PROJECT: ROBERT'S RIVER PROJECT

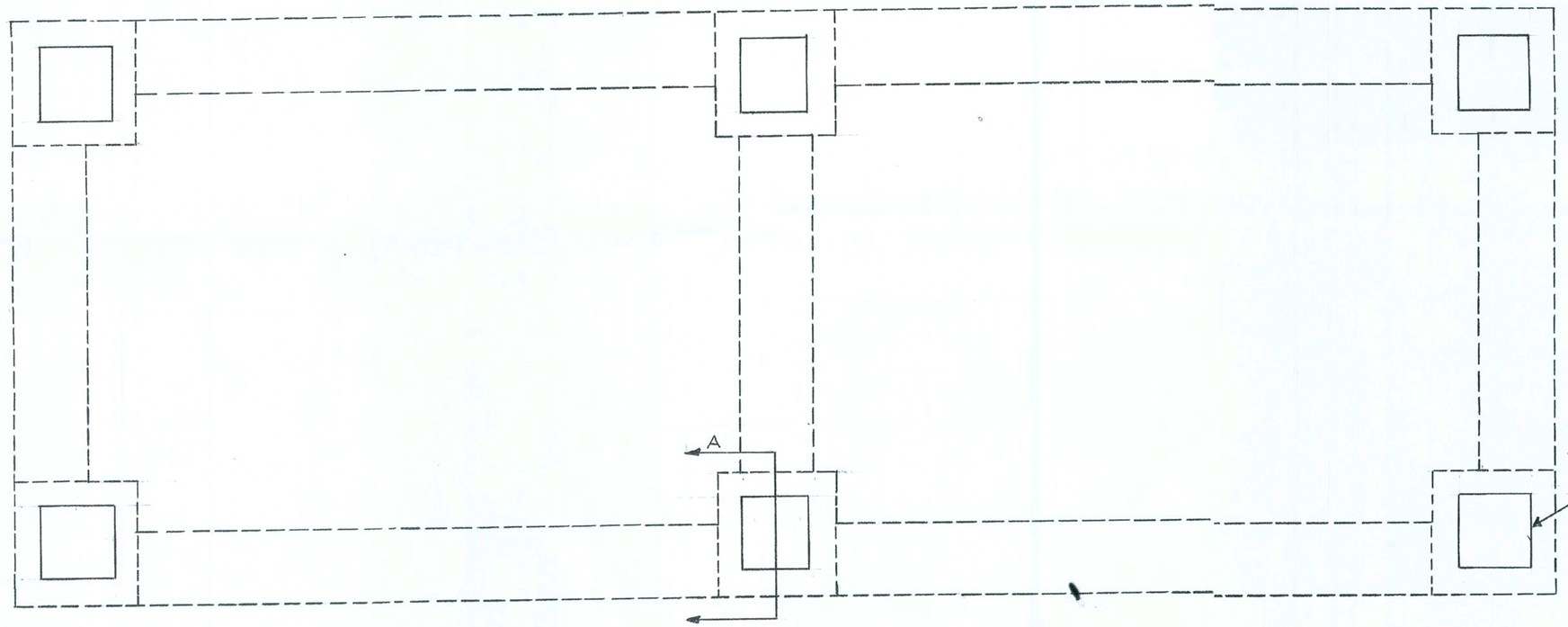
ENGINEER: DAVID STILL, P.E. # 42088

CONTRACTOR: FLORIDA FILL & GRADING
MR CHARLES BOONE
GC# 59-3315607

DAVID STILL, P.E. & ASSOCIATES, LLC
10966 SOUTH US HIGHWAY 441
LAKE CITY, FLORIDA 32025
386. 298. 6390
FL. P.E. # 42088

David Still
5 Sept 2012

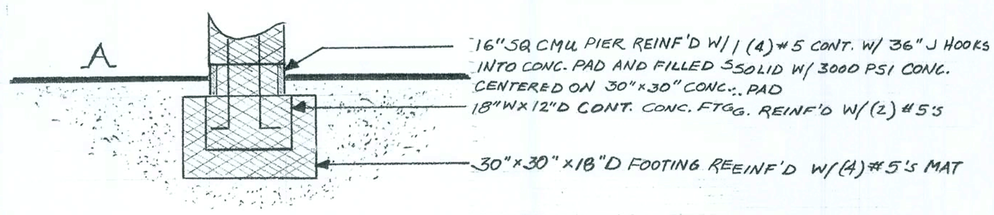
SCALE:	APPROVED BY:	DRAWN BY
DATE: 6 AUG 2012		REVISED
		DRAWING NUMBER



Notes: 16" SQ. CMU PIER REINF'D W/ (4) #5's CONT. W/ 36" J HOOK INTO CONC. PAD AND FILLED SOLID W/ 3000 PSI CONC. CENTERED ON 30"x30"x18"D PAD REINF'D W/(4) #5's MAT

Notes: 18"W x 12"D CONT. CONC. FTG. REINF'D W/(2)#5's. WIDEN FTG AND PROVIDE REINF'D AS SPECIFIED @ EACH CMU PIER. WIDEN FOOTINGS TO 30"x30"x18"D AS SHOWN IN PLANS. FOOTINGS @ PIERS REINF'D W/(4) #5's TYPICAL

END CONT RIBAR AT LEAST 3" FROM EDGE OF CONT. FTG. ON ALL SIDES



David Stepp
5 Sept 2012

CMU PIER LAYOUT/FOUNDATION PLAN

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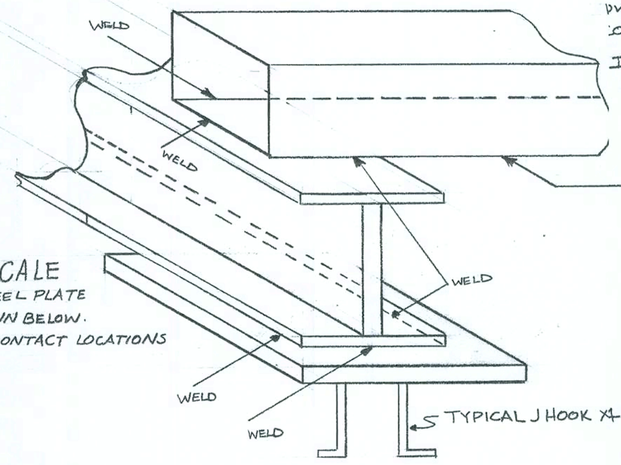
CONNECTION DETAIL



SWMD FLOOD INFO – 1% ANNUAL CHANCE FLOOD ELEV. = 85.9 FEET.
LOWEST STRUCTURE MEMBER TO BE AT ELEV. 86.9 FEET
LOWEST STRUCTURE MEMBER TO BE ATTACHED W/ CONT. WELD @ CONTACT POINT OF I BEAM AS SHOWN.

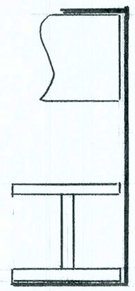
I-BEAM TO BE AT LEAST 4" WIDE AND 6" HIGH.

86.9 FEET - LOWEST STRUCTURAL MEMBER

NOT TO SCALE

18" X 18" X 1/2" STEEL PLATE ATTACHED AS SHOWN BELOW. CONT. WELD AT CONTACT LOCATIONS AS SHOWN

TIE DOWN DETAIL



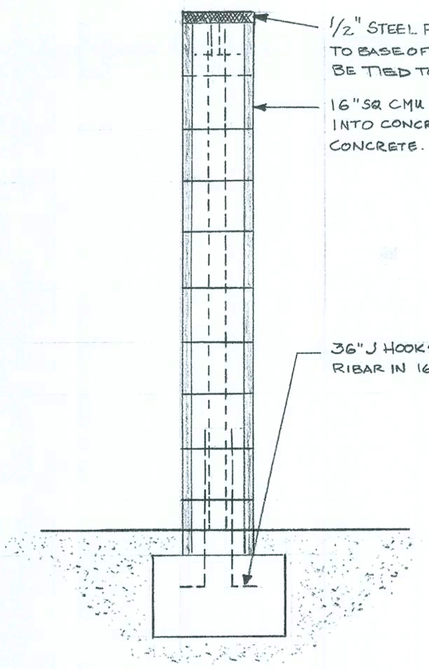
TIE DOWN STRAP (TYPICAL)
SIMPSON LTS 12 AT LOCATIONS SPEC. BY MH MANUFACTURE.

WELD TIE DOWN STRAP TO BOTTOM FLANGE OF I-BEAM

PORCHES & STAIRS TYPICAL

DECK 8'x10' WITHOUT STAIRS. BUILD AS PER SOUTHERN BUILDING CODE. CONTRACTOR TO BUILD ON SITE AS PER OWNER SPECS.

CMU DETAIL

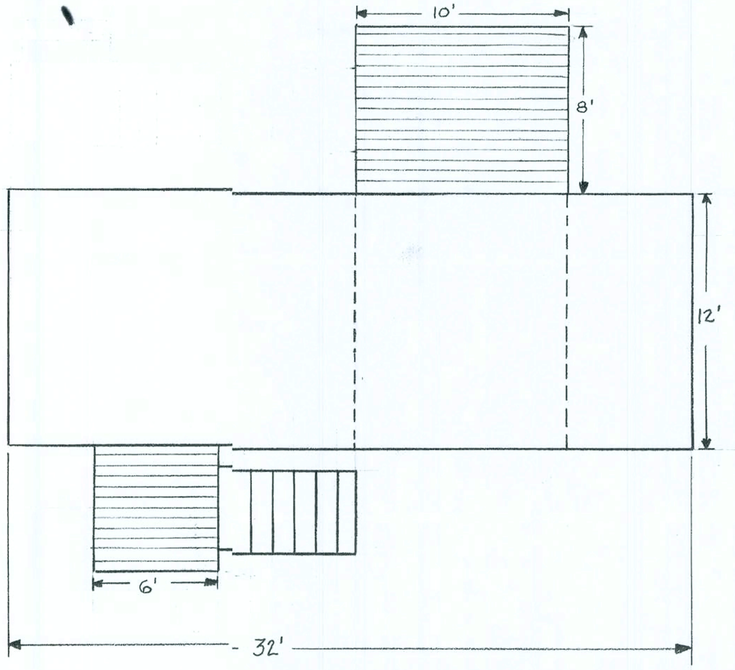


1/2" STEEL PLATE W/(4) #5 12" HOOKS WIELDED TO BASE OF PLATE SPACED EQUALY. PLATE TO BE TIED TO EXIST RIBAR IN CONC POUR.

16" SQ CMU PIER REINF'D W/(4) #5 W/ 12" HOOKS INTO CONCRETE AND FILLED SOLID W/ 3000 PSI CONCRETE.

36" J HOOKS IN 30" x 30" x 18" D. FTG. TIED TO RIBAR IN 16" SQ. CMU PIER

SCALE 1=50
STAIRS SHOWN TO BE PLACED AND CONSTRUCTED AS PER SOUTHERN BUILDING CODE

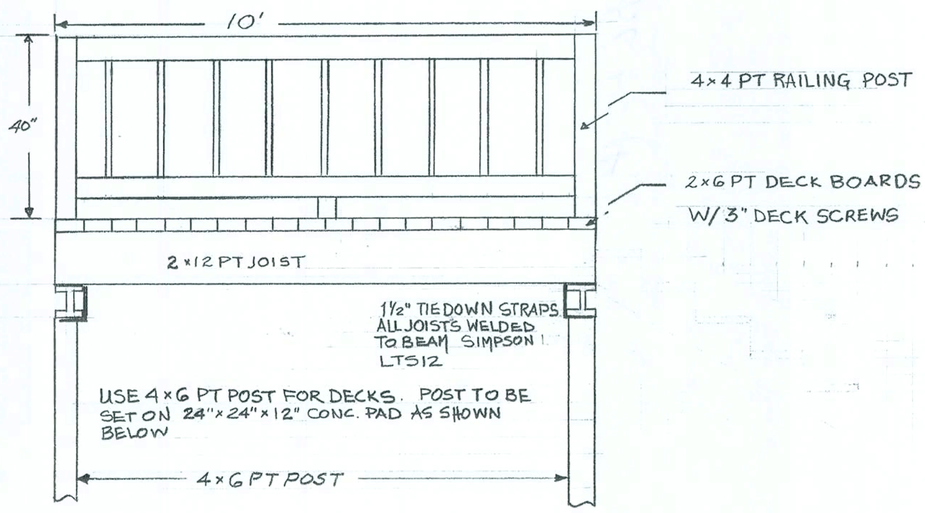


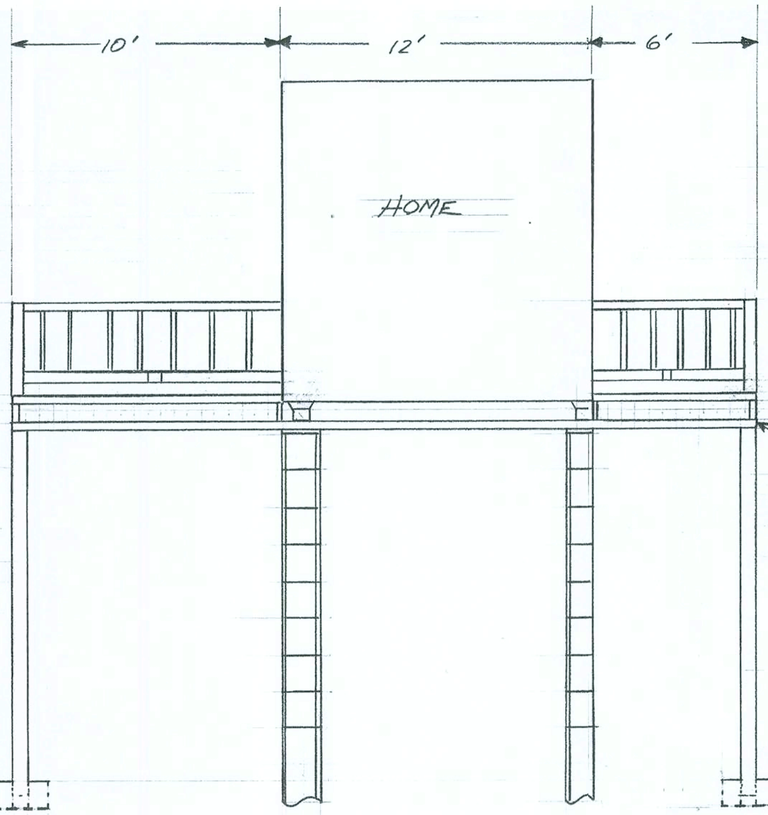
David Stiff
5 Sept 2012

ROBERT'S PROJECT

SCALE: VARIES	APPROVED BY:	DRAWN BY DAS
DATE: 5 AUG 2012		REVISED
		DRAWING NUMBER 2

FRONT SIDE OF HOME FACING RIVER
FRONT DECK 8'×10' AS SHOWN. DECK
TO CONFORM TO SOUTHERN BUILDING CODE



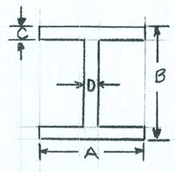


NOTE: DECK SHOWN W/O STAIRS 8×10 DECK FACING RIVER. CONTRACTOR TO BUILD DECKS & STAIRS AS PER SOUTHERN BUILDING CODE

I BEAM TO RUN LENGTH OF HOME AND DECKS 32'

4×6 PT POST SET IN 24"×24"×18" CONC. USE TAR ON POST AT SURFACE AND BELOW

A = 4"
B = 6"
C = 0.426"
D = 0.271"



I-BEAM SHOWN NOT TO SCALE. DIMENSION IN TABLE ARE ACTUAL. DIMENSION FROM AMERICAN STANDARD BEAMS

David Still
5 Sept 2012

ROBERT'S PROJECT

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COLUMBIA COUNTY BUILDING DEPARTMENT
REVIEWED FOR FIELD COPY CODE COMPLIANCE
PLANS EXAMINER

See Code Sections Attached

COLUMBIA COUNTY BUILDING DEPARTMENT
REVIEWED FOR FIELD COPY CODE COMPLIANCE
PLANS EXAMINER

David Still
24 Aug 2012

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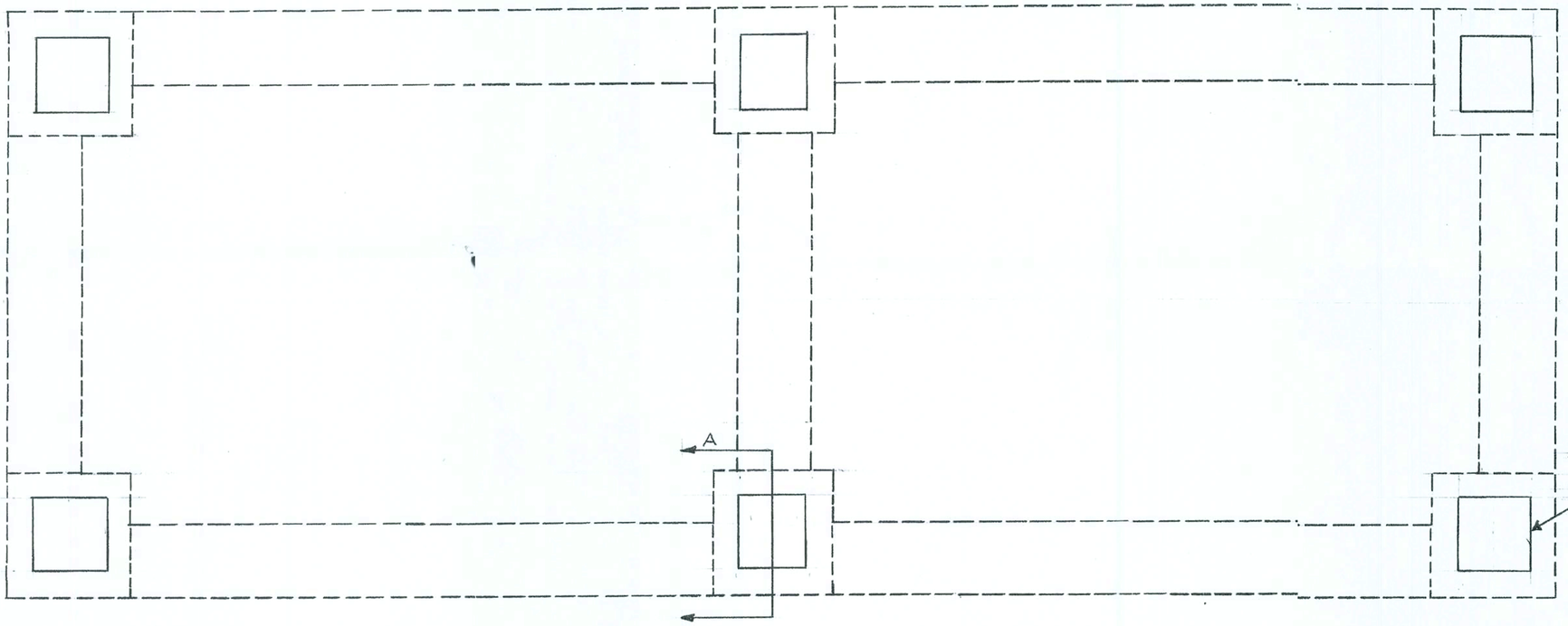

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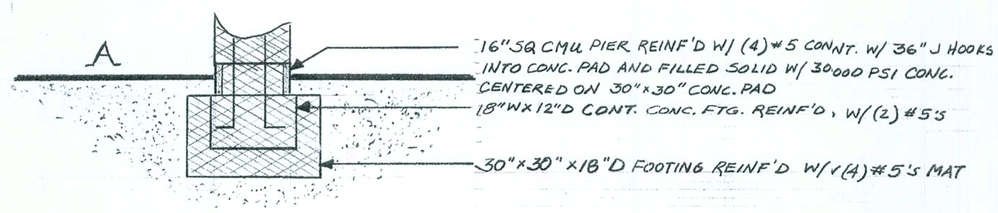

David Stiff
24 Aug 2012

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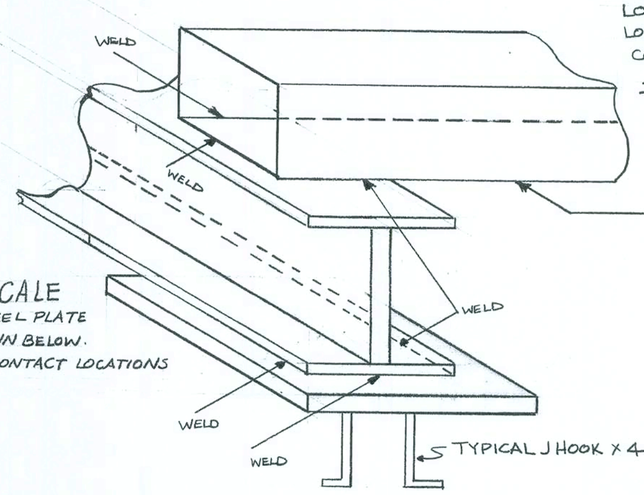
CONNECTION DETAIL



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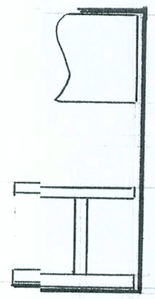
TYPICAL J HOOK X 4

TIE DOWN DETAIL



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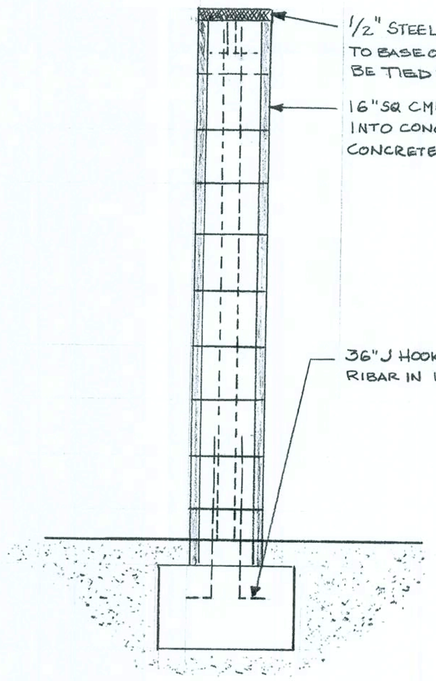

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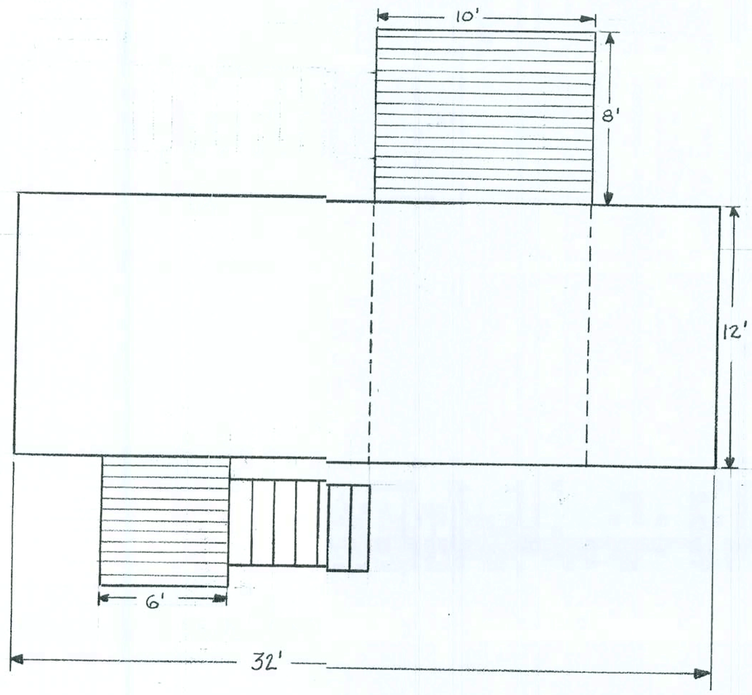

David Stitt
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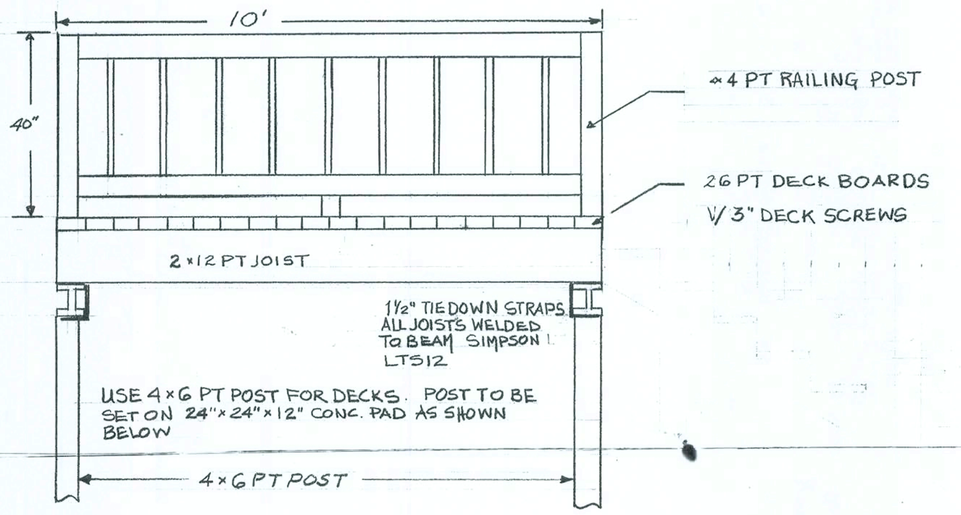

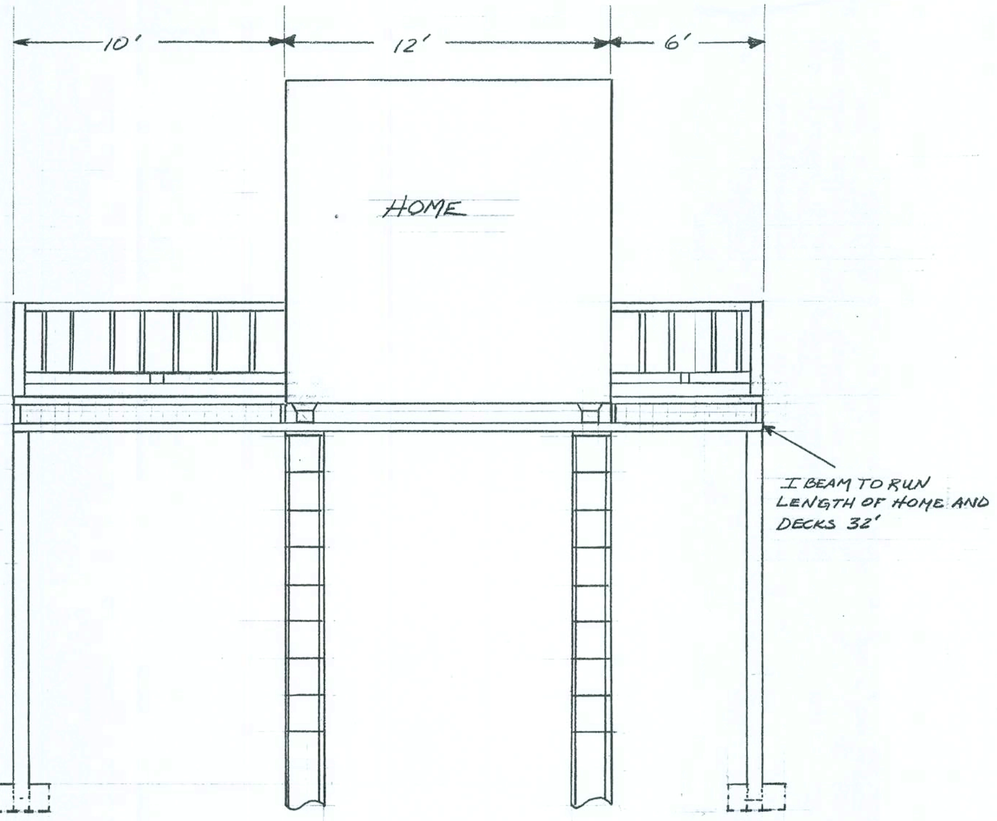

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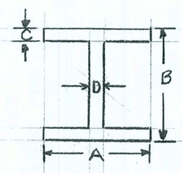

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SECTION R312 GUARDS

R312.1 Where required.
Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or *grade* below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a *guard*.

R312.2 Height.
Required *guards* at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads.

Exceptions:

1. *Guards* on the open sides of stairs shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the leading edges of the treads.

2. Where the top of the *guard* also serves as a handrail on the open sides of stairs, the top of the *guard* shall not be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the leading edges of the treads.

R312.3 Opening limitations.
Required *guards* shall not have openings from the walking surface to the required *guard* height which allow passage of a sphere 4 inches (102 mm) in diameter.

Exceptions:

1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a *guard*, shall not allow passage of a sphere 6 inches (153 mm) in diameter.

2. *Guards* on the open sides of stairs shall not have openings which allow passage of a sphere $4^{3}/_{8}$ inches (111 mm) in diameter.

R311.7.4 Stair treads and risers.
Stair treads and risers shall meet the requirements of this section. For the purposes of this section all dimensions and dimensioned surfaces shall be exclusive of carpets, rugs or runners.

R311.7.4.1 Riser height.
The maximum riser height shall be $7^{3}/_{4}$ inches (196 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than $^{3}/_{8}$ inch (9.5 mm).

R311.7.4.2 Tread depth.
The minimum tread depth shall be 10 inches (254 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than $^{3}/_{8}$ inch (9.5 mm). Consistently shaped winders at the walkline shall be allowed within the same flight of stairs as rectangular treads and do not have to be within $^{3}/_{8}$ inch (9.5 mm) of the rectangular tread depth.