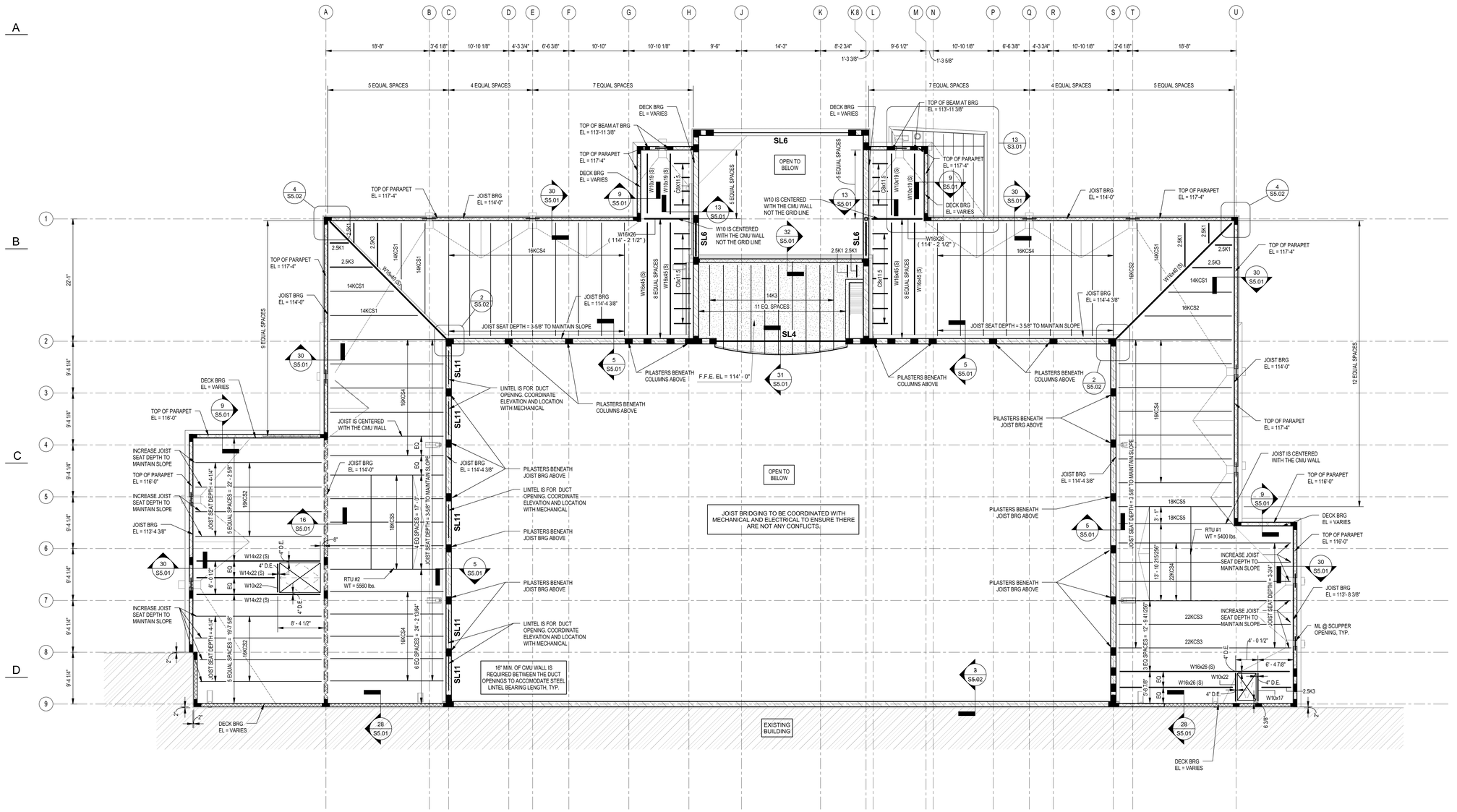


BUILDING NORTH

LOW ROOF & MEZZANINE FRAMING PLAN

1/8" = 1'-0"

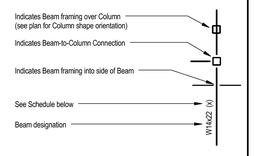
PLAN NOTES - FLOOR FRAMING

1. *The finished floor elevation shall be +114'-0", unless noted otherwise.*
2. *Floor slab construction shall be 4-1/2" normal weight concrete topping over 1-1/2"x22 ga., galvanized composite metal form deck over steel joists/beams (6" total deck thickness). Attach the metal deck to the supporting steel with 5/8" puddle welds in a 36/4 pattern, install 4 sidelap fasteners per span. Reinforce the concrete with WWF 4x4-W4.0xW4.0 (flat sheets only). Place WWF on support chairs so that it is located 1" below the top of concrete.*
3. *Roof construction shall be 1½"x20 ga., type b, galvanized metal deck over steel joists. Fasten deck to supporting steel with 5/8" puddle welds @ the support fasteners and #10 TEK screws @ the sidelap fasteners in a 36/7 pattern. Install 5 side lap fasteners per span.*
4. *All K-series joists shall have a standard bearing seat depth of 2½".*
5. *Splicing of structural steel members in the shop or field is prohibited without prior approval from the engineer.*
6. *Sequence welding to minimize weld shrinkage stresses and base material warping.*
7. *Burning of holes or enlarging of holes by burning structural steel is not allowed.*
8. *The fabricator shall be responsible for all errors of detailing on the shop drawings, errors in fabrication, and for the correct fitting of structural steel members.*
9. *See the loose lintel schedule for all openings in non-load bearing masonry. The general contractor shall coordinate all openings in the masonry with the steel fabricator.*
10. *Vertical flush wall pilasters shall be constructed full height in all CMU walls adjacent to all wall openings, wall intersections including corner and tee intersections, at beam bearing, lintel bearing, basketball goal mounting locations, DLH roof joist bearing locations and column bearing locations. Pilasters are required at these locations even if they are not indicated on the plan sheets. Pilasters shall be 1'-4" in length and reinforced with (2)-#5 bars in each cell unless noted otherwise.*

STRUCTURAL STEEL LEGEND

CONVENTIONAL CONSTRUCTION

NOTE: Bar Joists shall bear on top of supporting structural elements with standard depth joist seats. Exceptions are noted on plans & details.



(X)	DESIGNATION
(X'-X")	Top of Steel elevation
blank	None - Top of Steel elevation to be determined by floor construction.
(S)	Sloped Beam
(BB)	Bent Beam (see detail as indicated on plan)
(C)	Cantilever Beam
(WH)	Web Horizontal
(R)	Radiused Beam

CMU WALL TYPES

DENOTES 8" CMU WALL CONSTRUCTION, REINFORCE VERTICALLY WITH #5 BARS @ 24"o.c. AND HORIZONTALLY WITH BOND BEAMS @ 4'-0" o.c. MAX. REINFORCED WITH (2)-#5 BARS.

DENOTES 12" CMU WALL CONSTRUCTION, REINFORCE VERTICALLY WITH #5 BARS @ 24"o.c. AND HORIZONTALLY WITH BOND BEAMS @ 4'-0" o.c. MAX. REINFORCED WITH (2)-#5 BARS.

DENOTES 8" CMU WALL CONSTRUCTION, REINFORCE VERTICALLY WITH #5 BARS @ 8"o.c. AND HORIZONTALLY WITH BOND BEAMS @ 4'-0" o.c. MAX. REINFORCED WITH (2)-#5 BARS.

DENOTES NON STRUCTURAL CMU WALL CONSTRUCTION, SEE SCHEDULE FOR REINFORCEMENT REQUIREMENTS

DENOTES CMU WALL PILASTER CONSTRUCTION, REFERNCE THE FOUNDATION PLAN NOTES FOR LOCATIONS, SIZE, AND REINFORCEMENT.

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LICENSED STRUCTURAL ENGINEER
SIGNED: 01/06/12
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MURRAY STATE UNIVERSITY
MURRAY, KENTUCKY
BID SET - 2012-01-10

REVISIONS

Date -	1-10-2012
H+C Project No -	11194
FDC Project No -	10-007
BFW Project No -	11194
Marcum Project No -	11557

Sheet Name -
LOW ROOF & MEZZANINE FRAMING PLAN

S2.02

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