

DESIGN CRITERIA

GOVERNING CODES AND MANUALS :

- CALIFORNIA BUILDING CODE (2013)
- ASCE 7-10 (VERTICAL LOADS ONLY)

DESIGN LOADS

VERTICAL LOADINGS : ONLY

LOAD TYPE	VALUE	UNIT
ROOF:		
DL	10	psf
LL	20	psf
SNOW	20	psf
FLOOR:		
DL	10	psf
LL	40	psf
WALL:		
DL	12	psf (EXT.)
LL	7	psf (INT.)
SOIL ALLOWABLE PRESSURE	800-1000	psf (ASSUMED)

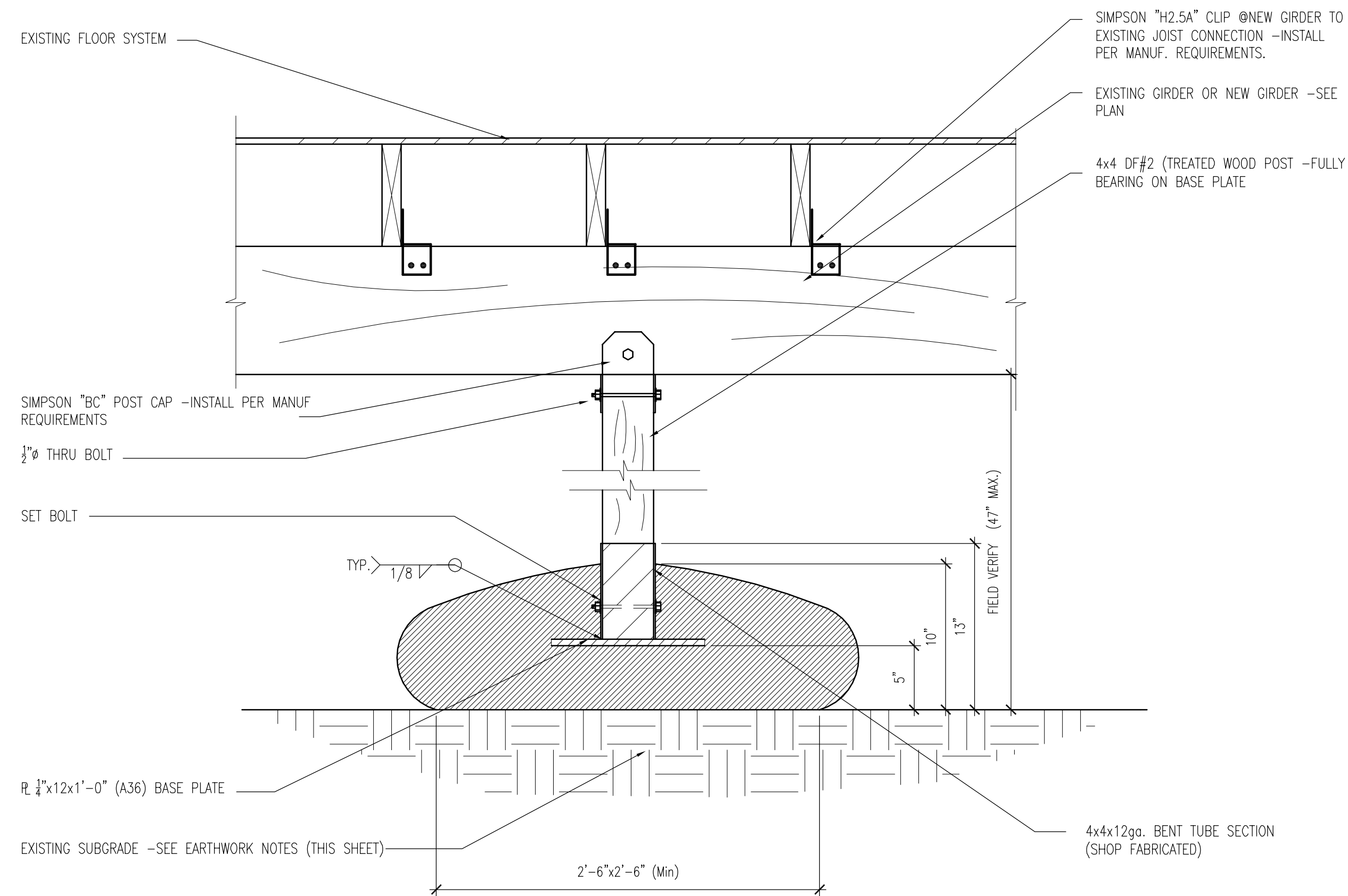
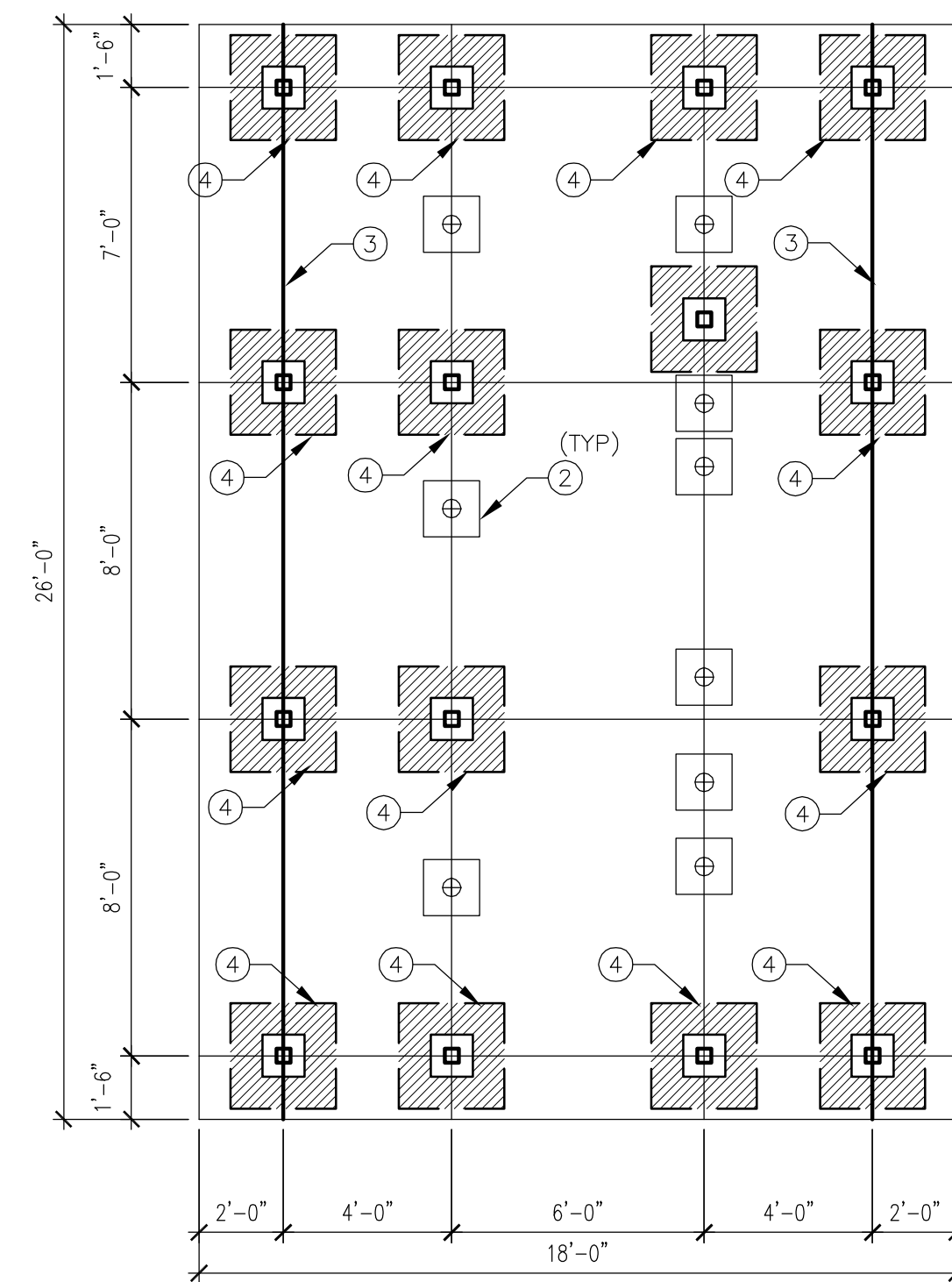
MATERIALS

SURE SAFE PIER SYSTEM

- ASTM A390 (GALVANIZED STEEL SHAPES) PLATES
- CONCRETE $f'_c = 2500$ psi (28 -DAY)
- BOLTS - ASTM A307
- PLATES/ANGLES - A36
- WELDING - AWS E70XX

EARTHWORK

- ALL SURE SAFE CONCRETE BAGS MUST BE PLACED ON UNDISTURBED SOIL (ORGANIC MATTER AND SOD REMOVED), MINIMUM BEARING PRESSURE OF 800-1000 PSF. ANY EXISTING GROUND VAPOR BARRIER MUST BE CUT AND REMOVED FROM BELOW EACH NEW SUPPORT PIER.
- THE ENGINEER CANNOT BE RESPONSIBLE FOR THE ULTIMATE PERFORMANCE OF THE SURE SAFE SUPPORT SYSTEM ON A SITE HAVING EXPANSIVE CLAY, FILL OR OTHER ADVERSE CONDITIONS. IF THE BUILDING INSPECTOR SUSPECTS FULLY EXPANSIVE SOILS OR ANY GEOLOGIC INSTABILITY BASED UPON OBSERVATION OF THE FOUNDATION CONSTRUCTION, A GEOTECHNICAL INVESTIGATION MAY BE REQUIRED.

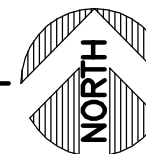


1 SURE SAFE PIER SYSTEM

NTS

A SURE SAFE PIER PLACEMENT PLAN

1/4"=1'-0"



KEYED NOTES :

- EXISTING GIRDER BEAMS AND PIERS - (DIMENSIONS AND LAYOUT WAS FIELD VERIFIED)
- EXISTING PIERS
- NEW 4x6 DF#2 GIRDER BEAM
- NEW INTERIOR SURE SAFE PIERS, SEE DETAIL 1/S1.0

LEGEND :

- EXISTING POST AND PIER
- NEW SURE SAFE PIER SYSTEM
- NEW WOOD GIRDER
- EXISTING GIRDER

SURE SAFE R.E.F.S.
SITE SPECIFIC ENGINEERING, LLC
1440 GRANDE AVE.
SUITE B
SAN MARCOS, CA 92078

PROJECT
EXISTING STRUCTURAL FLOOR STRENGTHENING

MELINDA BROWN RESIDENCE
939 16TH ST
HERMOSA BEACH, CA 90254

SHEET TITLE

SURE SAFE PIER PLACEMENT /NOTES DETAILS

SHEET NUMBER

S1.0

SCALE
VARIES

JJK PROJECT NO.

DRAWING FILE NO.

DATE
1/18/2016

PROJECT MANAGER

DRAWN BY

