FCPS New Rise STEM Academy for Girls

Lexington, Kentucky

for the

Fayette County Board of Education

701 East Main Street Lexington, Kentucky 40502
p 859.381.4100

BG # 23-547 FCPS BID # XX-XX
RTA # 20045

rosstarrant architects

101 old lafayette avenue
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p 859.254.4018
www.rosstarrant.com

enhancing education through great design

STRUCTURAL ENGINEER: STRUCTURAL DESIGN GROUP, INC.
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p 615.255.5537

M.E.P. ENGINEER: CMTA, INC.
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p 859.253.0892

LANDSCAPE ARCHITECT & CIVIL ENGINEER: ELEMENT DESIGN
366 S Broadway Lexington, Kentucky 40508
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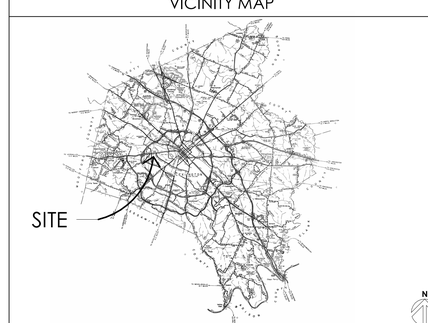
p 317.637.3204

HARDWARE CONSULTANT: CALVERT INDEPENDENT HARDWARE SPECIFICATIONS, LLC
307 Oakwood Circle Vine Grove, Kentucky 40175
p 502.930.2039

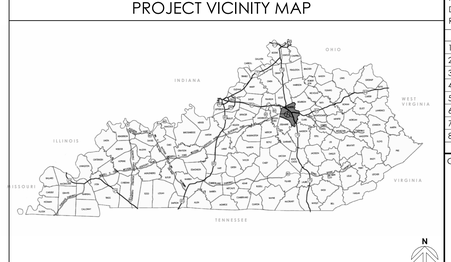
PROJECT SITE ADDRESS:

2160 Versailles Road,
Lexington, Kentucky
40504

VICINITY MAP



PROJECT VICINITY MAP



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COVER SHEET
FCPS NEW RISE ACADEMY FOR GIRLS
FOR:
FAYETTE COUNTY PUBLIC SCHOOLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

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BG# 23-547

Project No:	20045
Drawn By:	IDK
Rev'd By:	MH

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COVER SHEET

DATE ISSUED:
04/08/2024

SITE GRADING PLAN - OVERALL

SCALE 1" = 60'-0"

GRADING AND DRAINAGE GENERAL NOTES:

A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED FROM A SURVEY BY AIM3D. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.

B. THE DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION; THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL LOCATIONS.

C. PROTECT EXISTING TREES FROM POTENTIAL DAMAGE OF CONSTRUCTION OPERATIONS. STEEPEN GRADES UPHILL FROM EXISTING TREES TO A MAX. OF 2:1 TO AVOID FILLING SOILS ONTO TRUNKS.

D. UNLESS OTHERWISE INDICATED TO BE REMOVED, ALL ITEMS REMAINING WITHIN THE LIMIT OF CONTRACT ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.

E. THE CONTRACTOR SHALL MAINTAIN STORM DRAINAGE SYSTEMS TO FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD.

F. PROPOSED GRADES SHOWN ARE FINISHED GRADES.

G. LIMIT OF GRADING EXTENTS TO INCLUDE ALL AREAS DISTURBED BY ALL SITE UTILITY WORK, REFER TO SITE UTILITY DRAWINGS FOR LOCATIONS OF PROPOSED SITE UTILITIES.

H. REFER TO SPECIFICATION / PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

I. ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO MATCH PROPOSED FINISHED GRADES.

J. ALL EXISTING LAWN AREAS DISTURBED BY CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRADING & EARTHWORK AND SITE UTILITY WORK ARE TO BE SEEDED UNLESS OTHERWISE INDICATED. EXTEND LIMITS OF SEEDING TO INCLUDE ALL AREAS DISTURBED BY CONSTRUCTION. SEE SPECIFICATIONS 'LAWNS AND GRASSES' FOR FINE GRADING AND SEEDING REQUIREMENTS.

K. PROVIDE EROSION CONTROL BLANKET FOR ALL SEEDED SLOPES 4:1 OR STEEPER. SEE SPECIFICATIONS AND SWPP PLAN FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

L. FOR PROPOSED DRAINAGE STRUCTURES, INVERT ELEVATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED FOR EXISTING DRAINAGE STRUCTURES. FIELD VERIFY ELEVATIONS PRIOR TO INSTALLATION OF STORM STRUCTURES.

M. FOR PROPOSED DRAINAGE PIPE, PIPE LENGTHS & SLOPES ARE APPROXIMATE & SHOULD BE ADJUSTED AS NECESSARY TO MEET EXISTING AND PROPOSED STORM STRUCTURES.

N. GRADE ALL NEW PAVEMENTS TO DRAIN. GRADE ALL NEW WALKS AT MAX. 2% CROSS SLOPE. GRADE ALL NEW WALKS TO MAX. 5% LONGITUDINAL SLOPE UNLESS OTHERWISE SPECIFICALLY INDICATED ON PLANS TO BE A RAMP.

O. SEE ENLARGED PLANS FOR ADDITIONAL SPOT ELEVATIONS.

P. ALL DRAINAGE SWALES SHALL BE SODDED WITH MIN. 6' WIDE SOD FOR FULL LENGTH OF SWALE.

Q. SEE MEP DRAWINGS FOR FINAL LOCATIONS AND INVERT ELEVATIONS OF UNDERSLAB DRAIN LINES

R. CONTRACTOR SHALL JET ALL STORM LINES WITHIN THE SITE TO REMOVE ALL SEDIMENTATION AT THE CONCLUSION OF THE PROJECT.

GRADING KEYNOTES: (1)

1. NEW STORM STRUCTURE TO BE INSTALLED, PROTECT IMMEDIATELY UPON INSTALLATION. REFER TO DRAINAGE PLAN FOR STRUCTURE TYPE & LOCATION.
2. MATCH EXISTING ELEVATION AT ALL PAVEMENT TRANSITIONS.
3. 6" SUBDRAIN WITH SOCK TO CONNECT TO STORM WITH MANUFACTURERS STANDARD FITTINGS. TRANSITION TO 6" SOLID HDPE OR PVC PIPE UNDER WALKS, THROUGH WALLS AND CONNECT TO NEAREST STORM STRUCTURE.
4. 6" SUBDRAIN WITH SOCK TO CONNECT TO STORM WITH MANUFACTURERS STANDARD FITTINGS. CONNECT TO NEW CLEANOUT. KEEP SUBDRAIN CLOSE TO THE PERIMETER OF THE FENCED AREA WITH A MINIMUM OFFSET OF 4'. COORDINATE WITH OBSTACLE COURSE LAYOUT TO ENSURE THAT THERE ARE NO CONFLICTS.
5. DIVERSION STRUCTURE TO BE INSTALLED IN EXISTING STORM LINE AT LOCATION SHOWN ON PLAN. WATER QUALITY UNIT TO BE INSTALLED PER DETAIL A/L300-B.
6. CONNECT DOWNSPOUT TO 6" SOLID DRAIN PIPE. CONNECT 6" PLANTER PERFORATED SUBDRAIN PIPE TO SOLID PIPE.

GRADING AND DRAINAGE LEGEND

891	PROPOSED CONTOUR
+93.0	PROPOSED SPOT ELEVATION
FV	FIELD VERIFY
BC	BOTTOM OF CURB
TC	TOP OF CURB
BW	BOTTOM OF WALL
TW	TOP OF WALL
	DRAINAGE DIRECTION
OS	NEW OUTLET STRUCTURE, SEE STORM STRUCTURE SCHEDULE
JB	NEW CATCH BASIN, SEE STORM STRUCTURE SCHEDULE
YI	NEW YARD INLET, SEE STORM STRUCTURE SCHEDULE
DS	DIVERSION STRUCTURE; SEE DETAIL A/L300-B
WQU	WATER QUALITY UNIT SEE DETAIL A/L300-B
CI	NEW TYPE F CURB INLET, SEE STORM STRUCTURE SCHEDULE
	PROPOSED CONTOUR
	PROPOSED HEADWALL WITH OUTLET PROTECTION
	6" NEW PERFORATED SUBDRAIN TO CONNECT TO NEAREST STORM STRUCTURE. SEE KEYNOTES
	OUTLET PROTECTION / CLASS 2 CHANNEL LINING

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SITE MATERIALS PLAN - OVERALL

SCALE 1" = 60'-0"

LAYOUT AND MATERIAL GENERAL NOTES:

A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED FROM A SURVEY BY AIM3D. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.

B. DIMENSIONS GIVEN IN RELATIONSHIP TO BUILDINGS OR OTHER SITE ELEMENTS ARE MEASURED PERPENDICULAR FROM THE OUTSIDE FACE OF BRICK, STONE OR CONCRETE UNLESS OTHERWISE INDICATED. DIMENSIONS GIVEN AT ROADWAYS ARE FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.

C. DIMENSIONS ARE REFERENCED AT 90 DEGREE ANGLES UNLESS OTHERWISE INDICATED. RADII ARE 5' UNLESS OTHERWISE INDICATED.

D. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL INVOLVED UTILITY COMPANIES AND COORDINATING WITH THEM ALL CONSTRUCTION ACTIVITIES AND VERIFYING ALL SITE UTILITIES PRIOR TO CONSTRUCTION ACTIVITY.

E. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

F. SEE ENLARGED PLANS FOR ADDITIONAL LAYOUT AND MATERIALS NOTES AND REQUIREMENTS.

MATERIAL LEGEND

- NEW HEAVY DUTY ASPHALT PAVEMENT SEE KEYNOTE
- NEW BROOMED 4" CONCRETE PAVEMENT WITH TOOLED CONTROL JTS SEE KEYNOTE
- NEW HEAVY DUTY 6"CONCRETE PAVEMENT WITH TOOLED CONTROL JTS., SEE KEYNOTE
- NEW PERMEABLE PAVERS WITH CONCRETE ISOLATION BAND, SEE KEYNOTE
- NEW MULCH SURFACING IN PLAY AREAS, SEE KEYNOTE AND KEYNOTE
- NEW SURFACING IN GARDEN AREAS, SEE KEYNOTE
- NEW CONCRETE CURB & GUTTER - SEE KEYNOTE & DETAIL
- NEW FLUSH CONCRETE CURB & GUTTER - SEE KEYNOTE
- NEW HEADER CURB - SEE KEYNOTE & DETAIL
- CURB TRANSITION FROM 6" TO FLUSH CURB CONDITION
- EJ EXPANSION JOINT- SEE DETAIL
- CONTROL JOINT- SEE DETAIL
- NEW THERMOPLASTIC STRIPING AND ARROWS, SEE DETAIL AND SPECIFICATIONS FOR REQUIREMENTS. COMPLY FHWA STANDARDS FOR DIRECTIONAL AND TURN ARROWS
- NEW WHEELSTOP, SEE DETAIL
- STEEL PIPE PROTECTION BOLLARD, SEE DETAIL
- ONE WAY DO NOT ENTER — ONE WAY SIGN SEE DETAIL FIELD VERIFY FINAL LOCATION
- SPEED LMIT 15 — SPEED LIMIT SIGN; SEE DETAIL FIELD VERIFY FINAL LOCATION
- STOP — STOP SIGN, STOP BAR AND 'STOP' PER LFUCG STANDARD REQUIREMENTS, SEE DETAIL D/L601 FIELD VERIFY FINAL LOCATION
- PARKING SPACE STRIPING - 4" X 18' YELLOW ACETONE BASED ACRYLIC PAINT, TYPICAL FOR STANDARD SPACES

LAYOUT KEYNOTES:

1. NEW CONCRETE CURB AND GUTTER, SEE DETAIL
2. NEW 4" ROLL CURB, SEE DETAIL
3. NEW HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL
4. NEW HEAVY DUTY CONCRETE PAVEMENT, SEE DETAIL
5. NEW CONCRETE ISOLATION BAND, SEE DETAIL
6. NEW DUMPSTER STATION, SEE DETAIL
7. NEW LIGHT DUTY CONCRETE WALKWAY PAVEMENT, SEE DETAIL
8. NEW PERMEABLE PAVERS, SEE DETAIL
9. TACTILE WARNING SURFACE. MINIMUM 2' DEEP BY WIDTH SHOWN ON PLAN, SEE DETAIL
10. NEW HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL
11. NEW LIGHT DUTY ASPHALT PAVEMENT, SEE DETAIL
12. EDGE KEY WHERE NEW ASPHALT MEETS EXISTING.
13. NEW CONCRETE HARD COURT PLAY SURFACE. SEE DETAIL
14. NEW CONCRETE WALK WITH TURNDOWN FOR PLAYGROUND EDGING, SEE DETAIL
15. NEW 4' TALL WELDED WIRE FENCING WITH DOUBLE SWING GATES AND PANIC HARDWARE, SEE DETAIL
16. NEW AMPHITHEATER WITH CONCRETE SEAT WALL AND MULCH SURFACING, SEE DETAIL
17. NEW SHADE STRUCTURE AT AMPHITHEATER, SEE DETAIL
18. NEW FLAGPOLE, SEE DETAIL
19. NEW BRICK VENEERED SEAT WALL, SEE DETAIL
20. NEW DRY STREAM BED AT COURTYARD, SEE DETAIL. SEE L500 SHEETS FOR ASSOCIATED LANDSCAPE.
21. NEW MULCH SURFACING AND EDGING AT COURTYARD PLAY AREAS, SEE DETAIL
22. NEW LIGHT DUTY CONCRETE IN FUTURE GARDEN AREA, SEE DETAIL
23. NEW CEDAR PLANTERS IN GARDEN AREA, NIC
24. NEW FOOTBRIDGE AT TRAIL OVER DRY STREAM BED, SEE DETAILS
25. NEW PLAYGROUND EQUIPMENT AND SURFACING, NIC; CONTRACTOR SHALL PREP AREA TO SUBGRADE RECEIVE THE PLAYGROUND SURFACING PER DETAIL
26. NEW CURB RAMP TYPE 1, SEE DETAIL
27. NEW STAIRS WITH HAND RAILS AND PEDESTRIAN GUARDS, SEE DETAIL
28. NEW RAISED SPEED HUMP/PEDESTRIAN CROSSING, SEE DETAIL
29. NEW ADA PARKING SPACES AND SIGNS, SEE DETAIL
30. NEW STOP BAR AND SIGN PER LFUCG REQUIREMENTS, SEE DETAIL.
31. CONCRETE PAD FOR BIKE RACKS, SEE DETAIL
32. FUTURE LOCATION FOR EV CHARGING STATIONS. SEE MEP PLANS FOR ADDITIONAL INFORMATION.
33. 6' TALL VINYL COATED CHAINLINK FENCE, SEE DETAIL.
34. ELECTRIC TRANSFORMER AND GENERATOR. SEE MEP PLAN FOR ADDITIONAL INFORMATION. HEAVY DUTY CONCRETE PAD SHALL MEET THE MANUFACTURER'S REQUIREMENTS.
35. DENTAL VAN CONNECTION. SEE MEP PLANS FOR ADDITIONAL INFORMATION.
36. LOADING DOCK WITH RAILS. SEE DETAIL
37. NEW RAMP WITH HANDRAILS. SEE DETAIL

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SITE MATERIALS PLAN - OVERALL
NEW RISE STEM ACADEMY FOR GIRLS PHASE C
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SITE LANDSCAPE PLAN - OVERALL

SCALE 1" = 60'-0"

	BOTANICAL NAME	COMMON NAME	CALIPER	BALL SIZE	HEIGHT	SPREAD	CANES	NOTES
DECIDUOUS TREES								
AL	Amelanchier laevis	Serviceberry	2 1/2"	28" min	12 - 14'	N/A	1	B&B; 5' clear trunk
GB	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	2 1/2"	28" min	12 - 14'	N/A	1	B&B; 5' clear trunk
LS	Liquidambar styraciflua 'slender silhouette'	Columnar Sweetgum	2 1/2"	28" min	12 - 14'	N/A	1	B&B; 5' clear trunk
LT	Liriodendron tulipifera	Tulip Poplar	2 1/2"	28" min	12 - 14'	N/A	1	B&B; 5' clear trunk
MV	Magnolia virginiana 'Jim Wilson'	Moonglow Sweetbay Magnolia	2 1/2"	28" min	12 - 14'	N/A	3	B&B; 5' clear trunk
NS	Nyssa sylvatica 'wildfire'	Wildfire Black Gum	2 1/2"	28" min	12 - 14'	N/A	1	B&B; 6' clear trunk
SHRUBS								
IG	Ilex glabra 'Compacta'	Compact Inkberry	-	3 gal. cont. OR B&B	24-30"	24-30"	-	36" O.C. Spaced as shown
IS	Ilex glabra 'Shamrock'	Shamrock Inkberry	-	3 gal. cont. OR B&B	30-36"	30-36"	-	36" O.C. spaced in a line or with slight offset
IV	Itea virginica 'Sprich'	Little Henry Virginia Sweetspire	-	3 gal. cont. OR B&B	12-15"	12-15"	-	spaced as shown
JC	Juniperus conferta 'blue pacific'	Blue Pacific Juniper	-	3 gal. cont. OR B&B	12-18"	24 - 30"	-	48" O.C. triangular spacing
WF	Weigela florida "Wine & Roses'	Wine & Roses Weigela	-	3 gal. cont. OR B&B	24"	24-30"	-	5' O.C. spacing
GRASSES AND GROUNDCOVERS								
LM	Liriope muscari 'variegata'	Variegated Lily Turf	-	1 gal. cont.	18"	18"	-	15" O.C.; triangular spacing
PV	Panicum virgatum 'Shenandoah'							

LANDSCAPE GENERAL NOTES:

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B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING AND LAYOUT OF THE PLANTINGS ON THIS PROJECT. SECURE APPROVAL OF THE PLANTING LAYOUT IN THE FIELD WITH THE LANDSCAPE ARCHITECT, ARCHITECT AND/OR OWNER PRIOR TO OPENING ANY PLANTING PITS OR BEDS.

C. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

D. THE CONTRACTOR SHALL PREPARE A CULTIVATED BED AROUND EACH GROUP OF SHRUBS AND/OR GROUND COVER BEDS, THE SAME SHAPE AND SIZE AS SHOWN ON THE PLAN. THE ENTIRE BED SHALL BE MULCHED. A CRISP, WELL DEFINED EDGE SHALL BE DEVELOPED BETWEEN ANY SHRUB AND/OR GROUND COVER BED AND THE ADJOINING LAWN AREA.

E. ONLY NURSERY GROWN PLANT MATERIAL SHALL BE USED. COLLECTED PLANT MATERIAL IS NOT ACCEPTABLE AND WILL BE REJECTED BY THE LANDSCAPE ARCHITECT. MATERIAL SHALL BE OF HIGH QUALITY, EXCELLENT FORM AND TO THE SIZES AND SPECIFICATIONS INDICATED HEREIN. MATERIAL THAT DOES NOT MEET THE SPECIFICATIONS SHALL BE REJECTED.

F. UNLESS OTHERWISE INDICATED, NATURAL DYE-FREE SHREDDED BARK MULCH SHALL BE USED IN ALL SHRUB AND/OR GROUND COVER BEDS AND AROUND ALL TREES PLANTED WITHIN OR BEYOND THE CONFINES OF THE PLANTING BEDS. CONTRACTOR SHALL PROVIDE MULCH SAMPLE FOR LANDSCAPE ARCHITECTS APPROVAL PRIOR TO CONSTRUCTION.

G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL OF ALL BINDING CORDS AND ROPES FROM THE TRUNKS OF ALL SHADE AND ORNAMENTAL TREES IMMEDIATELY AFTER PLANTING. IDENTIFICATION TAGS AND RIBBONS SHALL BE REMOVED FROM ALL PLANT MATERIAL AT THE TIME OF PLANTING. TREE BASKETS SHALL BE CUT FROM THE TOP 1/3 OF THE ROOT BALL PRIOR TO PLANTING.

H. ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO THE SITE OR IF AGREED UPON BY LANDSCAPE ARCHITECT, MAY BE REVIEWED AT THE CONTRACTOR'S HOLDING YARD OR THE SITE PRIOR TO PLANTING.

I. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO RELOCATE AND ADJUST ALL PLANT MATERIAL IN THE FIELD PRIOR TO PLANTING. THE CONTRACTOR SHALL COORDINATE ALL PLANTING EFFORTS WITH THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. CONTRACTOR SHALL CONTACT AND NOTIFY LANDSCAPE ARCHITECT 2 WEEKS PRIOR TO PLANT INSTALLATION.

J. ALL PLANT QUANTITIES ARE GIVEN AS A REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES PRIOR TO PLANTING.

K. SOD ALL LAWN AREAS INDICATED TO BE SODDED. NETTED SOD IS NOT ACCEPTABLE.

L. EXTEND LIMITS OF HYDROSEED TO INCLUDE ALL DISTURBED AREAS.

LANDSCAPE LEGEND

- NEW SHADE TREE, SEE DETAIL B/L300
- NEW ORNAMENTAL TREE, SEE DETAIL C/L300
- NEW PERENNIAL, SEE DETAIL E/L300
- SOD WITH A MINIMUM 2' WIDE ROLL
- WILDFLOWER / BUTTERFLY HABITAT SEED MIX

WILDFLOWER / BUTTERFLY SEED MIX MUST CONTAIN A MIN. OF 10 OF THE FOLLOWING SPECIES AND INCLUDE MIN. 60% WILDFLOWER SPECIES. SUBMIT MIX TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
BUTTERFLY MILKWEED, COMMON MILKWEED, BLACK EYED SUSAN, SLENDER MOUNTAIN MINT, EARLY GOLDENROD, LANCE LEAF COREOPSIS, JOE PYE WEED, SMOOTH ASTER, LITTLE BLUESTEM, INDIAN GRASS, FOX SEDGE, FRANKS SEDGE, PENNSYLVANIA SEDGE, BLUE FLAG IRIS, PRAIRIE DROP SEED, PURPLE CONEFLOWER, YELLOW CONEFLOWER.

- GRADATION OF RIVER ROCK FROM 1" TO 3" DIAMETER. PROVIDE A SAMPLE TO OWNER/ARCHITECT FOR APPROVAL OF COLOR AND SIZE. SEE DETAIL F/L300
- EXISTING DAYLILIES TO BE RELOCATED TO THESE AREAS. SPACE AT 18" OC. DETAIL E/L300
- RAISED VEGETABLE GARDEN; INSTALL NEW RAISED BED WITH SOIL
- XX # — PLANT TAG XX = PLANT ABBREVIATION # = QUANTITY

LANDSCAPE KEYNOTES:

1. ALL DISTURBED AREAS TO BE HYDROSEEDED. EXTEND LIMITS TO INCLUDED ALL UTILITY WORK.
2. EXPANDED RAISED BED GARDEN AREA. REMOVE SOIL TO CREATE A DEPTH OF 4" FROM SURFACE OF WALK AND CURB. PLACE A LAYER OF WEED BARRIER FABRIC AND TOP WITH PEA GRAVEL.
3. ALL AREAS WITHIN THE COURTYARD NOT INDICATED TO BE PLANTED OR RECEIVE ANY NEW SURFACE MATERIAL SHALL BE SODDED. EXTEND LIMITS TO AREA INDICATED WITH HATCH.
4. INSTALL EROSION CONTROL BLANKET IN AREAS WHERE SLOPE EXCEEDS 5:1 AND IN ADDITIONAL AREAS AS SHOWN ON PLAN. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. AT ALL BUILDING TURF EDGES, PROVIDE MIN. 36" SOD STRIP WHERE NOT LANDSCAPED.
6. AT ALL PAVEMENT TURF EDGES, PROVIDE MIN. 36" SOD STRIP WHERE NOT LANDSCAPED.
7. SOD AT DRAINAGE STRUCTURES.
8. RAISED GARDEN BEDS, SEE LAYOUT, MATERIALS AND ENLARGED PLANS & DETAILS.

SPECIAL TOP SOIL NOTE:

- TOPSOIL SHALL BE FREE OF STONES 1 INCH OF LARGER IN ANY DIMENSIONS, STICKS, ROOTS, TRASH, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
- STONES SHALL NOT EXCEED 10% BY VOLUME.
- SEE SPECIFICATIONS SECTIONS 'TURF AND GRASSES' AND 'PLANTS' FOR ADDITIONAL INFORMATION.

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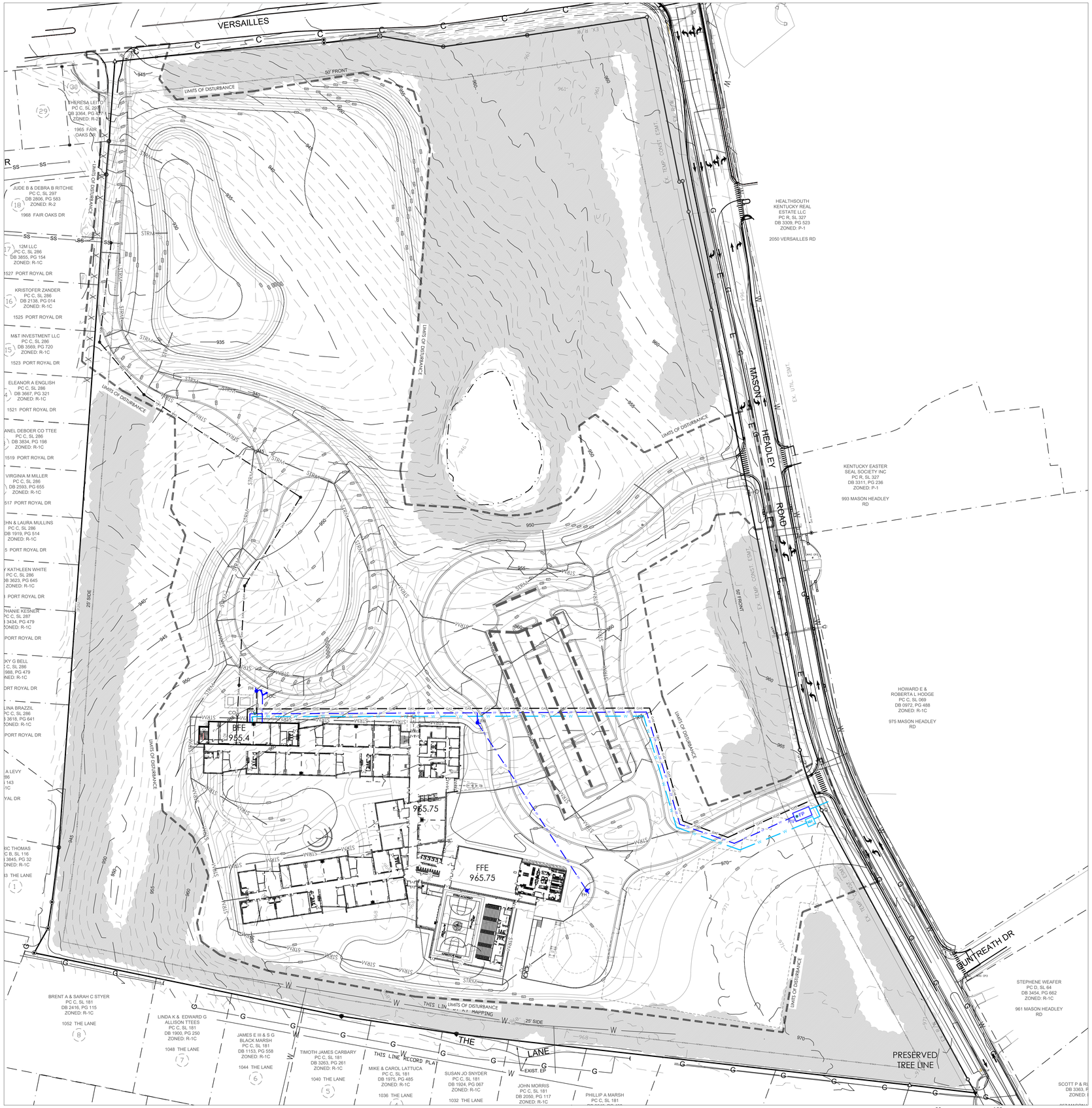

SITE UTILITIES PLAN - OVERALL

SCALE 1" = 60'-0"

CIVIL UTILITIES GENERAL NOTES:

A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED FROM A SURVEY BY AIM3D. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.

B. THE DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION; THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL LOCATIONS.

C. UNLESS OTHERWISE INDICATED TO BE REMOVED, ALL ITEMS REMAINING WITHIN THE LIMIT OF CONTRACT ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.

D. THE CONTRACTOR SHALL MAINTAIN UTILITY SYSTEMS TO FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD.

E. REFER TO SPECIFICATION / PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

F. ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO MATCH PROPOSED FINISHED GRADES.

G. FOR PROPOSED UTILITY STRUCTURES, INVERT ELEVATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED FOR EXISTING STRUCTURES. FIELD VERIFY ELEVATIONS PRIOR TO INSTALLATION OF UTILITY STRUCTURES.

H. FOR PROPOSED UTILITY PIPE, PIPE LENGTHS & SLOPES ARE APPROXIMATE & SHOULD BE FIELD VERIFIED.

I. PROVIDE THRUST BLOCKS AT ALL BENDS AND TEES IN WATER LINE. REFER TO DETAIL A/C1.1

J. REFER TO MEP PLANS TO COORDINATE SPECIFIC UTILITY TIE-IN LOCATIOSN WITHIN 5' OF BUILDING FOOTPRINT.

CIVIL UTILITIES KEYNOTES: (1)

1. PROVIDE 8" PVC SDR-35 SANITARY SEWER GRAVITY LINE. REFER TO DETAIL C/C201
2. PROVIDE SANITARY SEWER CLEANOUT. REFER TO DETAIL F/C201 AND MEP PLANS.
3. SANITARY MANHOLE. SEE DETAIL A/C201
4. WATER METER VAULT. SEE DETAIL D/C200
5. PROVIDE FIRE HYDRANT WITH MINIMUM PIPE COVER EQUAL TO 4'-0". REFER TO DETAIL A/C201. PROVIDE 8" PVC WATER LINE TO HYDRANT.
6. PROVIDE FIRE DEPARTMENT CONNECTION. SEE MEP SHEETS FOR CONTINUATION. COMPLY WITH LOCAL FIRE DEPARTMENT REQUIREMENTS FOR FDC. LOCATE FDC AND FIRE HYDRANT AS SHOWN.
7. PROVIDE 8" PVC FIRE PROTECTION LINE. REFER TO DETAIL B/C200
8. NEW 8" PVC WATER LINE. SEE DETAIL B/C200
9. NEW 4" PVC DOMESTIC WATER LINE. SEE DETAIL B/C200
10. GAS LINE WORK WITHIN THE RIGHT OF WAY TO BE PERFORMED BY COLUMBIA GAS.
11. NEW FIRE PROTECTION VAULT WITH PIV. SEE DETAILS E/C200 AND F/C200.

CIVIL UTILITIES LEGEND

S	PROPOSED SANITARY SEWER MANHOLE	FH	PROPOSED FIRE HYDRANT SEE DETAIL F/C200
CO	PROPOSED SANITARY SEWER CLEANOUT	FDC	PROPOSED FIRE DEPARTMENT CONNECTION SEE DETAIL C200
SAN	PROPOSED SANITARY SEWER PIPE	FP	PROPOSED FIRE PROTECTION VAULT
W	PROPOSED POTABLE WATER LINE	WM	PROPOSED WATER METER
FP	PROPOSED FIRE PROTECTION SERVICE LINE	PIV	POST INDICATOR VALVE
STRM	PROPOSED STORM LINE	GAS	PROPOSED NATURAL GAS
	PROPOSED STORM SUBDRAIN		
	PERMEABLE PAVER SURFACING		

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

element design
landscape architecture+civil engineering+planning
366 south broadway
lexington, ky 40508
p. 859.389.6533
f. 859.389.6534
www.element-site.com
1018 east jefferson
louisville, ky 40206
p. 502.489.4221

SITE UTILITIES PLAN - OVERALL
NEW RISE STEM ACADEMY FOR GIRLS PHASE C
FOR:
FAYETTE COUNTY PUBLIC SCHOOLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

M.E.&P Engineer
CMTA, Inc.
220 Lexington Green Circle
Suite 600
Lexington, KY 40504
p 859.253.0892
Structural Engineer
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537
Site/Civil Engineer:
Element Design
366 S Broadway,
Lexington, KY 40508
p 859.389.6533

BG# 23-547

Project No: 20045
Drawn By: Author
Rev'd By: Checker

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CONSTRUCTION DOCUMENTS

C100

DATE ISSUED:
04/08/2024

ELEC - SITE LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	EQUALS	MINIMUM LUMENS	MOUNTING	MAXIMUM WATTAGE	VOLTAGE
P3	CAST BLACK PAINTED FINNED METAL HOUSING	PAC24-PLED-III-W-80LED-700mA-40K	LITHONIA, MCGRAW, EDISON, LSI	21700	30' POLE	174	277
P4	CAST BLACK PAINTED FINNED METAL HOUSING	PAC24-PLED-IV-FT-80LED-700mA-40K	LITHONIA, MCGRAW, EDISON, LSI	21700	30' POLE	174	277
P52	CAST BLACK PAINTED FINNED METAL HOUSING	PAC24-PLED-VSQ-W-80LED-700mA-40K	LITHONIA, MCGRAW, EDISON, LSI	23275 PER HEAD	30' POLE	348	277
PT	FABRICATED METAL HOUSING, 1 LED MODULE CONSISTING OF:	PAC18-PT1-PLED-VSQ-W--36LED-525mA-40K	LITHONIA, MCGRAW, EDISON, LSI	8600		62	277
WM3	CAST METAL HOUSING, 1 LED MODULE CONSISTING OF:	PAC-WM-PLED-III-W-20LED-700mA-40K	LITHONIA, MCGRAW, EDISON, LSI	5800	WALL	47	277
WM4	CAST METAL HOUSING, 1 LED MODULE CONSISTING OF:	PAC-WM-PLED-IV-FT-20LED-700mA-40K	LITHONIA, MCGRAW, EDISON, LSI	5800	WALL	47	277

SITE NOTES

A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.

B ALL ITEMS SHOWN ON THESE PLANS ARE TO BE DEMOLISHED, UNLESS NOTED OTHERWISE ON PLANS.

C ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.

D FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.

E WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.

F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS, EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.

G CONTRACTOR SHALL SCHEDULE ALL PLANNED INTERRUPTION OR DISCONNECTION OF ANY SERVICE WITH APPROPRIATE MUNICIPALITY OR UTILITY COMPANY. THE ARCHITECT, AND THE BUILDING OPERATORS AT LEAST ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.

H THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.

I THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.

J THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.

K REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).

L COORDINATE DISPOSAL OF ALL EQUIPMENT, FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

M REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.

TAGGED NOTES

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U1 GEOTHERMAL SUPPLY AND RETURN LINES TO BUILDING. REFER TO BASEMENT HYDRONICS PLAN - AREA A, SHEET M3.0A FOR CONTINUATION.

U2 GEOTHERMAL BORES SHALL HAVE TWENTY FEET SPACING BETWEEN ADJACENT BORES. TYPICAL. REFER TO WELLFILED PIPING SCHEMATIC ON SHEET U2.1 FOR GEOTHERMAL PIPE SIZES.

U3 GEOTHERMAL WELL WITH 1-1/4 INCH HDPE PIPE, TYPICAL. BOTTOM OF U-BEND TO BE 500 FEET DEEP. DRILL HOLES 5 TO 10 FEET DEEPER AS REQUIRED TO INSTALL PIPING TO REQUIRED DEPTH. GROUT HOLD WITH THERMALLY ENHANCED GROUT USING TREMIE TUBES PER SPECIFICATIONS, TYPICAL. CONTRATOR SHALL PROVIDE DIMENSIONED MAP OF ALL FINAL GEOTHERMAL WELL LOCATIONS, INCLUDING GPS COODINATES. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.

U4 GEOTHERMAL TEST BORE LOCATION. REFER TO PROJECT SPECIFICATION FOR TEST BORE REPORT.

U11 GEOTHERMAL VAULT. REFER TO MECHANICAL SITE DETAILS & SCHEMATICS FOR ADDITIONAL INFORMATION.

U15 EXCAVATE, TRENCH, INSTALL AND BACKFILL UNDERGROUND DUCT BANK FROM TRANSFORMER TO SWITCHBOARD. INSTALLATION SHALL MEET KU REQUIREMENTS AND PASS INSPECTION. DUCTBANK TO BE BURIED 30" BELOW GRADE. PROVIDE AND INSTALL MARKING TAPE 12" ABOVE CONDUIT AND MARKING WIRE DIRECTLY ABOVE ALL NON-METALLIC UNDERGROUND CONDUITS. SECONDARY TERMINATIONS SHALL BE PERFORMED BY KU.

U16 INSTALL TRANSFORMER PAD, INCLUDING CONDUIT PER DOMINION ENERGY STANDARDS. CONDUIT SHALL BE TWO(2)-6" BURIED AT MINIMUM 42" BELOW GRADE FOR PRIMARY FEED. COORDINATE WITH KU PRIOR TO PLACEMENT OF PAD. PRIMARY CABLING AND TERMINATIONS TO BE PROVIDED BY KU.

U17 PROVIDE UNDERGROUND FEEDER TO GENERATOR BURIED AT MINIMUM 30" BELOW GRADE. PROVIDE AND INSTALL MARKING TAPE 12" ABOVE CONDUIT AND MARKING WIRE DIRECTLY ABOVE ALL NON-METALLIC UNDERGROUND CONDUITS. REFER TO ONELINE DIAGRAM AND TO DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.

U18 INSTALL GENERATOR, DOCKING STATION AND GENERATOR PAD PER NEC. REFER TO SHEET UE2.0 FOR PAD DETAILS. REFER TO RISER AND SPECIFICATIONS FOR ADDITIONAL GENERATOR INFO. GENERATOR GAS VALVE SHALL BE MINIMUM 15' FROM UTILITY TRANSFORMER. CONTRACTOR SHALL COORDINATE PRIOR TO PLACEMENT OF GENERATOR.

U20 PROVIDE BUILDING GROUNDING ELECTRODE SYSTEM OUTSIDE OF MAIN ELECTRICAL ROOM IN CONCRETE IN THIS LOCATION.

U22 ENSURE GEOTHERMAL PIPING TO BE A MINIMUM 30' FROM BUILDING.

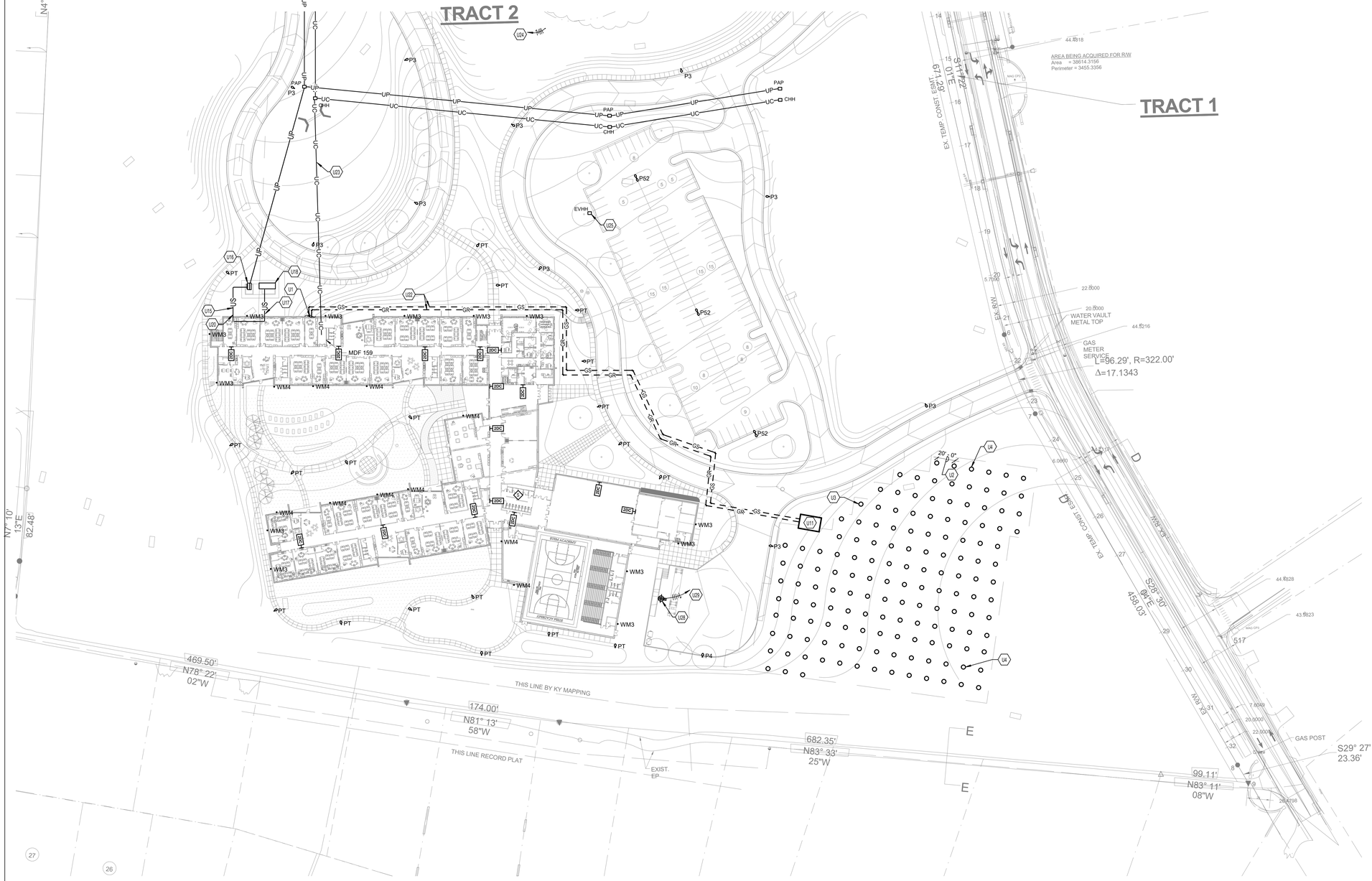
U23 PROVIDE 3-4" CONDUITS TO COMMUNICATIONS HANDHOLE LOCATION SHOWN ON SITE FOR COMMUNICATIONS CABLING. CABLING TO BE INSTALLED BY UTILITY. FINAL CONNECTION LOCATION TO BE DETERMINED.

U24 PROVIDE POWER CONNECTION TO LAKE PUMP DISCONNECT.

U25 PROVIDE 2-3" FROM HANDHOLE IN THIS LOCATION AND STUB UP IN ELECTRICAL ROOM BELOW PANEL BHDP. PROVIDE 1-3" CONDUIT TO MDF 159. CLEARLY LABEL CONDUITS IN BUILDING AS "FUTURE EV PATHWAY". CONDUITS WILL SERVE AS FUTURE PATHWAY FOR POWER AND DATA FOR ELECTRIC VEHICLE CHARGING STATIONS.

U28 DENTAL VAN RECEPTACLE - PROVIDE MELTRIC 32-64076-380-LF FEMALE RECEPTACLE. THE RECEPTACLE SHALL BE MOUNTED TO A MELTRIC ANGLE ADAPTER MP6 AND A MELTRIC JUNCTION BOX MB62. THIS ASSEMBLY SHALL BE MOUNTED IN A NEMA 3R STAINLESS STEEL ENCLOSURE WITH ADEQUATE SPACE TO CONNECT AND DISCONNECT MALE END OF PLUG. THE ENCLOSURE SHALL HAVE A HINGED DOOR WITH A LATCH TO ACCEPT A PADLOCK. INSTALL ENCLOSURE ON 4"x1.58"x0.18" 6061 T6 ALUMINUM CHANNEL. INSTALL CHANNEL IN 5'-0" BY 5'-0" CONCREATE PAD. PROVIDE 2'-0" DEEP CONCRETE BACKFILL AROUND CONDUIT AT CONCRETE SLAB PENETRATION. REFER ALSO TO DETAILS 8-11 ON SHEET U2.0 FOR FURTHER INFORMATION.

U29 CIRCUIT TO ENCLOSED CIRCUIT BREAKER CB-DV WITH 3#1, #8 GROUND IN 2" CONDUIT.



1 U1.0 **SOUTH MEP SITE UTILITIES NEW WORK PLAN**
1" = 50'-0"

BEFORE YOU DIG

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUD (BEFORE YOU DIG)" AT 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.

SITE UTILITIES LEGEND

	EXISTING, DEMOLITION, NEW WORK
S S S	SANITARY MANHOLE
	FIRE HYDRANT
	WATER VALVE
ECO D(ECO) ECO	EXTERIOR CLEANOUT
TB D(TB) TB	THRUST BLOCK
—XXX—	NEW PIPING - (XXX) DENOTES SYSTEM
- - D(XXX) - -	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
—E(XXX)—	EXISTING PIPING - (XXX) DENOTES SYSTEM
—A(XXX)—	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
—OP—	OVERHEAD PRIMARY
—OS—	OVERHEAD SECONDARY
—OSL—	OVERHEAD STREET LIGHT
—OTS—	OVERHEAD TRAFFIC SIGNAL
—OT—	OVERHEAD TELECOMMUNICATIONS
—OF—	OVERHEAD FIBER OPTIC
—OTV—	OVERHEAD CATV
—UP—	UNDERGROUND PRIMARY
—US—	UNDERGROUND SECONDARY
—USL—	UNDERGROUND STREET LIGHT
—UTS—	UNDERGROUND TRAFFIC SIGNAL
—UT—	UNDERGROUND TELECOMMUNICATIONS
—UF—	UNDERGROUND FIBER OPTIC
—UTV—	UNDERGROUND CATV
—CHW—	CHILLED WATER
—W—	DOMESTIC WATER
—HPS/R—	HIGH PRESSURE SUPPLY/R
—PD—	PUMPED DISCHARGE RETURN
—SS—	SANITARY SEWER
—STORM—	STORM

UTILITY COMPANY CONTACTS:

POWER:
KENTUCKY UTILITIES TYLER SKAGGS 859.367.4217

TELEPHONE:
COMPANY

CABLE TELEVISION:
COMPANY

WATER SEWER:
COMPANY

GAS:
COMPANY

FIRE CHIEF:
FIRE DEPARMENT

IT IS THE CONTRACTORS RESPONSIBILITY TO MEET ALL LOCAL ORDINANCE AND MUNICIPAL REQUIREMENTS RELATED TO UTILITY INSTALLATION, INSPECTIONS, MATERIALS, FEES, ETC.

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

SOUTH MEP SITE UTILITIES NEW WORK PLAN
FOR:
NEW RISE STEM ACADEMY FOR GIRLS
FAYETTE COUNTY PUBLIC SCHOOLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

M.E.&P Engineer:
CMTA, Inc.
220 Lexington Green Circle
Suite 600
Lexington, KY 40504
p 859.253.0892

Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537

Site/Civil Engineer:
Element Design
366 S Broadway,
Lexington, KY 40508
p 859.389.6533

BG# 23-547

Project No: 20045
Drawn By: MSR
Rev'd By: RC

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CONSTRUCTION DOCUMENTS

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SOUTH MEP SITE UTILITIES NEW WORK PLAN
DATE ISSUED:
04/08/2024

ELEC - SITE LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	EQUALS	MINIMUM LUMENS	MOUNTING	MAXIMUM WATTAGE	VOLTAGE
P3	CAST BLACK PAINTED FINNED METAL HOUSING	PAC24-PLED-III-W-80LED-700mA-40K	LITHONIA, MCGRAW, EDISON, LSI	21700	30' POLE	174	277
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TAGGED NOTES

U14 EXCAVATE, TRENCH, INSTALL AND BACKFILL UNDERGROUND PRIMARY DUCTBANK FROM PEDESTAL LOCATION SHOWN AT SITE EXTERIOR TO PAD MOUNTED TRANSFORMER. INSTALLATION OF CONDUIT SHALL BE PER KU REQUIREMENTS AND PASS INSPECTION. PROVIDE TWO (2) 4" HEAVY WALL SCHEDULE 40 PVC CONDUIT WITH PULL WIRE MINIMUM 42" BELOW FINISHED GRADE FOR KU'S PRIMARY SERVICE FEEDERS. FINAL CONNECTION POINT TO BE DETERMINED. ALL PRIMARY CABLING TO BE PROVIDED AND INSTALLED BY KU.

U23 PROVIDE 3-4" CONDUITS TO COMMUNICATIONS HANDHOLE LOCATION SHOWN ON SITE FOR COMMUNICATIONS CABLING. CABLING TO BE INSTALLED BY UTILITY. FINAL CONNECTION LOCATION TO BE DETERMINED.

U24 PROVIDE POWER CONNECTION TO LAKE PUMP DISCONNECT.

U26 KU UTILITIES WILL BORE ACROSS VERSAILLES ROAD FOR PRIMARY CONNECTION. COORDINATE WITH KU FOR FINAL LOCATION OF PRIMARY ABOVE GROUND PEDESTAL PRIOR TO PLACEMENT.

SITE NOTES

A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.

B ALL ITEMS SHOWN ON THESE PLANS ARE TO BE DEMOLISHED, UNLESS NOTED OTHERWISE ON PLANS.

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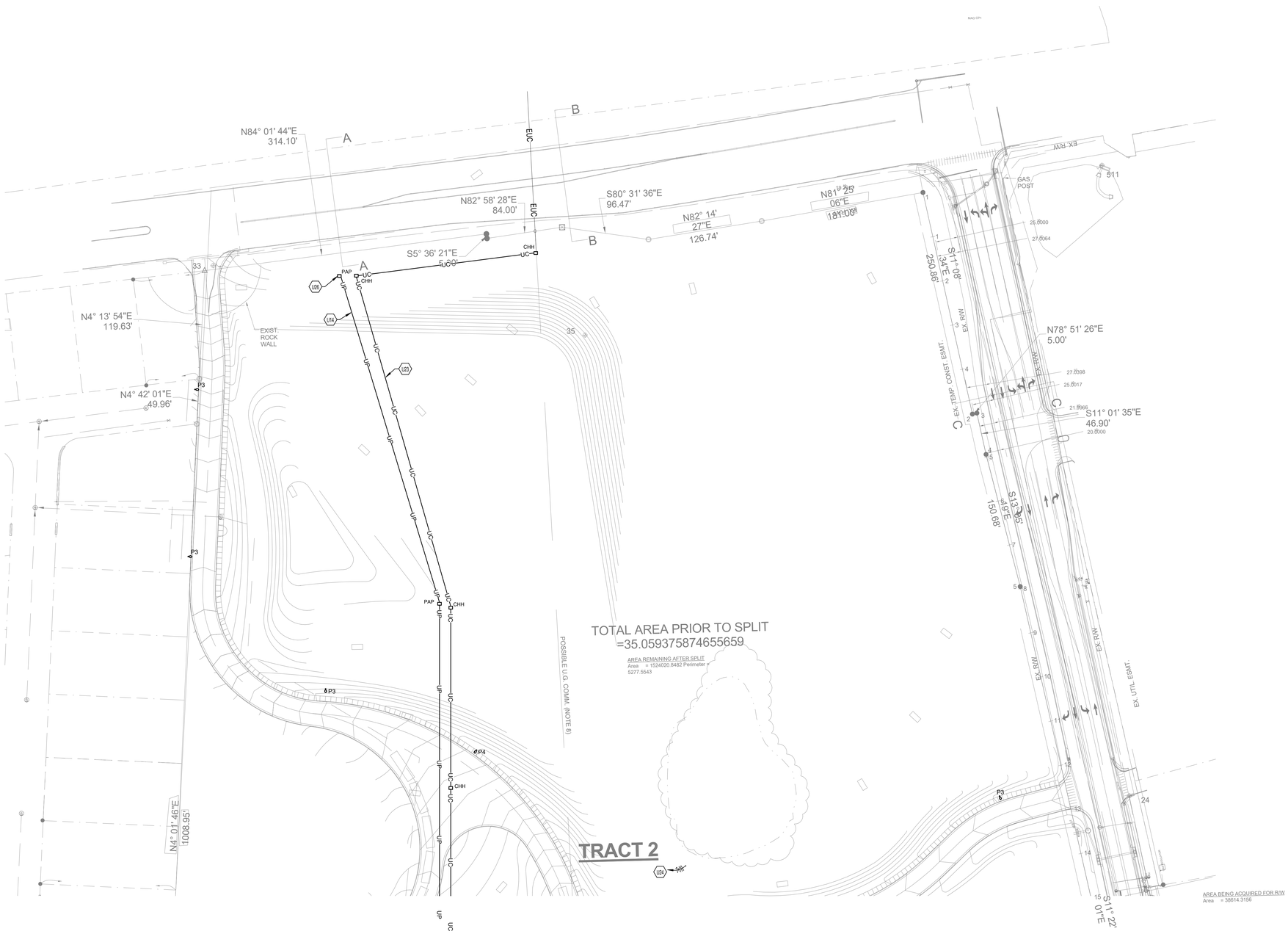
J THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.

K REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).

L COORDINATE DISPOSAL OF ALL EQUIPMENT, FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

M REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.



1 U1.1 **NORTH MEP SITE UTILITIES NEW WORK PLAN**
1" = 50'-0"

BEFORE YOU DIG

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SITE UTILITIES LEGEND

	EXISTING, DEMOLITION, NEW WORK
S	SANITARY MANHOLE
	FIRE HYDRANT
	WATER VALVE
ECO D(ECO) ECO	EXTERIOR CLEANOUT
TB D(TB) TB	THRUST BLOCK
—XXX—	NEW PIPING - (XXX) DENOTES SYSTEM
- - D(XXX) - -	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
—E(XXX)—	EXISTING PIPING - (XXX) DENOTES SYSTEM
—A(XXX)—	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
—OP—	OVERHEAD PRIMARY
—OS—	OVERHEAD SECONDARY
—OSL—	OVERHEAD STREET LIGHT
—OTS—	OVERHEAD TRAFFIC SIGNAL
—OT—	OVERHEAD TELECOMMUNICATIONS
—OF—	OVERHEAD FIBER OPTIC
—OTV—	OVERHEAD CATV
—UP—	UNDERGROUND PRIMARY
—US—	UNDERGROUND SECONDARY
—USL—	UNDERGROUND STREET LIGHT
—UTS—	UNDERGROUND TRAFFIC SIGNAL
—UT—	UNDERGROUND TELECOMMUNICATIONS
—UF—	UNDERGROUND FIBER OPTIC
—UTV—	UNDERGROUND CATV
—CHW—	CHILLED WATER
—W—	DOMESTIC WATER
—HPS/R—	HIGH PRESSURE SUPPLY/R
—PD—	PUMPED DISCHARGE RETURN
—SS—	SANITARY SEWER
—STORM—	STORM

UTILITY COMPANY CONTACTS:

POWER:
KENTUCKY UTILITIES — TYLER SKAGGS — 859.367.4217

TELEPHONE:
COMPANY

CABLE TELEVISION:
COMPANY

WATER SEWER:
COMPANY

GAS:
COMPANY

FIRE CHIEF:
FIRE DEPARMENT

IT IS THE CONTRACTORS RESPONSIBILITY TO MEET ALL LOCAL ORDINANCE AND MUNICIPAL REQUIREMENTS RELATED TO UTILITY INSTALLATION, INSPECTIONS, MATERIALS, FEES, ETC.

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NORTH MEP SITE UTILITIES NEW WORK PLAN
NEW RISE STEM ACADEMY FOR GIRLS
FOR:
FAYETTE COUNTY PUBLIC SCHOOLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

M.E.&P Engineer:
CMTA, Inc.
220 Lexington Green Circle
Suite 600
Lexington, KY 40504
p 859.253.0892
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537
Site/Civil Engineer:
Element Design
366 S Broadway,
Lexington, KY 40508
p 859.389.6533

BG# 23-547

Project No:	20045
Drawn By:	MSR
Rev'd By:	RC

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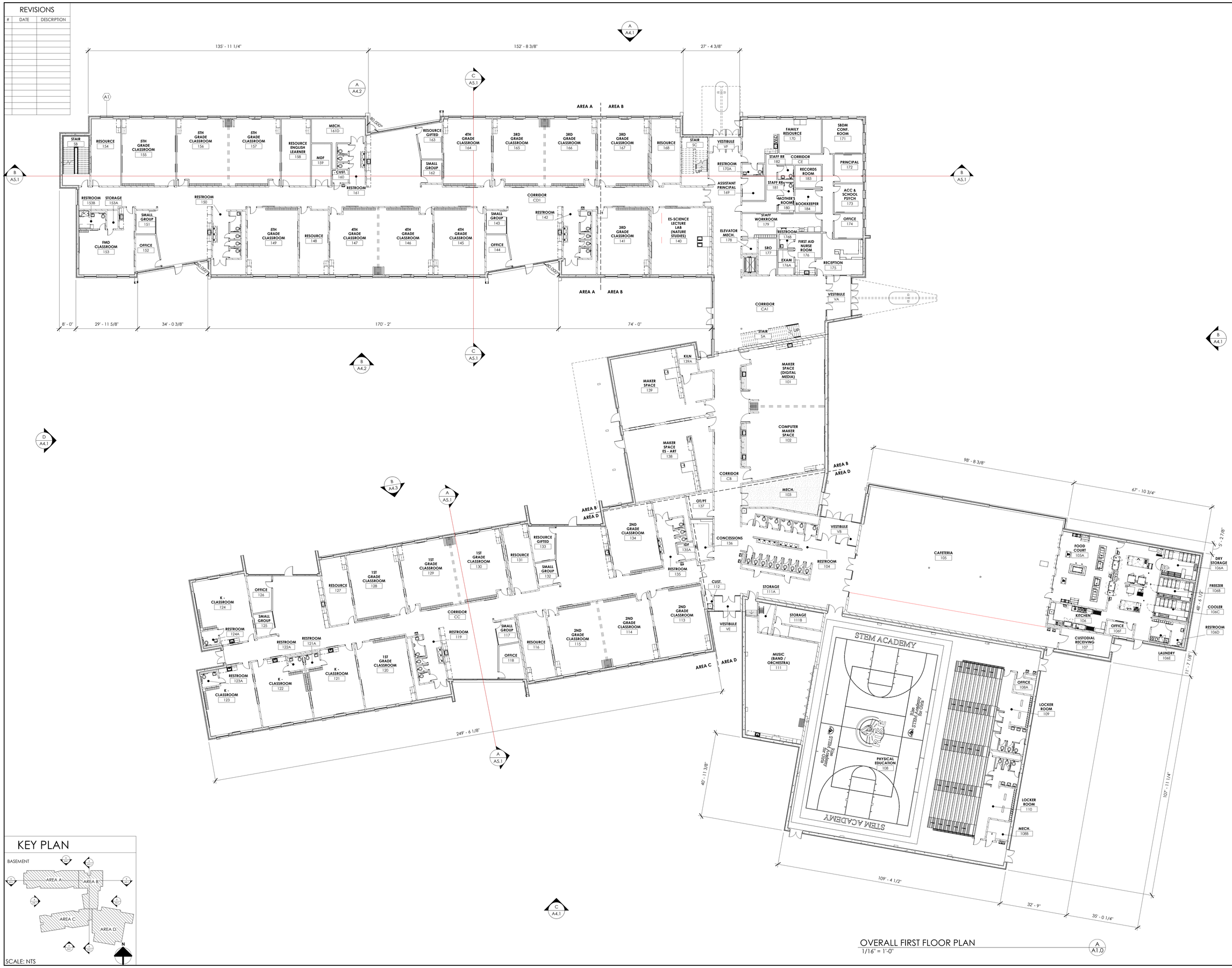
NORTH MEP SITE UTILITIES NEW WORK PLAN
DATE ISSUED:
04/08/2024

REVISIONS

#	DATE	DESCRIPTION



OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"
A1.0

KEY PLAN

SCALE: NTS

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

OVERALL FIRST FLOOR PLAN
FOR:
FAYETTE COUNTY PUBLIC SCHOOLS
FCPS NEW RISE ACADEMY FOR GIRLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

M.E.&P Engineer:
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220 Lexington Green Circle
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Lexington, KY 40504
p 859.253.0892
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Nashville, TN 37228
p 615.255.5537
Site/Civil Engineer:
Element Design
366 S Broadway,
Lexington, KY 40508
p 859.389.6533

BG# 23-547

Project No:	20045
Drawn By:	AB, AC, IDK
Rev'd By:	FB, MH

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OVERALL FIRST FLOOR PLAN

DATE ISSUED:
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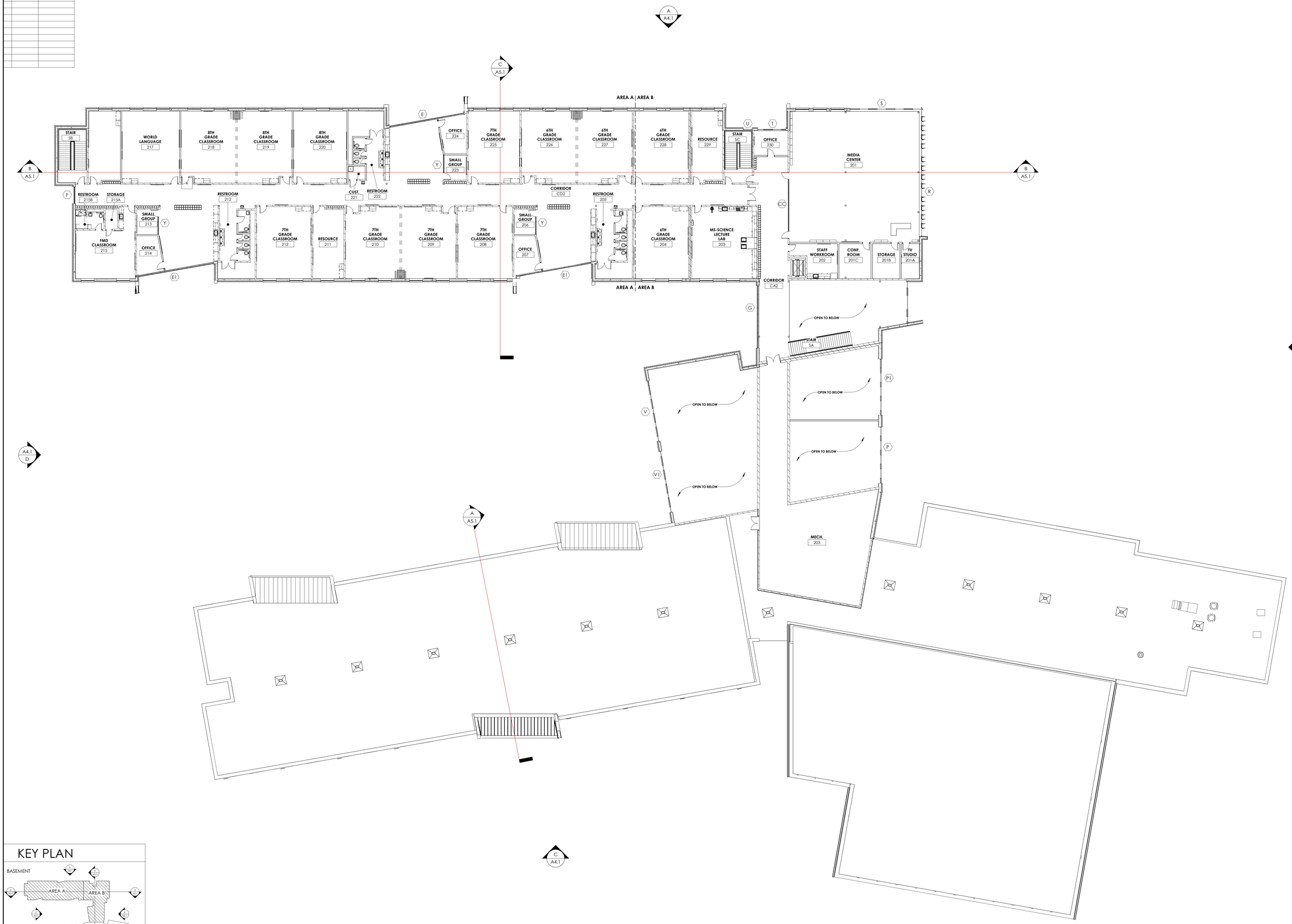
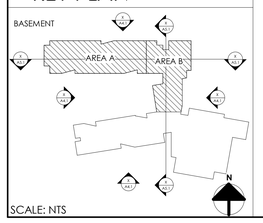
REVISIONS

#	DATE	DESCRIPTION



OVERALL SECOND FLOOR PLAN
1/16" = 1'-0"

KEY PLAN



SCALE: NTS

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OVERALL SECOND FLOOR PLAN
FCPS NEW RISE ACADEMY FOR GIRLS
FOR:
FAYETTE COUNTY PUBLIC SCHOOLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

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p 615.255.5537
Site/Civil Engineer:
Element Design
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Lexington, KY 40508
p 859.389.6533

BG# 23-547

Project No:	20045
Drawn By:	AB, AC, IDK
Rev'd By:	FB, MH

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OVERALL SECOND FLOOR PLAN
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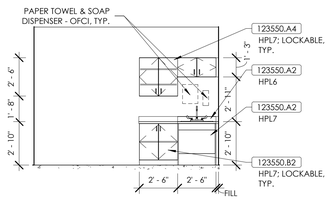
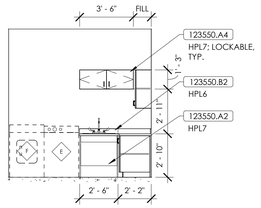
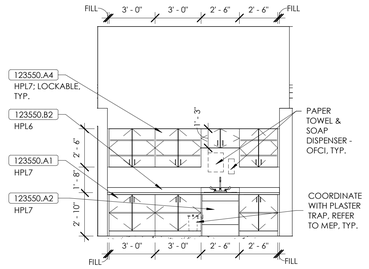


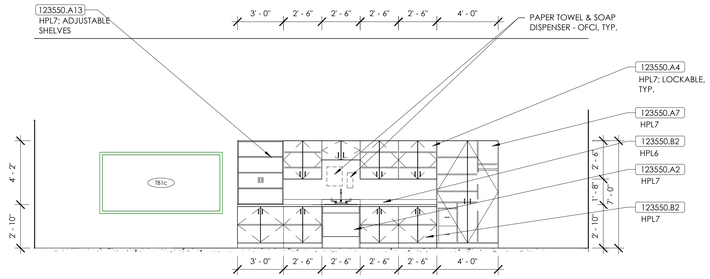
EXAM - 174A - PLAN WEST (K / A2.2)
1/4" = 1'-0"



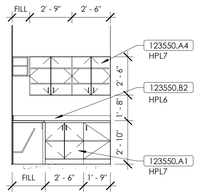
FAMILY RESOURCE - 168 - PLAN EAST (J / A2.2)
1/4" = 1'-0"



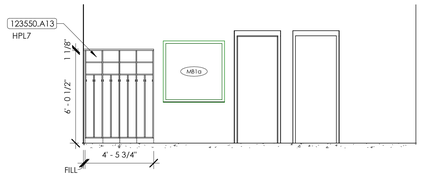
MAKER SPACE DIGITAL MEDIA - 101- PLAN WEST (H / A2.2)
1/4" = 1'-0"



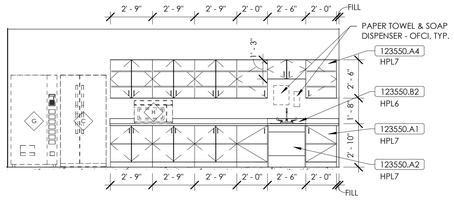
MAKER SPACE DIGITAL MEDIA - 101 - PLAN NORTH (G / A2.2)
1/4" = 1'-0"



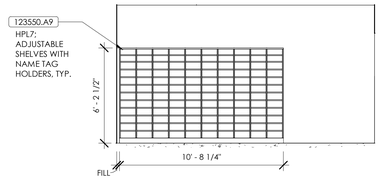
FAMILY RESOURCE - 168 - PLAN SOUTH (F / A2.2)
1/4" = 1'-0"



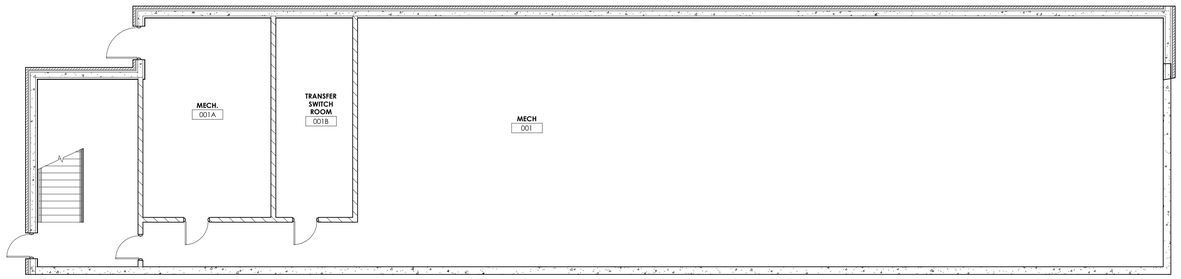
FMD - 153 - CUBBIES (E / A2.2)
1/4" = 1'-0"



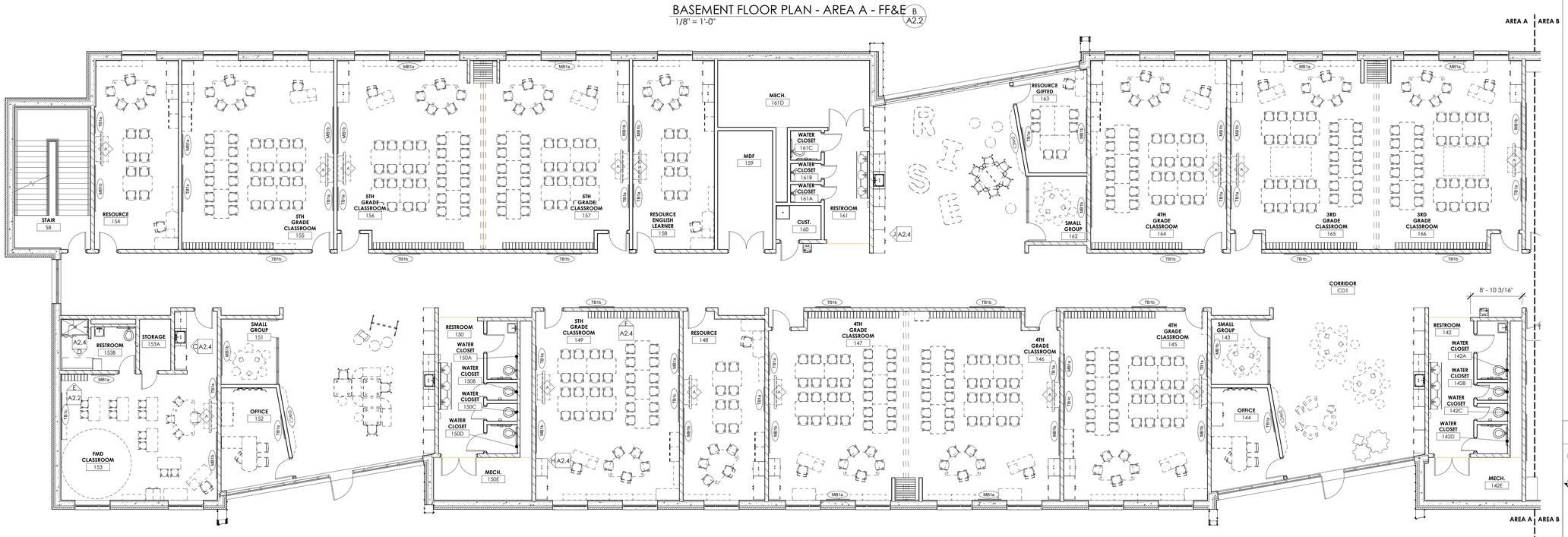
STAFF WORKROOM - 185 - PLAN SOUTH (D / A2.2)
1/4" = 1'-0"



STAFF WORKROOM - 179 - MAIL SLOTS (C / A2.2)
1/4" = 1'-0"



BASEMENT FLOOR PLAN - AREA A - FF&E (B / A2.2)
1/8" = 1'-0"



FIRST FLOOR PLAN - AREA A - FF&E (A / A2.2)
1/8" = 1'-0"

MATERIAL REFERENCE

123550.A1	Plastic Laminate Base Cabinet
123550.A2	Plastic Laminate Accessible Sink Base Cabinet & Slant Enclosure Panel
123550.A4	Plastic Laminate Wall Cabinet
123550.A7	Plastic Laminate Full-Ht. Wardrobe Cabinet & Lock
123550.A9	Plastic Laminate Mail Slots
123550.A13	Plastic Laminate Cubby
123550.B2	Plastic Laminate Countertop & Backsplash

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

FIRST FLOOR PLAN FF&E - AREA A
FCPS NEW RISE ACADEMY FOR GIRLS
FOR:
FAYETTE COUNTY PUBLIC SCHOOLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

M.E.&P Engineer:
CMTA, Inc.
220 Lexington Green Circle
Suite 600
Lexington, KY 40504
p 859.253.0892
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537
Site/Civil Engineer:
Element Design
366 S Broadway,
Lexington, KY 40508
p 859.389.6533

BG# 23-547

Project No: 20045
Drawn By: EJ / TM
Rev'd By: SB

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FIRST FLOOR PLAN FF&E - AREA A
DATE ISSUED:
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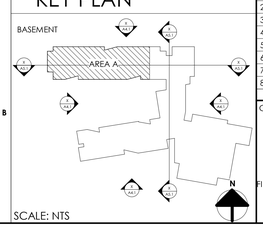
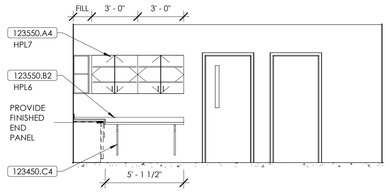
KEY PLAN



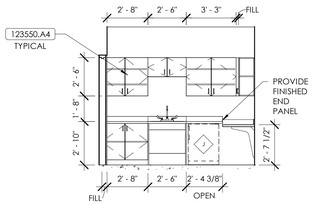
SCALE: NTS

REVISIONS

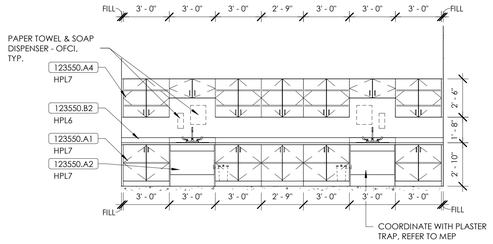
#	DATE	DESCRIPTION



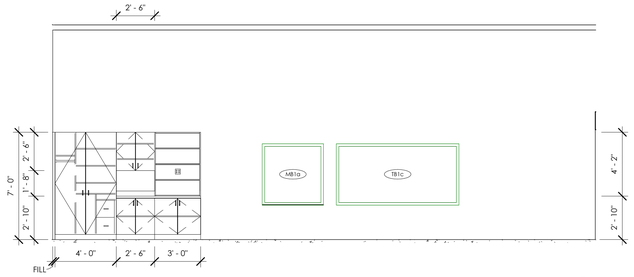
FIRST AID NURSE - 174 - PLAN WEST (G A2.3)
1/4" = 1'-0"



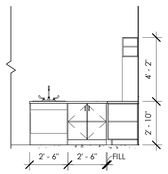
FIRST AID NURSE - 174 - PLAN SOUTH (J A2.3)
1/4" = 1'-0"



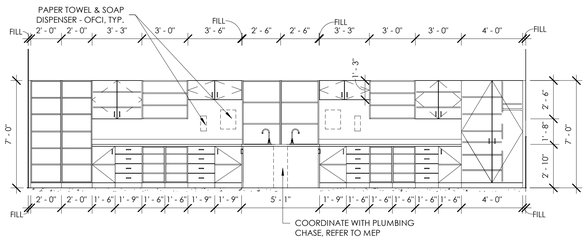
COMPUTER MAKER SPACE - 102 - PLAN WEST (F A2.3)
1/4" = 1'-0"



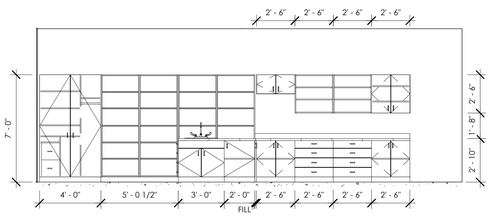
COMPUTER MAKERS SPACE - 102 - PLAN SOUTH (E A2.3)
1/4" = 1'-0"



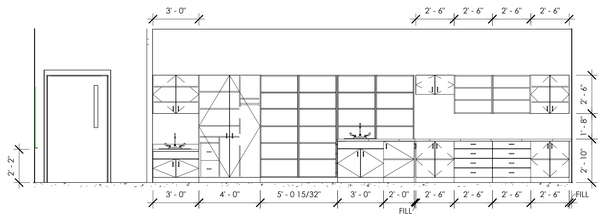
ES SCIENCE - 140 - SINKS (H A2.3)
1/4" = 1'-0"



ES SCIENCE - 140 - PLAN EAST (D A2.3)
1/4" = 1'-0"



MAKER SPACE - 139 - PLAN EAST (C A2.3)
1/4" = 1'-0"



MAKER SPACE ES - ART - 138 - PLAN EAST (B A2.3)
1/4" = 1'-0"

FIRST FLOOR PLAN - AREA B - FF&E (A A2.3)
1/8" = 1'-0"

MATERIAL REFERENCE

123450.C4	Countertop Support Bracket
123550.A1	Plastic Laminate Base Cabinet
123550.A2	Plastic Laminate Accessible Sink Base Cabinet & Slant Enclosure Panel
123550.A4	Plastic Laminate Wall Cabinet
123550.B2	Plastic Laminate Countertop & Backsplash

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FIRST FLOOR PLAN FF&E - AREA B
FOR:
FAYETTE COUNTY PUBLIC SCHOOLS
FCPS NEW RISE ACADEMY FOR GIRLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

M.E.&P Engineer:
CMTA, Inc.
220 Lexington Green Circle
Suite 600
Lexington, KY 40504
p 859.253.0892
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
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Site/Civil Engineer:
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BG# 23-547

Project No:	20045
Drawn By:	EJ / TM
Rev'd By:	SB

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FIRST FLOOR PLAN FF&E - AREA B
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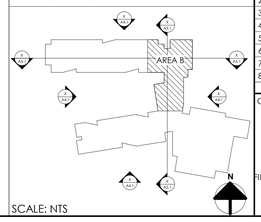
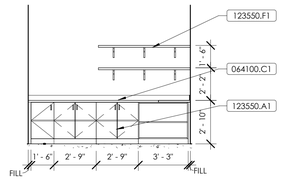
KEY PLAN



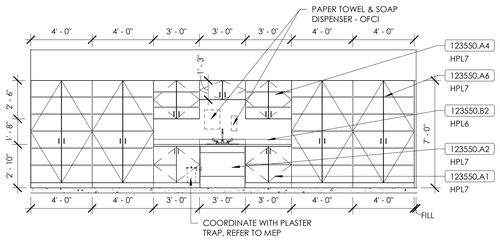
SCALE: NTS

REVISIONS

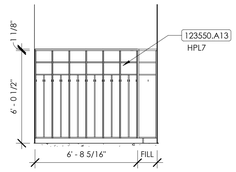
#	DATE	DESCRIPTION



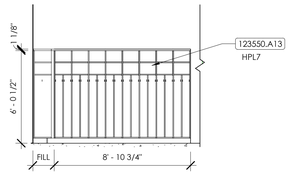
CONCESSIONS - 136 - PLAN NORTH (M / A2.4)
1/4" = 1'-0"



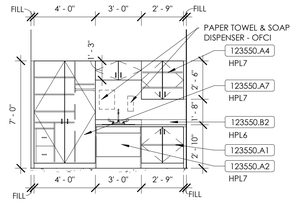
CO - LAB - TYPICAL CASEWORK (J / A2.4)
1/4" = 1'-0"



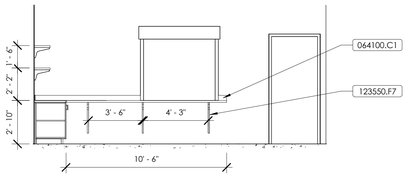
KINDERGARTEN - TYPICAL CUBBIES - SHORT WALL (G / A2.4)
1/4" = 1'-0"



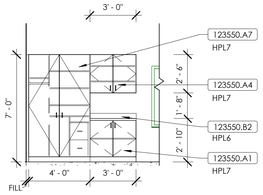
KINDERGARTEN - TYPICAL CUBBIES - LONG WALL (E / A2.4)
1/4" = 1'-0"



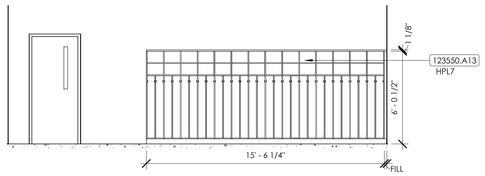
FMD - TYPICAL CASEWORK (C / A2.4)
1/4" = 1'-0"



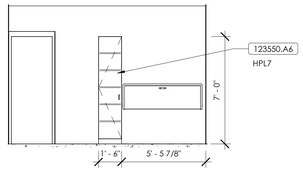
CONCESSIONS - 136 - PLAN EAST (L / A2.4)
1/4" = 1'-0"



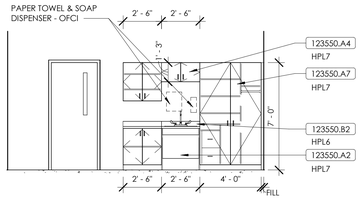
1ST - 5TH GRADE - TYPICAL CASEWORK (H / A2.4)
1/4" = 1'-0"



1ST - 5TH GRADE - TYPICAL CUBBIES (F / A2.4)
1/4" = 1'-0"



FMD RR - TYPICAL CASEWORK (D / A2.4)
1/4" = 1'-0"



KINDERGARTEN - TYPICAL CASEWORK (B / A2.4)
1/4" = 1'-0"

RESOURCE - TYPICAL CASEWORK (K / A2.4)
1/4" = 1'-0"

FIRST FLOOR PLAN - AREA C - FF&E (A / A2.4)
1/8" = 1'-0"

MATERIAL REFERENCE

064100.C1	Stainless Steel Countertop
123550.A1	Plastic Laminate Base Cabinet
123550.A2	Plastic Laminate Accessible Sink Base Cabinet & Slant Enclosure Panel
123550.A4	Plastic Laminate Wall Cabinet
123550.A6	Plastic Laminate Full-Ht. Storage Cabinet & Lock
123550.A7	Plastic Laminate Full-Ht. Wardrobe Cabinet & Lock
123550.A13	Plastic Laminate Cubby
123550.B2	Plastic Laminate Countertop & Backsplash
123550.F1	Shelf Bracket (match A&M Hardware, Size for Shelf Depth)
123550.F7	Countertop Support Bracket

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

FIRST FLOOR PLAN FF&E - AREA C

FCPS NEW RISE ACADEMY FOR GIRLS

FOR:

FAYETTE COUNTY PUBLIC SCHOOLS

2160 VERSAILLES ROAD, LEXINGTON, KY 40504

M.E.&P Engineer:
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Site/Civil Engineer:
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BG# 23-547

Project No:	20045
Drawn By:	EJ / TM
Rev'd By:	SB

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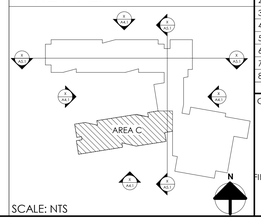
KEY PLAN



SCALE: NTS

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FIRST FLOOR PLAN FF&E - AREA C

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04/08/2024

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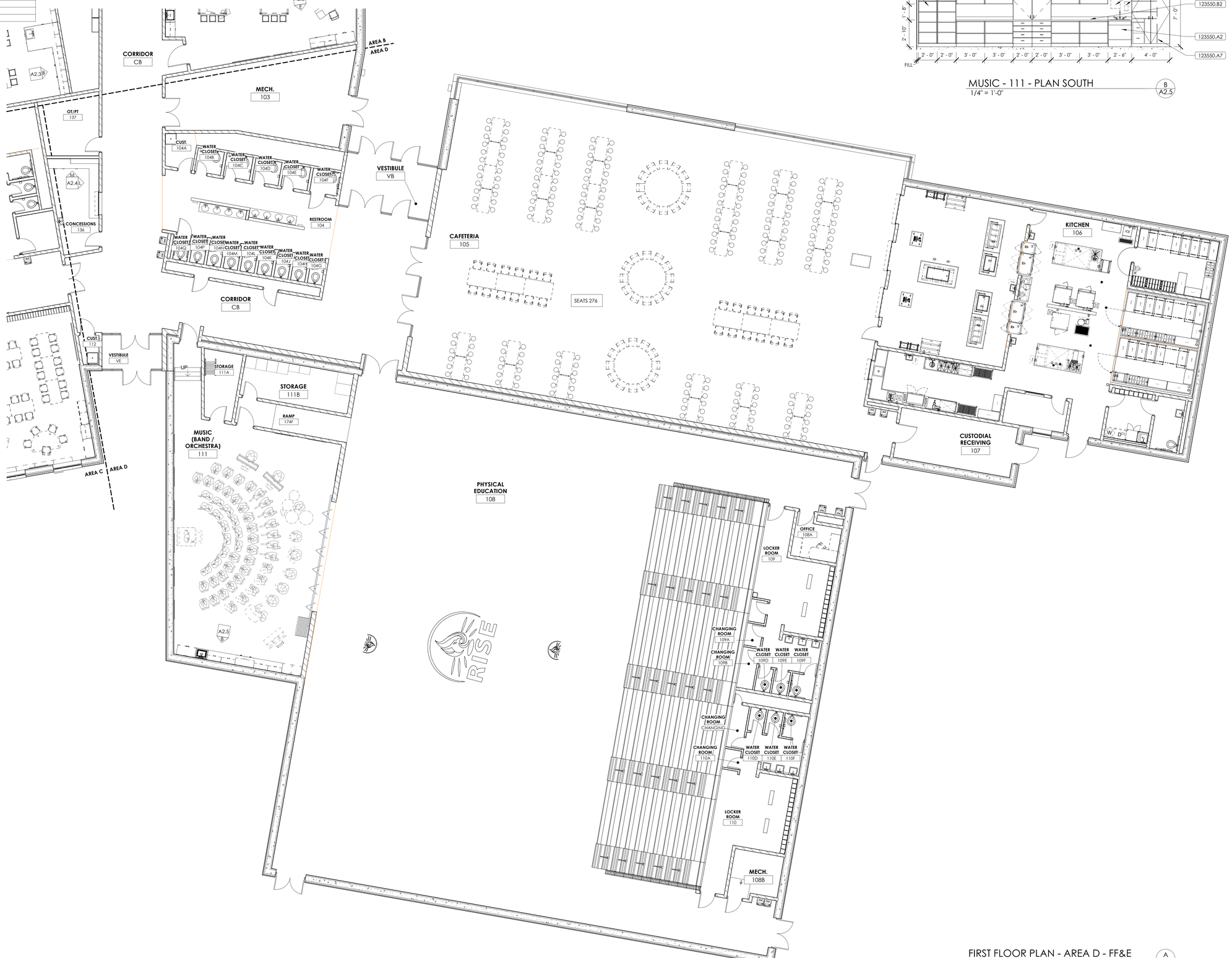
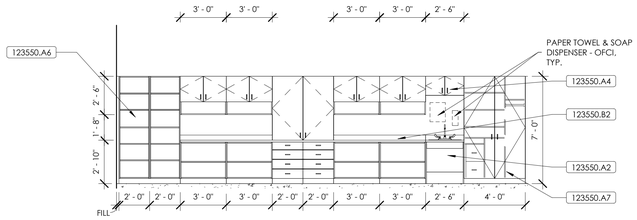


FIRST FLOOR PLAN - AREA D - FF&E (A / A2.5)
1/8" = 1'-0"

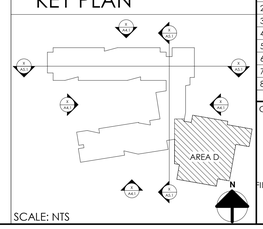


MUSIC - 111 - PLAN SOUTH (B / A2.5)
1/4" = 1'-0"

MATERIAL REFERENCE

1123550.A2	Plastic Laminate Accessible Sink Base Cabinet & Slant Enclosure Panel
1123550.A4	Plastic Laminate Wall Cabinet
1123550.A6	Plastic Laminate Full-Ht. Storage Cabinet & Lock
1123550.A7	Plastic Laminate Full-Ht. Wardrobe Cabinet & Lock
1123550.B2	Plastic Laminate Countertop & Backsplash

KEY PLAN



SCALE: NTS

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FIRST FLOOR PLAN FF&E - AREA D
FCPS NEW RISE ACADEMY FOR GIRLS
FOR:
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2160 VERSAILLES ROAD, LEXINGTON, KY 40504

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FIRST FLOOR PLAN FF&E - AREA D

DATE ISSUED:
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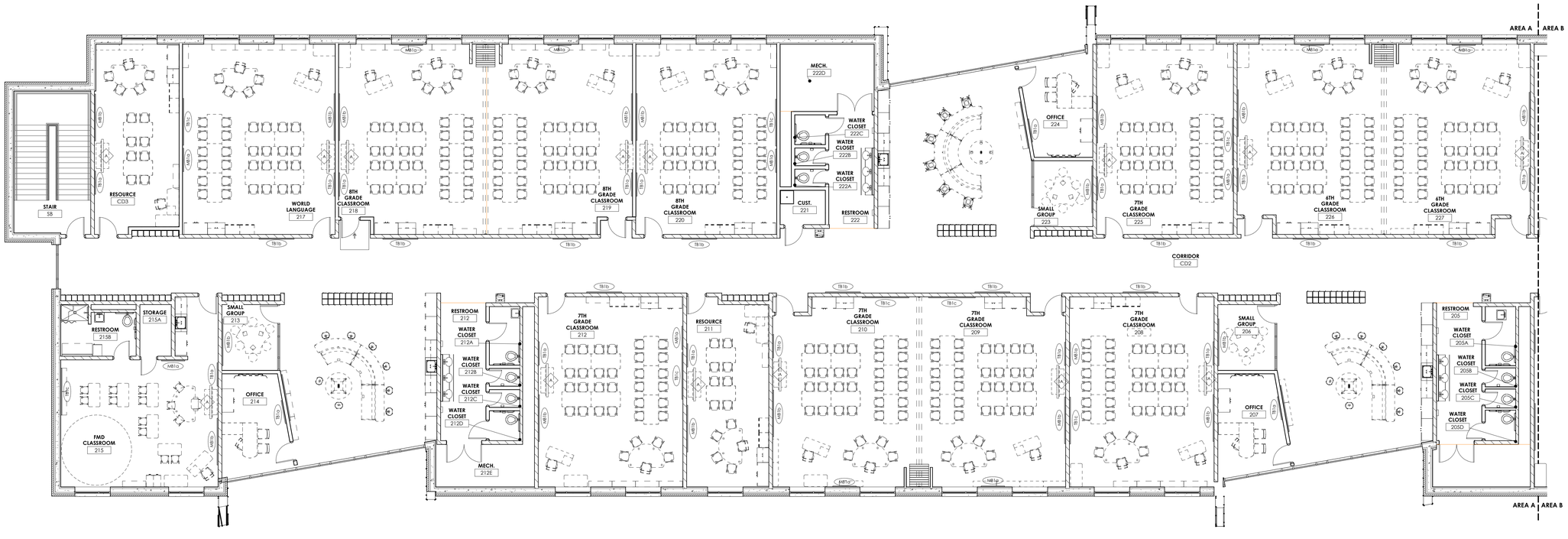
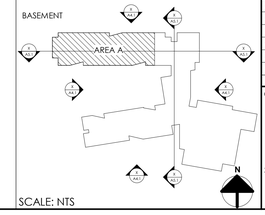
MATERIAL REFERENCE



SECOND FLOOR PLAN - AREA E - FF&E (A / A2.6)
1/8" = 1'-0"

KEY PLAN



SCALE: NTS

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SECOND FLOOR PLAN FF&E - AREA A
FOR:
FCPS NEW RISE ACADEMY FOR GIRLS
FAYETTE COUNTY PUBLIC SCHOOLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

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SECOND FLOOR PLAN FF&E - AREA A
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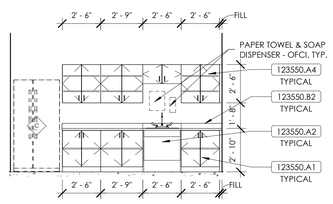
REVISIONS

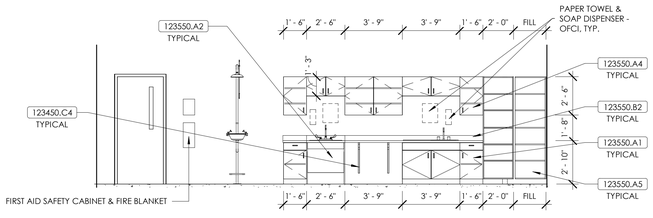
#	DATE	DESCRIPTION

MATERIAL REFERENCE

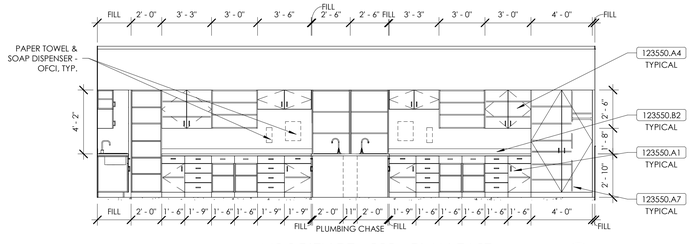
123450.C4	Countertop Support Bracket
123550.A1	Plastic Laminate Base Cabinet
123550.A2	Plastic Laminate Accessible Sink Base Cabinet & Slant Enclosure Panel
123550.A4	Plastic Laminate Wall Cabinet
123550.A5	Plastic Laminate Cabinet
123550.A7	Plastic Laminate Full-Ht. Wardrobe Cabinet & Lock
123550.B2	Plastic Laminate Countertop & Backsplash



STAFF WORKROOM - 202 - PLAN SOUTH (D / A2.7)
1/4" = 1'-0"



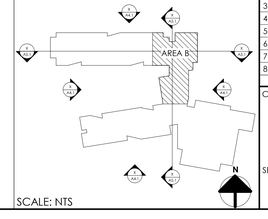
MS SCIENCE - 203 - PLAN NORTH (C / A2.7)
1/4" = 1'-0"



MS SCIENCE - 203 - PLAN EAST (B / A2.7)
1/4" = 1'-0"

SECOND FLOOR PLAN - AREA B - FF&E (A / A2.7)
1/8" = 1'-0"

KEY PLAN



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SECOND FLOOR PLAN FF&E - AREA B

FOR:

FAYETTE COUNTY PUBLIC SCHOOLS
FCPS NEW RISE ACADEMY FOR GIRLS
2160 VERSAILLES ROAD, LEXINGTON, KY 40504

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