



N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch

RF Connectors Technical Data Sheet

PE44523

**Configuration**

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-C600, LMR-600, LMR-600-DB, 0.600 inch Inter-
- face Type
- Crimp/Solder Attachment
- 18 mm Hex

**Features**

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

Pasternack's PE44523 type N male connector with crimp/solder attachment for PE-C600, LMR-600, LMR-600-DB and 0.600 inch is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz.

Our type N male connector PE44523 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz

**Mechanical Specifications**

Size	
Length	2.03 in [51.56 mm]
Width/Dia.	0.95 in [24.13 mm]
Weight	0.161 lbs [73.03 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch PE44523](#)



N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch

## RF Connectors Technical Data Sheet

PE44523

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

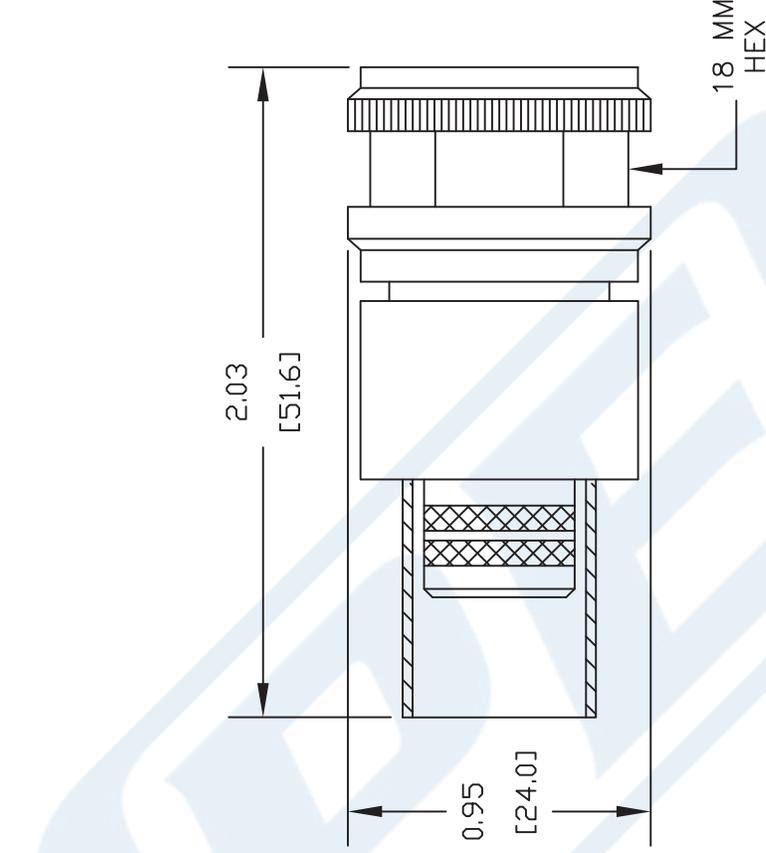
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URL: <https://www.pasternack.com/n-male-standard-pe-c600-0.600-connector-pe44523-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE44523 CAD Drawing

N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .610" HEX CRIMP TOOL

DWG TITLE

**PE44523**

- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
  2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
  3. DIMENSIONS ARE IN INCHES [mm].
  4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. C

FSCM NO. 53919

CAD FILE 081711

SCALE N/A

SIZE A

2231

**PE PASTERNAK®**

Pasternack Enterprises, Inc.

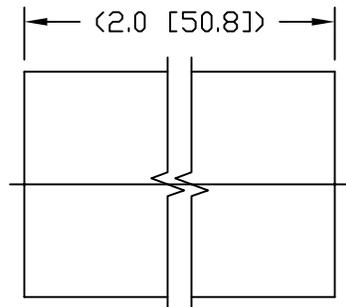
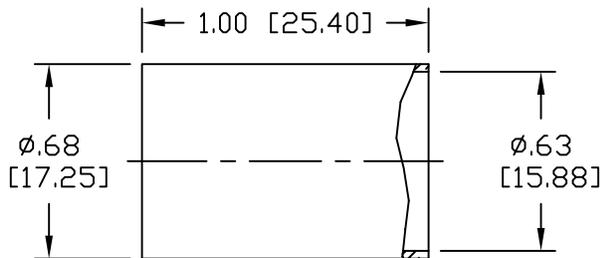
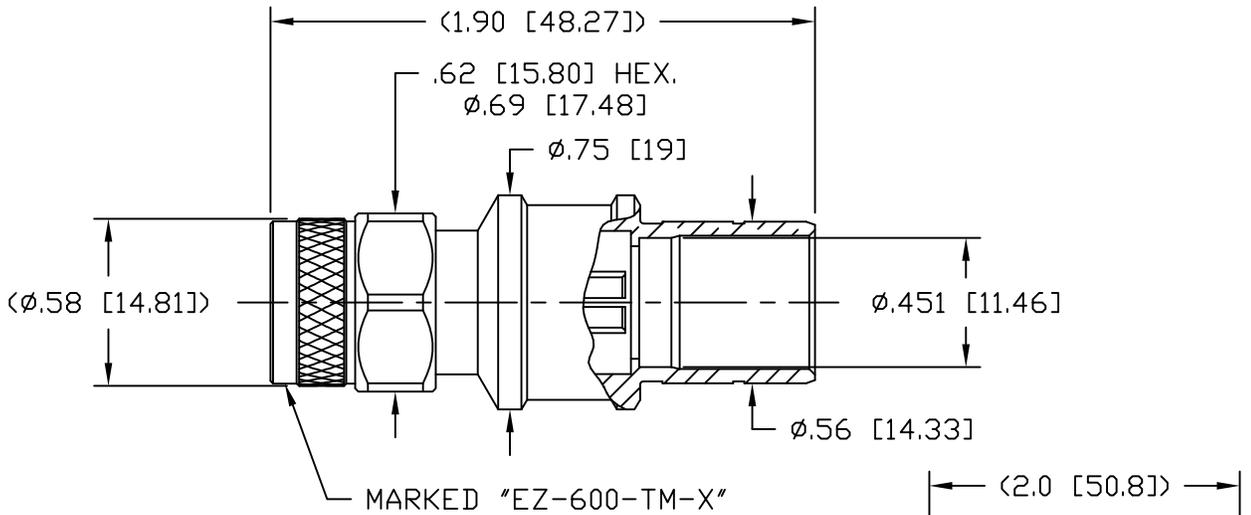
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

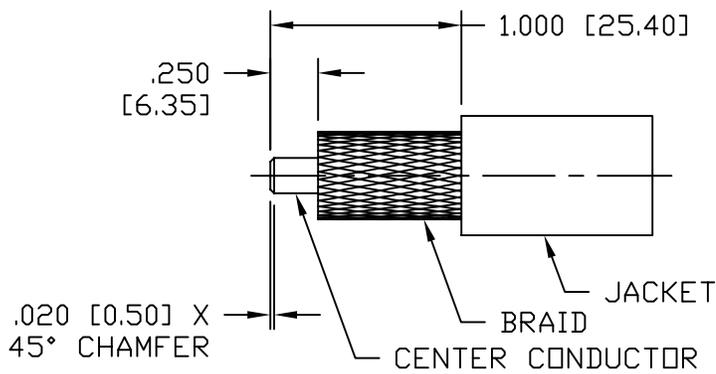
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	2/24/10	J.D.B.	3/11/10
B	CHANGED PER CDC #34322	D.J.H.	10/12/11	J.D.B.	10/27/11



HEAT SHRINK TUBING



CABLE TRIMMING DIMENSIONS

NOTES:

- MATERIALS AND FINISHES:**  
 BODY: BRASS, ALBALDY PLATING  
 COUPLING NUT: BRASS, ALBALDY PLATING  
 CENTER CONTACT: BERYLLIUM COPPER, GOLD PLATE  
 INSULATOR: PTFE, NATURAL  
 FERRULE: COPPER, ALBALDY PLATING
- ELECTRICAL:**  
 IMPEDANCE: 50 OHMS NOMINAL  
 FREQUENCY: DC-6 GHz  
 VSWR: 1.2 DC-6 GHz  
 DIELECTRIC WITHSTANDING VOLTAGE: 1,500 VOLTS RMS
- MECHANICAL:**  
 DURABILITY: 500 CYCLES MIN.  
 TEMPERATURE RANGE: -65°C TO +165°C
- CABLING INSTRUCTIONS:**  
 A. SLIDE FERRULE OVER CABLE JACKET  
 B. TRIM CABLE TO DIMENSIONS SHOWN. MAKE SURE CUTS ARE SHARP AND SQUARE. DO NOT NICK BRAID OR CENTER CONDUCTOR.  
 C. FLAIR BRAID SLIGHTLY AND INSERT CABLE INTO BODY UNTIL BOTTOMED. (CONTACT SUPPLIED ASSEMBLED.) SLIDE THE FERRULE UP THE CABLE AND OVER THE BRAID UNTIL BOTTOMED ON BODY. CRIMP FERRULE USING A .612 HEX.

MATL:	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 32 RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/64	DFTM: K. A. M.	TIMES MICROWAVE SYSTEMS
		DATE: 2/24/10	
USED ON: A	DO NOT SCALE DRAWING	CHKD: J. D. B.	<b>EZ-600-TM-X</b> PLUG, TNC, EZ FOR LMR-600
		DATE: 3/11/10	
SCALE: ~	DWG. SIZE: A	APPD: J. D. B.	SHEET 1 of 1
	CODE IDENT: 68999	DATE: 3/11/10	



## Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

**PE-C600**

Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

#### Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PE, Black

#### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	87
Maximum Operating Frequency, GHz	5.8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	23.4 [76.77]
Jacket Spark, Vrms	5,000
Peak Power, KWatts	40

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	1 [3.28]
Power Handling, KWatts	2.16

##### Frequency 2

Frequency, MHz	450
Attenuation, dB/100ft [dB/100m]	1.7 [5.58]
Power Handling, KWatts	1.23

##### Frequency 3

Frequency, MHz	900
Attenuation, dB/100ft [dB/100m]	2.5 [8.2]
Power Handling, Watts	840

##### Frequency 4

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	3.3 [10.83]
Power Handling, Watts	630

##### Frequency 5

Frequency, GHz	1.8
Attenuation, dB/100ft [dB/100m]	3.7 [12.14]
Power Handling, Watts	570

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C600](#)

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## Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

### TECHNICAL DATA SHEET

### PE-C600

#### Frequency 6

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]
Power Handling, Watts	540

#### Frequency 7

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	4.4 [14.44]
Power Handling, Watts	480

#### Frequency 8

Frequency, GHz	5.8
Attenuation, dB/100ft [dB/100m]	7.3 [23.95]
Power Handling, Watts	290

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-40 to +85
Storage Range, deg C	-40 to +85

##### Inner Conductor

Number of Strands	1
Material	Copper Clad Aluminum
Diameter, in [mm]	0.176 [4.47]

##### Dielectric:

Type	PE (F)
Diameter, in [mm]	0.455 [11.56]

##### Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.49 [12.45]

##### Jacket:

Material	PE
Diameter, in [mm]	0.59 [14.99]
Color	Black
Repeated Minimum Bend Radius, in [mm]	6 [152.4]
Weight, lbs/ft [Kg/m]	0.131 [0.19]

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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Low Loss Flexible .600 inch Foam Dielectric Type Coax  
Cable Double Shielded with Black PE Jacket

**TECHNICAL DATA SHEET**

**PE-C600**

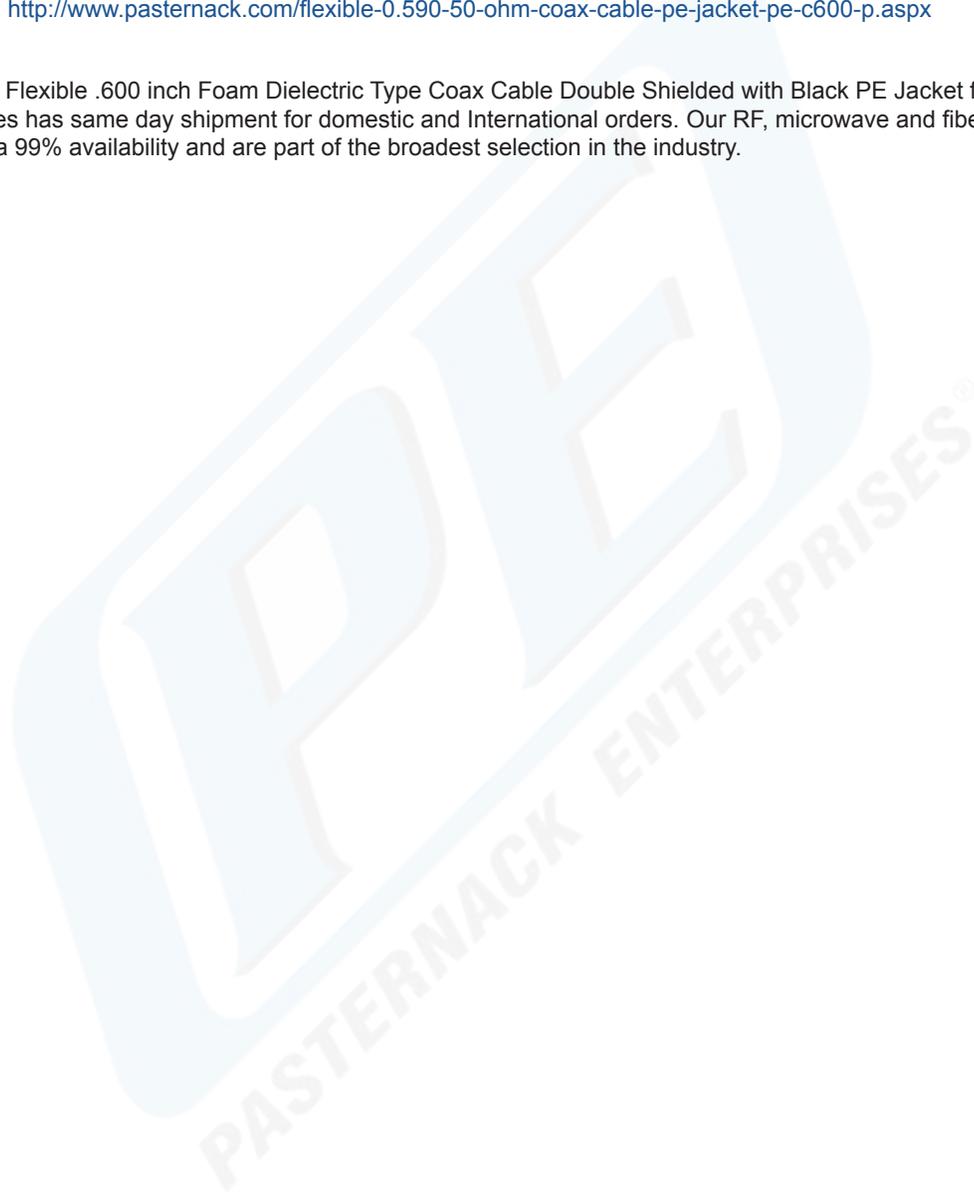
**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

URL: <http://www.pasternack.com/flexible-0.590-50-ohm-coax-cable-pe-jacket-pe-c600-p.aspx>

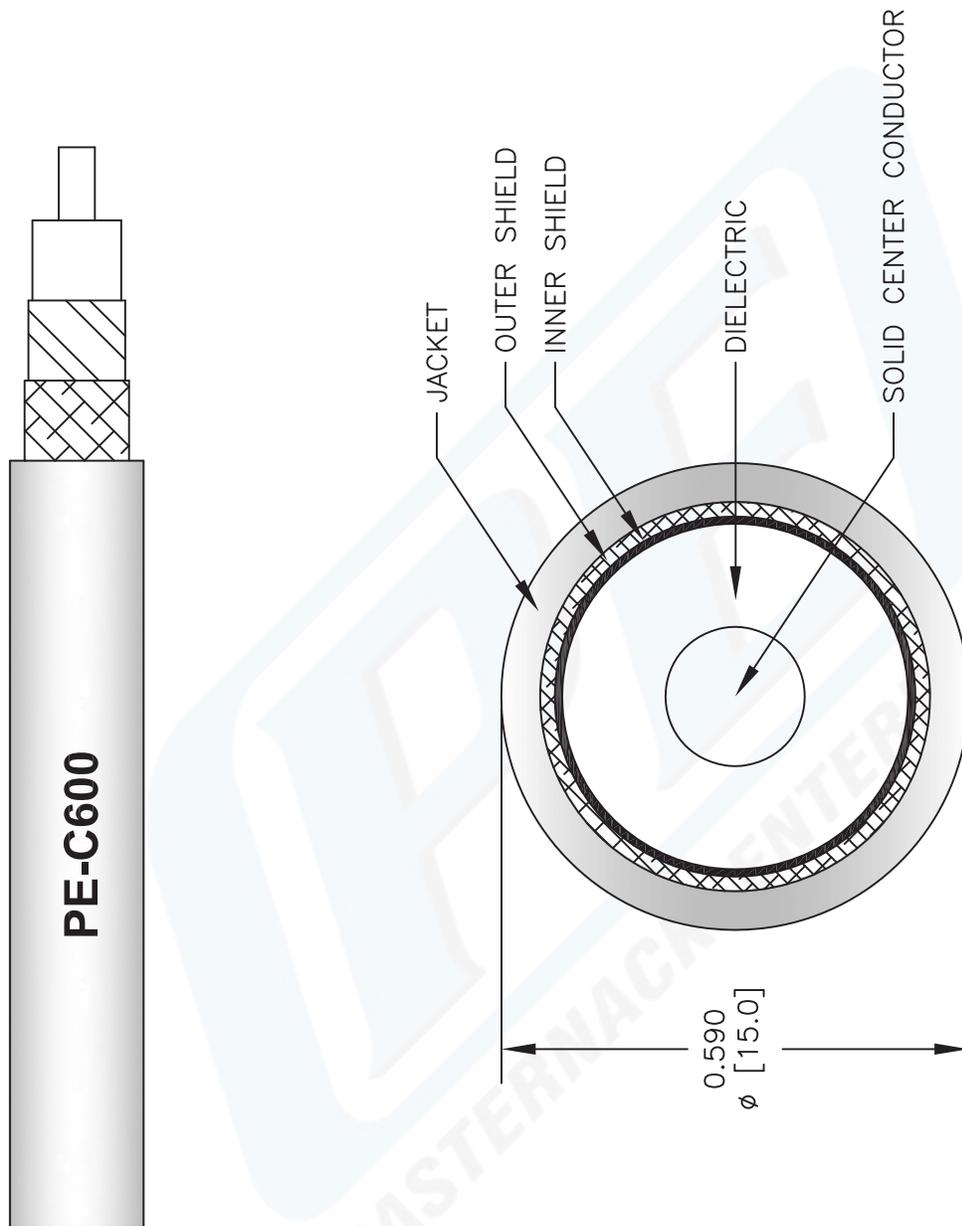
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# PE-C600 CAD Drawing

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Cable Double Shielded with Black PE Jacket



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DWG TITLE		FSCM NO. 53919	
<b>PE-C600</b>		CAD FILE	042809
SCALE	N/A	SIZE	A
			2233

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