

SHEAR ANALYSIS

- Design: (Based on IBC)
1. Ultimate wind speed(RC IV): 115 mph, Exposure B [IBC-ASCE7-10].
 2. Design ground snow load 25 PSF (SLAO).
 3. Seismic Design: Sds = 0.44g (IBC-ASCE7-10).
 4. Plan evaluated: "Squaw Creek Canyon Fire Station" (7/15/1998).

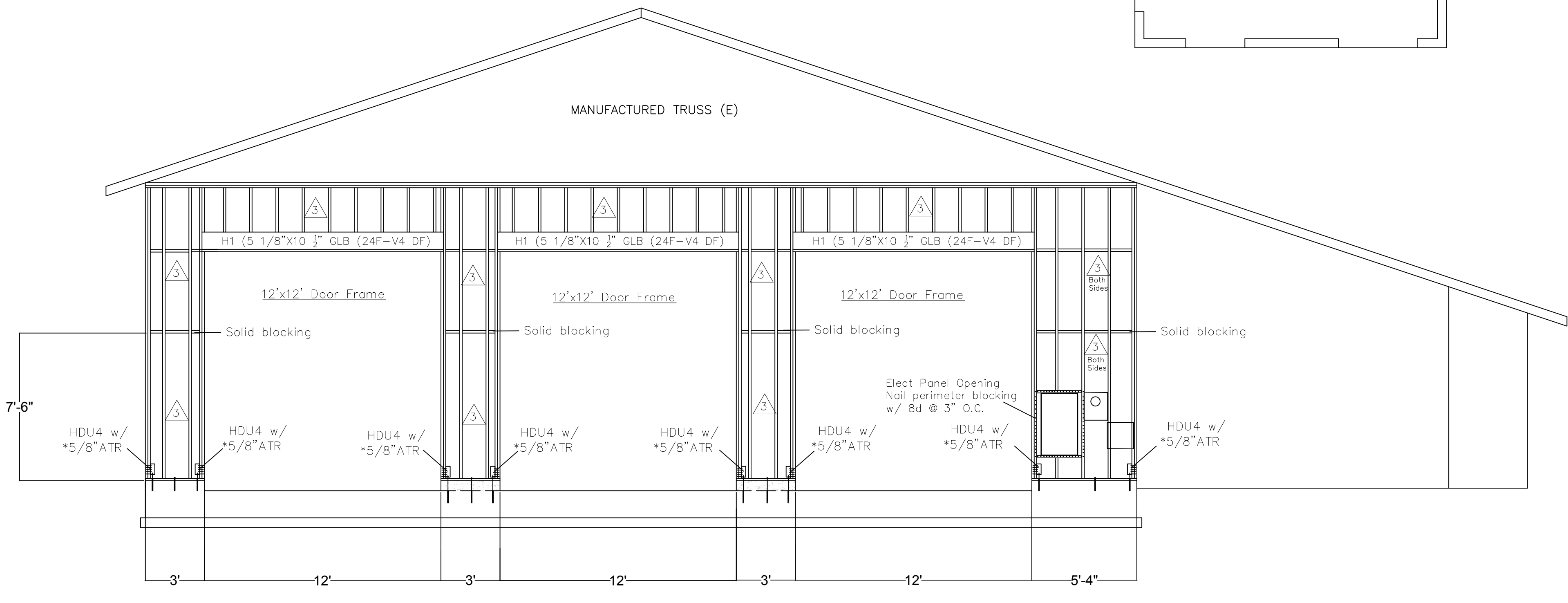
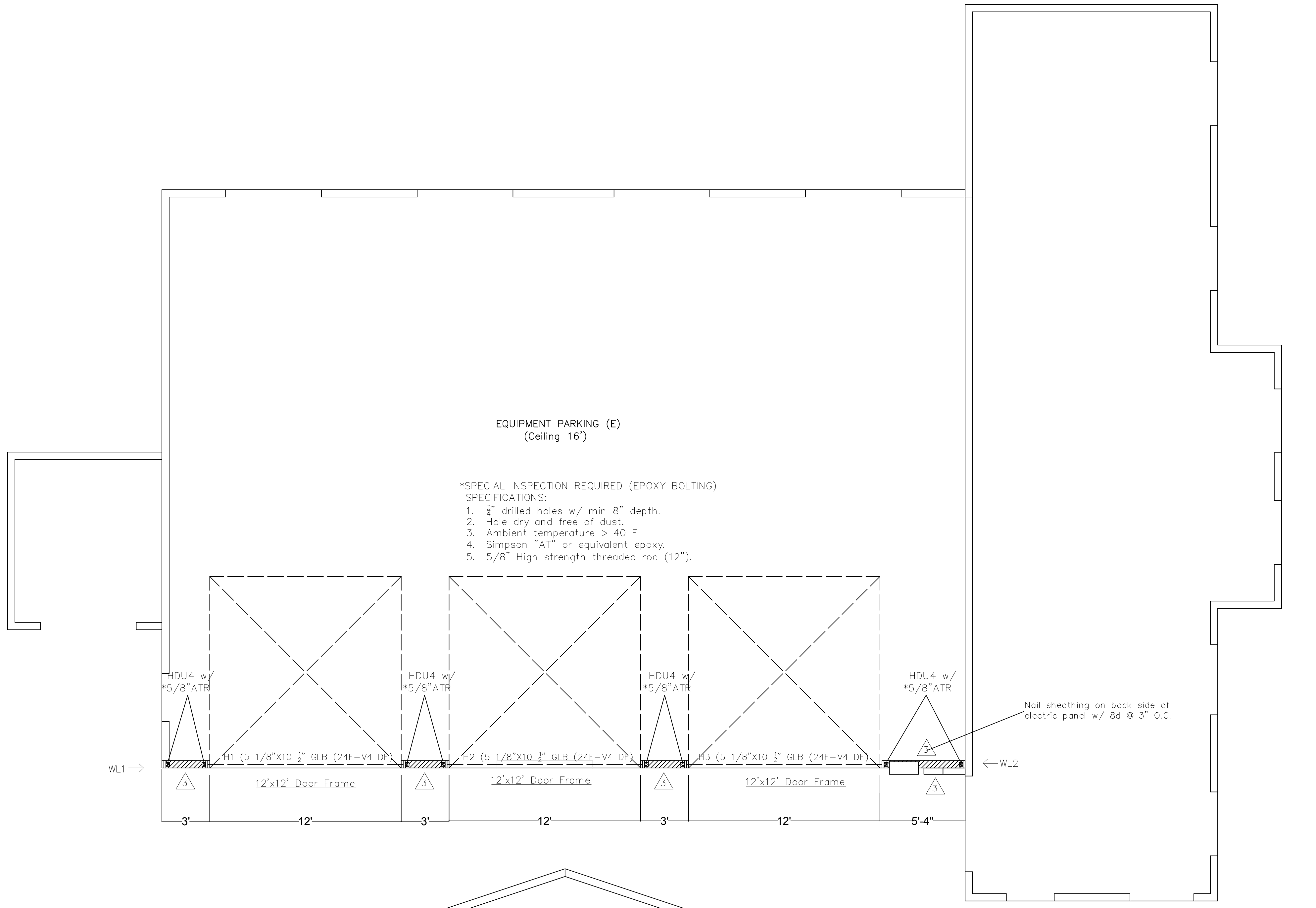
SPECIFICATIONS:

1. Min. Roof diaphragm: 7/16" OSB or 1/2" Plywood nailed w/ 8d galv @ 6" O.C. edge and 12" O.C. field.
2. Minimum floor diaphragm: 4" Concrete.
3. Unless specifically noted, all exterior walls shall be sheathed one side with 7/16" OSB or 1/2" struct. plywood w/ min. nail schedule of 8d galv nails @ 6" O.C. edge and 12" O.C. field.
4. Anchors, hold downs,
5. Blocking required on all exterior sheathing horizontal joints.
6. All Simpson Hardware installed per Guidelines.
7. Special inspection required for epoxy bolt applications.

SHEAR WALL SCHEDULE

Warning: It is the responsibility of the user of this document to ensure that all the technical information is properly implemented during construction of the structure. Failure to incorporate all of the requirements of this design may invalidate the lateral integrity of the structure and release responsibility from the engineer of record.

NO.	SHEAR WALL	SILL FASTENER	CONCRETE ANCHOR BOLTS
6	7/16" OSB or 1/2" CDX w/ 8d @ 6" O.C. edge/12" O.C. field.	2X Sole Plate to joist, deck, blocking w/ 16d @ 6" O.C. (top)/8d @ 6" O.C.(edge)	5/8"x 10" J Bolts @ 48" O.C. 1/2"x 10" J Bolts @ 48" O.C.
4	7/16" OSB or 1/2" CDX w/ 8d @ 4" O.C. edge/12" O.C. field.	2X Sole Plate to joist, deck, blocking w/ 16d @ 6" O.C. (top)/8d @ 4" O.C.(edge)	5/8"x 10" J Bolts @ 40" O.C. 1/2"x 10" J Bolts @ 24" O.C.
3	7/16" OSB or 1/2" CDX w/ 8d @ 3" O.C. edge/12" O.C. field.	2X Sole Plate to joist, deck, blocking w/ 16d @ 4" O.C. (top)/8d @ 3" O.C.(edge)	5/8"x 10" J Bolts @ 30" O.C. 1/2"x 10" J Bolts @ 20" O.C.
2	7/16" OSB or 1/2" CDX w/ 8d @ 2" O.C. edge/12" O.C. field.	4X Sole Plate to joist, deck, blocking w/ 16d @ 4" O.C. (top)/8d @ 2" O.C.(edge)	5/8"x 10" J Bolts @ 24" O.C. 1/2"x 10" J Bolts @ 16" O.C.
1	1/2" Gyp w/5d x 1-5/8" cooler or #6/1.25" screw @ 7"O.C. edge and 12" O.C. field	2X Sole Plate to joist, deck, blocking w/ 16d @ 6" O.C. (top) / Ceiling blocking	1/2" x 10" J Bolts @ 72" O.C.



BANTON ENGINEERING & DESIGN, INC
Steven G. Banton, LPE
17007 Golden State Blvd. Sisters, Oregon 97259
Phone: (541) 719-1281. steve@bantonenr.com

Station 703 Remodel
17233 Buffalo Drive
Sisters, Oregon

REMODEL PLAN

FILE: SFDSTATION703A1
SCALE: 1/4"=1'-0"
DATE: 1/6/20

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