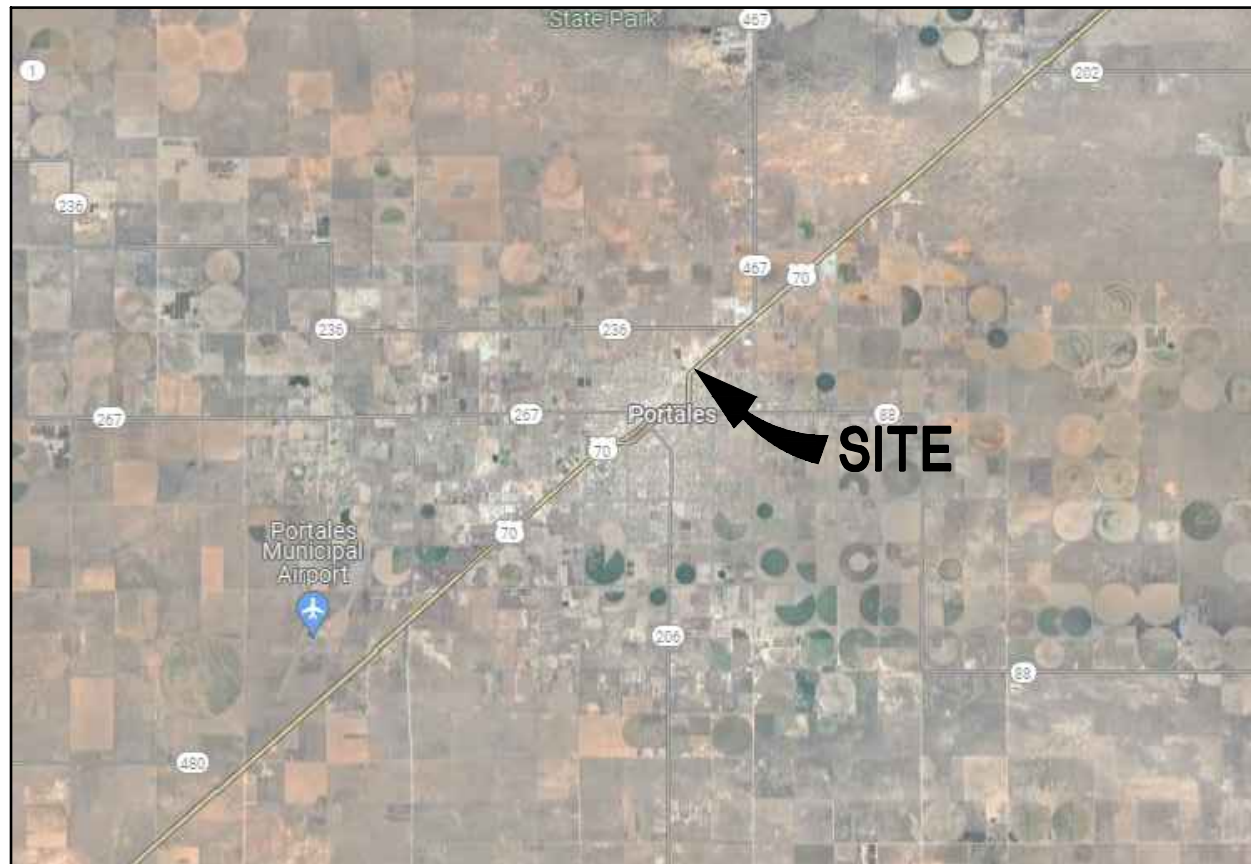


# ROOSEVELT COUNTY FAIR GROUNDS HORSE STALL IMPROVEMENTS

100% CONSTRUCTION DOCUMENTS  
03/20/2024

### LOCATION MAP



### VICINITY MAP



### PROJECT INFORMATION

OWNER: ROOSEVELT COUNTY  
109 W. 1ST STREET,  
PORTALES, NM 88130

PROJECT ADDRESS: 705 E LIME ST.  
PORTALES, NM 88130

### PROJECT DESCRIPTION

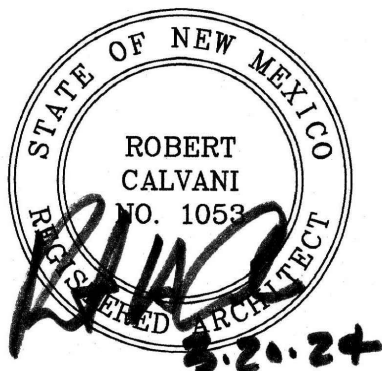
THE SCOPE OF WORK FOR THIS PROJECT IS TO BUILD 2 NEW 10,824. S.F. PRE MANUFACTURED METAL BUILDINGS, CONSISTING OF EXPOSED FRAMING AND OPEN SPAN CONSTRUCTION. EXTERIOR SITE IMPROVEMENTS INCLUDE GRADING, DRAINAGE, AND SITE ELECTRICAL UTILITIES. THERE WILL BE 50 EXISTING HORSE STALLS CONSTRUCTED FROM 12'-0" CORRAL PANELS AND 12'-0" CORRAL PANELS WITH GATE. THERE WILL BE 50 NEW HORSE STALLS CONSTRUCTED FROM 12'-0" CORRAL PANELS AND 12'-0" CORRAL PANELS WITH GATE. THESE 100 HORSE STALLS ARE TO BE LOCATED INSIDE OF PRE MANUFACTURED METAL BUILDINGS AFTER CONSTRUCTION.

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SET NO.:

PROJECT: A1816.23

**CIVIL**  
**MILLER ENGINEERING CONSULTANTS**  
3500 COMANCHE RD NE, SUITE F  
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(505) 888-7500

**STRUCTURAL**  
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(505) 343-8759 FAX

**MECHANICAL & PLUMBING:**  
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(505) 761-3105 FAX

**ELECTRICAL:**  
**A C ENGINEERING ENTERPRISES**  
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ABBREVIATIONS

SYMBOLS USED AS ABBREVIATIONS:

	ANGLE
	CENTERLINE
	CHANNEL
	PENNY
	PERPENDICULAR
	ROUND/DIAMETER
	SQUARE FEET
	AT

ABBREVIATIONS:

ABOVE FINISHED FLOOR	AFF	MANUFACTURE(R)	MFR
ACCESS FLOOR	ACS FLR	MARKER BOARD	MB
ACCESSIBLE	ACC	MASONRY	MAS
ACOUSTICAL	ACOUS	MASONRY OPENING	MO
AMERICAN DISABILITIES ACT	ADA	MATERIAL(S)	MATL
AGGREGATE	AGGR	MAXIMUM	MAX
ARCHITECT(URAL)	ARCH	MECHANICAL	MECH
BEAM	BM	METAL BUILDING MANUFACTURER	MBM
BEARING	BRG	METAL	MTL
BELOW FINISHED FLOOR	BFF	METAL THRESHOLD	MT
BENCHMARK	BM	MINIMUM	MIN
BOARD	BD	MISCELLANEOUS	MISC
BOTTOM	BOT	MUD MAT	MM
BOTTOM OF STEEL	BOS		
BUILDING	BLDG		
		NOMINAL	NOM
CARPET	CPT	NOT IN CONTRACT	NIC
CAST IRON	CI	NOT TO SCALE	NTS
CEILING	CLG		
CERAMIC	CER	ON CENTER(S)	OC
CHALK BOARD	CH BD	OPPOSITE	OPP
COLUMN	COL	OPPOSITE HAND SIMILAR	OHS
CONCRETE	CONC	OUTSIDE DIAMETER	OD
CONCRETE MASONRY UNIT	CMU	OWNER FURNISHED/CONTRACTOR INSTALLED	OF/CI
CONSTRUCTION	CONSTR		
CONTINUOUS OR CONTINUE	CONT	PLASTER	PLAS
CONTROL JOINT	CJ	PLATE	PL
CORRIDOR	CORR	PLYWOOD	PLYWD
		POINT	PT
DETAIL	DET	POLYVINYL CHLORIDE	PVC
DIAMETER	DIA	POUNDS PER CUBIC FOOT	PCF
DIMENSION	DIM	POUNDS PER LINEAL FOOT	PLF
DOWN	DN	POUNDS PER SQUARE FOOT	PSF
DRINKING FOUNTAIN	DF	POUNDS PER SQUARE INCH	PSI
		QUARRY TILE	QT
ELECTRIC(AL)	ELEC		
ELECTRIC WATER COOLER	EWC	REQUIRE(D)	REQ(D)
ELEVATION	EL	RETURN AIR	RA
EXISTING	EXIST	RIGHT OF WAY	ROW
EXPANSION JOINT	EJ	ROOF DRAIN	RD
EXPOSED	EXP	ROOF LEADER	RL
EXTERIOR	EXT	ROUGH OPENING	RO
EXTERIOR INSULATION & FINISH SYSTEM	EIFS		
		SECTION	SECT
FACE OF CONCRETE	FOC	SERVICE SINK	SERV SK
FACE OF MASONRY	FOM	SHEATHING	SHTHG
FACE OF STUD	FOS	SIMILAR	SIM
FACE OF SHEATHING	FOSHTHG	SOLID CORE	SC
FINISH(ED)	FIN	SPECIFICATION(S)	SPEC
FINISH FLOOR	FIN FLR	SQUARE	SQ
FIRE EXTINGUISHER (CABINET)	FE(C)	SQUARE FEET	SF or SQ FT
FLOOR CLEAN OUT	FCO	STRUCTURAL	STRUCT
FLOOR	FLR	SUSPENDED	SUSP
FLOORING	FLG	SYNTHETIC	SYNTH
FOOTING	FTG		
		TACKBOARD	TKBD
GALVANIZED IRON	GI	TONGUE & GROOVE	T&G
GAUGE	GA	TOP OF FOOTING	TOF
GENERAL CONTRACT(OR)	GC	TOP OF MASONRY	TOM
GLASS, GLAZING	GL	TOP OF SLAB (OR STEEL)	TOS
GLAZED CONCRETE MASONRY UNIT	GLZ CMU	TOP OF STUD WALL	TOSW
GYPSUM	GYP		
		VINYL COMPOSITION TILE	VCT
HANDICAP	HC	VERTICAL	VERT
HARDWARE	HDW		
HARDWOOD	HDWD	WATER CLOSET	WC
HEATING/VENTILATION/AIR CONDITIONING	HVAC	WATER HEATER	WH
HEIGHT	HT	WELDED WIRE FABRIC	WWF
HOLLOW CORE	HC		
HOLLOW METAL	HM		
HORIZONTAL	HORIZ		
HOSE BIBB	HB		

MATERIAL INDICATIONS

	EARTH		SAND
	CONCRETE		GRAVEL
	BRICK		WOOD (FINISH)
	CONCRETE BLOCK		WOOD (THROUGH MEMBER)
	STEEL		WOOD (INTERRUPTED MEMBER)
	BATT INSULATION		GYPSUM BOARD
	RIGID INSULATION or CABINETRY		PLYWOOD
			CEILING TILE
			PARTICLE BOARD

SYMBOLS

<b>A1</b>	<b>FLOOR PLAN</b>	DRAWING TITLE
	BOLD LINE INDICATES NORTH	NORTH ARROW
	SECTION OR DETAIL NUMBER SHEET WHERE DRAWN	DETAIL CALLOUT
	SECTION/ELEVATION NUMBER SHEET WHERE DRAWN	SECTION OR EXTERIOR ELEVATION MARKER
	ELEVATION NUMBER SHEET WHERE DRAWN	INTERIOR ELEVATION MARKER
	ELEVATION NUMBER SHEET WHERE DRAWN	MULTIPLE INTERIOR ELEVATION MARKER
		KEYNOTE
	ROOM NAME ROOM NUMBER	ROOM NAME AND NUMBER
	101	DOOR IDENTIFICATION
		WINDOW/FRAME IDENTIFICATION
		EQUIPMENT OR FIXTURE IDENTIFICATION
		INTERIOR PARTITION TYPE
		REVISION IDENTIFICATION
	ROOM AREA OCCUPANT LOAD FACTOR OCCUPANT LOAD	CODE INFORMATION
		STRUCTURAL GRID IDENTIFICATION
	100'-0" BRG. HT.	ELEVATION TARGET
	100'-6" FIN. FLR. 100'-0" FIN. FLR.	CHANGE IN LEVEL

GENERAL NOTES:

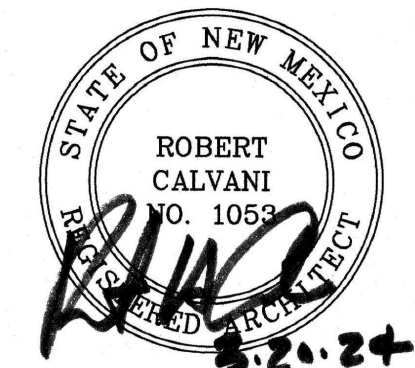
- A. THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING SITE CONDITIONS, AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT.
- B. ALL ACTIVE PIPING, EQUIPMENT, ETC., SERVING FIXTURES AND EQUIPMENT TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- C. ALL ACTIVE ELECTRICAL WIRING, EQUIPMENT, ETC., SERVING LIGHTING, POWER, ETC., TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- D. ALL WIRING, PIPING, AND EQUIPMENT FOR MECHANICAL OR ELECTRICAL USES WHICH HAVE BEEN, OR ARE TO BE ABANDONED SHALL BE REMOVED AND CAPPED OFF AS NECESSARY TO CONCEAL ALL REMAINING ELEMENTS WITHIN THE CONSTRUCTION TO REMAIN.



ARCHITECTS - PLANNERS - AIA

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ARCHITECT



CONSULTANT

PROJECT TITLE

**ROOSEVELT  
COUNTY  
FAIRGROUNDS  
HORSE  
STALLS**

**PORTALES  
NEW MEXICO**

REVISIONS:


MK DATE DESCRIPTION

DRAWN BY: CHECKED BY:

PROJECT NUMBER:

A1816.23

DATE:

3/20/2024

SHEET TITLE:

GENERAL INFORMATION

SHEET NO:

**G-101**







FILE NAME: C:\root\Projects\999999\000\ROOSEVELT COUNTY HORSE STALLS STRUCT\_ARCH\00002.dwg  
DATE: 11/16/2024 12:28:19 PM

GENERAL FOUNDATION NOTES

FOUNDATION NOTES

GENERAL:

THE FOUNDATION NOTES INCLUDED HEREIN ARE A SUMMARY OF THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT. THESE NOTES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.

IF THERE ARE DISCREPANCIES BETWEEN THE FOUNDATION NOTES AND THE PROJECT GEOTECHNICAL REPORT, THE PROJECT GEOTECHNICAL REPORT SHALL GOVERN.

A SUBSURFACE GEOTECHNICAL INVESTIGATION HAS BEEN MADE BY LYDICK ENGINEERS AND SURVEYORS, FILE NO. J24-1-1371.

A REPORT OF THAT INVESTIGATION DATED FEBRUARY 21, 2024 IS AVAILABLE FOR VIEWING BY THE CONTRACTOR.

THE FOUNDATION SYSTEM FOR THIS PROJECT IS SPREAD FOOTINGS OVER ENGINEERED FILL

ADDITIONAL INFORMATION CONCERNING THE SPECIFIC SITE SOIL CONDITIONS TO BE ENCOUNTERED ARE IN THE PROJECT GEOTECHNICAL REPORT AND SHALL BE REVIEWED AND FULLY UNDERSTOOD BY THE CONTRACTOR.

IF THERE ARE ANY QUESTIONS REGARDING THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT, THE CONTRACTOR SHALL ISSUE RFIS (REQUESTS FOR INFORMATION) TO THE ARCHITECT FOR CLARIFICATION. EARTHWORK SHALL NOT PROCEED UNTIL THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT ARE FULLY UNDERSTOOD BY THE CONTRACTOR.

FIELD OBSERVATION AND TESTS:

THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL ENGINEER TO OBSERVE ALL CONTROLLED EARTHWORK. THE GEOTECHNICAL ENGINEER SHALL PROVIDE CONTINUOUS ON-SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROLLED EARTHWORK. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY FIELD OPERATIONS OF THE CONTROLLED EARTHWORK.

TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING MINIMUM RATES. THE ON-SITE GEOTECHNICAL ENGINEER SHALL DETERMINE THE ACTUAL TESTING RATES:

ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF COMPACTED SUBGRADE, PRIOR TO PLACING STRUCTURAL FILL OR SLAB-ON-GRADE, WITH A MINIMUM OF 3 TESTS.

ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF STRUCTURAL FILL PLACED OR PER EACH HORIZONTAL LAYER OF STRUCTURAL FILL, WHICHEVER IS THE GREATER NUMBER OF TESTS.

ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, AS INDICATED BY THE SIEVE ANALYSIS AND THE PLASTICITY INDEX.

THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS.

CLEARING AND GRUBBING:

REMOVE ALL BRUSH, RUBBISH, GRASS, AND GRASS ROOTS FROM THE CONSTRUCTION AREA.

REMOVE STUMPS, MATTED ROOTS AND ROCKS LARGER THAN 2 INCHES IN DIAMETER WITHIN 6 INCHES OF THE SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED.

REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE USED AS FILL MATERIAL, BUT MAY BE STOCKPILED AND LATER USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BUILDING PAD.

SITE, SUBFLOOR AND BEARING SURFACE PREPARATION:

A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM COMPLETE EXCAVATION OF ANY UNCONTROLLED FILL.

OVEREXCAVATE ALL SOILS UNDERLYING FOOTINGS AND FLOOR SLAB AND ALL UNCONTROLLED FILL TO A MINIMUM DEPTH OF THREE FEET.

ALL EXPOSED SUBGRADE SOILS SHALL BE MOISTENED TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACTED TO THE DENSITY SPECIFIED HEREINAFTER.

PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN 8 INCHES IN LOOSE THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO DENSITY SPECIFIED HEREINAFTER.

ALL EARTHWORK FOR THE BUILDING PAD SHALL EXTEND A MINIMUM OF THREE FEET BEYOND THE PERIMETER OF THE FOOTINGS.

STRUCTURAL FILL REQUIREMENTS:

MATERIAL LARGER THAN 4 INCHES SHALL NOT BE PLACED IN THE STRUCTURAL FILL.

NO BRUSH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE MATERIAL SHALL BE PLACED IN THE STRUCTURAL FILL. MATERIAL SHALL BE PLACED IN SUCH A MANNER AS TO RESULT IN A UNIFORMLY COMPACTED FILL.

BASED ON THE REQUIREMENTS FOR THE STRUCTURAL FILL AND THE DESCRIPTION OF THE EXISTING SITE SOILS IN THE PROJECT GEOTECHNICAL REPORT, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MOST APPROPRIATE METHOD FOR PROVIDING THE REQUIRED STRUCTURAL FILL. DEPENDING ON THE SITE CONDITIONS, APPROPRIATE METHODS COULD INCLUDE REBLENDED OF THE EXISTING SITE SOILS, MIXING THE EXISTING SITE SOILS WITH IMPORTED FILL, OR REMOVING THE EXISTING SITE SOILS ENTIRELY AND REPLACING WITH IMPORTED FILL.

COMPACTION REQUIREMENTS:

IN ACCORDANCE WITH ASTM D1557 (MODIFIED PROCTOR), SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE MAXIMUM DRY DENSITY AT +/- 3% OPTIMUM MOISTURE CONTENT:

MATERIAL	MINIMUM PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUBGRADE BELOW STRUCTURAL FILL AT NON-EXPANSIVE SOILS	95
SUBGRADE BELOW STRUCTURAL FILL AT EXPANSIVE SOILS	90

GENERAL STRUCTURAL NOTES

CODES AND MANUALS:

IBC-21: INTERNATIONAL BUILDING CODE 2021  
ASCE/SEI 7-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES  
MBMA METAL BUILDING SYSTEMS MANUAL, 2018 EDITION  
ACI 318-19: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

DESIGN CRITERIA:

VERTICAL:

ROOF LIVE LOAD: LR = 20'R1'R2	20 PSF
REDUCTION FACTOR BASED ON TRIB AREA	R1=1.0
REDUCTION FACTOR BASED ON ROOF SLOPE	R2=1.0

SNOW LOAD

GROUND SNOW LOAD	PG=10 PSF
FLAT ROOF SNOW LOAD**	PF=10 PSF
SNOW EXPOSURE FACTOR	CE=1.0
SNOW LOAD IMPORTANCE FACTOR	IS=1.0
THERMAL FACTOR	CT=1.0
**INCLUDES 5 PSF RAIN-ON SNOW SURCHARGE LOAD	

HORIZONTAL:

WIND	
ULTIMATE DESIGN WIND SPEED	115 MPH
RISK CATEGORY	II
EXPOSURE	C

SEISMIC

SEISMIC IMPORTANCE FACTOR	IE = 1.0
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS	
SHORT PERIOD	SDS=0.088G
1 SECOND PERIOD	SD1=0.053G

ALLOWABLE SOIL BEARING PRESSURE = 2300 PSF

FROST DEPTH = 18 INCHES

GENERAL:

STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO THE SHOP DRAWINGS AND FIELD WORK.

COORDINATE DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, BLOCKOUTS, ETC. WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, PROJECT SHOP DRAWINGS, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL. THE STRUCTURAL DRAWINGS ONLY REPRESENT A PORTION OF THE REQUIREMENTS FOR THE PROJECT.

CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.

TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.

NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA

PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED, EITHER DIRECTLY OR INDIRECTLY, BY THE WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE ERECTION AND MAINTENANCE OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, COVERINGS, LIGHTS, AND OTHER PRECAUTIONS AS MAY BE REQUIRED. IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIVE, PROPER PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THIS PROTECTION, THE CONTRACTOR SHALL AT NO ADDITIONAL COST TO THE OWNER, INSTALL AND MAINTAIN SUCH ADDITIONAL PROTECTION AS MAY BE DIRECTED BY THE OWNER.

POLLUTION CONTROLS: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

DRAWINGS:

DO NOT SCALE DRAWINGS.

CAST-IN-PLACE CONCRETE:

ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-20.

NORMALWEIGHT CONCRETE:

- A. F'C = 4000 PSI @ 28 DAYS - ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES AND OCCASIONAL MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STEM WALLS, SITE WALLS, ETC...
- B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, TIE BEAMS, GRADE BEAMS, ETC.).

CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RATIOS, AND OTHER CRITERIA) SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BASED ON THE EXPOSURE CATEGORIES AND CLASSES DEFINED IN ACI 318 TABLE 19.3.1.1. USE AIR ENTRAINING ADMIXTURE IN ALL EXTERIOR CONCRETE.

COLD WEATHER CONCRETING: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH CAUSED BY FROST, FREEZING OR LOW TEMPERATURES. COMPLY WITH ACI 306.1.

HOT WEATHER CONCRETING: WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR THE QUALITY AND STRENGTH OF THE CONCRETE, REDUCE DELIVERY TIME OF READY-MIX CONCRETE, LOWER THE TEMPERATURE OF MATERIALS, OR ADD RETARDER TO ENSURE THAT THE CONCRETE IS PLASTIC. RE-TEMPERING WITH WATER IS NOT ALLOWED. COMPLY WITH ACI 305R.

GENERAL STRUCTURAL NOTES

THE CONTRACTOR IS ALLOWED TO CAST FOUNDATIONS AGAINST EXCAVATED SOIL SURFACES, PROVIDED THE FOLLOWING IS ADHERED TO:

- A. THE SIDE SLOPES OF THE EXCAVATION SHALL BE ABLE TO MAINTAIN VERTICAL SLOPE WITHOUT SOIL SLOUGHAGE.
- B. THE BOTTOM WIDTH OF THE EXCAVATION SHALL BE ONE INCH WIDER MINIMUM ON EACH SIDE THAN THE SPECIFIED FOOTING WIDTH.
- C. THE SIDE WALLS OF THE EXCAVATION SHALL BE BATTERED A MINIMUM OF ONE INCH HORIZONTAL TO TWELVE INCHES VERTICAL.
- D. IF SANDY OR LOOSE MATERIALS ARE ENCOUNTERED, THE FOOTING MUST BE FORMED.
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY SOIL SLOUGHAGE FROM THE WET CONCRETE DURING THE CASTING OPERATION.
- F. THE CONTRACTOR AGREES TO REMOVE AND RECAST ANY FOOTING WHERE THE ABOVE CONDITIONS ARE NOT MET.

ALL CONCRETE EXPOSED TO GROUND SHALL BE MANUFACTURED WITH PORTLAND CEMENT TYPE II OR TYPE V.

REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315).

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND INDICATED FIELD-BENT BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40.

TENSION AND COMPRESSION LAPS IN REINFORCING SHALL CONFORM TO THE LAP SPLICE SCHEDULE ON SHEET S-311 AND BE IN ACCORDANCE WITH ACI 318, CHAPTER 12, UNLESS NOTED OTHERWISE.

ALL HORIZONTAL REINFORCING IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT (CORNER) BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP 30 BAR DIAMETERS (18" MINIMUM).

CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

- A. CONCRETE FOR FOUNDATIONS CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
- B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER:
1. BARS LARGER THAN NO. 5: 2"
  2. BARS NO. 5 OR SMALLER: 1 1/2"

FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.

BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-99. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS.

CHAIRS WITH 22 GAGE SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GRADE.

PRE-ENGINEERED METAL BUILDING:

FOUNDATION CONFIGURATION AND SIZES SHOWN ON THESE DRAWINGS ARE BASED ON PRELIMINARY DESIGN CALCULATIONS. THESE SIZES MAY REQUIRE MODIFICATIONS PER THE METAL BUILDING MANUFACTURER'S FINAL GRAVITY AND LATERAL DESIGN CALCULATIONS.

THE METAL BUILDING MANUFACTURER SHALL PROVIDE FINAL GRAVITY AND LATERAL DESIGN CALCULATIONS FOR APPROVAL PRIOR TO THE COMMENCEMENT OF FOUNDATION EARTHWORK.

THE BUILDING SHALL BE A MANUFACTURER'S STANDARD PREFABRICATED METAL STRUCTURE OF THE APPROXIMATE INSIDE AREA SHOWN, EXCEPT AS NOTED. RIGID FRAMES SHALL BE SPACED AS SPECIFIED ON THE DRAWINGS, BUT OVERALL DIMENSIONS AND CONSTRUCTION DETAILS MAY VARY TO SUIT MANUFACTURER'S STANDARD DESIGN. MINIMUM WEB THICKNESS OF RIGID FRAMES SHALL BE 3/16".

THE BUILDING SHALL BE DESIGNED AND FABRICATED ACCORDING TO AISC, MBMA AND AISI SPECIFICATIONS. THE DIMENSIONAL TOLERANCES APPLICABLE TO ROLLED FORM STEEL UNDER THE AISC "STANDARD MILL PRACTICE" SECTION SHALL BE REQUIRED IN THE FABRICATION OF THE STEEL BUILDING FRAMES.

THE BUILDING FRAME SHALL BE DESIGNED TO LIMIT THE LATERAL DEFLECTION TO H/120 INCH AT THE BUILDING EAVE FOR THE SPECIFIED BASIC WIND SPEED.

THE BUILDING SHALL BE DESIGNED TO SUPPORT ALL MECHANICAL EQUIPMENT INCLUDING HEATERS, SPRINKLERS, EXHAUST SYSTEMS AND ALL OTHER DEVICES. ADDITIONAL GIRTS OR PURLINS SHALL BE PLACED IN CONVENIENT LOCATIONS FOR ATTACHMENT OF ALL MECHANICAL EQUIPMENT. THE CONTRACTOR SHALL COORDINATE THE MECHANICAL LOADS WITH THE METAL BUILDING MANUFACTURER AND THE MECHANICAL DRAWINGS.

DESIGN LOADS SHALL CONFORM WITH THESE GENERAL NOTES. LOAD COMBINATIONS SHALL COMPLY WITH MBMA SPECIFICATIONS.

ANCHOR BOLTS SHOWN ON THESE DRAWINGS ARE BASED ON PRELIMINARY DESIGN CALCULATIONS. THESE SIZES MAY REQUIRE MODIFICATIONS PER THE METAL BUILDING MANUFACTURER'S FINAL GRAVITY AND LATERAL DESIGN CALCULATIONS.

PREPARE THE SHOP DRAWINGS AND CALCULATIONS UNDER THE SEAL OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE STATE THE PROJECT IS LOCATED.

COORDINATE WITH ARCHITECTURAL DRAWINGS.

SPECIAL INSPECTION:

THE OWNER SHALL PROVIDE FOR SERVICES OF A CERTIFIED INSPECTOR (APPROVED BY THE BUILDING OFFICIAL OR THE ENGINEER OF RECORD) IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE SPECIAL INSPECTION ITEMS NOTED ON SHEET S-003.

DEFERRED SUBMITTALS:

THE DEFERRED SUBMITTALS LISTED BELOW ARE THOSE PORTIONS OF THE DESIGN THAT ARE NOT COMPLETED AT THE TIME OF APPLICATION FOR PERMIT AND ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL AND APPROVED PRIOR TO THE INSTALLATION OF THOSE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOLLOWING ITEMS:

PRE-ENGINEERED METAL BUILDING



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CONSULTANT



Signed Date: 03/06/2024

PROJECT TITLE

ROOSEVELT  
COUNTY  
FAIRGROUNDS  
HORSE STALLS

PORTABLES  
NEW MEXICO



**Chavez-Grieves**  
consulting engineers, inc.  
4700 Lincoln Road NE, Suite 102, Albuquerque, NM 87110  
505-344-4080 505-343-8759 (fax)

REVISIONS:


MK	DATE	DESCRIPTION
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DRAWN BY: CHECKED BY:

CO GB

PROJECT NUMBER:

A1816.23

DATE:

03/06/2024

SHEET TITLE:

**GENERAL  
STRUCTURAL  
NOTES**

SHEET NO:

**S-002**



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A

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS / TESTING - "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM HAVING THE INSPECTIONS OF THE JURISDICTION BUILDING DEPARTMENT PER SECTION 109 OF THE IBC PERFORMED. BOTH THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS AND "SPECIAL STRUCTURAL INSPECTION" SHALL BE PERFORMED.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE JURISDICTION BUILDING OFFICIAL AND SPECIAL INSPECTOR WHEN WORK IS READY FOR INSPECTION.
3. REPORTING FOR SPECIAL INSPECTION - SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN THREE (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.
4. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
5. SPECIAL INSPECTION OF SHOP FABRICATED MEMBERS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2, UNLESS FABRICATOR IS APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION.
6. IN ACCORDANCE WITH IBC CHAPTER 17, THE OWNER OR THE OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS. DURING CONSTRUCTION FOR THE TYPES OF WORK LISTED BELOW THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL IDENTIFIED IN IBC SECTION 110
7. DEFINITIONS:  
\* **SPECIAL INSPECTION:** INSPECTION AS HEREIN REQUIRED BY A QUALIFIED SPECIAL INSPECTOR COMPETENT WITH THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS (SEE SECTION 1704).  
\* **CONTINUOUS SPECIAL INSPECTION:** FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.  
\* **PERIODIC SPECIAL INSPECTION:** THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.

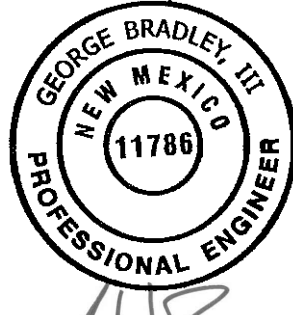
ITEM	DESCRIPTION OF REQUIREMENTS	REQUIRED (YES/NO)
SPECIAL INSPECTION OF STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH CHAPTER N OF AISC 360	YES
SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.2	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.3	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR MASONRY CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.4 AND REFERENCED STANDARDS	NO
SPECIAL INSPECTIONS AND VERIFICATIONS FOR WOOD CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.5	NO
SPECIAL INSPECTIONS AND VERIFICATIONS OF SOILS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.6, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE GENERAL FOUNDATION NOTES	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR DEEP FOUNDATIONS (DRIVEN PILES, CAST-IN-PLACE, OR HELICAL PILES AS APPLICABLE)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTIONS 1705.7-1705.10 AS APPLICABLE. THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE CONSTRUCTION DOCUMENTS	NO
SPECIAL INSPECTION OF FABRICATED ITEMS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.11	YES
SPECIAL INSPECTIONS FOR WIND RESISTANCE (REQUIRED ONLY FOR V= 150MPH OR GREATER IN EXPOSURE CATEGORY B, OR V=140MPH OR GREATER IN EXPOSURE CATEGORY C OR D)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.12	NO
SPECIAL INSPECTIONS AND TESTING FOR SEISMIC RESISTANCE (REQUIRED FOR STRUCTURES ASSIGNED TO CATEGORIES C, D, E, OR F)	TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF IBC 1705.13 AND 1705.14	YES



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Signed Date: 03/06/2024

PROJECT TITLE

ROOSEVELT  
COUNTY  
FAIRGROUNDS  
HORSE STALLS

PORTABLES  
NEW MEXICO



**Chavez-Grieves**  
consulting engineers, inc.  
4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109  
505-344-4080 505-343-8759 (fax)

REVISIONS :


MK	DATE	DESCRIPTION
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DRAWN BY: CHECKED BY:

CO GB

PROJECT NUMBER :

A1816.23

DATE :

03/06/2024

SHEET TITLE :

**SPECIAL  
INSPECTION  
TABLES**

SHEET NO :

**S-003**

A

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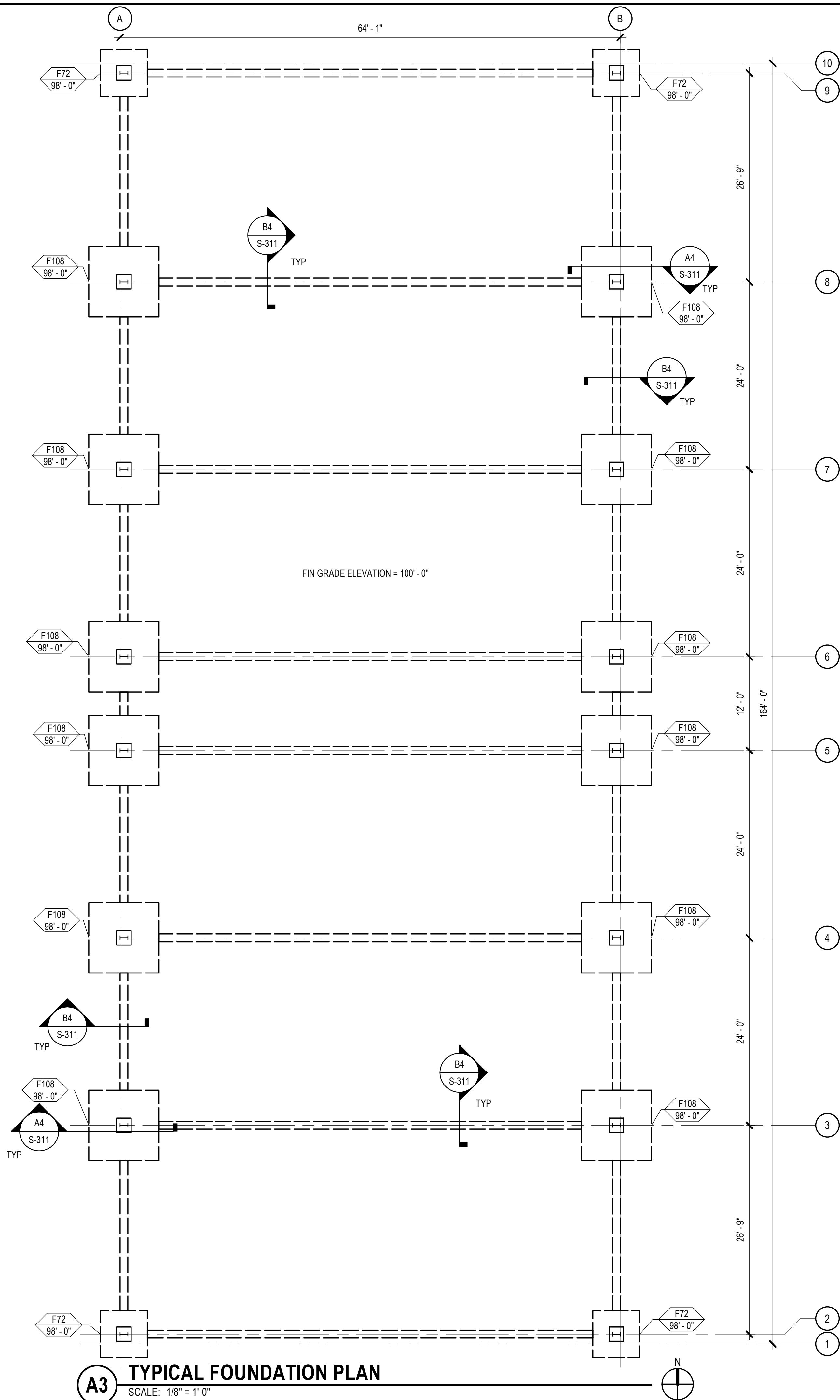
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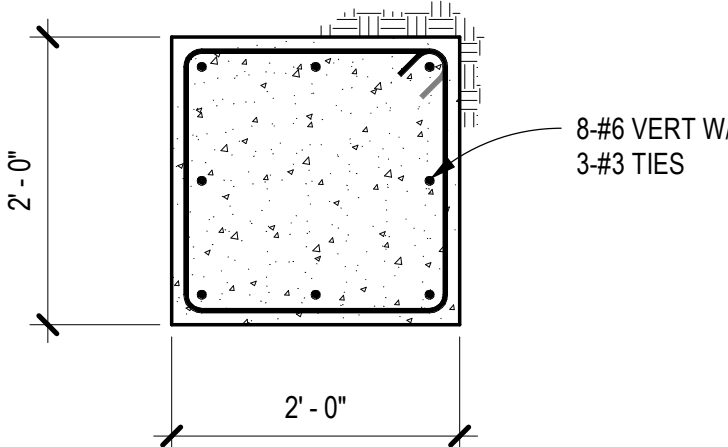
	<div>GENERAL SHEET NOTES</div> <div><div>1. REFERENCE FINISH GRADE ELEVATION 100'-0" = MEAN SEA FINISH FLOOR ELEVATION.</div><div>2. SEE SHEET S-311 FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.</div></div>																																																										
D	<div>NCA</div> <div>ARCHITECTS - PLANNERS - AIA</div> <div>1306 RIO GRANDE BLVD NW ALBUQUERQUE, NM 87104 505-255-6400    505-268-6954 FAX <a href="#">WWW.NCA-ARCHITECTS.COM</a></div> <div>ARCHITECT</div>																																																										
C	<div>CONSULTANT</div> <div><div><div>GEORGE BRADLEY III N.M. M.E.C.O. 11786 PROFESSIONAL ENGINEER</div><div>Signed Date: 03/06/2024</div></div><div>PROJECT TITLE</div><div>ROOSEVELT COUNTY FAIRGROUNDS HORSE STALLS</div><div>PORTABLES NEW MEXICO</div><div><div><div>CG</div><div>Chavez-Grieves consulting engineers, inc. 4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109 505-344-4080 · 505-343-8759 (fax)</div></div><div>REVISIONS:</div><table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>MK</td><td>DATE</td><td>DESCRIPTION</td></tr><tr><td colspan="2">DRAWN BY:</td><td>CHECKED BY:</td></tr><tr><td colspan="2">CO</td><td>GB</td></tr><tr><td colspan="3">PROJECT NUMBER:</td></tr><tr><td colspan="3">A1816.23</td></tr><tr><td colspan="3">DATE:</td></tr><tr><td colspan="3">03/06/2024</td></tr><tr><td colspan="3">SHEET TITLE:</td></tr><tr><td colspan="3">FOUNDATION PLAN</td></tr><tr><td colspan="3">SHEET NO:</td></tr><tr><td colspan="3">S-101</td></tr></table></div></div>																									MK	DATE	DESCRIPTION	DRAWN BY:		CHECKED BY:	CO		GB	PROJECT NUMBER:			A1816.23			DATE:			03/06/2024			SHEET TITLE:			FOUNDATION PLAN			SHEET NO:			S-101			A
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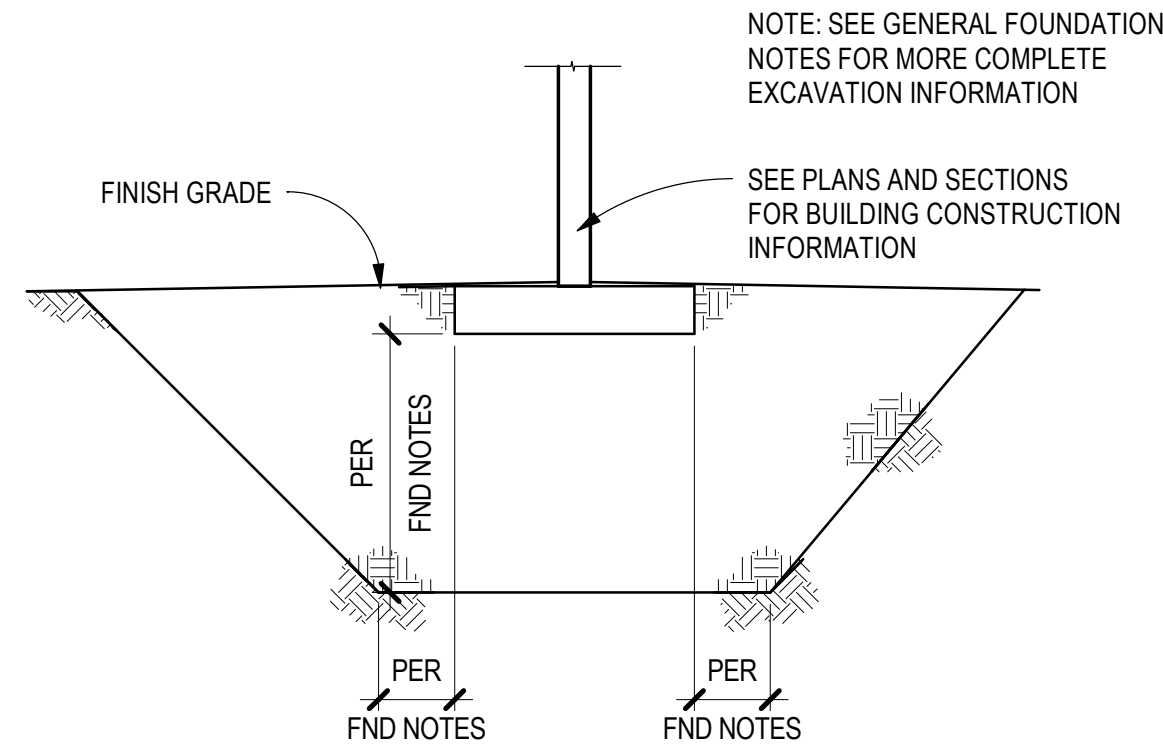


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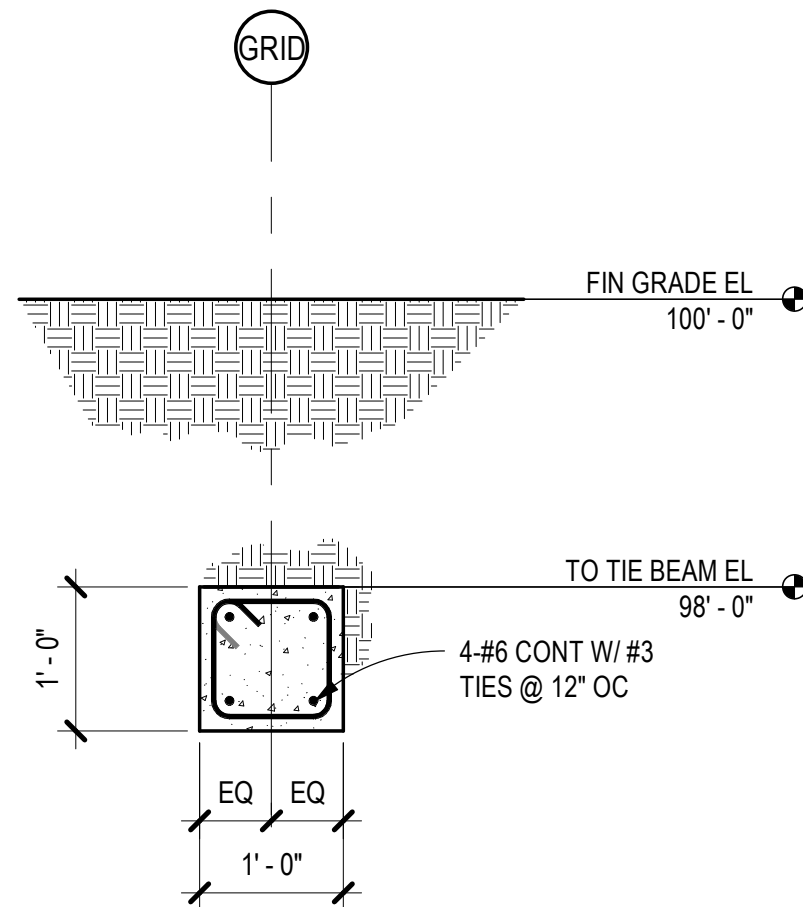
REINFORCING LAP SPLICE SCHEDULE								
REINFORCEMENT TYPE	#6 AND SMALLER (NUMBER OF BAR DIAMETERS)			#7 AND LARGER (NUMBER OF BAR DIAMETERS)			MINIMUM LENGTH (IN)	COMMENTS
	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI		
CONTINUOUS WALL FOOTINGS AND HORIZONTAL REINFORCEMENT IN SITE WALLS AND STEM WALLS	30	30	30	30	30	30	18	
CONCRETE WALLS: ALL VERTICAL REINFORCEMENT	57	50	45	72	62	56	12	
CONCRETE WALLS: ALL HORIZONTAL REINFORCEMENT, EXCLUDING SITE WALLS AND STEM WALLS	75	65	58	93	81	72	12	
CONCRETE COLUMNS	57	50	45	72	62	56	12	
TOP FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED FOOTING COLUMNS	75	65	58	93	81	72	12	
BOTTOM FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED COLUMN FOOTINGS	57	50	45	72	62	56	12	
MINIMUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BASE	22	19	17	22	19	17	6	ALLOWED FOR BARS LARGER THAN #11
SLABS ON-GRADE		30			30		12	
SLABS OVER METAL DECK		30			30		6	WELDED WIRE FABRIC MINIMUM LAP LENGTH = 6 INCHES
ALL CMU LAPS UNLESS NOTED OTHERWISE		48			48		18	
NOTES: 1. LAP SPLICES SHALL NOT BE PERMITTED FOR BARS LARGER THAN #11 IN CONCRETE OR #9 IN MASONRY. SUCH SPLICES SHALL USE APPROVED MECHANICAL CONNECTIONS 2. LAP SPLICES FOR BUNDLED BARS SHALL BE IN ACCORDANCE WITH ACI 318 3. LAP LENGTHS FOR LIGHTWEIGHT CONCRETE SHALL BE INCREASED BY 33% 4. LAP LENGTHS FOR EPOXY COATED BARS SHALL BE INCREASED BY 50% 5. FOR INTERMEDIATE OR LARGER VALUES OF F <sub>c</sub> , USE THE CLOSEST LOWER VALUE IN THE TABLE. DO NOT INTERPOLATE								



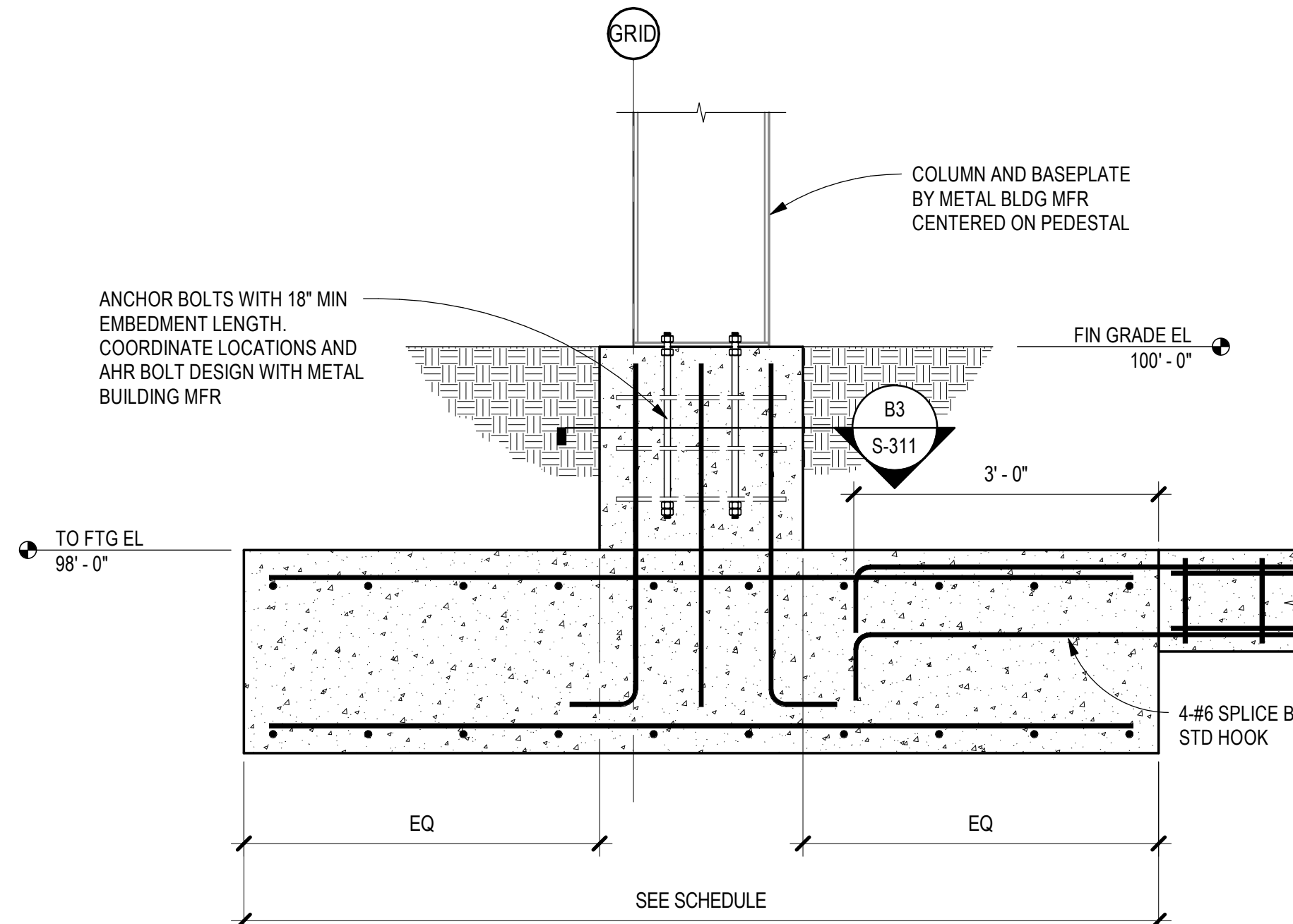
**B3** PEDESTAL SECTION  
SCALE: 3/4" = 1'-0"



**C4** TYPICAL FND EXCAVATION DETAIL  
SCALE: 1/4" = 1'-0"



**B4** TYPICAL TIE BEAM SECTION  
SCALE: 3/4" = 1'-0"



**A4** FOUNDATION SECTION  
SCALE: 3/4" = 1'-0"

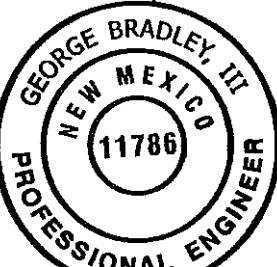


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Signed Date: 03/06/2024

PROJECT TITLE

ROOSEVELT  
COUNTY  
FAIRGROUNDS  
HORSE STALLS

PORTABLES  
NEW MEXICO



**Chavez-Grievos**  
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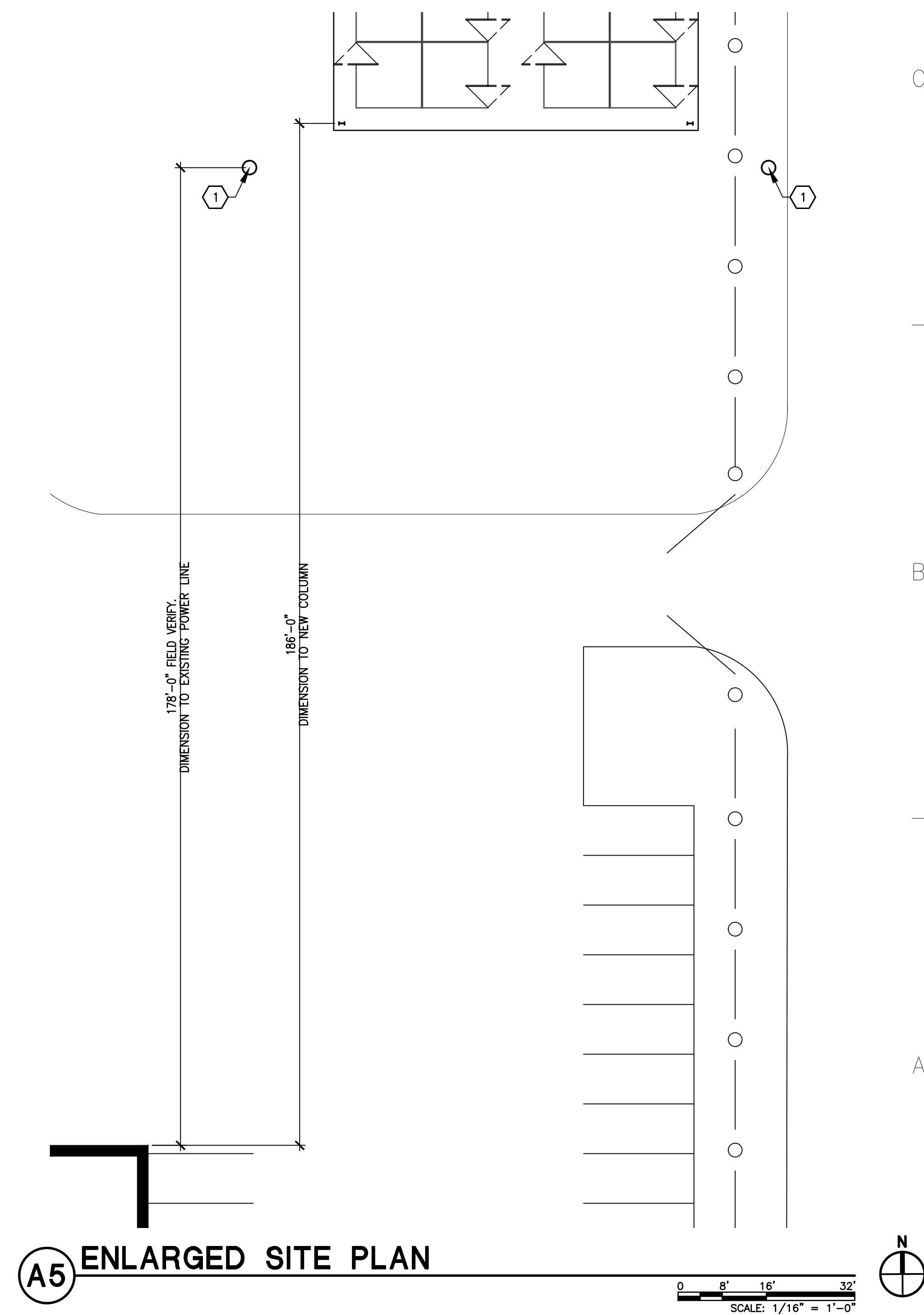
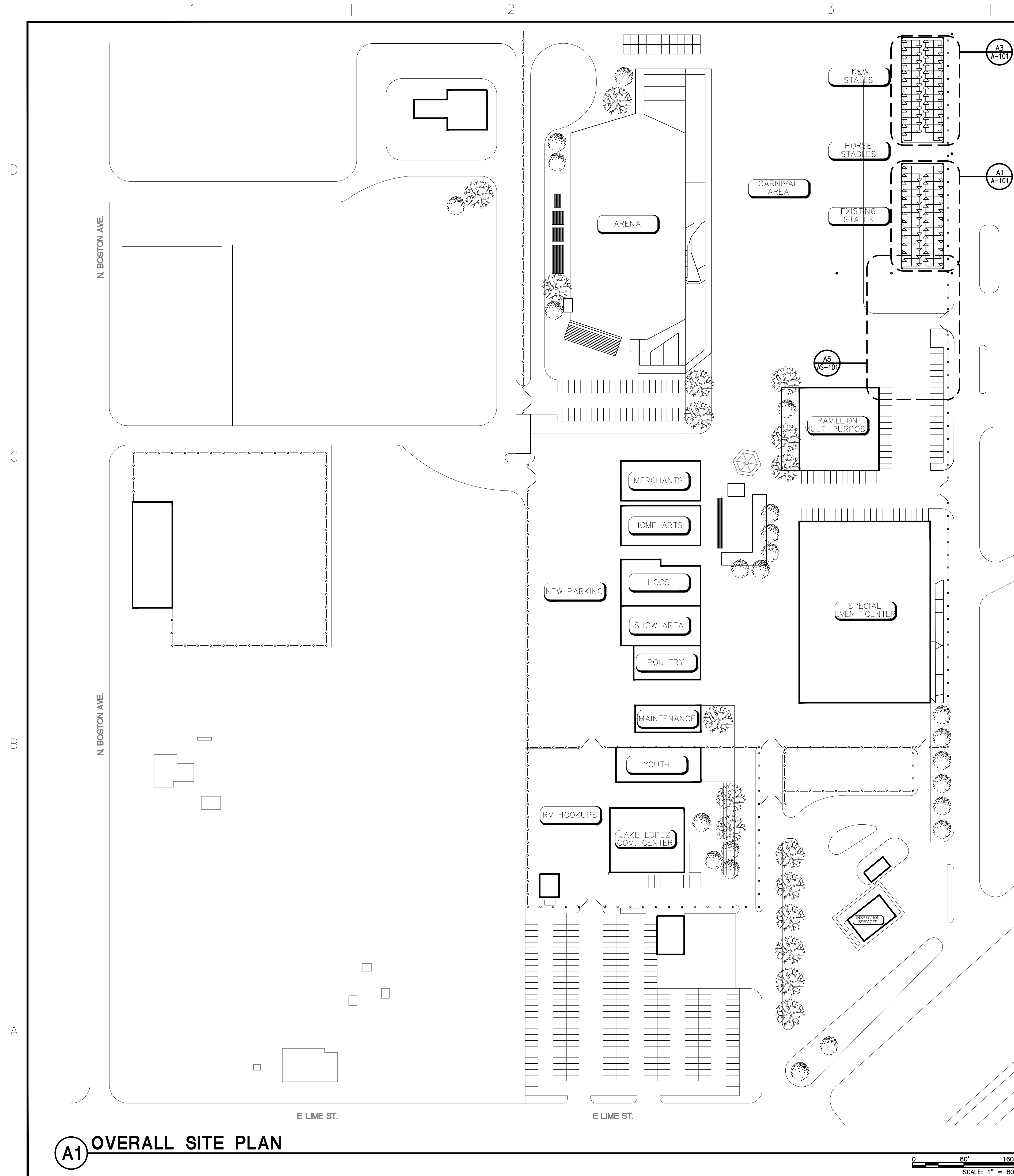
SHEET TITLE:

**FOUNDATION  
SECTIONS**

SHEET NO:

**S-311**





## GENERAL NOTES

- A. DRAWINGS WERE DERIVED FROM CONSTRUCTION DOCUMENTS OF THE ORIGINAL BUILDING AS WELL AS FIELD SURVEYS BY THE ARCHITECT. THE CONTRACTOR IS TO FIELD-VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING CONSTRUCTION, AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT.
- B. ALL ELECTRICAL EQUIPMENT AND CONDUIT ITEMS TO BE RELOCATED SHALL BE SALVAGED TO TEMPORARILY HOLD AND PROTECT UNTIL OWNER IS PREPARED TO TAKE POSSESSION, COVER AND PROTECT ITEMS FROM DETERIORATION DUE TO WEATHER, ETC.
- C. CONTRACTOR TO REPAIR OR REPLACE ALL ITEMS DAMAGED AS A RESULT OF CONSTRUCTION DURING COURSE OF WORK. RESTORE ALL REPAIRED ITEMS TO EXISTING APPEARANCE AND TO MAINTAIN ESBT OF ALL ITEMS.
- D. ALL ACTIVE PIPING, EQUIPMENT, ETC., SERVING FIXTURES AND EQUIPMENT TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- E. ALL ACTIVE ELECTRICAL WIRING, EQUIPMENT, ETC., SERVING LIGHTING, POWER, ETC., TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- F. REFER TO ELECTRICAL DRAWINGS FOR INSTALLATION OF LIGHTS.

## KEYED NOTES

1. EXISTING POWER LINES. FIELD VERIFY ALL DIMENSIONS.



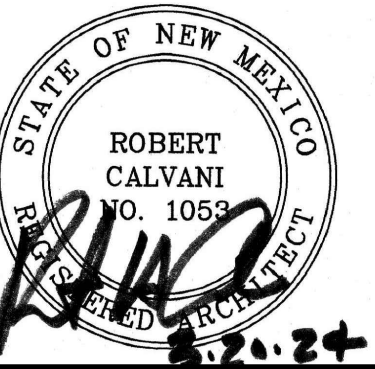
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## PROJECT TITLE

# ROOSEVELT COUNTY FAIRGROUNDS HORSE STALLS

**PORTALES  
NEW MEXICO**

## REVISIONS:

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PK	DATE	DESCRIPTION
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PROJECT NUMBER:

A1816.23

DATE:

3/20/2024

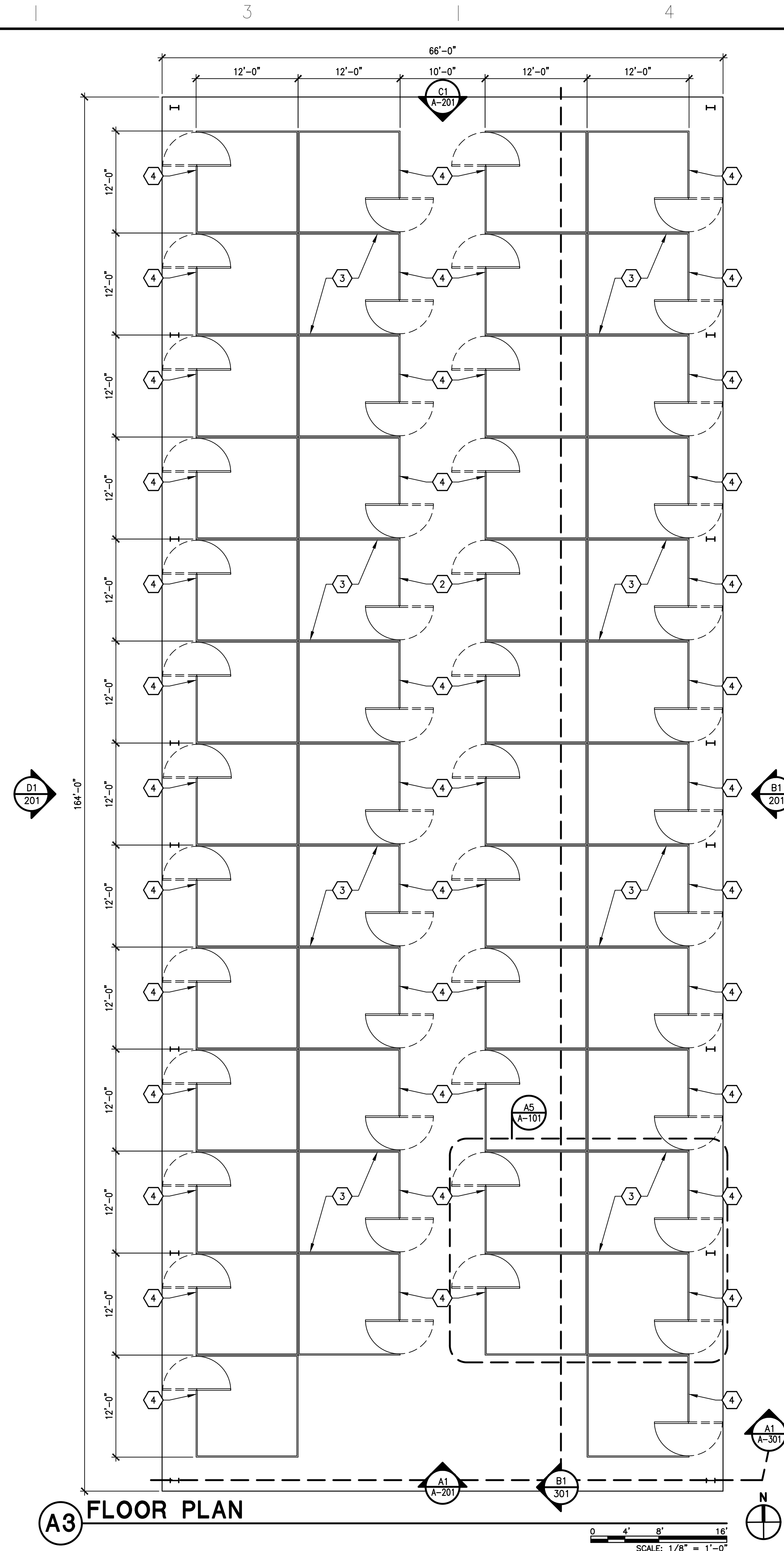
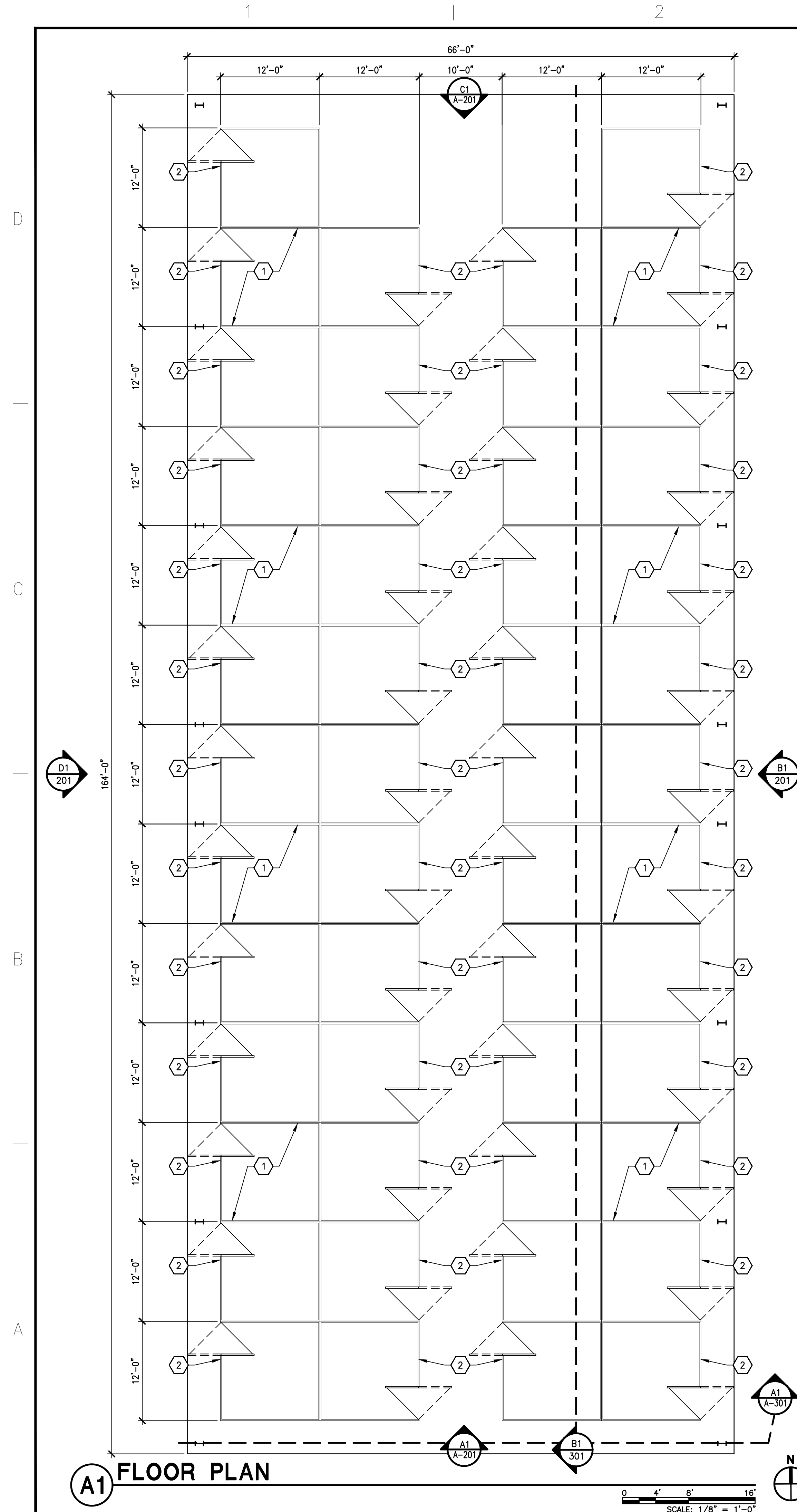
SHEET TITLE:

## SITE PLAN

**SHEET NO:**

**AS-101**



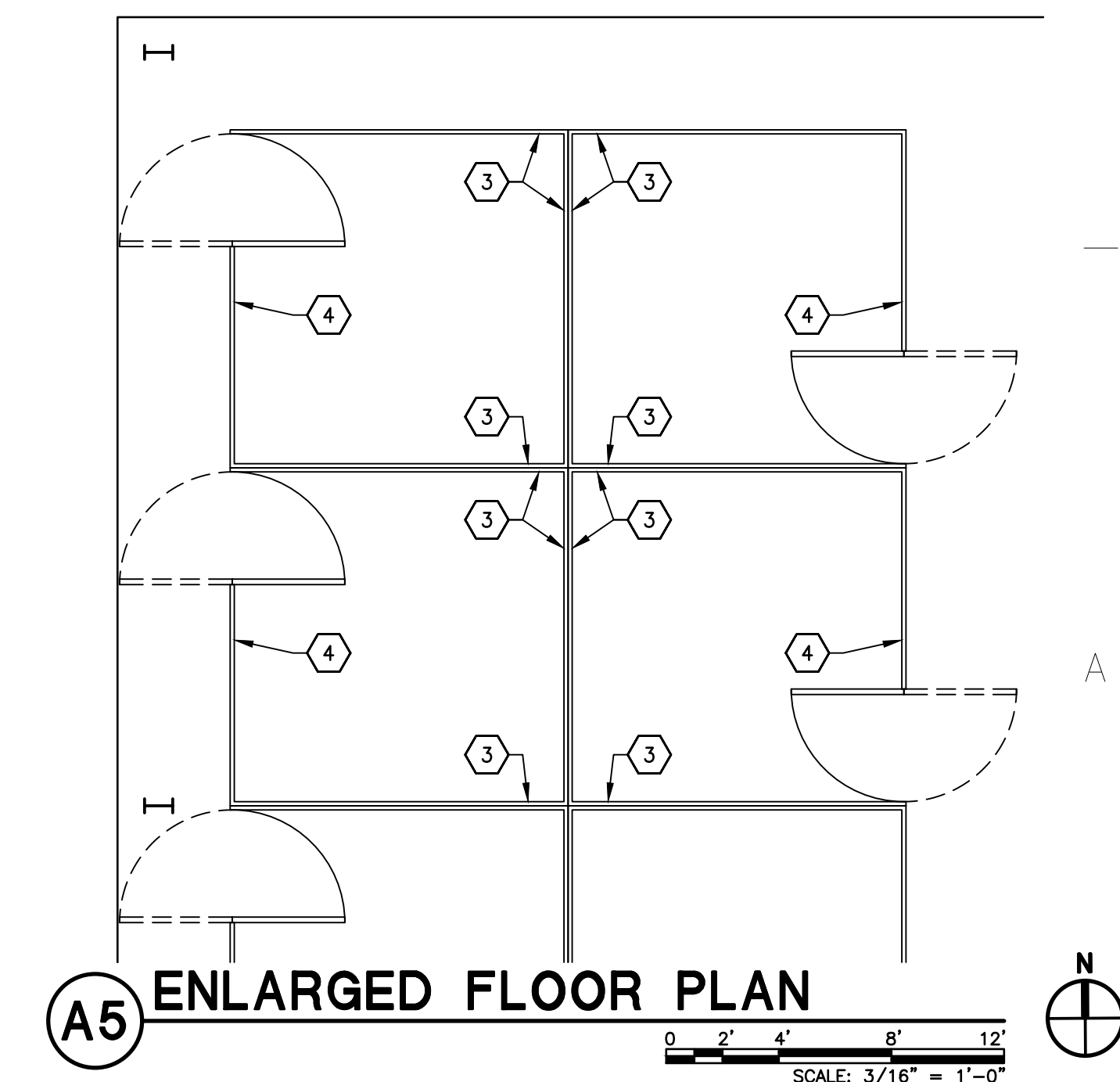


## GENERAL NOTES

- A. DRAWINGS WERE DERIVED FROM CONSTRUCTION DOCUMENTS OF THE ORIGINAL BUILDING AS WELL AS FIELD SURVEYS BY THE ARCHITECT. THE CONTRACTOR IS TO FIELD-VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING CONSTRUCTION, AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT.
- B. ALL ELECTRICAL EQUIPMENT AND NON-ELECTRICAL ITEMS TO BE REMOVED SHALL BE SALVAGED TO TEMPORARILY HOLD AND PROTECT UNTIL OWNER IS PREPARED TO TAKE POSSESSION, COVER AND PROTECT ITEMS FROM DETERIORATION DUE TO WEATHER, ETC.
- C. CONTRACTOR TO REPAIR OR REPLACE ALL ITEMS DAMAGED AS A RESULT OF CONSTRUCTION DURING COURSE OF WORK. RESTORE ALL REPAIRED ITEMS TO EXISTING APPEARANCE, AND TO MAINTAIN ALL SYSTEMS IN FULL COMPLIANCE WITH ALL CODES.
- D. ALL ACTIVE PIPING, EQUIPMENT, ETC., SERVING FIXTURES AND EQUIPMENT TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- E. ALL ACTIVE ELECTRICAL WIRING, EQUIPMENT, ETC., SERVING LIGHTING, POWER, ETC., TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- F. REFER TO ELECTRICAL DRAWINGS FOR INSTALLATION OF LIGHTS.

## KEYED NOTES

1. EXISTING 12'-0" x 12'-0" CORRAL PANEL HORSE STALLS. TO BE REMOVED, PROTECTED AND RELOCATED DURING NEW CONSTRUCTION.
2. EXISTING 12'-0" CORRAL PANEL WITH GATE 4'-0" OPENING. TO BE REMOVED, PROTECTED, AND RELOCATED DURING NEW CONSTRUCTION.
3. NEW 12'-0" x 12'-0" CORRAL PANEL HORSE STALLS. PANEL FEATURE A 1-3/4" ROUND HIGH TENSILE STEEL TUBING CONSTRUCTION AND E-COAT FINISH TYPICAL.
4. NEW 12'-0" CORRAL PANEL WITH 4'-0" WALK-THRU GATE. PANEL AND GATE FEATURE A 1-3/4" ROUND HIGH TENSILE STEEL TUBING CONSTRUCTION AND E-COAT FINISH TYPICAL.



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PROJECT TITLE

# ROOSEVELT COUNTY FAIRGROUNDS HORSE STALLS

**PORTALES  
NEW MEXICO**

REVISIONS:

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AM	JL
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PROJECT NUMBER:

A1816.23

DATE: \_\_\_\_\_

3/20/2024

SHEET TITLE:

## FLOOR PLAN

**SHEET NO:**

**A-101**

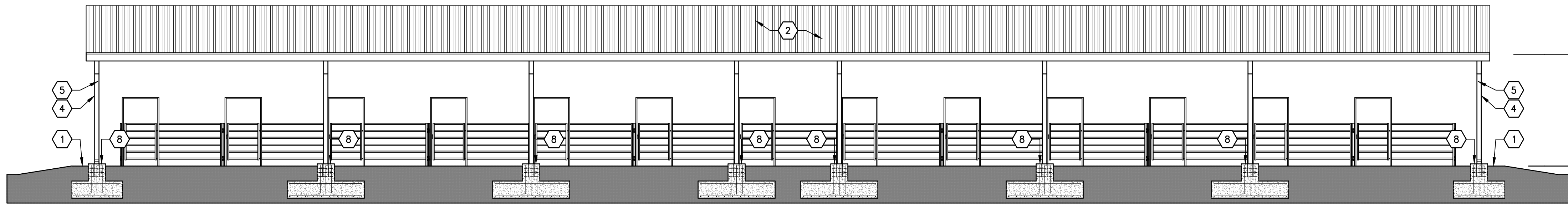




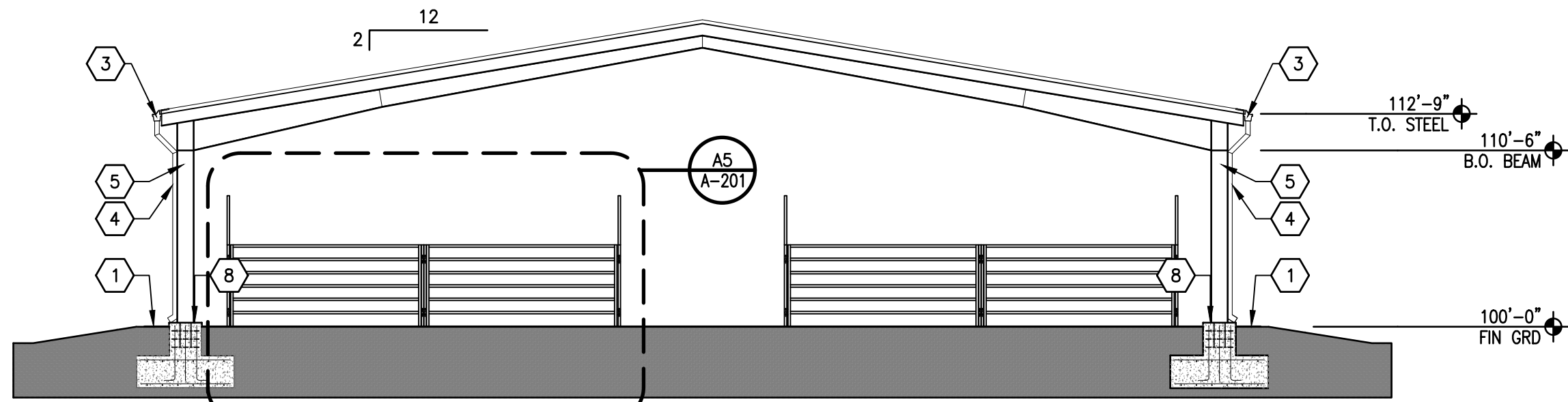
1. STRUCTURAL COLUMNS FROM METAL BUILDING MANUFACTURER.
2. ROOF SYSTEM FROM METAL BUILDING MANUFACTURER.
3. DIRT PAD TO BE RAISED APPROXIMATELY 1'-0".
4. REMOVE AND DISPOSE OF EXISTING VEGETATION FOR NEW SCOPE OF WORK.



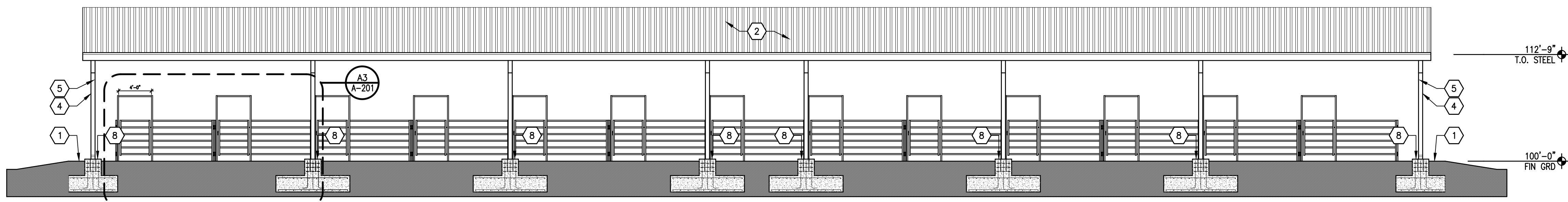




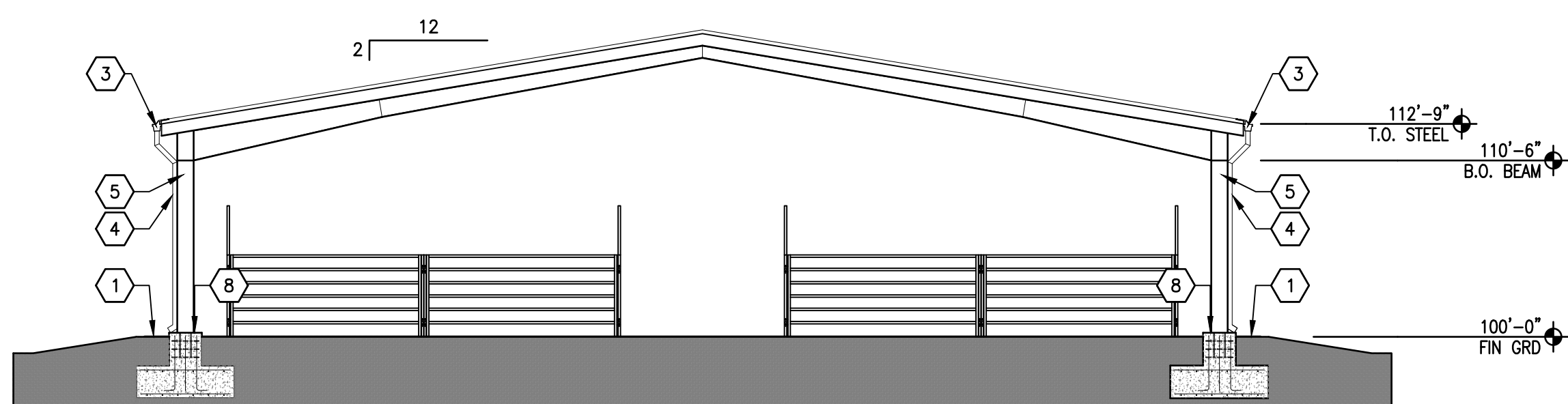
D1 WEST ELEVATION



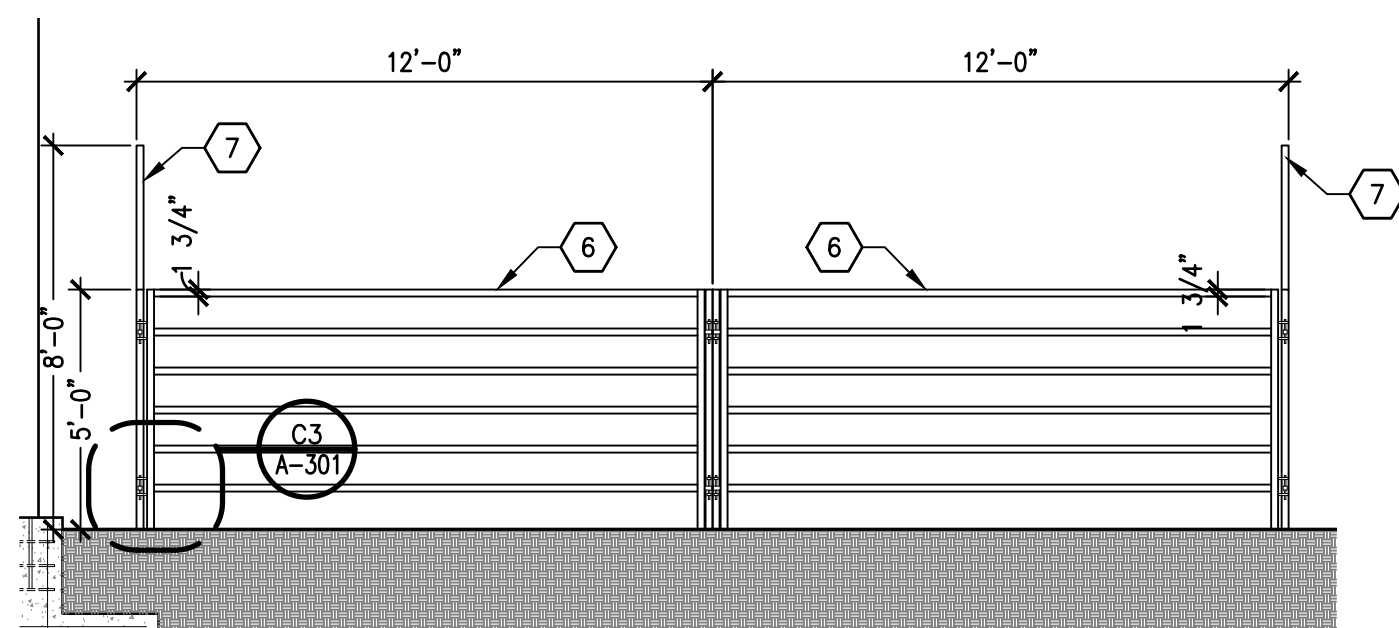
C1 NORTH ELEVATION



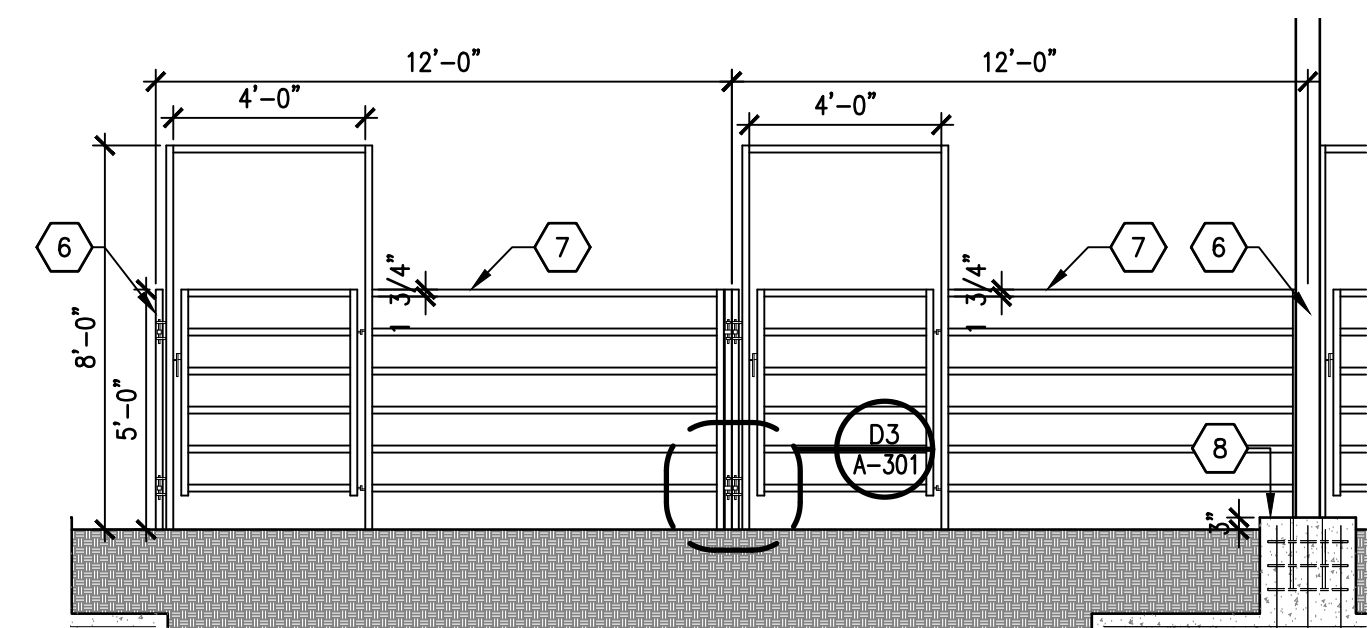
B1 EAST ELEVATION



A1 SOUTH ELEVATION



A3 ENLARGED ELEVATION CORRAL



A5 ENLARGED ELEVATION CORRAL

## GENERAL NOTES

- DRAWINGS WERE DERIVED FROM CONSTRUCTION DOCUMENTS OF THE ORIGINAL BUILDING AS WELL AS FIELD SURVEYS BY THE ARCHITECT. THE CONTRACTOR IS TO FIELD-VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING CONSTRUCTION, AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT.
- ALL EQUIPMENT AND OTHER ITEMS TO BE REMOVED SHALL BE SALVAGED TO TEMPORARILY HOLD AND PROTECT UNTIL OWNER IS PREPARED TO TAKE POSSESSION. COVER AND PROTECT ITEMS FROM DETERIORATION DUE TO WEATHER, ETC.
- CONTRACTOR TO REPAIR OR REPLACE ALL ITEMS DAMAGED AS A RESULT OF CONSTRUCTION DURING COURSE OF WORK. RESTORE ALL REPAIRED ITEMS TO CONSISTENT APPEARANCE AND TO MAINTAIN INTEGRITY OF ALL ITEMS.
- ALL ACTIVE PIPING, EQUIPMENT, ETC., SERVING FIXTURES AND EQUIPMENT TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- ALL ACTIVE ELECTRICAL WIRING, EQUIPMENT, ETC., SERVING LIGHTING, POWER, ETC., TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- REFER TO ELECTRICAL DRAWINGS FOR INSTALLATION OF LIGHTS.

## KEYED NOTES

- GRADE OR PAVING, SEE PLAN.
- PREFINISHED METAL BUILDING; STANDING SEAM ROOF SYSTEM.
- PREFINISHED METAL GUTTER.
- MINIMUM 4"x4" PREFINISHED METAL DOWNSPOUT.
- METAL COLUMN BY METAL BUILDING MANUFACTURE, PAINT. PAINT EXPOSED STEEL COMPONENTS, BOTTOM OF ROOF DECK.
- NEW 12'-0" CORRAL PANEL FEATURE A 1-3/4" ROUND HIGH TENSILE STEEL TUBING CONSTRUCTION AND E-COAT FINISH TYPICAL.
- NEW 12'-0" CORRAL PANEL WITH 4'-0" WALK-THRU GATE. PANEL AND GATE FEATURE A 1-3/4" ROUND HIGH TENSILE STEEL TUBING CONSTRUCTION AND E-COAT FINISH TYPICAL.
- COLUMNS TO BE RAISED APPROX. 3" ABOVE FINISH GRADE.

**NCA**

ARCHITECTS - PLANNERS - AIA

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ARCHITECT



CONSULTANT

PROJECT TITLE

**ROOSEVELT  
COUNTY  
FAIRGROUNDS  
HORSE  
STALLS**

**PORTALES  
NEW MEXICO**

REVISIONS:

MK	DATE	DESCRIPTION

DRAWN BY: CHECKED BY:

AM JL

PROJECT NUMBER:

A1816.23

DATE:

3/20/2024

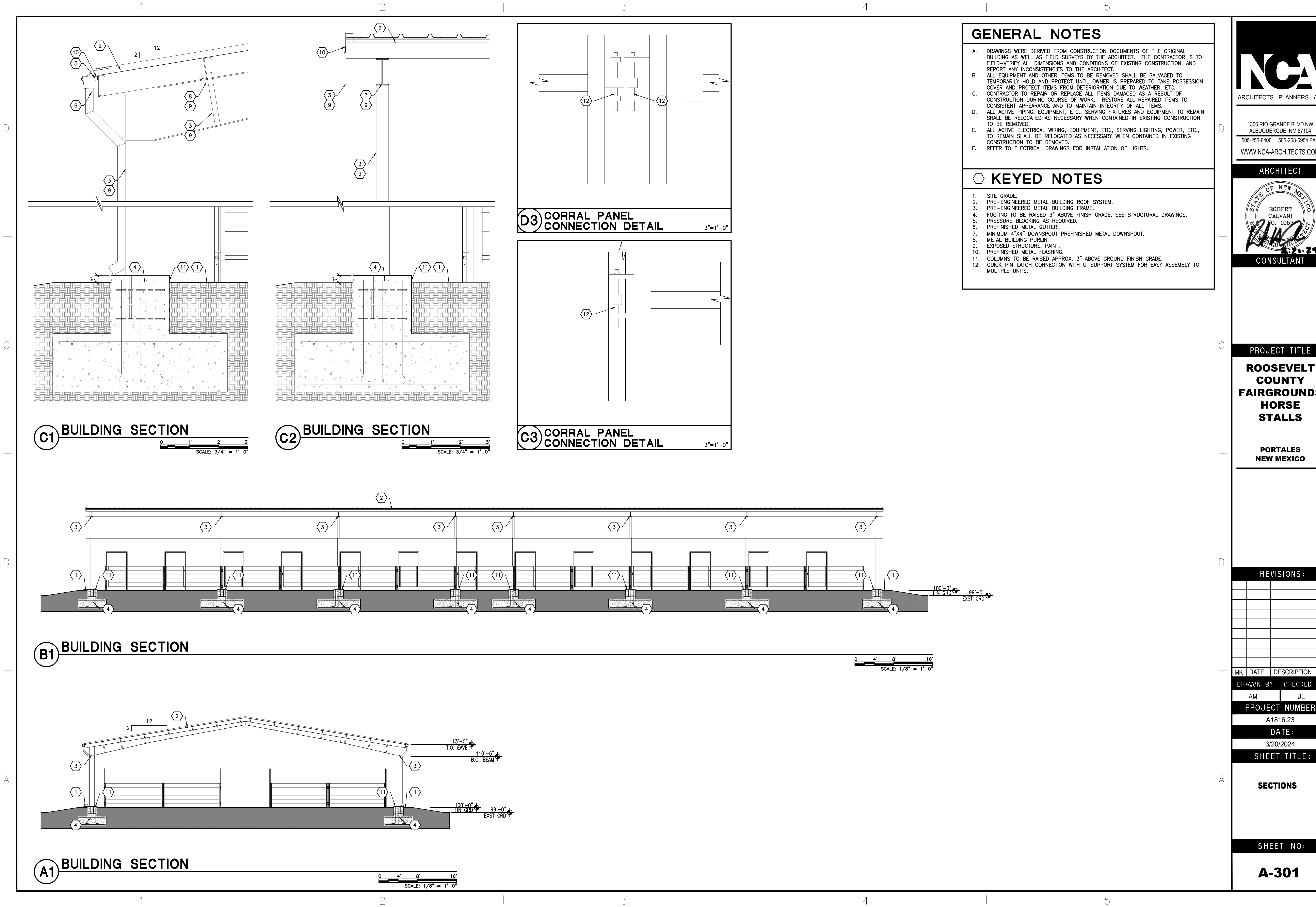
SHEET TITLE:

ELEVATIONS

SHEET NO:

A-201





GENERAL NOTES

- A. DRAWINGS WERE DERIVED FROM CONSTRUCTION DOCUMENTS OF THE ORIGINAL BUILDING AS WELL AS FIELD SURVEYS BY THE ARCHITECT. THE CONTRACTOR IS TO FIELD-VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING CONSTRUCTION, AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT.
- B. ALL EQUIPMENT AND OTHER ITEMS TO BE REMOVED SHALL BE SALVAGED TO TEMPORARILY HOLD AND PROTECT UNTIL OWNER IS PREPARED TO TAKE POSSESSION. COVER AND PROTECT ITEMS FROM DETERIORATION DUE TO WEATHER, ETC.
- C. CONTRACTOR TO REPAIR OR REPLACE ALL ITEMS DAMAGED AS A RESULT OF CONSTRUCTION DURING COURSE OF WORK. RESTORE ALL REPAIRED ITEMS TO CONSISTENT APPEARANCE AND TO MAINTAIN INTEGRITY OF ALL ITEMS.
- D. ALL ACTIVE PIPING, EQUIPMENT, ETC., SERVING FIXTURES AND EQUIPMENT TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- E. ALL ACTIVE ELECTRICAL WIRING, EQUIPMENT, ETC., SERVING LIGHTING, POWER, ETC., TO REMAIN SHALL BE RELOCATED AS NECESSARY WHEN CONTAINED IN EXISTING CONSTRUCTION TO BE REMOVED.
- F. REFER TO ELECTRICAL DRAWINGS FOR INSTALLATION OF LIGHTS.

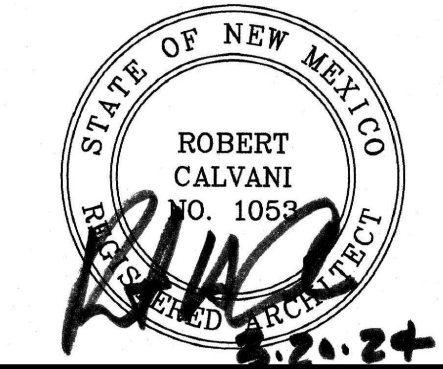
KEYED NOTES

- 1. SITE GRADE.
- 2. PRE-ENGINEERED METAL BUILDING ROOF SYSTEM.
- 3. PRE-ENGINEERED METAL BUILDING FRAME.
- 4. FOOTING TO BE RAISED 3" ABOVE FINISH GRADE. SEE STRUCTURAL DRAWINGS.
- 5. PRESSURE BLOCKING AS REQUIRED.
- 6. PREFINISHED METAL GUTTER.
- 7. MINIMUM 4"x4" DOWNSPOUT PREFINISHED METAL DOWNSPOUT.
- 8. METAL BUILDING PURLIN.
- 9. EXPOSED STRUCTURE, PAINT.
- 10. PREFINISHED METAL FLASHING.
- 11. COLUMNS TO BE RAISED APPROX. 3" ABOVE GROUND FINISH GRADE.
- 12. QUICK PIN-LATCH CONNECTION WITH U-SUPPORT SYSTEM FOR EASY ASSEMBLY TO MULTIPLE UNITS.



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CONSULTANT

PROJECT TITLE

**ROOSEVELT  
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FAIRGROUNDS  
HORSE  
STALLS**

**PORTALES  
NEW MEXICO**

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MK	DATE	DESCRIPTION

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AM JL

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DATE:

3/20/2024

SHEET TITLE:

**SECTIONS**

SHEET NO:

**A-301**



D

C

B















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FIXTURE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION/ LOCATION	LED LAMPING - 4000K			MOUNTING INSTRUCTIONS	REMARKS
				WATTS	LUMENS	CCT		
A	SPITZER	#HBR2-170L-U-40K-C1 BK-EWG-040U W/ #HBR-90D-16 PRWL	HI-BAY LED WITH EMERGENCY INVERTER AND 16" PC REFLECTOR AND BEAM ANGLE 90 DEGREES	100	17,000	4000K	PENDANT W/ .75" RIGID GALVANIZED CONDUIT	

ELECTRICAL GENERAL NOTES

- A. PERFORM ALL ELECTRICAL WORK IN NEAT WORKMANLIKE MANNER IN FULL COMPLIANCE WITH ALL APPLICABLE, ADOPTED, CODES; INCLUDING BUT NOT LIMITED TO THE 2020 NATIONAL ELECTRICAL CODE (NEC), UBC, NFPA, AND ADA. ALL LOCAL AND STATE REQUIREMENTS WILL BE OBSERVED DURING THE PERFORMANCE OF THIS WORK.
- B. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING.
- C. AFTER COMPLETION OF THE INSTALLATION, THE ENTIRE SYSTEM SHALL BE THOROUGHLY CLEANED. REMOVE ALL FOREIGN MATTER, PAINT, OR DIRT, GREASE, UNNEEDED LABELS OR STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE ALL RUBBISH AND DEBRIS ACCUMULATED DURING INSTALLATION FOR THE PREMISES.
- D. ALL PHASES OF THE ELECTRICAL WORK SHALL BE COORDINATED WITH THE ARCHITECT AND GENERAL CONTRACTOR. WORK SHALL BE PERFORMED TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO THE OWNER.
- E. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL DEVICE LOCATIONS WITH ARCHITECTURAL CASE WORK DETAILS PRIOR TO ANY ROUGH-IN.
- F. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL LOCATIONS OF ALL SINKS WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. ANY ELECTRICAL DEVICES LOCATED ABOVE COUNTER AND BEHIND FINAL SINK LOCATIONS SHALL BE SHIFTED A MINIMUM OF 8" TO EITHER SIDE OF SINK. ANY ELECTRICAL DEVICES LEFT BEHIND SINK AT THE TIME OF FINAL ELECTRICAL WALK THROUGH SHALL BE RELOCATED AT ELECTRICAL CONTRACTOR'S EXPENSE.
- G. THE EXACT LOCATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH OTHER TRADES PRIOR TO ANY INSTALLATION. WHERE EXACT LOCATIONS ARE NECESSARY, THEY ARE DIMENSIONED ON THESE DRAWINGS. WHERE THERE IS A QUESTION OF ADEQUATE CLEARANCE OR COORDINATION BETWEEN TRADES, THIS CONTRACTOR SHALL PREPARE AS BUILT DRAWINGS FOR ENGINEERS REVIEW.
- H. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 VOLTS TYPE THHN/THWN. INSULATION, UNLESS OTHERWISE INDICATED MINIMUM WIRE SIZE SHALL BE #12 AWG AND STRANDED FOR #10 AWG OR LARGER. ALL WIRING SHALL BE RUN IN CONDUIT INCLUDING LOW VOLTAGE AND CONTROL WIRING, UNLESS OTHERWISE NOTED.
- I. GENERALLY, CONDUIT SHALL BE EMT, 1/2 INCH MINIMUM. WHERE REQUIRED TO PROTECT FROM PHYSICAL DAMAGE, CONDUIT SHALL BE RIGID OR IMC TYPE. RUN CONDUIT CONCEALED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. USE FLEXIBLE METALLIC CONDUIT OR SURFACE MOUNTED RACEWAY ONLY WHERE INDICATED. PROVIDE EXPANSION FITTINGS FOR CONDUIT CROSSING EXPANSION JOINTS.
- J. SUPPORT ALL CONDUIT INDEPENDENTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FROM VENTILATION DUCTS, MECHANICAL PIPING, SUSPENDED CEILING GRIDS, OR THEIR HANGERS. USE ONLY ACCEPTABLE METHODS OF SUPPORT.
- K. TERMINATING AND SPLICING: ALL #10 GA AND SMALLER JOINTS AND SPLICES IN BRANCH CIRCUIT WIRING SHALL BE MADE WITH AN APPROVED, SOLDERLESS TOOL. APPLICATION OR TWIST ON CONNECTORS: #8 GA AND LARGER WITH HIGH COMPRESSION BARREL SPLICES WITH SHRINK WRAP AND MANUFACTURER'S COMPATIBLE CONNECTORS IN GUTTERS, AND SIMILAR LOCATIONS; AND NOTE ALLOWED IN RACEWAYS.
- L. EMT CONDUIT FITTINGS: IN DRY LOCATIONS ALL EMT COUPLERS AND CONNECTORS SHALL BE STEEL SET SCREW TYPE OR "REGAL" DIE CAST SET SCREW COUPLINGS AND CONNECTORS. DIE CAST FITTINGS SHALL NOT BE USED ON THIS PROJECT. DAMP/WET LOCATIONS USE STEEL COMPRESSION GLAND TYPE COUPLER AND CONNNECTIONS.
- M. TYPE NM (ROMEX CABLE) NMC&MC CABLE WILL NOT BE ALLOWED ON THIS PROJECT.
- N. IN ADDITION TO RACEWAY BONDING REQUIRED BY CODE AND OUTLET BOX BONDING JUMPERS, CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT.
- O. SIZE ALL BOXES AND ENCLOSURES PER THE NATIONAL ELECTRICAL CODE. WORKING SPACE FOR ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
- P. BRANCH CIRCUITS: UTILIZE #10 CONDUCTORS ON ALL RUNS OVER 100'-0".

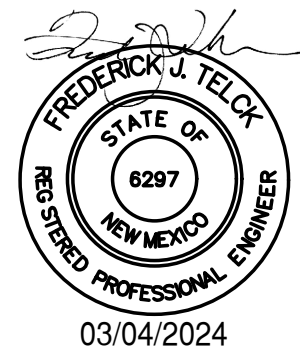
SYMBOL LEGEND

-  CEILING OR WALL BRACKET FIXTURE. SEE FIXTURE SCHEDULE.
-  EXIT LIGHT. ARROWS INDICATE DIRECTIONAL ARROW ON FIXTURE.
-  EMERGENCY EGRESS LIGHTING FIXTURE WITH BATTERY PACK, SEE LIGHTING FIXTURE SCHEDULE, MH= 7'- 6" TO BOTTOM
-  SINGLE POLE WALL SWITCH, UP +48" TOP OF SWITCH BOX.
-  DISCONNECT SWITCH. SIZE AND POLES FOR LOAD CONNECTED.NEMA 3R
-  SURFACE MOUNTED PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.
-  GROUND
-  MOTOR CONNECTION, FRACTIONAL H.P (LESS THAN 1/3 HP)
-  MOTOR CONNECTION WITH HP INDICATED.
-  BRANCH CIRCUIT IN WALLS OR CEILING WITH CONDUCTORS INDICATED. (NEUTRAL, HOT, SWITCHED, AND GROUNDING CONDUCTOR-LEFT TO RIGHT RESPECTIVELY)
-  BRANCH CIRCUIT IN WALLS OR UNDER FLOOR, CONDUCTORS INDICATED.
-  HOME RUN TO PANEL, WITH BRANCH CIRCUIT NUMBERS INDICATED.
-  KEYED NOTE SYMBOL
-  MECHANICAL EQUIPMENT SYMBOL



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PROJECT TITLE

**ROOSEVELT  
COUNTY  
FAIRGROUNDS  
HORSE  
STALLS**

**PORTALES  
NEW MEXICO**

REVISIONS:


MK	DATE	DESCRIPTION
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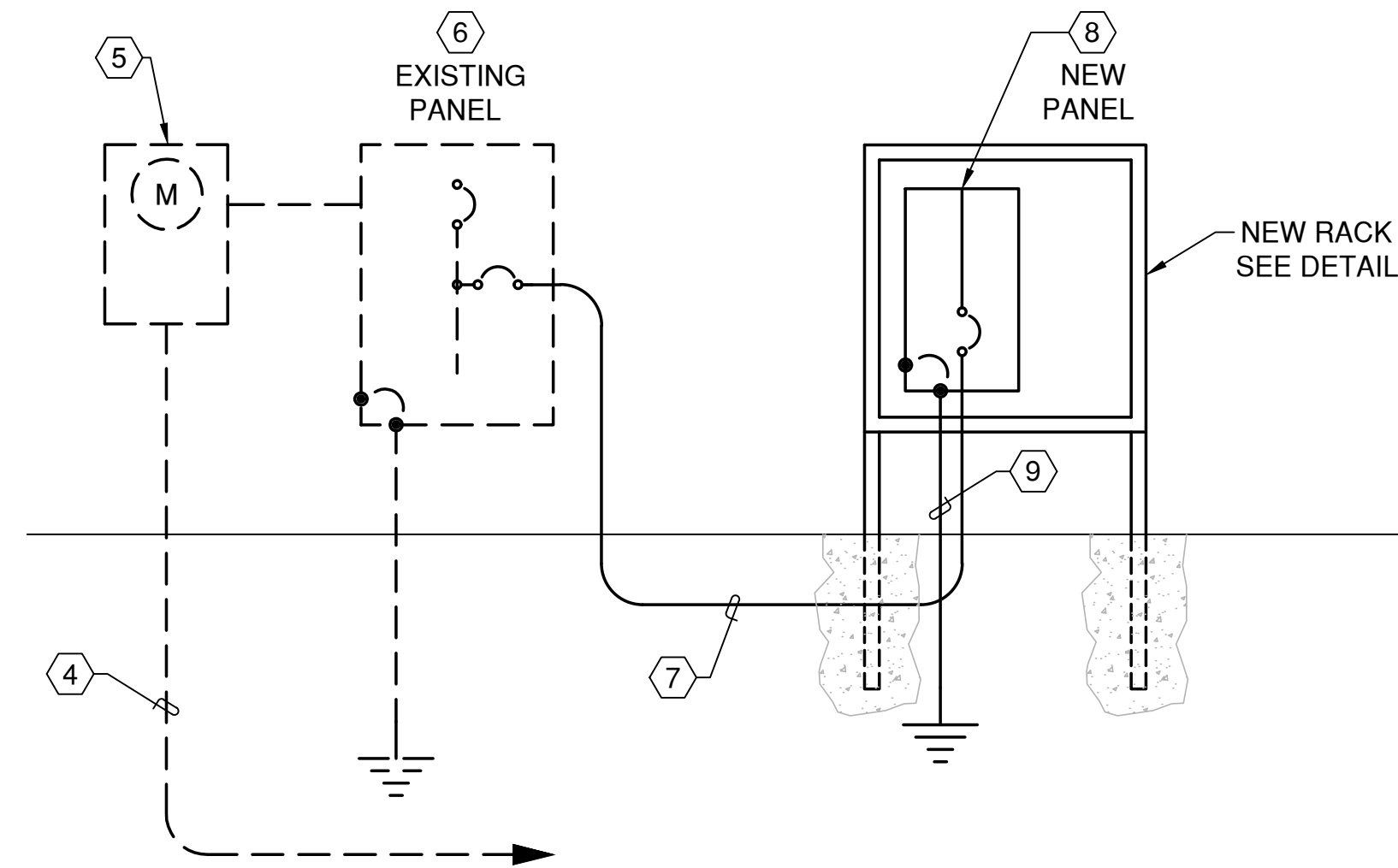
**FIXTURE SCHEDULE  
GENERAL NOTES  
SYMBOL LEGEND**

SHEET NO:

**E-001**

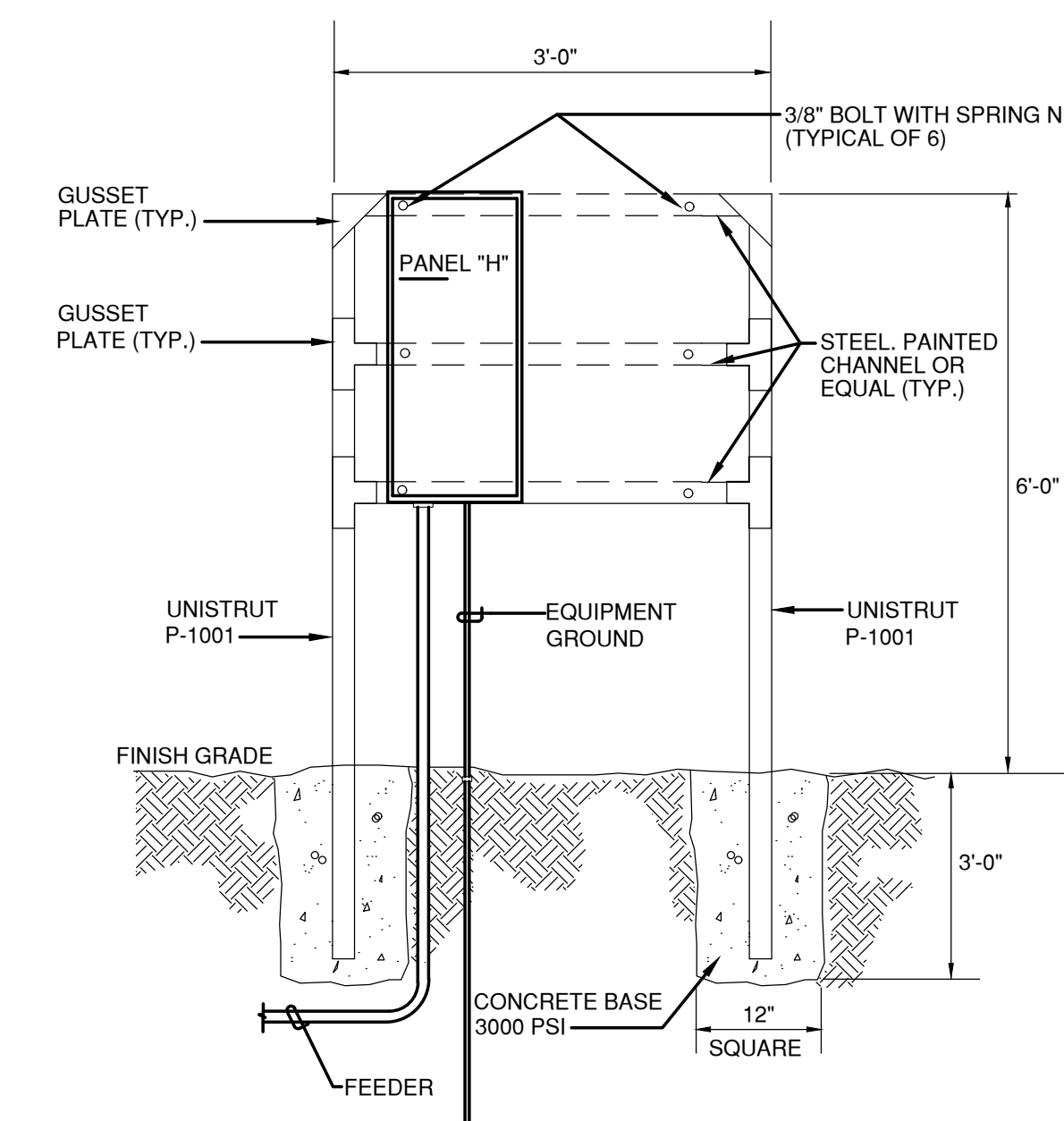
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SCALE: NONE

PANEL SCHEDULE														
<b>PANEL: "H"</b> <b>NO. POLES: 24</b> <b>BUS RATING: 100A</b>		<b>LOCATION: RC FAIRGROUNDS</b> <b>HORSE STALLS PORTALES, NM</b>			<b>VOLTS: 120 / 208</b> <b>10 KA MINIMUM INTERRUPTING CAP.</b>						<b>3 PH 4 W</b> <b>MAIN CIRCUIT BREAKER - 100A/2P</b> <b>MOUNTING: SURFACE</b> <b>BOTTOM FEED - NEMA 3R CONSTRUCTION</b>			
DESCRIPTION	LOAD	TYPE	BRKR	P	CKT	PH	CKT	P	BRKR	TYPE	LOAD	DESCRIPTION		
RECEPTACLES	900	R	20/1	1	1	A	2	1	20/1	L	1200	LIGHTS - HORSE STALLS NORTH		
SPARE			20/1	1	3	B	4	1	20/1	L	1200	LIGHTS - HORSE STALLS SOUTH		
SPARE			20/1	1	5	C	6	1	20/1					
SPARE			20/1	1	7	B	8	1	20/1			SPARE		
SPARE			20/1	1	9	A	10	1	20/1			SPARE		
SPARE			20/1	1	11	C	12	1	20/1			SPARE		
<b>LOAD SUMMARY</b>		<b>DEMAND</b>	<b>ESTIMATED</b>		<b>CONNECTED</b>									
<b>TOTAL</b>	<b>FACTOR</b>	<b>MAX.</b>	<b>PHASE LOADING</b>											
P=PANELS	0.0	1.00	0.0		PHASE A: 2100.0					EST. MAX. DEM.: 3.9 KVA				
L=LIGHTING	2.4	1.25	0.0		PHASE B: 1200.0					0% SPARE: 0.0 KVA				
R=RECEPTACLES	0.9	0.50	3.9		PHASE C:					E.M.D. + SPARE: 3.9 KVA				
A=APPLIANCES	0.0	0.65	0.0		Total					POWER FACTOR: 0.0				
M=MOTORS	0.0	1.00	0.0		3300.0 KVA					EST. MAX. DEM.: 12.0 AMP				
0=SPARE	0.0	1.00	0.0											
<b>TOTAL</b>	<b>3.3 KVA</b>	<b>3.9 KVA</b>												



SCALE: NONE

LOAD SUMMARY - 120/208V - 3PH - 4W		
LOAD	CONNECTED LOAD	DEMAND LOAD
LIGHTS	2.4 KW	3.0 KW
RECEPTACLES	0.9 KW	0.9 KW
TOTAL	3.3 KW	3.3 KW = 9.2 AMPERES
PROVIDE NEW 100A SERVICE ADEQUATELY RATED FOR THE PROPOSED DEMAND LOAD		
SHORT CIRCUIT CALCULATIONS		
ASSUME 75 KVA PAD MOUNT TRANSFORMER WITH 1.4% Z. MAXIMUM LET THROUGH CURRENT AT THE SECONDARY TERMINALS OF THE PAD MOUNT TRANSFORMER = 14,881 AMPERES. CALCULATED SHORT CIRCUIT CURRENT AT NEW PANEL "H" = 2,210A. NEW PANEL "H" SHALL BE PROVIDED WITH MINIMUM 10 KIAR CIRCUIT BREAKERS.		

- A. ALL LAY-IN GRID TROFFERS SHALL HAVE FLEXIBLE CONDUIT CONNECTION WITH MINIMUM #12 BRANCH CIRCUITS AND MINIMUM #12 GROUND - NO EXCEPTIONS.
- B. EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED MAXIMUM 8'-0" AFF.
- C. PROVIDE DUAL LEVEL SWITCHING OF LAMPS IN FIXTURES IN OFFICES. THE DUAL LEVEL SWITCHING SHALL CONSIST OF SWITCHING INNER LAMP SEPARATELY FROM OUTER LAMPS OF LIGHTS.
- D. ALL DEVICE PLATES SHALL BE BRUSHED STAINLESS STEEL TYPE. ALL DEVICES SHALL BE IVORY IN COLOR.
- E. COORDINATE THE EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
- F. ALL SWITCHES SHALL BE PROVIDED WITH PERMANENT LABELING IDENTIFYING PANEL AND BRANCH CIRCUIT CONNECTED TO.
- G. ALL HOMERUNS OVER 100' TO BE MINIMUM 3/4" WITH MINIMUM #10 BRANCH CIRCUITS.
- H. ALL EXTERIOR BUILDING MOUNTED LIGHT FIXTURES SHALL COMPLY WITH NEW MEXICO DARK SKIES ACT. REFER TO THE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATION PRIOR TO ROUGH-IN OF FIXTURES.
- I. ALL LIGHTING BRANCH CIRCUITS SHALL BE MINIMUM 2#12 + 1#12GR IN .5" CONDUIT, UNLESS OTHERWISE INDICATED.

1. EXISTING XCEL ENERGY (XE) UTILITY POLE WITH A THREE-PHASE BANK OF POLE MOUNT TRANSFORMER. NO WORK. SHOWN FOR REFERENCE ONLY.
2. EXISTING XE SECONDARY AERIAL. NO WORK. SHOWN FOR REFERENCE ONLY.
3. EXISTING XE UTILITY POLE. NO WORK. SHOWN FOR REFERENCE ONLY.
4. EXISTING XE UNDERGROUND SECONDARY SERVICE. NO WORK. SHOWN FOR REFERENCE ONLY.
5. EXISTING XE CUSTOMER METER. NO WORK. SHOWN FOR REFERENCE ONLY.
6. EXISTING PANEL RATED 120/208V, 3PH, 4W, 400A ML, 400A/3P MAIN CIRCUIT BREAKER. PROVIDE AND INSTALL NEW 30A/3P CIRCUIT BREAKER IN SPACE FOR NEW PANEL "H". UPDATE THE PANEL DIRECTORY WITH THE NEW LOAD.
7. NEW UNDERGROUND SECONDARY FEEDER, 4#8 THHN/THWN (CU) + 1#10 THHN/THWN (CU) GR IN 1.25" C, MINIMUM 36" BELOW FINISH GRADE. COORDINATE ROUTING WITH EXISTING FIELD CONDITIONS.
8. NEW PANEL "H". REFER TO THE PANEL SCHEDULE THIS SHEET. INSTALL ON NEW RACK AND REFER TO THE "RACK DETAIL" THIS SHEET.
9. NEW 1#6 THHN/THWN (CU) EQUIPMENT GROUND IN 1" C TO DRIVEN .75" X 10'-0" COPPER CLAD GROUND ROD PER NEC.

**PORTALES  
NEW MEXICO**


A1816.23

12/20/2023

SHEET TITLE:

## SHEET NO:

**ES-101**



