



Building Department

Sample Residential Storage Shed / Shop Drawings

General Project Submittal Information

- ❖ Three (3) sets of site plans
- ❖ Two (2) sets of erosion control plans (if required)
- ❖ Three (3) sets of structural plan
- ❖ Zoning worksheet and calculations (contact the zoning department at 503-786-7630 for more information)
- ❖ Required permits and worksheets:
 - ❖ Building Permit
 - ❖ Plumbing Permit (roof drains)
 - ❖ Electrical Permit (if applicable)
 - ❖ Erosion Control Permit (if applicable)
 - ❖ Zoning Work Sheet and calculations



Building Department

Storage Shed / Shop

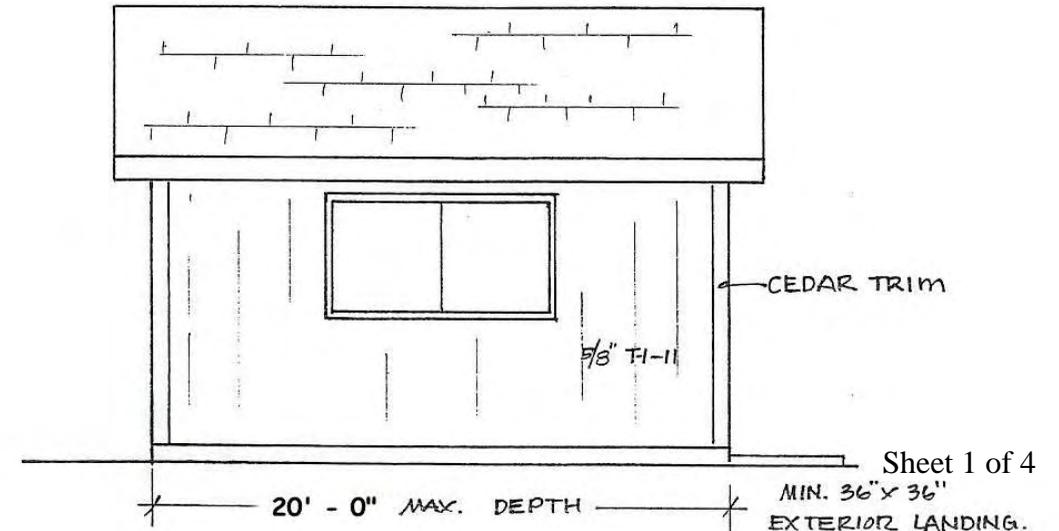
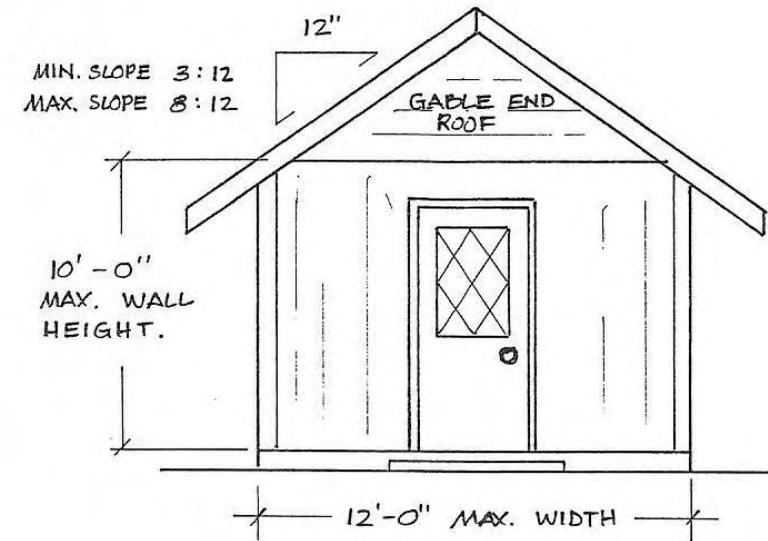
Maximum Size 12' Wide X 20' Depth

Design Criteria:

80 MPH Wind, Exposure "B"
40 PSF Roof Snow Load
1400 Ft Elevation Maximum
Seismic Zone 3

Construction Notes:

1. Verify all set backs to property lines with Planning Department 503-786-7630.
2. Shed / shop shall be a minimum of 6' - 0" set back from other buildings.
3. Maximum wall height is 10' - 0". Use full height studs.
4. Gable end roofs shall not have a slope greater than 8:12 or less than 3:12.
5. Shed roofs, slopes shall not be less than 1/4" : 12" and a maximum of 3:12 pitch.
6. Anchor bolts shall be a 1/2" x 10" with 7" embedment. A. bolts shall be a Maximum of 6' - 0" OC, with one bolt within 12" of the end of each plate. A minimum of two A. bolts per plate.
7. Doors and windows may be placed anywhere between the brace panels (BP) Or alternate brace panels (ABP). No doors or windows shall be installed in Or encroach into a brace panel.
8. Roof coverings on roofs with less than 2:12 slope shall be roll roofing. Roof Slopes of 2:12 and greater may use composition shingles or roll roofing. Metal roofing may be used. Install 15 lb. Roof felt under all roof coverings. Use two layers of 15 lb. Roofing felt when roofs slope is less than 4:12. Off set lapping layers by 18 inches.
9. Exterior landing shall not be more than 8" below the top of the exit door threshold.

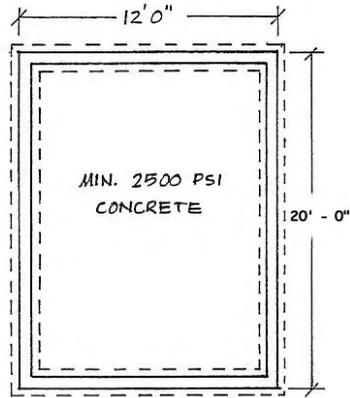


Sheet 1 of 4

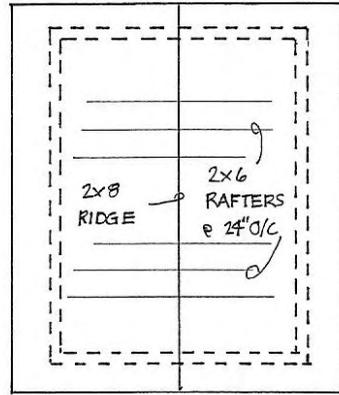
MIN. 36" x 36"
EXTERIOR LANDING.



Building Department - Storage Shed / Shop



FOUNDATION PLAN



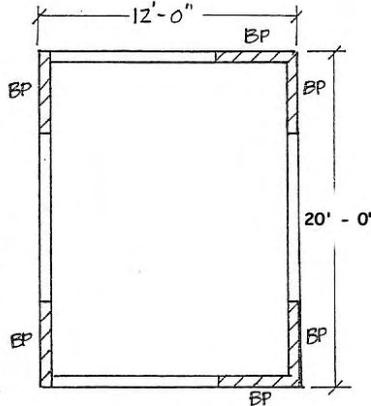
ROOF PLAN

DOOR & WINDOW LOCATIONS NOT ALLOWED W/IN (BP) OR (ABP)

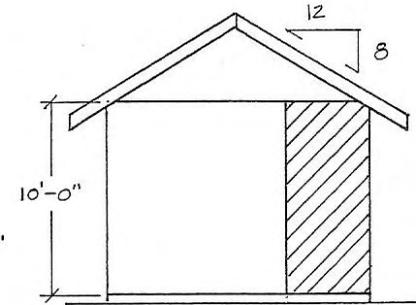
DOOR & WINDOW HEADERS

OPENING	SIZE
4'-0"	4x4
6'-0"	4x6
8'-0"	4x8

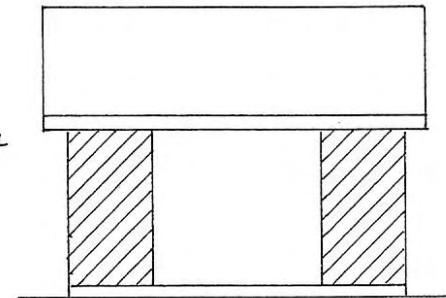
4x HEADERS. DFL#2



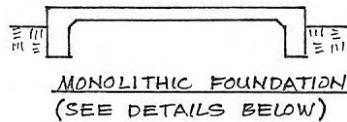
FLOOR PLAN



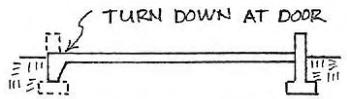
END ELEVATION



SIDE ELEVATION



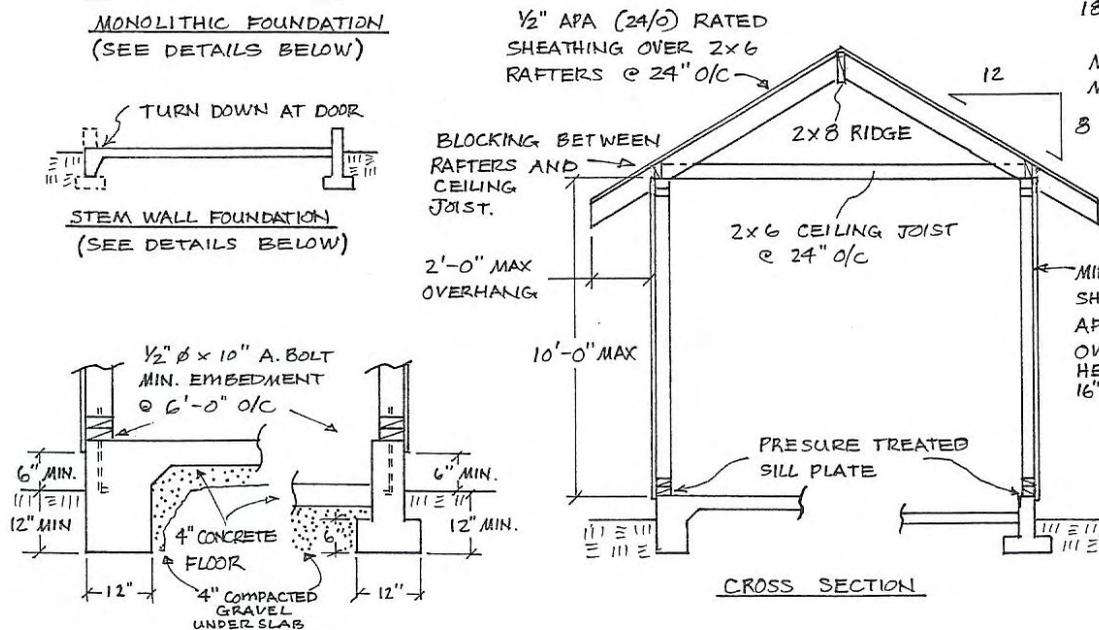
MONOLITHIC FOUNDATION (SEE DETAILS BELOW)



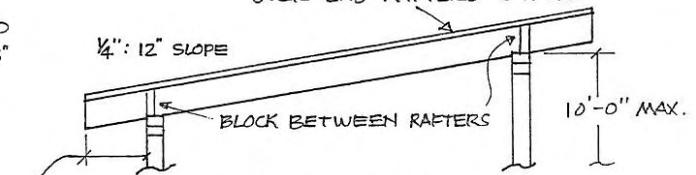
STEM WALL FOUNDATION (SEE DETAILS BELOW)

(BP) = BRACE PANEL. MIN. 4'-0" PANEL WIDTH, OR (ABP) = ALTERNATE BRACE PANEL MIN. 2'-8" PANEL WIDTH, w/ (2) 1800 # HOLDDOWNS.

MIN. SLOPE 3:12
MAX. SLOPE 8:12



CROSS SECTION

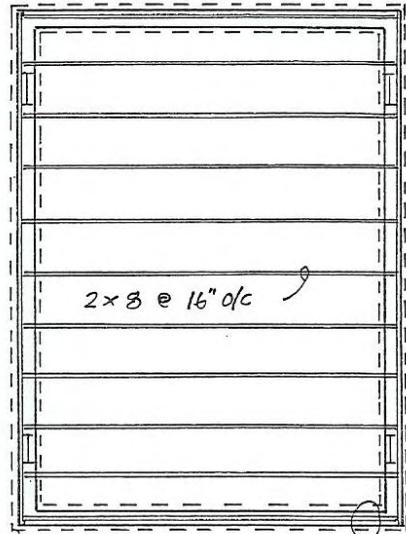


OPTIONAL SHED ROOF

PRESCRIPTIVE WALL BRACING (BP) BRACE PANEL AND (ABP) ALTERNATE BRACE PANEL CONSTRUCTION DETAILS. REFER TO SHEET 4



Building Department - Storage Shed / Shop

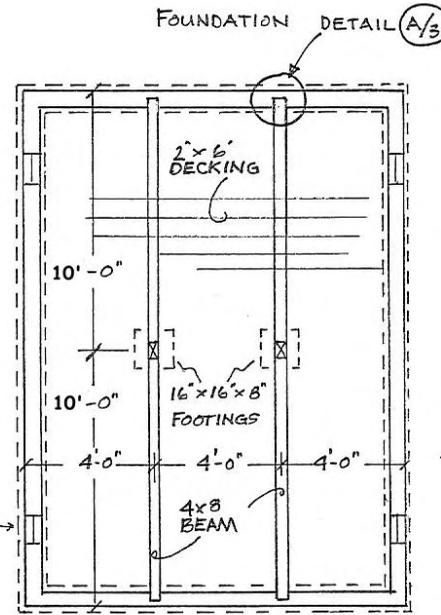


FLOOR JOIST DESIGN

ALTERNATE WOOD FLOOR PLAN

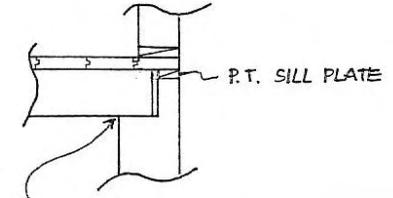
18" x 24" MIN. CRAWL ACCESS

DOUBLE RIM JOIST WHERE FLOOR JOIST ARE PARALLEL TO FOUNDATION

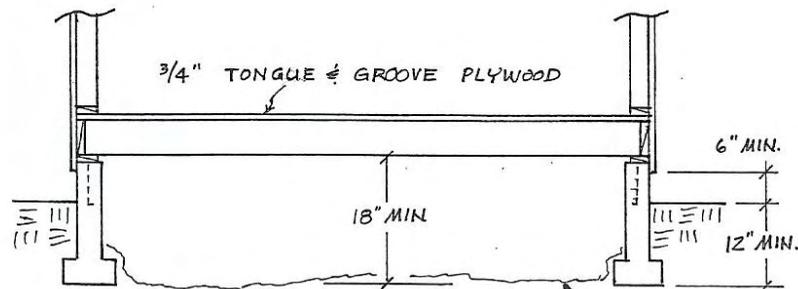
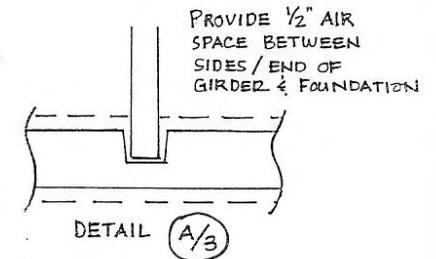


POST AND BEAM DESIGN

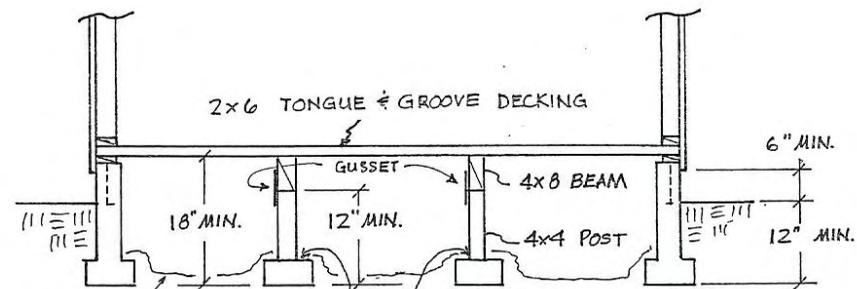
(4) FOUNDATION VENTS... MAX. 3 FT. FROM CORNER.



PLACE 90 lb. FELT OR ASPHALT SHINGLE UNDER BEAM / GIRDER



6 MIL. VAPOR BARRIER (BLACK VISQUEEN)



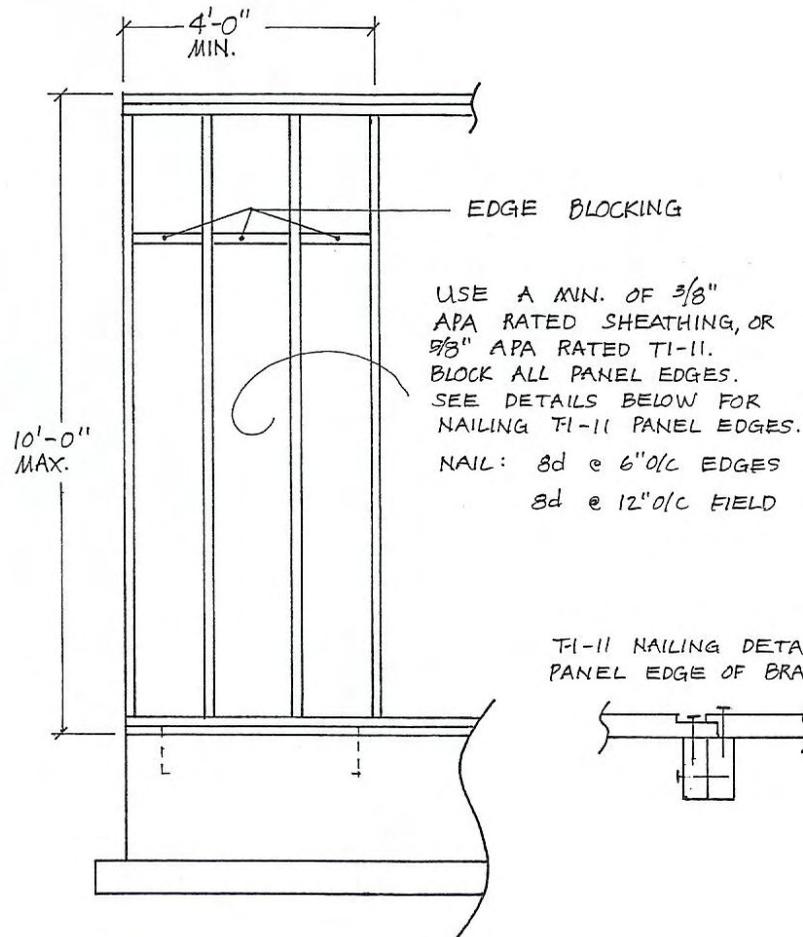
VAPOR BARRIER

PLACE 90 lb. FELT OR ASPHALT SHINGLE UNDER POST

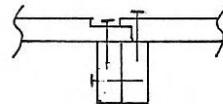


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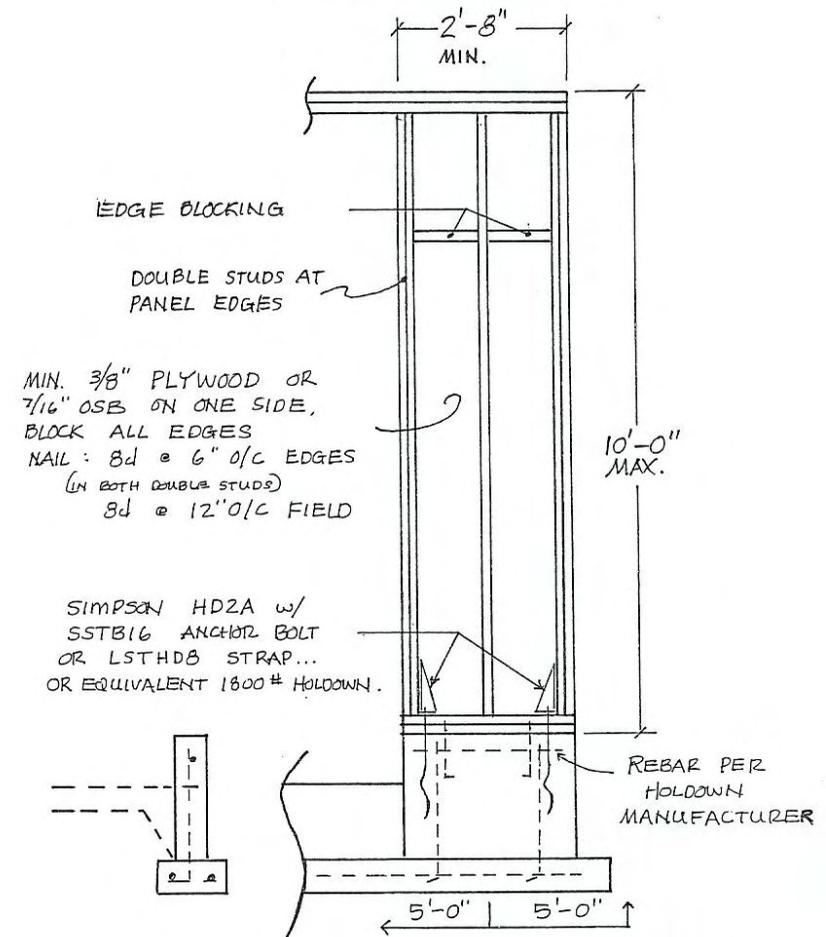
BRACE PANEL (BP)



T1-11 NAILING DETAIL @ PANEL EDGE OF BRACE PANEL



ALTERNATE BRACE PANEL (ABP)



(2) #4 x 10'-0" HORIZONTAL REBAR IN THE FOOTING w/ #4 VERTICAL REBAR @ 24" O/C EXTENDING FROM FOOTING THROUGH THE WALL.