DESIGN LOADS:

SITE CLASSIFICATION

4. BOLTS IN WOOD ARE MACHINE BOLTS, UNLESS OTHERMSE NOTED, MACHINE BOLTS SHALL HAVE A SHANK DIAMETER WITHIN 1/64 "OF THAT SPECIFED. BOLTS ARE ASTM 307 STEEL. BOLT HOLES IN WOOD SHALL BE 1/32" OVERSIZE. WHERE STEEL IS CONNECTED TO WOOD, HOLES IN STEEL SHALL BE 1/16" OVERSIZE. PROVIDE STANDARD CUT WASHERS UNDER HEAD AND NUT WHERE BEARING IS AGAINST WOOD.

WOOD FRAMING CONNECTORS:

2. ALL CONNECTORS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM—A653. CONNECTORS IN CONTACT WITH PRESSURE TREATED MATERIALS SHALL HAVE G—185 CUAING. CONNECTORS NOT IN CONTACT WITH TREATED MATERIALS SHALL HAVE STANDARD G—60 COAING.

- SIMPSON CPTZ66 POST BASE W/(2) HILTI KH-EZ ½*x3½* SCREW ANCHORS INTO (F) CONCRETE. TYP (E) CURB AND SIDEWALK -(E) CONCRETE FOUNDATION TO REMAIN, TYP

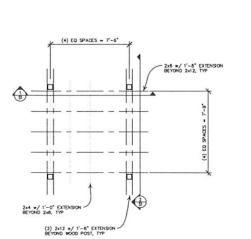
2 FRAMING SECTION SCALE: 3/4" = 1'-0"

1 FRAMING SECTION
SCALE: 3/4" = 1'-0"

2x6 FASTENED TO 2x6 W/ — (4) #8 x 2 1/2" GALVANIZED SCREWS EACH END, TYP

1x2 LATTICE - FASTEN ALL ENDS -TO 2x6 AT TOP, BOTTOM, AND SIDES
W/ y6 x 1%" GALVANIZED SCREWS.
FASTEN EACH LATTICE INTERSECTION
W/ y6 x 1%" GALVANIZED SCREW.

2x6 FASTENED TO WOOD POSTS W/ (4) #8 x 3" GALVANIZED DECK SCREWS.



FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



PLAN NOTES

- . SEE THIS SHEET FOR STRUCTURAL NOTES
- VERIFY ALL DIMENSIONS & CONDITIONS BEFORE CONSTRUCTION COMMENCES.
- PROJECT CONSISTS OF REPLACEMENT OF (2) EXISTING PERGOLAS AT WILSON PARK NEAR THE NORTHEAST CORNER OF THE PLAYGROUND. ORIENTATION OF NEW PERGOLAS SHALL MATCH EXISTING.
- ALL SCREWS AND POST BASES SHALL BE GALVANIZED.

GENERAL NOTES:

1. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

2. THE STRUCTURE IS DESCAMED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLIDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING (AND ACCOMPANYING FOOTINGS), GUYS OR TIEDOWNS.

DESIGN CODES:

- 2009 INTERNATIONAL BUILDING CODE.
- ACI 318-05 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY.
- 2005 NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION.

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED WITH THE FOLLOWING SUPERIMPOSED LOADINGS:

	ROOF:	SNOW LOAD	30 ps
		GROUND SNOW LOAD	43 ps
		DEAD LOAD	15 psf
	WND:	BASIC WND SPEED	90 mg
		EXPOSURE CATEGORY	C
		IMPORTANCE FACTOR	1.0
	SEISMIC:	USE GROUP	H
		SEISMIC DESIGN CATEGORY	A

W200;

1. STRUCTURAL 2x WOOD COMPONENTS HAVE BEEN DESIGNED AS SPRUCE-PINE-FIR (SPF) OR HEM-FIR (HF) NO. 2 OF BETTER AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE FIBER STRESSES AND PROPERTIES:

MODULUS OF ELASTICITY (E)	1,300,000 PS
BENDING (Fb)	850 PSI
SHEAR (FV)	70 PSI

2. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PROTECTED OR PRESSURE TREATED IN ACCORDANCE WITH ATC-109.

MEMBER SIZES SHOWN ARE NOMINAL UNLESS NOTED OTHERWISE.

1. CONNECTOR MODEL NUMBERS SHOWN ARE "Strong-Tie" CONNECTORS AS MANUFACTURERED BY "SIMPSON Strong-Tie Co.", 1450 DOOUTHE DR., PO BOX 1568, SAN LEANDRO, CA 94577. SUBSTITUTIONS ARE ACCEPTABLE ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER.



 \subseteq 3.9606 Engineering 3202 W. MAIN, SUITE C RAPID CITY, SOUTH DAKOTA Albertson 3202 W. RAPID C. C. S. 343.

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