

DATE	DESCRIPTION	BY
8/29/07	REV #1	MHB

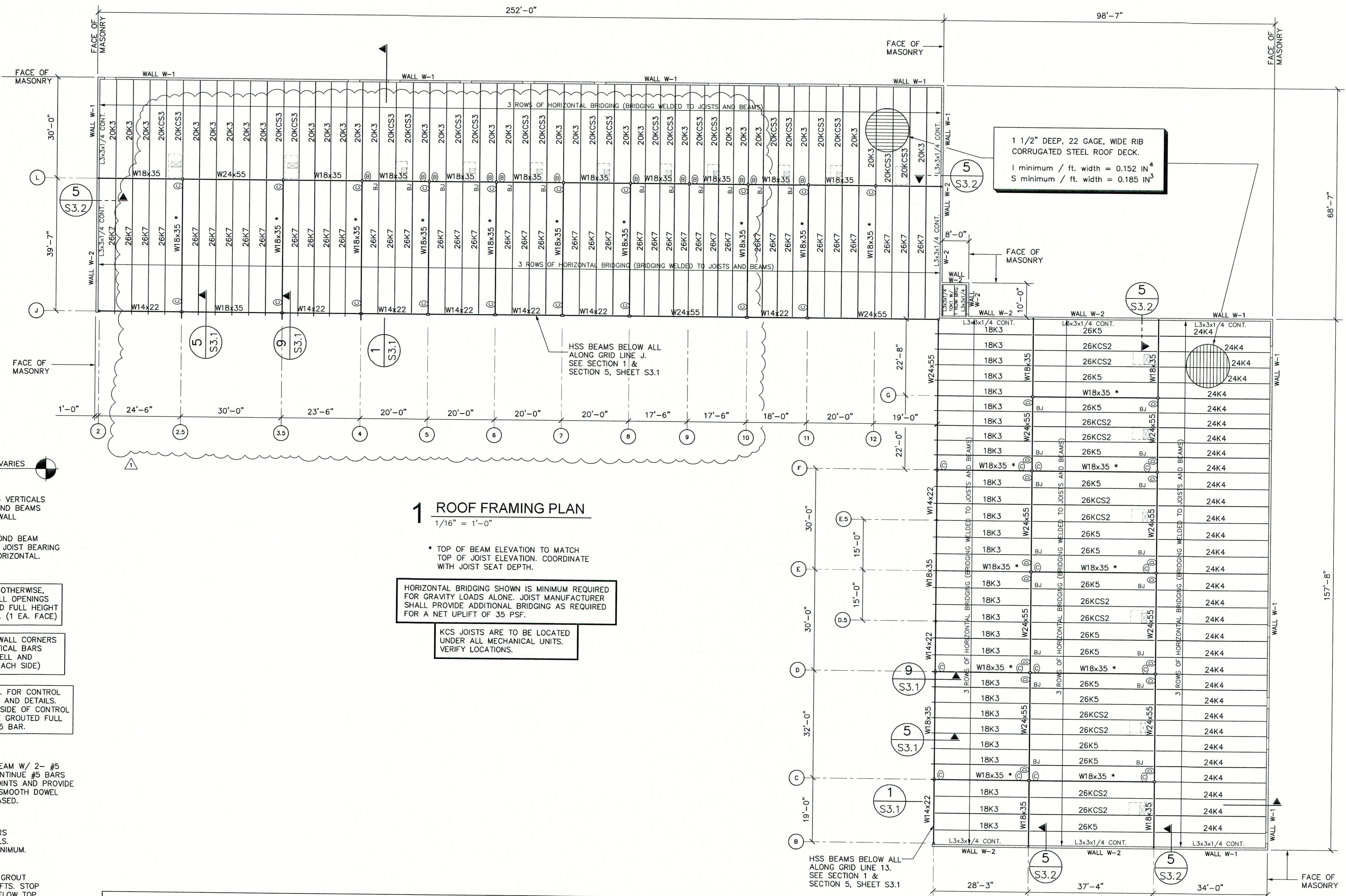
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PROPOSED RETAIL DEVELOPMENT
 CITY OF BOUETTE
 ST. CHARLES PARISH, LOUISIANA
 FOR THE SPECTRA GROUP, INC.
 MEMPHIS, TENNESSEE

BADEAUX ENGINEERS
 INCORPORATED
 CONSULTING STRUCTURAL AND CIVIL ENGINEERS
 115 EAST SIXTH ST., 70301
 985-447-2317, THIBODAUX, LA.

DRAWN: MJB, MHB
 CHECKED: MJB, MHB
 DATE: 8/12/07
 SCALE: AS NOTED ON DWG
 PROJECT NO.: 2960
 FILE: 2960BASE
 SHEET: S2.1



1 ROOF FRAMING PLAN
 1/16" = 1'-0"

* TOP OF BEAM ELEVATION TO MATCH TOP OF JOIST ELEVATION. COORDINATE WITH JOIST SEAT DEPTH.

HORIZONTAL BRIDGING SHOWN IS MINIMUM REQUIRED FOR GRAVITY LOADS ALONE. JOIST MANUFACTURER SHALL PROVIDE ADDITIONAL BRIDGING AS REQUIRED FOR A NET UPLIFT OF 35 PSF.

KCS JOISTS ARE TO BE LOCATED UNDER ALL MECHANICAL UNITS. VERIFY LOCATIONS.

NOTES APPLICABLE TO LOAD BEARING MASONRY WALLS

Load bearing masonry walls are designed in conformance with Building Code Requirements for Masonry Structures (ACI 530-99/ASCE 5-99/TMS 402-99) for loads prescribed by the 1999 Standard Building Code.

Masonry construction and materials for load bearing walls shall conform to all requirements of "Specification for Masonry Structures (ACI 530.1-99/ASCE 6-99/TMS 602-99)," published by The Masonry Society, Boulder, Colorado; the American Concrete Institute, Farmington Hills, Michigan; and the American Society of Civil Engineers, Reston, Virginia, except as modified by the requirements of these contract documents.

Masonry shall have a design compressive strength $f_m = 1500$ psi determined by the unit strength method in accordance with "Specification for Masonry Structures" (ACI 530.1-99/ASCE 6-99/TMS 602-99). Concrete masonry units shall have a minimum net compressive strength of 1900 psi if Type M or S mortar is used and 2150 psi if Type N mortar is used.

Masonry grout shall comply with ASTM C476. Grout shall have a minimum 28-day compressive strength of 2000 psi and a slump between 8 and 10 inches. Use coarse grout (3/8 inch maximum aggregate) for grout spaces over 2 inches and fine grout (1/4 inch maximum aggregate) for grout spaces less than 2 inches.

Sample and test grout in accordance with ASTM C1019. Test samples at seven (7) days and twenty-eight (28) days for each 5000 square feet of masonry wall surface or for each day that grout is placed, whichever results in more numerous tests. Each sample shall consist of three (3) specimens.

All masonry walls shall be braced adequately to prevent shifting or collapse until all intersecting walls and wall connections to other structural elements are complete.

The Contractor shall hire an independent testing agency to conduct field inspection of masonry construction conforming to Level 2 Quality Assurance as described in Section 1.6 of the referenced specification (copied here for convenient reference).

MINIMUM TESTS AND SUBMITTALS
 MINIMUM INSPECTION

Certificates for materials used in masonry construction indicating compliance with the Contract Documents.

Verification of f_m prior to construction, except where specifically exempted by this Code.

As masonry construction begins, verify the following are in compliance:

- proportions of site-prepared mortar
- construction of mortar joints
- location of reinforcement and connectors

Prior to grouting, verify the following are in compliance:

- grout space
- placement of reinforcement and connectors
- proportions of site-prepared grout
- construction of mortar joints

Verify grout placement is in compliance.

Observe preparation of grout specimens, mortar specimens, and/or prisms.

Verify compliance with the required inspection provisions of the contract documents and the approved submittals.

TOP OF WALL ELEV. VARIES
 SEE ARCH. DWGS.

CONTINUE #5 VERTICALS THROUGH BOND BEAMS TO TOP OF WALL

2-COURSE BOND BEAM CONT. BELOW JOIST BEARING W/ 2- #5 HORIZONTAL.

UNLESS DETAILED OTHERWISE, JAMB CELLS AT ALL OPENINGS SHALL BE GROUTED FULL HEIGHT WITH 2- #5 BARS. (1 EA. FACE)

CONSTRUCT ALL WALL CORNERS WITH 3- #5 VERTICAL BARS (#5 IN CORNER CELL AND ADJACENT CELL EACH SIDE)

SEE ARCH. DWGS. FOR CONTROL JOINT LOCATIONS AND DETAILS. CELLS ON EACH SIDE OF CONTROL JOINTS SHALL BE GROUTED FULL HEIGHT W/ 1- #5 BAR.

CONTINUOUS BOND BEAM W/ 2- #5 HORIZ. BARS. DISCONTINUE #5 BARS AT ALL CONTROL JOINTS AND PROVIDE 3/4" x 12" LONG SMOOTH DOWEL WITH ONE END GREASED.

#5 VERTICAL BARS IN GROUTED CELLS. ALL LAPS 24" MINIMUM.

FILL CELLS WITH GROUT IN 4'-0" MAX. LIFTS. STOP GROUT 1 1/2" BELOW TOP OF LIFT TO PROVIDE KEY FOR NEXT LIFT.

8" CMU WALL W/ 9 GAGE GALVANIZED LADDER TYPE JOINT REINFORCEMENT SPACED AT 1'-4" o.c. VERTICALLY. DISCONTINUE JOINT REINFORCEMENT AT ALL CONTROL JOINTS.

#5 DOWELS INTO FOUNDATION AT ALL VERTICAL BAR LOCATIONS. SEE FOUNDATION DETAILS.

VERTICAL REINFORCEMENT		
WALL TYPE	BAR SIZE	SPACING
W-1	#5	24" o.c.
W-2	#5	16" o.c.

8" BOND BEAM W/ 1- #5 CONTINUOUS AT TOP OF PARAPET WALL (TYP)

2 TYPICAL CMU WALL
 3/4" = 1'-0"