

SAMPLE DRAWING



OAKVILLE  
BUILDING SERVICES

DECK BUILDING PERMIT

DRAWING NAME:  
SITE PLAN

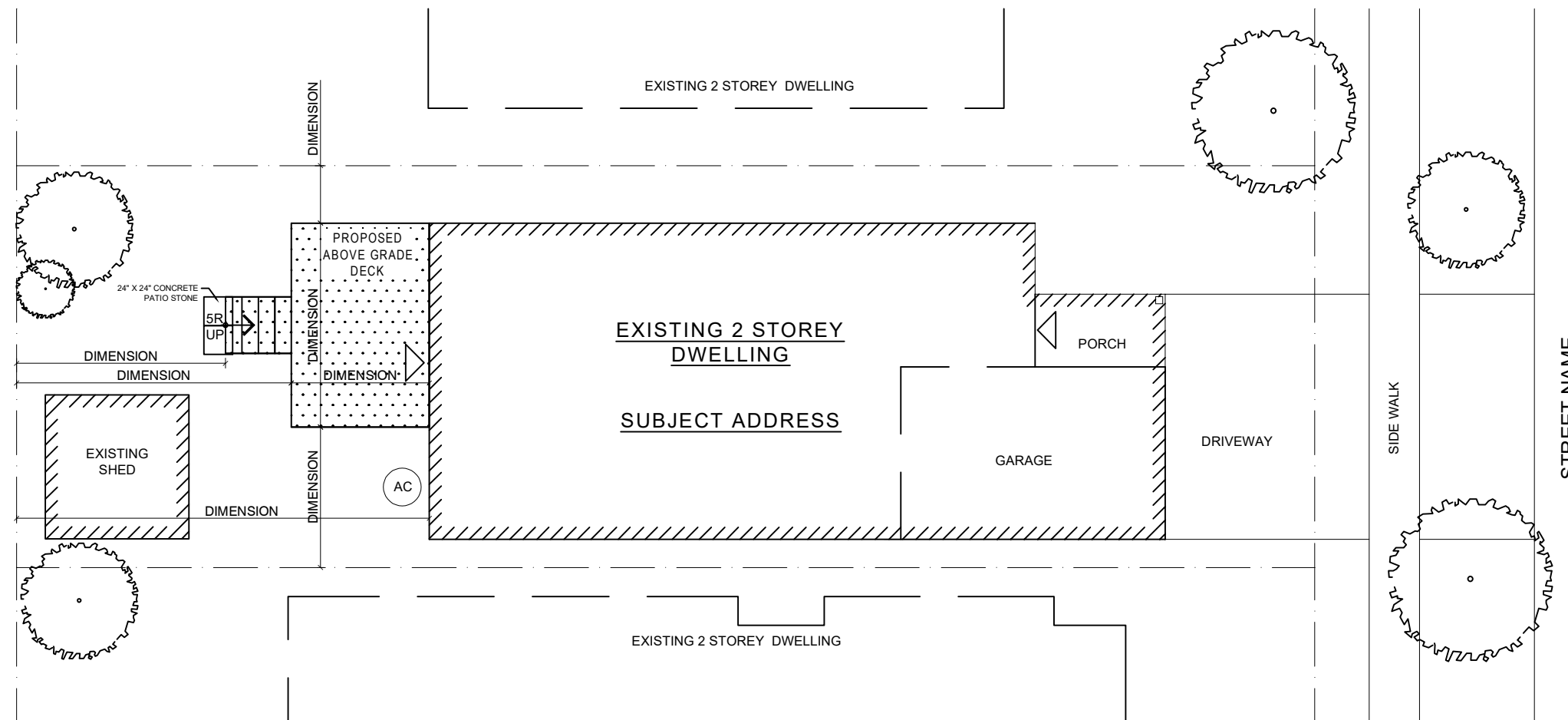
DRAWING MUST INCLUDE/SHOW (IF APPLICABLE):

**STRUCTURES:**  
-HOUSE (INCLUDING PORCH & EXTERIOR STAIRS)  
-ACCESSORY BUILDINGS (SHED/GARAGE)  
-DECK  
-POOL

**HARD LANDSCAPE SURFACES:**  
-DRIVEWAY  
-WALKWAYS/PATIOS

**SETBACKS:**  
-DECK TO PROPERTY LINES  
-REAR WALL OF HOUSE TO REAR PROPERTY LINE

**DIMENSIONS:**  
-DECK



1  
A-1  
SAMPLE SITE PLAN  
1/16" = 1'-0"

**NOTE:**  
THE ITEMS ON THIS DRAWING, INCLUDING DIMENSIONS, ARE BEING PROVIDED TO SHOW THE DRAWING REQUIREMENTS FOR THE SITE PLAN ONLY. THEY DO NOT NECESSARILY REFLECT THE ACTUAL TOWN OF OAKVILLE ZONING BY-LAW REQUIREMENTS FOR YOUR SPECIFIC PROPERTY.

**LEGEND:**

- — — — — PROPERTY LINE
- ////// EXISTING BUILDING/STRUCTURES
- ..... NEW BUILDING / STRUCTURE
- (with tree symbol) EXISTING TREE
- (with grid pattern) 24" X 24" CONCRETE PATIO STONE WALKWAY

No.	Revision/Issue	Date

DESIGNER INFORMATION:

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

ADDRESS:  
SUBJECT ADDRESS

SHEET SIZE: 11" X 17" SHEET NO. A-1

SCALE: AS NOTED

SAMPLE DRAWING



OAKVILLE  
BUILDING SERVICES

DECK BUILDING PERMIT

DRAWING NAME:  
DECK STRUCTURAL PLAN &  
DECK FLOOR PLAN

DRAWING MUST INCLUDE/SHOW (IF APPLICABLE):

- DECK STRUCTURAL PLAN:**
- FOOTING LOCATION AND SIZE
  - SUPPORT POST LOCATION AND SIZE
  - BEAM SPAN AND SIZE
  - JOIST SPAN, SIZE AND SPACING
  - LEDGER SIZE AND ATTACHMENT

- DIMENSIONS FOR:**
- JOIST/BEAM SPANS AND CANTILEVERS
  - FOOTING SPACING
  - OVERALL DECK

- DECK FLOOR PLAN:**
- SIZE AND SPAN DIRECTION OF DECK BOARDS
  - GUARD POST LOCATION AND SIZE

- DIMENSIONS FOR:**
- GUARD POST SPACING
  - STAIR WIDTH

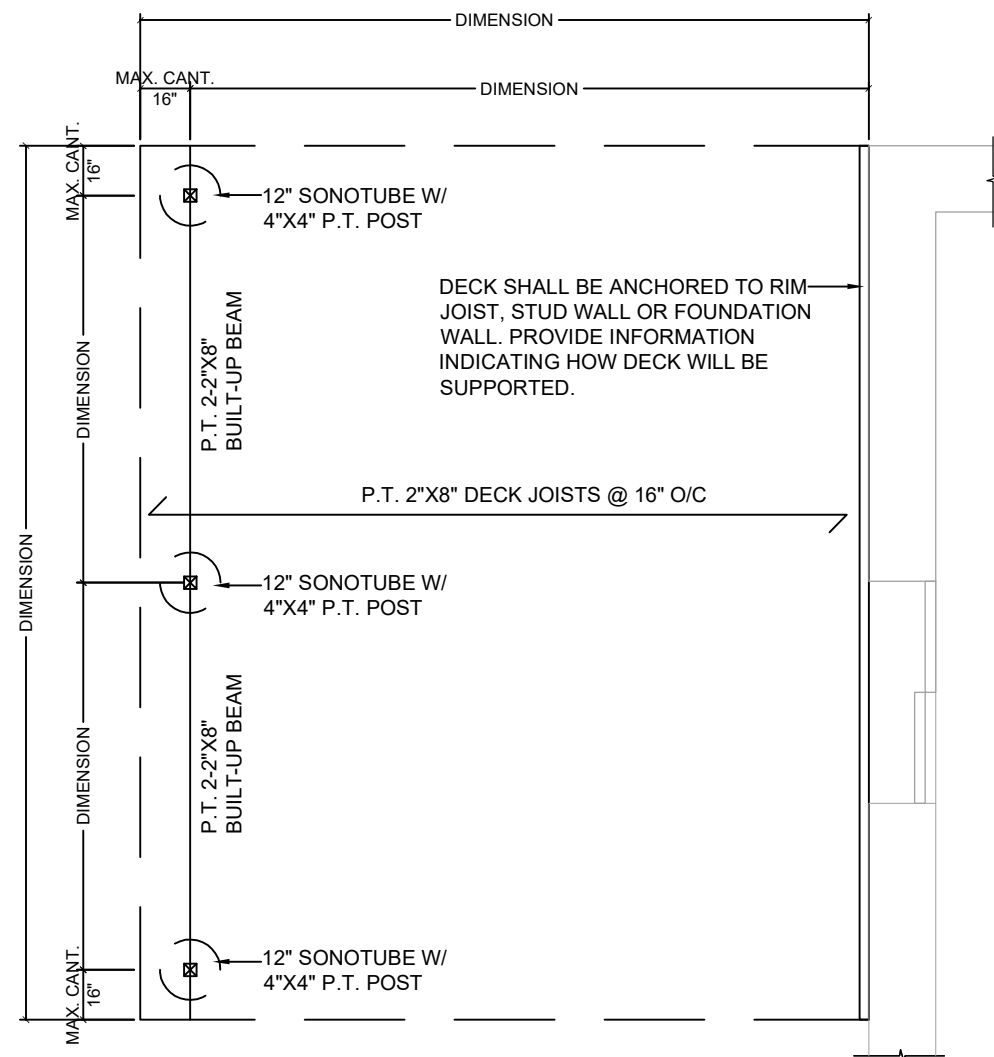
No.	Revision/Issue	Date

DESIGNER INFORMATION:

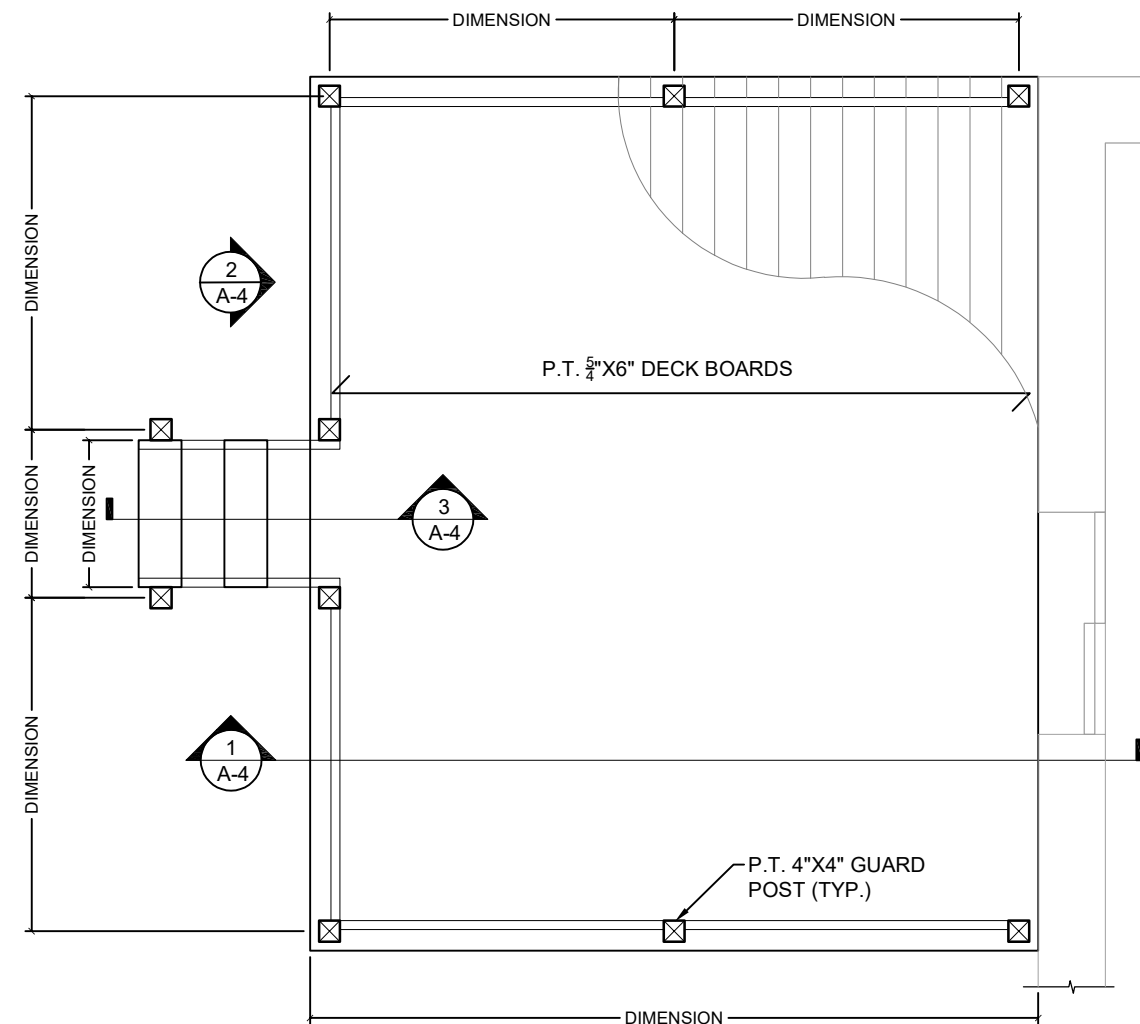
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SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

ADDRESS:  
SUBJECT ADDRESS \_\_\_\_\_

SHEET SIZE: 11" X 17" SHEET NO.  
SCALE: AS NOTED **A-2**



**1** DECK STRUCTURAL PLAN  
A-2 3/16" = 1'-0"



**2** DECK FLOOR PLAN  
A-2 3/16" = 1'-0"



1 DECK ELEVATION  
A-3 1/4" = 1'-0"

SAMPLE DRAWING



OAKVILLE  
BUILDING SERVICES

DECK BUILDING PERMIT

DRAWING NAME:  
DECK ELEVATION

DRAWING MUST INCLUDE/SHOW (IF APPLICABLE):

- DIMENSIONS FOR:  
 -HEIGHT OF DECK ABOVE GRADE  
 -OVERALL GUARD HEIGHT

No.	Revision/Issue	Date

DESIGNER INFORMATION:

NAME:  
SIGNATURE: DATE:

ADDRESS:  
SUBJECT ADDRESS

SHEET SIZE: 11" X 17"  
SCALE: AS NOTED

SHEET NO.  
**A-3**

SAMPLE DRAWING



OAKVILLE  
BUILDING SERVICES

DECK BUILDING PERMIT

DRAWING NAME:  
DECK SECTION

DRAWING MUST INCLUDE/SHOW (IF APPLICABLE):

- DECK SECTION:**
- FOOTING
  - SUPPORT POST AND METAL POST BASE
  - BEAM SIZE AND ATTACHMENT TO POST
  - LEDGER SIZE AND ATTACHMENT TO HOUSE

- DIMENSIONS FOR:**
- HEIGHT OF DECK ABOVE GRADE
  - OVERALL GUARD HEIGHT
  - FOOTING DEPTH BELOW GRADE

**TYPICAL GUARD DETAIL:**  
GUARDS ARE REQUIRED WHEN THE FINISHED DECK FLOOR IS 24" OR MORE ABOVE GRADE

-SIZE AND LOCATION OF POSTS, BOTTOM/TOP RAIL, TOP CAP AND PICKETS

**NOTE:** AN ENGINEERED STAMPED DETAILS IS REQUIRED FOR ANY GUARD SYSTEM:  
-THAT INCORPORATES ANY COMPONENT THAT IS NOT WOOD, OR  
-IS BUILT HIGHER THAN 3'-6" (SUCH AS A PRIVACY SCREEN SERVING AS A GUARD)

- DIMENSIONS FOR:**
- OVERALL GUARD HEIGHT
  - THE TOP AND BOTTOM OF ALL HORIZONTAL COMPONENTS OF THE GUARD (BOTTOM/TOP RAIL, CAP, ETC.)
  - SPACING BETWEEN PICKETS

**STAIR:**  
SIZE OF STRINGER, TREADS AND RISERS  
-GUARD POST LOCATION AND SIZE

- DIMENSIONS FOR:**
- OVERALL STAIR GUARD HEIGHT
  - STAIR RISE, RUN AND TREAD DEPTH
  - EFFECTIVE DEPTH OF STAIR STRINGER

No.	Revision/Issue	Date

DESIGNER INFORMATION:

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SIGNATURE: \_\_\_\_\_

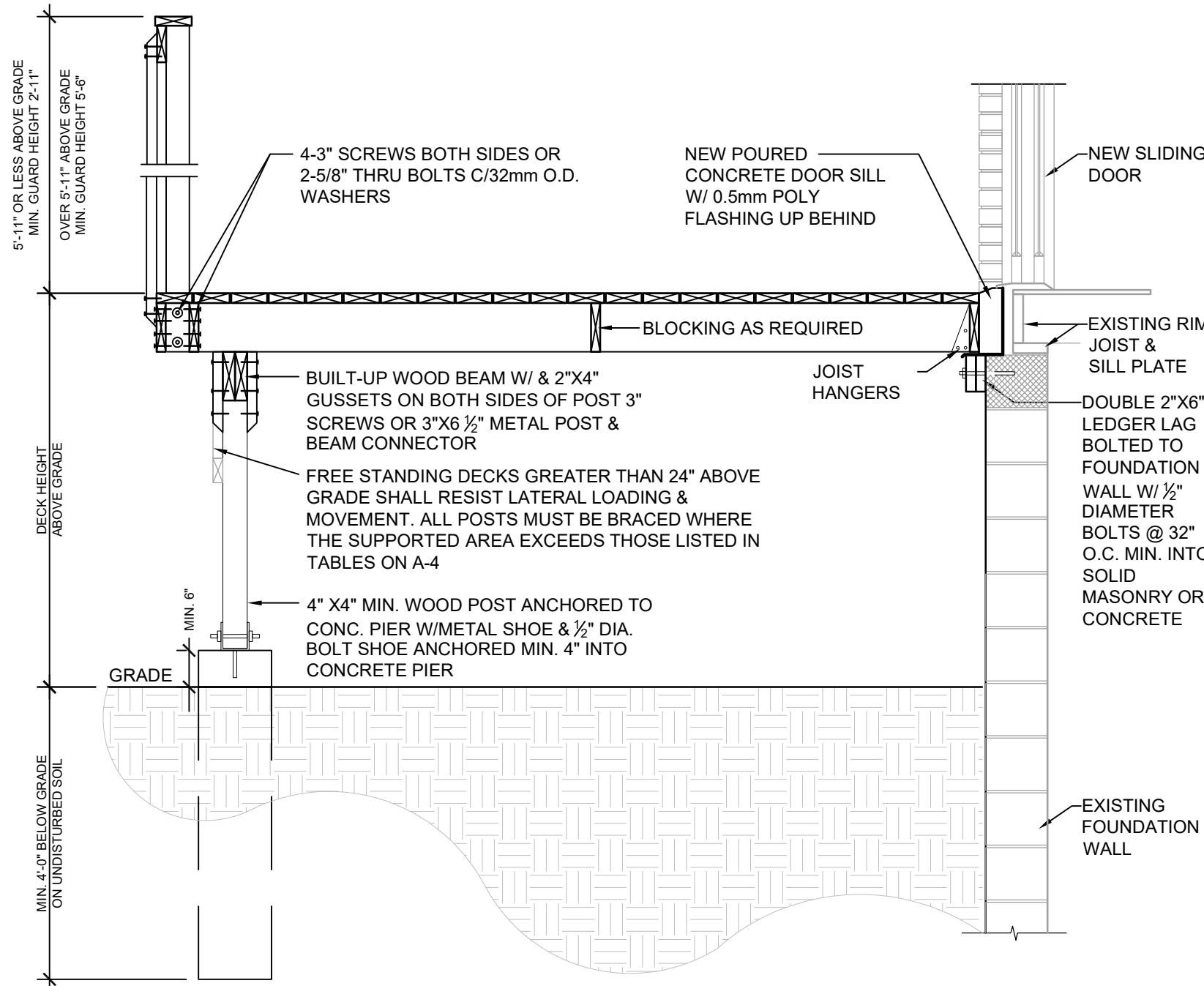
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SUBJECT ADDRESS \_\_\_\_\_

SHEET SIZE: 11" X 17"

SCALE: AS NOTED

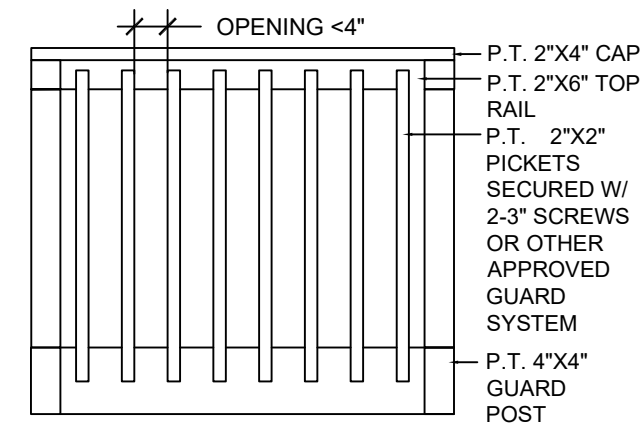
SHEET NO.

**A-4**

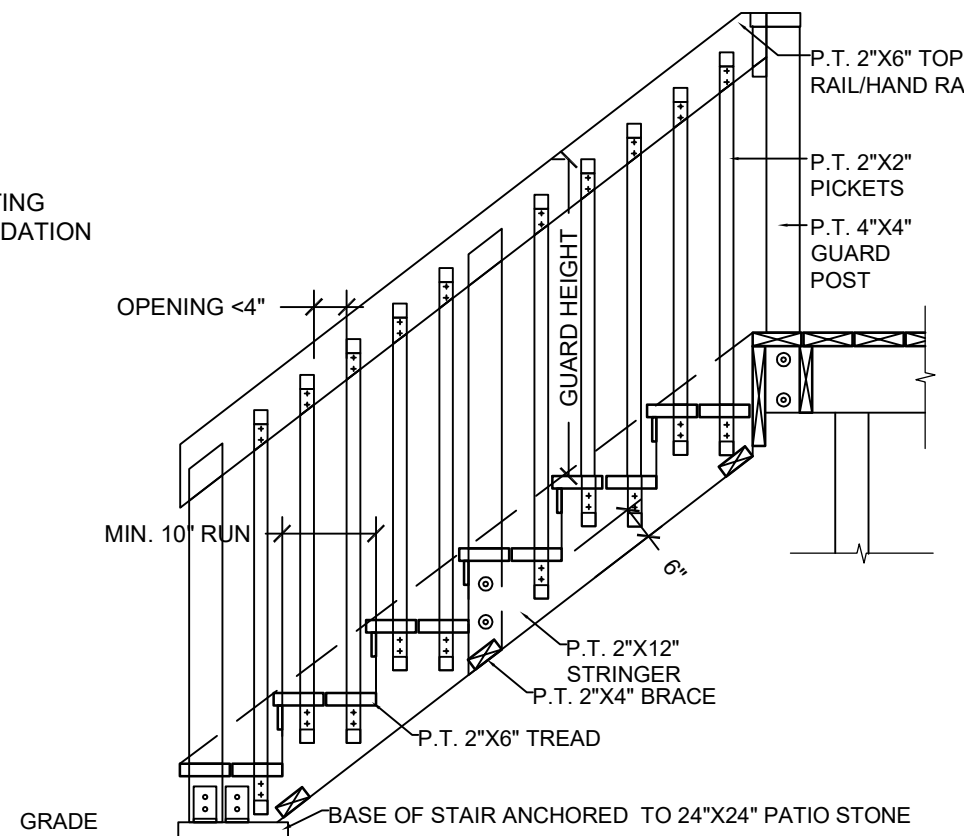


**1** DECK SECTION  
A-4 3/16" = 1'-0"

**NOTE:** AN ENGINEERED STAMPED DETAILS IS REQUIRED FOR ANY GUARD SYSTEMS:  
- THAT INCORPORATES ANY COMPONENT THAT IS NOT WOOD, OR  
- IS BUILT HIGHER THAN 3'-6" (SUCH AS A PRIVACY SCREEN SERVING AS GUARD)



**2** TYPICAL WOOD GUARD DETAIL  
A-4 1/2" = 1'-0"



**3** STAIR SECTION  
A-4 1/2" = 1'-0"



DECK BUILDING PERMIT

DRAWING NAME:  
**FOOTING OPTIONS &  
STRUCTURAL SIZING INFO.**

DRAWING MUST INCLUDE/SHOW (IF APPLICABLE):

- FOOTING NOTES:**
- MINIMUM DEPTH OF BELLED/PAD FOOTING IS THE GREATER OF 4" OR THE PROJECTION 'P' OF THE BELLED/PAD FOOTING BEYOND THE POST/PIER
  - POST BEARING ON PAD FOOTING REQUIRES 2-2"x4" P.T. CLEATS FASTENED TO OPPOSITE SIDES OF THE POST WITH MIN. 3-3 1/2" GALVANIZED NAILS TO RESIST UPLIFT. CLEATS SHALL EXTEND MIN. 2" PAST EITHER SIDE OF POST
  - BURIED PRESSURE TREATED POST MUST BE RATED FOR GROUND CONTACT
  - OPTIONAL CONCRETE BACKFILL AROUND POST
  - POST SADDLE ANCHORED TO CONCRETE/STEEL HELICAL PIER/PILE.

**FOOTING SIZING NOTES:**  
DECKS FOOTING SUPPORTING ROOF OR OTHER STRUCTURES (HOT TUB, ETC.) MUST INCLUDE THE WEIGHT OF THESE STRUCTURES IN THE FOOTING DESIGN.  
-ROOF LOADING CAN BE TAKEN AT 30 LBS/FT2

- JOIST/BREAM SPAN NOTES:**  
WHERE A DECK IS 2'-0" OR MORE ABOVE GRADE AND REQUIRES A GUARD OR WHERE A GUARD IS PROVIDED (BUT NOT REQUIRED) ON A LOWER DECK, THE MINIMUM FLOOR JOISTS SIZE IS 2'-8"

No.	Revision/Issue	Date
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DESIGNER INFORMATION:

NAME:  
SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

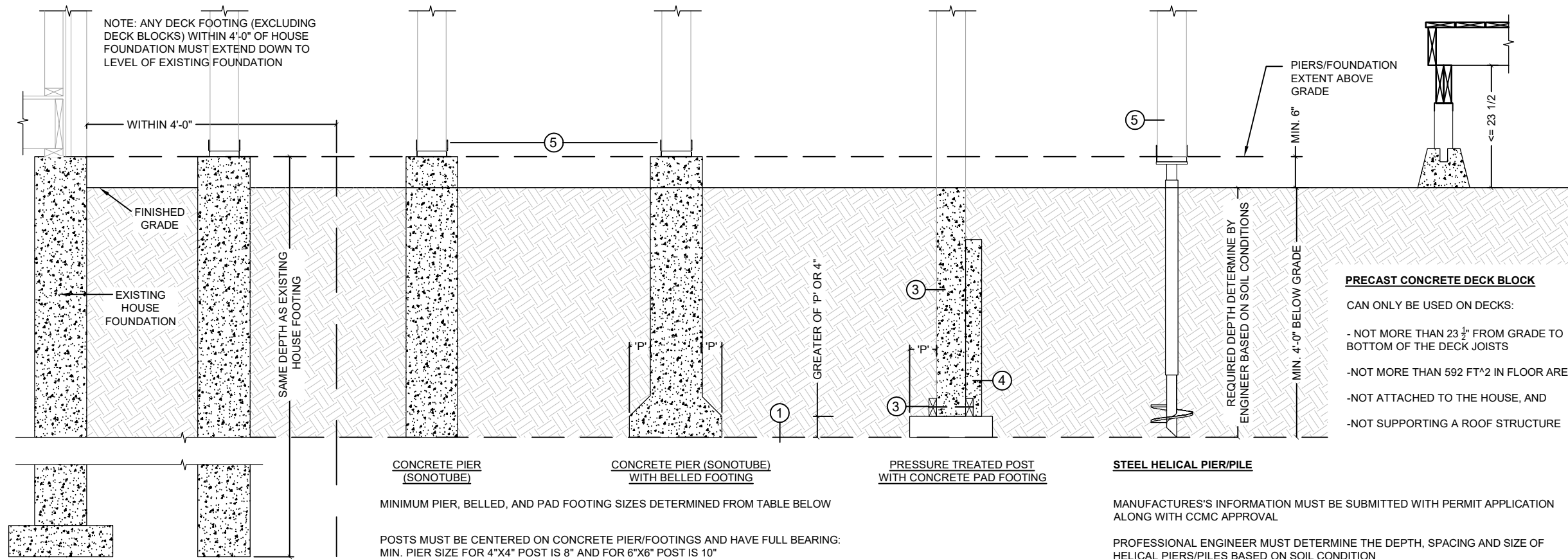
ADDRESS:  
SUBJECT ADDRESS

SHEET SIZE: 11" X 17"

SCALE: AS NOTED

SHEET NO.

**A-5**



**1 DECK FOOTING OPTIONS**  
A-5 N.T.S

**REQUIRED DECK FOOTINGS CAPACITY**

FOOTING LOAD= SUPPORTED BEAM LENGTH X SUPPORTED JOIST LENGTH X 40 LBS/FT<sup>2</sup> (DECK LOAD)

USE FOOTING/PIER SIZING TABLE BELOW TO DETERMINE MINIMUM FOOTING SIZE BASED ON FOOTING LOAD

EXAMPLE (MIDDLE FOOTING):  
SUPPORTED BEAM LENGTH= 8FT  
SUPPORTED JOIST LENGTH= 7FT  
FOOTING LOAD= 8 FT X 7 FT X 40 LBS/FT<sup>2</sup> =2240 LBS  
MIDDLE FOOTING WOULD REQUIRE MIN. 16" ROUND FOOTING OR 14" SQUARE FOOTING

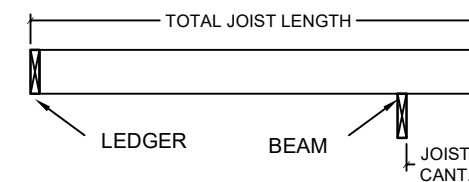
**FOOTING/ PIER SIZING TABLE**

MINIMUM FOOTING SIZE	MAX. FOOTING CAPACITY	
	ROUND (DIA.)	SQUARE
8"	729 LBS	928 LBS
10"	1139 LBS	1150 LBS
12"	1640 LBS	2089 LBS
14"	2233 LBS	2843 LBS
16"	2916 LBS	3713 LBS
18"	3691 LBS	4699 LBS

NOTE: MAX. FOOTING CAPACITY BASED ON A SOIL BEARING CAPACITY OF 2000 LBS/FT<sup>2</sup>

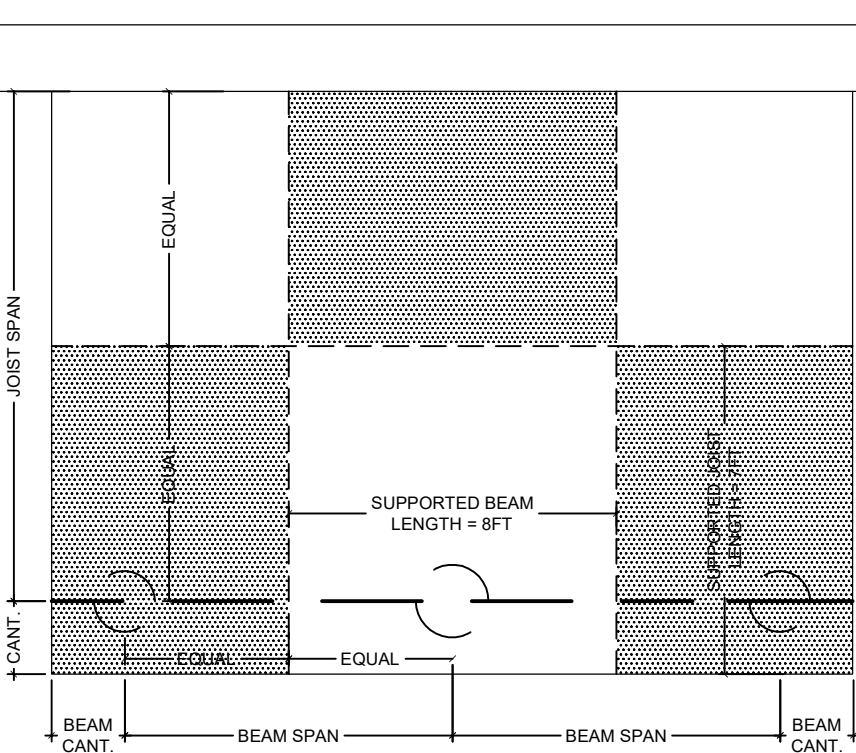
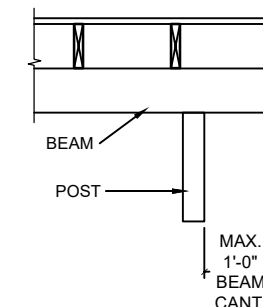
**FLOOR JOIST SPAN TABLE**

JOIST SIZE	SPACING (o/c)	MAX. JOIST SPAN	MAX. JOIST CANTILEVER
2"x6"	12"	10'-4"	NOT PERMITTED
	16"	9'-4"	
	24"	8'-2"	
2"x8"	12"	12'-5"	LESSER OF 16" OR 1/2 OF TOTAL JOIST LENGTH
	16"	11'-9"	
2"x10"	12"	14'-6"	LESSER OF 24" OR 1/2 OF TOTAL JOIST LENGTH
	16"	13'-9"	
	24"	12'-10"	
2"x12"	12"	16'-4"	
	24"	15'-5"	



**BEAM SPAN TABLE**

SUPPORTED JOIST LENGTH	MAX. 2-PLY BEAM SPAN				MAX. 3-PLY BEAM SPAN			
	2"x6"	2"x8"	2"x10"	2"x12"	2"x6"	2"x8"	2"x10"	2"x12"
4'-0"	8'-0"	10'-4"	12'-7"	14'-7"	9'-7"	12'-7"	16'-1"	19'-7"
6'-0"	6'-10"	8'-4"	10'-4"	11'-9"	8'-4"	11'-0"	14'-1"	17'-1"
8'-0"	5'-11"	7'-2"	8'-10"	10'-3"	7'-7"	10'-0"	11'-10"	14'-1"
10'-0"	5'-3"	6'-5"	7'-10"	9'-2"	7'-1"	9'-4"	10'-10"	12'-7"
12'-0"	4'-10"	5'-11"	7'-2"	8'-4"	6'-8"	8'-7"	9'-10"	11'-6"
14'-0"	4'-6"	5'-5"	6'-8"	7'-9"	6'-4"	7'-11"	9'-2"	10'-8"



**2 CALCULATING FOOTING SUPPORTING AREA AND MINIMUM FOOTING SIZE**  
A-5 N.T.S

**3 STRUCTURAL SIZING TABLES**  
A-5 N.T.S