

General Framing Notes and Schedules

1.0 GENERAL LOADING CONDITIONS

- 1.1 BUILDING CODES: INTERNATIONAL BUILDING CODE (IBC) 2018
- 1.2 DESIGN LOADS:

SKID & ENCLOSURE400 LBS

GENERATOR DRY WEIGHT1847 LBS
- 1.3 DESIGN WIND SPEED (3-SECOND GUST):

150 MPH , EXPOSURE C

WIND IMPORTANCE FACTOR (I_w): 1.0

SEE GENERATOR DRAWINGS FOR ADDITIONAL WIND SPECIFICATIONS
- 1.4 DESIGN SNOW LOAD:

$P_g = 50$ PSF, $C_e = 1.0$, $C_t = 1.0$, $I = 1.2$
- 1.5 SEISMIC ANALYSIS :

SEISMIC IMPORTANCE FACTOR (I_e): 1.0

RISK CATEGORY: II

SITE CLASS: D

MAPPED SPECTRAL RESPONSE ACCELERATIONS:

S_S : 1.5

S_I : 0.716

SPECTRAL RESPONSE COEFFICIENTS:

S_{DS} : 1.0

SEISMIC DESIGN CATEGORY: D

EQUIVALENT LATERAL FORCE PROCEDURE

1.6 SOIL BEARING CAPACITY: 2000 PSF (PRESCRIPTIVE VALUE)

2.0 GENERAL CONDITIONS

- 2.1 THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO THE FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.
- 2.2 THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORTS THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
- 2.3 THE PROJECT SPECIFICATIONS SHALL BE CONSIDERED AN INTEGRAL PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW THE SPECIFICATIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- 2.4 THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS AND PUBLIC AGENCIES SAFETY ORDINANCES.
- 2.5 AN APPROVED AGENCY OR INDIVIDUAL SHALL INSPECT THE FOUNDATION PER THE OWNER'S DIRECTION AND LOCAL ADMINISTRATION.

3.0 MATERIALS

- 3.1 STEEL

REBAR TO BE GRADE 60

MINIMUM LAP SLICE FOR REBAR TO BE:

#4 BAR = 24 INCH

#5 BAR = 30 INCH

#6 BAR = 36 INCH

ANCHOR BOLTS: ASTM F1554

3.2 CONCRETE

1. STRUCTURAL CONCRETE SHALL COMPLY WITH AMERICAN CONCRETE INSTITUTE (ACI) CODES 318 AND 530, LATEST EDITION
2. CONCRETE SHALL HAVE 3500 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
3. REBAR: ASTM A615 GRADE 60
4. SLAB REBAR PER PLAN.
5. CONCRETE TO HAVE 3" COVER WHEN EXPOSED TO EARTH, AND 2" COVER ELSEWHERE.
6. GROUT: ASTM C476 (COMPRESSIVE STRENGTH OF GROUT, F' G, SHALL NOT BE LESS THAN 5000 PSI.)
7. CONTROL JOINTS SHALL BE INSTALLED AS REQUIRED TO LIMIT COSMETIC CRACKING.

Special Inspection Requirements

REQUIRED STRUCTURAL SPECIAL INSPECTIONS				
SYSTEM/MATERIAL	IBC REFERENCE	FREQUENCY		CODE OR STANDARD
		CONTINUOUS	PERIODIC	
FABRICATED SYSTEMS	1704.2		X	
CONCRETE				
REINFORCING STEEL	1704.4 1704.5 1913.4		X	ACI 318 1.3.2.C ACI 318 7.5
PLACEMENT OF CAST IN PLACE ANCHOR BOLTS	1704.4 1911.1 1912.1	X		ACI 318 1.3.2.C
VERIFY USE OF REQUIRED MIX DESIGN(S)	1704.4, 1904 1905.2-4 1913.2-3		X	ACI 318 1.3.2.A ACI 318 CHPT 4 ACI 318 5.2-5.4
CONCRETE PLACEMENT	1704.4 1905.9-10	X		ACI 318 1.3.2.D ACI 318 5.9-5.10
CONCRETE CURING	1704.4 1905.11-13 1913.9		X	ACI 318 1.3.2.D ACI 318 5.11-5.13
VERIFY IN-SITU CONCRETE PRIOR TO FORM REMOVAL	1704.4 1906.2		X	ACI 318 6.2.2.1
VERIFY FORM WORK	1704.4 1906.1		X	ACI 318 6.2.2.1
POST-INSTALLED ANCHORAGE				
INSTALLATION IN HARDENED CONCRETE	1703.4.2 1704.13.3		X	ICC EVALUATION REPORT

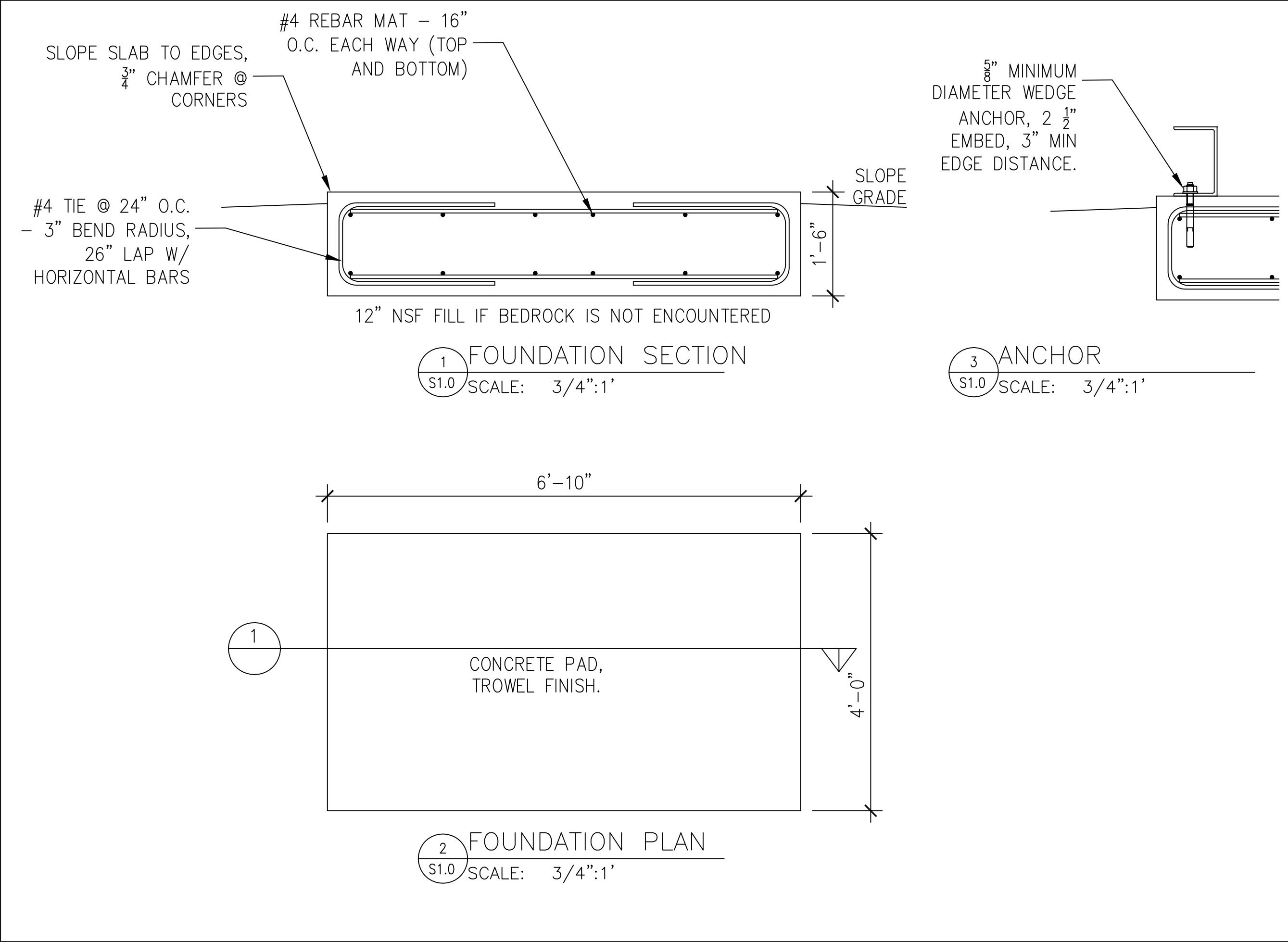


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DATE: 7/30/21	DR'N: APA	CHK'D: JK	TYPE: FOUNDATION	Scale: As Noted
SHEET NO: <div>S1</div>				
REV 0: Issue for Construction				

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STATE OF ALASKA

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7/30/21

REGISTERED PROFESSIONAL ENGINEER

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