

SPECIFICATION
F.I.S.H. Drawings



Duval County Public Schools

Revised 6/24/03

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1 DRAWING INSTRUCTIONS

The following instructions cover the drafting standards essential for the production of uniform drawings. This specification applies to drawings produced by DCSB or for DCSB by a third party. This specification does NOT cover drawings supplied to DCSB connected with major construction projects such as new Schools. Specific information is referenced from AutoCAD throughout this document. It is recommended that drawing to be saved with AutoCAD 2002 or higher when drawings are constructed for DCSB to insure proper compatibility.

DCPS may have to alter FISH drawings. FISH Drawings shall not be provided in “Read Only” format.

2 Drawing Size

All new Drawings must be created with title blocks and borders. See attached file for typical drawing boarder. The drawing border sizes are as follows:

BORDER AND TITLE BLOCK SIZE	DRAWING FILE NAME
2 (11" X 17")	2SIZE.DWG
3 (17" X 22")	3SIZE.DWG
5 (17" X 44")	5SIZE.DWG
7 (22" X 34")	7SIZE.DWG
8 (26" X 44")	8SIZE.DWG
11 (34" X 44")	11SIZE44.DWG
11 (34" X 60")	11SIZE60.DWG *
11 (34" X 96")	11SIZE96.DWG *

The size selected should be large enough to provide sufficient space for tables, notes, revisions and additional information. The drawing border should be on a layer called BORDER (Colors for border entities are defined on the default sheets.) Note, * should be used ONLY when impractical to use other sizes.

Note: All F.I.S.H. Drawings must be on 2size 11” x 17” border

3 Drawing Scale

The following scale size should be followed:

F.I.H.D Diagrams: 1" = 30'-0"

The applicable scale must be shown on the drawing, e.g.: 1" = 30'-0". Where more than one scale is used on a drawing, each scale is to be shown in the Detail Illustration.

4. Lines

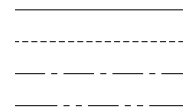
Lines used on drawings are to be as follows:

Outline of visible surface – CONTINUOUS

Outline of invisible surface - HIDDEN

Center line- CENTERLINE

Outline of existing structure - PHANTOM



Linetype (LTSCALE) scale should be set as appropriate for a particular drawing. LTSCALE should normally be set to half the drawing scale, e.g. Scale: 1/2"=1'-0" then the scale factor is 24 and the LTSCALE would normally be 12. Scaled linetypes, such as CENTER2, HIDDEN3, etc., should be used where appropriate.

Lines on an original drawing are not to be thinner than 0.005" as plotted on a thermal or laser plotter. As mentioned earlier, all items are to appear on different layers, colors to use for layers and their associated line widths are as follows:

Color	LineWeight	Description
White	2" / 0.01"	Drawing Border / School Name
Yellow	0.007"	Main Text
Green	0.009" / 0.009"	Building outline / Text for Building Number
Blue	0.007"	Building wall division
Cyan	0.006"	Site outline
Magenta	0.01"	Bold Text / DCSB Text
Red	1"	North arrow
Cyan	0.006"	Dimension lines

5. Letters and Figures

ALL lettering to be done in SIMPLEX font and as follows:

SECTION OF DRAWING	MINIMUM LETTER HEIGHT (Plotted)

Drawing or Part Number	1/4 inch
Title	3/16 inch
Sub-Title	5/32 inch
Letters and Figures for Body of Drawing	1/8 inch

FLORIDA DEPARTMENT OF EDUCATION
Office of Educational Facilities and SMART Schools Clearinghouse

LETTER OF TRANSMITTAL

TO: Office of Educational Facilities (OEF) 325 West Gaines Street, Room 1054 Tallahassee, Florida 32399-0400 (850) 487-1130, SUNCOM 277-1130 Fax (850) 488-1677 or (850) 488-1442	OEF USE ONLY
INSTRUCTIONS: Submit one copy of the form with project transmitted. Mark the appropriate term in each parenthesis. Complete EACH ITEM 1. - 18. except when transmitting Addenda. Reproduce this form in sufficient quantity for your use.	

OEF Assigned Project Number _____

RE: _____ (School District Community College)

_____ (School Name Campus)

_____ (School College) Code Number

_____ Description of Project

(Attached Under separate cover) is one set of construction documents which (exceed are less than) \$200,000 in construction cost, as APPROVED BY THE BOARD on _____ for the above referenced facility. The information required by Chapter 235, F.S., SBE Rule 6-2.001, FAC, and SREF, for the review of this project is provided as follows:

1. <input type="checkbox"/> Construction Documents SREF 4.3(3) Scheduled bid date when known: _____	2. <input type="checkbox"/> Reuse of construction documents SREF 4.3(2). State first project name: _____ OEF original project approval date: _____
3. <input type="checkbox"/> Others	4. <input type="checkbox"/> Addendum/SREF 4.3(3)(c)11
5. Type of Project* <input type="checkbox"/> New Plant <input type="checkbox"/> Addition <input type="checkbox"/> Remodeling <input type="checkbox"/> Renovation <input type="checkbox"/> _____ *See definitions in SREF 1.2 and S. 235.011, F.S.	6. Type of Facility & Brief Description of Project: _____ _____ _____
7. Grade Levels - Size/Grouping Planned Student Stations of this Project: Actual _____ Ultimate _____ <input type="checkbox"/> N/A	8. (<input type="checkbox"/> Architect's <input type="checkbox"/> Engineer's <input type="checkbox"/> Construction Manager's) Estimate of : Total Construction Project Costs: \$ _____ Gross Sq. Ft. _____ Cost per Sq. Ft. \$ _____ Cost per Student Station: \$ _____
9. Site for New Plant Approved by Board <input type="checkbox"/> Yes, date: _____ <input type="checkbox"/> No <input type="checkbox"/> N/A Site (<input type="checkbox"/> New <input type="checkbox"/> Existing) Contains _____ Acres	10. Board Has Approved Educational or Ancillary Facility Specs. for This Project: <input type="checkbox"/> Yes, date: _____ <input type="checkbox"/> No <input type="checkbox"/> N/A
11. Architect/Engineer - Name: _____ Address: _____ Date of Contract: _____ Telephone: (____) _____ FAX: (____) _____ E-Mail: _____	
12. S. 235.26(1)(e), F.S., Life Cycle Cost and Energy Efficiency Analysis Data Sheets Submitted: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If "No," explain _____	
13. (PL 89-665, Federal Funds) Historical Significance. Project involves building over 50 years old. <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," year building was constructed: _____	
14. Written Agreement with Appropriate Agencies: <input type="checkbox"/> Fire/Police <input type="checkbox"/> Utilities/Connection Fees <input type="checkbox"/> Traffic Control Safety <input type="checkbox"/> Historical Resources - Board shall notify Department of Historical Resources (850) 245-6333 <input type="checkbox"/> Primary Roads/Emergency Access <input type="checkbox"/> Local Comprehensive Plan Approval	

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Revised February 2002

LETTER OF TRANSMITTAL

15. (Rule 6-2.001/SREF 2.1)	Amount of	Survey	PPL
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Source of Funds	Funds	Yes - No	Number
<input type="checkbox"/> PECO/Sum of Digits - S. 235.435(1), F.S.		1	NR
<input type="checkbox"/> PECO/Special Account - S. 235.435(2), F.S.		R	R
<input type="checkbox"/> PECO/Unit Allocation - S. 235.435(3), F.S.		R	NR
<input type="checkbox"/> Junior/Community College - S. 235.435(4), F.S.		R	NR
<input type="checkbox"/> Cooperative Use Facilities - S. 235.195, F.S.		R	NR
<input type="checkbox"/> Community Education Facilities S. 235.196, F.S.		NR	NR
<input type="checkbox"/> Specified Legislative Allocation (Line Item)		NR	NR
<input type="checkbox"/> CO&DS		R6	R6**
<input type="checkbox"/> SBE Bond (COBI)		R	R**
<input type="checkbox"/> Other State (Specify)			
<input type="checkbox"/> S. 237.161, FS., Loan - Debt Service paid from: <input type="checkbox"/> PECO; <input type="checkbox"/> CO&DS; <input type="checkbox"/> Local		2	3**
<input type="checkbox"/> S. 237.162, F.S., Loan - Debt Service paid from: <input type="checkbox"/> 2.0-Mill/ <input type="checkbox"/> Other (Specify):		5	3
<input type="checkbox"/> Local Bonds - Debt Service paid from: <input type="checkbox"/> PECO; <input type="checkbox"/> CO&DS <input type="checkbox"/> Local		2	3**
<input type="checkbox"/> Local Millage (2.0 Mill) - S. 236.25, F.S.		4	NR
<input type="checkbox"/> L.C.I.F.		NR	NR
<input type="checkbox"/> S. 235.056(3)(a), F.S., Lease and Lease Purchase (COP)		R	NR
<input type="checkbox"/> Other Local (Specify):			
<input type="checkbox"/> Federal (Specify): (Davis Bacon Act Wage Rate & Federal Workers Compensation Shall Apply)			
TOTAL			
R - Required		NR - Not Required	
1. Remodeling projects only		4. Required for projects other than renovation, repair, maintenance.	
2. Required if Debt Service is paid from CO&DS or principal is paid from PECO funds		5. Depends on source of funds used to repay loan.	
3. Required if Debt Service is paid from CO&DS funds.		6. Requires PPL and survey recommendation.	
**Community college projects are required to be listed on an approved PPL.			
16. S. 235.212(1)(a), F.S., List passive design elements and low energy usage features included in the design.			
17. Project is Survey Recommended: <input type="checkbox"/> Yes <input type="checkbox"/> No Date of Survey: _____			
18. Use this Space for Additional Information:			

Signature: _____

Date

Signed:

Superintendent, President, Designee)

