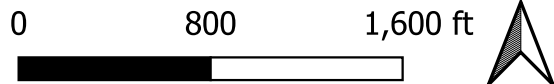


FIGURE 3
Smilin' Dogs / Marchi Property Overview

12/21/2022



LEGEND

- 20' Contours
- Farmland
- Trees and Scrub
- Subject Property
- Project Limits



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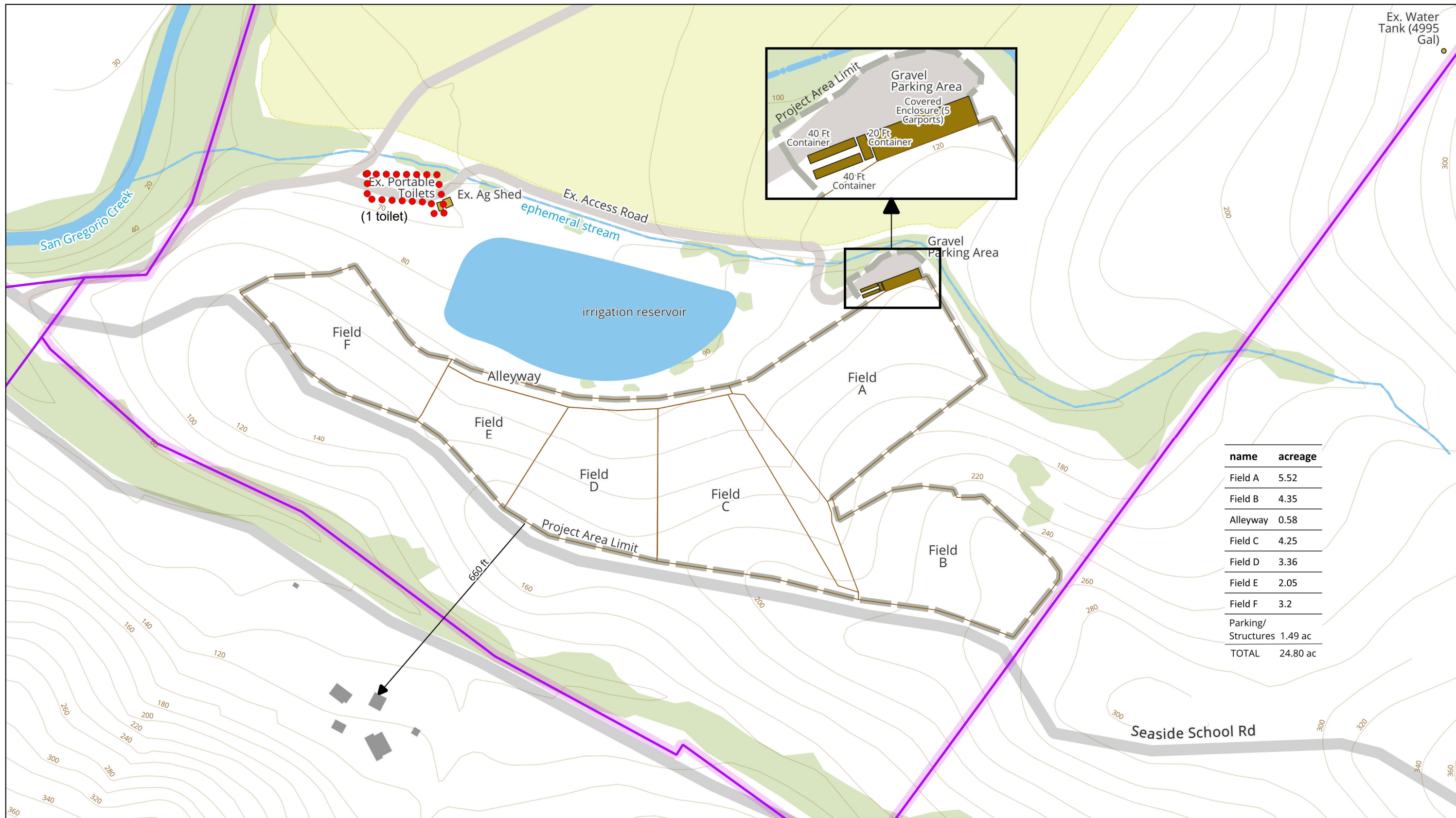
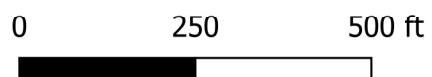


FIGURE 4 - revised
Smilin' Dogs Site Plan



LEGEND

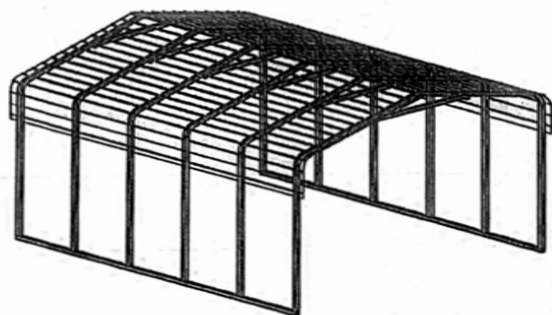
- 20' Contours
- Subject Property
- Farmland
- Trees and Scrub
- Project Limit

01/16/2025



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REGULAR / A-FRAME 16'-0" WIDE CARPORT STYLE BUILDINGS

DESIGN NOTES

1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH IBC 2018, OSHA, AISC 360, AISI 100, ASCE 7-16, AWS D 1.3 CODES AND ALL APPLICABLE LOCAL REQUIREMENTS.
2. BASE CONNECTIONS SHALL BE PROVIDED AS SHOWN ON FOUNDATION DETAILS SHEET.
3. ALL MATERIALS IDENTIFIED BY MANUFACTURER NAME MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL.
4. ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS.
5. ALL FIELD CONNECTIONS SHALL BE #12X1" SDS (ESR-2196 OR EQ).
6. STEEL SHEATHING SHALL BE 29GA CORRUGATED GALV. OR PAINTED STEEL - MAIN RIB HT. 3/4" (FY=80KSI) OR EQ.
7. ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL.
8. STRUCTURAL TUBE TS2 1/2"x2 1/2" - 14GA IS EQUIVALENT TO TS2 1/4"x2 1/4" - 12GA AND EITHER ONE MAY BE USED IN LIEU OF THE OTHER.
9. ALL DESIGN CRITERIA MUST BE INCREASED TO THE NEXT HIGHER INCREMENT BASED ON THE TABLES ON PAGE 4. NO INTERPOLATION IS ALLOWED.

DESIGN CRITERIA

PREVAILING CODE: CBC 2019 (IBC 2018)
 USE GROUP: U (CARPORTS, BARNES)
 RISK CATEGORY: I

1. DEAD LOAD (D) $D = 4$ PSF
2. ROOF LIVE/SNOW LOAD (Lr)
 $Lr = 20 - 61$ PSF
 (AS PER SNOW LOAD SEE TABLE 4)
3. SNOW LOAD (S)
 GROUND SNOW LOAD $P_g = 20 - 90$ PSF
 IMPORTANCE FACTOR $I_s = 0.8$
 THERMAL FACTOR $C_t = 1.2$
 EXPOSURE FACTOR $C_e = 1.0$
 ROOF SLOPE FACTOR $C_s = 1.0$
4. WIND LOAD (W)
 BASIC WIND SPEED $V_{ULT} = 105 - 180$ MPH
 EXPOSURE C
5. SEISMIC LOAD (E)
 DESIGN CATEGORY D
 IMPORTANCE FACTOR $I_e = 1.00$

LOAD COMBINATIONS:

1. $D + (Lr \text{ OR } S)$
2. $D + (0.6W \text{ OR } \pm 0.7E)$
3. $D + 0.75 (0.6W \text{ OR } \pm 0.7E) + 0.75 (Lr \text{ OR } S)$
4. $0.6D + (0.6W \text{ OR } \pm 0.7E)$

DRAWING INDEX

COVER SHEET	----	1
SCHEDULES & MEMBER - SECTIONS	----	2
FRAME SECTIONS & DETAILS	----	3
SPACING SCHEDULES - & ENCLOSURE NOTES	----	4
PURLIN & GIRT SCHEDULES	----	5
SHEATHING OPTIONS	----	6
SIDE WALL FRAMING & OPENINGS	----	7
END WALL FRAMING & OPENINGS	----	8-A, 8-B
CORNER BRACING DETAILS	----	9
OPTIONAL LEAN-TO ADDITION	----	10
FOUNDATION OPTIONS	----	11-A TO 11-D

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 www.a-a-engineers.com

DRAWING INFORMATION

PROJECT: 16'-0" WIDE BUILDINGS

LOCATION: STATE OF CALIFORNIA

PROJECT NO.: 233-21-0026

SHEET TITLE:

COVER SHEET

SHEET NO.: 1 / 11

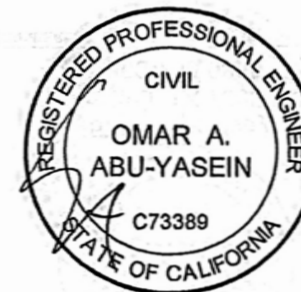
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 - DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE.

SEAL:



CUSTOMER INFORMATION

OWNER:
 ADDRESS:

DESIGN LOADS

GROUND SNOW:
 ROOF LIVE LOAD:
 BASIC WIND SPEED:

BUILDING INFORMATION

WIDTH:
 LENGTH:
 HEIGHT:

FRAME TYPE: A-FRAME
 REGULAR
 ENCLOSURE TYPE: FULL
 PARTIAL
 OPEN

CERTIFICATION VALIDITY NOTICE

CERTIFICATION ON THESE DRAWINGS IS VALID FOR ONE YEAR FROM DATE OF ISSUE

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DRAWING INFORMATION

PROJECT: 16'-0" WIDE BUILDINGS

LOCATION: STATE OF CALIFORNIA

PROJECT NO.: 233-21-0026

SHEET TITLE:

FRAME SECTIONS & DETAILS

SHEET NO.: 3 / 11

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LEGAL INFORMATION

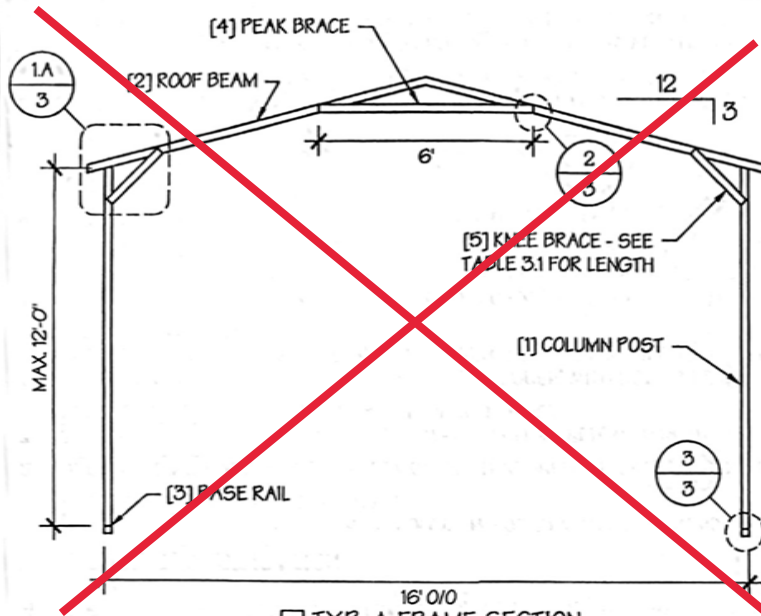
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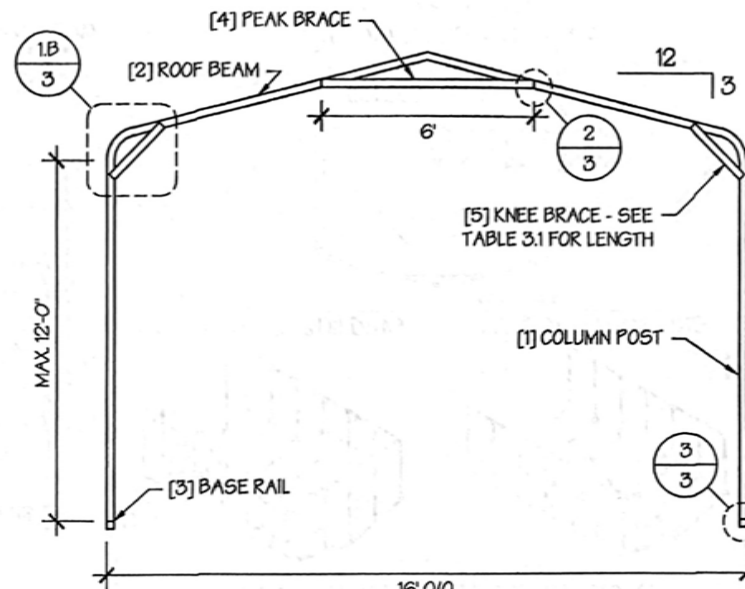


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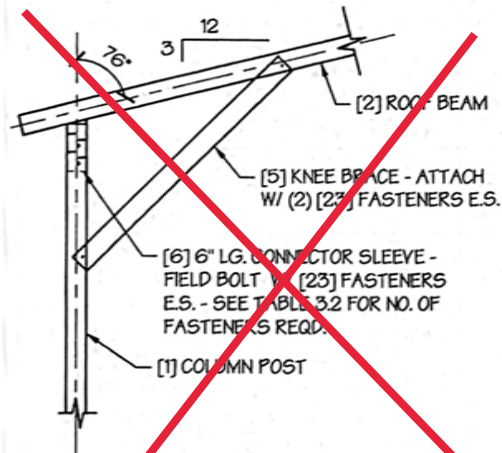
DATE SIGNED: **JAN 31 2021**



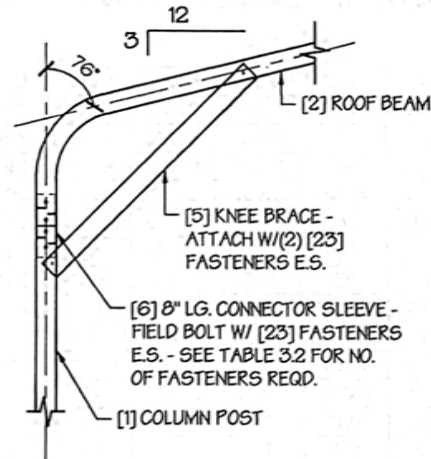
TYP. A-FRAME SECTION
SCALE: NTS



TYP. REGULAR FRAME SECTION
SCALE: NTS

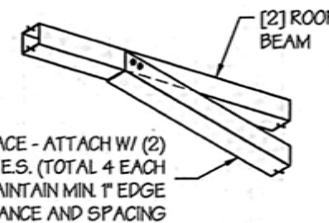


A. A-FRAME



B. REGULAR FRAME

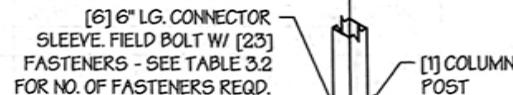
EAVE DETAIL 1
SCALE: NTS



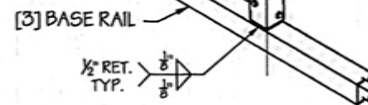
[4] PEAK BRACE - ATTACH W/ (2) [23] FASTENERS E.S. (TOTAL 4 EACH END). MAINTAIN MIN. 1" EDGE DISTANCE AND SPACING

PEAK BRACE CONNECTION DETAILS

SCALE: NTS



[6] 6" LG. CONNECTOR SLEEVE, FIELD BOLT W/ [23] FASTENERS - SEE TABLE 3.2 FOR NO. OF FASTENERS REQD.



BASE DETAIL

SCALE: NTS

TABLE 3.1: KNEE BRACE SCHEDULE

EAVE HEIGHT	KNEE BRACE LENGTH
<input type="checkbox"/> UP TO 8'	24"
<input type="checkbox"/> 9' TO 12'	36"

TABLE 3.2 FASTENER SCHEDULE

WIND SPEED (MPH)	NO. OF FASTENERS
<input type="checkbox"/> 105 TO 125	4
<input type="checkbox"/> 130 TO 155	6
<input type="checkbox"/> 160 TO 180	8

NOTE: COLUMN POST MAY BE ADJUSTED ±1" FOR LEVELING. MANUFACTURER IS NOT RESPONSIBLE FOR LEVELING OF GROUND AND/OR CONCRETE SURFACE PROVIDED BY OTHERS.

TABLE 4: FRAME SPACING CHART / SCHEDULE

GROUND SNOW / ROOF LIVE LOAD (PSF)	■ ENCLOSED BUILDINGS							■ OPEN BUILDINGS						
	WIND SPEED (MPH)							WIND SPEED (MPH)						
	□105	□115	□130	□140	□155	□165	□180	□105	□115	□130	□140	□155	□165	□180
□30 / 20	60	60	54/60	54	42	36	30	60	54/60	48/60	42/54	36/42	36	30
□40 / 27	48/60	48/60	42/60	42/54	42	36	30	48/60	48/60	42/60	42/54	36/42	36	30
□50 / 34	40/54	40/54	40/54	40/54	40/42	36	30	40/54	40/54	40/54	40/54	36/42	36	30
□60 / 41	36/48	36/48	36/48	36/48	36/42	36	30	36/48	36/48	36/48	36/48	36/42	36	30
□70 / 47	32/42	32/42	32/42	32/42	32/42	32/36	30	32/42	32/42	32/42	32/42	32/42	32/36	30
□80 / 54	30/42	30/42	30/42	30/42	30/42	30/36	30	30/36	30/36	30/36	30/36	30/36	30/36	30
□90 / 61	30/36	30/36	30/36	30/36	30/36	30/36	30	24	24	24	24	24	24	24
□30 / 20	60	60	54/60	54	48	42/48	42	60	54/60	48/60	42/54	36/48	36/48	36/42
□40 / 27	48/60	48/60	42/60	42/54	42/48	42/48	42	48/60	48/60	42/60	42/54	36/48	36/48	36/42
□50 / 34	40/54	40/54	40/54	40/54	40/48	40/48	40/42	40/54	40/54	40/54	40/54	36/48	36/48	36/42
□60 / 41	36/48	36/48	36/48	36/48	36/48	36/48	36/42	36/48	36/48	36/48	36/48	36/48	36/48	36/42
□70 / 47	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/42
□80 / 54	30/42	30/42	30/42	30/42	30/42	30/42	30/42	30/36	30/36	30/36	30/36	30/36	30/36	30/36
□90 / 61	30/36	30/36	30/36	30/36	30/36	30/36	30/36	24	24	24	24	24	24	24
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□40 / 27	48/60	48/60	42/60	42/54	42/48	42/48	42	48/60	48/60	42/60	42/54	36/48	36/48	36/42
□50 / 34	40/54	40/54	40/54	40/54	40/48	40/48	40/42	40/54	40/54	40/54	40/54	36/48	36/48	36/42
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□90 / 61	30/36	30/36	30/36	30/36	30/36	30/36	30/36	30	30	30	30	30	30	30

EAVE HEIGHT = 10'-0" TO 12'-0"

EAVE HEIGHT = 7'-0" TO 9'-0"

EAVE HEIGHT = UP TO 6'-0"

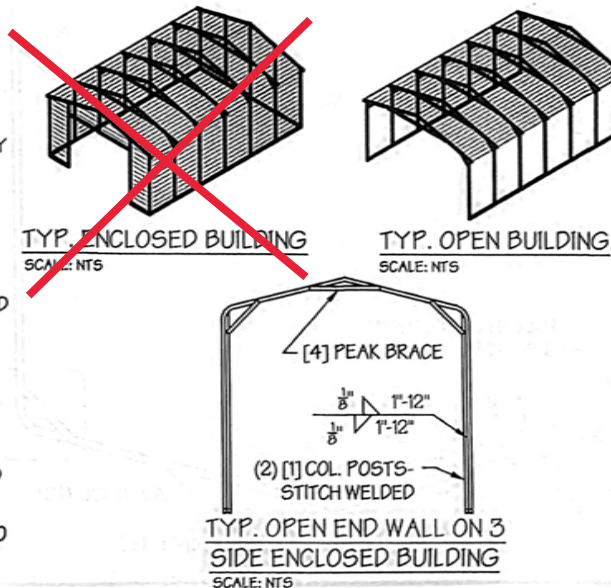
- NOTES:
- FRAME SPACINGS ARE IN UNITS OF INCHES (IN).
 - WHERE TWO VALUES ARE SHOWN, THE HIGHER VALUE CAN ONLY BE USED FOR VERTICAL SHEATHING.
 - SNOW LOADS AND ROOF LIVE LOADS ARE IN POUNDS PER SQUARE FOOT (PSF). WIND SPEED IS 3 SEC. GUST IN MILES PER HOUR (MPH).
 - FOR VALUES THAT LIE BETWEEN TWO CELLS, THE HIGHER (MORE STRINGENT) VALUE HAS TO BE USED. INTERPOLATION BETWEEN CELLS IS NOT ALLOWED.

ENCLOSURE CLASSIFICATION:

- ENCLOSED BUILDING** = ALL 4 WALLS FULLY ENCLOSED WITH DOORS/WINDOWS = USE ENCLOSED BUILDING SPACING CHART.
- OPEN BUILDING** = ALL 4 WALLS FULLY OPEN = USE OPEN BUILDING SPACING CHART.
- 3FT PARTIALLY ENCLOSED** = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ONLY 3FT ENCLOSED = USE OPEN BUILDING SPACING CHART.
- PARTIALLY ENCLOSED** = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ENCLOSED MORE THAN 3FT = START WITH OPEN BUILDING SPACING CHART AND THEN REDUCE SPACING BY 6".
- 3 SIDED ENCLOSED** = ALL WALLS ARE ENCLOSED EXCEPT FOR 1 END-WALL = START WITH ENCLOSED BUILDING SPACING + THE OPEN END FRAME MUST HAVE EITHER A GABLED END OR HAVE DOUBLED WELDED LEGS.
- FOR ALL SHEATHING ENCLOSURES NOT LISTED ABOVE, REFER TO SHEET 5 FOR SPACING AND DESIGN REQUIREMENTS.

GENERAL NOTES:

- THE MAX. BUILDING LENGTH FOR ENCLOSED BUILDINGS IS 50'-0". THIS CAN BE INCREASED BY ADDING A DOUBLE FRAME AT THE CENTER TO BREAK THE LENGTH OF THE BUILDING.
- BUILDINGS WITH PARTIALLY ENCLOSED END WALLS NEED TO HAVE SIDE WALL BRACING TO SUPPORT THE PARTIALLY ENCLOSED END WALL. (SEE FIGURE A ON SHEET 5).



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LOCATION: STATE OF CALIFORNIA
PROJECT NO.: 233-21-0026
SHEET TITLE:

SPACING SCHEDULES
& ENCLOSURE NOTES

SHEET NO.: 4 / 11

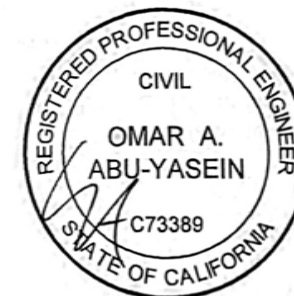
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