District Name: Nelson C	ounty Schools	District Code:	Facility Name:	Bloomfield Middle School	School Code:
Project Name:	Nelson Cou	unty Schools Guarantee	— d Energy Savin	gs Contract	
PROJECT TYPE:	Yes	No	Gross Buil	ding Area (sf.)	
New Building		V			
Addition		☑			
Renovation	<u>−</u>		62	 .,994	
Provisions for Future	<u>—</u>	NA NA		, <u>-</u>	_
Proposed Alternates	s: (1)			
	(2				
	(3				_
Describe special co	nditions, phasi	ing of project and alterna	ates, attach a s	upplemental sheet, if needed.	
BUILDING CONST	RUCTION CH	ARACTERISTICS:			
Description of Buildi	ng Structure:				
Foundatio	n:				
Roof Structur	e:				
	-				
ENERGY EFFICIEN	<u>IT DESIGN (K</u>	RS 157.450 and KRS 1	<u>157.455)</u> :		
66	Energy Cor	nsumption "Existing" (kB	stu/sf/yr)		
35	Energy Cor	nsumption Target (kBtu/	sf/yr)		
YES NO					
	LEED Certi	fied Othe	er:		
	Designed to	o meet Energy Star			
\Box	Exceeds AS	SHRAE 90.1(2007) by 1	0% (Minimum)		
✓ □	Whole Build	ding Life Cycle Cost Ana	alysis Demonstr	rating Cost Effective Design	
	Li	fe Cycle Cost Analysis	Software Used:	Trace 700	
If not yes to one or	more of the	above, explain why.			
	Designed to	o be Net-Zero			
	ū	be Net-Zero Ready			
	Designed to	De Net-Zelo Neady			
Energy Efficient De	esign Feature	es: (See List Page 4, o	r Use Drop Do	own List)	
East / West Building	Orientation	☐ YES ☐ N	0		
Gross Exterior Wall	Area (sf):			Avg. Exterior Wall R-Value:	
Gross Window / Do	or Area (sf):			Avg. Window/Door R-Value:	
Gross Roof Area (sf	·):			Avg. Roof R-Value:	
Exterior Wall Type:					Other:
Roofing Type:	-				Other:
• • •	: D - hybrid wate	er source heat pump system w	vith boiler/chiller and	d well field with air make up	Other:
Classroom Lighting:		, , <u>, , , , , , , , , , , , , , , , , </u>		·	Other:
Active Daylighting:					Other:
Passive Daylighting					Other:
On Site Energy Gen					Other:

Air Purification Systems	S: YES 🗆 NO 🖸]	
Gray Water System :	YES 🗆 NO 🖪]	
Low Water Use Fixture	s: YES □ NO □	1	
0.11			
PLUMBING:			
Type of Sewage Dispos	sal:		_
HEATING, VENTILATION	ON AND AIR CONDITIONING:		
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:x	A/C Only:
Fuel Source/Backup (if	applicable): NA		
ELECTRICAL:			
Source of Electric Power	er:	Lighting Intensity (fc.): Std. Classrooms	
Voltage Serving Facility	<i>r</i> :	Library /Maralia Ota	
Number of Convenienc	e Outlets:	Science Clrm	
Classrooms Library/Media Center		Rusiness Ed	
Business Ed		Shone	
Family & Consumer Sci	ience	Corridors	
Comora Cuotomi		Stairways	
Camera System:		Cafeteria Pre-School Clrm	
		Art Classroom	
		Gymnasium	
SPECIAL EQUIPMENT	<u>[</u> :		
System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell			
Clock			
Fire Alarm			
Telephone		 -	
Television			
Computer			
Wireless Network Interactive White bd			
Voice Amplification			
FIXED EQUIPMENT:			
Teacher Cabinet		Custodial Room Shelves	
Student Lockers		Science Laboratories	
Folding Bleachers		Family & Consumer Sci	
Library Furnishings Dry Food Shelves		Other Other	
Liyi ood Sileives _		Oulei	-

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INTERIOR FINISH SCHEDULE:					
AREA	FLOOR	WAINSCOT	WALLS	CEILING	
General Office			<u> </u>		
Corridors					
Custodial					
Kitchen					
Cafeteria Gym					
Showers/Locker					
Toilets					
Library/Media Cntr					
Classrooms					
Music					
Art Science		-			
FMD					
,					
OTHER AREAS					
		_			
•					
•					
Miscellaneous Proj	ect Specific Feature	es:			
Kentucky Registere	ed Architect:			Date:	
, 0		Signature			
Kentucky Registere	ed Engineer:	0:		Date:	
		Signature			
Board Designee or	Superintendent:			Date:	
9	•	Signature			

Exterior Wall Type

- A face brick, captured air space, board insulation and waterproof CMU
- B face brick, captured air space, sprayed insulation on CMU
- C face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D face brick, ICF poured concrete, interior finish system
- E other, describe

Roofing Type List

- A modified bitumen over rigid insulation
- B EPDM over rigid insulation
- C plastic single ply over rigid insulation
- D metal roofing over nailable deck with insulation
- E asphalt shingle roofing over nailable deck with insulation
- F other, describe

HVAC System Type List

- A two pipe unit ventilator system
- B water source heat pump system with air make up
- C ground source heat pump system with air make up
- D hybrid water source heat pump system with boiler/chiller and well field with air make up
- E variable refrigerant flow (VRF) with air make up
- F hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G variable refrigerant volume (VRV) with air make up
- H hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I chilled beam system
- J hybrid chilled beam/geothermal system
- L other

Classroom Lighting List

- A T8 fluorescent fixtures
- B T5 fluorescent fixtures
- C high energy gas fixtures
- D low voltage systems
- E other

Active Daylight System List

- A classroom fluorescent dimming including dimming switches, ballasts and sensors
- B occupancy light control sensors
- C remote sensor bi-level lighting with no fixtures dimming
- D manual bi-level lighting with no fixture dimming
- E other
- F none

Passive Daylight Systems List

- A upper classroom clerestory lighting with sloped ceiling plane
- B lower classroom clerestory lighting that does NOT require sloping the ceiling place
- C exterior light shelves
- D solar tubes without dimming
- E solar tubes with internal dimmers
- F other
- G none

On Site Energy Generation List

- A solar water heating
- B solar electric generation (small units for demonstration or for limited areas)
- C solar electric generation (to support the entire building's energy needs)
- D wind generation (small units for demonstration or for limited areas)
- E wind generation (to support the entire building's energy needs)
- F other
- G none

District Name: Nelso	on County Schoo	District ols Code:	Facility Name:	New Haven School	School Code:
Project Nam	•		ranteed Energy Savir		
-		•			
PROJECT TYP		No	Gross Bui	Iding Area (sf.)	
New Building					
Addition				1.400	
Renovation	☑ uture Expansion:	. NA	5	1,138	
	·				
Proposed Alterr		(1)(2)			_
		(0)			
Describe specia	l conditions, pha	asing of project and	alternates, attach a s	supplemental sheet, if needed.	
BUILDING COM	ISTRUCTION C	HARACTERISTICS	<u>3</u> :		
Description of R	uilding Structure	: :			
•	Ū				
Exterior '	Walls:				
Roof Stru	cture:				
ENERGY EFFIC	CIENT DESIGN ((KRS 157.450 and	KRS 157.455):		
46		onsumption "Existir	<u>_</u> _		
		·			
37	Energy Co	onsumption Target	(kBtu/st/yr)		
YES NO					
	LEED Cei				
	-	to meet Energy Sta			
			7) by 10% (Minimum)		
✓ □		-		trating Cost Effective Design	
16		-	alysis Software Used	: Trace 700	
if not yes to on	e or more of the	e above, explain w	/ny		
	Designed	to be Net-Zero			
	J	to be Net-Zero Rea	ady		
				I !-4\	
	ding Orientation		ge 4, or Use Drop De	own List)	
Gross Exterior \	ŭ	L TES	L NO	Ava Exterior Mall D Valu	
	` ,			_ Avg. Exterior Wall R-Valu	
Gross Window				_ Avg. Window/Door R-Valu	
Gross Roof Are	` _			_ Avg. Roof R-Valu	e:
Exterior Wall Ty	pe:				Other:
Roofing Type:					Other:
HVAC System 1					Other:
Classroom Ligh	-				Other:
Active Daylightin	<u>-</u>				Other:
Passive Dayligh					Other:
On Site Energy	Generation:				Other:

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2	
HEATING, VENTILAT	TION AND AIR CONDITIONING:		
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:
Fuel Source/Backup (if applicable):		
ELECTRICAL:			
Source of Electric Pov	ver:		
Voltage Serving Facili	ty:	Std. Classrooms Library/Media Ctr Science Lab	
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways	
SPECIAL EQUIPMEN	<u>IT</u> :	-	
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment
FIXED EQUIPMENT:			
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other	

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INTERIOR FINISH SCHEDULE:					
AREA	FLOOR	WAINSCOT	WALLS	CEILING	
General Office			<u> </u>		
Corridors					
Custodial					
Kitchen					
Cafeteria Gym					
Showers/Locker					
Toilets					
Library/Media Cntr					
Classrooms					
Music					
Art Science		-			
FMD					
,					
OTHER AREAS					
		_			
•					
•					
Miscellaneous Proj	ect Specific Feature	es:			
Kentucky Registere	ed Architect:			Date:	
, 0		Signature			
Kentucky Registere	ed Engineer:	0:		Date:	
		Signature			
Board Designee or	Superintendent:			Date:	
9	•	Signature			

Exterior Wall Type

- A face brick, captured air space, board insulation and waterproof CMU
- B face brick, captured air space, sprayed insulation on CMU
- C face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D face brick, ICF poured concrete, interior finish system
- E other, describe

Roofing Type List

- A modified bitumen over rigid insulation
- B EPDM over rigid insulation
- C plastic single ply over rigid insulation
- D metal roofing over nailable deck with insulation
- E asphalt shingle roofing over nailable deck with insulation
- F other, describe

HVAC System Type List

- A two pipe unit ventilator system
- B water source heat pump system with air make up
- C ground source heat pump system with air make up
- D hybrid water source heat pump system with boiler/chiller and well field with air make up
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- I chilled beam system
- J hybrid chilled beam/geothermal system
- L other

Classroom Lighting List

- A T8 fluorescent fixtures
- B T5 fluorescent fixtures
- C high energy gas fixtures
- D low voltage systems
- E other

Active Daylight System List

- A classroom fluorescent dimming including dimming switches, ballasts and sensors
- B occupancy light control sensors
- C remote sensor bi-level lighting with no fixtures dimming
- D manual bi-level lighting with no fixture dimming
- E other
- F none

Passive Daylight Systems List

- A upper classroom clerestory lighting with sloped ceiling plane
- B lower classroom clerestory lighting that does NOT require sloping the ceiling place
- C exterior light shelves
- D solar tubes without dimming
- E solar tubes with internal dimmers
- F other
- G none

On Site Energy Generation List

- A solar water heating
- B solar electric generation (small units for demonstration or for limited areas)
- C solar electric generation (to support the entire building's energy needs)
- D wind generation (small units for demonstration or for limited areas)
- E wind generation (to support the entire building's energy needs)
- F other
- G none

District Name: Nels	on County Schoo	District lls Code:	Facility Name:	Nelson County High School	School Code:
Project Nar		<u> </u>	ranteed Energy Savin		
PROJECT TYP		No —	Gross Buil	Iding Area (sf.)	
New Building		☑			
Addition		✓			
Renovation	✓		17	9708	
Provisions for I	uture Expansion:				
Proposed Alter	nates: ((1)			
	((2) (3)			
Describe speci	al conditions inha-	sing of project and	alternates attach a s	supplemental sheet, if needed.	
Describe speci	ar conditions, pria	sing of project and	alternates, attach a s	варрієтенкаї эпеск, ії песаса.	
BUILDING CO	NSTRUCTION CI	HARACTERISTICS	<u>3</u> :		
Description of E	Building Structure:	<u>.</u>			
•	•				
Exterior	vvalis.				
Roof Str	ıcture:				
ENERGY EFFI	CIENT DESIGN (KRS 157.450 and	KRS 157.455):		
42	Energy Co	onsumption "Existir	ng" (kBtu/sf/yr)		
38	Energy Co	onsumption Target	(kBtu/sf/yr)		
YES NO					
	LEED Cer	tified	Other:		
	Designed	to meet Energy Sta			
	Exceeds A	ASHRAE 90.1(200)	7) by 10% (Minimum)		
				rating Cost Effective Design	
			alysis Software Used:		
If not yes to o	ne or more of the	e above, explain w	/hy		
	Decimand	to be Net Zee			
	ū	to be Net-Zero	adv		
	Designed	to be Net-Zero Rea	auy		
Energy Efficie	nt Design Featur	res: (See List Pag	ge 4, or Use Drop Do	own List)	
	Iding Orientation	☐ YES	□ NO		
Gross Exterior	Wall Area (sf):			_ Avg. Exterior Wall R-Value:	
Gross Window	/ Door Area (sf):			_ Avg. Window/Door R-Value:	
Gross Roof Are	a (sf):			_ Avg. Roof R-Value:	
Exterior Wall T	/pe:				Other:
Roofing Type:					Other:
HVAC System	Гуре:				Other:
Classroom Ligh	ting: E - other				Other:
Active Daylight	ng:				Other:
Passive Daylig	nting:				Other:
On Site Energy	Generation:				Other:

Air Purification Systems	: YES 🗆 NO) 🗸		
Gray Water System :	YES 🗆 NO) v		
	: YES 🗆 NO			
PLUMBING:				
Type of Sewage Dispos	al:			
HEATING, VENTILATION	ON AND AIR CONDITIONIN	NG:		
Heating Only:	_ Heating & Mechanical: Ventilation Only	<u> </u>	HVAC:	A/C Only:
Fuel Source/Backup (if	applicable):			
ELECTRICAL:				
Source of Electric Powe	r:		Lighting Intensity (fc.)):
Voltage Serving Facility	<u> </u>		Std. Classrooms Library/Media Ctr Science Lab	
Number of Convenience Classrooms Library/Media Center Business Ed			Science Clrm Band/Music Business Ed Shops	
Family & Consumer Science Camera System:	ence		Corridors Stairways Cafeteria Pre-School Clrm Art Classroom	
SPECIAL EQUIPMENT	:		Gymnasium	
System	Conduit Only	Condu	uit & Wiring	Complete with Equipment
Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification				
FIXED EQUIPMENT:				
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves			Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other	

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INTERIOR FINISH SCHEDULE:					
AREA	FLOOR	WAINSCOT	WALLS	CEILING	
General Office			<u> </u>		
Corridors					
Custodial					
Kitchen					
Cafeteria Gym					
Showers/Locker					
Toilets					
Library/Media Cntr					
Classrooms					
Music					
Art Science		-			
FMD					
,					
OTHER AREAS					
•					
•					
Miscellaneous Proj	ect Specific Feature	es:			
Kentucky Registere	ed Architect:			Date:	
, 0		Signature			
Kentucky Registere	ed Engineer:	0:		Date:	
		Signature			
Board Designee or	Superintendent:			Date:	
9	•	Signature			

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- E wind generation (to support the entire building's energy needs)
- F other
- G none

Name:	Nelson Co	District unty Schools Code:	Facility Name:	Bloomfield Elementary School	School Code:
Proi	ect Name:	Nelson County Schools G		•	
	CT TYPE:	Yes No	Gross Bu	ilding Area (sf.)	
New Bui	Ū				
Addition					
Renovat	tion	✓ □	5	4,919	
Provisio	ns for Future	Expansion: NA			
Propose	ed Alternates:	;_;			
		(2) (3)			
Describe	e special con	ditions, phasing of project a	nd alternates, attach a	supplemental sheet, if needed.	
BIIII DII	NG CONSTR	UCTION CHARACTERIST	ICe:		
			103 .		
Descript	tion of Buildin	•			
	Touridation				
E	exterior Walls	:			
R	oof Structure				
	oor ou dotare				
ENERG	Y EFFICIENT	DESIGN (KRS 157.450 a	nd KRS 157.455):		
	39	Energy Consumption "Exi	-		
			• , • ,		
	35	_Energy Consumption Targ	get (kBtu/sf/yr)		
YES	NO				
			Othor		
	✓	LEED Certified			
	✓	Designed to meet Energy	Star		
		Designed to meet Energy Exceeds ASHRAE 90.1(2)	Star 007) by 10% (Minimum)	
_	V	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle	Star 007) by 10% (Minimum Cost Analysis Demons) trating Cost Effective Design	
- ✓		Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used) trating Cost Effective Design	
- ✓		Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used) trating Cost Effective Design	
☑ ☑ If not ye	es to one or	Designed to meet Energy Exceeds ASHRAE 90.1(2: Whole Building Life Cycle Life Cycle Cost a	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used) trating Cost Effective Design	
☑ ☑ If not ye	es to one or	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost Amore of the above, explain Designed to be Net-Zero	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why.) trating Cost Effective Design	
If not ye	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost a more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready	trating Cost Effective Design: Trace 700	
If not ye	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost Amore of the above, explain Designed to be Net-Zero Designed to be Net-Zero I	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready	trating Cost Effective Design: Trace 700	
If not ye	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost A more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready	trating Cost Effective Design: Trace 700	
If not ye	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost A more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design: Trace 700	
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost A more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Drientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design : Trace 700	
If not year	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost a more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design : Trace 700 Down List) Avg. Exterior Wall R-Value:	
If not year Energy East / W Gross E Gross W Gross R	es to one or l	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost a more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design Trace 700 Down List) Avg. Exterior Wall R-Value: Avg. Window/Door R-Value:	Other:
If not year Energy East / W Gross E Gross W Gross R	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost a more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design Trace 700 Down List) Avg. Exterior Wall R-Value: Avg. Window/Door R-Value:	Other:
If not year If not year Energy East / W Gross E Gross W Gross R Exterior Roofing	es to one or i	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost a more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design Trace 700 Down List) Avg. Exterior Wall R-Value: Avg. Window/Door R-Value:	
If not year If not year Energy East / W. Gross E. Gross W. Gross R. Exterior Roofing HVAC S.	es to one or of the state of th	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost a more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design Trace 700 Down List) Avg. Exterior Wall R-Value: Avg. Window/Door R-Value:	Other:
If not year If not year Energy East / W. Gross E. Gross W. Gross R. Exterior Roofing HVAC S. Classroo	es to one or of the state of th	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost Amore of the above, explain Designed to be Net-Zero Designed to be Net-Zero I Sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design Trace 700 Down List) Avg. Exterior Wall R-Value: Avg. Window/Door R-Value:	Other:
If not year If not year Energy East / W. Gross E. Gross W. Gross R. Exterior Roofing HVAC S. Classrood Active D.	es to one or of the state of th	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost Amore of the above, explain Designed to be Net-Zero Designed to be Net-Zero I Sign Features: (See List I Orientation	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design Trace 700 Down List) Avg. Exterior Wall R-Value: Avg. Window/Door R-Value:	Other: Other: Other: Other:
Energy East / W Gross E Gross W Gross R Exterior Roofing HVAC S Classroo Active D Passive	es to one or of the set of the set Building (set Ender Wall A vindow / Door Roof Area (sf): Wall Type: Type: Type: System Type:	Designed to meet Energy Exceeds ASHRAE 90.1(2) Whole Building Life Cycle Life Cycle Cost a more of the above, explain Designed to be Net-Zero Designed to be Net-Zero I sign Features: (See List I Orientation YES area (sf): Area (sf): E - other	Star 007) by 10% (Minimum Cost Analysis Demons Analysis Software Used n why. Ready Page 4, or Use Drop D	trating Cost Effective Design Trace 700 Down List) Avg. Exterior Wall R-Value: Avg. Window/Door R-Value:	Other: Other: Other:

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2	
HEATING, VENTILAT	TION AND AIR CONDITIONING:		
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:
Fuel Source/Backup (if applicable):		
ELECTRICAL:			
Source of Electric Pov	ver:		
Voltage Serving Facili	ty:	Std. Classrooms Library/Media Ctr Science Lab	
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways	
SPECIAL EQUIPMEN	<u>IT</u> :	-	
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment
FIXED EQUIPMENT:			
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other	

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INTERIOR FINISH SCHEDULE:					
AREA	FLOOR	WAINSCOT	WALLS	CEILING	
General Office			<u> </u>		
Corridors					
Custodial					
Kitchen					
Cafeteria Gym					
Showers/Locker					
Toilets					
Library/Media Cntr					
Classrooms					
Music					
Art Science		-			
FMD					
,					
OTHER AREAS					
•					
•					
Miscellaneous Proj	ect Specific Feature	es:			
Kentucky Registere	ed Architect:			Date:	
, 0		Signature			
Kentucky Registere	ed Engineer:	0:		Date:	
		Signature			
Board Designee or	Superintendent:			Date:	
9	•	Signature			

Exterior Wall Type

- A face brick, captured air space, board insulation and waterproof CMU
- B face brick, captured air space, sprayed insulation on CMU
- C face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D face brick, ICF poured concrete, interior finish system
- E other, describe

Roofing Type List

- A modified bitumen over rigid insulation
- B EPDM over rigid insulation
- C plastic single ply over rigid insulation
- D metal roofing over nailable deck with insulation
- E asphalt shingle roofing over nailable deck with insulation
- F other, describe

HVAC System Type List

- A two pipe unit ventilator system
- B water source heat pump system with air make up
- C ground source heat pump system with air make up
- D hybrid water source heat pump system with boiler/chiller and well field with air make up
- E variable refrigerant flow (VRF) with air make up
- F hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G variable refrigerant volume (VRV) with air make up
- H hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I chilled beam system
- J hybrid chilled beam/geothermal system
- L other

Classroom Lighting List

- A T8 fluorescent fixtures
- B T5 fluorescent fixtures
- C high energy gas fixtures
- D low voltage systems
- E other

Active Daylight System List

- A classroom fluorescent dimming including dimming switches, ballasts and sensors
- B occupancy light control sensors
- C remote sensor bi-level lighting with no fixtures dimming
- D manual bi-level lighting with no fixture dimming
- E other
- F none

Passive Daylight Systems List

- A upper classroom clerestory lighting with sloped ceiling plane
- B lower classroom clerestory lighting that does NOT require sloping the ceiling place
- C exterior light shelves
- D solar tubes without dimming
- E solar tubes with internal dimmers
- F other
- G none

On Site Energy Generation List

- A solar water heating
- B solar electric generation (small units for demonstration or for limited areas)
- C solar electric generation (to support the entire building's energy needs)
- D wind generation (small units for demonstration or for limited areas)
- E wind generation (to support the entire building's energy needs)
- F other
- G none

District Name:	Nelson Co	ounty Schools	District Code:	Facility Name:	Old Kentucky Home Middle Scho	School Code:
	ect Name:			aranteed Energy Savir		
1 10	cot Name.	1403011 000	nty ocnools ou	aranteed Energy Cavil	igo Odniraci	
	CT TYPE:	Yes	No	Gross Buil	Iding Area (sf.)	
New Bu	-		 ✓	-		
Addition			abla	-		
Renova	tion	V		87	7,500	
Provisio	ons for Future	Expansion:	NA			
Propose	ed Alternates:	(1))			
		(2))			
D		` .				
Describ	e speciai con	ditions, phasii	ng of project an	d aiternates, attach a s	supplemental sheet, if needed.	
BUILDI	NG CONSTR	UCTION CHA	ARACTERISTIC	es:		
				 -		
Descrip	tion of Buildin Foundation	-				
i	Exterior Walls	:				
F	Roof Structure	:				
ENERG	Y EFFICIEN	T DESIGN (K	RS 157.450 and	d KRS 157.455):		
	31	_Energy Con	sumption "Exist	ing" (kBtu/sf/yr)		
	28	Energy Con	sumption Targe	et (kBtu/sf/yr)		
YES	NO	_				
	✓	LEED Certif	ied	Other:		
	□		meet Energy S			
<u> </u>		•		07) by 10% (Minimum)		
<u></u> ✓					rating Cost Effective Design	
_	_		-	nalysis Software Used:		
If not y	es to one or		above, explain			
			· •	-		
	V	Designed to	be Net-Zero			
	V	Designed to	be Net-Zero R	eady		
Energy	Efficient De	sign Feature	s: (See List Pa	age 4, or Use Drop Do	own List)	
East / V	Vest Building	Orientation	☐ YES	□ NO		
Gross E	exterior Wall A	Area (sf):			Avg. Exterior Wall R-Value:	
Gross V	Vindow / Doo	r Area (sf):			Avg. Window/Door R-Value:	
	Roof Area (sf)				Avg. Roof R-Value:	
Exterior	· Wall Type:				_	Other:
Roofing	,,					Other:
_	System Type:					Other:
	om Lighting:	E - other				Other:
	Daylighting:	_				Other:
	: Daylighting:					Other:
	Energy Gene	eration:				Other:
						<u> </u>

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2				
HEATING, VENTILAT	TION AND AIR CONDITIONING:					
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:			
Fuel Source/Backup (if applicable):					
ELECTRICAL:						
Source of Electric Pov	ver:	Lighting Intensity (fc.): Std. Classrooms				
Voltage Serving Facili	ty:	Library/Media Ctr Science Lab				
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways				
SPECIAL EQUIPMEN	<u>IT</u> :	-				
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment			
FIXED EQUIPMENT:						
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other				

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INTERIOR FINISH	INTERIOR FINISH SCHEDULE:						
AREA	FLOOR	WAINSCOT	WALLS	CEILING			
General Office			<u> </u>				
Corridors							
Custodial							
Kitchen							
Cafeteria Gym							
Showers/Locker							
Toilets							
Library/Media Cntr							
Classrooms							
Music							
Art Science		-					
FMD							
,							
OTHER AREAS							
•							
•							
Miscellaneous Proj	ect Specific Feature	es:					
Kentucky Registere	ed Architect:			Date:			
, 0		Signature					
Kentucky Registere	ed Engineer:	0:		Date:			
		Signature					
Board Designee or	Superintendent:			Date:			
9	•	Signature					

Exterior Wall Type

- A face brick, captured air space, board insulation and waterproof CMU
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- D wind generation (small units for demonstration or for limited areas)
- E wind generation (to support the entire building's energy needs)
- F other
- G none

District Name: Nels	on County School	District Is Code:	Facility Name:	Boston School	School Code:
Project Nar	ile. <u>Neison Co</u>	drity Schools Guar	anteed Energy Savin	gs Contract	
PROJECT TYPE	'E: Yes	No	Gross Buil	ding Area (sf.)	
New Building		abla			
Addition		\checkmark			
Renovation	V		50	,830	
Provisions for F	uture Expansion:	NA			
Proposed Alter	nates: (1)			
		2)			
	,				
Describe speci	al conditions, phas	sing of project and	alternates, attach a s	upplemental sheet, if needed.	
BUILDING CO	NSTRUCTION CE	HARACTERISTICS	į:		
•	Building Structure:				
Foun	dation:				
Roof Str	ucture:				
	-				
ENERGY EFFI	<u>CIENT DESIGN (I</u>	KRS 157.450 and	KRS 157.455):		
39	Energy Co	nsumption "Existin	g" (kBtu/sf/yr)		
37	Energy Co	nsumption Target	(kBtu/sf/yr)		
YES NO		,			
	LEED Cert	tified	Other:		
		to meet Energy Sta	-		
	-	••) by 10% (Minimum)		
				rating Cost Effective Design	
			llysis Software Used:		
If not yes to o		above, explain w	1		
	ū	to be Net-Zero			
	Designed t	to be Net-Zero Rea	ady		
Energy Efficie	nt Design Featur	es: (See List Paç	je 4, or Use Drop Do	own List)	
East / West Bu	lding Orientation	☐ YES	□ NO		
Gross Exterior	Wall Area (sf):			Avg. Exterior Wall R-Value:	
Gross Window	/ Door Area (sf):			Avg. Window/Door R-Value:	
Gross Roof Are	a (sf):			Avg. Roof R-Value:	
Exterior Wall T	/pe:				Other:
Roofing Type:					Other:
HVAC System	Туре:				Other:
Classroom Ligh	ting: E - other				Other:
Active Daylight	ng:				Other:
Passive Daylig	nting:				Other:
On Site Energy	Generation:				Other:

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2				
HEATING, VENTILAT	TION AND AIR CONDITIONING:					
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:			
Fuel Source/Backup (if applicable):					
ELECTRICAL:						
Source of Electric Pov	ver:	Lighting Intensity (fc.): Std. Classrooms				
Voltage Serving Facili	ty:	Library/Media Ctr Science Lab				
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways				
SPECIAL EQUIPMEN	<u>IT</u> :	-				
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment			
FIXED EQUIPMENT:						
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other				

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INTERIOR FINISH	INTERIOR FINISH SCHEDULE:						
AREA	FLOOR	WAINSCOT	WALLS	CEILING			
General Office			<u> </u>				
Corridors							
Custodial							
Kitchen							
Cafeteria Gym							
Showers/Locker							
Toilets							
Library/Media Cntr							
Classrooms							
Music							
Art Science		-					
FMD							
,							
OTHER AREAS							
•							
•							
Miscellaneous Proj	ect Specific Feature	es:					
Kentucky Registere	ed Architect:			Date:			
, 0		Signature					
Kentucky Registere	ed Engineer:	0:		Date:			
		Signature					
Board Designee or	Superintendent:			Date:			
9	•	Signature					

Exterior Wall Type

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- J hybrid chilled beam/geothermal system
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- G none

District Name:	Nelson Co	unty Schools	District Code:	Facility Name:	Foster Heights Elementary School	School Code:
	t Name:	•		ranteed Energy Savin		
i iojec	t Name.	INCISOIT COU	Tity Scribbis Gua	nanteed Energy Savin	gs Contract	
PROJECT		Yes	No	Gross Buil	ding Area (sf.)	
New Build	ing		 ✓			
Addition			✓			
Renovation	n	✓		88	,307	
Provisions	for Future	Expansion:	NA			
Proposed	Alternates:)			
		(2)			
Describe :	special cond	ditions, phasi	ng of project and	alternates, attach a s	upplemental sheet, if needed.	
				_		
BUILDING	<u> CONSTR</u>	UCTION CHA	ARACTERISTIC	<u>S</u> :		
•		g Structure:				
	Foundation	<u> </u>				
LA	ionor rrano					
Roo	of Structure	:				
ENERGY	EFFICIEN 1	DESIGN (K	RS 157.450 and	KRS 157.455):		
	26	_Energy Con	sumption "Existi	ng" (kBtu/sf/yr)		
	23	- Energy Con	sumption Target	(kBtu/sf/vr)		
YES	NO		oumption range	(NDta/on/yr)		
		LEED Contit	i a d	Othor		
		LEED Certif				
		•	meet Energy St			
				7) by 10% (Minimum)	notice Coat Effective Desire	
√			-		rating Cost Effective Design	
If not yes	to one or i		-	alysis Software Used:	Trace 700	
ii not yes	to one or i	nore or the a	above, explain v	wiiy.		
		Designed to	be Net-Zero			
	_ _	Designed to	be Net-Zero Re	ady		
					1 !=4\	
		_		ge 4, or Use Drop Do	own List)	
	st Building(☐ YES	□ NO	Ava Exterior Well D Value	
	erior Wall A	` ,			Avg. Exterior Wall R-Value:	
	ndow / Door	` ,	-		Avg. Window/Door R-Value:	
Gross Ro	of Area (sf):				_ Avg. Roof R-Value:	
Exterior W						Other:
Roofing T						Other:
-	stem Type:					Other:
	n Lighting:	E - other				Other:
Active Da	ylighting:					Other:
Passive D	aylighting:					Other:
On Site E	nergy Gene	ration:				Other:

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2				
HEATING, VENTILAT	TION AND AIR CONDITIONING:					
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:			
Fuel Source/Backup (if applicable):					
ELECTRICAL:						
Source of Electric Pov	ver:	Lighting Intensity (fc.): Std. Classrooms				
Voltage Serving Facili	ty:	Library/Media Ctr Science Lab				
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways				
SPECIAL EQUIPMEN	<u>IT</u> :	-				
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment			
FIXED EQUIPMENT:						
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other				

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INTERIOR FINISH	INTERIOR FINISH SCHEDULE:						
AREA	FLOOR	WAINSCOT	WALLS	CEILING			
General Office			<u> </u>				
Corridors							
Custodial							
Kitchen							
Cafeteria Gym							
Showers/Locker							
Toilets							
Library/Media Cntr							
Classrooms							
Music							
Art Science		-					
FMD							
,							
OTHER AREAS							
•							
•							
Miscellaneous Proj	ect Specific Feature	es:					
Kentucky Registere	ed Architect:			Date:			
, 0		Signature					
Kentucky Registere	ed Engineer:	0:		Date:			
		Signature					
Board Designee or	Superintendent:			Date:			
9	•	Signature					

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- E wind generation (to support the entire building's energy needs)
- F other
- G none

District Name:	Nelson Co	ounty Schools	District	Facility Name:	Cox's Creek Elementary School	School Code:
	ect Name:	•				
Fioje	ct Name.	Neison Cou	ınty Schools Guaran	teed Energy Savii	ngs Contract	
	CT TYPE:	Yes	No	Gross Bui	ilding Area (sf.)	
New Buil	lding					
Addition			\checkmark			
Renovati	ion	✓		52	2,833	
Provision	ns for Future	Expansion:	NA			
Propose	d Alternates:)			
		(2				
Dogoribo		•				
Describe	e speciai con	ditions, phasi	ing of project and ait	ernates, attach a s	supplemental sheet, if needed.	
BIII DIA	IC CONSTR	LICTION CH	ADACTEDISTICS.			
			ARACTERISTICS:			
Descripti	ion of Buildin	-				
	Foundation	·				
Е	xterior Walls	:				
_						
Ro	oof Structure	:				
			_	_		
<u>ENERGY</u>	Y EFFICIEN	<u>r design (k</u>	RS 157.450 and KR	<u>RS 157.455)</u> :		
	24	_Energy Con	nsumption "Existing"	(kBtu/sf/yr)		
	23	Energy Con	nsumption Target (kE	Btu/sf/yr)		
YES	NO					
	V	LEED Certif	fied C	Other:		
	V	Designed to	meet Energy Star			_
V		Exceeds AS	SHRAE 90.1(2007) b	y 10% (Minimum))	
✓		Whole Build	ding Life Cycle Cost	Analysis Demons	trating Cost Effective Design	
		Li	fe Cycle Cost Analys	sis Software Used	l: Trace 700	
If not ye	s to one or	more of the	above, explain why	<u> </u>		
		- II				
		J	be Net-Zero	_		
	V	Designed to	be Net-Zero Ready	•		
Energy I	Efficient De	sign Feature	s: (See List Page	4, or Use Drop D	own List)	
East / W	est Building	Orientation	☐ YES ☐	NO		
Gross Ex	xterior Wall A	Area (sf):			Avg. Exterior Wall R-Value:	
Gross W	indow / Doo	r Area (sf):			Avg. Window/Door R-Value:	
Gross R	oof Area (sf)				Avg. Roof R-Value:	
Exterior '	Wall Type:					Other:
Roofing	Туре:					Other:
HVAC S	ystem Type:					Other:
Classroo	m Lighting:	E - other				Other:
Active Da	aylighting:					Other:
	Daylighting:					Other:
On Site I	Energy Gene	eration:				Other:

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2				
HEATING, VENTILAT	TION AND AIR CONDITIONING:					
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Fuel Source/Backup (if applicable):					
ELECTRICAL:						
Source of Electric Pov	ver:	Lighting Intensity (fc.): Std. Classrooms				
Voltage Serving Facili	ty:	Library/Media Ctr Science Lab				
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways				
SPECIAL EQUIPMEN	<u>IT</u> :	-				
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment			
FIXED EQUIPMENT:						
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other				

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INTERIOR FINISH	INTERIOR FINISH SCHEDULE:						
AREA	FLOOR	WAINSCOT	WALLS	CEILING			
General Office			<u> </u>				
Corridors							
Custodial							
Kitchen							
Cafeteria Gym							
Showers/Locker							
Toilets							
Library/Media Cntr							
Classrooms							
Music							
Art Science		-					
FMD							
,							
OTHER AREAS							
•							
•							
Miscellaneous Proj	ect Specific Feature	es:					
Kentucky Registere	ed Architect:			Date:			
, 0		Signature					
Kentucky Registere	ed Engineer:	0:		Date:			
		Signature					
Board Designee or	Superintendent:			Date:			
9	•	Signature					

Exterior Wall Type

- A face brick, captured air space, board insulation and waterproof CMU
- B face brick, captured air space, sprayed insulation on CMU
- C face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D face brick, ICF poured concrete, interior finish system
- E other, describe

Roofing Type List

- A modified bitumen over rigid insulation
- B EPDM over rigid insulation
- C plastic single ply over rigid insulation
- D metal roofing over nailable deck with insulation
- E asphalt shingle roofing over nailable deck with insulation
- F other, describe

HVAC System Type List

- A two pipe unit ventilator system
- B water source heat pump system with air make up
- C ground source heat pump system with air make up
- D hybrid water source heat pump system with boiler/chiller and well field with air make up
- E variable refrigerant flow (VRF) with air make up
- F hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G variable refrigerant volume (VRV) with air make up
- H hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I chilled beam system
- J hybrid chilled beam/geothermal system
- L other

Classroom Lighting List

- A T8 fluorescent fixtures
- B T5 fluorescent fixtures
- C high energy gas fixtures
- D low voltage systems
- E other

Active Daylight System List

- A classroom fluorescent dimming including dimming switches, ballasts and sensors
- B occupancy light control sensors
- C remote sensor bi-level lighting with no fixtures dimming
- D manual bi-level lighting with no fixture dimming
- E other
- F none

Passive Daylight Systems List

- A upper classroom clerestory lighting with sloped ceiling plane
- B lower classroom clerestory lighting that does NOT require sloping the ceiling place
- C exterior light shelves
- D solar tubes without dimming
- E solar tubes with internal dimmers
- F other
- G none

On Site Energy Generation List

- A solar water heating
- B solar electric generation (small units for demonstration or for limited areas)
- C solar electric generation (to support the entire building's energy needs)
- D wind generation (small units for demonstration or for limited areas)
- E wind generation (to support the entire building's energy needs)
- F other
- G none

District Name:	Nelson Co	unty Schools	District	Facility Name:	Central Office	School Code:			
Projec	roject Name: Nelson County Schools Guaranteed Energy Savings Contract								
PROJECT	TYPE:	Yes	No	Gross Build	ding Area (sf.)				
New Build	ing		abla						
Addition			abla						
Renovatio	n	V		19	,008				
Provisions for Future Expansion: NA									
Proposed Alternates: (1)									
		(2)							
		,							
Describe s	special cond	litions, phasir	ng of project and	l alternates, attach a s	upplemental sheet, if needed.				
BUILDING	CONSTR	UCTION CHA	ARACTERISTIC	<u>S</u> :					
Description	n of Building	g Structure:							
ŀ	Foundation:								
		-							
LX	crioi vvalio.								
Roc	of Structure:								
ENERGY	EFFICIENT	DESIGN (K	RS 157.450 and	KRS 157.455):					
	47	Energy Con	sumption "Existi	ng" (kBtu/sf/yr)					
4	44	Energy Con	sumption Target	(kBtu/sf/vr)					
YES	NO		p	. (, . ,					
	□	LEED Certif	ied	Other:					
	✓		meet Energy St						
		•		7) by 10% (Minimum)					
<u> </u>					rating Cost Effective Design				
		Lif	e Cycle Cost An	alysis Software Used:	Trace 700				
If not yes	to one or r	nore of the a	above, explain v	why.					
		ŭ	be Net-Zero						
	✓	Designed to	be Net-Zero Re	ady					
Energy Ef	fficient Des	ign Features	s: (See List Pa	ge 4, or Use Drop Do	own List)				
East / Wes	st Building (Orientation	☐ YES	□ NO					
Gross Exte	erior Wall A	rea (sf):			Avg. Exterior Wall R-Value				
	ndow / Door	` '			Avg. Window/Door R-Value				
Gross Roo	Gross Roof Area (sf): Avg. Roof R-Value:								
Exterior W	/all Type:	Other:							
Roofing Type:						Other:			
•	stem Type:	Other:							
Classroom Lighting: E - other						Other:			
Active Daylighting: Passive Daylighting:						Other:			
Passive Daylighting: On Site Energy Generation:						Other: Other:			
On Site Ef	iergy Gene	Ouler.							

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2								
HEATING, VENTILATION AND AIR CONDITIONING:										
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:							
Fuel Source/Backup (if applicable):									
ELECTRICAL:										
Source of Electric Pov	ver:									
Voltage Serving Facili	ty:	Std. Classrooms Library/Media Ctr Science Lab								
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways								
SPECIAL EQUIPMEN	<u>IT</u> :	-								
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment							
FIXED EQUIPMENT:										
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other								

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INTERIOR FINISH SCHEDULE:									
AREA	FLOOR	WAINSCOT	WALLS	CEILING					
General Office									
Corridors									
Custodial									
Kitchen									
Cafeteria Gym									
Showers/Locker									
Toilets									
Library/Media Cntr									
Classrooms									
Music									
Art Science									
FMD									
OTHER AREAS									
,									
Miscellaneous Proj	ect Specific Feature	es:							
Kentucky Registere		Date:							
		Signature							
Kentucky Registere	ed Engineer:		Date:						
		Signature							
Board Designee or	Superintendent:		Date:						
		Signature							

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- E wind generation (to support the entire building's energy needs)
- F other
- G none

District Name:	Nelson Co	ounty Schools	District Code:	Facility Name:	Horizon Academy	School Code:	
	ject Name:			aranteed Energy Savir			
	•		-				
	CT TYPE:	Yes	No _	Gross Bui	Iding Area (sf.)		
New Bu	-		 ✓	-			
Addition			✓				
Renova		 ✓),213		
Provision	ons for Future	Expansion:	NA				
Propos	ed Alternates:	,					
		(2 (3	`				
Describ	ne snecial con	ditione nhaci			supplemental sheet, if ne		
	oc special con	ditions, priasi	ing or project arr	d alternates, attach a t	supplemental sheet, if her	sucu.	
BUILDI	NG CONSTR	UCTION CH	ARACTERISTIC	<u>CS</u> :			
Descrip	tion of Buildin	a Structure:					
		-					
ı	Exterior Walls	-					
,	LATERIOI VVAIIS	·					
F	Roof Structure	:					
		-					-
ENERG	Y EFFICIEN	T DESIGN (K	RS 157.450 and	d KRS 157.455):			
	36	_Energy Cor	nsumption "Exist	ting" (kBtu/sf/yr)			
	32	_Energy Cor	nsumption Targe	et (kBtu/sf/yr)			
YES	NO						
	~	LEED Certi	fied	Other:			
	✓	Designed to	meet Energy S				
V		Exceeds AS	SHRAE 90.1(20	07) by 10% (Minimum)			
✓		Whole Build	ding Life Cycle C	Cost Analysis Demonst	rating Cost Effective Des	ign	
		Li	fe Cycle Cost A	nalysis Software Used	Trace 700		
If not y	es to one or	more of the	above, explain	why.			
		Designed to	o be Net-Zero				
	<u> </u>	ŭ	be Net-Zero R	eady			
		-	•	age 4, or Use Drop D	own List)		
	Vest Building		☐ YES	□ NO			
	Exterior Wall A	` ,			_ Avg. Exterior Wall F		
	Window / Doo				_ Avg. Window/Door F	·	
Gross F	Roof Area (sf)	:			_ Avg. Roof F	R-Value:	
Exterior	Wall Type:					Other:	
Roofing						Other:	
	System Type:					Other:	
Classro	om Lighting:	E - other				Other:	
Active [Daylighting:					Other:	
Active I						Other: Other: Other:	

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2	
HEATING, VENTILAT	TION AND AIR CONDITIONING:		
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:
Fuel Source/Backup (if applicable):		
ELECTRICAL:			
Source of Electric Pov	ver:		
Voltage Serving Facili	ty:	Std. Classrooms Library/Media Ctr Science Lab	
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways	
SPECIAL EQUIPMEN	<u>IT</u> :	-	
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment
FIXED EQUIPMENT:			
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other	

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INTERIOR FINISH SCHEDULE:									
AREA	FLOOR	WAINSCOT	WALLS	CEILING					
General Office			<u> </u>						
Corridors									
Custodial									
Kitchen									
Cafeteria Gym									
Showers/Locker									
Toilets									
Library/Media Cntr									
Classrooms									
Music									
Art Science		-							
FMD									
,									
OTHER AREAS									
•									
•									
Miscellaneous Proj	ect Specific Feature	es:							
Kentucky Registere	ed Architect:			Date:					
, 0		Signature							
Kentucky Registere	ed Engineer:	0:		Date:					
		Signature							
Board Designee or	Superintendent:			Date:					
9	•	Signature							

Exterior Wall Type

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- F other
- G none

District Name:	Nelson Co	ounty Schools	District Code:	Facility Name:	Maintenance Office	School Code:
	ect Name:	•	inty Schools Guaran			
1 10,6	oct Marrie.	Neison Cou	inty Schools Guaran	leed Ellergy Savii	igs contract	
	CT TYPE:	Yes	No	Gross Bui	Iding Area (sf.)	
New Bui	lding		☑			
Addition			✓			
Renovat	ion	✓		5	,459	
Provision	ns for Future	Expansion:	NA			
Propose	d Alternates:)			
		(2))			
Danasiha						
Describe	e speciai con	ditions, phasi	ng of project and alte	ernates, attach a s	supplemental sheet, if needed.	
BIIII DIN	IC CONSTR	LICTION CH	ARACTERISTICS:			
			ARACTERISTICS.			
Descript	ion of Buildin	_				
	Foundation	:				
Е	xterior Walls	:				
	(0)	•				
R	oof Structure	:				
ENEDO	v ====================================		TDO 457 450 I KD	0.457.455		
ENERG	Y EFFICIEN	-	RS 157.450 and KR			
	20	_Energy Con	sumption "Existing"	(kBtu/sf/yr)		
	19	_Energy Con	nsumption Target (kE	stu/sf/yr)		
YES	NO					
	V	LEED Certif	fied C	ther:		
	V	Designed to	meet Energy Star			_
V		Exceeds AS	SHRAE 90.1(2007) b	y 10% (Minimum)		
V		Whole Build	ding Life Cycle Cost	Analysis Demonst	rating Cost Effective Design	
		Lif	fe Cycle Cost Analys	is Software Used	: Trace 700	
If not ye	s to one or	more of the a	above, explain why	·		
	V	U	be Net-Zero			
	V	Designed to	be Net-Zero Ready			
Energy	Efficient De	sign Feature	s: (See List Page	, or Use Drop D	own List)	
East / W	est Building	Orientation	☐ YES ☐	NO		
Gross E	xterior Wall A	Area (sf):			_ Avg. Exterior Wall R-Value:	
Gross W	/indow / Doo	r Area (sf):			Avg. Window/Door R-Value:	
Gross R	oof Area (sf)				_ Avg. Roof R-Value:	
Exterior	Wall Type:					Other:
Roofing	Туре:					Other:
•	ystem Type:					Other:
	om Lighting:	E - other				Other:
	aylighting:					Other:
	Daylighting:					Other:
	Energy Gene	eration:		_		Other:

Air Purification System Gray Water System: Low Water Use Fixtur Other: PLUMBING: Type of Sewage Dispo	YES NO F	<u>.</u> 2	
HEATING, VENTILAT	TION AND AIR CONDITIONING:		
Heating Only:	Heating & Mechanical: Ventilation Only	HVAC:	A/C Only:
Fuel Source/Backup (if applicable):		
ELECTRICAL:			
Source of Electric Pov	ver:		
Voltage Serving Facili	ty:	Std. Classrooms Library/Media Ctr Science Lab	
Number of Convenien Classrooms Library/Media Center Business Ed Family & Consumer S Camera System:	cience	Science Clrm Band/Music Business Ed Shops Corridors Stairways	
SPECIAL EQUIPMEN	<u>IT</u> :	-	
System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification	Conduit Only	Conduit & Wiring	Complete with Equipment
FIXED EQUIPMENT:			
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves		Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other	

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INTERIOR FINISH SCHEDULE:									
AREA	FLOOR	WAINSCOT	WALLS	CEILING					
General Office			<u> </u>						
Corridors									
Custodial									
Kitchen									
Cafeteria Gym									
Showers/Locker									
Toilets									
Library/Media Cntr									
Classrooms									
Music									
Art Science		-							
FMD									
,									
OTHER AREAS									
		_							
•									
•									
Miscellaneous Proj	ect Specific Feature	es:							
Kentucky Registere	ed Architect:			Date:					
, 0		Signature							
Kentucky Registere	ed Engineer:	0:		Date:					
		Signature							
Board Designee or	Superintendent:			Date:					
9	•	Signature							

Exterior Wall Type

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District Name: Nelson (County School	District ls Code:	Facility Name:	Bus Garage	School Code:
Project Name:	•		anteed Energy Savir		
•					_
PROJECT TYPE:	Yes	No	Gross Bui	lding Area (sf.)	
New Building Addition					
				007	
Renovation Provisions for Futu	☑ re Evnansion:	□ NA		,007	
	•				
Proposed Alternate		2)			
	(
Describe special co	onditions, phas	sing of project and	alternates, attach a	supplemental sheet, if needed	l.
BUILDING CONST	RUCTION CH	HARACTERISTICS	<u>s</u> :		
Description of Build	ling Structure:				
Foundation	on:				
Roof Structu	re:				
	-				
ENERGY EFFICIE	NT DESIGN (I	KRS 157.450 and	KRS 157.455):		
100	Energy Co	onsumption "Existin	g" (kBtu/sf/yr)		
95	Energy Co	onsumption Target	(kBtu/sf/yr)		
YES NO					
	LEED Cer	tified	Other:		
	Designed	to meet Energy Sta			
I	Exceeds A	ASHRAE 90.1(2007) by 10% (Minimum)		
✓ □	Whole Bui	lding Life Cycle Co	st Analysis Demonst	trating Cost Effective Design	
	L	_ife Cycle Cost Ana	alysis Software Used	: Trace 700	
If not yes to one o	r more of the	above, explain w	vhy		
	Designed	to be Net-Zero			
	·	to be Net-Zero Rea	adv		
	_		je 4, or Use Drop D	own List)	
East / West Buildin	•	☐ YES	□ NO	A E. da da a Mall. D. Va	L
Gross Exterior Wal	()			_ Avg. Exterior Wall R-Va	
Gross Window / Do	` '			_ Avg. Window/Door R-Va	
Gross Roof Area (s				_ Avg. Roof R-Va	lue:
Exterior Wall Type:					Other:
Roofing Type:	-				Other:
HVAC System Type					Other:
Classroom Lighting	E - other				Other:
Active Daylighting:					Other:
Passive Daylighting					Other:
On Site Energy Ge	neration:	-			Other:

Air Purification Systems	: YES 🗆 NO) 🗸		
Gray Water System :	YES 🗆 NO) v		
	: YES 🗆 NO			
PLUMBING:				
Type of Sewage Dispos	al:			
HEATING, VENTILATION	ON AND AIR CONDITIONIN	NG:		
Heating Only:	_ Heating & Mechanical: Ventilation Only	<u> </u>	HVAC:	A/C Only:
Fuel Source/Backup (if	applicable):			
ELECTRICAL:				
Source of Electric Powe	r:		Lighting Intensity (fc.)):
Voltage Serving Facility	<u> </u>		Std. Classrooms Library/Media Ctr Science Lab	
Number of Convenience Classrooms Library/Media Center Business Ed			Science Clrm Band/Music Business Ed Shops	
Family & Consumer Science Camera System:	ence		Corridors Stairways Cafeteria Pre-School Clrm Art Classroom	
SPECIAL EQUIPMENT	:		Gymnasium	
System	Conduit Only	Condu	uit & Wiring	Complete with Equipment
Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification				
FIXED EQUIPMENT:				
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves			Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other	

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INTERIOR FINISH SCHEDULE:									
AREA	FLOOR	WAINSCOT	WALLS	CEILING					
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Corridors									
Custodial									
Kitchen									
Cafeteria Gym									
Showers/Locker									
Toilets									
Library/Media Cntr									
Classrooms									
Music									
Art Science		-							
FMD									
,									
OTHER AREAS									
•									
•									
Miscellaneous Proj	ect Specific Feature	es:							
Kentucky Registere	ed Architect:			Date:					
, 0		Signature							
Kentucky Registere	ed Engineer:	0:		Date:					
		Signature							
Board Designee or	Superintendent:			Date:					
9	•	Signature							

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- F hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G variable refrigerant volume (VRV) with air make up
- H hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I chilled beam system
- J hybrid chilled beam/geothermal system
- L other

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- A upper classroom clerestory lighting with sloped ceiling plane
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On Site Energy Generation List

- A solar water heating
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- D wind generation (small units for demonstration or for limited areas)
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- G none

Project Name: Nelson County Schools Guaranteed Energy Savings Contract PROJECT TYPE: Yes No Gross Building Area (sf.) New Building	District Name:	Nelson Co	unty Schools	District Code:	Facility Name:	Thomas Nelson High School	School Code:
PROJECT TYPE: Ves No Gross Building Area (sf.) New Building			•				
New Building				•	<u> </u>		
Addition				_	Gross Bui	lding Area (sf.)	
Renovation		lding	· 				
Provisions for Future Expansion: NA Proposed Alternates: (1) (2) (3) Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed. BUILDING CONSTRUCTION CHARACTERISTICS: Description of Building Structure: Foundation: Exterior Walls: Roof Structure: ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): 26				_		0.070	
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C2			•	NA			
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ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): 26	Е	xterior Walls					
ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): 26	Ro	oof Structure					
Z6	100	oor otractare	·				
Z6	ENERGY	Y EFFICIENT	DESIGN (K	RS 157 450 an	d KRS 157 455):		
PES NO	LIVEINO				<u> </u>		
YES NO □ □ LEED Certified Other: □ □ Designed to meet Energy Star □ □ Exceeds ASHRAE 90.1(2007) by 10% (Minimum) □ Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design		20	_Energy Con	isumption "Exis	ting" (KBtu/Sf/yr)		
□ □ LEED Certified Other: □ □ Designed to meet Energy Star □ □ Exceeds ASHRAE 90.1(2007) by 10% (Minimum) □ Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design Life Cycle Cost Analysis Software Used: Trace 700 If not yes to one or more of the above, explain why. □ □ Designed to be Net-Zero □ □ Designed to be Net-Zero Ready Energy Efficient Design Features: (See List Page 4, or Use Drop Down List) East / West Building Orientation □ YES □ NO Gross Exterior Wall Area (sf): Avg. Exterior Wall R-Value: Gross Window / Door Area (sf): Avg. Window/Door R-Value: □ Exterior Wall Type: Avg. Roof R-Value: □ Exterior Wall Type: Other: □ Classroom Lighting: E-other Active Daylighting: Other: □ Othe		24	_Energy Con	sumption Targe	et (kBtu/sf/yr)		
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East / West Building Orientation	Enoravi	Efficient Dec				own Liot\	
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Classroom Lighting: E - other Other: Active Daylighting: Other: Passive Daylighting: Other:	•						_
Passive Daylighting: Other:			E - other				
	Active Da	aylighting:			-		Other:
On Site Energy Generation: Other:	Passive	Daylighting:					Other:
	On Site I	Energy Gene	ration:				Other:

Air Purification Systems	: YES 🗆 NO) 🗸		
Gray Water System :	YES 🗆 NO) v		
	: YES 🗆 NO			
PLUMBING:				
Type of Sewage Dispos	al:			
HEATING, VENTILATION	ON AND AIR CONDITIONIN	NG:		
Heating Only:	_ Heating & Mechanical: Ventilation Only	<u> </u>	HVAC:	A/C Only:
Fuel Source/Backup (if	applicable):			
ELECTRICAL:				
Source of Electric Powe	r:		Lighting Intensity (fc.)):
Voltage Serving Facility	<u> </u>		Std. Classrooms Library/Media Ctr Science Lab	
Number of Convenience Classrooms Library/Media Center Business Ed			Science Clrm Band/Music Business Ed Shops	
Family & Consumer Science Camera System:	ence		Corridors Stairways Cafeteria Pre-School Clrm Art Classroom	
SPECIAL EQUIPMENT	:		Gymnasium	
System	Conduit Only	Condu	uit & Wiring	Complete with Equipment
Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification				
FIXED EQUIPMENT:				
Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves			Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other	

702 KAR 4:160

INTERIOR FINISH SCHEDULE:									
AREA	FLOOR	WAINSCOT	WALLS	CEILING					
General Office			<u> </u>						
Corridors									
Custodial									
Kitchen									
Cafeteria Gym									
Showers/Locker									
Toilets									
Library/Media Cntr									
Classrooms									
Music									
Art Science		-							
FMD									
,									
OTHER AREAS									
		_							
•									
•									
Miscellaneous Proj	ect Specific Feature	es:							
Kentucky Registere	ed Architect:			Date:					
, 0		Signature							
Kentucky Registere	ed Engineer:	0:		Date:					
		Signature							
Board Designee or	Superintendent:			Date:					
9	•	Signature							

Exterior Wall Type

- A face brick, captured air space, board insulation and waterproof CMU
- B face brick, captured air space, sprayed insulation on CMU
- C face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D face brick, ICF poured concrete, interior finish system
- E other, describe

Roofing Type List

- A modified bitumen over rigid insulation
- B EPDM over rigid insulation
- C plastic single ply over rigid insulation
- D metal roofing over nailable deck with insulation
- E asphalt shingle roofing over nailable deck with insulation
- F other, describe

HVAC System Type List

- A two pipe unit ventilator system
- B water source heat pump system with air make up
- C ground source heat pump system with air make up
- D hybrid water source heat pump system with boiler/chiller and well field with air make up
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