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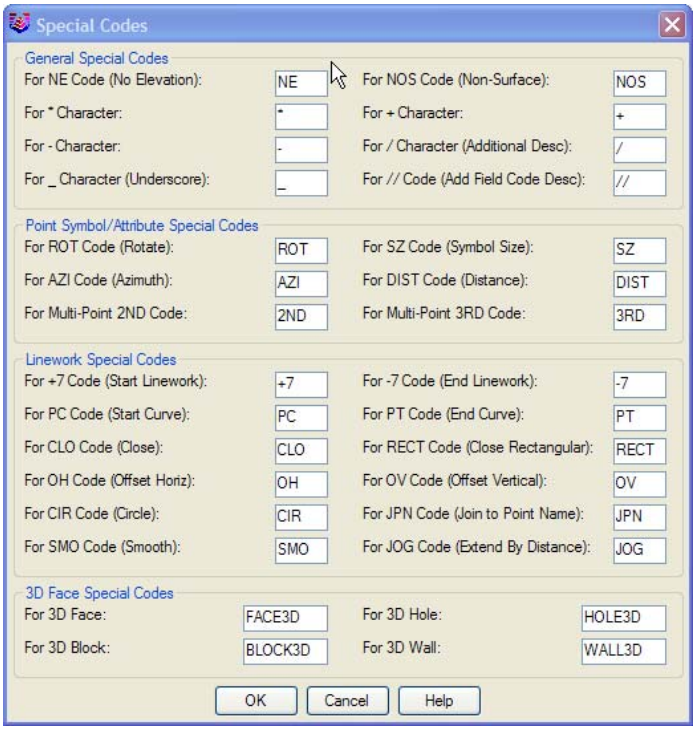
Carlson Software – Field to Finish Sample Coding

The "Special Codes" dialog box can be accessed by following these steps:

- Go to the Survey Menu
- Select "Draw Field to Finish"
- Pick the button for "Code Table Settings"
- Then pick the button for "Special Codes"

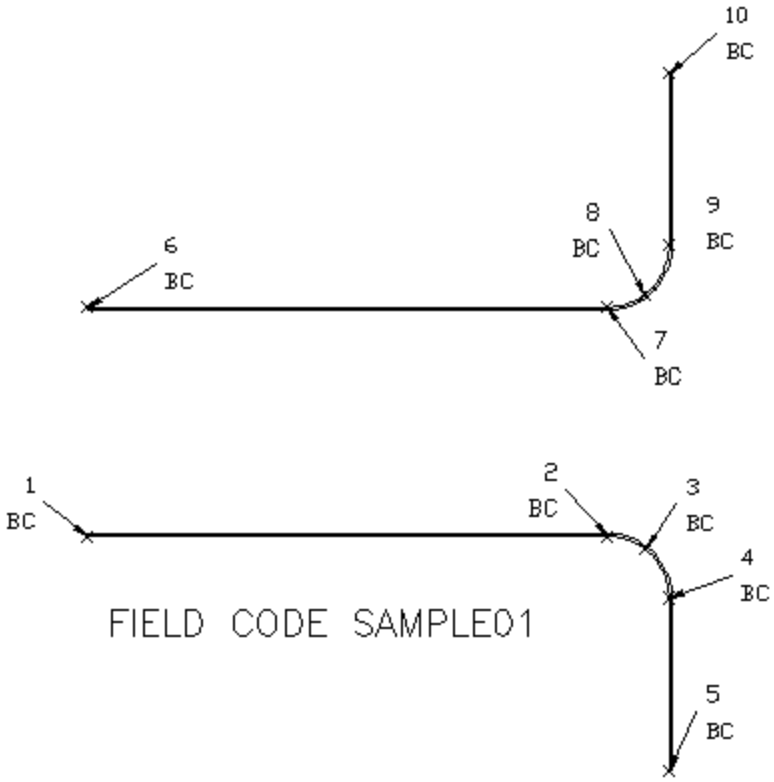


The most commonly used Special Codes are shown below:

+7	Begin Linework
-7	End Linework
PC	Start Curve
PT	End Curve
CLO	Close back to first point
RECT	Close rectangle (requires initial 3 points)
JPN	Joins to point number
OH	Offset horizontal
OV	Offset vertical

Field Code Sample 01 – Draw both BC & EP at one time

```
1,5143.46246,4936.68669,100.00000,BC +7 OH-2.5 OV-.5
2,5143.46246,5358.02430,101.00000,BC PC
3,5132.94394,5388.70348,101.20000,BC
4,5093.46246,5408.02430,101.50000,BC
5,4953.71796,5408.02430,103.00000,BC -7
6,5329.11509,4936.68669,99.00000,BC +7 OH2.5 OV-.5
7,5329.11509,5358.02430,100.00000,BC PC
8,5339.14392,5388.06269,100.30000,BC
9,5379.11509,5408.02430,100.50000,BC
10,5518.85959,5408.02430,103.00000,BC -7
```

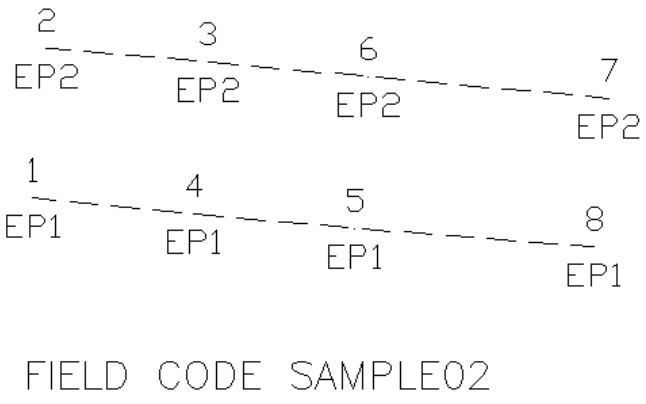


NOTES:

- Use special codes "+7" and "-7" to specify the start and end of a line. If you use these to start and end, you can use the same code (BC) repeatedly.
- Specifying the PC point of a curve without specifying a PT point will automatically assume the two points immediately following the PC point are POC (point on curve) and PT of the curve.
- Use special codes "OH" to create a horizontal offset polyline at the specified distance and "OV" to specify the vertical offset value.

Field Code Sample 02

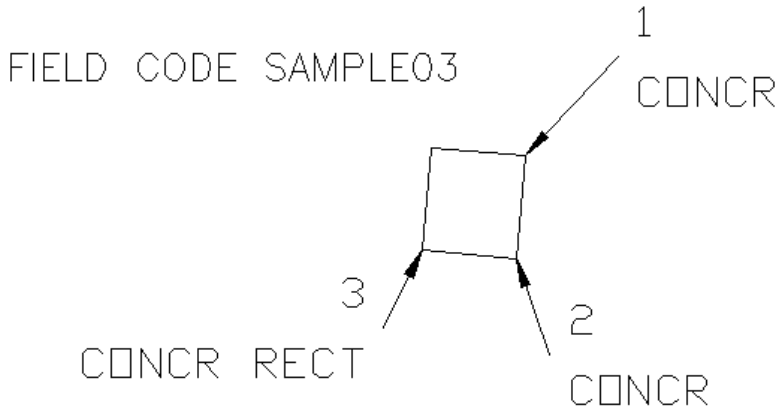
```
1,4771.323821,4910.623329,96.660438,EP1 +7
2,4788.019987,4912.148210,97.522193,EP2 +7
3,4786.528891,4930.173353,97.357566,EP2
4,4769.587555,4928.586164,96.551606,EP1
5,4767.956410,4946.558505,96.581399,EP1
6,4784.861543,4948.134159,97.191924,EP2
7,4782.470560,4975.032728,96.945314,EP2 -7
8,4765.894616,4973.347562,96.418313,EP1 -7
```



NOTE: Using a number as an extra descriptor allows you to take shots in a cross section order but have the lines connect properly. Using the special codes "+7" and "-7" to start and end the linework allows you to re-use the description codes "EP1" and "EP2" for other linework after these lines are drawn.

Field Code Sample 03

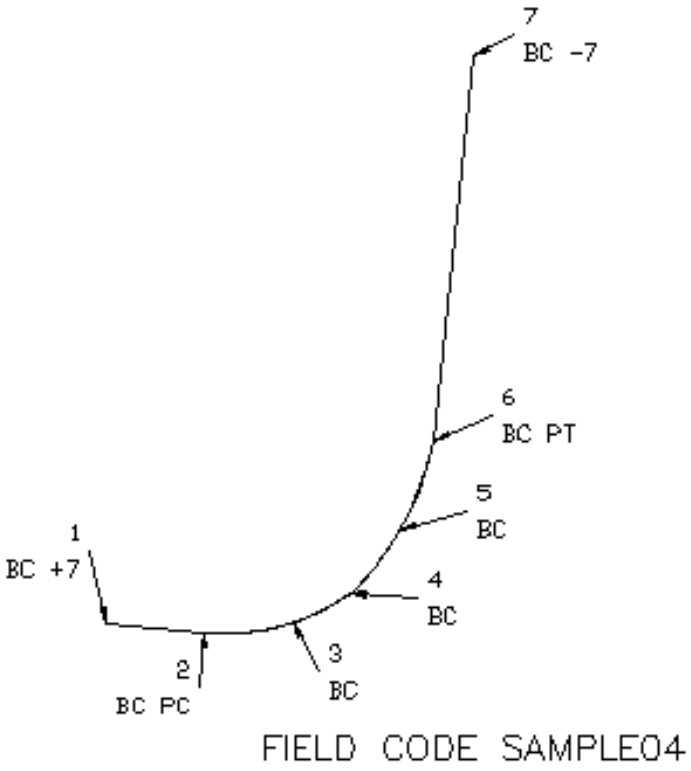
```
1,4809.585825,4983.316335,99.771570,CONCR
2,4806.021760,4982.999847,99.818423,CONCR
3,4806.335931,4979.730882,99.854944,CONCR RECT
```



Field Code Sample 04

```
1,4793.589806,4941.342680,97.784549,BC +7
2,4792.176208,4957.824633,97.596303,BC PC
3,4793.754381,4972.426061,97.615739,BC
4,4798.585633,4982.155822,97.951267,BC
5,4809.212122,4990.296696,98.573121,BC
6,4824.011982,4995.929299,98.952353,BC PT
7,4888.297266,5002.679947,99.558188,BC -7
```

NOTE: Specifying the PC and the PT points on a curve will fit a curve using all points between with the same description.

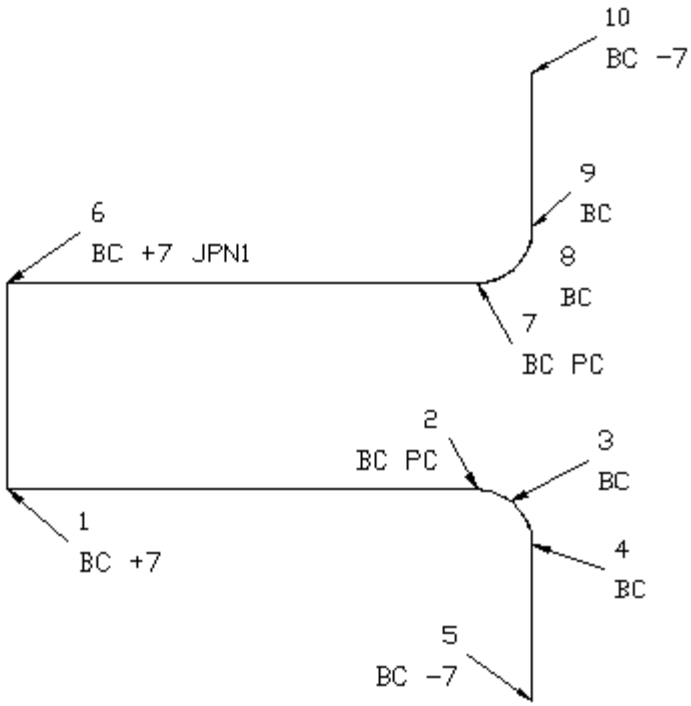


FIELD CODE SAMPLE04

Field Code Sample 05

```
1,5143.46246,4936.68669,100.00000,BC +7
2,5143.46246,5358.02430,101.00000,BC PC
3,5132.94394,5388.70348,101.20000,BC
4,5093.46246,5408.02430,101.50000,BC
5,4953.71796,5408.02430,103.00000,BC -7
6,5329.11509,4936.68669,99.00000,BC +7 JPN1
7,5329.11509,5358.02430,100.00000,BC PC
8,5339.14392,5388.06269,100.30000,BC
9,5379.11509,5408.02430,100.50000,BC
10,5518.85959,5408.02430,103.00000,BC -7
```

NOTE: Using special code “JPN” joins linework from the specified point to another specified point number.



FIELD CODE SAMPLE05