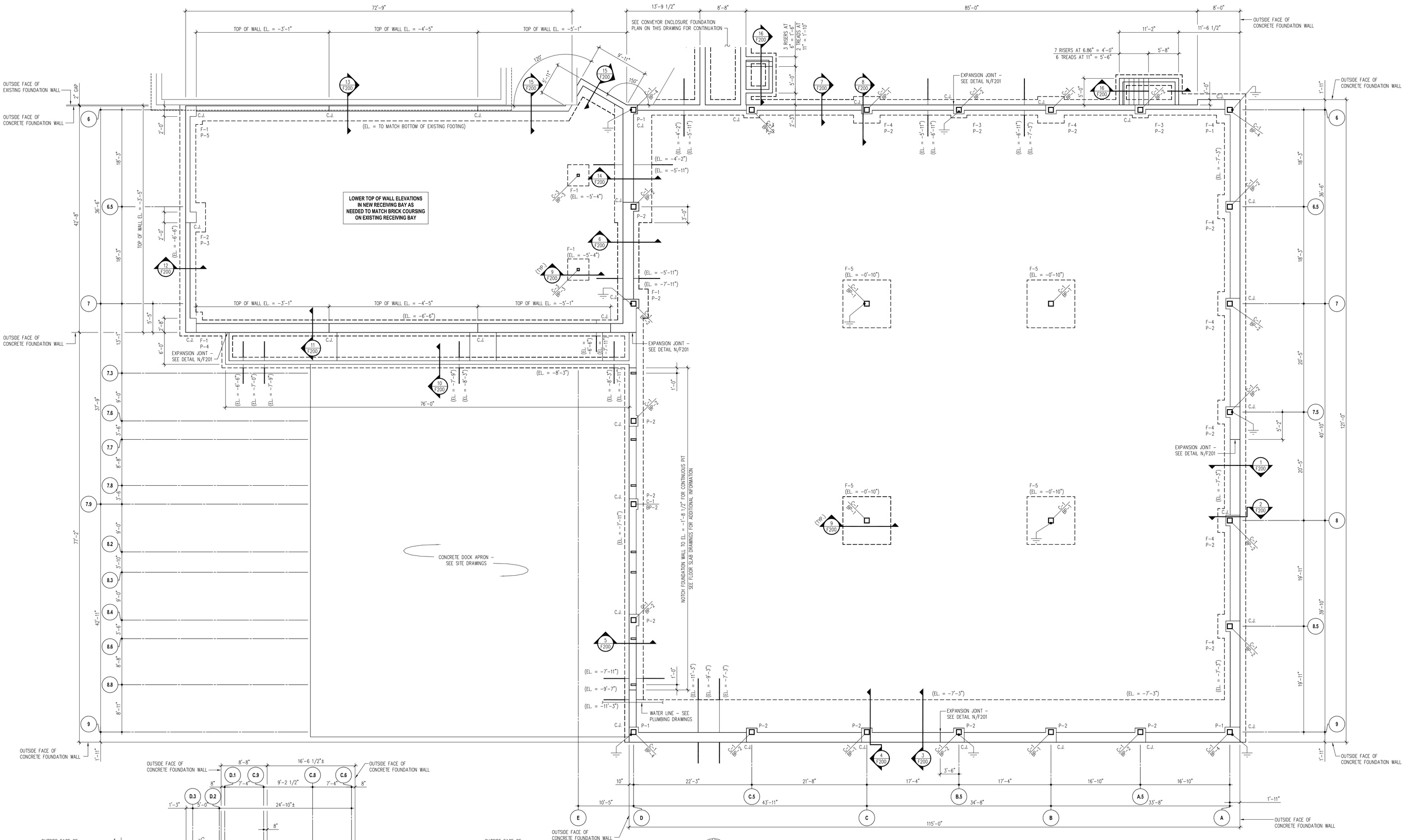
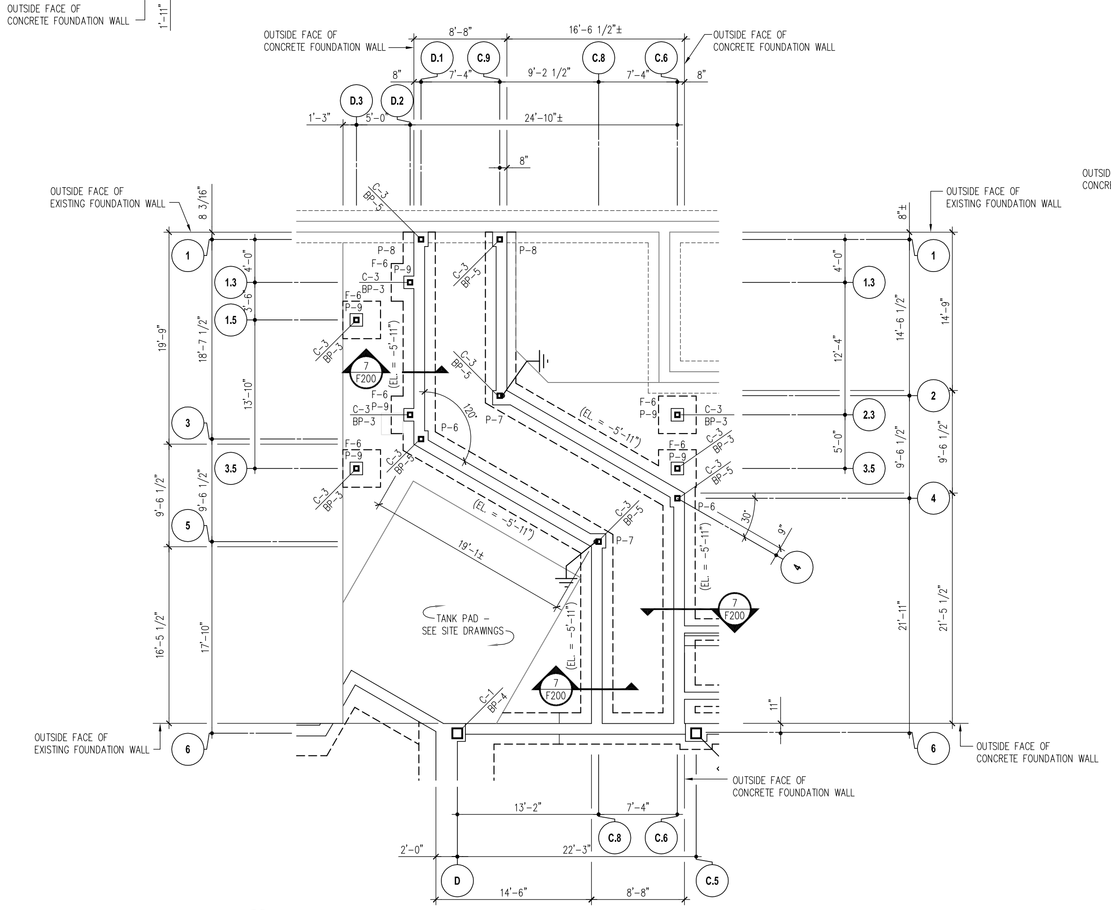


FOUNDATION PLAN

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

PLAN NOTES:
1. COORDINATE COLUMN GROUNDING REQUIREMENTS WITH ELECTRICAL DRAWINGS PRIOR TO PLACING FOOTINGS OR PIERS. ⚡ INDICATES TYPICAL GROUND. SEE DETAIL 'B' ON DRAWING F201.
2. TOP OF WALL EL. = -0'-10" UNLESS NOTED OTHERWISE.



CONVEYOR ENCLOSURE FOUNDATION PLAN

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

PIER SCHEDULE

SEE DRAWING F201 FOR PIER DETAILS

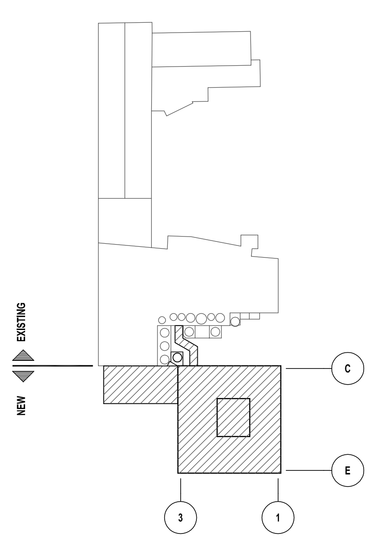
MARK	SIZE (A x B)	VERTICAL REINFORCING	TIES
P-1	22"x 22"	(8) #6 BARS	#3 AT 12" O.C.
P-2	20"x 24"	(8) #6 BARS	#3 AT 12" O.C.
P-3	24"x 24"	(8) #6 BARS	#3 AT 12" O.C.
P-4	16"x 32"	(6) #6 BARS	#3 AT 12" O.C.
P-5	16"x 24"	(6) #5 BARS	#3 AT 12" O.C.
P-6	16"x 16"	(4) #6 BARS	#3 AT 12" O.C.
P-7	16"x 16"	(4) #6 BARS	#3 AT 12" O.C.
P-8	16"x 16"	(4) #6 BARS	#3 AT 12" O.C.
P-9	14"x 14"	(4) #6 BARS	#3 AT 12" O.C.

FOOTING SCHEDULE

MARK	SIZE	THICKNESS	REINFORCING (EA. WAY BOTT.-U.N.O.)
F-1	4'-0"x4'-0"	1'-6"	(5) #4 BARS
F-2	5'-6"x 5'-6"	1'-6"	(6) #5 BARS
F-3	3'-0"x 3'-0"	1'-0"	(3) #4 BARS
F-4	5'-0"x 5'-0"	1'-6"	(6) #5 BARS
F-5	9'-0"x 9'-0"	2'-0"	(10) #6 BARS
F-6	3'-6"x 3'-6"	1'-4"	(3) #5 BARS TOP AND BOTTOM

FOUNDATION NOTES

1. ELEVATIONS:
   a. ALL ELEVATIONS ON PLANS AND SCHEDULES NOTED THUS (0'-0") MEASURED FROM FINISH FLOOR ELEVATION (0'-0" (29.42")).
2. FOOTING DESIGN:
   a. FOUNDATIONS ARE DESIGNED TO MEET THE RECOMMENDATIONS CONTAINED IN A REPORT PREPARED FOR THIS PROJECT BY R.W. GILLESPIE AND ASSOCIATES, INC., DATED JULY 8, 2003.
3. FOOTINGS:
   a. ALL ELEVATIONS ON PLANS AND SCHEDULES NOTED THUS (0'-0") DESIGNATE TOP OF FOOTING ELEVATIONS.
   b. BOTTOM OF EXTERIOR FOOTINGS TO BE 5'-0" MIN. BELOW GRADE.
   c. STEP FOOTINGS DOWN AT 2:1 TO PASS UNDER ALL PIPES.
   d. CENTER COLUMN PIERS AND FOOTINGS ON COLUMN LINES, AND CENTER WALL FOOTINGS UNDER WALLS UNLESS SHOWN OTHERWISE.
   e. NO FOOTING SHALL BE PLACED IN WATER OR UPON FROZEN GROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND PROTECTING EXCAVATIONS FROM DAMAGE AS NECESSARY DURING CONSTRUCTION.
   f. IF THE INTERIOR OF THE BUILDING WILL BE EXPOSED TO FREEZING TEMPERATURES FOR EXTENDED PERIODS DURING CONSTRUCTION, THE INTERIOR FOOTINGS SHOULD BE ADJUSTED TO BEAR 5'-0" MINIMUM BELOW ADJACENT GRADE.
   g. FOR PROTECTION OF ADJACENT WORK, SHORE, SHEET AND BRACE EXCAVATIONS AS REQUIRED TO ASSURE COMPLETE SAFETY AGAINST COLLAPSE OF EARTH AND DAMAGE TO ADJACENT PROPERTY INCLUDING, BUT NOT LIMITED TO, ADJACENT BUILDINGS, PAVING, AND UTILITY LINES.
4. BEARING:
   a. FOOTINGS TO BEAR ON UNDISTURBED, NATURALLY DEPOSITED, INORGANIC SOIL OR COMPACTED STRUCTURAL FILL WITH A SAFE BEARING CAPACITY OF NOT LESS THAN 3000 PSF. ADJUST FOOTING ELEVATION OR SIZE AS DIRECTED BY THE ENGINEER, IF SUITABLE BEARING IS NOT FOUND AT THE ELEVATIONS INDICATED.
   b. PRIOR TO CONSTRUCTION, THE ADEQUACY OF ALL FOUNDATION SOILS SHALL BE VERIFIED. UNSUITABLE MATERIAL, INCLUDING DEBRIS, VEGETATION, ORGANIC MATERIAL, OR DELETERIOUS MATERIAL SHALL BE REMOVED AND WASTED FROM THE AREAS WHICH SUPPORT FOUNDATIONS AND FLOOR SLABS. OVER EXCAVATE ALL UNSUITABLE SOIL TO UNDISTURBED SOIL AND REPLACE WITH COMPACTED STRUCTURAL FILL. OTHERWISE, BACKFILL WITH APPROVED STRUCTURAL FILL PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
5. CONCRETE:
   a. SEE SPECIFICATIONS FOR ALL CONCRETE STRENGTH AND SLUMP REQUIREMENTS.
   b. FOR ALL CONCRETE REINFORCING AND WELDED WIRE FABRIC, SEE SPECIFICATIONS.
6. PLACEMENT:
   a. ARRANGE AND SUPPORT REINFORCING BARS AS PER C.R.S.I. "MANUAL OF STANDARD PRACTICE".
   b. ALL HORIZONTAL FOUNDATION WALL REINFORCING SHALL BE CONTINUOUS THROUGH ALL PIERS.
   c. ARRANGE PIER VERTICALS AND PROVIDE TIES IN ACCORDANCE WITH ACI 315, UNIVERSAL COLUMN TIES FOR STANDARD COLUMNS.
   d. CONCRETE PROTECTION FOR REINFORCING SHALL BE AS FOLLOWS (U.N.O.):
      FOOTINGS ..... 3" CLEAR ALL AROUND
      WALLS ..... 1 1/2" CLEAR ALL AROUND
      PIERS ..... 1 1/2" CLEAR FOR TIES
      2" CLEAR FOR VERTICALS
   e. LAP SPLICES SHALL BE A MINIMUM OF 36 BAR DIAMETERS UNLESS DETAILED OR NOTED OTHERWISE.
   f. LAP HORIZONTAL REINFORCING BARS 24" AROUND CORNERS OF FOOTINGS AND WALLS.
   g. PLACE #5 BARS IN EACH FACE AROUND ALL WALL OPENINGS. EXTEND BARS 2'-0" BEYOND OPENING.
   h. PLACE ANCHOR BOLTS IN CONFORMITY WITH ANCHOR BOLT PLAN PREPARED BY THE STEEL FABRICATOR.
   j. CAST ANCHORS, SLEEVES, INSERTS, CONDUITS, PIPES, ETC. INTO CONCRETE AS SHOWN ON ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER DRAWINGS.
   k. BRACE WALLS AND PIERS AS REQUIRED DURING BACKFILLING AND COMPACTING.
   l. PROVIDE VERTICAL CONTROL JOINTS IN CONCRETE WALLS AT FACE OF CONCRETE PIERS OR MAXIMUM 25'-0" O.C. USE 3/4" DEEP x 3/4" WIDE VERTICAL CHAMFER STRIPS AND CONTINUE REINFORCING THROUGH THE JOINT. CAULK JOINT.
   m. PROVIDE VERTICAL CONSTRUCTION JOINTS IN CONCRETE WALLS AT FACE OF CONCRETE PIERS OR MAXIMUM 60'-0" O.C. USE 3/4" DEEP x 3/4" WIDE VERTICAL CHAMFER STRIPS AT JOINT AND CONTINUE HORIZONTAL REINFORCING THROUGH JOINT. CAULK JOINT.
7. TESTING:
   a. FOR ALL CONCRETE AND SOIL TESTING REQUIREMENTS, SEE SPECIFICATIONS.
8. FINISHES:
   a. STEEL TROWEL ..... FOR ALL FLOORS
   b. BROOM ..... FOR EXTERIOR STAIRS AND CONCRETE PAVING
   c. GROUT CLEANED ..... FOR ALL OTHER SURFACES EXPOSED TO VIEW



KEY PLAN

N.T.S.

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REVISIONS

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DRAWN BY: G.L.B.
CHECKED BY: J.A.S.
SEAL:

PROJECT:

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Oakhurst DAIRY

364 FORREST AVENUE
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PROJECT NUMBER: 0167.00

DATE: MARCH 1, 2004

DRAWING TITLE: FOUNDATION PLAN, NOTES, AND SCHEDULES

DRAWING NUMBER: F100

REVISION: 0

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