Step 1:

Input area:

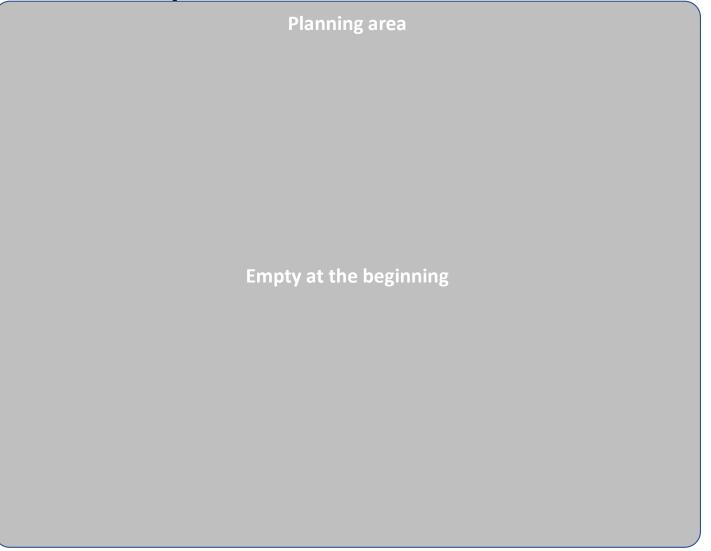| Label: Input time in seconds to fill 10 liter bucket	Label: irrigation control unit	Label: irrigation control unit
Input field: eg. 10 sec.	option field: Indoor	option field: with app control
Button: Calculate max. Volume in m³/hour	option field: Outdoor	option field: without app control
output field: max. volume per		
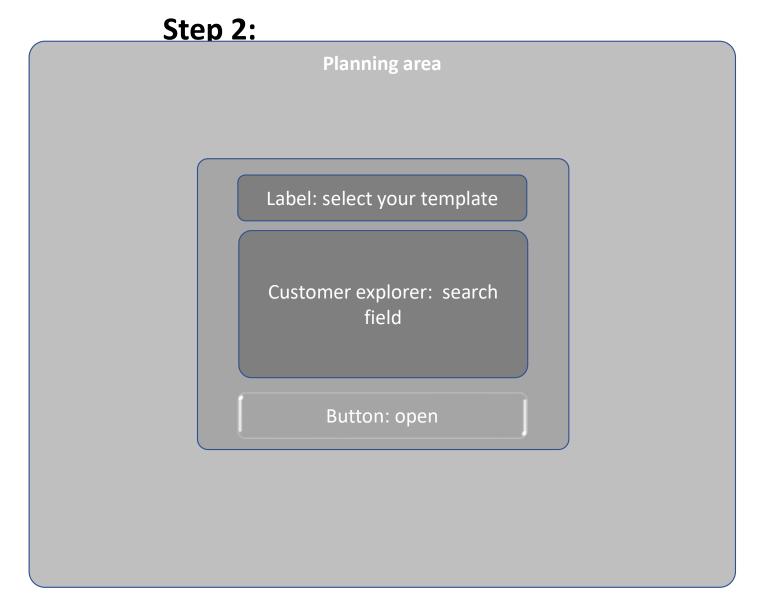
Button: go to planner

Step 2:

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Empty at the beginning

Step 2:

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: select your template

Customer explorer: search field
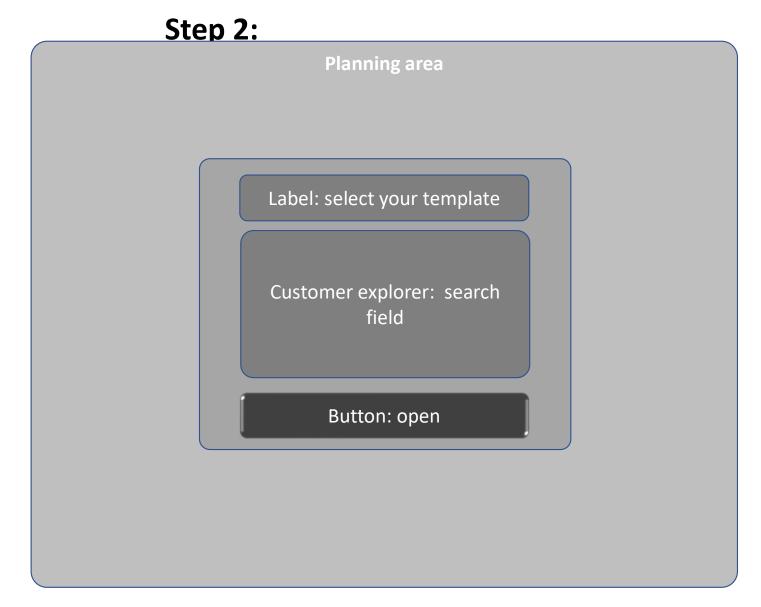
Button: open

Step 2:

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: select your template

Customer explorer: search field

Button: open

Step 2:

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order
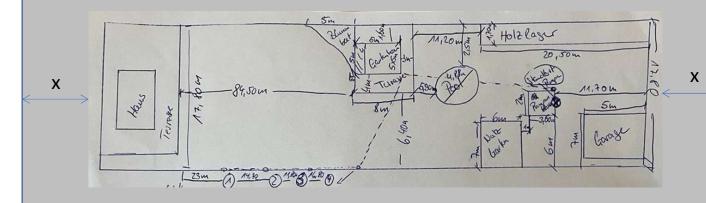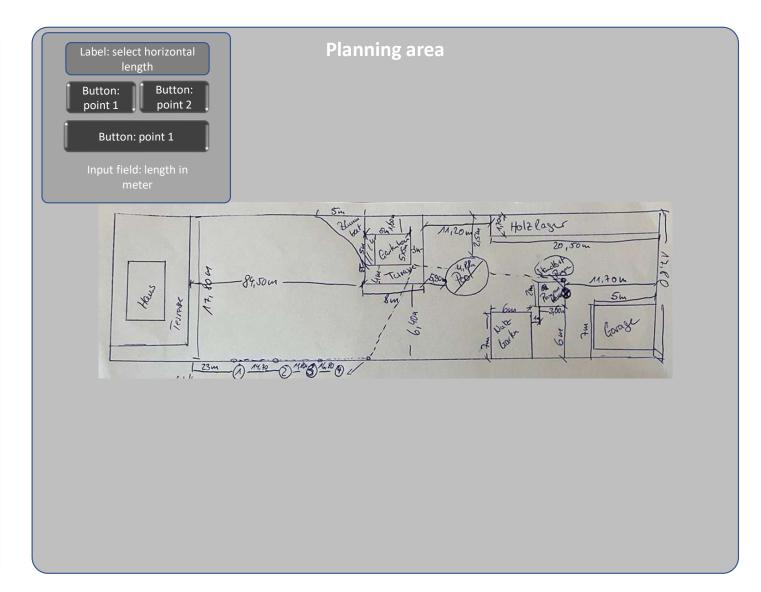
Planning area

Sketch will be positioned x/y central to planning area field
-> depending on height / length bigger sketch size, left/right or upper/lower border distancte to planning area will be set with defined distance

X

X

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: select horizontal length

Button: point 1   Button: point 2

Button: point 1

Input field: length in meter

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: select horizontal length

Button: point 1   Button: point 2

Input field: length in meter

Input scale

(set point 1 with cursor)

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

Label: select horizontal length

Button: point 1   Button: point 2

Input field: length in meter

Input scale

(set point 2 with cursor)

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

Label: select horizontal length

Button: point 1   Button: point 2

Input field: 20,5

Button: Input scale

(input field blinks for input and customer sets equal
Length beween point 1 / 2 -> in that example 20.5)

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: select horizontal length

Button: point 1   Button: point 2

Input field: length in meter

Button: Input scale

(cutomer push input and scale appears lower right side
And points and point menu disappear)

(Scale icon always has same size, but depending on
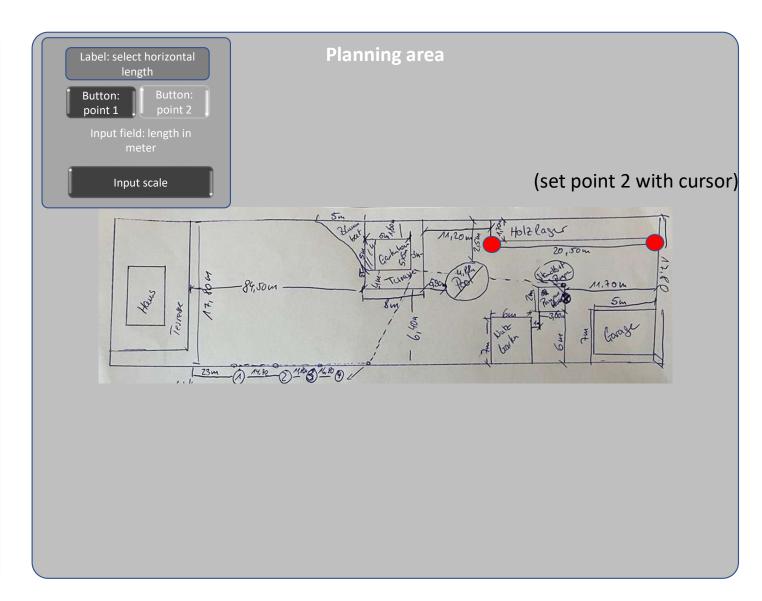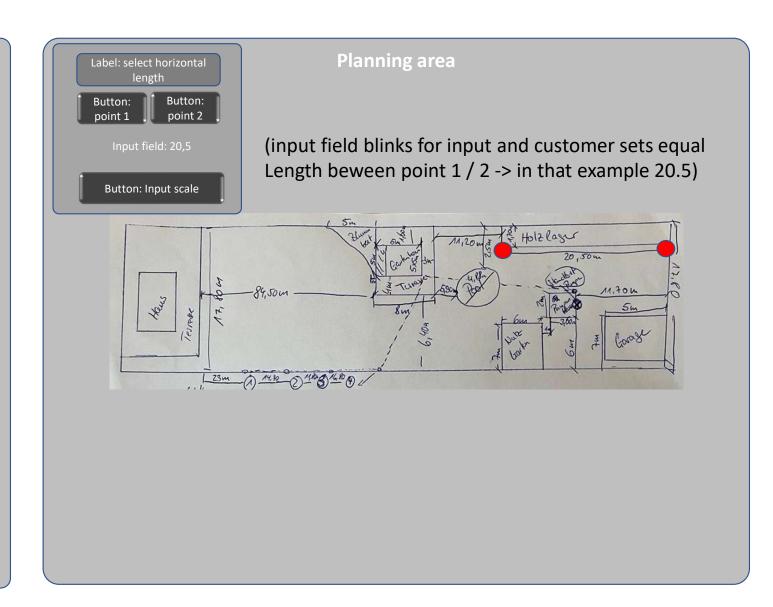length input different label with equal dimension equivalent to length 1 to 2)

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

(set point 1 with cursor)

Information fiedl: select point 1

Button: end sketch

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water
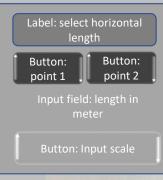
Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

(set point 2 with cursor)

Information fiedl: select next point

Button: end sketch

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

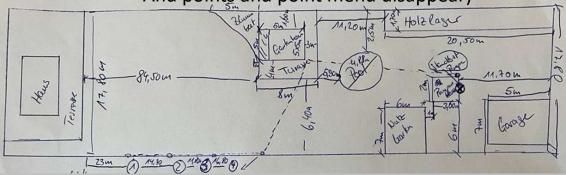Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

(set point 3 with cursor)

Information fiedl: select next point

Button: end sketch

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

(set point 4 with cursor)

Information fiedl: select next point

Button: end sketch

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe
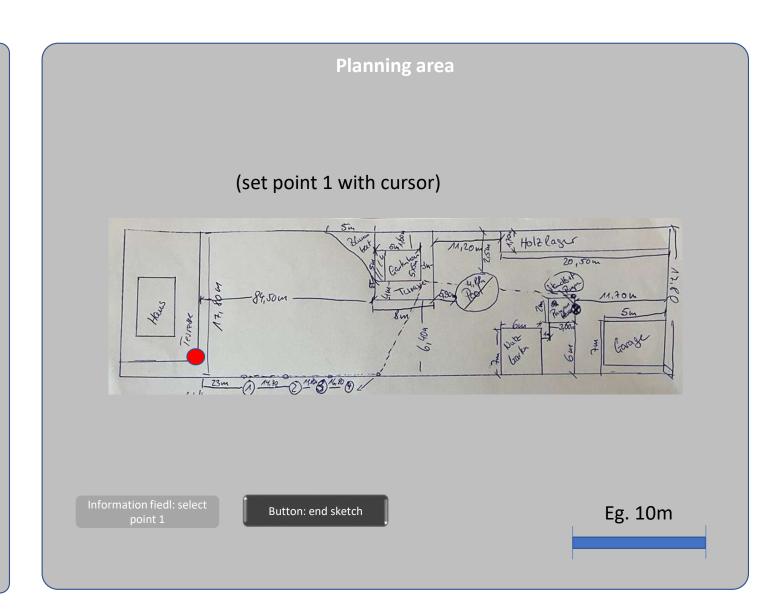
Button: save data
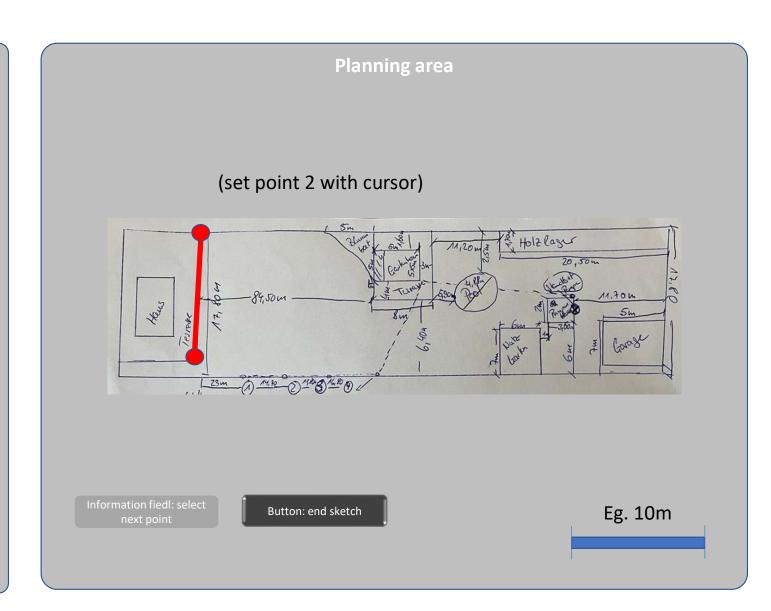
Button: create BOM and order

Planning area

(set point 5,6,7,8… with cursor)

Information fiedl: select next point

Button: end sketch

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

(set point 5,6,7,8... with cursor)

(By pushing end sketch button area is filled light green and next button appears)

Information fiedl: select next point

Button: end sketch

Button: next

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

(By pushing next button menu goes to place source of water menu)

Information fiedl: select next point

Button: end sketch

Button: next

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

(cursor to be used by customer to place source of water)

Information fiedl: place source position of water source with cursor

Button: go back

Button: next

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

(By pushing next button menu goes to place irrigation box unit menu)

Information fiedl: place source position of water source with cursor

Button: go back

Button: next

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

(cursor to be used by customer to place irrigation box unit)

Information fiedl: place irrigation box unit to plan

Button: go back

Button: next

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

(By pushing next button menu goes to place irrigation control unit menu)

Information fiedl: place irrigation box unit to plan

Button: go back

Button: next

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

(cursor to be used by customer to place irrigation control unit)

Information fiedl: place irrigation control unit to plan

Button: go back

Button: next

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

(By pushing next button menu goes to add sprinkler menu)

Information fiedl: place irrigation control unit to plan

Button: go back

Button: next

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

Information fiedl: select add sprinkler

Button: go back

Button: add sprinkler

Button: end sprinkler

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: throw distance options radial sprinklers

Button: 3m

Button: 3,5m

Button: 4,7m

Button: 7,9m

Button: 10m

Label: throw distance options rectangular sprinklers

Button: 1,5x4,5m left

Button: 1,5x4,5m right

Button: 1,5x9m mid

(by pushing add sprinler button option on top appers with different sprinklers)

Information fiedl: chose sprinkler option

Button: go back

Button: add sprinkler

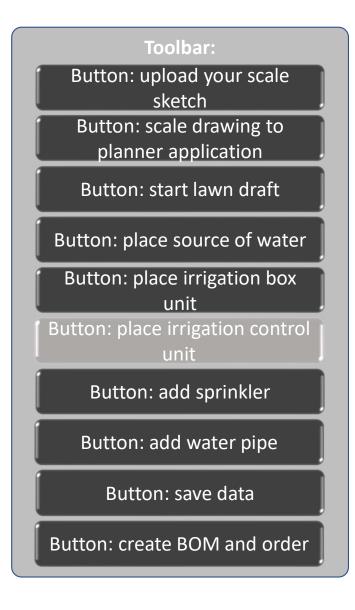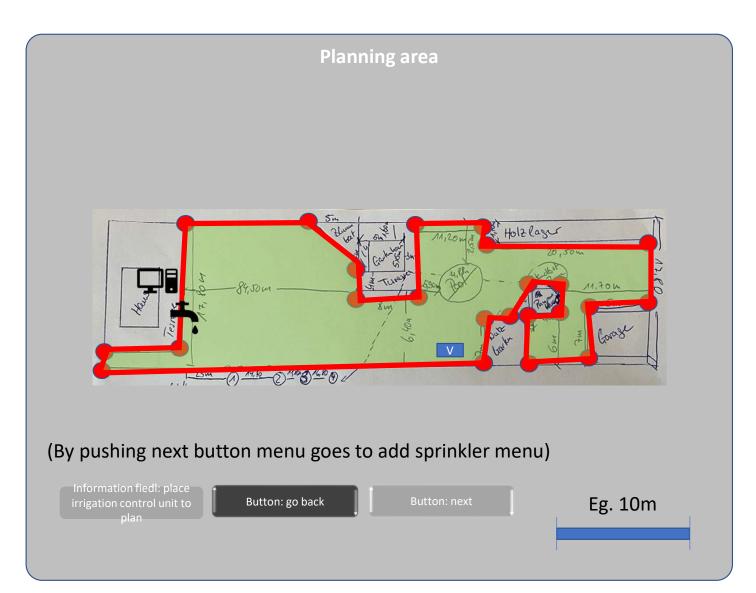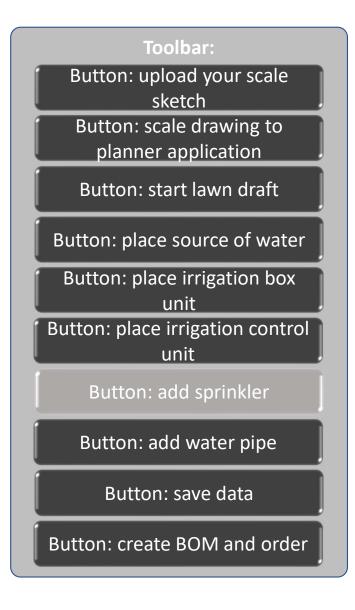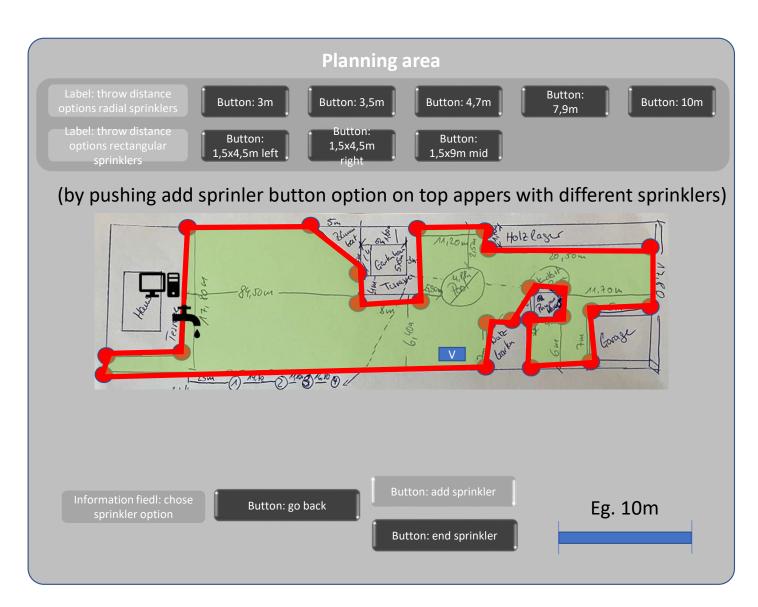Button: end sprinkler

Eg. 10m

Sprinkler definition:

Sprinkler types / radia angles / water volume per minute / per hour / irrigation throw distance equal to radia :

Modell	Winkel	l/min.		l/h	Wurfweite
MP800	90		0,87	52,2	3,1
MP800	180		1,59	95,4	3
MP800	210		1,85	111	3
MP1000	90		0,8	48	3,5
MP1000	180		1,59	95,4	3,5
MP1000	210		1,86	111,6	3,5
MP1000	270		2,39	143,4	3,5
MP1000	360		3,18	190,8	3,5
MP2000		90	1,63	97,8	4,7
MP2000		180	2,92	175,2	4,7
MP2000		210	3,26	195,6	4,7
MP2000		270	4,17	250,2	4,7
MP2000		360	5,61	336,6	4,7
MP3000	90		3,26	195,6	7,9
MP3000	180		6,9	414	7,9
MP3000	210		8,03	481,8	7,9
MP3000	270		10,35	621	7,9
MP3000	360		13,8	828	7,9
MP3500	90		4,84	290,4	10
MP3500	180		10,83	649,8	10
MP3500	210		12,45	747	10
MPLCS-515	-		0,84	50,4	1,5
MPRCS-515	-		0,84	50,4	1,5
MPSS-530	-		1,66	99,6	1,5
MP Corner		45	0,7	42	3,5
MP Corner		90	1,44	86,4	3,5
MP Corner		105	1,7	102	3,5

Sprinkler type adjustment ranges:
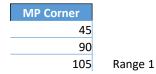
Sprinkler types with ranges 90-210° / 210° - 270° / fixed 360°:

	MP800	MP1000	MP2000	MP3000	MP3500
	90	90	90	90	90
range 1	180	180	180	180	180
	210	210	210	210	210
range 2		270	270	270	
Range 3		360	360	360	

Sprinkler types without range:

MPLCS-515	MPRCS-515	MPSS-530
-	-	-

Sprinkler types with one range 45-105°:

MP Corner	
45	
90	
105	Range 1

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: throw distance options radial sprinklers

Button: 3m

Button: 3,5m

Button: 4,7m

Button: 7,9m

Button: 10m

Label: throw distance options rectangular sprinklers

Button: 1,5x4,5m left

Button: 1,5x4,5m right

Button: 1,5x9m mid

(by selecting for example 3m option customer to set related sprinkler to planner by cursor)

Information fiedl: place sprinkler to planner

Button: go back

Button: add sprinkler

Button: end sprinkler

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: throw distance options radial sprinklers

Button: 3m

Button: 3,5m

Button: 4,7m

Button: 7,9m

Button: 10m

Label: throw distance options rectangular sprinklers

Button: 1,5x4,5m left

Button: 1,5x4,5m right

Button: 1,5x9m mid

(customer can adjust angle by to red points, which appeas by Going over the points / by touching the center sprinkler can be rotated)

Information fiedl: place sprinkler to planner

Button: go back

Button: add sprinkler

Button: end sprinkler

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Label: throw distance options radial sprinklers

Button: 3m

Button: 3,5m

Button: 4,7m

Button: 7,9m

Button: 10m

Label: throw distance options rectangular sprinklers

Button: 1,5x4,5m left

Button: 1,5x4,5m right

Button: 1,5x9m mid

(customer can adjust angle by to red points, which appeas by Going over the points / by touching the center sprinkler can be rotated)

Information fiedl: place sprinkler to planner

Button: go back

Button: add sprinkler

Button: end sprinkler

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
- Button: add water pipe
- Button: save data
- Button: create BOM and order

Planning area

Label: throw distance options radial sprinklers | Button: 3m | Button: 3,5m | Button: 4,7m | Button: 7,9m | Button: 10m

Label: throw distance options rectangular sprinklers | Button: 1,5x4,5m left | Button: 1,5x4,5m right | Button: 1,5x9m mid

(customer can input as many sprinklers, he wants and at the end he push End sprinkler button to end menu and menu switches to add water pipe)

Information fiedl: place sprinkler to planner | Button: go back | Button: add sprinkler

Button: end sprinkler

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: save data

Button: create BOM and order

Planning area

Information fieldl: total volume by selected sprinklers per hour: for example 1000litres / hour

(customer can connect irrigation box to single sprinklers by cursor
→ Top left information field adds water volume per hour and gives direct information
→ In case of higher volume than possible by Step 1 input it gives allert)

Information fiedl: connect sprinkler to irrigation box

Button: go back

Button: next

Eg. 10m

Toolbar:

Button: upload your scale sketch

Button: scale drawing to planner application

Button: start lawn draft

Button: place source of water

Button: place irrigation box unit

Button: place irrigation control unit

Button: add sprinkler

Button: add water pipe

Button: create BOM and order

Button: save data

Planning area

Information fieldl: total volume by selected sprinklers per hour: for example 1000litres / hour

(customer can push next button, if all water pipes been defined and goes to Create BOM and order)

Information fiedl: connect sprinkler to irrigation box

Button: go back

Button: next

Eg. 10m

Toolbar:

- Button: upload your scale sketch
- Button: scale drawing to planner application
- Button: start lawn draft
- Button: place source of water
- Button: place irrigation box unit
- Button: place irrigation control unit
- Button: add sprinkler
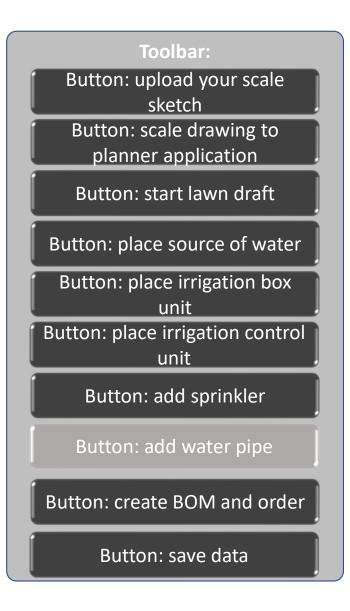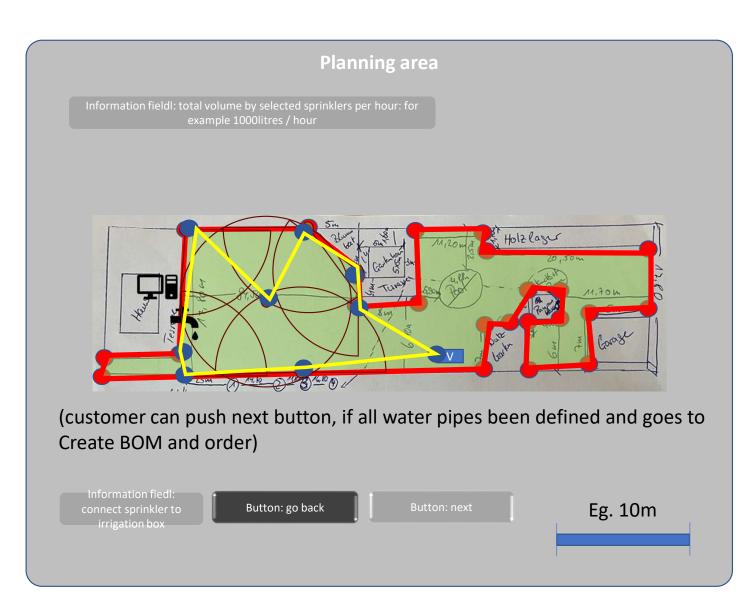- Button: add water pipe
- Button: create BOM and order
- Button: save data

(customer has different possibilities for next action, see order, print BOM and go to print plan)

Planning area

Item name	Item ID	quantity	Price per unit	Total	VAT
Sprinkler	…	…	…	…	…
Water pipe	…	…	…	…	…
Irrigation control unit	…	…	…	…	…
Irrigation box	…	…	…	…	…
connectors	…	…	…	…	…
Total				123,123€	…

Information fiedl: connect sprinkler to irrigation box

Button: go back

Button: print as PDF

Button: order

Button: print plan

Toolbar:

Button: add dimensions

Button: print plan

Button: save data

(customer has option to add dimensions to plan
–> distance from sprinkler to sprinkler / or select area to print /
hide sprinkler or water pieps)

Planning area

Information fieldl: total volume by selected sprinklers per hour: for example 1000litres / hour

(customer can push next button, if all water pipes been defined and goes to Create BOM and ordering list)

Information fiedl: connect sprinkler to irrigation box

Button: go back

Button: next

Eg. 10m