



PLANT LAYOUT *DISTRIBUCION DE PLANTAS*

Using Scaled Drawings in the Field
Usando Dibujos a Escala en el Campo

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PLANT LAYOUT *DISTRIBUCION DE PLANTAS*

- FIELD DOCUMENTS AND DRAWINGS
DOCUMENTOS DE CAMPO Y DIBUJO
- SITE IMPLEMENTATION
IMPLEMENTACION DEL SITIO
- POINTERS
PUNTEROS

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PLANT LAYOUT

DISTRIBUCION DE PLANTAS

- PLAN (PLANO)
 - Determine the types of plants being used (*Determina el tipo de plantas que se utilizara*)
 - Determine the symbols for each type (*Determina el simbolo para cada tipo*)
 - Determine the number of plants being used for each type (*Determina el numero de plantas que se utilizaran por cada tipo*)
- SCALE (ESCALA)
 - Determine the spacing for plants based on relative fixed points (*Determina el espaciamiento de las plantas base en puntos fijos relativos*)
 - Edges of existing objects or relative to other plants / objects listed (*Bordes de objetos existentes o relativos a otra plantas/ objetos enumerados*)

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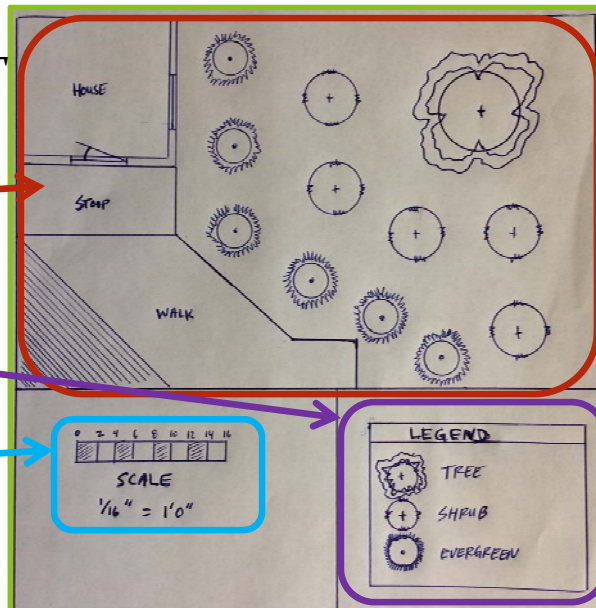
PLANT LAYOUT

DISTRIBUCION DE PLANTAS

PLAN
PLANO

LEGEND
LEYENDA

SCALE
ESCALA



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PLANT LAYOUT

DISTRIBUCION DE PLANTAS

PLAN

PLANO

LEGEND

LEYENDA

SCALE

ESCALA

5

PLANT LAYOUT

DISTRIBUCION DE PLANTAS

PLAN

PLANO

LEGEND

LEYENDA

SCALE

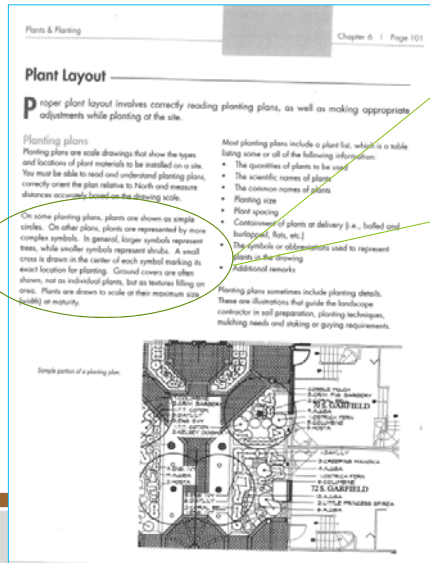
ESCALA

Planting plans are scale drawings that show the **types** and **locations** of plant materials to be installed on site (Los planes de plantacion son dibujos a escala que muestran los **tipos** y **ubicaciones** de los materiales vegetales que se instalaran en el sitio)

- Orient the drawing relative to North (Orientar el dibujo en relacion con el Norte)
 - Applies in the field (Aplica en el campo)
 - May also be Oriented based on a position relative to a near by object (Tambien puede orientarse en funcion de una posicion relative a un objeto cercano)
- Measure distances accurately based on the drawing's given scale (Medir las distancias con precision basandose en la escala dada del dibujo)

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PLANT LAYOUT DISTRIBUCION DE PLANTAS



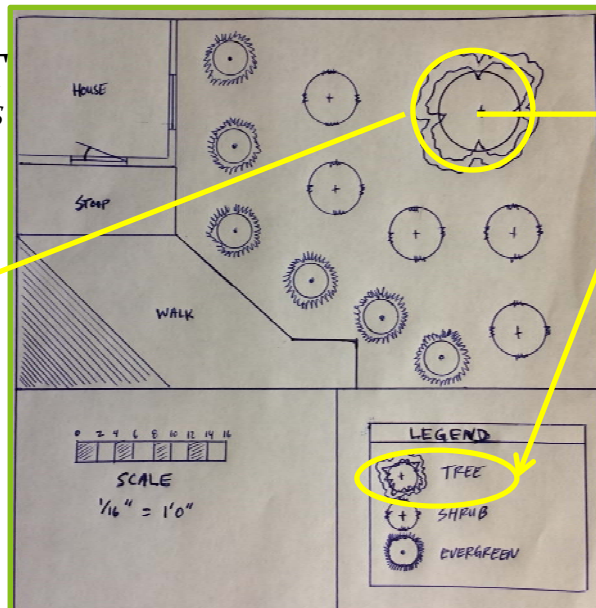
Planting plans show plants as **symbols**
(Los planes de plantacion muestran las plantas como simbolos)

- A. Simple circles (Circulos simples)
- B. More complex (Mas complejo)

-USE THE MIDDLE OF THE SYMBOL TO DETERMINE THE CENTER OF THE PLANT TO BE LOCATED (HUSA EL MEDIO DEL SIMBOLO PARA DETERMINAR EL CENTRO DE LA PLANTA)
-- since symbols edges will vary and can be irregularly shaped (ya que los bordes de los simbolos pueden variar y pueden tener forma irregular)

PLANT LAYOUT DISTRIBUCION DE PLANTAS

**LOCATION
LOCACION**



**TYPE
TIPO**



PLANT LAYOUT

DISTRIBUCION DE PLANTAS

SCALE $1/4" = 1' 0"$

0 2 4 6 8 FT

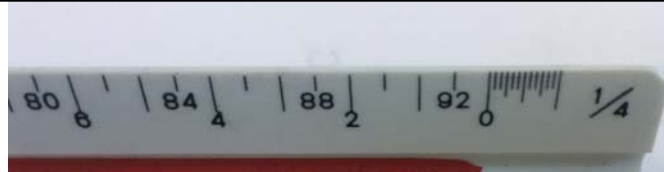


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PLANT LAYOUT

DISTRIBUCION DE PLANTAS



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PLANT LAYOUT

DISTRIBUCION DE PLANTAS

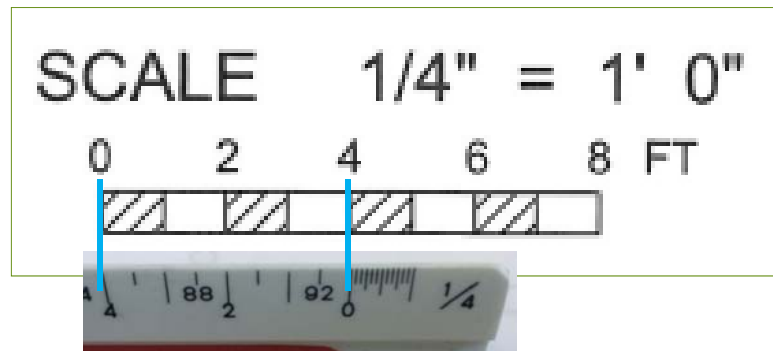


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PLANT LAYOUT

DISTRIBUCION DE PLANTAS



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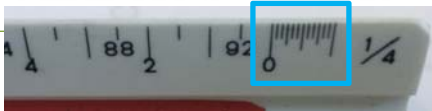


PLANT LAYOUT

DISTRIBUCION DE PLANTAS

SCALE $1/4" = 1' 0"$

0 2 4 6 8 FT



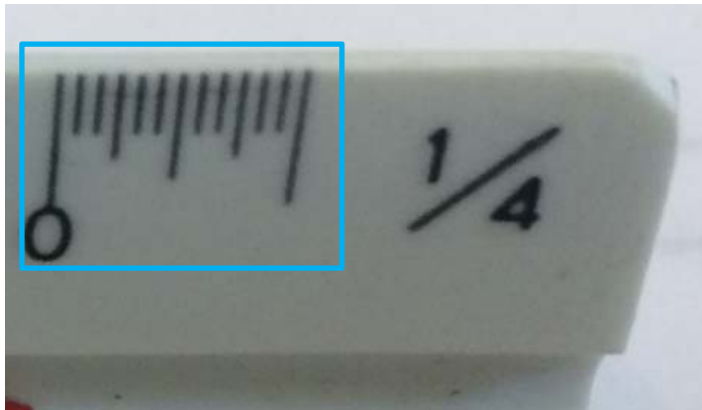
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PLANT LAYOUT

DISTRIBUCION DE PLANTAS

INCHES



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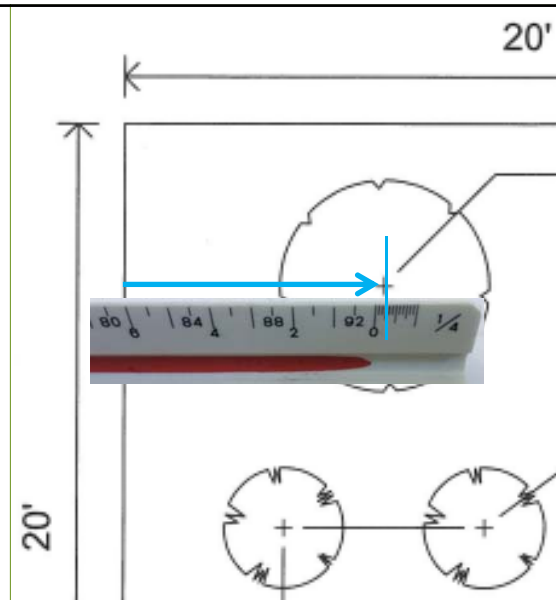


PLANT LAYOUT

6'3"

6 feet 3 inches

6.25'



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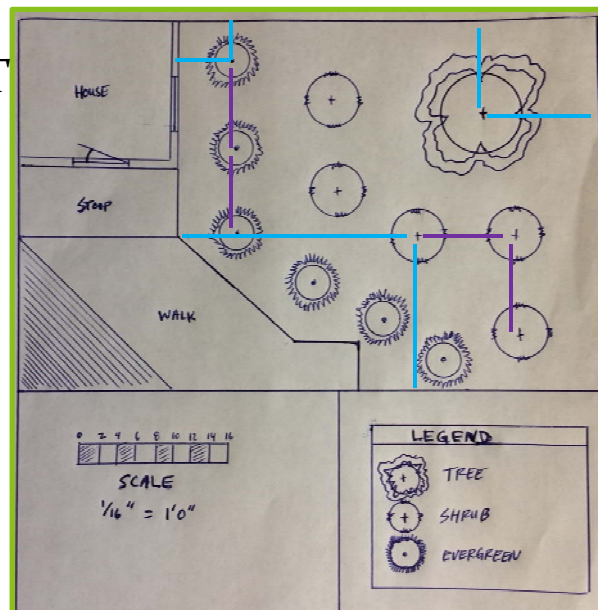
PLANT LAYOUT

DISTRIBUCION DE PLANTAS

Measurements from
near fixed points
(Mediciones desde puntos
ceranos fijos)

Shortcuts (Accesos
directos)

Orientation in
relation to the
surrounding
objects (Orientacion
en relacion con los
objetos circundantes)



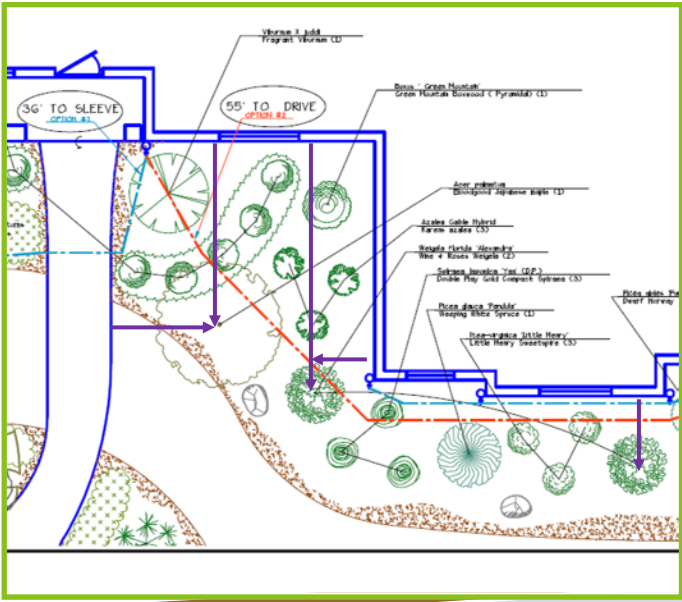
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PLANT LAYOUT

DISTRIBUCION DE PLANTAS



THE DESIGN STUDIO AT

AUNT RHODES

DATE: 6/15/18

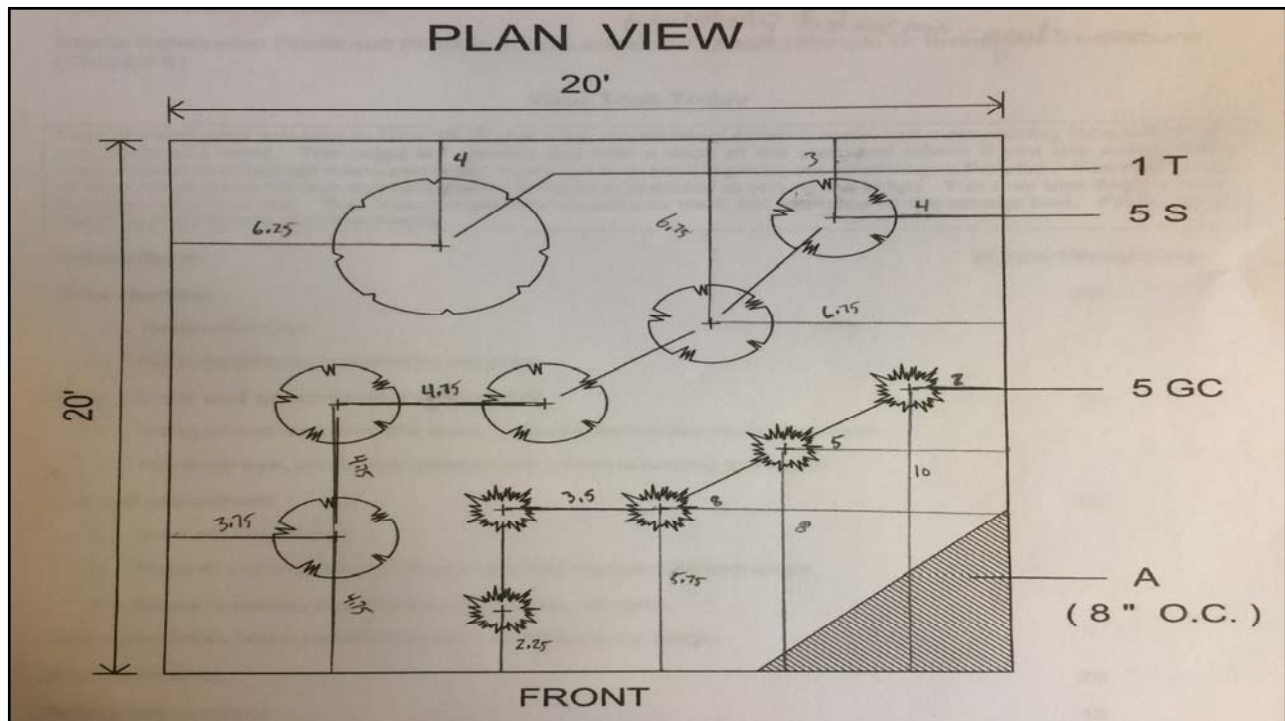
DESIGNED BY: KEN

A LANDSCAPE DESIGN FOR

John & Jane Doe

1234 Jones Street / Anytown, US 555555

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PLANT LAYOUT

DISTRIBUCION DE PLANTAS

Annual placement

1. Mark out annual bed.
2. Place 4" (10 cm) annual plants 4" (10 cm) from straight bed edges.
3. Space remaining plants evenly to conform with plan.

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SCALE 1/4" = 1' 0"

0 2 4 6 8 FT

PLANT LAYOUT

DISTRIBUCION DE PLANTAS

Planting plans can be more complex
(Los planes de plantacion pueden ser mas complejos)

-Level of detail does not change the overall format of information provided
(El nivel de detalle no cambia el format general de la informacion proporcionada)

-- likely will depend on the complexity of the project (Probablemente dependera de la complejidad de Proyecto)

Plant Layout

Proper plant layout involves correctly reading planting plans, as well as making appropriate adjustments while planting at the site.

Planting plans
Planting plans are scale drawings that show the types and locations of plant materials to be installed on a site. You must be able to read and understand planting plans, correctly orient the plan relative to North and measure distances accurately based on the drawing scale.

On some planting plans, plants are shown as simple circles. On other plans, plants are represented by more complex symbols. In general, larger symbols represent trees, while smaller symbols represent shrubs. A small cross is drawn in the center of each symbol marking its exact location for planting. Ground covers are often shown, not as individual plants, but as textures filling an area. Plants are drawn to scale at their maximum size (width) at maturity.

Most planting plans include a plant list, which is a table listing some or all of the following information:

- The quantities of plants to be used
- The scientific names of plants
- The common names of plants
- Planting size
- Plant spacing
- Containment of plants at delivery (i.e., balled and burlapped, flats, etc.)
- The symbols or abbreviations used to represent plants in the drawing
- Additional remarks

Planting plans sometimes include planting details. These are illustrations that guide the landscape contractor in soil preparation, planting techniques, mulching needs and staking or guying requirements.

Sample portion of a planting plan.

PLANT LAYOUT

DISTRIBUCION DE PLANTAS

Field adjustments may be required in real world installations (*Los ajustes de campo pueden ser requeridos en instalaciones del mundo real*)

Calculations may be required to determine some quantities in real world installations (*Los calculos pueden ser necesarios para determinar algunas cantidades en instalaciones del mundo real*)

Landscape Installation

PLANT LIST

Key	Qty.	Botanical Name	Common Name	Size/Planting Method	Remarks
Shade Trees					
FAA	2	<i>Fraxinus americana</i>	Autumn Applause Ash	2 1/2" cal., B&B	5 wk., full crown matched
QOF	8	<i>Quercus robur fastigiata</i>	Columnar English Oak	1 1/2" cal., B&B	5 wk., full crown specimen
TCG	2	<i>Tilia cordata 'Greenspire'</i>	Greenspire Linden	2 1/2" cal., B&B	5 wk., full crown specimen
Ornamental Trees					
ARBH	2	<i>Amelanchier 'Robin Hill'</i>	Robin Hill Serviceberry	2" cal., B&B	4 wk., hr matched specimen
Evergreen Trees					
AC	2	<i>Abies concolor</i>	White Fir	8" H., B&B	nursery grown, full, narrow form
PP	2	<i>Picea glauca 'Conica'</i>	Dwarf Alberta Spruce	4" H., #7 cont.	matched specimen
Deciduous Shrubs					
CSK	36	<i>Cornus stolonifera 'Kelsey'</i>	Kelsey Dogwood	15" - 18" spd., #5 cont.	7 canes min.
SPMK	24	<i>Syringa patula 'Miss Kim'</i>	Miss Kim Dwarf Lilac	24" - 36" spd., #5 cont.	6 canes min.
Evergreen Shrubs					
TM	50	<i>Taxus media densiformis</i>	Dense Yew	18" - 24" spd., #5 cont.	full form acclimated
Ground Covers					
HH	74	<i>Hedera helix</i>	English Ivy	12" - 18" spd., #1 cont.	5 runners min.



Field adjustments

A planting plan covers many, but not all, aspects of plant placement. Therefore, for best results, technicians must learn to exercise their own good judgment when planting. For example, the person actually planting should determine which side of the plant is the front and then plant accordingly.

Also, while the contractor should always try to locate plants accurately according to the planting plan, sometimes adjustments need to be made in the field. Obstacles such as underground utilities, building overhangs or sprinkler heads may be encountered, requiring plant locations to be slightly altered. If adjustments are necessary, it is important to ensure that other aspects of the landscape plan are not impacted.

Calculating plant spacing

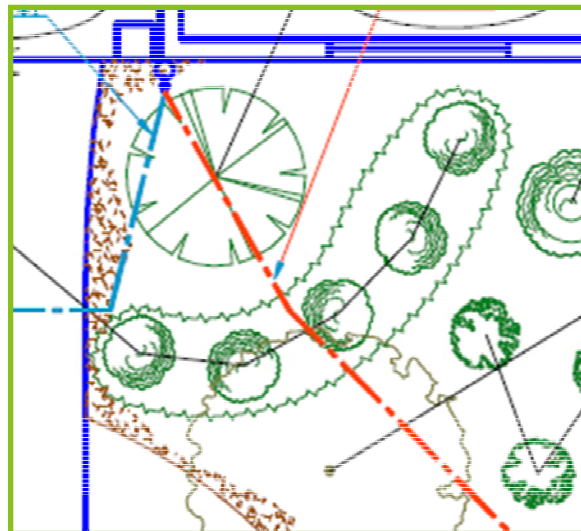
The number of plants needed for a bed is basically the area of the bed divided by the space needed by the plant. Follow the planting spacing instructions and calculate the number needed for the bed area. Examples showing how to calculate plant spacing are found in the "Landscape Plan Reading and Calculations" chapter.

PLANT LAYOUT

DISTRIBUCION DE PLANTAS

Field adjustments may be required in real world installations (*Los ajustes de campo pueden ser requeridos en instalaciones del mundo real*)

- Client requests (*Solicitudes de clientes*)
- Underground obstructions (*Obstrucciones subterranas*)
- Changes from original drawing not added (*Cambios del dibujo original no anadido*)
- Other? (*Otros?*)





PLANT LAYOUT

DISTRIBUCION DE PLANTAS

Calculations may be required to determine some quantities in real world installations (*Los calculos pueden ser necesarios para determinar algunas cantidades en instalaciones del mundo real*)

- Client requests (*Solicitudes de clientes*)
- Spacing requirements (*Requisitos de espacio*)
- Site Conditions (*Condiciones del sitio*)
- Materials Substitutions (*Materiales sustituciones*)
- Other? (*Otro?*)



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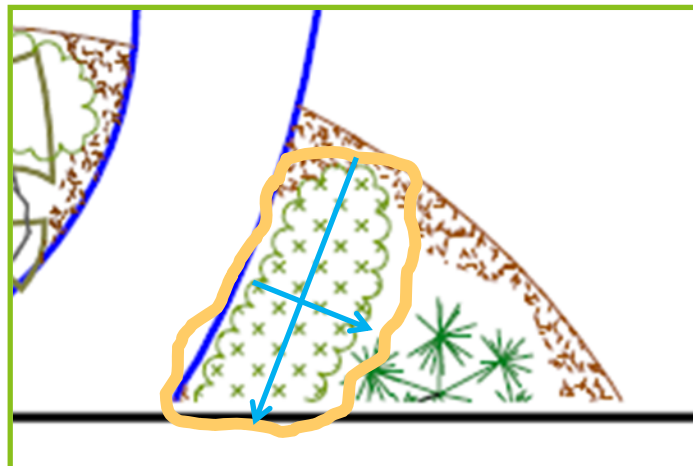


PLANT LAYOUT

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- Groundcovers – Square Feet
(*Cubrecamas – Pies Cuadrados*)
- Annuals & Bulbs – Square Feet
(*Anuales y bulbos- Pies Cuadrados*)



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- LEGEND (LEYENDA)
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PLANT LAYOUT
DISTRIBUCION DE PLANTAS

PLAN
PLANO

LEGEND
LEYENDA

SCALE
ESCALA

The diagram shows a hand-drawn landscape plan. On the left, a house is sketched with a 'STUMP' marked nearby. A 'WALK' path leads from the house towards a series of plant symbols. The symbols include circles with a cross (representing trees), circles with a plus sign (representing shrubs), and circles with a dot (representing evergreens). A red arrow points from the text 'PLAN' to the main drawing area. A purple arrow points from 'LEGEND' to a legend box on the right. A blue arrow points from 'SCALE' to a scale bar at the bottom left of the drawing area. The scale bar is marked from 0 to 16 feet, with the text 'SCALE 1/16" = 1'0"'. The legend box contains three entries: a circle with a cross for 'TREE', a circle with a plus sign for 'SHRUB', and a circle with a dot for 'EVERGREEN'.

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DISTRIBUCION DE PLANTAS

- Questions? (*Preguntas?*)
- THANK YOU FOR ATTENDING!
GRACIAS POR ASISTIENDO!

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