

Page 2 Top view

Page 3 Front view

Page 4 Side view

Page 5 Footing detail

Page 6 Framing detail

Page 7 beam report

GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICIAL
PERMITTING OPERATION DIVISION
All work must be done strictly in accordance
herewith and approved plans must be kept on the site until
completion of construction. No inspection will be made
unless Approved plans are on job site.

**Shanco
Companies**

7609-H Airpark Road
Gaithersburg, MD 20879
Phone 301.208.0848 x 110
Fax 301.208.6623
Web www.goshanco.com

Turker Deck

3703 Windom Place N.W.
Washington D.C. 20016

6/7/13

Board of Zoning Adjustment
District of Columbia
CASE NO.18630
EXHIBIT NO.9

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BOARD OF ZONING ADJUSTMENT
District of Columbia
CASE NO. 18630
EXHIBIT NO. 9

Shanco Companies

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Gaithersburg, MD 20879
Phone 301.208.0848 x 110
Fax 301.208.6623
Web www.goshanco.com

Shoreline composite rail with
bracket and Decorator black
aluminum balusters 3-7/8" max
space

12'-0"

Fibron decking

25'-1"

4'-0"

Triangular opening shall not permit
passage of 6" sphere

DISTRICT OF COLUMBIA
PERMIT OFFICE
STRUCTURAL SECTION
APPROVED SUBJECT TO
FURTHER APPROVAL OF
SITING AND
Structural Engineering Section

Date

Turker

Top view

Page 2

Scale 1/4"=1'

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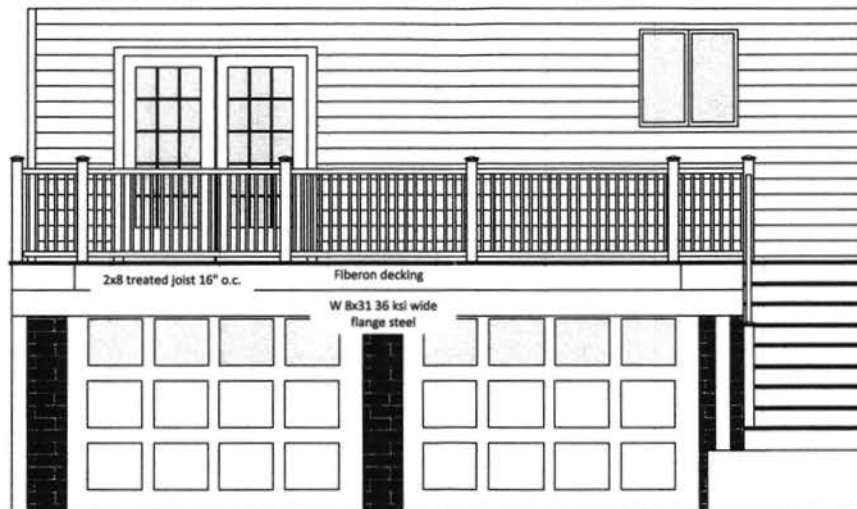
Shanco Companies

7609-H Airpark Road
Gaithersburg, MD 20879
Phone 301.208.0848 x 110
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Web www.goshanco.com

Shoreline composite rail with
bracket and Decorator black
aluminum balusters 3-7/8" max
space

4x4 treated post
with sleeve
2- 1/2" galv hex
bolts to 2x8 frame

6x6 treated
supports



Triangular opening shall not permit
passage of 6" sphere
Max rise 7'-6"

APPROVED FOR
FURTHER APPROVAL OF
SITRA
Structural Engr. Section

Date 6-12-13

Turker

Front view

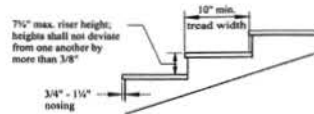
Page 3

Scale 1/4"=1'

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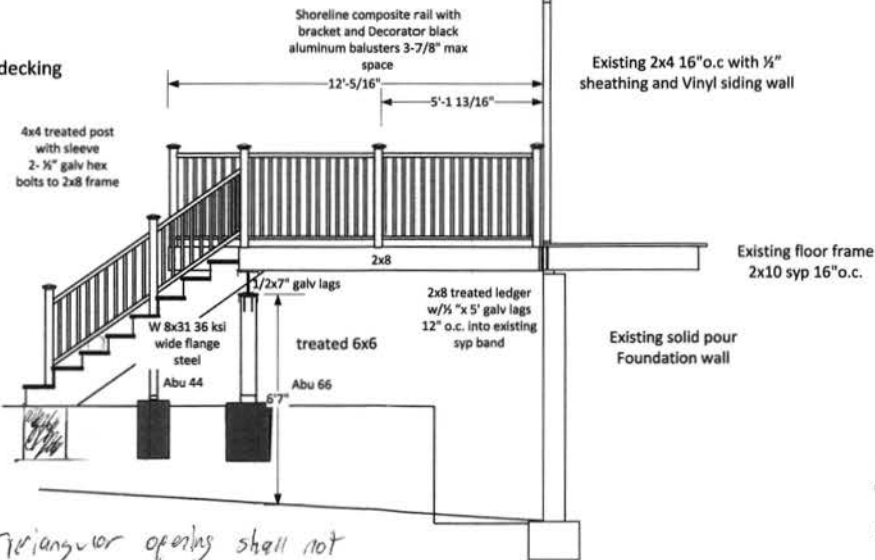
Shanco Companies

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Phone 301.208.0848 x 110
Fax 301.208.6623
Web www.shanco.com



Side view and attachment

Fiberon decking



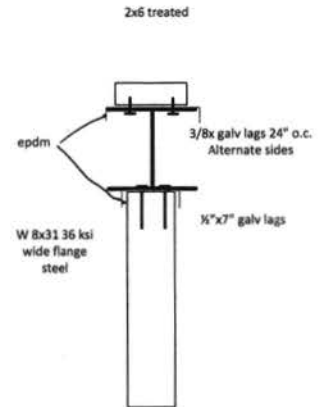
Triangular opening shall not
permit passage of 6" sphere

Existing truss roof

Existing 2x4 16" o.c with 1/2" sheathing and Vinyl siding wall

Existing floor frame
2x10 syp 16" o.c.

Existing solid pour
Foundation wall



1/4"=1'

FOUNDED BY THE

SITRA 1000 100
Structural Engr. Section

Turker

Date

6-17-13

Side view with attachment

Page 4

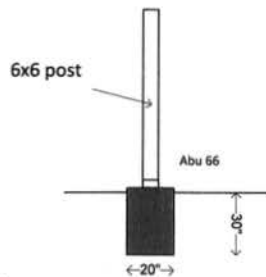
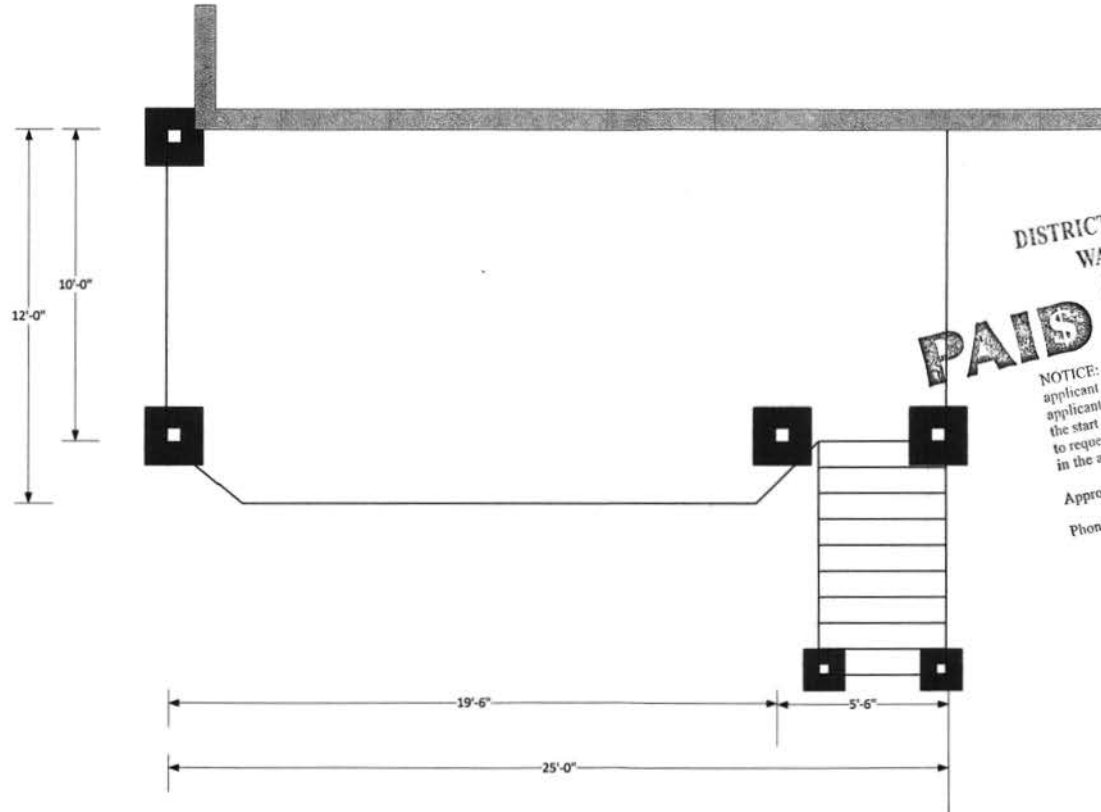
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Shanco Companies

7609-H Airpark Road
Gaithersburg, MD 20879
Phone 301.208.0848 x 110
Fax 301.208.6623
Web www.goshanco.com

Footings see irc. R402 2000 lb soil



Footings
see irc. R402
2000 lb soil

Assume Boring capacity is 1500 lbs psf

DISTRICT DEPARTMENT OF THE ENVIRONMENT
WATERSHED PROTECTION DIVISION
SEDIMENT CONTROL APPROVAL

PLAN NUMBER: SI 30 7848

PAID

NOTICE: This approval is for the Grading and Sediment Control Permit. Applicant is required to construct design features as shown on these plans. Applicant must notify this office by phone (see below) at least 72 hours before the start of grading activity and within two (2) weeks after completion of the project to request final inspection. If there is to be any changes or modifications in the approved design, this office must be notified immediately.

Approved by: 544-2977

Phone: (202)-

SITRA
Structural Eng. Section

Date

6-17-13

Turker

footing detail

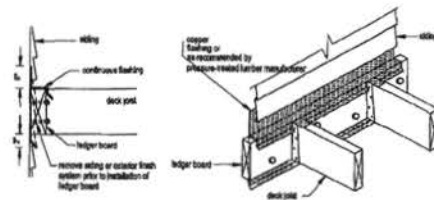
Page 5

Scale 1/4"=1'

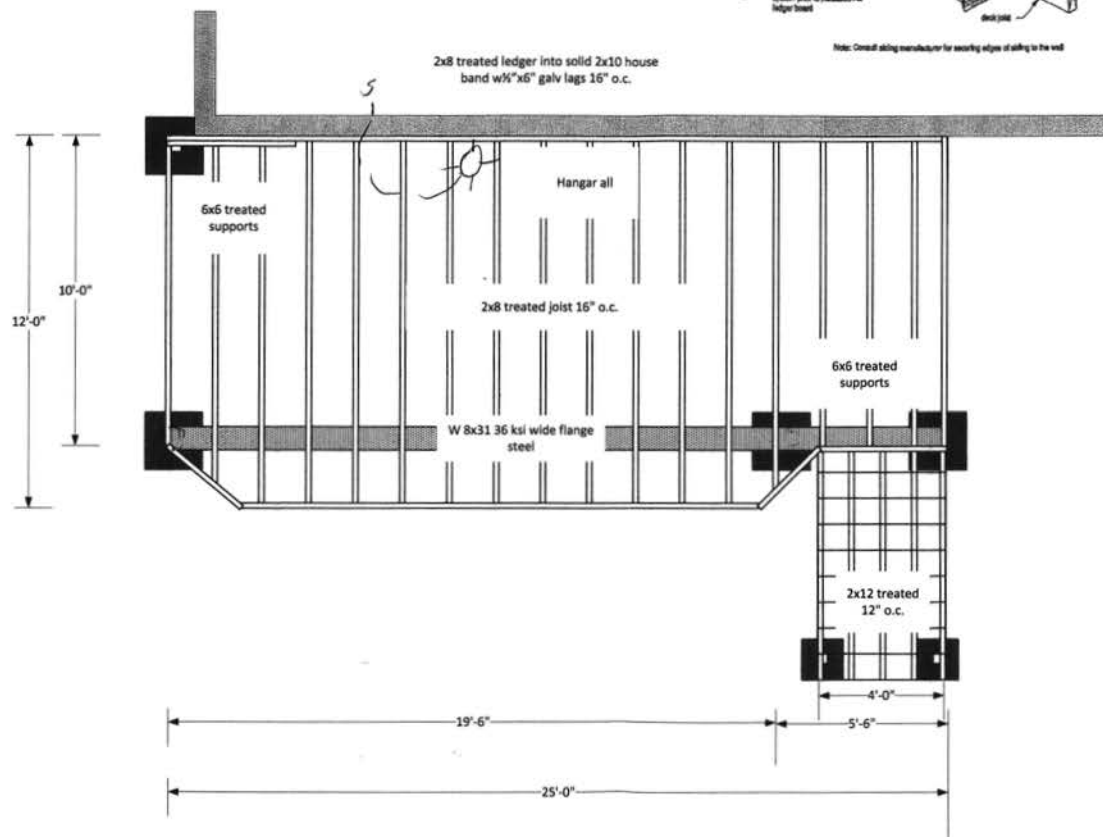
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Shanco Companies

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Web www.shanco.com



Note: Consult siding manufacturer for securing edges of siding to the wall



DISTRICT OF COLUMBIA
APPROVED SUBMITTAL
FURTHER APPROVAL OF
SITRA (signature)
Structural Engr. Section

Date

6.17.13

Turker

Framing detail

Page 6

Scale 1/4"=1'

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Web www.goshanco.com

turker 2 3703 Windom Place NW DC

Date: 6/07/13

front beam

Selection

W 8x31 36 ksi Wide Flange Steel

Lateral Support: $L_c = 8.4$ ft max.

Conditions

Actual Size is 8 x 8 in.

Min Bearing Length R1= 0.9 in. R2= 0.9 in. (1.0) DL Defl= 0.10 in Recom Camber= 0.15 in

Data

Beam Span	20.0 ft	Reaction 1 LL	2400 #	Reaction 2 LL	2400 #
Beam Wt per ft	31.0 #	Reaction 1 TL	3310 #	Reaction 2 TL	3310 #
Bm Wt Included	620 #	Maximum V	3310 #		
Max Moment	16550 W	Max V (Reduced)	N/A		
LL Max Defl	L / 240	TL Actual Defl	L / 844		
TL Max Defl	L / 360	LL Actual Defl	L / 888		

Attributes

Section (in)	Shear (in)	TL Defl (in)	LL Defl
27.50	2.28	0.37	0.27
8.38	0.23	1.00	0.67
OK	OK	OK	OK
30%	10%	37%	41%

Values

	Fb (psi)	Fv (psi)	E (psi x mil)
Ref. Value Fy	36000	36000	29.0
Adjusted Values	23760	14400	29.0

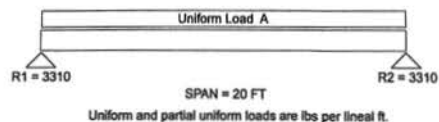
Adjustments

Adjusted values	23.50	14400	29.0
YP Factor, Lc	0.68	0.40	

Loads

Uniform LL: 240

Uniform TL: 300 = A



APPROVAL OF
FURTHER APPROVAL OF
SITRA PHARM
Structural Engr. Section

Date _____

6.17.11

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Beam report

Page 7

Scale 1/4"=1'

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