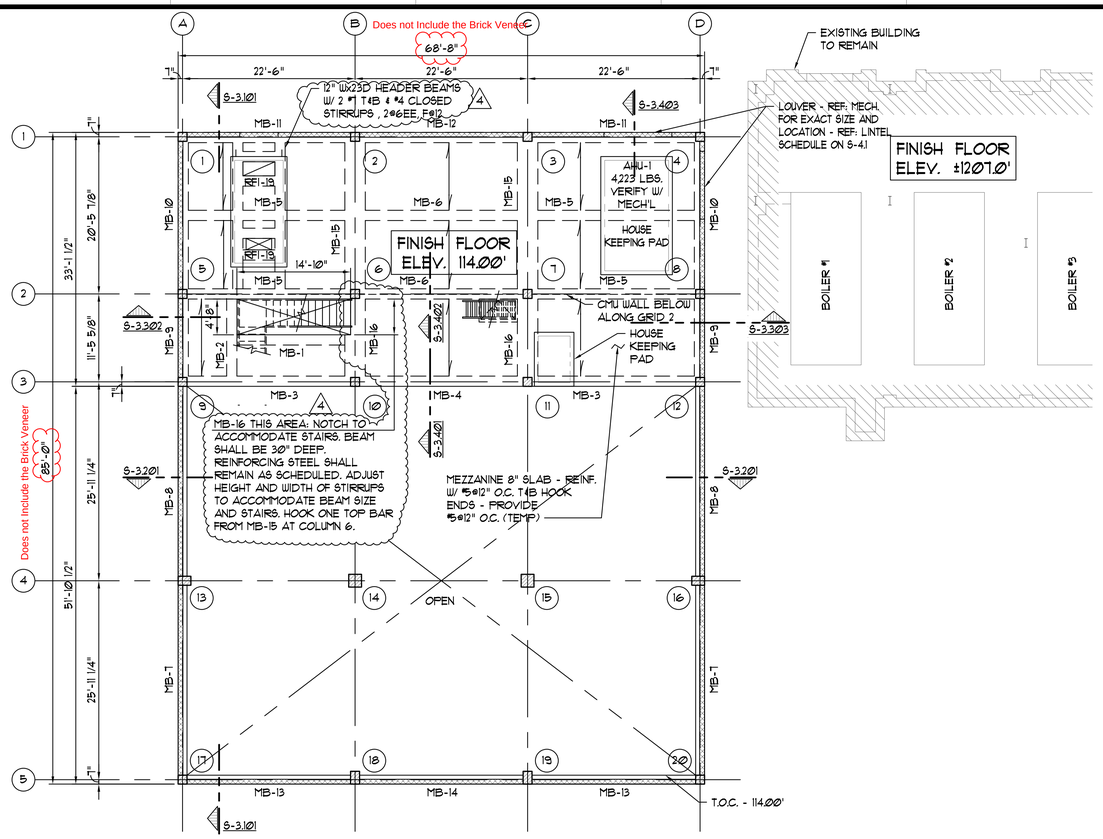
SCALE: 1/8" = 1'-0"

FOUNDATION AND FIRST FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

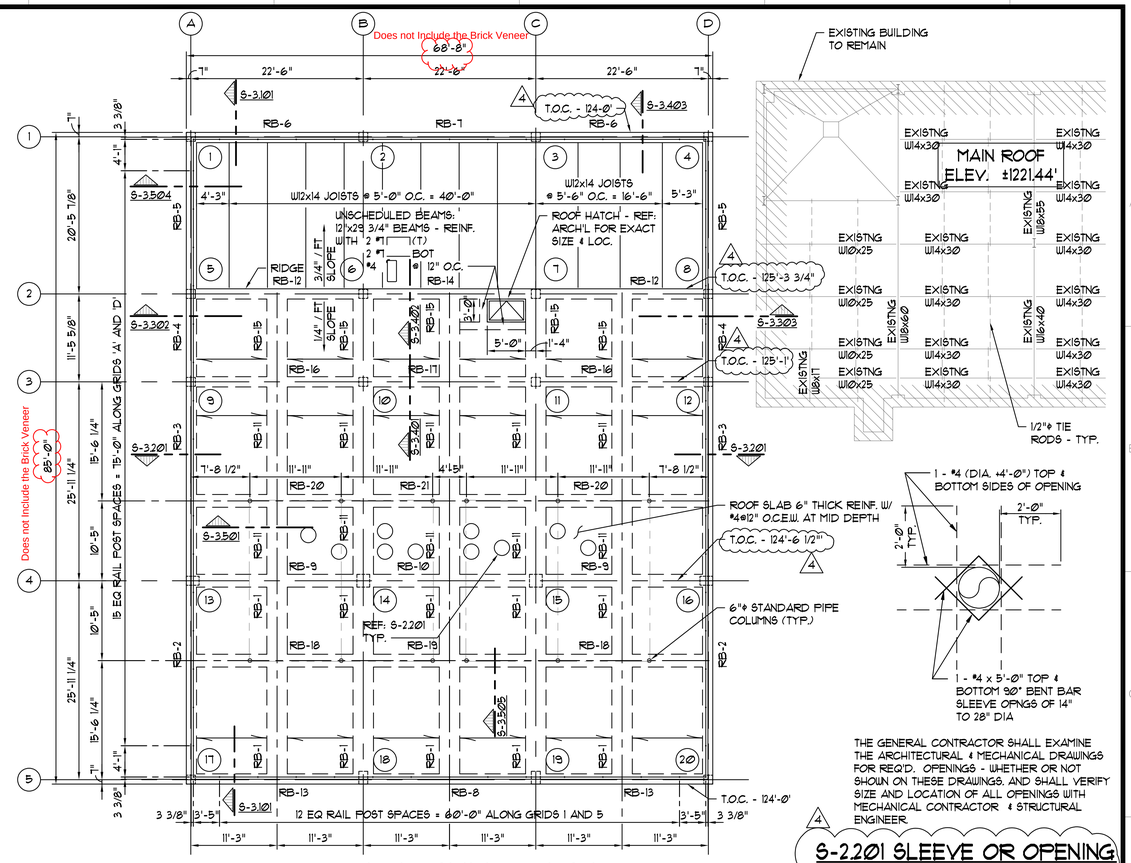
NOTES: REFER TO MECHANICAL DRAWINGS FOR ALL HOUSE KEEPING PAD SIZES AND LOCATIONS.

VERIFY ALL MECHANICAL EQUIPMENTS WEIGHTS WITH MECHANICAL DRAWINGS.



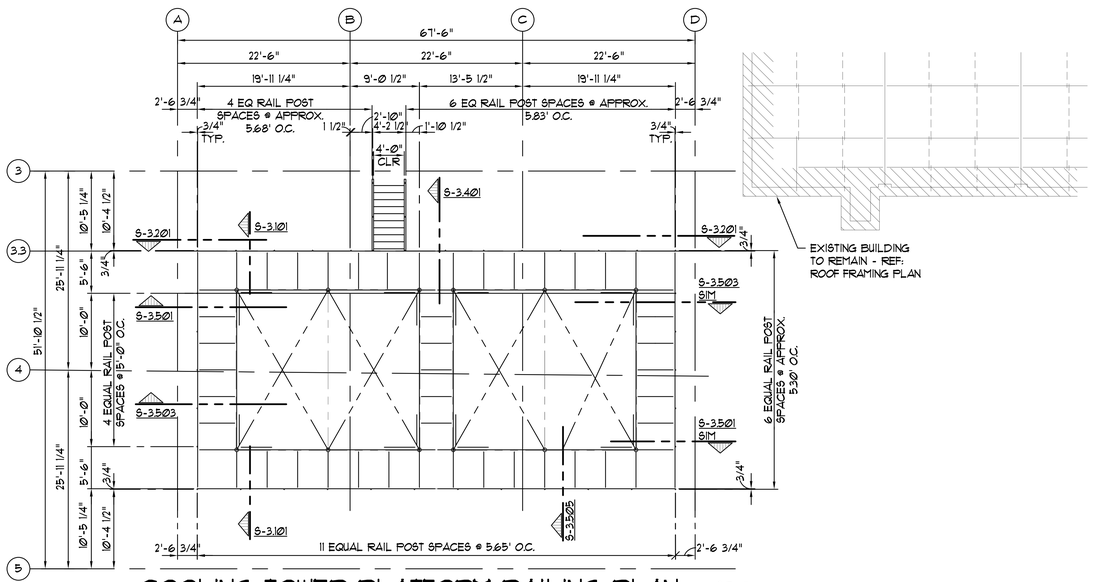
INTERMEDIATE AND MEZZANINE FRAMING PLAN

SCALE: 1/8" = 1'-0"



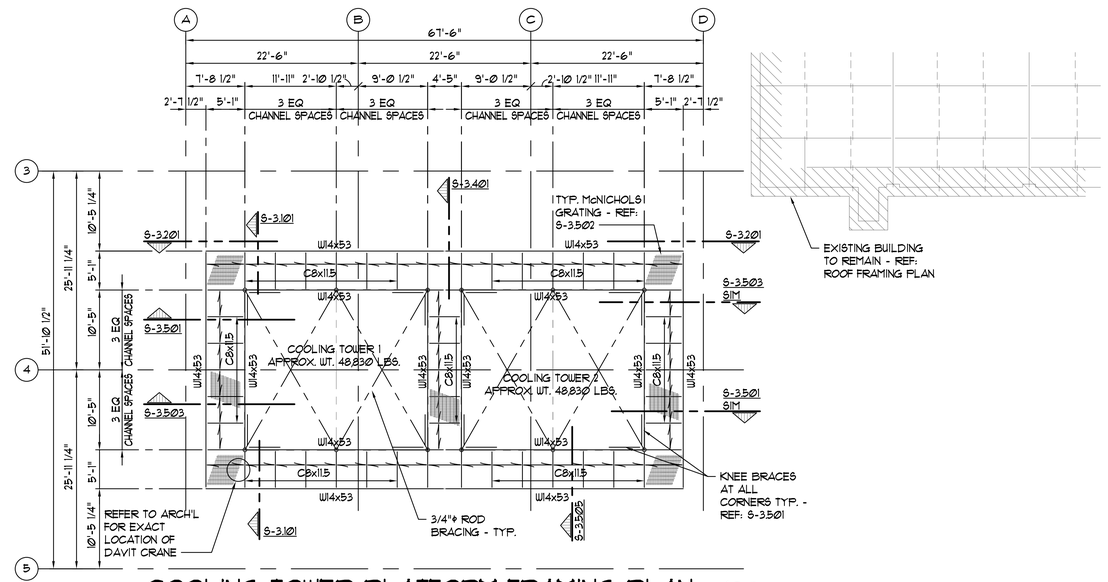
ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"



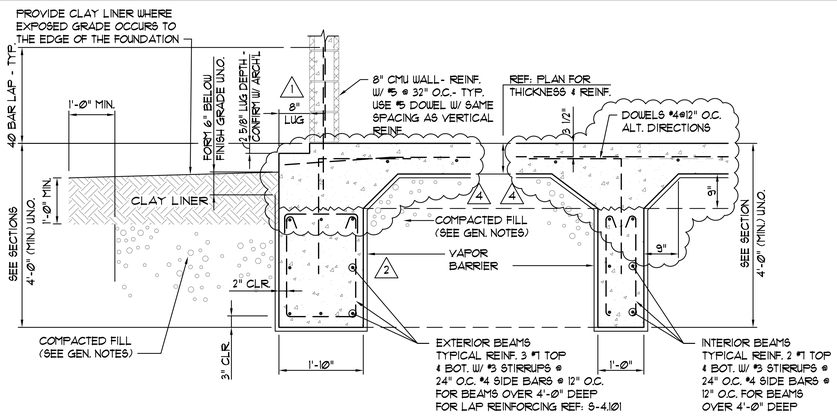
COOLING TOWER PLATFORM RAILING PLAN

SCALE: 1/8" = 1'-0"



COOLING TOWER PLATFORM FRAMING PLAN

SCALE: 1/8" = 1'-0"



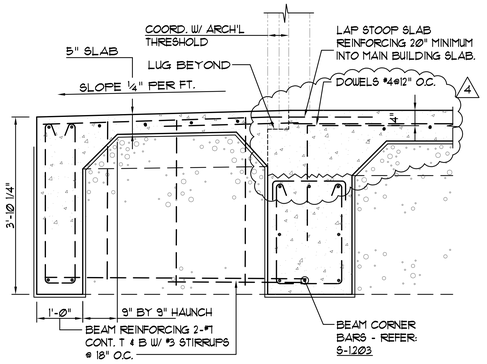
NOTE: THE VAPOR BARRIER SHALL BE AS SPECIFIED.

TYPICAL EXT. BEAM TYPICAL INT. BEAM

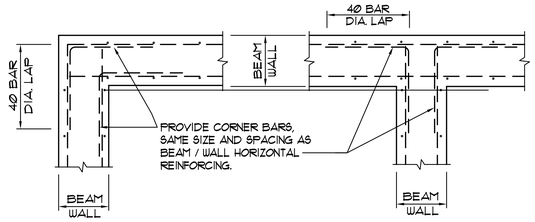
NOTES:
1. REFER TO PLANS AND SECTIONS FOR BEAM WIDTHS AND DEPTHS THAT ARE NOT TYPICAL.
2. SUPPORT REINFORCING STEEL TO PROPER ELEVATION WITH HALF BRICKS (NO ADOBE OR FOREIGN BRICK PERMITTED) - SPACING AS NOTED BELOW:

BEAM REINFORCING - 5'-0" O.C. (MAX.)
SLAB REINFORCING - 6'-0" O.C., E.W. (MAX.)

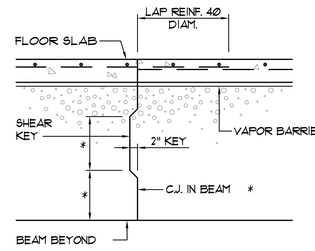
S-1.201 TYPICAL BEAM & SLAB ON GRADE DETAILS - NOTES



S-1.202 TYPICAL STOOP DETAIL



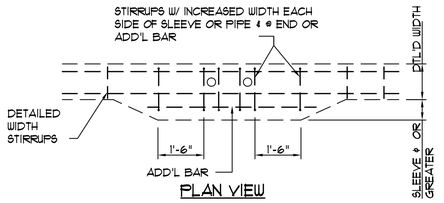
S-1.203 TYPICAL CORNER REINFORCING AT SOIL SUPPORTED BEAMS & FORMED WALLS



* 1/3 BEAM DEPTH

NOTE: BEAM REINFORCING TO RUN CONTINOUS ACROSS C.J. IN BM.

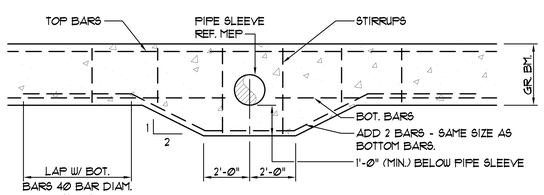
S-1.204 CONSTRUCTION JOINT (C.J.)



PLAN VIEW

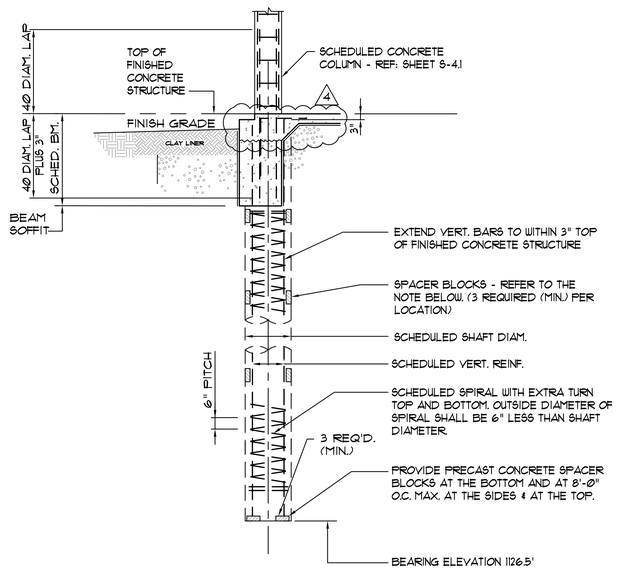
NOTE: WHERE FOUNDATION BEAMS ARE PENETRATED BY PLUMBING PIPES OR SLEEVES THE BEAM SHALL BE INCREASED IN WIDTH BY A DIMENSION AT LEAST EQUAL TO THE GREATEST DIMENSION OF THE SLEEVE OR PIPE. THE INCREASE IN WIDTH SHALL OCCUR 1'-6" ON EACH SIDE OF THE PENE- TRATION. ADD 1 #4 TOP AND BOTTOM AT THICKENED BEAM. UNDER NO CIRCUMSTANCES SHALL ANY REBAR BE CUT.

S-1.205 TYP. BEAM ON GRADE W/ VERT. PENETRATIONS

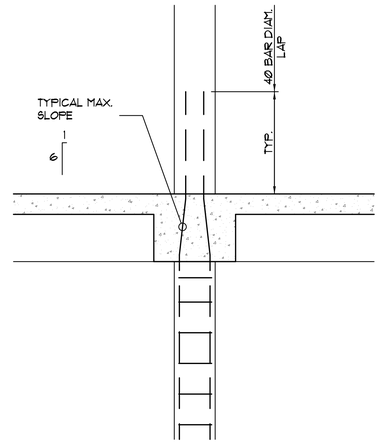


S-1.206 HORZ. PIPE PENETRATION

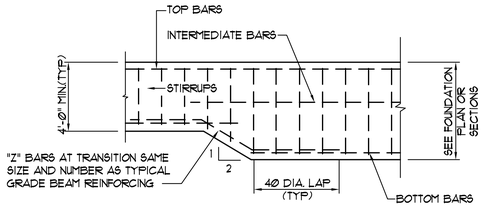
REFER TO MEP DRAWINGS FOR LOCATIONS, AND DEPTH BELOW T.O. CONCRETE TO PIPE.



S-1.207 TYPICAL FOOTING DETAIL



S-1.208 TYPICAL COLUMN REINFORCING LAP AT FLOORS



NOTE:
FOR GRADE BEAMS DEEPER THAN 3'-0", PROVIDE #4 BARS CONT. AT 12" O.C., HORIZONTAL, EACH FACE.

⚠ S-1.210 TYPICAL GRADE BEAM DEPTH TRANSITION DETAIL

TYPICAL EXT. BEAM TYPICAL INT. BEAM

NOTES:
1. REFER TO PLANS AND SECTIONS FOR BEAM WIDTHS AND DEPTHS THAT ARE NOT TYPICAL.
2. SUPPORT REINFORCING STEEL TO PROPER ELEVATION WITH HALF BRICKS (NO ADOBE OR FOREIGN BRICK PERMITTED) - SPACING AS NOTED BELOW:

BEAM REINFORCING - 5'-0" O.C. (MAX.)
SLAB REINFORCING - 6'-0" O.C., E.W. (MAX.)

S-1.209 TYPICAL BEAM & SLAB ON GRADE DETAILS - NOTES

CONCRETE BEAM SCHEDULE

MARK	SECTION	P	ST. BARS NO.	ST. BARS SIZE	BENT BARS NO.	BENT BARS SIZE	BENT BARS BENDING	STIRRUPS SIZE	STIRRUPS SPACING	STIRRUPS BEND
					ROOF BEAMS					
RB-1	23/25½ 32	T			4	10		4	10" O. C.	
		M			4	9				
		B								
RB-2	23/25½ 16	T			3	8		4	5" O. C.	
		M	4	4 SIDES	3	7				
		B								
RB-3	25½/28 16	T	3	8				4	5" O. C.	
		M	4	4						
		B	3	7						
				SIDES						
RB-4	28/30¾ 16	T	3	7				4	5" O. C.	
		M								
		B	3	7						
RB-5	23/30¾ 16	T			3	7		4	5" O. C.	
		M								
		B			3	7				
RB-6	23 16	T			3	7		4	5" O. C.	
		M								
		B			3	7				
RB-7	23 16	T	3	7				4	5" O. C.	
		M								
		B	3	7						
RB-8	23 16	T	3	7				4	5" O. C.	
		M								
		B	3	7						
RB-9	25½ 20	T			4	9		4	10" O. C.	
		M								
		B			4	9				
RB-10	25½ 20	T	4	9				4	10" O. C.	
		M								
		B	4	9						
RB-11	25½/28 32	T	4	10				4	10" O. C.	
		M								
		B	4	9						
RB-12	30¾ 16	T			3	7		4	10" O. C.	
		M								
		B			3	7				
RB-13	23 16	T			3	7		4	5" O. C.	
		M								
		B			3	7				
RB-14	30¾ 16	T	3	7				4	4" O. C.	
		M	5	4						
		B	3	7						
				SIDES						
RB-15	28/30¾ 32	T			4	8		4	10" O. C.	
		M								
		B			4	6				
RB-16	28 16	T			3	7		4	10" O. C.	
		M								
		B			3	7				
RB-17	28 16	T	3	7				4	10" O. C.	
		M								
		B	3	7						
RB-18	27 16	T			3	7		4	4" O. C.	
		M	4	4 SIDES						
		B			3	7				
RB-19	27 16	T	3	7				4	4" O. C	
		M	4	4						
		B	3	7						
				SIDES						
RB-20	27 16	T			3	9 (5)		4	4" O. C.	
		M	4	4 SIDES						
		B			3	9				
RB-21	27 16	T	3	(9) (5)				4	4" O. C.	
		M	4	4 SIDES						
		B	3	(9) (5)						
					MEZZANINE BEAMS					
(4) MB-1	11 16	T			3	6		4	6" O. C.	
		M								
		B	3	7						
MB-2	23 16	T			3	6		4	4" O. C.	
		M	4	4 SIDES						
		B	3	6						
MB-3	23 16	T			3	6		4	10" O. C.	
		M								
		B			3	6				

CONCRETE BEAM SCHEDULE

MARK	SECTION	P	ST. BARS NO.	ST. BARS SIZE	BENT BARS NO.	BENT BARS SIZE	BENT BARS BENDING	STIRRUPS SIZE	STIRRUPS SPACING	STIRRUPS BEND
					MEZZANINE BEAMS					
MB-4	23 16	T	3	6				4	10" O. C.	
		M								
		B	3	6						
MB-5	23 16	T			3	7		4	10" O. C.	
		M								
		B			3	7				
MB-6	23 16	T	3	7				4	10" O. C.	
		M								
		B	3	7						
MB-7	23 16	T			3	7		4	10" O. C.	
		M								
		B			3	7				
MB-8	23 16	T	3	7				4	10" O. C.	
		M								
		B	3	7						
MB-9	23 16	T	3	7				4	5" O. C.	
		M								
		B	3	7						
MB-10	23 16	T			3	7		4	5" O. C.	
		M								
		B			3	7				
MB-11	23 16	T			3	7		4	5" O. C.	
		M								
		B			3	7				
MB-12	35 16	T	3	7				4	5" O. C.	
		M								
		B	3	7						
MB-13	23 16	T			3	7		4	10" O. C.	
		M								
		B			3	7				
MB-14	35 16	T	3	7				4	10" O. C.	
		M								
		B	3	7						
MB-15	23 32	T			4	8		4	10" O. C.	
		M								
		B			4	9				
MB-16	23 32	T	4	6 SIDES	4	8		4	4" O. C.	
		M								
		B			4	8				

BEAM SCHEDULE LEGEND

MARK	BEAM MARK – REFER TO INDIVIDUAL FLOOR FRAMING PLANS
P	PLACEMENT LOCATION OF SCHEDULED REINFORCING STEEL
ST. BARS	STRAIGHT BARS
T	TOP REINFORCING STEEL
M	MID. REINFORCING STEEL
	BOTTOM REINFORCING STEEL

PIER SCHEDULE

FOOTING NUMBER	SHAFT DIAMETER	VERT. REINF. NO.	VERT. REINF. SIZE	SPIRAL SIZE	SPIRAL PITCH
1 THRU 20	24"	8	#8	3/8"ø	6"

CONCRETE COLUMN SCHEDULE

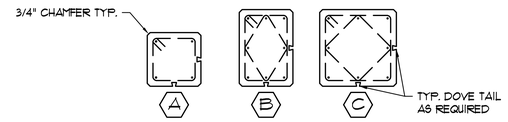
COLUMN MARK	SIZE	VERT. REINF. NO.	VERT. REINF. SIZE	TIES SIZE	TIES SPCG.	TIES SETS	REMARKS & DETAILS
		TYPICAL COLUMNS					
1 THRU 12, 17, 20	14"x14"	4	#9	#4	14	1	(A)
13, 16, 18, 19	14"x20"	8	#7	#4	8	2	(B)
14, 15	20"x20"	8	#7	#4	14	2	(C)

C.M.U. LINTEL SCHEDULE AT NON-LOAD BEARING WALLS

SPANS LESS THAN 6'-0"	SPANS 6'-0" – 10'-0"	SPANS 10'-1" – 12'-0"
8" (MIN.) LINTEL WITH 2- #5 BARS (BOT.)	16" (MIN.) LINTEL WITH 2- #5 BARS (BOT.)	24" (MIN.) LINTEL WITH 2- #5 BARS (BOT.)

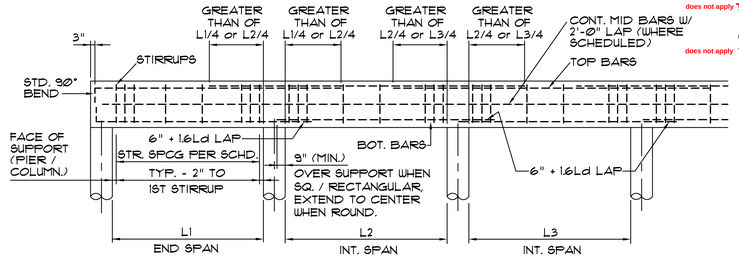
1. END BEARING IS TO BE 8" MINIMUM.
2. REFER TO ARCH'L FOR HEAD DETAILS AT ALL DOORS, WINDOWS AND LOUVERS.
3. ALL LINTELS ARE TO BE FILLED W/ 3,000 PSI PEA-GRAVEL CONCRETE OR AN APPROVED EQUAL GROUT.
4. LINTELS ABOVE APPLY TO BOTH INTERIOR AND EXTERIOR WALLS, BOTH WYTHES.

NOTE: ALL LOOSE LINTELS ARE GALV. L7x4x3/8. PROVIDE 4" (MIN.) BEARING EACH SIDE OF OPENING REFER TO ARCH. FOR LOCATION



TYPICAL COLUMN DETAILS

PROVIDE 3/4" CHAMFER AND DOVETAIL ANCHORS SLOT PER ARCHITECTURAL REQUIREMENTS.



NOTES:
REFER TO THE ARCH'L PLANS AND SECTIONS FOR DROPS AND SLOPES NOT DEFINED ON THE STRUCTURAL DRAWINGS.

S-4.101 TYPICAL BEAM REINFORCING PLACEMENT

F. Lintels:

1. Lintels are not required for openings less than 1000mm (40") wide that have hollow metal frames.
2. Openings 1025mm (41") to 1600m (63") wide without structural steel lintel/frames, require lintel formed of concrete masonry lintel or bond beam units or structural facing tile lintel units filled with grout and reinforced with one #16 (No. 5) rod top and bottom for each 100mm (4") of nominal thickness unless shown otherwise.

#16 is metric = #5 bar

does not apply

3. Precast concrete lintels of 25 MPa (3,000 psi) concrete, same thickness as partitions, and with one No. 16 (No. 5) deformed bar top and bottom for each 100mm (4") of nominal thickness in lieu of reinforced CMU masonry lintels.
4. Use steel lintels, for openings greater than 1600m (63") wide, brick masonry openings, and elevator openings unless shown otherwise.

does not apply

5. Doors having overhead concealed door closers require steel lintel, and pocket for closer box.
6. Lintel Bearing Length: min. 100mm (4") at both ends.

does not apply

7. Build masonry openings or arches over wood or metal centering and supports when steel lintels are not used.