DEMARCATION	SUPPORT MEMBER	BEARING LENGTH
BL21	L3½x3½x⅜	0'-4"
BL22	L4x3½x⅜ LLV	0'-4"

BRICK LINTEL/BEARING SCHEDULE

SCALE: NOT TO SCALE

DEMARCATION	SUPPORT MEMBER	MINIMUM MOMENT CAPACITY	MINIMUM SHEAR CAPACITY	MINIMUM "EI" x 1,000,000
FB21A	(3) 1¾"x16" LVL's	3,800 FT*POUNDS	1,270 POUNDS	300,090
FB21B	(3) 1¾"x14" LVL's	11,060 FT*POUNDS	3,690 POUNDS	675,180
FB22	(2) 1¾"x14" LVL's + ⅜"x14" STEEL PLATE	16,925 FT*POUNDS	18,675 POUNDS	2,589,990
FB23A	(3) 1¾"x16" LVL's	10,855 FT*POUNDS	2,170 POUNDS	675,180
FB23B	(2) 1¾"x14" LVL's + ⅜"x14" STEEL PLATE	31,210 FT*POUNDS	6,245 POUNDS	3,225,540
FB24	(3) 1¾"x14" LVL's	20,970 FT*POUNDS	4,305 POUNDS	2,160,870
FB25	(3) 1¾"x14" LVL's	30,210 FT*POUNDS	9,240 POUNDS	2,160,870

FLOOR BEAM SCHEDULE

SCALE: NOT TO SCALE

FLOOR BEAM SCHEDULE NOTES:

1. FLOOR BEAMS HAVE BEEN SPECIFIED TO PROVIDE ALTERNATES FOR WOOD TRUSSES AND TO CLEARLY DEFINE THE FLOOR TRUSSES FOR THE WOOD TRUSS MANUFACTURER.

2. IT IS ASSUMED THAT THE WOOD TRUSS MANUFACTURER WILL PROVIDE AN ENTIRE FLOOR SYSTEM USING WOOD TRUSSES. THE TABLE HAS BEEN PREPARED TO ASSURE THAT A FLOOR SYSTEM IS ATTAINABLE FOR THE DEPTHS AND CONFIGURATIONS REQUIRED ARCHITECTURALLY AND TO VERIFY THAT THERE IS A "STRUCTURAL SOLUTION" SHOULD IT BE DETERMINED THAT WOOD TRUSSES ARE NOT ATTAINABLE TO SUPPORT THE CODE REQUIRED DESIGN LIVE LOADS AND DESIGN DEAD LOADS REQUIRED BY THESE CONTRACT DOCUMENTS.

3. SHOULD THE ALTERNATE FLOOR BEAMS BE USED IN LIEU OF FLOOR TRUSSES, THE CONTRACTOR MUST PROVIDE THE ADDITIONAL FRAMING TO CREATE THE CEILING FOR THE FLOOR BELOW AND THE DESIGN OF THE WOOD TRUSS DESIGNS ALTERED TO ACCEPT ANY ADDITIONAL LOADS REQUIRED TO CREATE THE CEILING.

4. FLOOR BEAMS FB21, FB22, AND FB23 HAVE BEEN SPEICIFIED TO PROVIDE A CONSISTENT BEARING DEPTH. TRUSSES FRAMING INTO FLOOR BEAMS FB22 SHALL BE ATTACHED USING A SIMPSON STRONG TIE HANGER. THE TRUSS MANUFACTURER SHALL PROVIDE BOTTOM BEARING TRUSSES AT THE UNIFORM BOTTOM OF WOOD TRUSS ELEVATION.

5. FLOOR BEAMS FB21A AND FB23A SHALL BE CENTERED BELOW THE CENTER OF THE WALL WHICH THEY SUPPORT. FLOOR BEAMS FB21B AND FB23B SHALL BE CENTERED BELOW THE BRICK FACADE WHICH THEY SUPPORT.

DEMARCATION	MINIMUM MOMENT CAPACITY	MINIMUM SHEAR CAPACITY	MINIMUM "EI" x 1,000,000
FT21	14,015 FT*POUNDS	1,755 POUNDS	2,150,360
FT22	7,455 FT*POUNDS	1,230 POUNDS	1,075,180
FT23	4,725 FT*POUNDS	970 POUNDS	439,570
FT24	9,685 FT*POUNDS	1,410 POUNDS	1,550,880
FT25	20,730 FT*POUNDS	4,255 POUNDS	2,150,360
PT21	5,445 FT*POUNDS	1,150 POUNDS	207,750
PT22	9,985 FT*POUNDS	1,975 POUNDS	1,075,180
PT23	3,545 FT*POUNDS	1,175 POUNDS	225,060
PT24	425 FT*POUNDS	400 POUNDS	29,120

FLOOR TRUSS SCHEDULE

SCALE: NOT TO SCALE

FLOOR TRUSS SCHEDULE NOTES:

1. WOOD FLOOR TRUSSES ARE SPECIFIED BY THE REQUIREMENTS OF THIS TABLE. THE WOOD TRUSS MANUFACTURER SHOULD VERIFY THESE TRUSS DESIGNS THROUGH THE USE OF THE DESIGN LOADS PROVIDED AS WELL AS THOSE THAT MAY BE CLARIFIED AT THE TIME OF MANUFACTURE

2. THE WOOD FLOOR TRUSSES SHALL BE DESIGNED TO SUPPORT THE CODE REQUIRED DESIGN LIVE LOADS AND DESIGN DEAD LOADS. WOOD FLOOR TRUSSES SHALL BE SUPPLIED THAT ARE COMPLIANT WITH ALL MINIMUM REQUIREMENTS INCLUDED WITHIN THESE CONTRACT DOCUMENTS.

DEMARCATION	SUPPORT MEMBER	BEARING STUD	FULL HEIGHT JAMB
WH21	(3) 2x6's	(1) 2x6	(1) 2x6
WH22	(3) 2x6's	(2) 2x6's	(2) 1¾"x5½" LVL's
WH23	(3) 2x6's	(1) 2x6	(1) 1¾"x5½" LVL
WH24	(3) 2x6's	(1) 2x6	(1) 1¾"x5½" LVL's
WH25	(3) 2x8's	(1) 1¾"x5½" LVL	(2) 1¾"x5½" LVL's
WH26	(3) 1¾"x5½" LVL's	(1) 1¾"x5½" LVL	(1) 1¾"x5½" LVL's
WH27	(3) 1¾"x11¾" LVL's	(1) 1¾"x5½" LVL	(2) 1¾"x5½" LVL's

WALL HEADER/JAMB/BEARING SCHEDULE

SCALE: NOT TO SCALE

WALL HEADER/JAMB/ BEARING STUD SCHEDULE NOTES:

1. FULL HEIGHT JAMBS FROM WH25 AND WH27 SUPERCEDE THE REQUIREMENTS OF THE FULL HEIGHT JAMBS FOR WH24 AND WH26 WHERE THERE IS INSUFFICIENT ROOM FOR ALL FULL HEIGHT STUDS SPECIFIED.

2. WHERE SIMPSON STRONG TIE STEEL STRONG-WALL DO NOT ALLOW THE SPECIFIED QUANTITY OF FULL HEIGHT WALL STUDS, ANY AREA AVAILABLE SHALL BE FILLED WITH FULL HEIGHT 2x6's) AND SHALL BE ATTACHED TO THE SIMPSON STRONG TIE STEEL STRONG-WALL TO TRANSFER ALL LATERAL FORCES.

DRAWING S1.3a NOTES: ALTERNATE THIRD LEVEL FRAMING PLAN

1. SEE DRAWING S0.1 AND S0.2 FOR GENERAL NOTES. SEE DRAWING S1.1a FOR COLUMN SIZES.

2. TYPICAL DETAILS APPLY TO ALL DRAWINGS. USE THROUGHOUT, EXCEPT WHERE OTHERWISE SHOWN OR NOTED.

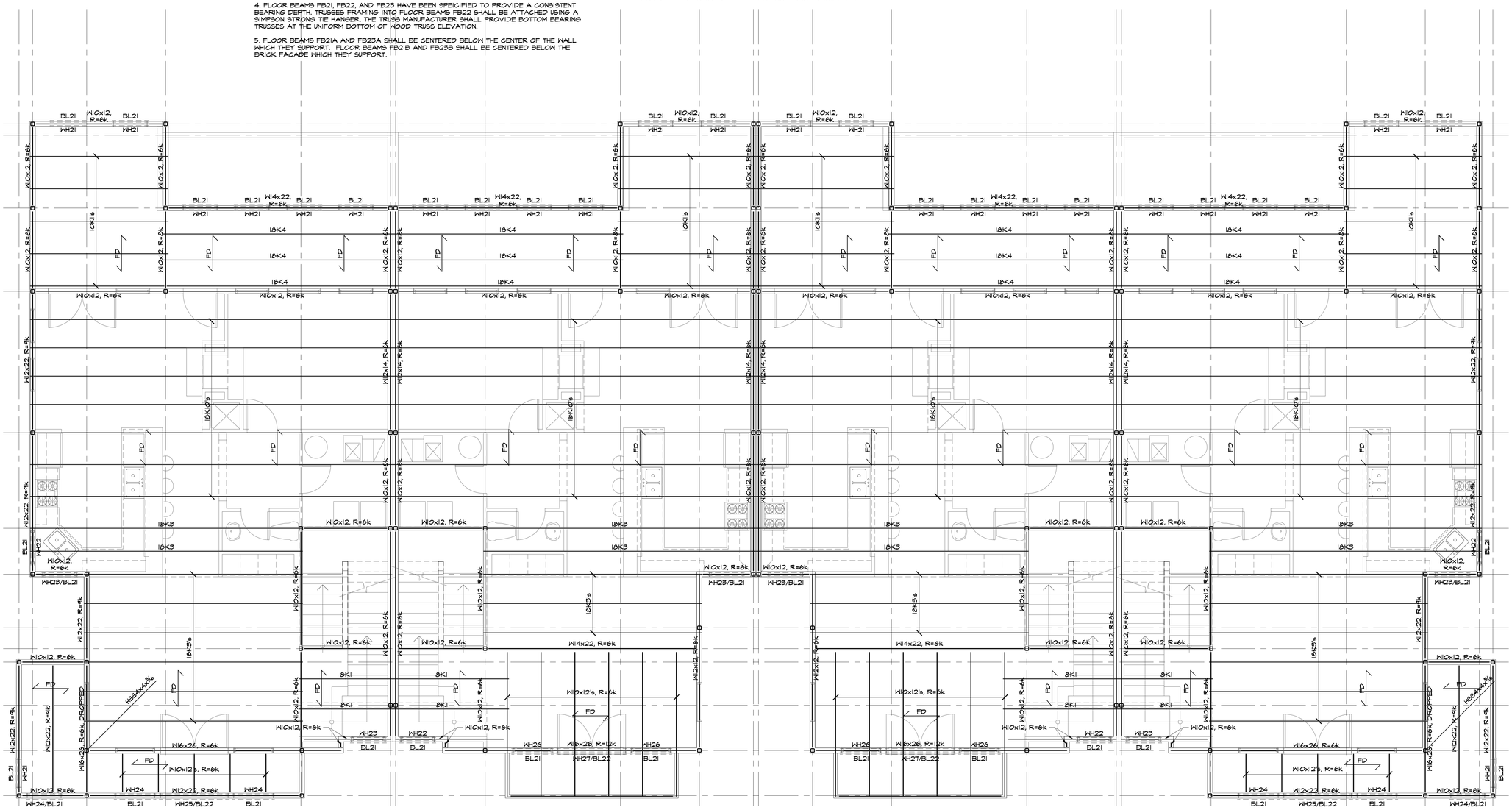
3. TOP OF STEEL JOISTS VARY. TYPICAL TOP STEEL JOISTS IS 120'-0", TOP OF STEEL JOISTS BENEATH PATIOS IS 119'-5½".

4. FLOOR SLAB SHALL BE 0'-5⅜" CONCRETE PLACED ON A ⅜" GALVANIZED, TWENTY-TWO GAGE STEEL FORM DECK (0'-4" TOTAL THICKNESS).

5. ALL DIMENSIONS MUST BE OBTAINED FROM ARCHITECTURAL DRAWINGS PRIOR TO PREPARING SHOP DRAWINGS. SEE GENERAL NOTES FOR ADDITIONAL EXAMPLES OF DIMENSIONS WHICH MUST BE COORDINATED/VERIFIED WITH OTHERS PRIOR TO PREPARING SHOP DRAWINGS.

6. ∠ FD ⟩ INDICATES SPAN OF FLOOR DECK

7. DESIGN LOADS:
7.1. LIVE LOAD: 40 PSF LIVE LOAD.
7.2. DEAD LOAD, TYPICAL: 75 PSF.
7.3. DEAD LOAD, PATIO: 175 PSF.
7.4. VERIFY DESIGN DEAD LOAD WITH ACUTAL FLOOR (AND PATIO) FINISHES SPECIFIED.



third level framing plan-eight-plex building

SCALE: 1/4"-1'-0"

preview
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NO.	DESCRIPTION	DATE
1	Review	05.16.05

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SEAL:

Preliminary. Not for Construction

SHEET TITLE:

PROJECT NUMBER: 2003-131

DRAWN BY:

CHECKED BY:

SHEET NUMBER:

S1.3a