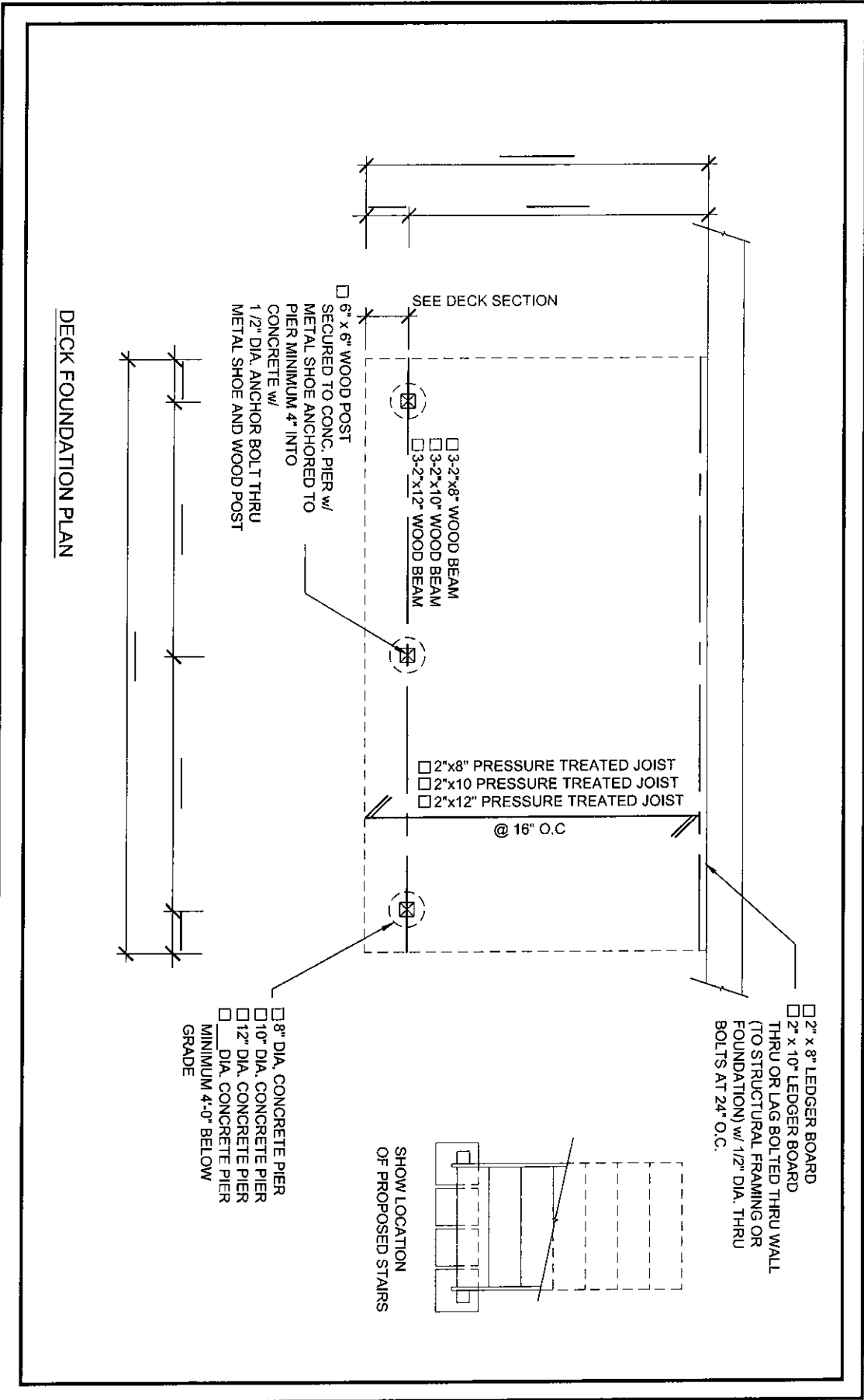


SITE PLAN

SCALE 1:200

SKETCH OF SURVEY OF LOT # _____ CONC _____

SAMPLE



DECK FOUNDATION PLAN

SEE DECK SECTION

6" x 6" WOOD POST
 SECURED TO CONC. PIER w/
 METAL SHOE ANCHORED TO
 CONCRETE w/
 PIER MINIMUM 4" INTO
 1/2" DIA. ANCHOR BOLT THRU
 METAL SHOE AND WOOD POST

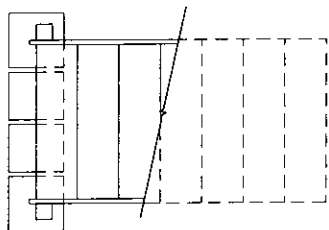
3-2"x8" WOOD BEAM
 3-2"x10" WOOD BEAM
 3-2"x12" WOOD BEAM

2"x8" PRESSURE TREATED JOIST
 2"x10 PRESSURE TREATED JOIST
 2"x12" PRESSURE TREATED JOIST
 @ 16" O.C

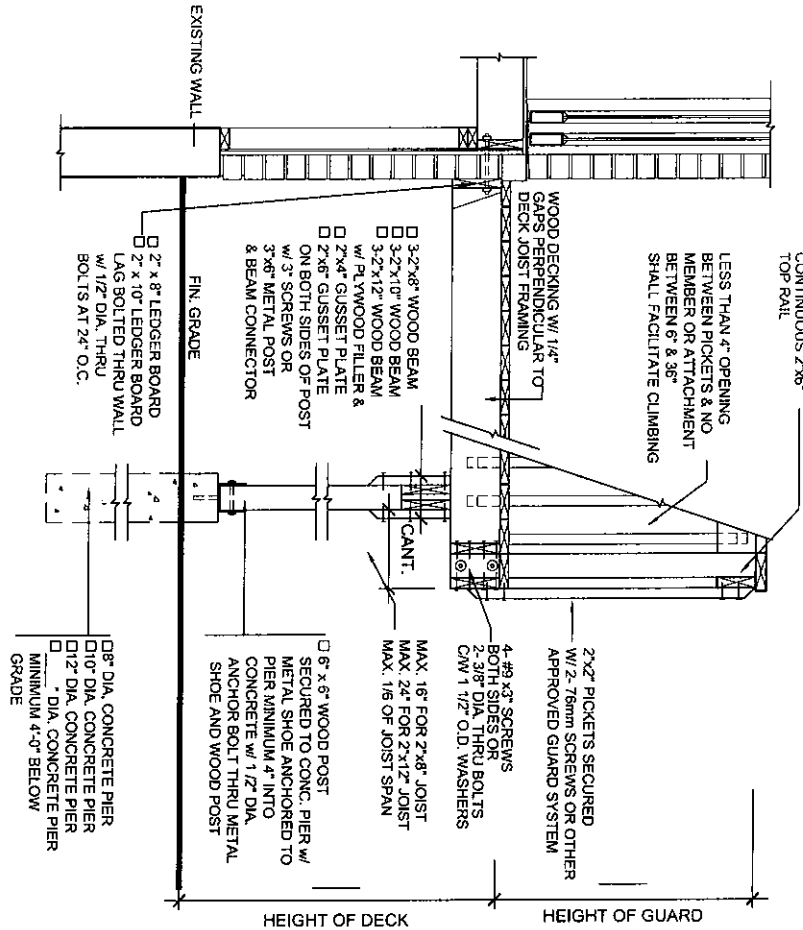
2" x 8" LEDGER BOARD
 2" x 10" LAG BOLTED THRU WALL
 (TO STRUCTURAL FRAMING OR
 FOUNDATION) w/ 1/2" DIA. THRU
 BOLTS AT 24" O.C.

8" DIA. CONCRETE PIER
 10" DIA. CONCRETE PIER
 12" DIA. CONCRETE PIER
 DIA. CONCRETE PIER
 MINIMUM 4'-0" BELOW
 GRADE

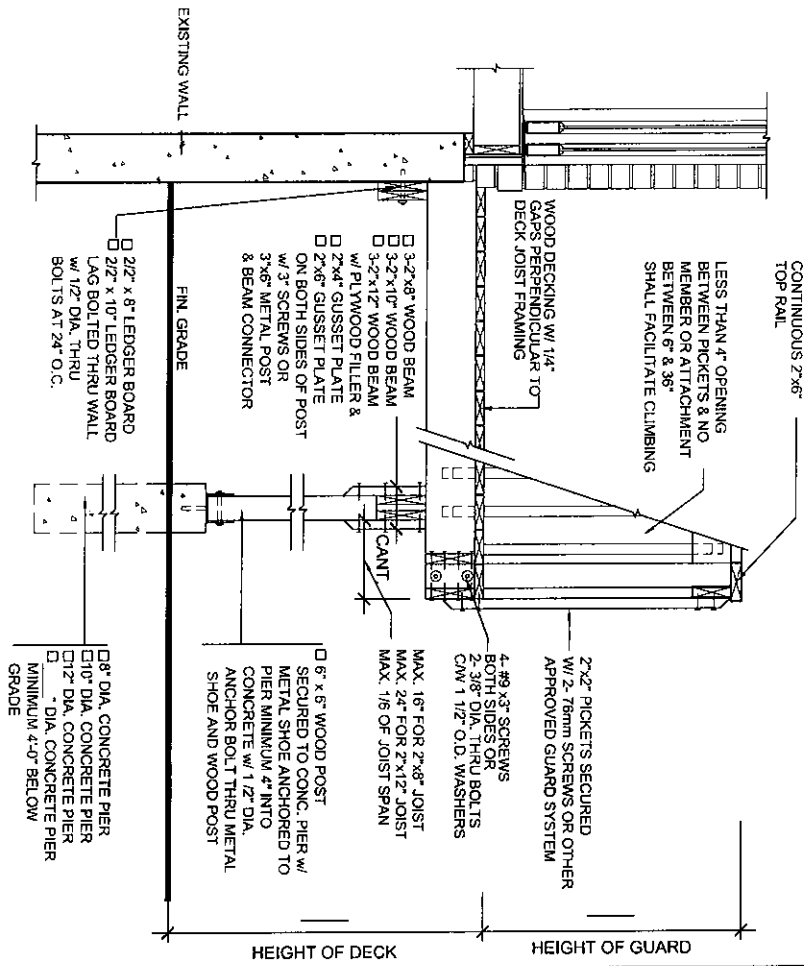
SHOW LOCATION
 OF PROPOSED STAIRS



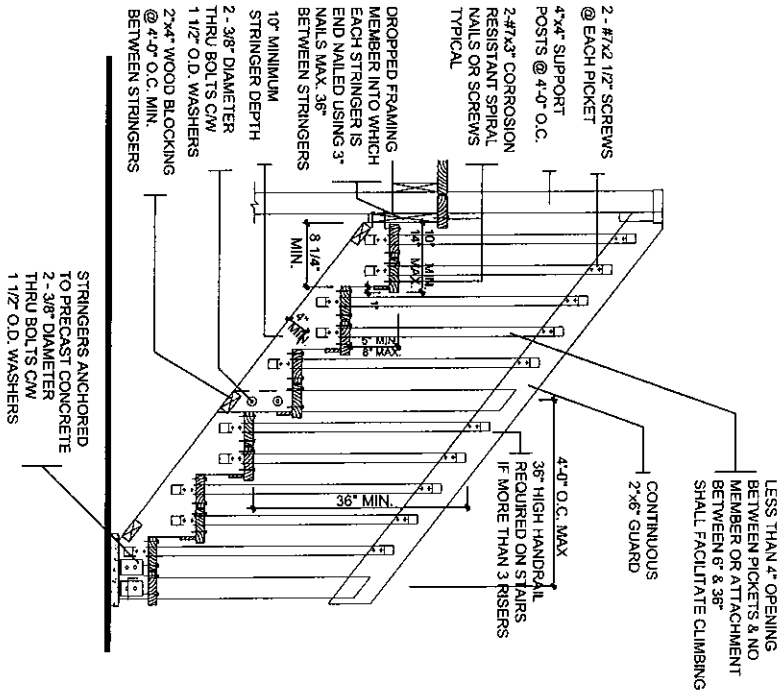
DECK SECTION for WOOD FRAMED WALLS



DECK SECTION FOR FOUNDATION WALLS



SECTION THRU STAIRS



Town of
East Gwillimbury

TITLE

DECK LAYOUT

DESIGN BY:

PRINT NAME

SIGNATURE

SCALE:

BEAM SIZING TABLE

SUPPORTED JOIST LENGTH (ft)	LIVE LOAD 1.9 kPa			LIVE LOAD 2.5 kPa			LIVE LOAD 3.0 kPa		
	PIER SPACING (ft.)			PIER SPACING (ft.)			PIER SPACING (ft.)		
	6'-7" (2.0m)	9'-10" (3.0m)	13'-1" (4.0m)	6'-7" (2.0m)	9'-10" (3.0m)	13'-1" (4.0m)	6'-7" (2.0m)	9'-10" (3.0m)	13'-1" (4.0m)
4'-11" (1.5m)	2/2"x6"	2/2"x8"	3/2"x10"	2/2"x6"	3/2"x8"	3/2"x10"	3/2"x6"	2/2"x10"	2/2"x12"
6'-7" (2.0m)	2/2"x6"	3/2"x8"	3/2"x10"	2/2"x8"	2/2"x10"	3/2"x12"	2/2"x8"	2/2"x10"	3/2"x12"
8'-2" (2.5m)	2/2"x8"	2/2"x10"	3/2"x12"	2/2"x8"	3/2"x10"	3/2"x12"	2/2"x8"	3/2"x10"	4/2"x12"
9'-10" (3.0m)	2/2"x8"	2/2"x10"	3/2"x12"	2/2"x8"	3/2"x10"	4/2"x12"	2/2"x8"	3/2"x10"	4/2"x12"
11'-6" (3.5m)	2/2"x8"	3/2"x10"	3/2"x12"	2/2"x8"	3/2"x10"	4/2"x12"	3/2"x8"	3/2"x10"	N/A
13'-1" (4.0m)	2/2"x8"	3/2"x10"	4/2"x12"	2/2"x8"	3/2"x12"	N/A	3/2"x8"	3/2"x12"	N/A

JOIST SIZING TABLE

JOIST SPAN (ft.)	LIVE LOAD 1.9 kPa			LIVE LOAD 2.5 kPa			LIVE LOAD 3.0 kPa		
	JOIST SPACING (inches)			JOIST SPACING (inches)			JOIST SPACING (inches)		
	12"	16"	24"	12"	16"	24"	12"	16"	24"
6'-7" (2.0m)	2"x6"	2"x6"	2"x6"	2"x6"	2"x6"	2"x6"	2"x6"	2"x6"	2"x6"
8'-2" (2.5m)	2"x6"	2"x6"	2"x8"	2"x6"	2"x6"	2"x8"	2"x6"	2"x8"	2"x8"
9'-10" (3.0m)	2"x6"	2"x8"	2"x8"	2"x8"	2"x8"	2"x10"	2"x8"	2"x8"	2"x10"
11'-6" (3.5m)	2"x8"	2"x8"	2"x10"	2"x8"	2"x10"	2"x10"	2"x10"	2"x10"	2"x10"
13'-1" (4.0m)	2"x10"	2"x10"	2"x12"	2"x10"	2"x10"	2"x12"	2"x10"	2"x10"	2"x12"

FOOTING SIZES

SOIL BEARING CAPACITIES (kPa)	
SOIL TYPE	BEARING PRESSURE (kPa)
SOFT CLAY	40
LOOSE SAND OR GRAVEL	50
FIRM CLAY	75
DENSE OR COMPACT SILT	100
STIFF CLAY	150
DENSE COMPACT SAND OR GRAVEL	150
TILL	200
CLAY SHALE	300
SOUND ROCK	500

PIER SIZES

DIAMETER (inches)	sq. ft.
8" (200mm)	0.32 sq.ft. (0.03m ²)
10" (250mm)	0.53 sq.ft. (0.05m ²)
12" (300mm)	0.86 sq.ft. (0.08m ²)
14" (350mm)	1.07 sq.ft. (0.10m ²)
16" (400mm)	1.4 sq.ft. (0.13m ²)
20" (500mm)	2.15 sq.ft. (0.20m ²)
24" (600mm)	3.22 sq.ft. (0.30m ²)

POST SIZING TABLE

POST SIZE (inches)	MAXIMUM HEIGHT (ft.)	MAX. SUPPORTED DECK AREA (sq.ft.)		
		LIVE LOAD (kPa)		
		1.9	2.5	3.0
4"x4"	3'-3" (1.0m)	116.9	93.7	80.5
	4'-11" (1.5m)	63.8	51.2	44.0
	6'-7" (2.0m)	33.9	27.2	23.4
6"x6"	6'-7" (2.0m)	147.1	118.2	101.5
	8'-2" (2.5m)	100.3	80.5	69.2
	9'-10" (3.0m)	68.3	54.9	47.1
	11'-6" (3.5m)	47.5	38.1	32.7

GENERAL NOTES

1. A MINIMUM LIVE LOAD OF 1.9 (kPa) SHALL BE APPLIED IN ALL LOCATIONS.
2. THE PRESCRIBED SNOW LOAD FOR 225 SELECTED ONTARIO LOCATIONS IS INDICATED IN COLUMN 12 OF TABLE 1.2 IN SUPPLEMENTARY GUIDELINE SB-1 OF THE ONTARIO BUILDING CODE. THE SNOW LOAD SHALL BE APPLIED AS THE MINIMUM LIVE LOAD WHERE IT IS GREATER THAN 1.9 (kPa)
3. A SITE PLAN OR SURVEY IS REQUIRED SHOWING ALL LOT LINES & DIMENSIONS, SIZE & LOCATION OF ALL EXISTING BUILDINGS & DECKS.
4. LUMBER NO. 2 SPF OR BETTER WOOD POSTS MIN. 88x89 (SOLID). USE CORROSION RESISTANT SPIRAL NAILS OR SCREWS.
5. A DECK IS NOT PERMITTED TO BE SUPPORTED ON BRICK VENEER.
6. CANTILEVERED JOISTS AND BEAMS ARE LIMITED TO 1/8 THE MEMBERS LENGTH.
7. CONCRETE PIERS SHALL BEAR ON UNDISTURBED SOIL. THE BEARING CAPACITY OF THE SOIL SHALL BE DETERMINED PRIOR TO CONSTRUCTION.
8. MAXIMUM HEIGHT REFERS TO THE HEIGHT OF THE POST FROM THE TOP OF THE PIER TO THE DECK SURFACE.
9. BEAMS WITH MORE THAN 2 MEMBERS MUST BE SUPPORTED BY 6"x6" POSTS.
10. THE ALLOWABLE SOIL BEARING PRESSURE SHALL BE REDUCED BY 50% WHILE THE WATER IS AT OR NEAR THE BOTTOM OF THE FOOTING EXCAVATION.
11. CONTACT YOUR LOCAL BUILDING DEPARTMENT FOR FURTHER INFORMATION ABOUT LOCAL SOIL BEARING CAPACITIES.
12. JOISTS SPANNING MORE THAN 6'-10" (2.1m) ARE TO HAVE BRIDGING AT LEAST EVERY 6'-10" (2.1m) O.C..



Town of
East Gwillimbury

TITLE

TABLES & NOTES

DESIGN BY:

PRINT NAME _____

SIGNATURE _____

SCALE: