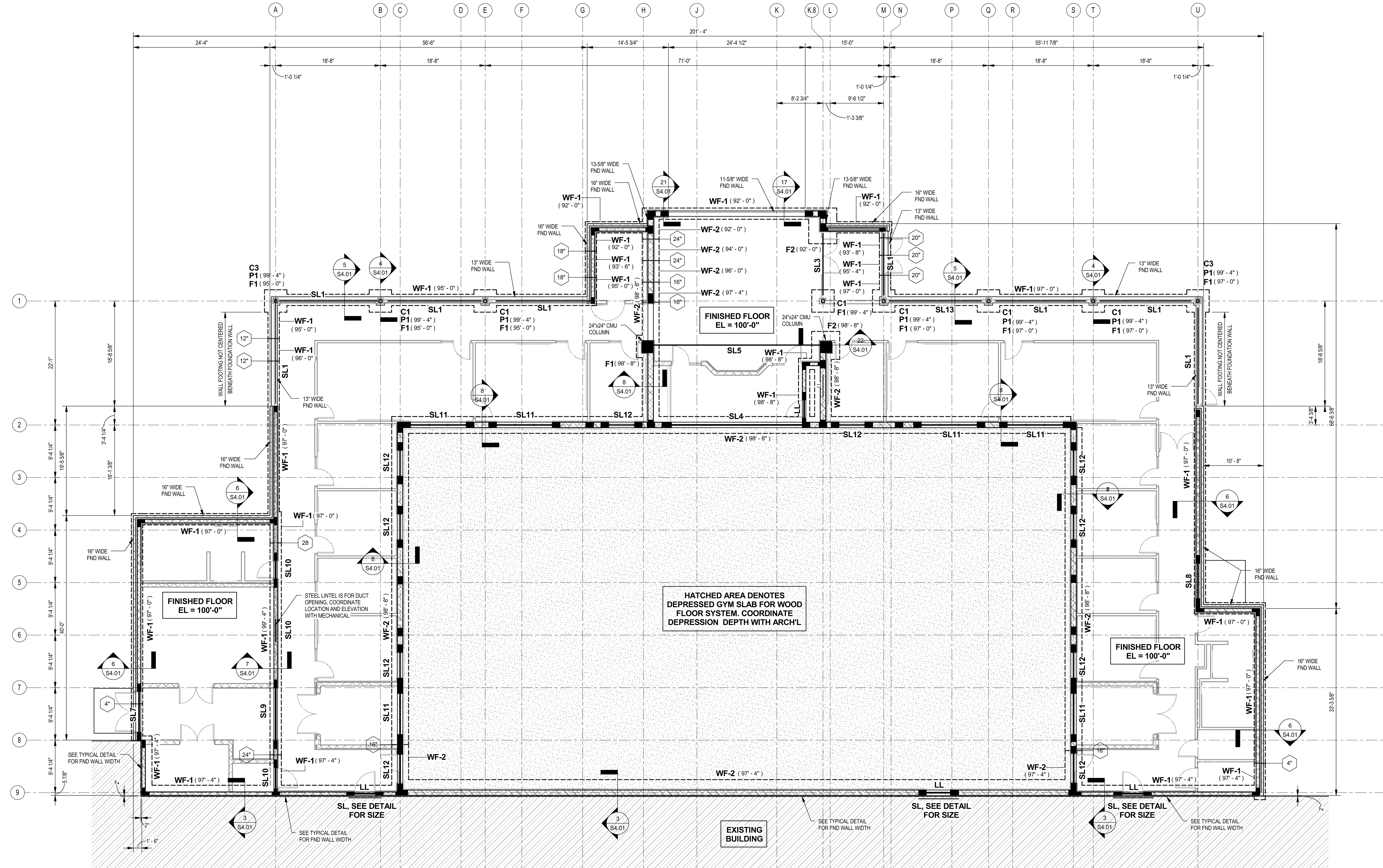


BUILDING NORTH

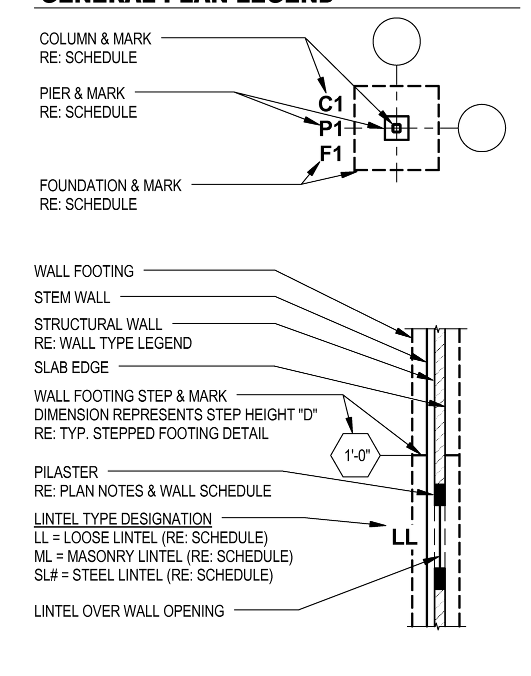
FOUNDATION PLAN

1/8" = 1'-0"

PLAN NOTES - FOUNDATION

1. *The finished floor elevation shall be +100'-0" unless noted otherwise.*
2. *The slab-on-grade construction shall be 4" normal weight concrete on plastic vapor retarder on 4" of compacted porous aggregate fill. Reinforce the slab with WWF 6x6-W2.9xW2.9 (flat sheets only). WWF shall be adequately supported by and tied to wire slab bolsters. The use of masonry blocks to support the WWF is prohibited*
3. *Provide control joints (and construction joints if needed) in the slab-on-grade per the typ. Slab-on-grade joint construction detail. Control joints shall be located at column centerlines and spaced at 12'-0" maximum in between.*
4. *The footings have been designed for a net allowable soil bearing pressure of 2000 psf and 2500 psf for continuous and spread footings respectively.. The bearing stratum of all footings shall be inspected and approved by the geotechnical engineer prior to pouring concrete.*
5. *For information on soil condition and special soil conditions on excavation, filling, and backfilling see the geotechnical exploration report. For conditions where engineered fill is required, placement and compaction shall be overseen by the testing laboratory.*
6. *Place footings in the same day excavations are opened. If this is not possible, adequately protect the exposed material in the bases of the footing excavations from any detrimental change in condition such as disturbance from rain or freezing. Prevent surface runoff from entering excavations.*
7. *Mechanical openings through concrete walls & slabs larger than 8 inches in diameter, not shown on the structural drawings, must be approved by the engineer. Openings 8 inches in diameter or less shall have at least 1 foot clear between openings unless approved by the engineer. Coordinate the installation of sleeves with the construction of formwork & installation of reinforcing steel.*
8. *All column piers shall be centered beneath columns and poured monolithically with the foundation walls, unless noted otherwise.*
9. *All spread footings shall be centered beneath the columns. All continuous wall footings shall be centered beneath the walls.*
10. *All reinforcement anchorages and lap splices shall meet the requirements of ACI 318-08.*
11. *Field bending of reinforcement is prohibited.*
12. *Foundation wall reinforcement shall be continuous thru column piers. Wall footing reinforcement shall be continuous thru spread footings. Provide corner bars for all foundation walls and wall footings.*
13. *All vertical reinforcement dowels in walls and piers shall be tied to the bottom reinforcement mat of the footings. "Floating" the dowels into place during concrete placement will not be permitted.*
14. *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.*
15. *All ground level, non-loadbearing cmu walls shall bear on a thickened slab whether they are noted on plan or not. See the "thickened slab-on-grade at stair / non-bearing cmu wall" for required construction of the thickened slab.*

GENERAL PLAN LEGEND



"*" DENOTES THE ELEVATION IS TO MATCH THE EXISTING ELEVATION

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 REQUIEMENTS

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

BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.
1215 DIUGUID DR. MURRAY, KY 42071 P: 270.753.7307
500 S. 17th ST. PADUCAH, KY 42003 P: 270.443.1995
403 N. COURT ST. MARION, IL 62959 P: 618.997.9190
FORMERLY GEOTECH ENGINEERING & TESTING, INC.
WWW.BFWENGINEERS.COM

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STATE OF KENTUCKY
CHRISTOPHER M. WHITING
24119
LICENSED STRUCTURAL ENGINEER
SIGNED: 01/06/12
EXPIRES: 06/30/12

Hastings+Chivetta
ARCHITECTURE • PLANNING • ENGINEERING
622 Emerson, Suite 200 | Saint Louis, Missouri 63141 | Tel.314.863.5717 | Fax.314.863.2823 | www.hastingschivetta.com
CIVIL: BACON FARMER WORKMAN ENGINEERING & TESTING, INC., 1215 DIUGUID DRIVE, MURRAY, KENTUCKY 42071
STRUCTURAL: BACON FARMER WORKMAN ENGINEERING & TESTING, INC., 403 N. COURT ST., MARION, ILLINOIS 62959
MEP: MARCUM ENGINEERING, LLC, 500 SOUTH 17TH STREET, PADUCAH, KY, 42002

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MURRAY STATE UNIVERSITY
FACILITIES DESIGN AND CONSTRUCTION
DEPARTMENT FOR FACILITIES MANAGEMENT
615 GILBERT GRAVES DRIVE, MURRAY, KY 42071-3354
CHIEF FACILITIES OFFICER AND DIRECTOR FOR FACILITIES DESIGN & CONSTRUCTION
APPROVED FOR PROGRAM CONCEPT ONLY
DATE 01/06/12

SPORTS PRACTICE FACILITY
MURRAY STATE UNIVERSITY
MURRAY, KENTUCKY
BID SET - 2012-01-10

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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 -
FOUNDATION PLAN

S2.01