

SUN HEALTHCARE SYSTEMS, INC.
CAMPUS: PHASE ONE
ANACORTES, WASHINGTON

TRUSS TOP CHORD PER ELEVATION
BEAM PER PLAN
CONN. PER 10/55.2

5157

WORKPOINT @ INTERSECTION OF BEAM & COL
10"
BEAMS PER PLAN (CONNECT TOGETHER PER 12/55.2)
CONN. PER 20/55.2
SKEWED COL. PER PLAN
SKEWED METAL STUD WALL PER PLAN & 30/51.1

5149

2

BEAM SIZES PER PLAN
E. $\frac{3}{8}$ " x 4" x 10"
(2) $\frac{3}{8}$ " x 2" WELDED STUDS (NO HEADS) @ 7 1/2" OC
PIPE COLUMN PER PLAN

4204

3

PIPE COLUMN PER PLAN
NO SHEAR TAB THIS LOCATION AT SIM.
PER 6/55.2
PLATE THICKNESS AND BOLTS PER 6/55.2
1/2" TYP.
1/2" = 1'-0"

4205

4

FACE OF SUPPORTING MEMBER
3" MAX
SIZE PER SCHEDULE
BEAM SIZE PER PLAN
@ 3" OC
SHEAR PLATE SIZE AND BOLTS PER SCHEDULE. PROVIDE STD. ROUND HOLES IN PLATE.
* 1/2" FOR 3/8" BOLTS
1/4" FOR 1/2" BOLTS

6

BEAM SIZE	NO. OF BOLTS	BOLT SIZE	PLATE THICKNESS	WELD SIZE	CAPACITY
W8, W10	2	3/8"	1/4"	3/8"	8K
W12, MC12, C12	3	3/8"	1/4"	3/8"	16K
W14	3	3/8"	1/4"	3/8"	16K
W16	4	3/8"	1/4"	3/8"	26K
W18	5	3/8"	1/4"	3/8"	36K
W21	4	1/2"	3/8"	3/8"	46K

① BOLT TYPE = A325N
② E. MATERIAL = A36

Typical Shear Plate Connection Schedule

5147

7

FOR CALL-OUTS IN COMMON SEE DETAIL 20/55.2 & 28/55.2

SKEWED PIPE COL. PER PLAN
BEAM PER PLAN

5146

8

12"
INTERSECTING BEAMS PER PLAN
CONNECTION PER 22/55.2
SKEWED METAL STUD WALL PER PLAN & 30/51.1
SKEWED PIPE COL. PER PLAN @ C. OF STUD WALL

4214

9

PER 6/55.2
PLATE THICKNESS AND BOLTS PER 6/55.2
BEAM SIZES PER PLAN

4211

10

MEMBER SIZES PER PLAN
E. $\frac{3}{8}$ " x 3 1/2" W (2)
3/4" BOLTS @ 3" OC

5103

11

WORK POINT PER PLAN
BACKING BAR 1" x 3/8" BEVEL
PLATE THICKNESS & BOLTING PER 6/55.2
BEAMS PER PLAN
COPE BEAM FLANGES AS REQUIRED
t = THICKNESS OF CONNECTION PLATE

5101

12

BEAM BOTH SIDES WHERE INDICATED
PER 6/55.2
BEAM SIZE PER PLAN
PLATE THICKNESS AND BOLTS PER 6/55.2
BEAM SIZE PER PLAN

5148

13

FOR CALL-OUTS IN COMMON SEE DETAIL 18/55.2

BEAM PER PLAN
C.P. TOP & BOT. TYP.
STIFF. E. $\frac{3}{8}$ " x 3" EA. SIDE
COLUMN PER PLAN
E. THICKNESS & BOLTING PER SCHED. OF 6/55.2

5118

14

FOR CALL-OUTS IN COMMON SEE DETAIL 13/55.2

BEAM PER PLAN
W8x35 STUD BEAM

BEAM SIZE	STIFF. E. THICKNESS	SHEAR E. TO COL. WEB WELD	SHEAR E. TO STIFF. WELD	STIFF. WELD TO COL. FLANGE	CAPACITY
W8, W10	1/4"	3/8"	3/8"	3/8"	8k
W12, MC12, C12	1/4"	3/8"	3/8"	3/8"	16k
W14	1/4"	3/8"	3/8"	3/8"	16k
W16	1/4"	3/8"	3/8"	3/8"	26k
W18	3/8"	3/8"	3/8"	3/8"	36k
W21	1/2"	3/8"	3/8"	3/8"	46k

5104

17

STIFF. E. TYP. SEE SCHEDULE FOR THICKNESS
SHEAR E. TO COL. WEB WELD
PLATES, BOLTS AND WELDS PER 6/55.2 UNLESS NOTED HERE
STIFF. E. TO COLUMN FLANGE WELD
BEAM @ COLUMN @ U.O.N.
SHEAR E. TO STIFF. E. WELD TOP & BOTTOM

PLAN

5102

18

BEAM EACH SIDE WHERE INDICATED
PER 6/55.2
CAP E. PER 30/55.2 @ ROOF @ COL. C21 - C18
SEE PLAN FOR BEAM SIZES AND ELEVATION
PLATE THICKNESS AND BOLTING PER SCHEDULE OF 6/55.2
COLUMN SIZE PER PLAN

5301

19

NOTE: NO WELDING TO SUPPORTING BEAM FLANGE
E. $\frac{1}{2}$ " x 4 1/2"
SHEAR CONN. PER 6/55.2
SUPPORTING BEAM PER PLAN
E. $\frac{1}{2}$ " x 6"
SECTION
BEAM PER PLAN
USE 1" RETURN
3/8" / 5"
4) $\frac{3}{8}$ " BOLTS @ BEAM GAGE

5108

20

WHERE BEAM STOPS WHERE BEAM CONTINUOUS

5107

21

STIFF. E. PER 20/55.2 FOR W21'S & DEEPER
PER PLAN
WELD SIZE PER 6/55.2
4) $\frac{3}{8}$ " BOLTS @ BEAM GAGE
E. THICKNESS & BOLTING PER DETAIL 6/55.2 BASED UPON SMALLER BEAM SIZE
BEARING E. 1/2"
PIPE COLUMN PER PLAN

5109

22

CAP E. $\frac{3}{8}$ " WHERE PIPE STOPS
BEAM BOTH SIDES WHERE OCCURS
3" MAX
PER 6/55.2
MEMBER SIZES PER PLAN
PLATE THICKNESS & BOLTING PER SCHEDULE OF 6/55.2

5105

23

WELD SIZE PER 6/55.2
per plan
3 1/2"
BEAM PER PLAN
2) $\frac{3}{8}$ " BOLTS @ BEAM GAGE
BOS. 3/8"
PLATE THICKNESS & BOLTING PER 6/55.2
BEARING PLATE 1/2"
WF COLUMN PER PLAN

5106

24

BEAM CONTINUES WHERE INDICATED
SECTION
E. BEAM & COL.
2) $\frac{3}{8}$ " BOLTS @ BEAM GAGE
BOS. 3/8"
BEARINGS E. 1/2"
COLUMN PER PLAN

5470

25

FOR CALL-OUTS IN COMMON SEE DETAIL 20/55.2

BEARING E. $\frac{1}{2}$ " x 6" x 6"
TRUSS BOTTOM CHORD
4) $\frac{3}{8}$ " BOLTS @ BOTTOM CHORD GAGE

5122

26

BEAMS PER PLAN
E. $\frac{3}{8}$ " x 3 1/2" W (2) 3/4" BOLTS @ 3" OC

43/32 x 3/32 x 1/4" EA. SIDE
BEAMS PER PLAN
3/8" TYP.
4) $\frac{3}{8}$ " BOLTS @ BEAM GAGE
CONNECTION PER 12/55.2

5121

27

E. BEAM & COL.
BEARING E. 3/8"
4) $\frac{3}{8}$ " BOLTS @ BEAM GAGE

5117

28

E. BEAM & COL.
E. & BOLTS PER 6/55.2
COL. PER PLAN
CONNECT BEAM TO COLUMN PER 18/55.2 (BEAM OFF SIDE @ GRID 50)
SIZE PER 6/55.2

PLAN VIEW

5119

29

ELEVATION

5160

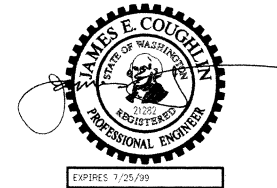
30

PHASE 2 COL. N.L.C.
1/2" CAP E.
BOS. 3/8"
FOR CALL-OUTS IN COMMON SEE DETAIL 17/55.2

5/18/99 CONSTRU. SET

JEC
PROJECT MANAGER
BTL
PROJECT MANAGER
CSD
PROJECT ENGINEER
HRB
DRAWER
JEC
CHECKER

COUGHLIN PORTER LUNDEEN
A CONSULTING, STRUCTURAL AND CIVIL ENGINEERING CORPORATION
217 PINE STREET SUITE 300
SEATTLE, WA 98101 P. 206-343-9800 F. 206-343-9991



TYPICAL STEEL
FRAMING DETAILS

98-0027-04
MAY 18, 1999

CONSTRUCTION SET

Project: SUN HEALTHCARE ANACORTES File: 98-0027-04 Date: 5/18/99 4:51 pm User: JEC Scale: 1/16 Computer: mace Model: S5.2-18/99