

2017-06
BDC2
①

Structural Response to 2nd Review
Home2 Suites by Hilton
550 Gateway Blvd, South San Francisco, CA

City Permit No.: B17-1420
WC3 Job No.: 217-411-225

STRUCTURAL COMMENTS

Item 22

Attached is the design selection output for each support line in the X and Y direction from the ADAPT Builder Software. The output shows required number of rebars and selected quantity of rebars by the program. This information is then analyzed by the programs Graphic User Interface (GUI) which compares the minimum required rebar quantity and the required length and that with other criteria setting such as minimum and maximum spacing (see attached picture of "Rebar Round UP/Spacing") and adds more rebar, if needed. The GUI output is used to prepare the plans. Therefore, the quantity shown on the ADAPT Builder output (attached) may not match the GUI output (the actual number of reinforcing on the plans), however, in all cases the plans will show more reinforcing than that required.

Item #29 - Table N5.4-1, N5.4-2 and N5.4-3 from AISC 360-10 have been added to Sheet SN1

FOUNDATION COMMENTS

Item F14 – Detail 8/SD1.2 reference to pile cap reinforcing corrected to reference detail 2/SD1.2

CRITERIA: Rebar Round Up / Spacing.

2017-06
BDCL
(2)

Criteria

Two-way slab criteria
One-way slab criteria
Beam criteria

Design Code

Reinforcement Bar Lengths

Rebar Minimum Cover

Preferred Reinforcement Size and Material

Shear Design Options

Rebar Round Up/Spacing

Analysis/Design Options

Bar length and spacing

Bar length round up: 6.00 in

Bar spacing round down: 1.00 in

Bar spacing

☐ Disregard maximum spacing requirement

Maximum bar spacing: 18.00 in

Maximum bar spacing/slab thickness: 1.50

Stirrup spacing

Stirrup spacing round down: 0.50 in

Round up to standard bar lengths

#	Top bar (ft)	#	Bottom bar (ft)
1	6.00	1	6.00
2	8.00	2	8.00
3	10.00	3	10.00
4	12.00	4	12.00
5	14.00	5	14.00
6		6	

LIBRARY1_US

Import rebar length library

OK

2017-06
B002
4

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:27 File: Support Line 5

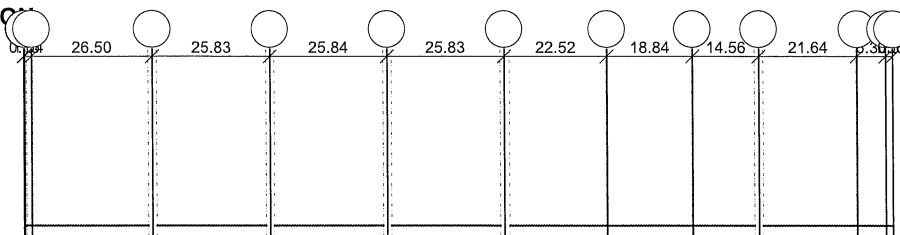
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 5

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

5 8#6X10'6" 6 9#6X10'6" 7 9#6X10'6" 8 8#6X11'0"

3.2 ADAPT selected

1 8#6X43'0" 2 9#6X88'0" 3 13#6X25'6" 4 2#6X8'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

14 4#5X9'0" 15 3#5X9'0" 16 6#5X12'0" 17 5#5X13'0" 18 20#5X18'6"

5.2 ADAPT selected

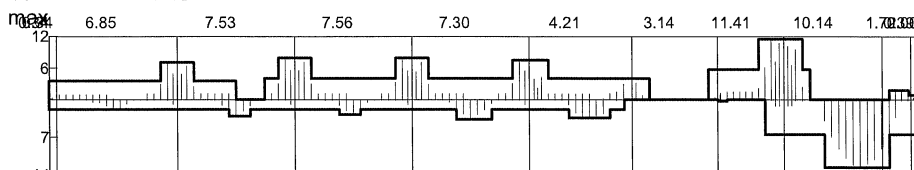
11 6#5X129'0" 12 1# 13 21#5X36'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

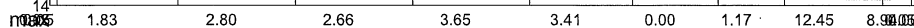
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
BDE2
⑤

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:28 File: Support Line 11

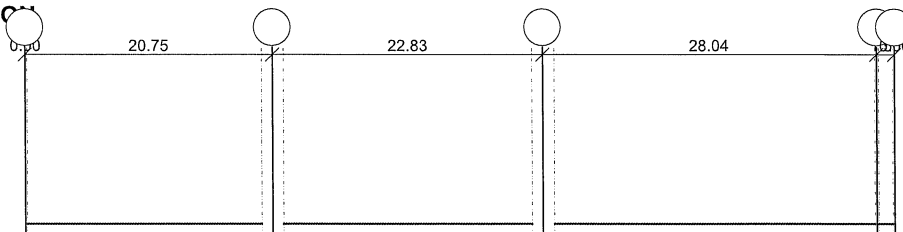
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 11

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 16#6X13'0"

3.2 ADAPT selected

① 16#6X73'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 18#5X19'6"

5.2 ADAPT selected

③ 18#5X73'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

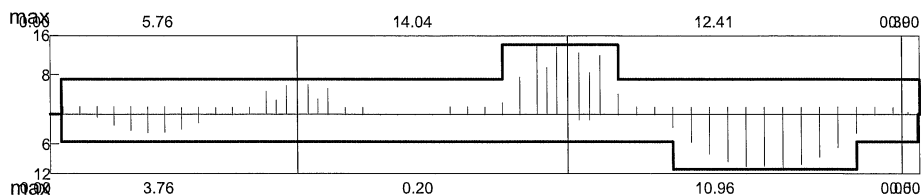
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-12
BDCZ
6

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:28 File: Support Line 12

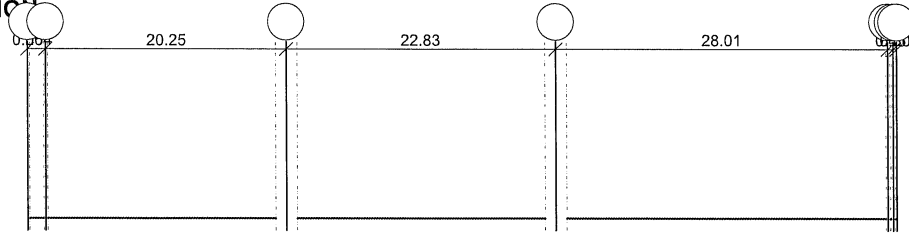
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 12

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

2 5#6X11'6"

3 10#6X11'6"

3.2 ADAPT selected

1 11#6X7'3'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

5 7#5X12'6"

6 7#5X16'6"

5.2 ADAPT selected

4 8#5X7'3'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

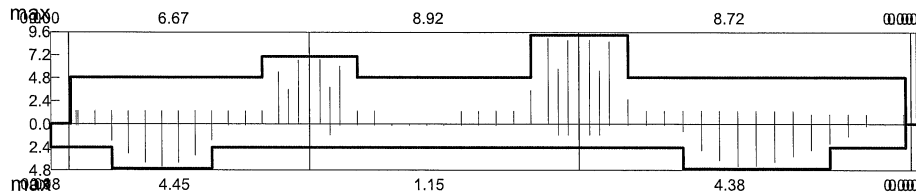
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BNC 2
(7)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:29 File: Support Line 14

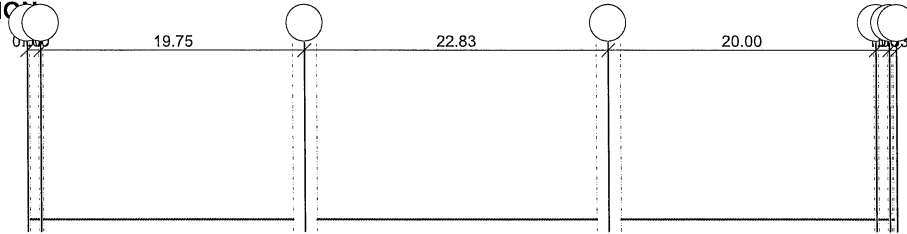
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 14

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 7#6X10'6"

③ 1#6X6'0"

3.2 ADAPT selected

① 8#6X52'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑤ 6#5X13'0"

5.2 ADAPT selected

④ 6#5X65'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

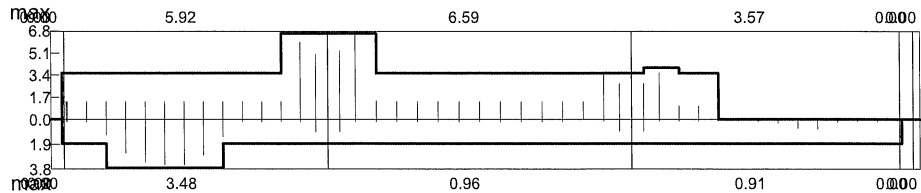
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



10 - DESIGNER'S NOTES

2017-06
BDCZ
(8)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:32 File: Support Line 1816

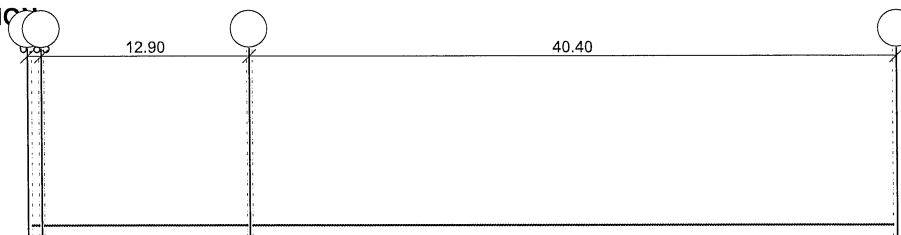
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1816

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 1#6X54'6"

3.2 ADAPT selected

① 2#6X54'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 2#5X9'0"

5.2 ADAPT selected

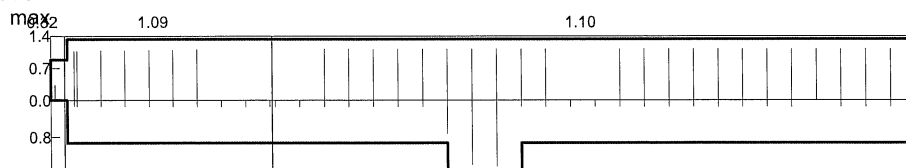
③ 3#5X54'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars

max 1.6 0.15 1.44

10 - DESIGNER'S NOTES

2017-06
BDL2
(5)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:32 File: Support Line 1817

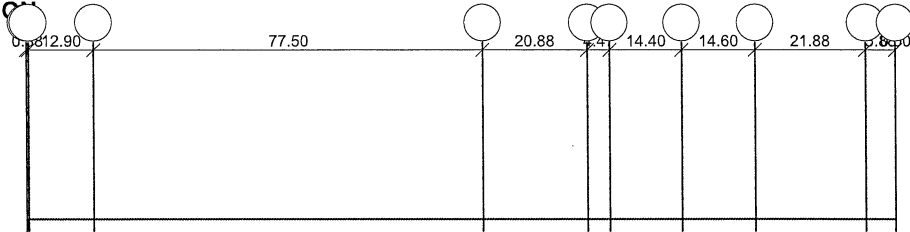
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1817

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 2#6X10'0"

③ 3#6X10'0"

④ 5#6X12'6"

⑤ 4#6X8'0"

3.2 ADAPT selected

① 6#6X173'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑦ 13#5X16'6"

5.2 ADAPT selected

⑥ 14#5X173'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

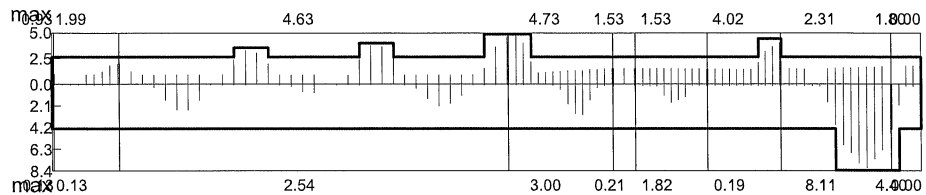
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



10 - DESIGNER'S NOTES

2017-06
BDC2
10

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:32 File: Support Line 1818

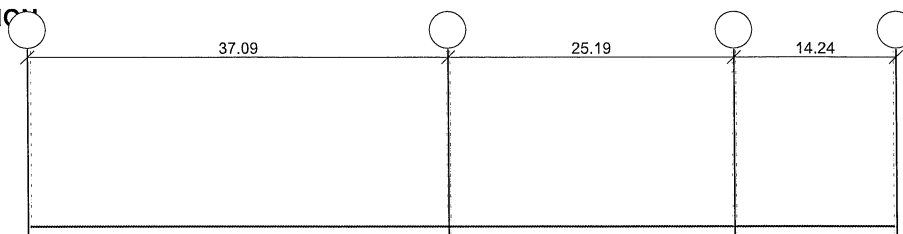
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1818

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected

① 4#6X32'6"

② 4#6X41'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 6#5X10'6"

5.2 ADAPT selected

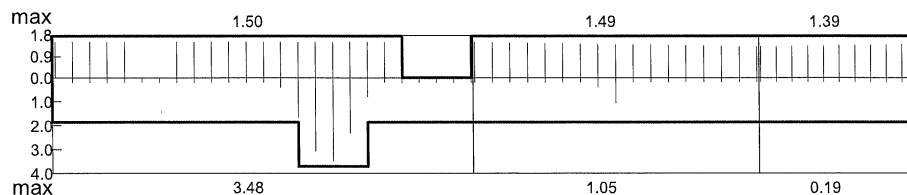
③ 6#5X76'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
B022
10

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:33 File: Support Line 1819

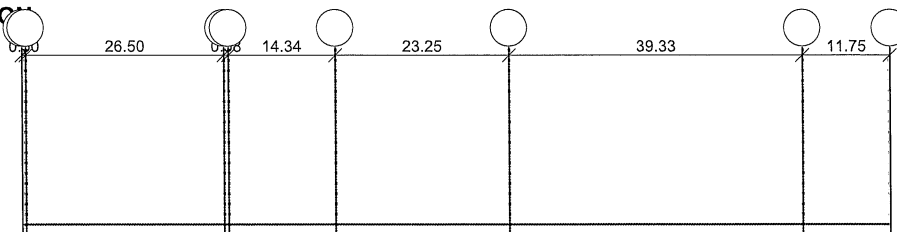
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1819

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected



5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

7) 5#5X10'0"

6) 6#5X11'6"

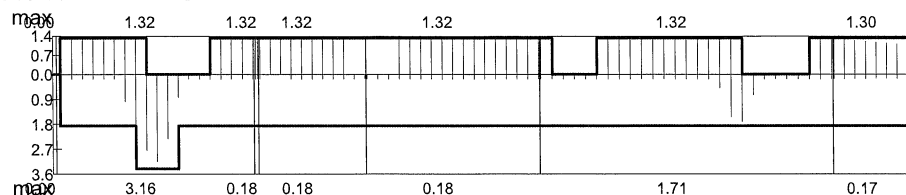
Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required
provided



6.2 Bottom Bars

3.16 0.18 0.18 0.18 1.71 0.17

10 - DESIGNER'S NOTES

2017-06
BOL2
(2)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:33 File: Support Line 1821

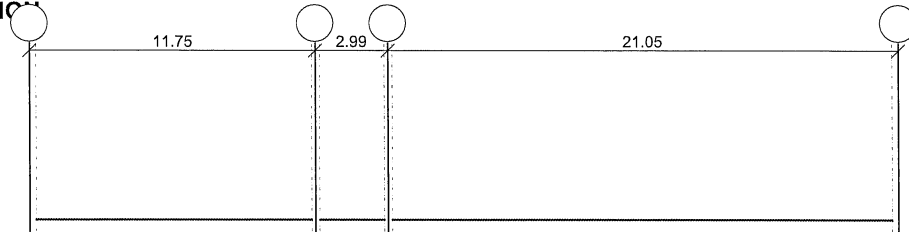
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1821

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 4#6X3'6"

3.2 ADAPT selected

① 5#6X36'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 2#5X4'0"

5.2 ADAPT selected

③ 2#5X34'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

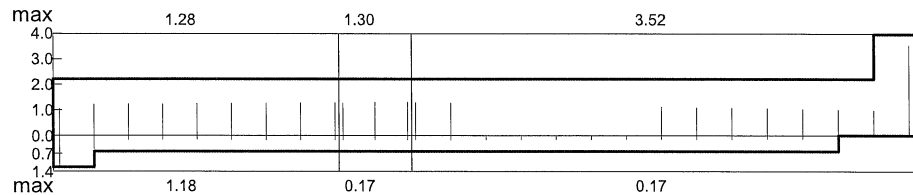
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
RDL 2
13

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:33 File: Support Line 1822

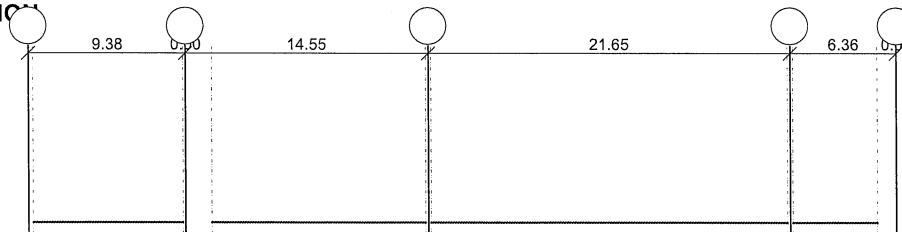
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1822

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

2#6X52'0"

3.2 ADAPT selected

1#6X52'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

4#18X19'0"

5.2 ADAPT selected

3#18X52'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

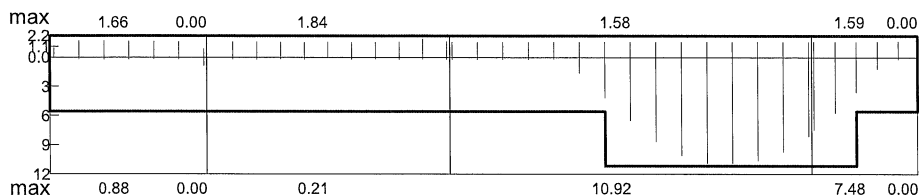
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

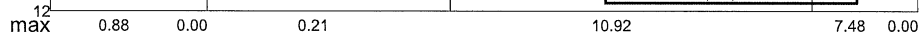
[in²]

required

provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
BOLZ
(14)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:33 File: Support Line 1823

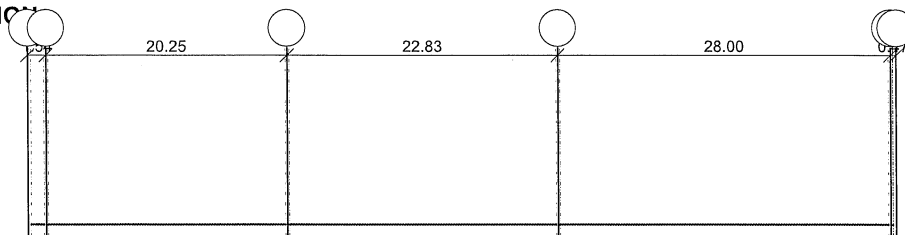
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1823

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 4#6X10'6"

3.2 ADAPT selected

① 5#6X73'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 13#5X17'6"

5.2 ADAPT selected

③ 14#5X73'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

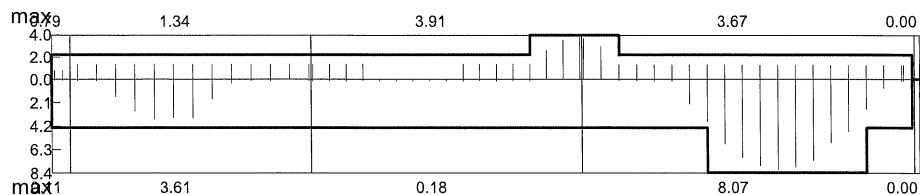
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BDC
US

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:33 File: Support Line 1824

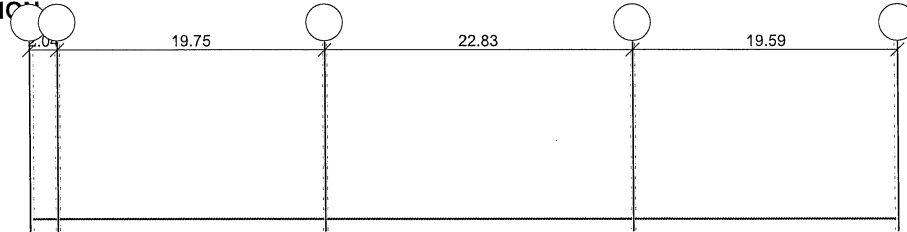
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1824

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

③ 2#6X5'10"

3.2 ADAPT selected

① 2#6X5'6"

② 4#6X7'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑤ 6#5X12'6"

5.2 ADAPT selected

④ 6#5X6'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

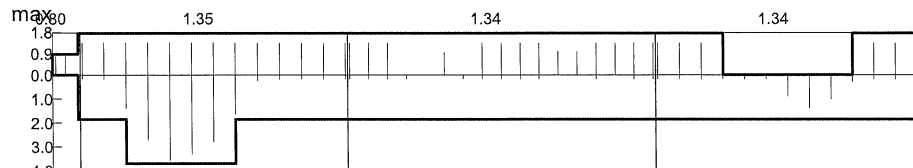
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

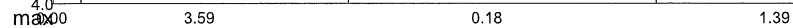
[in²]

required

provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
Bd2
(16)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:34 File: Support Line 1828

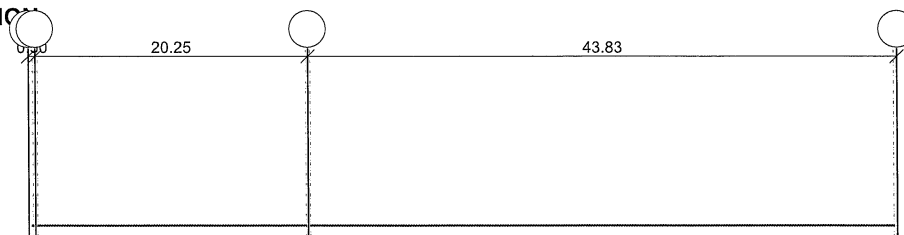
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1828

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

④ 2#6X20'6"

⑤ 2#6X13'0"

3.2 ADAPT selected

① 4#6X19'0"

② 2#6X20'6"

③ 2#6X13'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑧ 2#5X10'6"

5.2 ADAPT selected

⑥ 3#5X37'6"

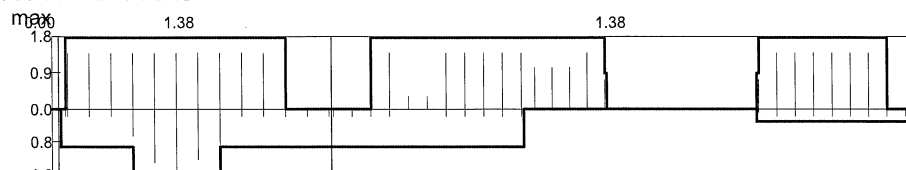
⑦ 1#5X14'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars

max 1.6
1.49 0.19

10 - DESIGNER'S NOTES

2017-06
BOL 2
(15)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:27 File: Support Line 4

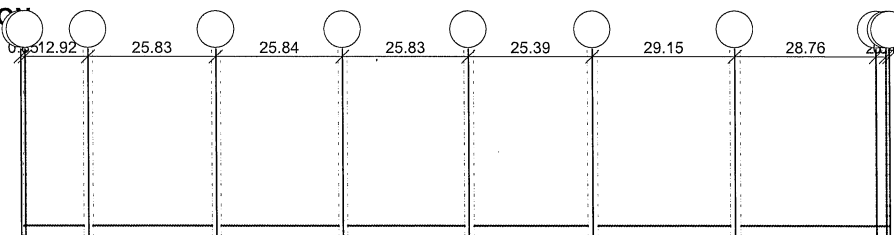
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 4

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 1#6X6'0" ③ 5#6X10'6" ④ 7#6X10'6" ⑤ 10#6X12'0" ⑥ 13#6X12'6"

3.2 ADAPT selected

① 13#6X177'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑧ 1#5X7'6" ⑨ 4#5X10'6" ⑩ 3#5X8'6" ⑪ 9#5X11'6" ⑫ 2#5X10'6"

5.2 ADAPT selected

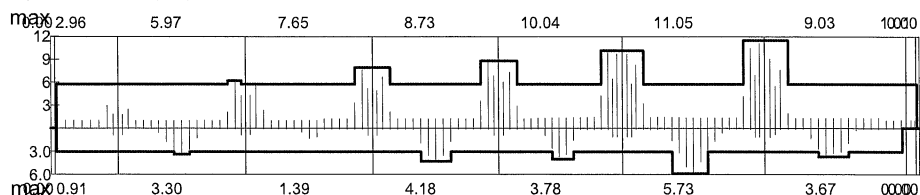
⑦ 10#5X176'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required ———
provided ———

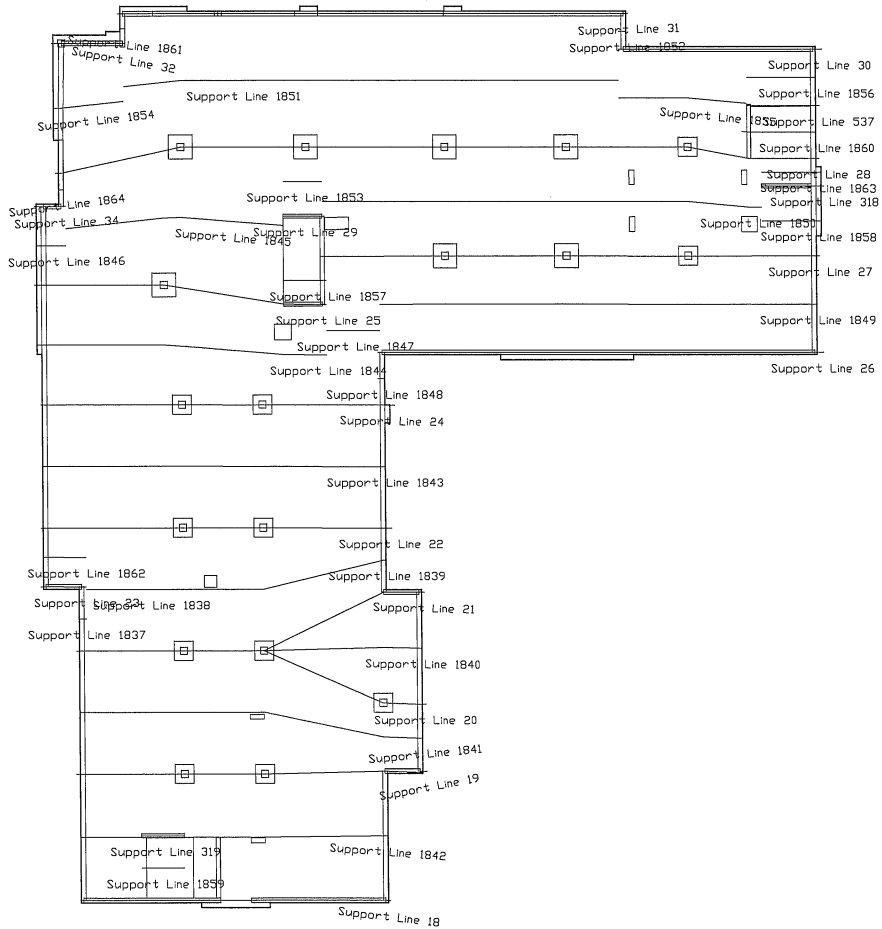


6.2 Bottom Bars

10 - DESIGNER'S NOTES

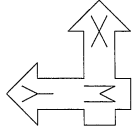
2017-06

1802
(15)



Wall Reactions Plan_Envelope

HOME2 - SSF BOTTOM REINFORCING



Design Sections, Investigation, Moment Capacity
Max: 975.80
Min: -1573.23
Max demand/capacity ratio: 1.01

12/16/17

17:14:41

h2ssf-Adapt-171020-NoPorteCo.adm

2017-06
BOL
15

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:29 File: Support Line 19

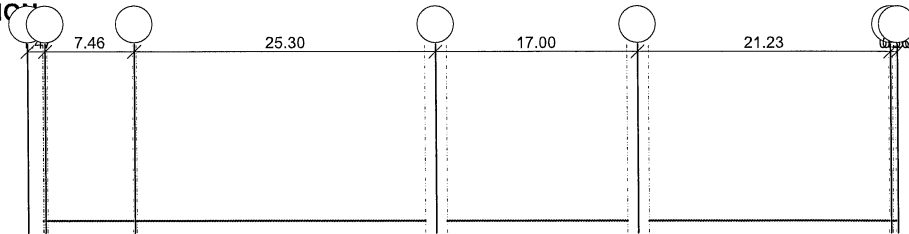
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 19

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3 4#6X6'0"

4 8#6X10'6"

3.2 ADAPT selected

1 4#6X15'0"

2 8#6X30'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

6 8#5X15'0"

7 3#5X10'6"

5.2 ADAPT selected

5 9#5X66'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

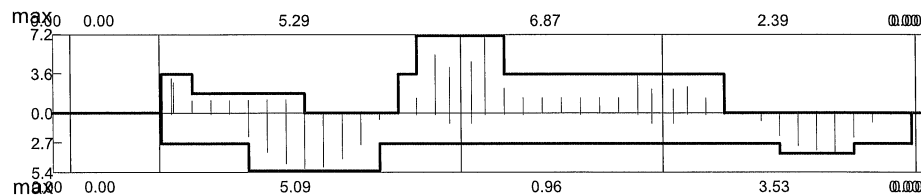
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BDC2
(20)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:29 File: Support Line 20

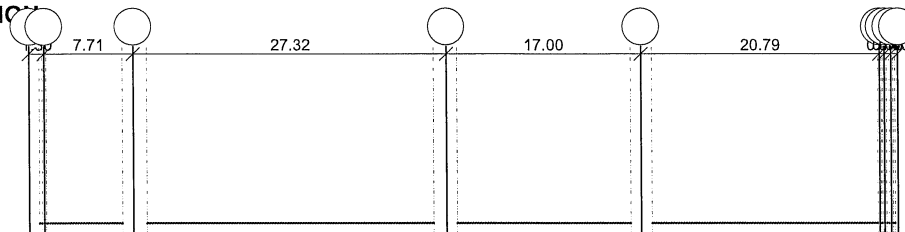
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 20

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 2#6X6'6"

③ 9#6X8'0"

④ 3#6X6'0"

3.2 ADAPT selected

① 10#6X76'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑥ 2#5X20'0"

⑦ 7#5X15'0"

5.2 ADAPT selected

⑤ 8#5X68'0"

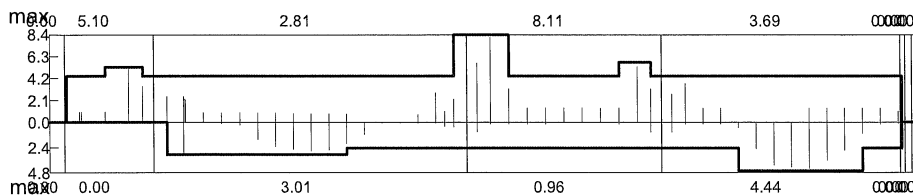
Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required
provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
Boc 2
620

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:30 File: Support Line 21

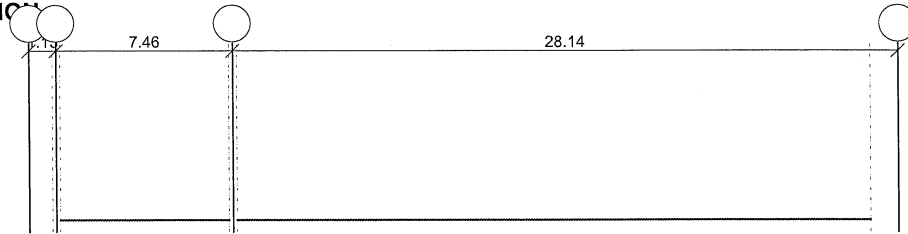
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 21

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

③ 7#6X5'0"

④ 3#6X6'0"

3.2 ADAPT selected

① 7#6X13'0"

② 4#6X13'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑥ 5#5X15'0"

5.2 ADAPT selected

⑤ 6#5X30'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

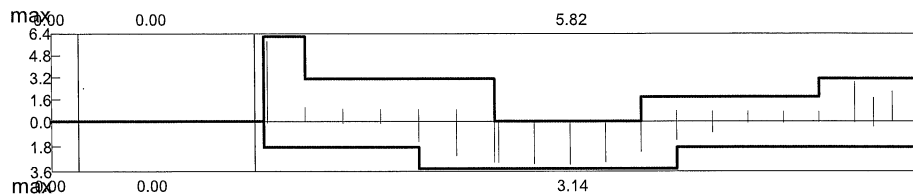
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
B012
(22)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:30 File: Support Line 22

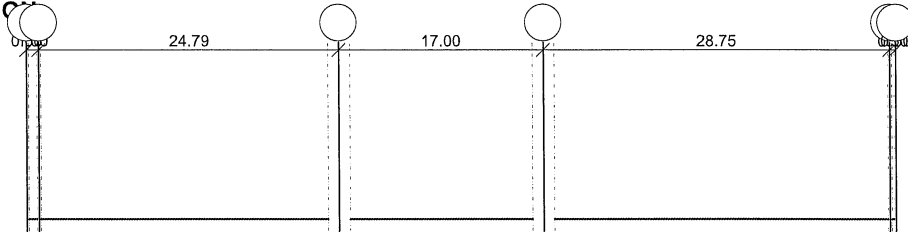
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 22

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 9#6X10'6" ③ 11#6X10'6"

3.2 ADAPT selected

① 11#6X72'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑤ 11#5X17'0" ⑥ 9#5X16'0"

5.2 ADAPT selected

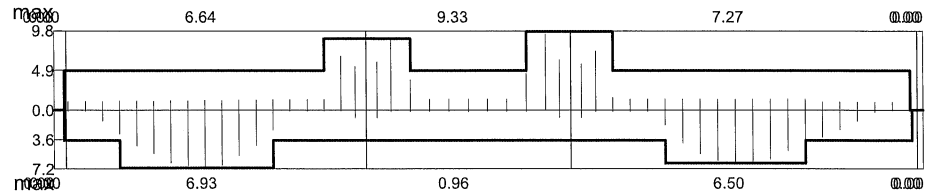
④ 12#5X72'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



10 - DESIGNER'S NOTES

2017-06
BOLZ
(23)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:30 File: Support Line 24

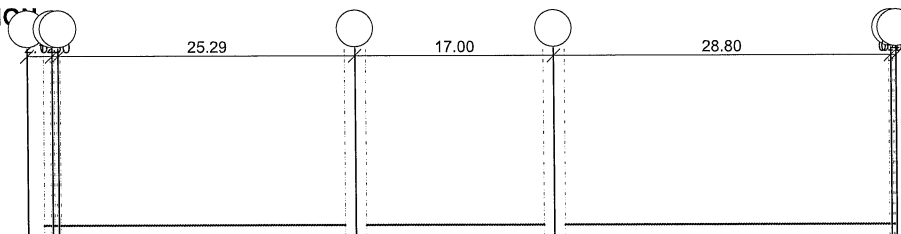
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 24

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 4#6X10'6"

③ 14#6X12'0"

3.2 ADAPT selected

① 14#6X7'3"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑤ 7#5X12'6"

⑥ 18#5X20'0"

5.2 ADAPT selected

④ 18#5X7'4"

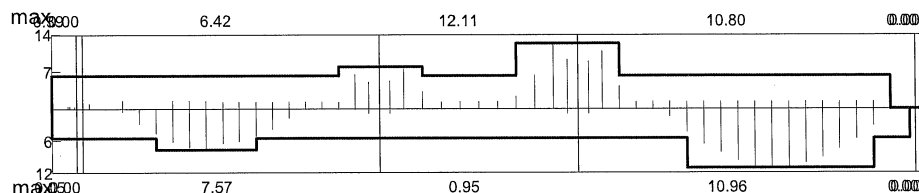
Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required
provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-01
BDZ
(24)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:30 File: Support Line 25

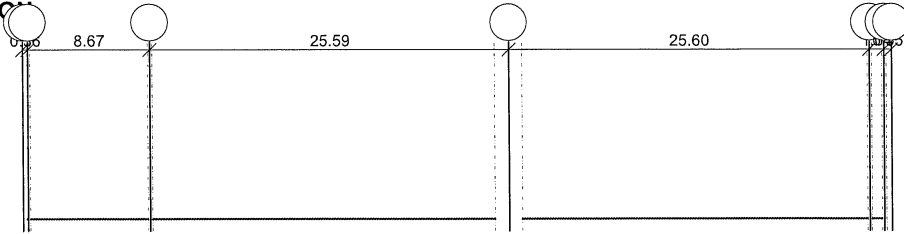
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 25

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

4 6#6X5'0"

5 13#6X12'0"

6 1#6X14'0"

3.2 ADAPT selected

1 10#6X2'0"

2 13#6X36'0"

3 2#6X14'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

9 3#5X12'0"

10 9#5X15'0"

5.2 ADAPT selected

7 1#5X2'6"

8 10#5X55'0"

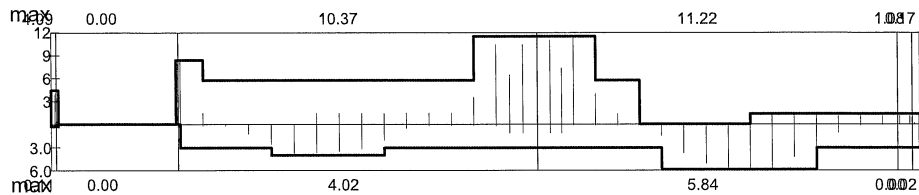
Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required
provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BOLL
(25)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:31 File: Support Line 27

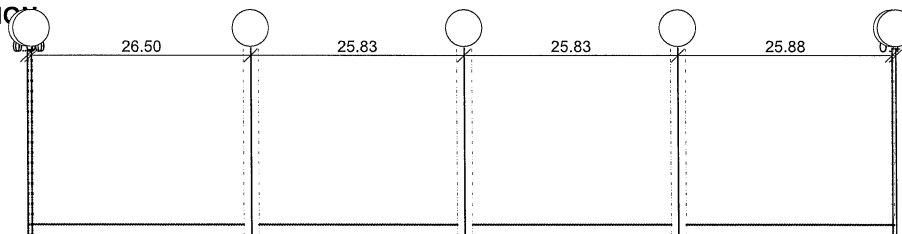
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 27

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 10#6X10'6"

③ 10#6X11'6"

④ 10#6X11'6"

3.2 ADAPT selected

① 10#6X105'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑥ 10#5X10'6"

⑦ 2#5X8'6"

⑧ 11#5X13'0"

5.2 ADAPT selected

⑤ 11#5X105'0"

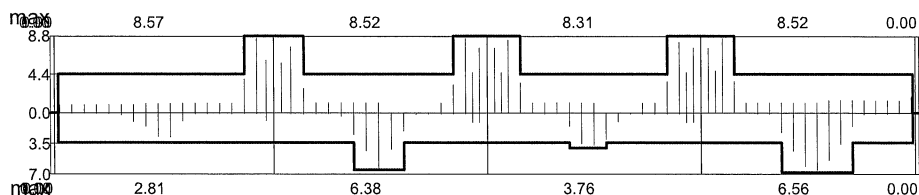
Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required
provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BDC
P26

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:31 File: Support Line 28

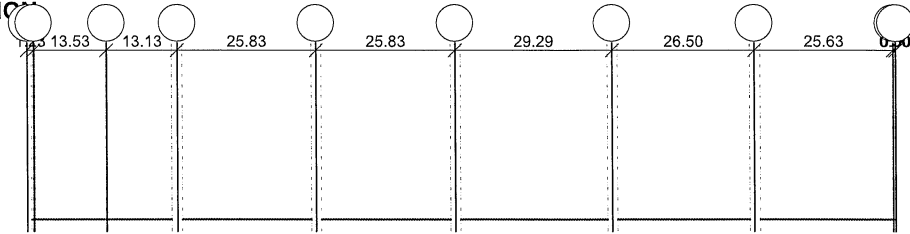
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 28

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3 6#6X11'6" 4 15#6X13'0" 5 14#6X11'6" 6 7#6X12'0"

3.2 ADAPT selected

1 15#6X135'6" 2 3#6X5'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

8 13#5X13'6" 9 6#5X11'6"

5.2 ADAPT selected

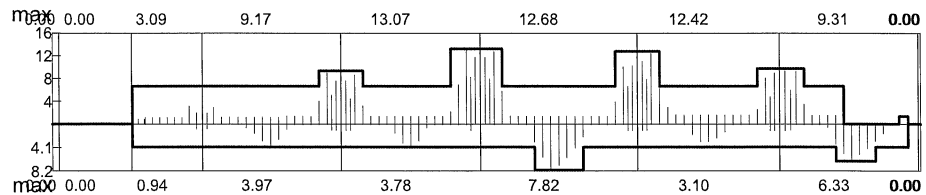
7 13#5X148'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
18012
(27)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:34 File: Support Line 1838

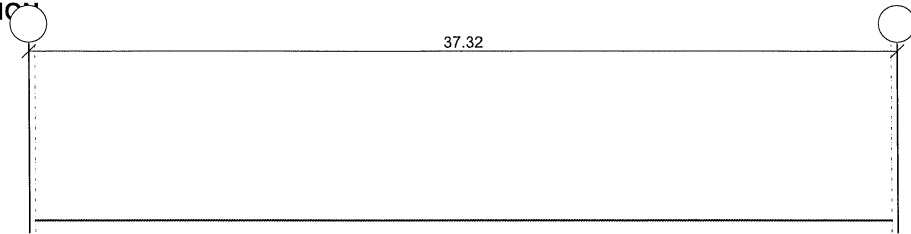
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1838

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected

① 4#6X37'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

② 7#5X37'6"

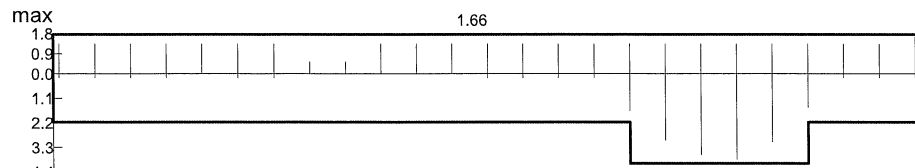
③ 6#5X12'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars

max 4.4
max 3.85

10 - DESIGNER'S NOTES

2017-06
BOL 2
(28)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:34 File: Support Line 1839

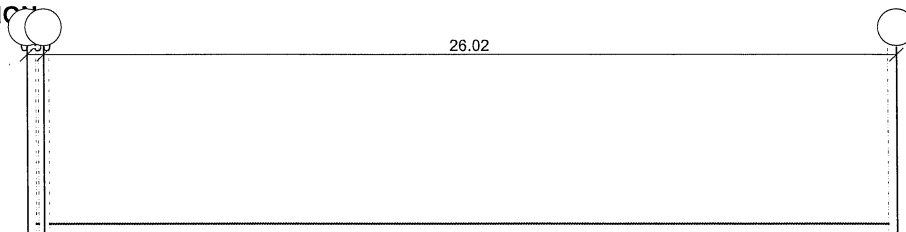
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1839

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 1#6X19'6"

3.2 ADAPT selected

① 2#6X26'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 6#5X14'6"

5.2 ADAPT selected

③ 7#5X26'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

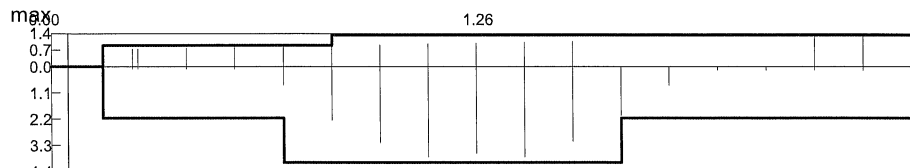
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

max

3.81

10 - DESIGNER'S NOTES

2017-06
BOL 2
(25)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:34 File: Support Line 1840

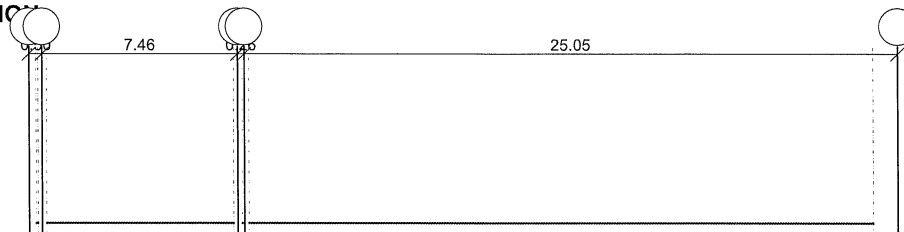
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1840

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 1#6X17'0"

3.2 ADAPT selected

① 2#6X33'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 4#5X14'0"

5.2 ADAPT selected

③ 5#5X25'6"

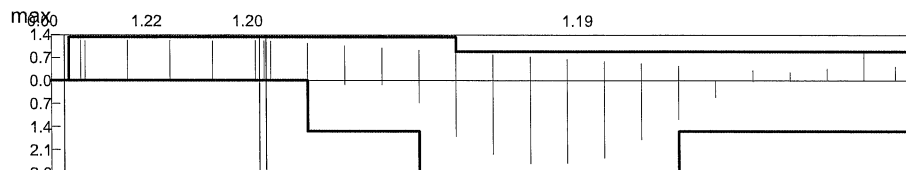
Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

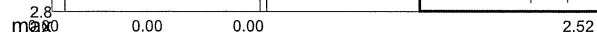
6.1 Top Bars

[in²]

required
provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
RDL2
(30)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:34 File: Support Line 1841

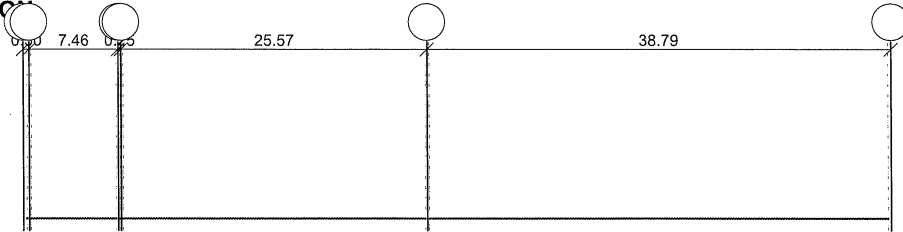
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1841

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

③ 3#6X8'0"

3.2 ADAPT selected

① 4#6X19'6"

② 4#6X33'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑤ 2#5X9'0"

⑥ 7#5X14'6"

5.2 ADAPT selected

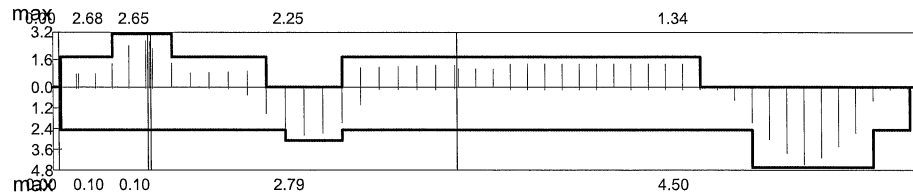
④ 8#5X73'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BOLZ
(31)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:35 File: Support Line 1842

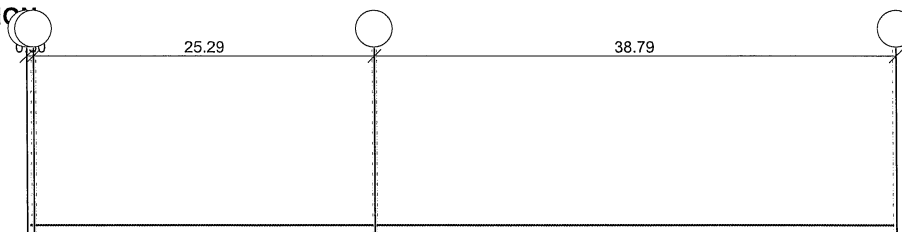
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1842

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

④ 3#6X7'6"

3.2 ADAPT selected

① 4#6X15'0"

② 4#6X17'0"

③ 4#6X14'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑦ 6#5X18'0"

⑧ 1#5X7'0"

5.2 ADAPT selected

⑤ 6#5X43'6"

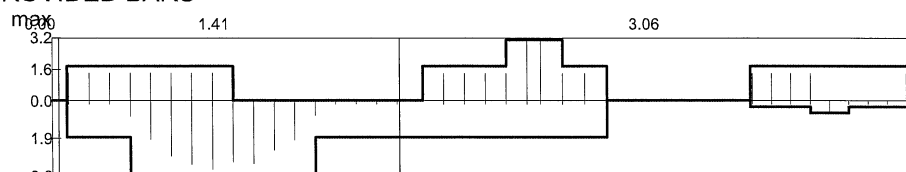
⑥ 1#5X15'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars

max 3.8
max 3.47 0.55

10 - DESIGNER'S NOTES

2017-06
BOLL
(32)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:35 File: Support Line 1843

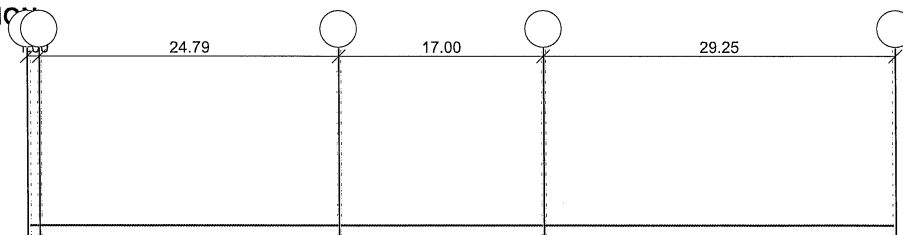
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1843

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 3#6X10'6"

3.2 ADAPT selected

① 4#6X72'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

④ 8#5X15'0"

⑤ 17#5X20'0"

5.2 ADAPT selected

③ 17#5X72'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

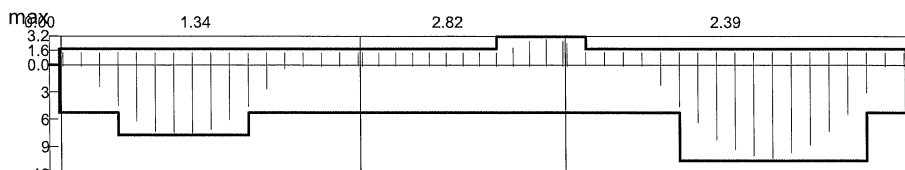
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

max 7.66 0.18 10.31

10 - DESIGNER'S NOTES

2017-06
13 Dec
(33)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:35 File: Support Line 1844

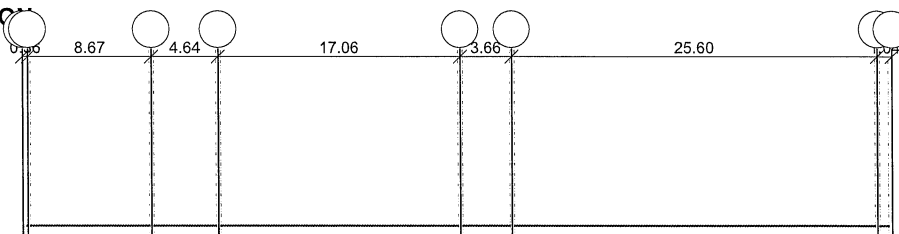
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1844

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3 2#6X10'0"

3.2 ADAPT selected

1 3#6X36'0"

2 2#6X3'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

5 13#5X18'0"

5.2 ADAPT selected

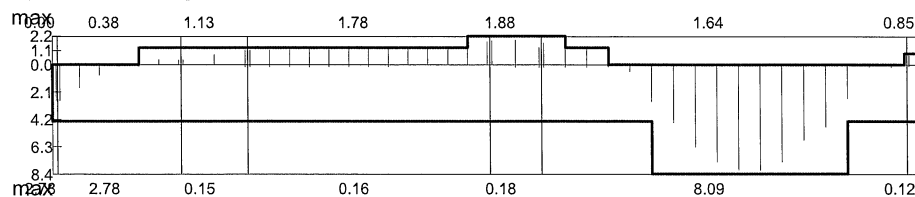
4 14#5X61'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
13 DEC
(34)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

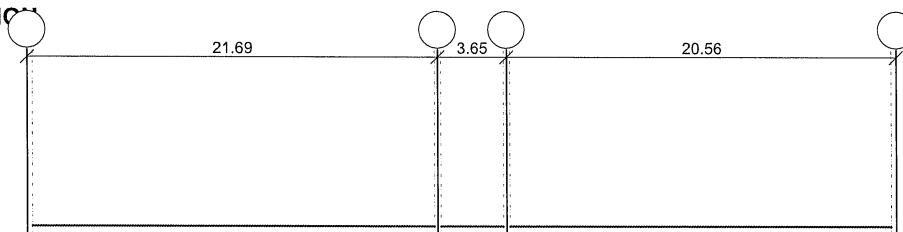
ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:35 File: Support Line 1845

1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1845

1.2 Load Case: Envelope

2 - MEMBER ELEVATION [ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected



5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

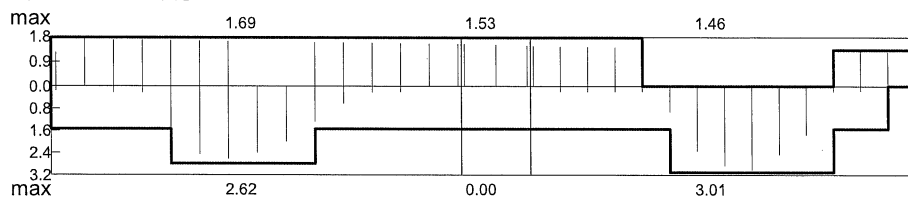


Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
required
provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BDC2
(35)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:35 File: Support Line 1849

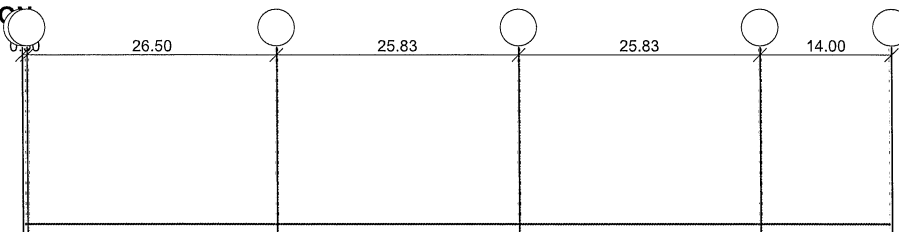
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1849

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected



5 - BOTTOM REBAR

5.1 ADAPT selected



5.2 ADAPT selected



Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

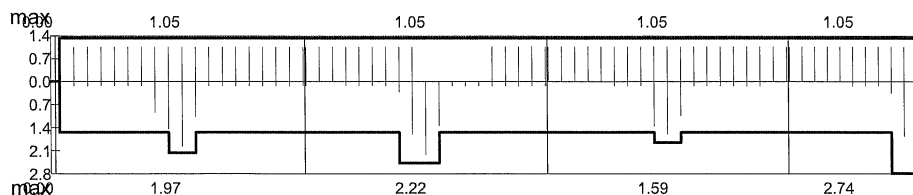
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

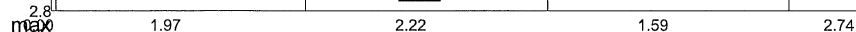
[in²]

required

provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
13 DEC
36

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:35 File: Support Line 1850

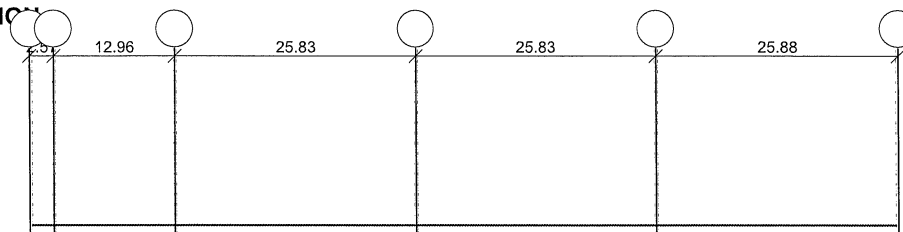
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1850

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 3#6X11'0"

③ 7#6X3'6"

3.2 ADAPT selected

① 7#6X93'6"

5 - BOTTOM REBAR

5.1 ADAPT selected

⑤ 9#5X13'6"

5.2 ADAPT selected

④ 10#5X93'6"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

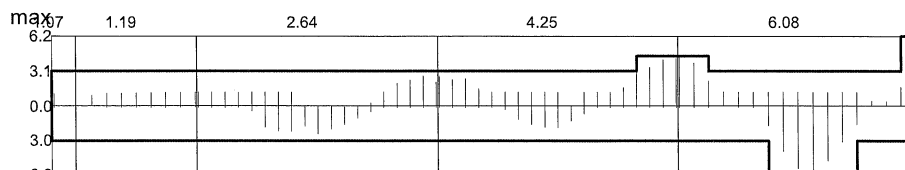
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars



10 - DESIGNER'S NOTES

2017-06
BDL2
(37)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:36 File: Support Line 1851

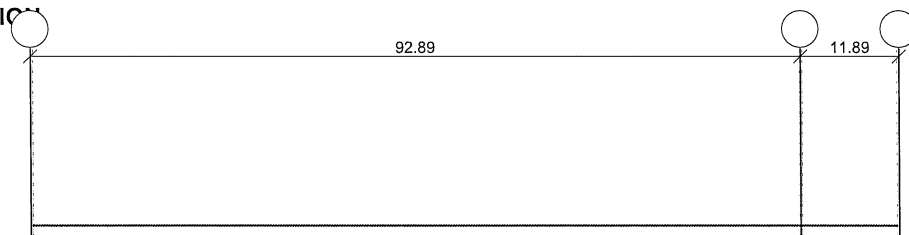
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1851

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected

① 4#6X105'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

② 9#5X105'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

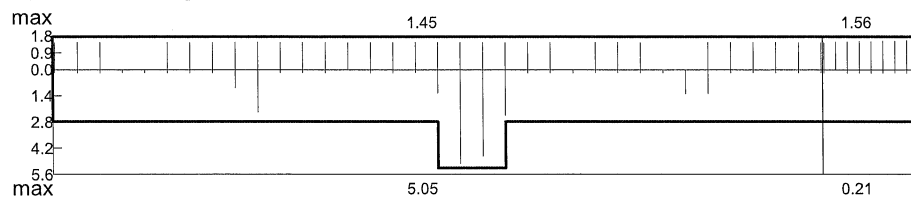
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



6.2 Bottom Bars

10 - DESIGNER'S NOTES

2017-06
BOLZ
(38)

ADAPT - STRUCTURAL CONCRETE SOFTWARE SYSTEM

ADAPT-Builder Version 2016 Date: November 02, 2017 Time: 17:01:36 File: Support Line 1855

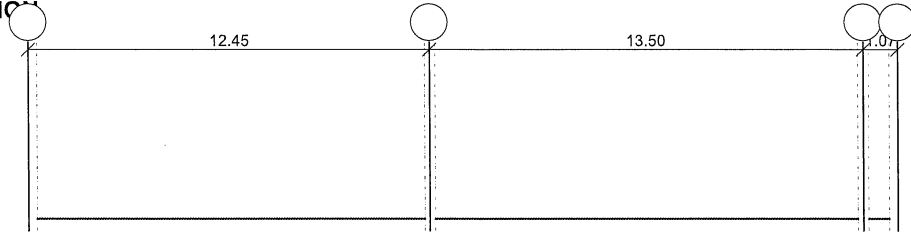
1 - PROJECT TITLE: HOME2 - SSF

1.1 Design Strip: Support Line 1855

1.2 Load Case: Envelope

2 - MEMBER ELEVATION

[ft]



3 - TOP REBAR

3.1 ADAPT selected

② 1#6X27'0"

3.2 ADAPT selected

① 2#6X27'0"

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

③ 1#5X27'0"

Note: Reinforcement shown on plan may differ from the above schedule. Bars on plan are adjusted in length, and account for spacing requirements of the code

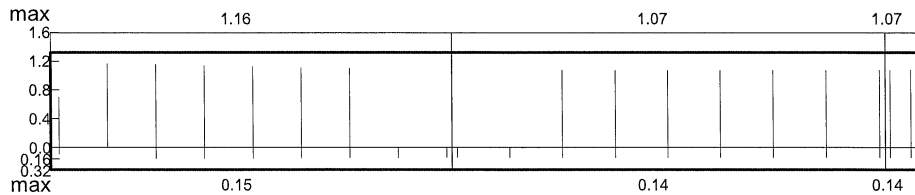
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided

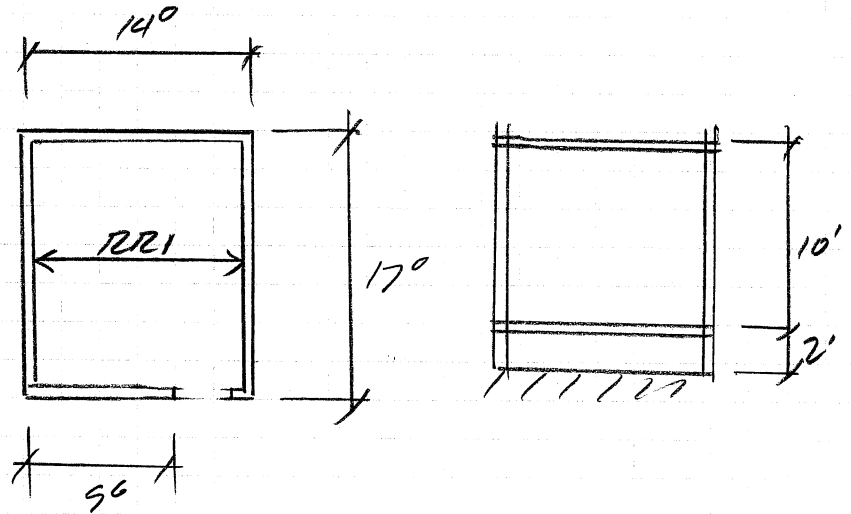


10 - DESIGNER'S NOTES

SITE BUILT - MISL. ROOF TRIMS

2013-06
(M-1)

STAIR TOWERS



ROOF JOIST

$$L = 14'0''$$
$$W = (16 + 20)(2) = 72 \text{ in}^4$$

$$I_x = 504 \text{ in}^4$$
$$I_y = 22 \text{ in}^4$$
$$I_z = 62 \text{ in}^4$$

2x10 @ 24" o.c.

STAIR WINDS

5' WIND BOWN'S BY INSP.

$$V_{W1} = (20.76)(5)(7) = 727 \text{ lb}$$

$$V = 77 \text{ lb}$$

3/8" CDX w/ 8d @ 6, 6, 12

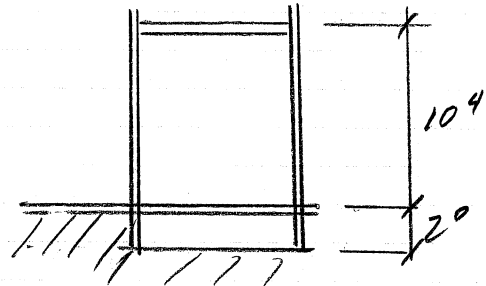
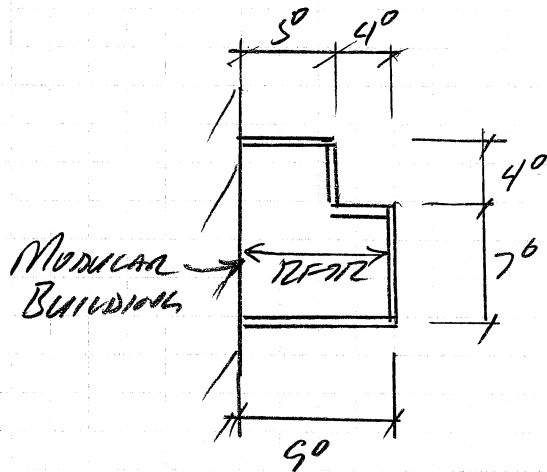
$$T = C = 918 \text{ lb}$$

DL = SMALL

- USE CS16 STAIR (7 ft = 1705 in)

2017-06
(172)

ELEVATOR EQUIPMENT ROOM.



REFRIG $L = 9'0" \text{ MAX}$
 $W = (16 + 20)(2) = 72 \text{ #/}$

$R = 324 \text{ #}$
 $M2 \ 5'12"-11$
 $T = 16 \text{ in}^4$
USE $2 \times 6 @ 24" \text{ O.C.}$

SHOAR $L_s = 5'0" \text{ MIN. BORN'S}$
 Wind Born's

$V_w = (20.76)(5)(5.5) = 571 \text{ #}$

$V_s = 114 \text{ #/}$
 $\frac{3/8" \text{ COX w/}}{8d @ 6", 6", 12}$

$T = C = 1141 \text{ #}$
 $DL = 0.6[(15)(10) + 16(1)](2.5) = 250 \text{ #}$

$T_{ra} = 842 \text{ #} -$ CS16 SHARP ($T_n = 1705 \text{ #}$)

2017-06
(MS)

Floor Joist

$$L = 9'0"$$

$$W = (17 + 125)(1.33) = 184 \text{ #6}$$

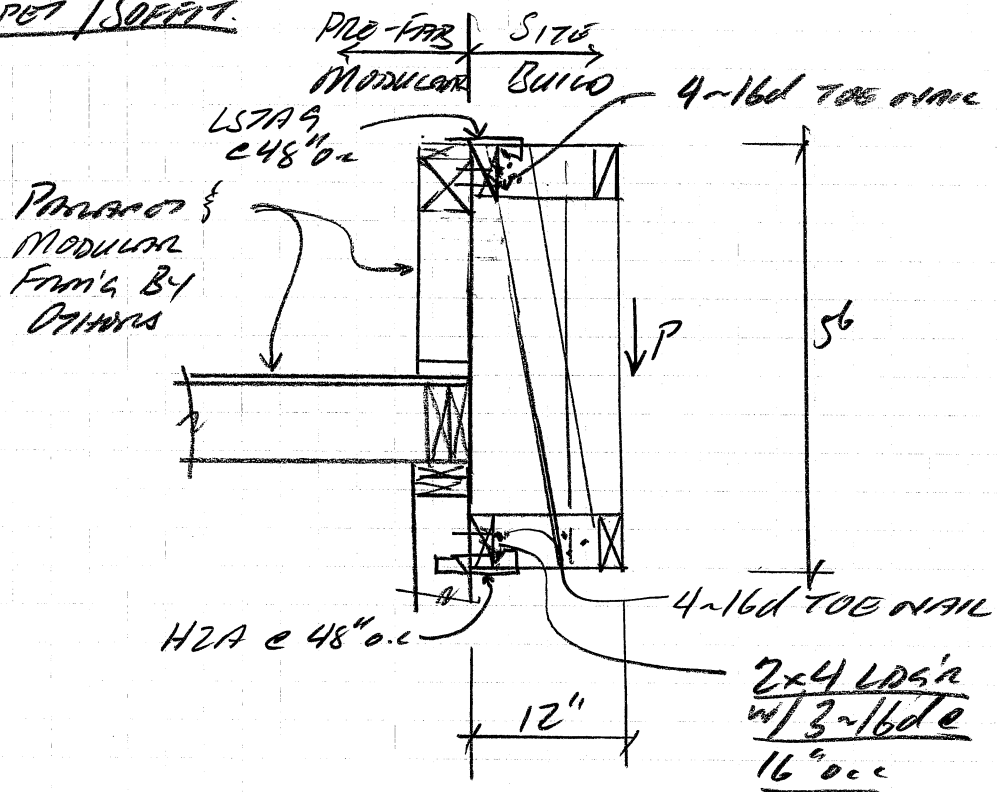
$$D = 850 \text{ #6}$$

$$M = 23 \text{ k-ft}$$

$$I_x = 42 \text{ in}^4$$

Use 2x10 F3 @ 16" o.c (min)

PARAMETER / SOFTT.



$$P = 15(5.5) = 83^{\text{ft}} \times 1.33 = 110^{\text{ft}}$$

- 2x4 Brace w/
3-16d e.e.

GR = 433"

At Top & Bottom. 2x4
~ 4 ~ 16d TOE NAIL

$$V_{ALL} = 4(141)(5/6) = 470''$$

LEADER

2x4 w/ 3-16d to
Parameter 1/Wall.

$$CAR = 3(141) = 423^{\#}$$

Таб. 4'00к

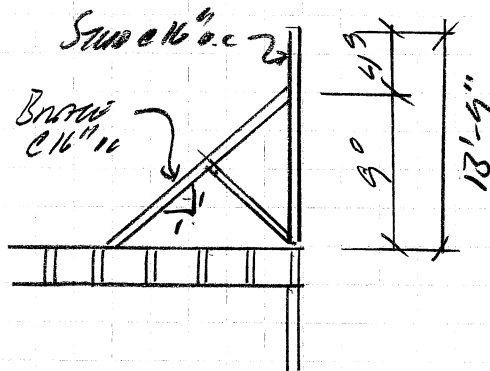
$$T = L = \frac{110(4)(1)}{5.5} = 80''$$

USE H2A ($\frac{575}{1.2} = 355\#$)
H6 ($\frac{950}{1.6} = 593\#$)

OR LSTAG ($\frac{740}{1.6} = 463^{\circ}$)

2017-06
(MS)

BEACH TOWER WALLS.



PARAPOT.

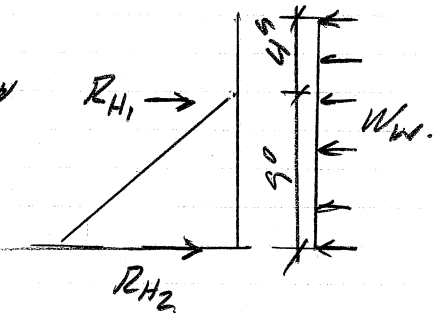
$$WIND = 49.44 \text{ PSF} \approx 50 \text{ PSF}$$

$$R_{H1} = \frac{50(13.75)^2}{2(9)} = 525 \text{ \# / FT.}$$

$$R_{H2} = \frac{\left[\frac{50(4.75)^2}{2} - \frac{50(9)^2}{2} \right]}{9} = -163 \text{ \#}$$

STUD

$$M_{STUD} = \frac{50(4.75)^2}{2} \times 1.33 = 750 \text{ \#-1}$$



USE 2x6 STUDS C16" x 16"

BRACE

$$L_u = \frac{9(1.414)}{2} = 6.4'$$

$$P_{BRACE} = R_{H1} (1.414) = 525(1.414) = 742 \text{ \#}$$

USE 2x6 BRACE C16" x 16"

BRACE - WALL / ROOF TIE

$$MSTA24 \text{ C16" x 16"}$$

$$(C_{90} = \frac{14}{18}(1640) = 1275 \text{ \#})$$

$$\frac{H6}{H72} \text{ (C}_{90} = 980 \text{ \#})$$

$$\frac{H72}{T16} \text{ (C}_{90} = 985 \text{ \#})$$

$$525 \text{ \#} \approx \frac{4 \times 16d \text{ TO STUD } (524 \text{ \#})}{2 \times 16d \text{ (MINI) } (282 \text{ \#})}$$

2017-06
(116)

MecaWind Pro v2.2.7.5 per ASCE 7-10

Developed by MECA Enterprises, Inc. Copyright www.mecaenterprises.com

Date : 12/17/2017 Project No. :
 Company Name : HCP ENGINEERING Designed By :
 Address : 650 E. Parkridge Ave., Suite 1 Description :
 City : Corona Customer Name :
 State : CA Proj Location :
 File Location: C:\Users\HCP ENGINEERING\AppData\Roaming\MecaWind\Default.wnd

Directional Procedure Simplified Diaphragm Building (Ch 27 Part 2)

Basic Wind Speed(V)	=	110.00 mph	Exposure Category	=	C
Structural Category	=	II	Flexible Structure	=	No
Natural Frequency	=	N/A	Kd Directional Factor	=	0.85
Importance Factor	=	1.00			
Damping Ratio (beta)	=	0.01			
Alpha	=	9.50	Zg	=	900.00 ft
At	=	0.11	Bt	=	1.00
Am	=	0.15	Bm	=	0.65
Cc	=	0.20	l	=	500.00 ft
Epsilon	=	0.20	Zmin	=	15.00 ft
Pitch of Roof	=	0 : 12	Slope of Roof(Theta)	=	.00 Deg
h: Mean Roof Ht	=	60.00 ft	Type of Roof	=	FLAT
RHt: Ridge Ht	=	60.00 ft	Eht: Eave Height	=	60.00 ft
OH: Roof Overhang at Eave	=	.00 ft	Overhead Type	=	No Overhang
Bldg Length Along Ridge	=	187.00 ft	Bldg Width Across Ridge	=	163.00 ft

Gust Factor Calculations

Gust Factor Category I Rigid Structures - Simplified Method
 Gust1: For Rigid Structures (Nat. Freq.>1 Hz) use 0.85 = 0.85

Gust Factor Category II Rigid Structures - Complete Analysis
 Zm: 0.6*Ht = 36.00 ft
 lzm: Cc*(33/Zm)^0.167 = 0.20
 Lzm: 1*(Zm/33)^Epsilon = 508.78 ft
 Q: (1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5 = 0.85
 Gust2: 0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm)) = 0.85

Gust Factor Summary
 Not a Flexible Structure use the Lessor of Gust1 or Gust2 = 0.85

Table 26.11-1 Internal Pressure Coefficients for Buildings, GCpi

GCpi : Internal Pressure Coefficient = +/-0.18

Topographic Adjustment

0.33*z = 1.00
 Kzt (0.33*z): Topographic factor at elevation 0.33*z = 1.00
 Vtopo: Adjust V per Para 27.5.2: V * [Kzt(0.33*z)]^0.5 = 110.00 mph

MWFRS Diaphragm Building Wind Pressures per Ch 27 Pt 2

All pressures shown are based upon ASD Design, with a Load Factor of .6

MWFRS Pressures for Wind Normal to 187 ft wall (Normal to Ridge)

WALL PRESSURES PER TABLE 27.6-1
 L/B: Bldg Dim in Wind Dir / Bldg Dim Normal to Wind Dir = 0.87
 h: Height to top of Windward Wall = 60.00 ft
 ph: Net Pressure at top of wall (windward + leeward) = 20.76 psf
 p0: Net Pressure at bottom of wall (windward + leeward) = 17.64 psf
 ps: Side wall pressure acting away from wall = .54 * ph = -11.21 psf
 pl: Leeward wall pressure acting away from wall = .38 * ph = -7.89 psf
 pwh: Windward wall press @ top acting toward wall = ph-pl = 12.87 psf
 pw0: Windward wall press @ bot acting toward wall = p0-pl = 9.75 psf

ROOF PRESSURES PER TABLE 27.6-2
 h: Mean Roof Height = 60.000 ft
 Lambda: Exposure Adjustment Factor = 1.000
 Slope: Roof Slope = .00 Deg

Any slope less than 9.46 Deg is treated as a 'Flat' roof per Table 27.6-2

Zone	Load Case1	Load Case2
	psf	psf

2017-06
(M7)

-----	-----	-----
1	.00	.00
2	.00	.00
3	-19.02	.00
4	-16.98	.00
5	-13.92	.00

Note: A value of '0' indicates that the zone/load case is not applicable.
MWFRS Pressures for Wind Normal to 163 ft wall (Along Ridge)

WALL PRESSURES PER TABLE 27.6-1

L/B: Bldg Dim in Wind Dir / Bldg Dim Normal to Wind Dir = 1.15
 h: Height to top of Windward Wall = 60.00 ft
 ph: Net Pressure at top of wall (windward + leeward) = 20.38 psf
 p0: Net Pressure at bottom of wall (windward + leeward) = 17.24 psf

ps: Side wall pressure acting away from wall = $.55 * ph$ = -11.31 psf
 pl: Leeward wall pressure acting away from wall = $.36 * ph$ = -7.41 psf
 pwh: Windward wall press @ top acting toward wall = $ph - pl$ = 12.97 psf
 pw0: Windward wall press @ bot acting toward wall = $p0 - pl$ = 9.83 psf

ROOF PRESSURES PER TABLE 27.6-2

h: Mean Roof Height = 60.000 ft
 Lambda: Exposure Adjustment Factor = 1.000
 Slope: Roof Slope = .00 Deg

Any slope less than 9.46 Deg is treated as a 'Flat' roof per Table 27.6-2

Zone	Load Case1 psf	Load Case2 psf
-----	-----	-----
1	.00	.00
2	.00	.00
3	-19.02	.00
4	-16.98	.00
5	-13.92	.00

Note: A value of '0' indicates that the zone/load case is not applicable.
Parapet MWFRS Presures:

hp: Height to Top of Parapet = 72 ft
 php: Wall Pressure for L/B = 1 at hp (Fig 27.6-1) = 21.97 psf
 pp: Parapet total pressure (Leeward + windward) - $2.25 * php$ = 49.44 psf