# ROOSEVELT COUNTY FAIR GROUNDS PAVILION IMPROVEMENTS

100% CONSTRUCTION DOCUMENTS 04/19/2024

## LOCATION MAP





## PROJECT INFORMATION

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

705 E LIME ST.

## PROJECT DESCRIPTION

THE SCOPE OF WORK FOR THIS PROJECT IS TO DEMOLISH EXISTING RESTROOM AREAS AND BUILD 2 NEW RESTROOMS, 1 NEW JANITOR ROOM, 1 ADULT CHANGING STATION, AND REMOVE AND REINFORCE FLOOR OF SECOND LEVEL IN THE DOUG & DEBBIE IDSINGA MEMORIAL PAVILION. THESE RESTROOMS WILL HAVE INTERIOR AND EXTERIOR ENTRANCES TO EACH. EXTERIOR SITE IMPROVEMENTS INCLUDE NEW EXTERIOR COVERING, EXTERIOR BENCHES AND TABLES, GRADING AND DRAINAGE, ASPHALT, CONCRETE PAVING, AND SITE UTILITIES. NEW EXTERIOR COVERING TO MATCH STYLE OF EVENT ARENA ENTRANCE.

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1306 RIO GRANDE BLVD NW ALBUQUERQUE, NM 87104 505-255-6400 505-268-6954 FAX WWW.NCA-ARCHITECTS.COM SET NO.:

PROJECT: A1816.23

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STRUCTURAL **CHAVEZ GRIEVES** CONSULTING ENGINEERS, INC. 4700 LINCOLN NE, SUITE 102

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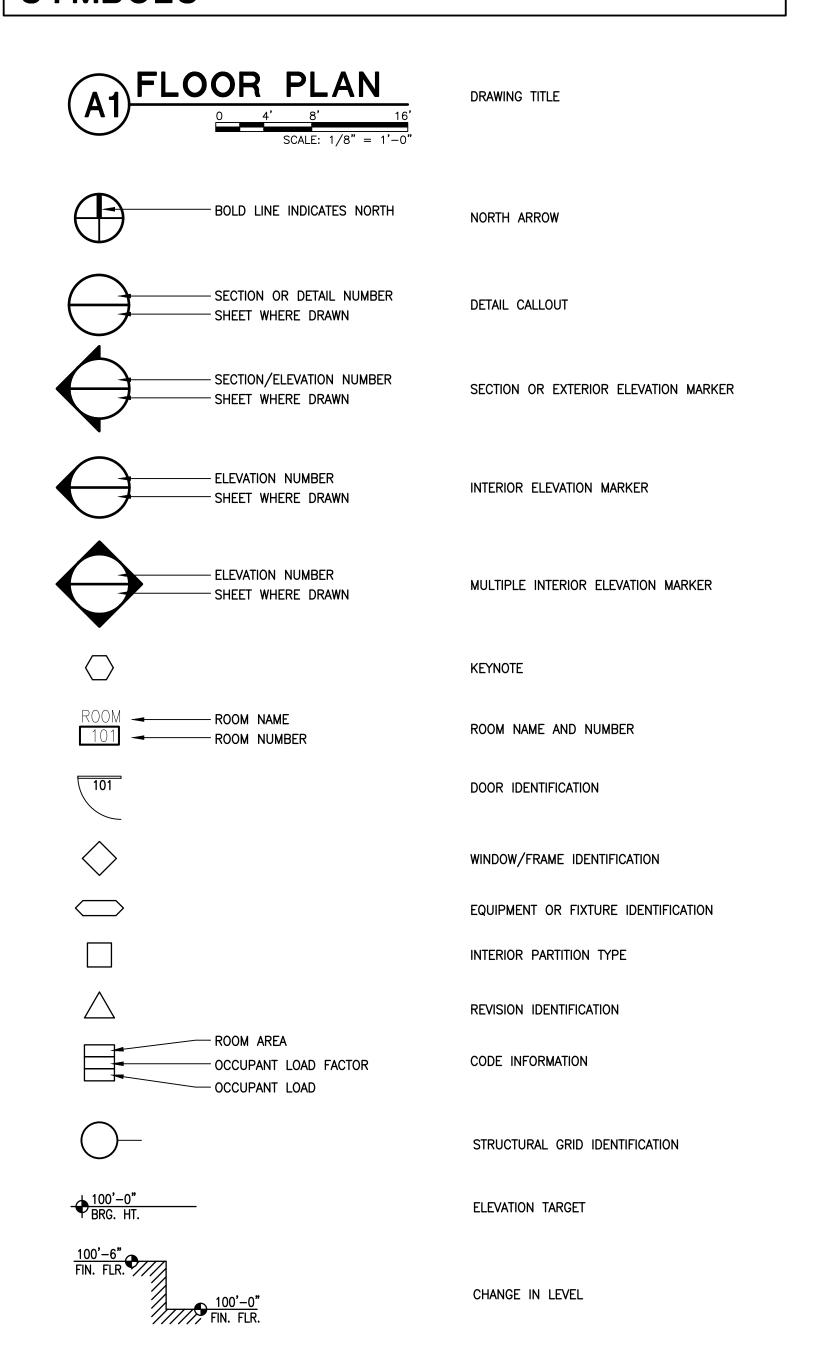
# **ABBREVIATIONS**

SYMBOLS USED AS ABBREVIATIONS	<b>:</b> :			
1	NGLE	_	INSIDE DIAMETER	ID
¢ c	ENTERLINE		INSULATION	INSUL
_	HANNEL		INTERIOR	INT
			JOINT	JT
•	PENNY		JOIST	JST
<del></del>	ERPENDICULAR COUND/DIAMETER		KNOCKOUT	КО
	QUARE FEET		LAMINATE (D)	LAM
<b>@</b> A	т		LAMINATE(D) LAVATORY	LAM LAV
ABBREVIATIONS:			LINEAR FEET	LF
			LINEAR METAL	LM
ABOVE FINISHED FLOOR ACCESS FLOOR		AFF ACS FLR	LOUVER	LVR
ACCESSIBLE		ACC	MANUFACTURE(R)	MFR
ACOUSTICAL AMERICAN DISABILITIES ACT		ACOUS ADA	MARKER BOARD	MB
AGGREGATE		AGGR	MASONRY MASONRY OPENING	MAS MO
ARCHITECT(URAL)		ARCH	MATERIAL(S)	MATL
			MAXIMUM	MAX
BEAM BEARING		BM BRG	MECHANICAL	MECH
BELOW FINISHED FLOOR		BFF	METAL BUILDING MANUFACTURER METAL	MBM MTL
BENCHMARK		ВМ	METAL THRESHOLD	MT
BOARD		BD	MINIMUM	MIN
BOTTOM OF STEEL		BOT	MISCELLANEOUS	MISC
BOTTOM OF STEEL BUILDING		BOS BLDG	MUD MAT	ММ
		טבטט	NOMINAL	NOM
CARPET		CPT	NOT IN CONTRACT	NIC
CAST IRON		CI	NOT TO SCALE	NTS
CEILING CERAMIC		CLG CER	ON CENTED/S	ос
CHALK BOARD		CH BD	ON CENTER(S) OPPOSITE	OPP
COLUMN		COL	OPPOSITE HAND SIMILAR	OHS
CONCRETE		CONC	OUTSIDE DIAMETER	OD
CONCRETE MASONRY UNIT		CMU CONSTR	OWNER FURNISHED/CONTRACTOR INSTALLED	OF/CI
CONTINUOUS OR CONTINUE		CONSTR	PLASTER	PLAS
CONTROL JOINT		CJ	PLATE	PL
CORRIDOR		CORR	PLYW00D	PLYWD
DETAIL		DET	POINT	PT
DIAMETER		DIA	POLYVINYL CHLORIDE POUNDS PER CUBIC FOOT	PVC PCF
DIMENSION		DIM	POUNDS PER LINEAL FOOT	PLF
DOWN		DN	POUNDS PER SQUARE FOOT	PSF
DRINKING FOUNTAIN		DF	POUNDS PER SQUARE INCH	PSI
ELECTRIC(AL)		ELEC	QUARRY TILE	QT
ELECTRIC WATER COOLER		EWC		
ELEVATION EXISTING		EL EXIST	REQUIRE(D) RETURN AIR	REQ(D)
EXPANSION JOINT		EJ	RIGHT OF WAY	RA ROW
EXPOSED		EXP	ROOF DRAIN	RD
EXTERIOR		EXT	ROOF LEADER	RL
EXTERIOR INSULATION & FINISH SYSTEM		EIFS	ROUGH OPENING	RO
FACE OF CONCRETE		F00	SECTION	SECT
FACE OF CONCRETE FACE OF MASONRY		FOC FOM	SERVICE SINK	SERV SK
FACE OF STUD		FOS	SHEATHING SIMILAR	SHTHG SIM
FACE OF SHEATHING		FOSHTHG	SOLID CORE	SC
FINISH(ED)		FIN FLB	SPECIFICATION(S)	SPEC
FINISH FLOOR FIRE EXTINGUISHER (CABINI	FT)	FIN FLR FE(C)	SQUARE	SQ
FLOOR CLEAN OUT	L1)	FCO	SQUARE FEET STRUCTURAL	SF or SQ STRUCT
FLOOR		FLR	SUSPENDED	SUSP
FLOORING FOOTING		FLG FTG	SYNTHETIC	SYNTH
OOTINO		110	TACKBOARD	TKBD
GALVANIZED IRON		GI	TONGUE & GROOVE	T&G
GAUGE GENERAL CONTRACT(OR)		GA GC	TOP OF FOOTING	TOF
GLASS, GLAZING		GL	TOP OF MASONRY TOP OF SLAB (OR STEEL)	TOM TOS
GLAZED CONCRETE MASONF	RY UNIT	GLZ CMU	TOP OF STUD WALL	TOSW
GYPSUM		GYP	VINYL COMPOSITION TILE	VCT
HANDICAP		HC	VERTICAL	VERT
HARDWARE HARDWOOD		HDWD HDWD		
HARDWOOD HEATING/VENTILATION/AIR(	CONDITIONING	HDWD HVAC	WATER CLOSET	WC WL
HEIGHT		HT	WATER HEATER WELDED WIRE FABRIC	WH WWF
		HC		*****
HOLLOW CORE HOLLOW METAL HORIZONTAL		HM HORIZ		

# MATERIAL INDICATIONS

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

# SYMBOLS



## **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.



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# ARCHITECT ROBERT CALVANI CONSULTANT

PROJECT TITLE

**ROOSEVELT** COUNTY **FAIRGROUNDS PAVILION** |MULTI PURPOSE|

> **PORTALES NEW MEXICO**

**REVISIONS:** MK DATE DESCRIPTION

DRAWN BY: CHECKED BY:

PROJECT NUMBER: A1816.23

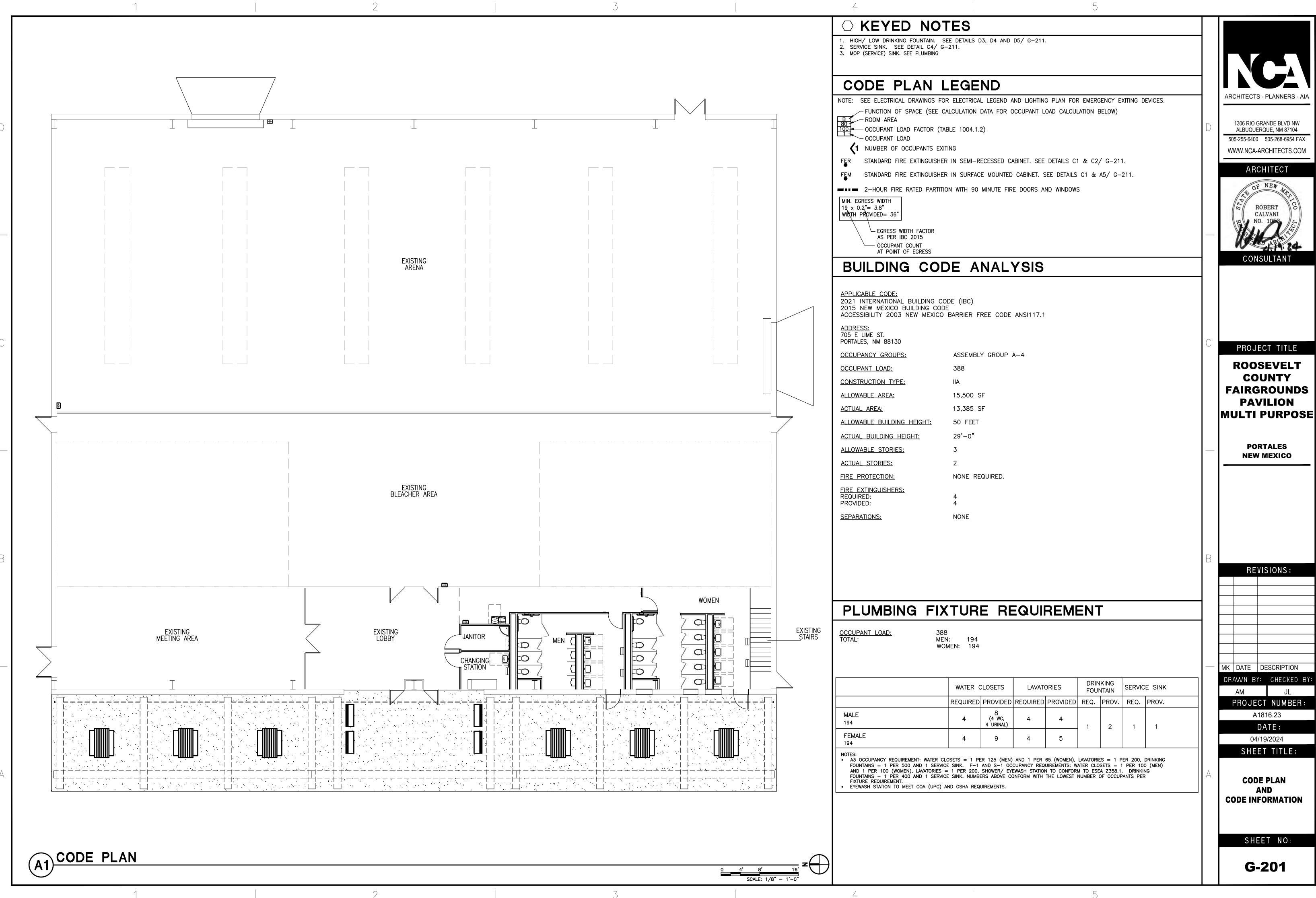
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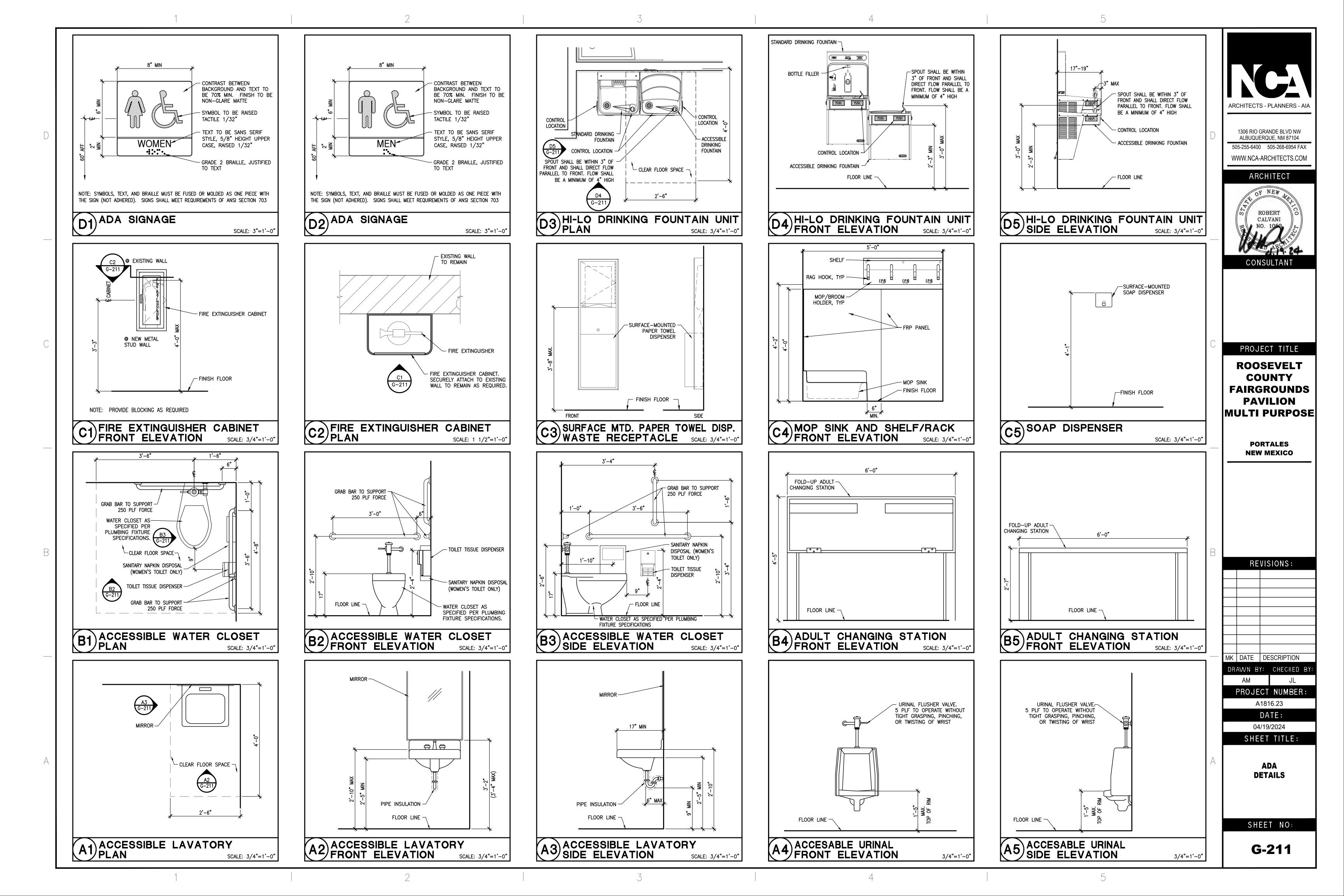
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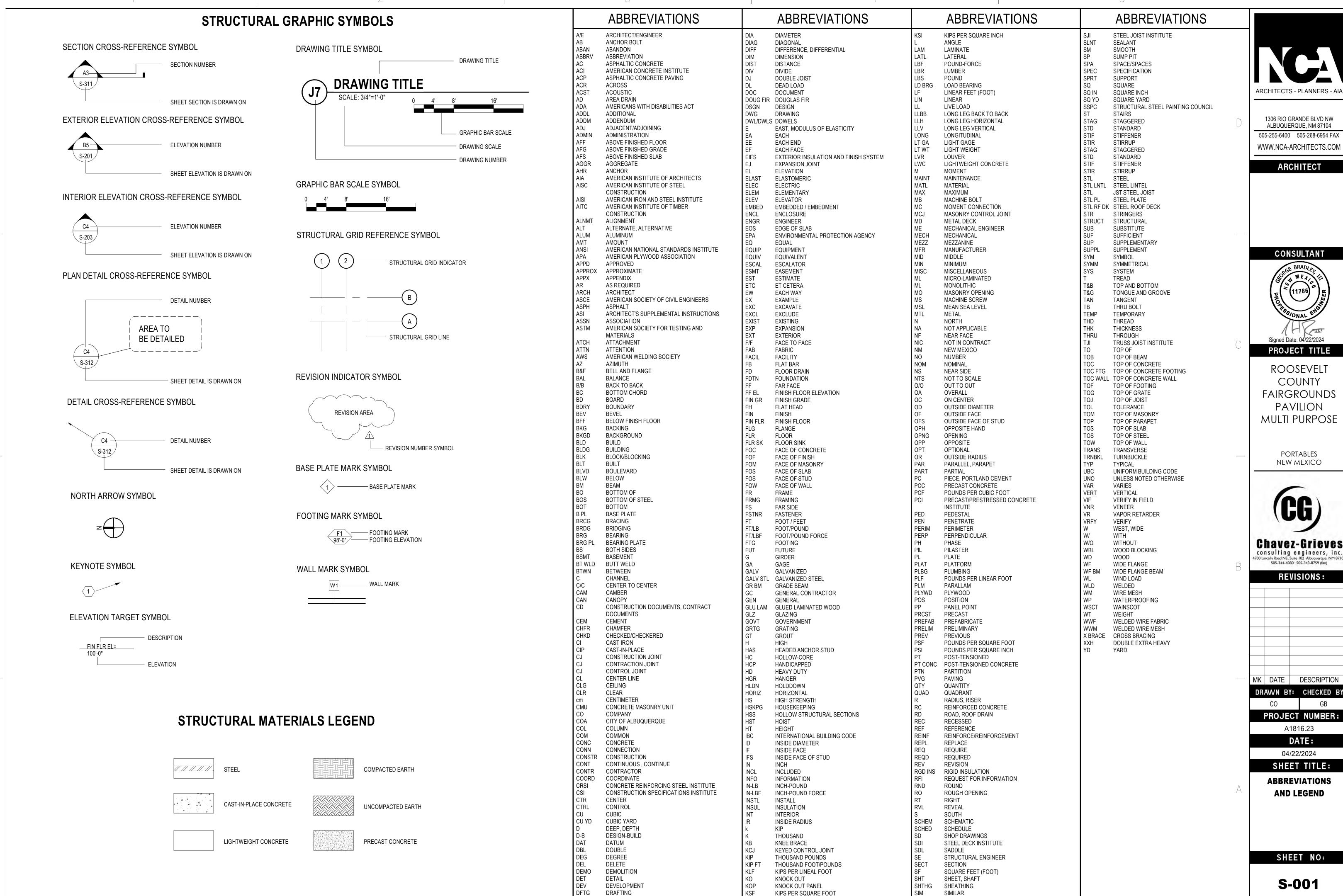
**GENERAL INFORMATION** 

SHEET NO:

G-101







THE FOUNDATION NOTES INCLUDED HEREIN ARE A SUMMARY OF THE REQUIREMENTS OF THE PROJECT

ΓΗΕ PROJECT GEOTECHNICAL REPORT SHALL GOVERN.

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

FTHERE ARE DISCREPANCIES BETWEEN THE FOUNDATION NOTES AND THE PROJECT GEOTECHNICAL REPORT

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.

FITHERE ARE ANY QUESTIONS REGARDING THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT, THE CONTRACTOR SHALL ISSUE RFI'S (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

**GENERAL:** 

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.

FESTS 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.

#### <u>SITE, SUBFLOOR AND BEARING SURFACE PREPARATION:</u>

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 REBLENDING OF THE EXISTING SITE SOILS, MIXING THE EXISTING SITE SOILS WITH IMPORTED FILL, OR REMOVING THE EXISTING SITE SOILS ENTIRELY AND REPLACING WITH IMPORTED

### **COMPACTION REQUIREMENTS:**

N 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 SUBGRADE BELOW STRUCTURAL FILL AT NON-EXPANSIVE SOILS

SUBGRADE BELOW STRUCTURAL FILL AT EXPANSIVE SOILS

## **GENERAL STRUCTURAL NOTES**

IBC-21: INTERNATIONAL BUILDING CODE 2021 ASCE/SEI 7-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES AISC 360-16: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

AISC MANUAL OF STEEL CONSTRUCTION 15TH EDITION

ACI 318-19: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ANSI/AWC NDS-18 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH 2018 SUPPLEMENT AWS D1.1-10: STRUCTURAL WELDING CODE - STEEL

#### **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**

JN I AL.		
WIND	ULTIMATE DESIGN WIND SPEED RISK CATEGORY EXPOSURE	115 MPH II C
SEISMIC SEISMIC IMPORTANCE FACTOR SITE CLASS SPECTRAL RESPONSE COEFFICIENTS		IE = 1.0 D
SECT	SHORT PERIOD  1 SECOND PERIOD	SDS=0.088G SD1=0.053G

#### ALLOWABLE SOIL BEARING PRESSURE = 2300 PSF

#### **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 BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA, INCLUDING THE FOLLOWING REQUIREMENTS FROM STANDARDS - 29 CFR, SECTION 1926,

A. THE STEEL ERECTION CONTRACTOR SHALL NOT ERECT STEEL UNLESS THEY HAVE RECEIVED WRITTEN NOTIFICATION FROM THE CONTRACTOR THAT THE CONCRETE IN THE FOOTINGS. PIERS AND WALLS OR THE MORTAR IN THE MASONRY PIERS AND WALLS HAS ATTAINED, ON THE BASIS OF AN APPROPRIATE ASTM STANDARD TEST METHOD OF FIELD-CURED SAMPLES, EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE DESIGN STRENGTH OR SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED DURING STEEL ERECTION.

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

B. ANCHOR RODS (ANCHOR BOLTS) SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

PRIOR TO ERECTION OF COLUMNS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE STEEL ERECTOR IF THERE HAS BEEN ANY REPAIR, REPLACEMENT OR MODIFICATION OF THE ANCHOR RODS (ANCHOR BOLTS).

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

- C. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST OR STEEL JOIST GIRDER SHALL BE MADE WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.
- D. METAL DECKING HOLES AND OPENINGS SHALL NOT BE CUT UNTIL IMMEDIATELY PRIOR TO BEING PERMANENTLY FILLED WITH THE EQUIPMENT OR STRUCTURE OR SHALL BE IMMEDIATELY COVERED.

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

## **GENERAL STRUCTURAL NOTES**

DO NOT SCALE DRAWINGS

**DRAWINGS:** 

#### **CAST-IN-PLACE CONCRETE**

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

ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.

#### NORMALWEIGHT CONCRETE

F'C = 4500 PSI @ 28 DAYS - ALL CONCRETE. EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F1 ACCORDING TO ACI 318 TABLE 19.3.1.1.

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. A CONTENT IN FIRE RATED SLABS SHALL ALSO COMPLY WITH THE REQUIREMENTS IN THE SPECIFIED UL LISTING.

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.

SAW-CUT CONTROL JOINTS IN SLABS-ON-GRADE SHALL NOT CUT THE SLAB REINFORCING.

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

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

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.

ALL WELDED WIRE FABRIC SHALL BE DEFORMED AND SHALL CONFORM TO ASTM A479. PROVIDE IN FLAT SHEETS

TENSION AND COMPRESSION LAPS IN REINFORCING SHALL CONFORM TO THE LAP SPLICE SCHEDULE ON SHEET S-601 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 | SEE PLANS FOR GRADE, THICKNESS, AND LOCATIONS OF SHEATHING. (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"
- C. 5" CONCRETE SLAB-ON-GRADE: 1 1/2" FROM TOP OF SLAB

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.

### **POST INSTALLED ANCHORS**

THE STRUCTURAL DESIGN IS BASED ON THE POST INSTALLED ANCHORING SYSTEMS NOTED BELOW. SINCE ANCHOR  $\mid$  CAPACITIES VARY BY MANUFACTURER, THE CONTRACTOR SHALL USE ONLY THE SYSTEMS NOTED BELOW UNLESS AN ALTERNATE IS APPROVED BY THE ENGINEER OF RECORD. ALTERNATE ANCHORING SYSTEMS MAY REQUIRE RE-DESIGN TO VERIFY ANCHOR QUANTITIES, SPACING, AND EMBED DEPTHS. THE CONTRACTOR SHALL BE RESPONSIBLI FOR ANY ADDITIONAL CONSTRUCTION AND RE-DESIGN COSTS ASSOCIATED WITH THE ALTERNATE ANCHORING

INSTALLATION OF ALL POST-INSTALLED ANCHORS SHALL BE PER THE MANUFACTURER'S PRINTED INSTRUCTIONS.

ALL ADHESIVE (EPOXY OR ACRYLIC) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO CONCRETE SHALL BE HIL1 HIT-RE 500 V3 OR HIT-HY 200 EPOXY ADHESIVE ANCHORING SYSTEM OR EQUAL.

ALL POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE HILTI KWIK BOLT TZ EXPANSION ANCHOR OR

ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.

ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH SPECIAL INSPECTION AS DICTATED BY THE RESPECTIVE PRODUCT'S ICC-ES EVALUATION SERVICE REPORT

## **GENERAL STRUCTURAL NOTES**

#### STRUCTURAL AND MISCELLANEOUS STEEL:

ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOI

STRUCTURAL STEEL BUILDINGS".

ALL MISCELLANEOUS STEEL MEMBERS, SUCH AS CHANNELS, ANGLES, FLAT BARS, AND PLATES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.

ALL RECTANGULAR AND SQUARE STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE C, FY = 50 KSI OR ASTM 1085, GRADE A, FY = 50 KSI.

ALL ROUND STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, FY = 46 KSI OR ASTM 1085, GRADE A, F\ = 50 KSI.

ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM F1554 GRADE 36 THREADED RODS WITH DOUBLE NUTS. PROVIDE FLAT WASHERS BETWEEN NUTS AND BASEPLATE SURFACES. ANCHOR BOLT LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHOR BOLTS WITH ADDITIONAL BOLT LENGTH TO FACILITATE THE REQUIRED CONNECTION.

ANCHOR BOLT FLAT WASHERS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 14-2 OF AISC 360, AISC MANUAL OF STEEL CONSTRUCTION.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE AWS STRUCTURAL WELDING CODE.

ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF MISALIGNED HOLES WILL NOT BE ALLOWED

HEADED CONCRETE ANCHORS AND SHEAR CONNECTORS SHALL BE MADE FROM STEEL CONFORMING TO ASTM A108 AND MEET THE MECHANICAL PROPERTIES OF TYPE B. AS REQUIRED BY CHAPTER 7 OF AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". STRUCTURAL STEEL TO RECEIVE SHEAR CONNECTORS SHALL BE FREE OF PAINT. WELDING PREQUALIFICATION REQUIRED.

#### **WOOD FRAMING:**

ALL SAWN LUMBER (2"-4" THICK, 2" & WIDER) EXCEPT STUDS SHALL BE HEM FIR, NO. 2 OR BETTER, WITH THE FOLLOWING ALLOWABLE STRESSES:

MAXIMUM FIBER STRESS IN BENDING	FB= 850 PSI
TENSION PARALLEL TO GRAIN	FT= 525 PSI
COMPRESSION PARALLEL TO GRAIN	FC= 1300 PSI
COMPRESSION PERPENDICULAR TO GRAIN	FC= 405 PSI
HORIZONTAL SHEAR	FV= 150 PSI
MODULUS OF ELASTICITY	E= 1,300,000 PSI

ALL SAWN LUMBER (5"x5" OR LARGER BEAMS AND STRINGERS) SHALL BE HEM FIR, NO. 2 OR BETTER, WITH THE FOLLOWING ALLOWABLE STRESSES:

MAXIMUM FIBER STRESS IN BENDING: FB= 675 PSI TENSION PARALLEL TO GRAIN: FT= 350 PSI COMPRESSION PERPENDICULAR TO GRAIN FC= 405 PSI COMPRESSION PARALLEL TO GRAIN FC= 500 PSI HORIZONTAL SHEAR FV= 140 PSI MODULUS OF ELASTICITY E= 1,100,000 PS

ALL SAWN LUMBER (5"x5" OR LARGER POSTS AND TIMBERS) SHALL BE HEM FIR. NO. 2 OR BETTER. WITH THE FOLLOWING ALLOWABLE STRESSES:

MAXIMUM FIBER STRESS IN BENDING FB= 575 PSI TENSION PARALLEL TO GRAIN FT= 375 PSI COMPRESSION PARALLEL TO GRAIN FC= 575 PSI COMPRESSION PERPENDICULAR TO GRAIN FC= 405 PSI HORIZONTAL SHEAR FV= 140 PSI MODULUS OF ELASTICITY E= 1,100,000 PSI

### <u>APA SPAN RATED SHEATHING:</u>

## **WOOD CONNECTIONS:**

BOLTS AND LAG BOLTS (OR SCREWS) SHALL BE ASTM A307.

LAG BOLTS (OR SCREWS) SHALL BE INSTALLED IN PRE-DRILLED HOLES. THE SIZE OF THE PRE-DRILLED HOLES SHALI BE PER THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

## **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.



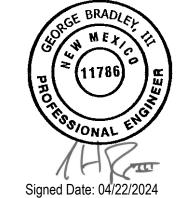
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## ARCHITECT

CONSULTANT



#### PROJECT TITLE

ROOSEVELT COUNTY **FAIRGROUNDS** PAVILION **MULTI PURPOSE** 

> PORTABLES NEW MEXICO



# 505-344-4080 · 505-343-8759 (fax)

# REVISIONS:

DRAWN BY: CHECKED BY

PROJECT NUMBER:

─ | MK | DATE | DESCRIPTION

A1816.23 DATE:

04/22/2024 SHEET TITLE: **GENERAL** 

STRUCTURAL

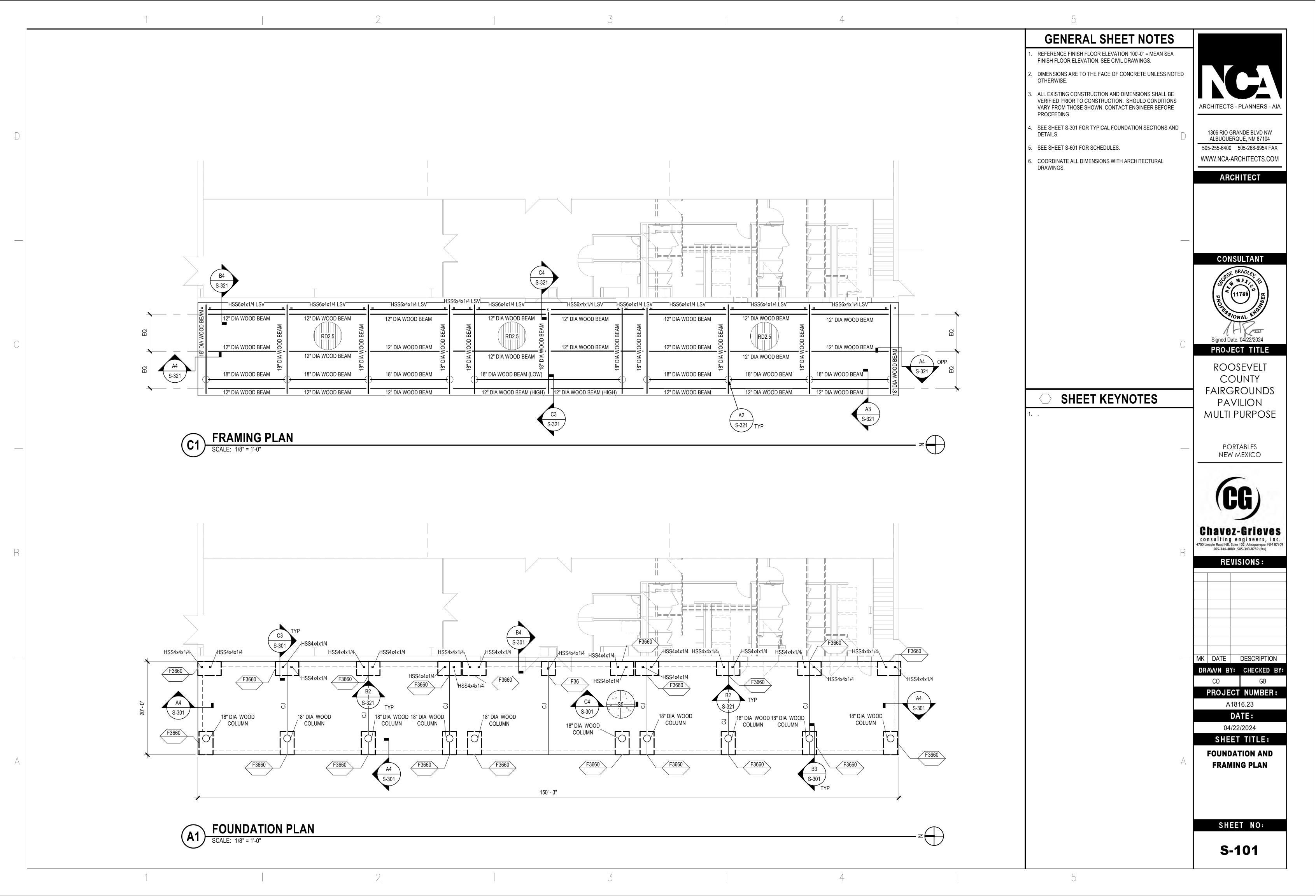
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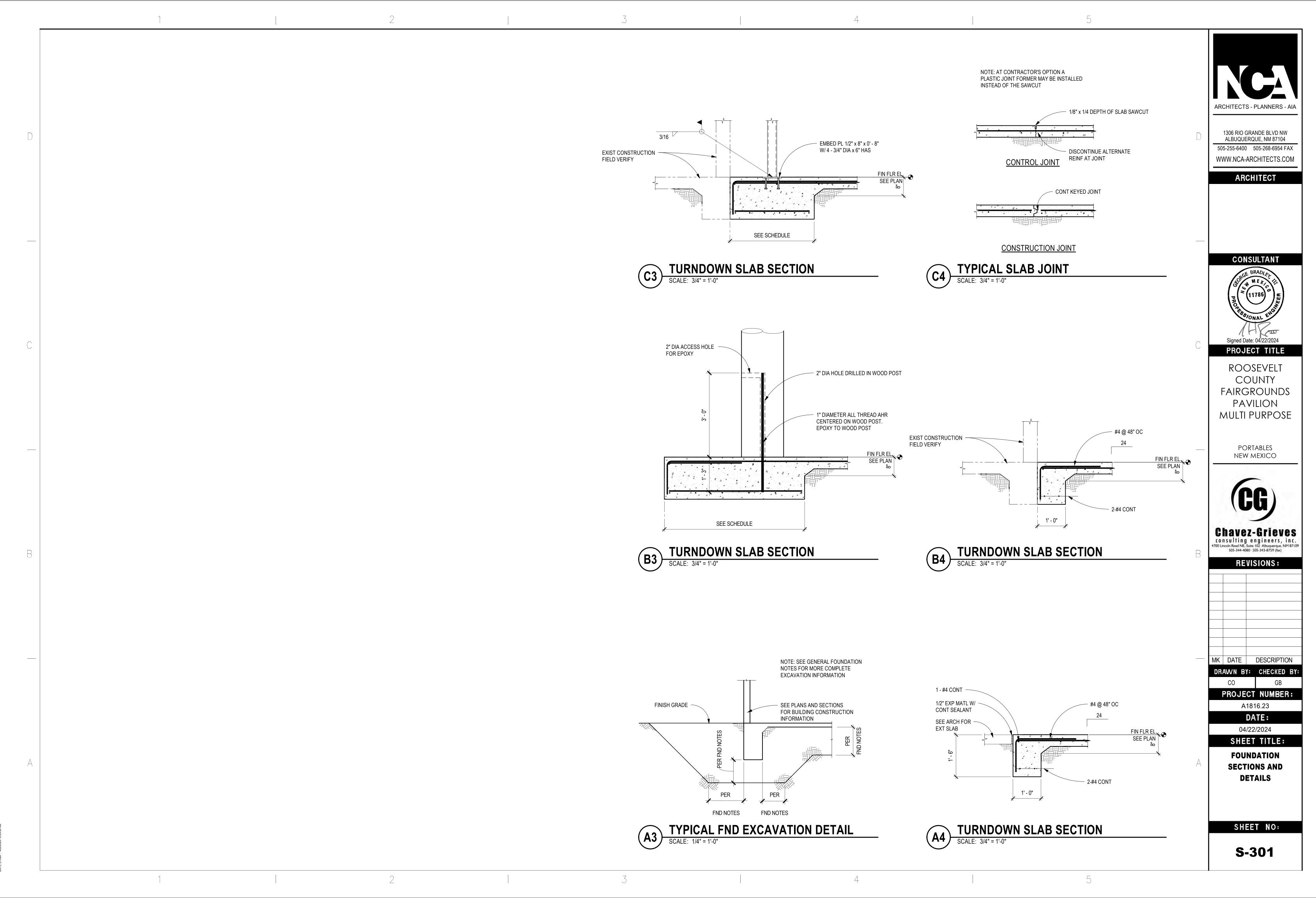
**S-002** 

1306 RIO GRANDE BLVD NW ALBUQUERQUE, NM 87104 505-255-6400 505-268-6954 FAX WWW.NCA-ARCHITECTS.COM ARCHITECT CONSULTANT 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. Signed Date: 04/22/2024 3. REPORTING FOR SPECIAL INSPECTION - SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND PROJECT TITLE 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 ROOSEVELT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED. COUNTY 4. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-FAIRGROUNDS STRUCTURAL SPECIAL INSPECTION ITEMS. PAVILION 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. MULTI PURPOSE 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 PORTABLES NEW MEXICO 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. Chavez-Grieves consulting engineers, inc. 4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109 505-344-4080 · 505-343-8759 (fax) REQUIRED DESCRIPTION OF REQUIREMENTS **REVISIONS:** ITEM (YES/NO) SPECIAL INSPECTION OF STRUCTURAL TO BE PERFORMED IN ACCORDANCE WITH CHAPTER N OF AISC YES STEEL SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION OTHER THAN TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.2 YES STRUCTURAL STEEL SPECIAL INSPECTIONS AND VERIFICATIONS TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.3 YES FOR CONCRETE CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.4 SPECIAL INSPECTIONS AND VERIFICATIONS NO AND REFERENCED STANDARDS MK DATE DESCRIPTION FOR MASONRY CONSTRUCTION DRAWN BY: CHECKED BY: SPECIAL INSPECTIONS AND VERIFICATIONS TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.5 YES FOR WOOD CONSTRUCTION PROJECT NUMBER: TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.6, SPECIAL INSPECTIONS AND VERIFICATIONS | THE GEOTECHNICAL REPORT LISTED IN THE GENERAL YES A1816.23 OF SOILS FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE GENERAL FOUNDATION NOTES DATE: TO BE PERFORMED IN ACCORDANCE WITH IBC SECTIONS SPECIAL INSPECTIONS AND VERIFICATIONS 04/22/2024 1705.7-1705.10 AS APPLICABLE, THE GEOTECHNICAL REPORT FOR DEEP FOUNDATIONS (DRIVEN PILES, SHEET TITLE: NO LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER CAST-IN-PLACE, OR HELICAL PILES AS APPLICABLE) REQUIREMENTS LISTED IN THE CONSTRUCTION DOCUMENTS SPECIAL SPECIAL INSPECTION OF FABRICATED TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.11 NO INSPECTION ITEMS **TABLES** SPECIAL INSPECTIONS FOR WIND RESISTANCE (REQUIRED ONLY FOR V= 150MPH OR GREATER IN EXPOSURE NO TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.12 CATEGORY B, OR V=140MPH OR GREATER IN EXPOSURE CATEGORY C OR D) SHEET NO: SPECIAL INSPECTIONS AND TESTING FOR TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SEISMIC RESISTANCE (REQUIRED FOR NO SECTIONS OF IBC 1705.13 AND 1705.14 STRUCTURES ASSIGNED TO CATEGORIES **S-003** C, D, E, OR F)

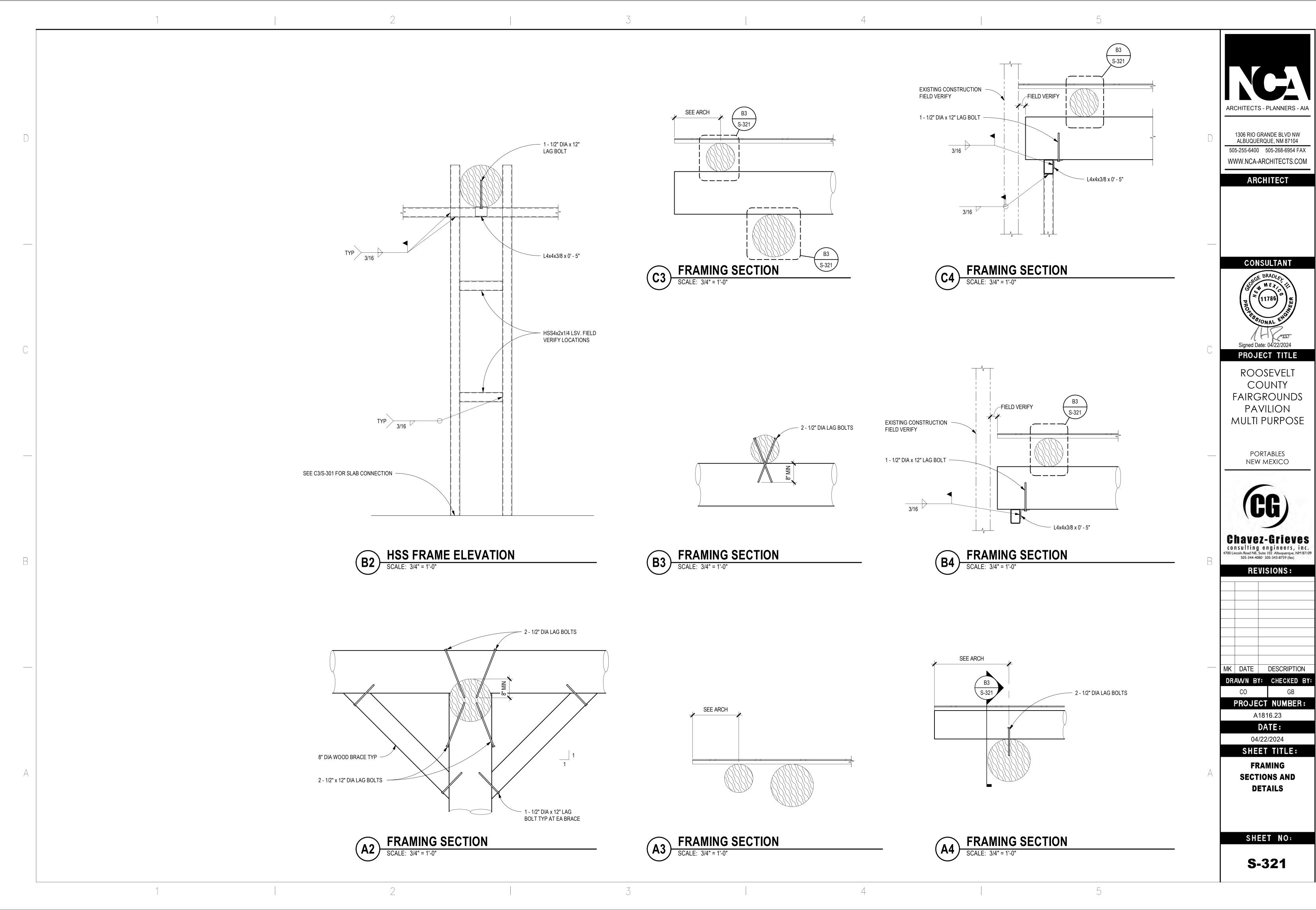
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FILE NAME.C:Revit Projects/N02364, ROOSEVELT CO.FAIRGROUNDS PAVILION, STRUCT\_carloso DATE STAMP - 40/20074 10-24-36 AM



FILE NAME: C:Revit Projects/N02364\_ROOSEVELT CO.FAIRGROUNDS PAVILION\_STRUCT\_carlossGB6CD DATE STAMP: 4/22/2024 10:24:37 AM

WOOD DECK SCHEDULE DECK ATTACHMENTS WOOD DECK PANEL EDGE PANEL FIELD COMMENTS DECK RD2.5 1/2" PLYWOOD PANELS OVER 2" x 12" #10 x 1 1/2" EXTERIOR GRADE #10 x 1 1/2" EXTERIOR GRADE WOOD ATTACH WOOD PLANKS TO SUPPORTS W/ 3 - #12 x 4" WOOD SCREWS @ 6" OC SCREWS @ 12" OC EACH WAY EXTERIOR GRADE WOOD SCREWS

	SLAB-ON-GRADE SCHEDULE							
		SLAB						
MARK	THICKNESS	MATL	REINFORCING	BEARING STRATA	COMMENTS			
S5	5"	NORMAL WEIGHT CONC	#4 @ 18" OC EACH WAY	15 MIL VAPOR RETARDE OVER SUBGRADE PER GEN FDTN NOTES				

	SPOT FOOTING SCHEDULE						
		SIZE					
MARK	WIDTH	LENGTH	DEPTH	REINFORCING	COMMENTS		
F36	3' - 0"	3' - 0"	1' - 6"	4 - #4 EA WAY BOT			
F3660	3' - 0"	5' - 0"	1' - 6"	4 - #4 LONG DIRECTION 6 - #4 SHORT DIRECTION BOT			

	RE	EINFORCING	LAP SPLICE	SCHEDULE				
REINFORCEMENT TYPE		#6 AND SMALLER (NUMBER OF BAR DIAMETERS)		#7 AND LARGER (NUMBER OF BAR DIAMETERS)			MINIMUM	COMMENTS
INCHINI ON CENTENT TITE	3000 PSI 4000 PSI		5000 PSI	3000 PSI	4000 PSI	5000 PSI	LENGTH (IN)	COMMENTS
CONTINUOUS WALL FOOTINGS AND HORIZONTAL REINFORCEMENT IN SITE WALLS AND STEMWALLS	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 STEMWALLS	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			

- 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'C, USE THE CLOSEST LOWER VALUE IN THE TABLE. DO NOT INTERPOLATE

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**ARCHITECT** 

CONSULTANT

PROJECT TITLE

ROOSEVELT COUNTY FAIRGROUNDS PAVILION MULTI PURPOSE

> PORTABLES NEW MEXICO



**REVISIONS:** 

MK DATE DESCRIPTION DRAWN BY: CHECKED BY: PROJECT NUMBER:

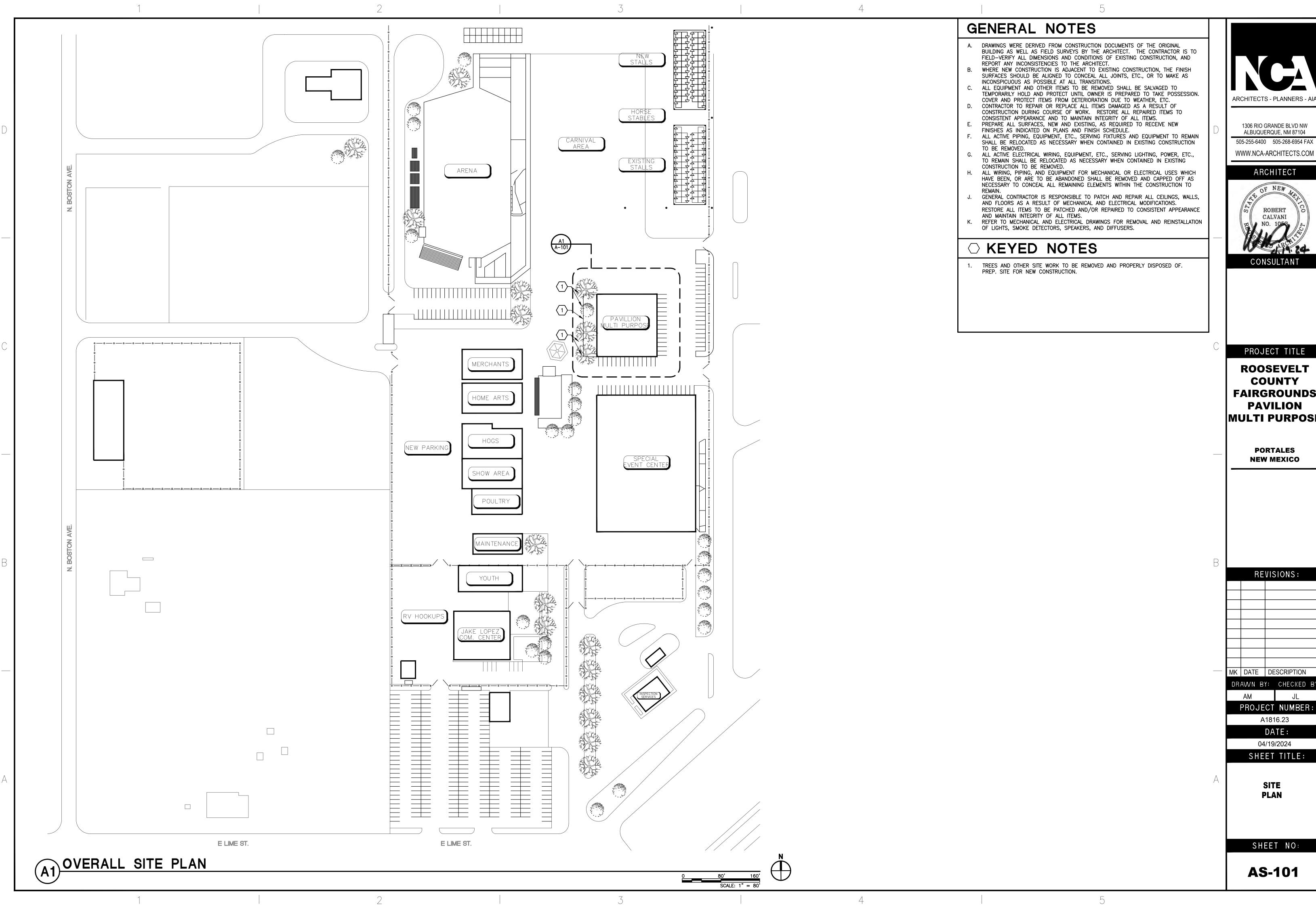
A1816.23 DATE:

04/22/2024 SHEET TITLE:

**SCHEDULES** 

SHEET NO:

**S-601** 



**ROOSEVELT FAIRGROUNDS** |MULTI PURPOSE|

PROJECT NUMBER