Estill Springs Elementary School ARP ESSER Phase 2 Renovation & Addition

Irvine, Kentucky

for the

Estill County Board of Education

253 Main Street, Irvine, Kentucky 40336
p 606.723.2181

BG # 22-207
RTA # 2148

rosstarrant architects

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

enhancing education through great design

STRUCTURAL ENGINEER: STRUCTURAL DESIGN GROUP, INC.
220 Great Circle Road, Suite 106 Nashville, Tennessee 37228
p 615.255.5537

M.E.P. ENGINEER: STAGGS & FISHER
3264 Lochness Drive Lexington, Kentucky 40517
p 859.271.3246

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

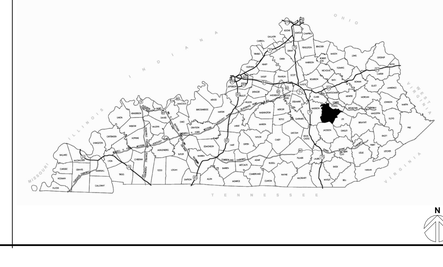
CONSTRUCTION MANAGER: CODELL CONSTRUCTION COMPANY
4475 Rockwell Rd. Winchester, Kentucky 40391
p 859.744.2222

PROJECT SITE ADDRESS:

314 Main St.
Irvine, KY 40336

VICINITY MAP

PROJECT VICINITY MAP



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COVER SHEET
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BG# 22-207

Project No:	2148
Drawn By:	KM/BR/JR
Rev'd By:	PF/RB

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COVER SHEET

DATE ISSUED:
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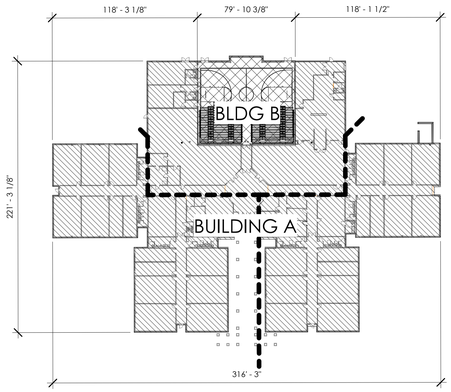
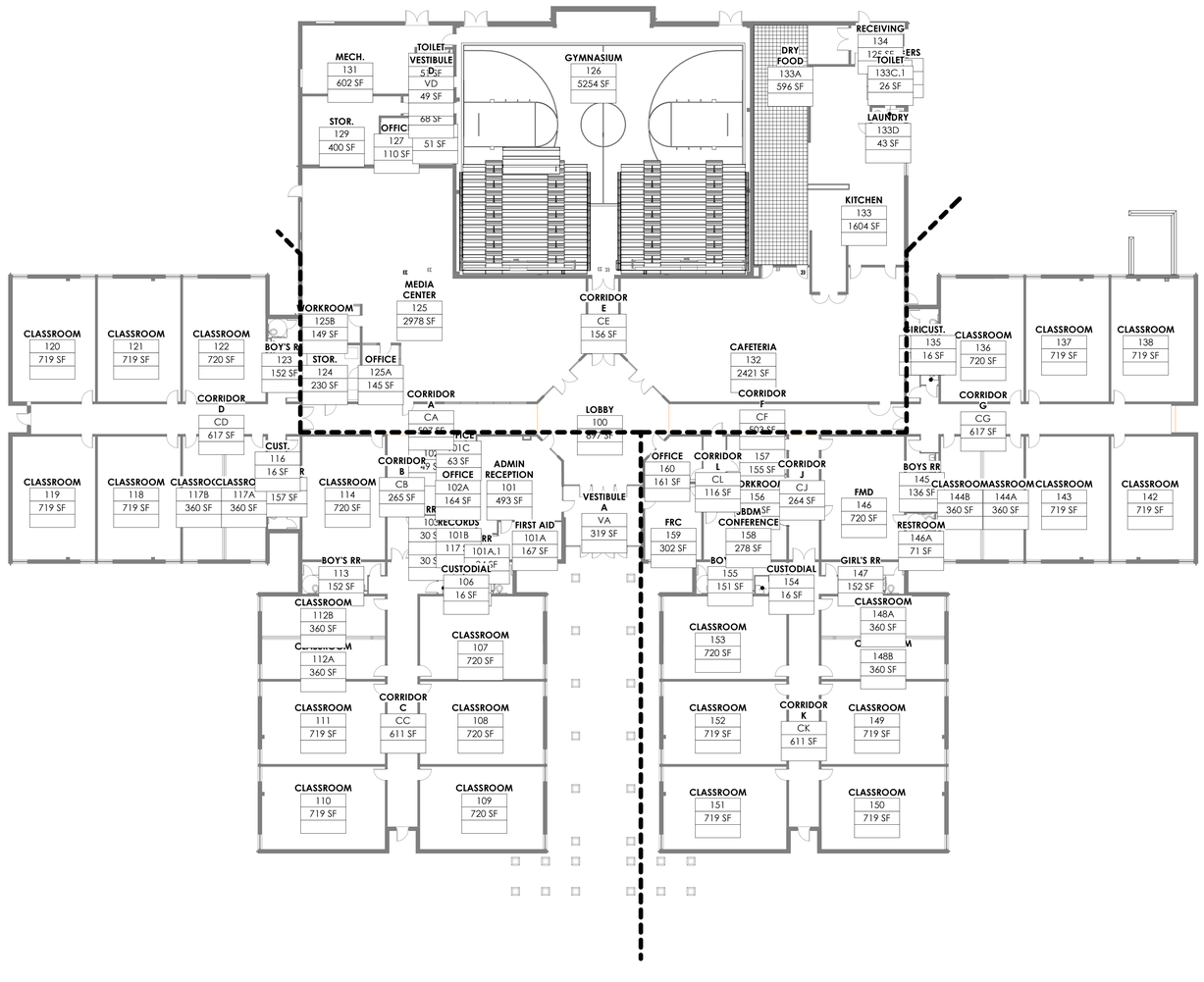
REVISIONS

#	DATE	DESCRIPTION



CODE REVIEW - HEIGHT AND AREA
1" = 50'-0"
B / G1.0



CODE REVIEW
1/16" = 1'-0"
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CODES AND APPLICABLE STANDARDS

2018 KENTUCKY BUILDING CODE (BASED ON THE 2015 INTERNATIONAL BUILDING CODE)
2009 ICC/ANSI A117.1--ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
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2010 NFPA 14 - STANDPIPE, HOSE SYSTEMS
2009 NFPA 54 - NATIONAL FUEL GAS
2017 NFPA 70 - NATIONAL ELECTRICAL CODE
2010 NFPA 72 - FIRE ALARM
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AMERICAN STANDARDS AND TESTING METHODS (ASTM)
702 KAR 4:170 FACILITY PROGRAMMING AND CONSTRUCTION CRITERIA PLANNING GUIDE, KENTUCKY DEPARTMENT OF EDUCATION (KDE)

FIRE RESISTANCE REQUIREMENTS

FIRE RESISTANCE PER CONSTRUCTION TYPE: 2B

BUILDING ELEMENT:	FIRE-RESISTANCE RATING RQMT., HRS:
STRUCTURAL FRAME:	0
BEARING WALLS, EXTERIOR:	0
BEARING WALLS, INTERIOR:	0
NONBEARING WALLS & PARTITIONS, EXTERIOR:	0
NONBEARING WALLS & PARTITIONS, INTERIOR:	0
FLOOR CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS:	0
ROOF CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS:	0

ADDITIONAL FIRE-RESISTANT CONSTRUCTION

FIRE-RESISTANT ASSEMBLY TYPE:	FIRE-RESISTANCE RATING RQMT., HRS:
FIRE WALL	2
FIRE BARRIERS	
VERTICAL EXIT ENCLOSURE	1
VERTICAL SHAFT, INCL. ELEVATOR	1
RECORDS ROOM IN ADMIN AREA (PER KDE)	2
CORRIDORS	N/A DUE TO SPRINKLER

SMOKE-TIGHT CONSTRUCTION REQUIRED FOR INCIDENTAL USE AREAS AS FOLLOWS:

INCIDENTAL USE AREA:
FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU/HR INPUT
ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HP
REFRIGERANT MACHINERY ROOM
LABORATORIES AND VOCATIONAL SHOPS

*NOTE: THE ABOVE REQUIRE ONLY SMOKE-TIGHT CONSTRUCTION PER KBC DUE TO AUTOMATIC SPRINKLER

HEIGHT AND AREA CALCULATIONS

BUILDING: **EXISTING H.S.**

OCCUPANCY CLASSIFICATION: **E** CONSTRUCTION TYPE: **IIB** SPRINKLER: **YES**

BUILDING PERIMETER, P: **1,631' - 0"** OPEN PERIMETER, F: **1,095' - 0"** WIDTH, W: **30'**

ELEMENT	TABULAR VALUE	INCREASE FOR AUTOMATIC SPRINKLER	INCREASE FOR FRONTAGE	ALLOWABLE VALUE (SUM PREVIOUS COLUMNS)	ACTUAL VALUE
HEIGHT	55'	20'	N/A	75'	28'
STORIES	2	1	N/A	3	1
AREA PER FLOOR	At = 14,500 SF	2 x At = 29,000 SF	At x [F/P - .25] x (W/30) = 12,622 SF	56,122 SF	1st FL: 41,004 SF

BUILDING: **ADDITION**

OCCUPANCY CLASSIFICATION: **E** CONSTRUCTION TYPE: **IIB** SPRINKLER: **YES**

BUILDING PERIMETER, P: **287' - 8"** OPEN PERIMETER, F: **218' - 8"** WIDTH, W: 30'

ELEMENT	TABULAR VALUE	INCREASE FOR AUTOMATIC SPRINKLER	INCREASE FOR FRONTAGE	ALLOWABLE VALUE (SUM PREVIOUS COLUMNS)	ACTUAL VALUE
HEIGHT	55'	20'	N/A	75'	28'
STORIES	2	1	N/A	3	1
AREA PER FLOOR	At = 14,500 SF	2 x At = 29,000 SF	At x [F/P - .25] x (W/30) = 0 SF	43,500 SF	1st FL: 5,584 SF

NOTE:
1. ADDITION DOES NOT CHANGE EXISTING OCCUPANCY TYPE, OCCUPANCY COUNT OR EGRESS COMPONENTS. ALL NEW OCCUPANTS IN THE ADDITION EGRESS THROUGH THE ADDITION WITHOUT ENTERING INTO THE EXISTING HIGH SCHOOL.
2. ALL ROOMS WITHIN THE ADDITION HAVE LESS THAT 50 PROPOSED OCCUPANTS, THEREFORE EACH ROOM MEETS THE REQUIREMENT FOR 1 EXIT AND MINIMUM CLEAR EGRESS SPACE OF 32"

EGRESS COMPONENT TABLE

BUILDING A-SECOND FLOOR:

COMP. #	COMPONENT TYPE	REQUIRED WIDTH PER OCCUPANT	# OF OCCUPANTS	REQUIRED EGRESS WIDTH	MINIMUM PROPOSED EGRESS WIDTH	EXITS TO:
		.2"				
		.15"				

BUILDING A-FIRST FLOOR: X TOTAL OCCUPANTS + X OCCUPANTS FROM FLOORS ABOVE = X OCCUPANTS REQUIRES X EXITS

EGRESS PLAN - SYMBOL KEY

ROOM NUMBER / ROOM NAME / GROSS/NET S.F. / # OCCUPANTS & OCCUPANCY TYPE — ROOM TAG W/ DESIGN OCCUPANCY NUMBER
NOTE: AREAS OF FIXED FURNITURE HAVE BEEN SUBTRACTED FROM TOTAL ROOM SQUARE FOOTAGE TO ARRIVE AT TOTAL NUMBER OF OCCUPANTS.

OCCUPANT TYPES
E - EDUCATION (NSF) K - KITCHEN (GSF)
B - BUSINESS (GSF) L - LOCKER ROOM (GSF)
S - STORAGE (GSF) M - MERCANTILE (GSF)

* — INDICATES NON-CONCURRENT USE OCCUPANCY

COMPONENT SEE TABLE BELOW / #X / FLOOR — EGRESS COMPONENT TAG

EGRESS PATH

— TOTAL UNPROTECTED EXIT ACCESS TRAVEL DISTANCE

OPEN PERIMETER FRONTAGE

DEMARCATION LINE BETWEEN EXISTING & NEW CONSTRUCTION

DURATION OF FIRE-RESISTANCE / #HR — FIRE PROTECTED AREA - I.E. ALL SURROUNDING WALLS ARE OF A FIRE-RESISTANT ASSEMBLY - SEE FIRE RESISTANCE REQUIREMENTS ABOVE FOR ADDITIONAL INFORMATION

* SEE A0.1 SHEET FOR ADDITIONAL FIRE-RESISTANCE SYMBOLS THAT MAY APPEAR ON THIS SHEET.

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

NOT FOR CONSTRUCTION

CODE REVIEW
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
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CODE REVIEW

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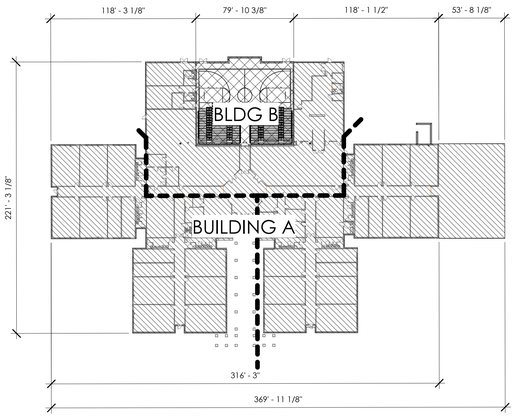
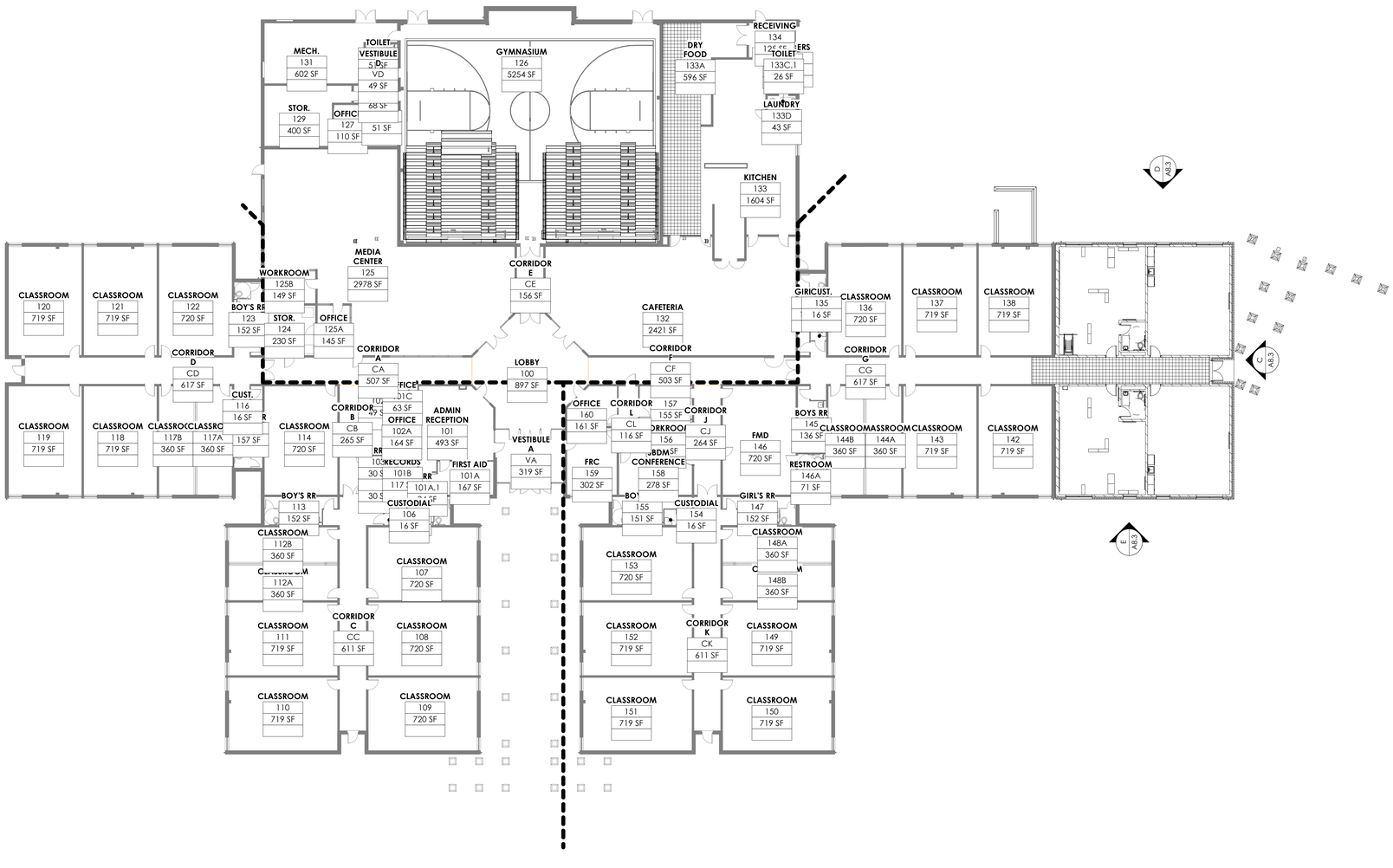


CODE REVIEW - HEIGHT AND AREA - ALT 4
1" = 50'-0"
B G2.0



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BEARING WALLS, INTERIOR:	0
NONBEARING WALLS & PARTITIONS, EXTERIOR:	0
NONBEARING WALLS & PARTITIONS, INTERIOR:	0
FLOOR CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS:	0
ROOF CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS:	0

ADDITIONAL FIRE-RESISTANT CONSTRUCTION

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BUILDING: **EXISTING H.S.**

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BUILDING PERIMETER, P: **1,631' - 0"** OPEN PERIMETER, F: **1,095' - 0"** WIDTH, W: **30'**

ELEMENT	TABULAR VALUE	INCREASE FOR AUTOMATIC SPRINKLER	INCREASE FOR FRONTAGE	ALLOWABLE VALUE (SUM PREVIOUS COLUMNS)	ACTUAL VALUE
HEIGHT	55'	20'	N/A	75'	28'
STORIES	2	1	N/A	3	1
AREA PER FLOOR	At = 14,500 SF	2 x At = 29,000 SF	At x [F/P - .25] x (W/30) = 12,622 SF	56,122 SF	1st FL: 41,004 SF

BUILDING: **ADDITION**

OCCUPANCY CLASSIFICATION: **E** CONSTRUCTION TYPE: **IIB** SPRINKLER: **YES**

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ELEMENT	TABULAR VALUE	INCREASE FOR AUTOMATIC SPRINKLER	INCREASE FOR FRONTAGE	ALLOWABLE VALUE (SUM PREVIOUS COLUMNS)	ACTUAL VALUE
HEIGHT	55'	20'	N/A	75'	28'
STORIES	2	1	N/A	3	1
AREA PER FLOOR	At = 14,500 SF	2 x At = 29,000 SF	At x [F/P - .25] x (W/30) = 0 SF	43,500 SF	1st FL: 5,584 SF

NOTE:
1. ADDITION DOES NOT CHANGE EXISTING OCCUPANCY TYPE, OCCUPANCY COUNT OR EGRESS COMPONENTS. ALL NEW OCCUPANTS IN THE ADDITION EGRESS THROUGH THE ADDITION WITHOUT ENTERING INTO THE EXISTING HIGH SCHOOL.
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EGRESS COMPONENT TABLE

BUILDING A-SECOND FLOOR:

COMP. #	COMPONENT TYPE	REQUIRED WIDTH PER OCCUPANT	# OF OCCUPANTS	REQUIRED EGRESS WIDTH	MINIMUM PROPOSED EGRESS WIDTH	EXITS TO:
		.2"				
		.15"				

BUILDING A-FIRST FLOOR: X TOTAL OCCUPANTS + X OCCUPANTS FROM FLOORS ABOVE = X OCCUPANTS REQUIRES X EXITS

EGRESS PLAN - SYMBOL KEY

ROOM NUMBER — ROOM NAME
GROSS/NET S.F.
OCCUPANTS & OCCUPANCY TYPE

ROOM TAG W/ DESIGN OCCUPANCY NUMBER
NOTE: AREAS OF FIXED FURNITURE HAVE BEEN SUBTRACTED FROM TOTAL ROOM SQUARE FOOTAGE TO ARRIVE AT TOTAL NUMBER OF OCCUPANTS.

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* INDICATES NON-CONCURRENT USE OCCUPANCY

COMPONENT SEE TABLE BELOW — #X — FLOOR: EGRESS COMPONENT TAG

EGRESS PATH

TOTAL UNPROTECTED EXIT ACCESS TRAVEL DISTANCE

OPEN PERIMETER FRONTAGE

DEMARCATION LINE BETWEEN EXISTING & NEW CONSTRUCTION

DURATION OF FIRE-RESISTANCE — #HR: FIRE PROTECTED AREA - I.E. ALL SURROUNDING WALLS ARE OF A FIRE-RESISTANT ASSEMBLY - SEE FIRE RESISTANCE REQUIREMENTS ABOVE FOR ADDITIONAL INFORMATION

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Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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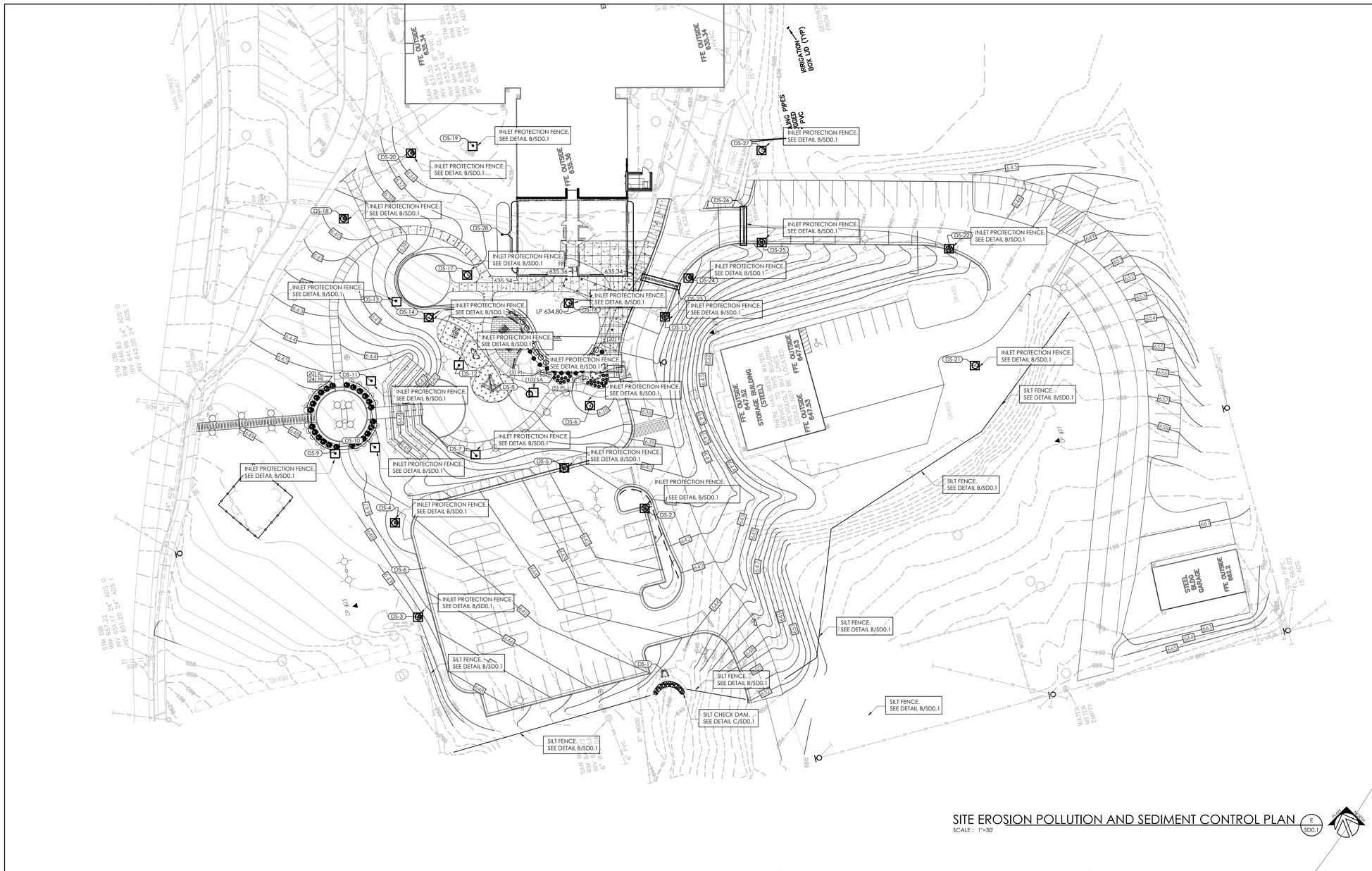
CODE REVIEW - ALT 4

DATE ISSUED:
05/09/2022



SITE EROSION POLLUTION AND SEDIMENT CONTROL PLAN

SCALE : 1"=30'

E / SD0.1

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON THIS SHEET FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

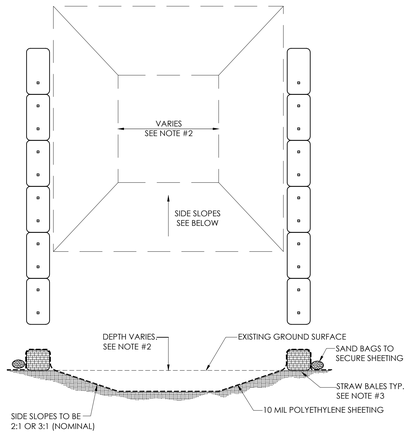
SITE BMP NOTES

1. CONTRACTOR IS TO PROVIDE ALL KPDES PERMITS, NOTICES OF INTENT (NOI'S) AND NOTICES OF TERMINATION INCLUDING EROSION AND SEDIMENT CONTROL PLANS FOR ALL PHASES OF CONSTRUCTION. ALL KPDES AND RELATED DIVISION OF WATER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE PROJECT IS CLOSED OUT AND THE NOTICE OF TERMINATION APPROVED.
2. SEDIMENT CONTROL FENCING SHOWN AND REFERENCES TO SEDIMENT CONTROLS AT STORM WATER STRUCTURES AND ELSEWHERE ON THE DOCUMENTS ARE NOT TO BE USED FOR DIVISION OF WATER REQUIREMENTS. THESE REFERENCES ARE ONLY REQUIRED BY THE DESIGNER FOR PROPER MAINTENANCE OF THE STORM WATER SYSTEM AND TO MINIMIZE CLEANING OF THE SYSTEM AND PAVEMENTS.
3. EXISTING VEGETATION IS TO BE LEFT INTACT UNTIL CONSTRUCTION IN THAT PARTICULAR LOCATION IS REQUIRED. SOIL STABILIZATION PRACTICES (SEEDING, MULCHING, ETC.) ARE TO BEGIN WITHIN 14 DAYS OF PERMANENT COMPLETION OR TEMPORARY HALT (21 DAYS OR MORE) OF WORK IN ANY PARTICULAR AREA.
4. PERIMETER SEDIMENT AND EROSION CONTROLS ARE TO BE INSTALLED PRIOR TO THE START OF SITE CLEARING AND GRUBBING. EROSION CONTROLS SHALL BE IN ACCORDANCE WITH KYTC. CONTROL SHALL BE ACCOMPLISHED BY USE OF INTERCEPTOR DITCHES, DITCH SILT CHECKS, TEMPORARY SEEDING AND OTHER MEASURES AS MAY BE EFFECTIVE IN ACHIEVING THE DESIRED EFFECT. SILT FENCE SHALL BE INSTALLED TO PREVENT EROSION AND WASH-OFF ONTO WALKS, PAVEMENTS AND ALL ADJOINING PROPERTIES.
5. INSTALL SEDIMENT CONTROL FENCE OR SEDIMENT TRAPS AROUND ALL STORM WATER INLETS AND MAINTAIN UNTIL VEGETATION IS ESTABLISHED OR AREA PAVED AS APPROVED BY THE ARCHITECT. STORM WATER INLET PROTECTION IS TO BE INSTALLED IMMEDIATELY AFTER INSTALLATION OF THE STRUCTURES. REMOVE PROTECTIONS AT THE COMPLETION OF THE PROJECT WHEN CONDITIONS NO LONGER WARRANT THEIR USE. SEE SD4 SHEETS FOR DETAILS.
6. TYPICAL SILT FENCE AND SEDIMENT TRAP INSTALLATION DETAILS ARE SHOWN ON THE SD4 SHEETS. SEE KYTC STANDARDS FOR INFORMATION CONCERNING THE STONE SILT CHECKS.
7. SEDIMENT CONTROLS ARE TO BE INSPECTED, CLEANED AND REPAIRED AFTER EACH RAIN EVENT OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE PER WEEK. A LOG OF INSPECTIONS AND CLEANING IS TO BE KEPT ON SITE.
8. THE LOCATIONS OF SEDIMENT CONTROLS SHOWN ARE FOR GENERAL PROTECTION PRACTICES AND NOT AS PART OF A BMP PLAN. IF CONSTRUCTION ACTIVITIES PRODUCE CONDITIONS THAT REQUIRE ADDITIONAL CONTROLS, IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE, INSTALL AND MAINTAIN THE CONTROLS UNTIL CONDITIONS NO LONGER WARRANT THEIR USE.
9. ALL STORM DRAINAGE CATCH BASINS, CURB INLETS, AND JUNCTIONS BOXES ARE TO RECEIVE PROTECTION FROM SEDIMENTATION. AT A MINIMUM A PERIMETER SILT FENCE SHOULD BE INSTALLED AROUND THE DRAINAGE STRUCTURE AND INSTALLED UNDER THE GRATE.

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF CONTAINED. LOCATION TO BE COORDINATED WITH THE CONSTRUCTION MANAGER AND THE OWNER.
2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREAS TO THE ARCHITECT FOR APPROVAL PRIOR TO ANY CONCRETE PLACEMENT. COORDINATE LOCATION WITH THE EROSION POLLUTION AND SEDIMENT CONTROL PLAN.

   LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50-FEET FROM ANY STREAM, WETLAND, STORM DRAINS OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOOD PLANE.

   SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, STRAW BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ARCHITECT, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING.
5. WASHOUT AREA(S) ARE TO BE INSPECTED, CLEANED AND REPAIRED AFTER EACH RAIN EVENT OF 0.5-INCHES OR MORE, BUT NO LESS THAN ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS OR OVERFLOWS.
6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS AND GUIDELINES WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S HEIGHT.



CONCRETE WASHOUT AREA

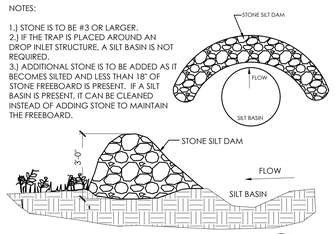
SCALE : N.T.S.

D / SD0.1

PLAN SYMBOL

NOTES:

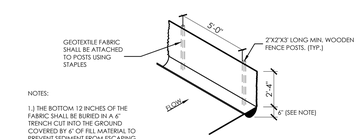
1.) STONE IS TO BE #3 OR LARGER.
2.) IF THE TRAP IS PLACED AROUND AN DROP INLET STRUCTURE, A SILT BASIN IS NOT REQUIRED.
3.) ADDITIONAL STONE IS TO BE ADDED AS IT BECOMES SILTED AND LESS THAN 18" OF STONE FREEBOARD IS PRESENT. IF A SILT BASIN IS PRESENT, IT CAN BE CLEANED INSTEAD OF ADDING STONE TO MAINTAIN THE FREEBOARD.



SILT CHECK DAM

SCALE : N.T.S.

C / SD0.1



NOTES:

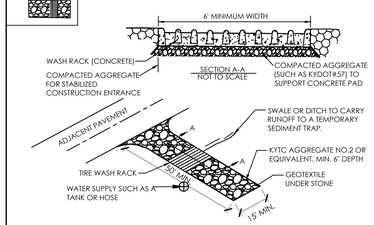
1.) THE BOTTOM 12 INCHES OF THE FABRIC SHALL BE BURIED IN A 6" TRENCH CUT INTO THE GROUND COVERED BY 6" OF FILL MATERIAL TO PREVENT SEDIMENT FROM ESCAPING UNDER THE FENCE. ALL EARTHWORK SHALL BE ON THE UPSTREAM SIDE OF THE FENCE.

SILT FENCE DETAIL

SCALE : N.T.S.

B / SD0.1

PLAN SYMBOL



CONSTRUCTION ENTRANCE

SCALE : N.T.S.

A / SD0.1

LEGEND

- SEDIMENT CONTROL FENCE. ADDITIONAL FENCE MAY BE REQUIRED AT OTHER AREAS DURING CONSTRUCTION. SEE DETAIL B/SD0.1
- LIMITS OF CONSTRUCTION
- SILT CHECK DAM - SEE DETAIL C/SD0.1
- TREE PROTECTION FENCE. INSTALLED PER SPECIFICATIONS

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

SITE EROSION POLLUTION AND SEDIMENT CONTROL PLAN

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

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

BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

SHEET RELEASE

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CONSTRUCTION DOCUMENTS

SD0.1

OVERALL SITE DEVELOPMENT AND LAYOUT PLAN

DATE ISSUED:
05/16/2022

SITE DEMOLITION PLAN

SCALE : 1"=30'

SD0.2

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS, REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
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5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
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SITE DEMOLITION TAGS

0 EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- [a] BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
- [b] PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT, MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
- [c] TREE/VEGETATION TO REMAIN.
- [d] FENCING TO REMAIN.
- [e] WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
- [f] SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
- [g] GAS LINE, VALVE, OR METER TO REMAIN.
- [h] STORM LINE/STRUCUTRE TO REMAIN
- [i] ELECTRIC LINE, POLE, OR METER TO REMAIN.
- [j] COMMUNICATIONS LINE, POLE, OR SERVICE TO REMAIN.
- [k] GEOTHERMAL UTILITY TO REMAIN.
- [l] GRAVEL PAVEMENT TO REMAIN.

1 DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT, STAIR, AND AGGREGATE BASE.

2 DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE. SAWCUT EDGES.

3 EXISTING ASPHALT TO BE MILLED AND OVERLAYED.

4 DEMOLISH AND REMOVE EXISTING CONCRETE CURB/CURB AND GUTTER. SAW CUT TO PROVIDE CLEAN TRANSITION FOR ADJACENT NEW CURB.

5 DEMOLISH AND REMOVE EXISTING SITE WALL AND FOUNDATION.

6 DEMOLISH AND REMOVE EXISTING UTILITY LINE/STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

7 DEMOLISH AND REMOVE EXISTING STORM LINE/STRUCTURE.

8 EXISTING TREE TO BE REMOVED. SEE A/SD0.2 TREE PROTECTION AND REMOVAL PLAN FOR ADDITIONAL INFORMATION.

LEGEND

- CONCRETE PAVEMENT DEMOLITION
- ASPHALT PAVEMENT DEMOLITION
- CONCRETE STAIR DEMOLITION
- GRAVEL PAVEMENT DEMOLITION

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

SITE DEMOLITION PLAN
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SD0.2

SITE DEMOLITION PLAN

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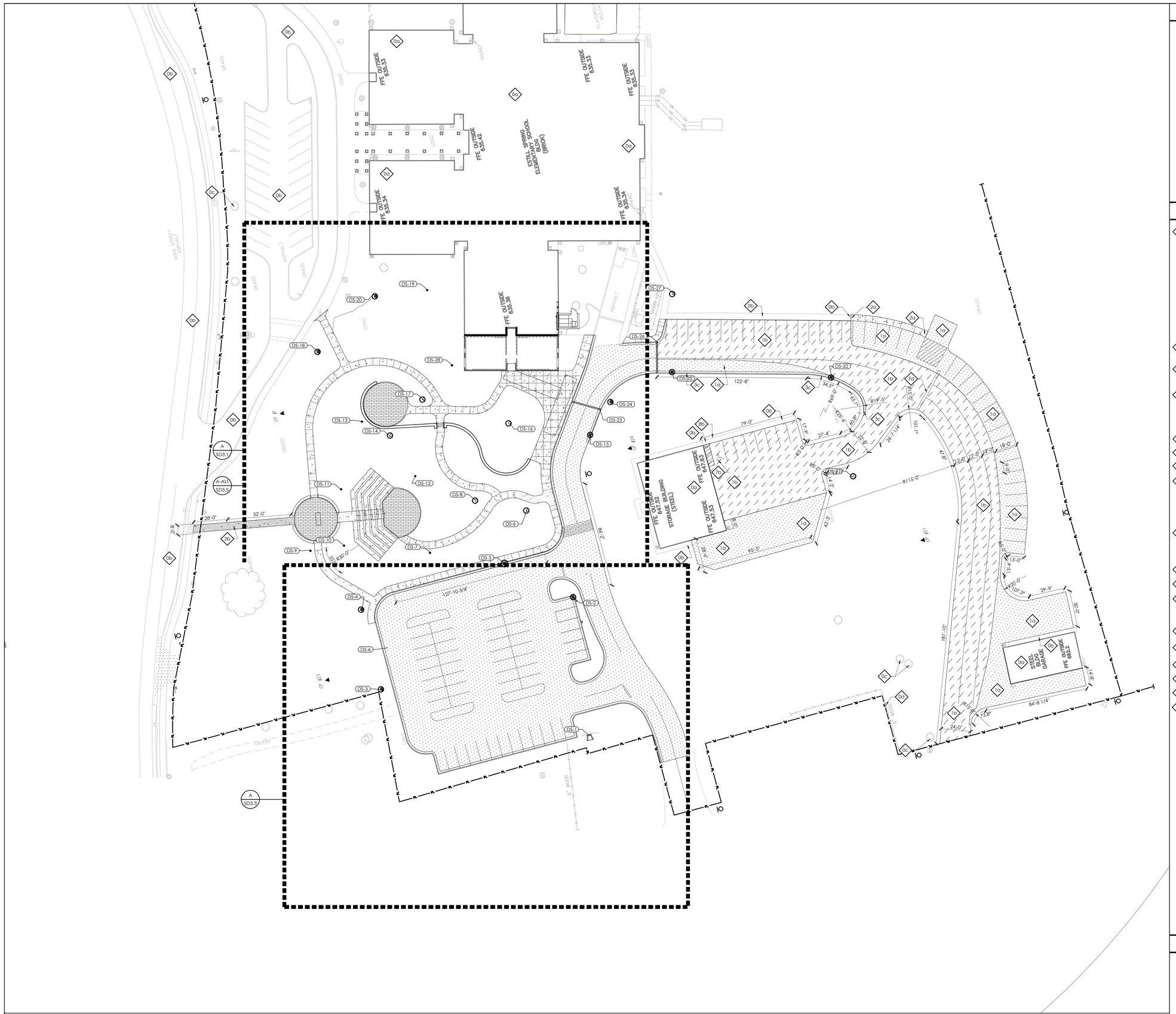

OVERALL SITE DEVELOPMENT AND LAYOUT PLAN

SCALE : 1"=30'

GENERAL SITE NOTES

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SITE DEVELOPMENT TAGS

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- [c] TREE/VEGETATION TO REMAIN.
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- [k] GEOTHERMAL UTILITY TO REMAIN.
- [l] GRAVEL PAVEMENT TO REMAIN.

1 ASPHALT PAVEMENT (321216)
- [a] HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
- [b] ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2

2 CONCRETE PAVEMENT (321313, 321373)
- [a] 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2
- [b] 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2

3 CONCRETE CURB (321313, 321613, 321726)
- [a] 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
- [b] 6" WIDTH FLUSH HEADER CURB. SEE DETAIL E/SD4.2
- [c] CONCRETE CURB AND GUTTER. SEE DETAIL F/SD4.2
- [d] ACCESSIBLE DROPPED CURB TYPE 'A' RAMP. SEE DETAILS G&H/SD4.2
- [e] ACCESSIBLE DROPPED CURB TYPE 'B' RAMP. SEE DETAILS G&I/SD4.2
- [e] ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2

4 PERMABLE CONCRETE PAVERS. (321413.19) SEE DETAIL K/SD4.2

5 CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2

6 5'-0' HIEGHT, 5'-0" WIDTH ORNAMENTAL GATE. SEE DETAIL M/SD4.2

7 PAINTED PAVEMENT MARKINGS. (321723.13)
- [a] 4" PAVING STRIPING, WHITE.
- [b] ACCESSIBLE PARKING STRIPING. SEE DETAIL N/SD4.2
- [c] 4" PAVING STRIPE, BLUE
- [d] PAINTED TRAFFIC STOP BAR, 12"X12', WHITE.
- [e] 4" PAVING STRIPING, YELLOW.
- [f] PAINTED CROSSWALK. SEE DETAIL O/SD4.2
- [g] PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL P/SD4.2

8 TRAFFIC SIGNAGE (SINGLE POST).(101453)SEE DETAIL Q/SD4.2
- [a] STOP SIGN.
- [b] ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2
- [c] "ONE WAY DO NOT ENTER" SIGN. SEE DETAIL
- [d] "VISITOR PARKING ONLY" SIGN. SEE DETAIL
- [e] "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.

9 CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2

10 MASONRY SEAT WALL WITH LIMESTONE CAP. SEE DETAIL G/SD4.3

11 **ALT #1** - SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
- [a] 'PUP TENT' CLIMBER
- [b] 'PICNIC' BOULDER
- [c] 'SPOKANE' TIMBER STACK STRUCTURE
- [d] PICNIC TABLE

12 UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

13 RECONSTRUCTED BUILDING MEMORIAL. SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.

14 GRANULAR RUBBER PLAYGROUND SURFACING. SEE DETAIL H/SD4.3

15 **ALT #2 -** CONCRETE AMPHITHEATER RISERS. SEE DETAIL A & B/SD4.3

16 CONCRETE STAIR SEE DETAIL E & F/SD4.3

17 MASONRY SCREEN WALL. SEE DETAIL I/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

OVERALL SITE DEVELOPMENT AND LAYOUT PLAN
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CONSTRUCTION DOCUMENTS

SD1.0

OVERALL SITE DEVELOPMENT AND LAYOUT PLAN

DATE ISSUED: 05/16/2022

OVERALL SITE GRADING & DRAINAGE PLAN

SCALE : 1"=30'

STRUCTURE SCHEDULE								
STRC. NO.	GRATE ELEV.	INVERT ELEV.	STR. DESC.	GRATE TYPE	FRAME TYPE	DETAIL	NORTHING	EASTING
DS-1	N/A	641.00	HEADWALL	GALV. BAR AND GRATE	N/A	8/SD4.1	3786227.0812	5434729.2382
DS-2	641.25	637.25	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786339.7499	5434742.4074
DS-3	649.00	642.92	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786302.2972	5434571.8528
DS-4	645.50	641.47	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786369.6000	5434571.0175
DS-5	641.55	636.52	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786379.4244	5434693.9491
DS-6	637.50	633.50	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786417.5581	5434721.3074
DS-7	639.80	637.80	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786401.9103	5434636.6309
DS-8	639.92	632.98	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786435.1266	5434682.3976
DS-9	647.50	645.50	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786426.0051	5434541.7531
DS-10	646.25	644.25	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786423.8311	5434569.4824
DS-11	645.50	640.97	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786469.2732	5434577.7787
DS-12	639.50	637.50	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786465.8116	5434639.3576
DS-13	638.50	636.50	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786519.2873	5434607.0693
DS-14	639.00	635.00	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786502.9681	5434626.7527
DS-15	634.50	630.50	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786465.8877	5434786.4570
DS-16	634.80	630.06	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786490.4046	5434723.5483
DS-17	635.70	629.60	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786525.5878	5434659.4273
DS-18	639.50	635.50	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786583.3265	5434584.8061
DS-19	633.00	631.00	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786611.8793	5434683.8084
DS-20	635.50	627.64	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786616.8174	5434640.8721
DS-21	647.50	643.50	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786383.4698	5434988.3028
DS-22	644.75	640.75	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786466.2995	5434989.3063
DS-23	635.00	632.45	CLEANOUT	BRONZE COVER W/ SCREWS	CAST IRON VALVE BOX	C/SD4.1	3786484.3354	5434799.5750
DS-24	634.30	630.30	48" MANHOLE (MIN)	NEENAH R-2560-E1	NEENAH R-2577	A/SD4.1	3786488.2817	5434808.7899
DS-25	636.70	629.64	48" MANHOLE (MIN)	TYPE C	NEENAH R-3246	A/SD4.1	3786500.5675	5434863.5043
DS-26	636.04	634.00	CLEANOUT	BRONZE COVER W/ SCREWS	CAST IRON VALVE BOX	C/SD4.1	3786526.9895	5434857.1124
DS-27	637.33	628.74	48" MANHOLE (MIN)	NEENAH R-2577 TYPE C	NEENAH R-1733	A/SD4.1	3786562.7610	5434878.3626
DS-28	634.50	629.88	DRAIN BASIN	18" ADS INLINE DRAIN (OR SIMILAR)	N/A	C/SD4.1	3786547.2640	5434689.3587

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS, REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

SITE GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ACTUAL DEPTHS OF ALL EXISTING STORM DRAINS, GAS MAINS, WATER MAINS, AND PIPES TO ALL NEW CONNECTIONS AND CROSSINGS. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO AREAS WHERE CONSTRUCTION OR GRADING MAY INTERFERE WITH SUCH LINES.
2. ANY DISCREPANCIES BETWEEN THIS GRADING PLAN AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION OF ANY SORT. FAILURE TO NOTIFY THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION SHALL IMPLY THE CONTRACTOR'S VERIFICATION OF AND ACCEPTANCE OF EXISTING SITE CONDITIONS. SAID FAILURE TO NOTIFY THE ARCHITECT IN WRITING SHALL IDENTIFY AND HOLD HARMLESS THE OWNER FROM ANY ADDITIONAL COSTS INCURRED BY THE CONTRACTOR DUE TO DISCREPANCIES NOT REPORTED WHICH COULD HAVE BEEN DETECTED BY PRUDENT AND REASONABLE OBSERVATION AND VERIFICATION BY THE CONTRACTOR.
3. REFER TO SPECIFICATION NUMBER 312316 FOR ALL TRENCHING AND ROCK REMOVAL INFORMATION.
4. ALL IMPERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF ONE PERCENT (1%) AND A MAXIMUM SLOPE OF SEVEN PERCENT (7%)
5. ALL PERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF TWO PERCENT (2 %) AND A MAXIMUM SLOPE OF THIRTY-THREE PERCENT (33%) EXCEPT WHERE SHOWN.
6. SLOPE PERVIOUS SURFACES MIN. 5 % AND IMPERVIOUS SURFACES MIN. 1% AWAY FROM BUILDING FOUNDATIONS.
7. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO POND IN CONSTRUCTION AREAS.
8. RELOCATE ALL BURIED UTILITIES THAT ARE IMPACTED BY ANY EARTHWORK. RELOCATED UTILITY LOCATIONS ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO STARTING WORK.
9. PROTECT AREAS TO BE SEEDED AS FOLLOWS:
   A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.
   B) SLOPES 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
10. ANY AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDED AND MULCHED PER THE SPECIFICATIONS.
11. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF THEIR STANDARD PROCTOR MAXIMUM DRY DENSITY AT PLUS OR MINUS TWO (2) PERCENT OF OPTIMUM MOISTURE CONTENT:
   A) UNDER FLOOR SLABS AND FOUNDATIONS ON STRUCTURAL FILL - 97%
   B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 97%
   C) PAVED AREAS AND WALKS - 95%
   D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
12. ALL TREES THAT ARE IDENTIFIED BY THE ARCHITECT TO REMAIN, EITHER ON THE DRAWING OR IN THE FIELD, ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL TREES LOCATED OUTSIDE OF AREAS IDENTIFIED TO BE RE-GRADED ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS.
13. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DEBRIS AND SEDIMENT ARE REMOVED DAILY FROM SITE DRIVEWAYS, PARKING AREAS, WALKWAYS AND SURROUNDING ROADWAYS AND WALKWAYS.
14. EXCESS SATISFACTORY SOILS ARE TO BE DISPOSED OF ON-SITE IN A LOCATION IDENTIFIED BY THE OWNER. THESE SOILS ARE TO BE SPREAD AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
15. THE NEW PARKING, ROADS AND ROAD BASE ARE NOT DESIGNED TO ACCOMMODATE CONSTRUCTION TRAFFIC AND SHOULD NOT BE USED FOR SUCH UNLESS STABILIZED USING #2 CRUSHED STONE AND/OR GEO-GRID IN ADDITION TO THE PAVEMENT DESIGN SECTION SHOWN. IF THE CONTRACTOR WISHES TO USE THE NEW ROAD ALIGNMENTS DURING CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO STABILIZE THE ROAD ALIGNMENT SUBGRADES AND PREVENT THEM FROM BEING DAMAGED DURING CONSTRUCTION.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING.

SITE STORM DRAINAGE NOTES

1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE REINFORCED CONCRETE. ALL PE PIPE SHALL BE DUAL WALL POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALL OR EQUIVALENT AS APPROVED IN THE SPECIFICATIONS. ALL STORM PIPING SHALL BE INSTALLED AT A CONSTANT, POSITIVE SLOPE FROM INLET CONNECTION TO DISCHARGED CONNECTION. PIPE SLOPE IS TO BE 0.5% MINIMUM.
2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.
3. EROSION CONTROL BLANKETS ARE TO BE INSTALLED AS INDICATED IN THE SPECIFICATIONS.
4. ALL STORM STRUCTURES ARE TO BE DESIGNED FOR H-20 LOADING.
5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H-20 LOADING.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.
7. ALL ROOF DRAINS AND DOWNSPOUTS, INCLUDING CANOPY DOWNSPOUTS, ARE TO BE PIPED UNDERGROUND AND CONNECTED TO STORM WATER STRUCTURES. DOWNSPOUT BOOT AND DOWNSPOUT SIZES ARE TO BE COORDINATED WITH THE MANUFACTURERS AND INSTALLERS OF EACH ITEM. CLEANOUTS ARE TO BE LOCATED AT EACH CHANGE IN DIRECTION OF THE PIPING. ENSURE CLEANOUTS ARE DESIGNED FOR AUTOMOBILE TRAFFIC, AND ARE FLUSH WITH THE SURROUNDING SURFACES.
8. THE LOCATIONS SHOWN FOR THE NEW STORM SEWER PIPING AND STRUCTURES ARE APPROXIMATE. ACTUAL LOCATIONS CAN BE ADJUSTED WITH ARCHITECTS WRITTEN APPROVAL IN ORDER TO AVOID UNFORESEEN CONDITIONS OR OTHER CONSTRUCTION CONFLICTS. CONTRACTOR IS TO COORDINATE STORM SEWER INSTALLATION WITH ALL OTHER TRADES AND WORK.

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION
TW - TOP OF WALL AT FINISH GRADE
BW - BOTTOM OF WALL AT FINISH GRADE
TR - TOP OF RISER
BR - BOTTOM OF RISER

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

SITE GRADING & DRAINAGE PLAN
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1

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

BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

SHEET RELEASE

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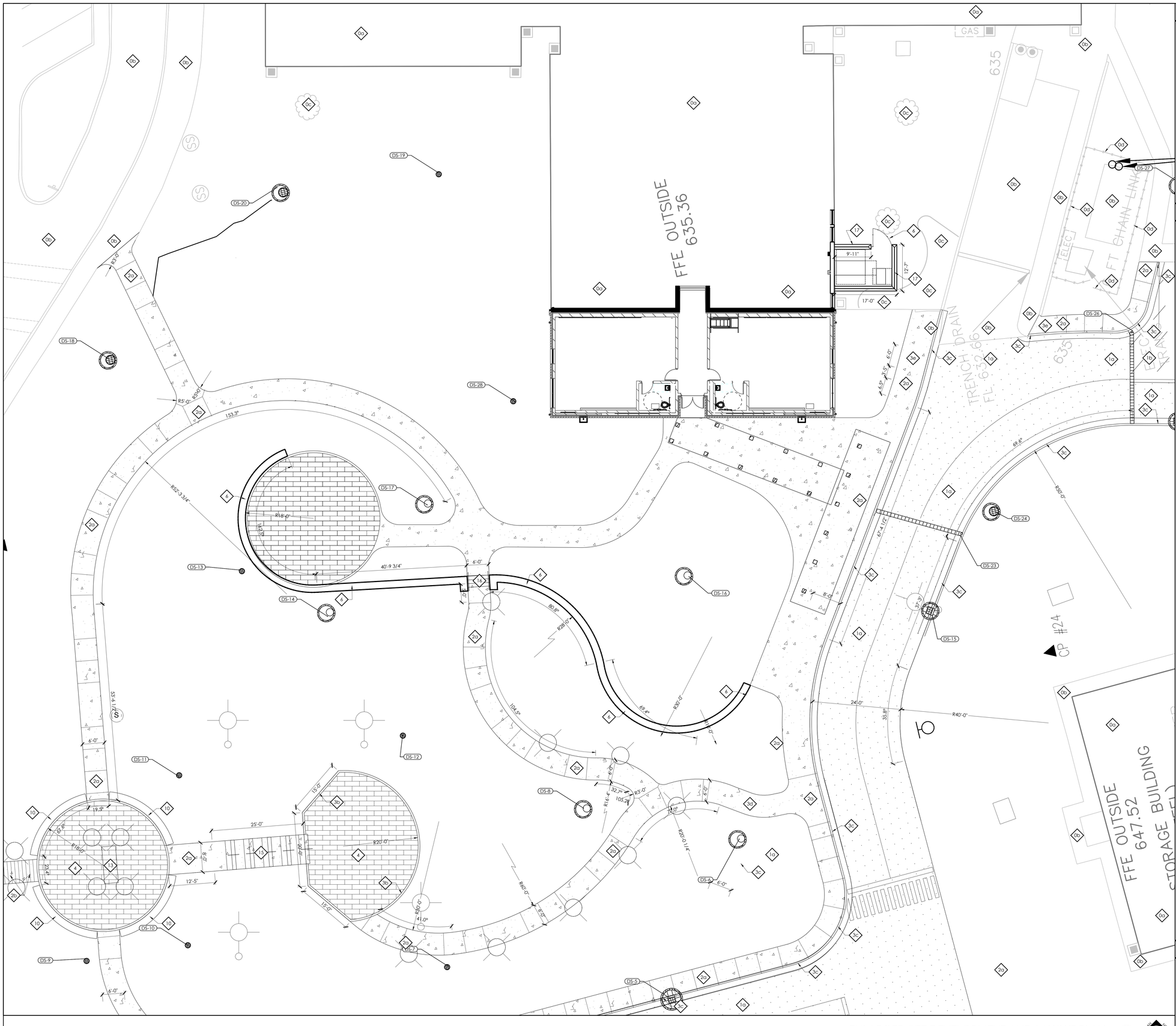
CONSTRUCTION DOCUMENTS

SD2.0

SITE GRADING & DRAINAGE PLAN

DATE ISSUED:
05/16/2022



ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN

SCALE: 1"=10'

A SD3.1

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

SITE DEVELOPMENT TAGS

0. EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
   - [a] BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
   - [b] PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
   - [c] TREE/VEGETATION TO REMAIN.
   - [d] FENCING TO REMAIN.
   - [e] WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
   - [f] SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
   - [g] GAS LINE, VALVE, OR METER TO REMAIN.
   - [h] STORM LINE/STRUCUTRE TO REMAIN
   - [i] ELECTRIC LINE, POLE, OR METER TO REMAIN.
   - [j] COMMUNICATIONS LINE, POLE, OR SERVICE TO REMAIN.
   - [k] GEOTHERMAL UTILITY TO REMAIN.
   - [l] GRAVEL PAVEMENT TO REMAIN.
1. ASPHALT PAVEMENT (321216)
   - [a] HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
   - [b] ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2
2. CONCRETE PAVEMENT (321313, 321373)
   - [a] 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2
   - [b] 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2
3. CONCRETE CURB (321313, 321613, 321726)
   - [a] 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
   - [b] 6" WIDTH FLUSH HEADER CURB. SEE DETAIL E/SD4.2
   - [c] CONCRETE CURB AND GUTTER. SEE DETAIL F/SD4.2
   - [d] ACCESSIBLE DROPPED CURB TYPE 'A' RAMP. SEE DETAILS G&H/SD4.2
   - [e] ACCESSIBLE DROPPED CURB TYPE 'B' RAMP. SEE DETAILS G&I/SD4.2
   - [e] ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2
4. PERMABLE CONCRETE PAVERS. (321413.19) SEE DETAIL K/SD4.2
5. CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2
6. 5'-0" HIEGHT, 5'-0" WIDTH ORNAMENTAL GATE. SEE DETAIL M/SD4.2
7. PAINTED PAVEMENT MARKINGS. (321723.13)
   - [a] 4" PAVING STRIPING, WHITE.
   - [b] ACCESSIBLE PARKING STRIPING, SEE DETAIL N/SD4.2
   - [c] 4" PAVING STRIPE, BLUE
   - [d] PAINTED TRAFFIC STOP BAR, 12"X12', WHITE.
   - [e] 4" PAVING STRIPING, YELLOW.
   - [f] PAINTED CROSSWALK. SEE DETAIL O/SD4.2
   - [g] PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL P/SD4.2
8. TRAFFIC SIGNAGE (SINGLE POST).(101453)SEE DETAIL Q/SD4.2
   - [a] STOP SIGN.
   - [b] ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2
   - [c] "ONE WAY DO NOT ENTER" SIGN. SEE DETAIL
   - [d] "VISITOR PARKING ONLY" SIGN. SEE DETAIL
   - [e] "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.
9. CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2
10. MASONRY SEAT WALL WITH LIMESTONE CAP. SEE DETAIL G/SD4.3
11. **ALT #1** - SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
    - [a] 'PUP TENT' CLIMBER
    - [b] 'PICNIC' BOULDER
    - [c] 'SPOKANE' TIMBER STACK STRUCTURE
    - [d] PICNIC TABLE
12. UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
13. RECONSTRUCTED BUILDING MEMORIAL, SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.
14. GRANULAR RUBBER PLAYGROUND SURFACING. SEE DETAIL H/SD4.3
15. **ALT #2 -** CONCRETE AMPHITHEATER RISERS. SEE DETAIL A & B/SD4.3
16. CONCRETE STAIR SEE DETAIL E & F/SD4.3
17. MASONRY SCREEN WALL. SEE DETAIL I/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

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ENLARGED SITE PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

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

BG# 22-207

Project No:	2148
Drawn By:	JKB/ELM
Rev'd By:	MBM

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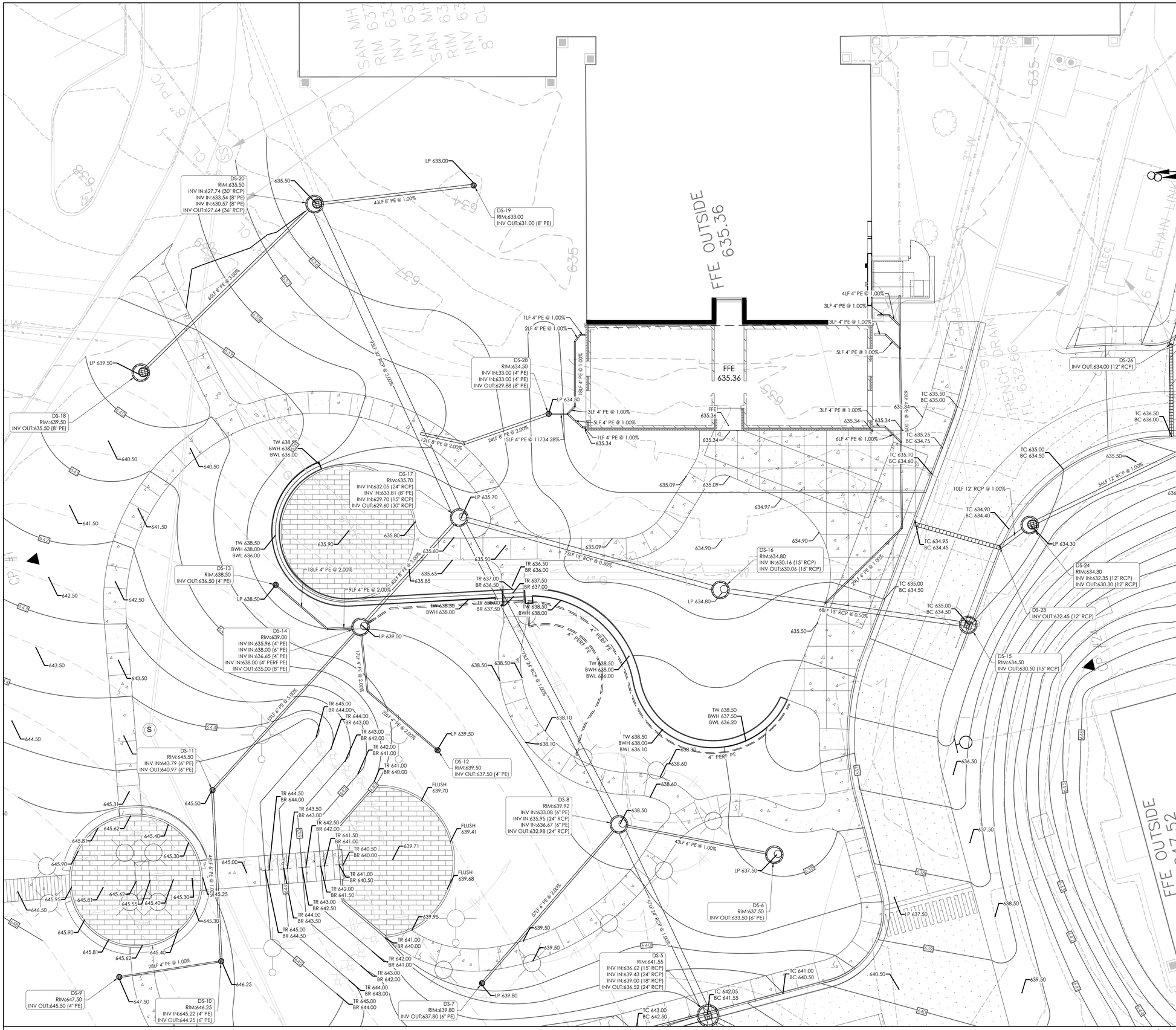
CONSTRUCTION DOCUMENTS

SD3.1

ENLARGED SITE PLANS

DATE ISSUED:
05/16/2022



ENLARGED SITE GRADING & DRAINAGE PLAN

SCALE : 1"=10'

A SD3.2

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
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SITE GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ACTUAL DEPTHS OF ALL EXISTING STORM DRAINS, GAS MAINS, WATER MAINS, AND PIPES TO ALL NEW CONNECTIONS AND CROSSINGS. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO AREAS WHERE CONSTRUCTION OR GRADING MAY INTERFERE WITH SUCH LINES.
2. ANY DISCREPANCIES BETWEEN THIS GRADING PLAN AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION OF ANY SORT. FAILURE TO NOTIFY THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION SHALL IMPLY THE CONTRACTOR'S VERIFICATION OF AND ACCEPTANCE OF EXISTING SITE CONDITIONS. SAID FAILURE TO NOTIFY THE ARCHITECT IN WRITING SHALL IDENTIFY AND HOLD HARMLESS THE OWNER FROM ANY ADDITIONAL COSTS INCURRED BY THE CONTRACTOR DUE TO DISCREPANCIES NOT REPORTED WHICH COULD HAVE BEEN DETECTED BY PRUDENT AND REASONABLE OBSERVATION AND VERIFICATION BY THE CONTRACTOR.
3. REFER TO SPECIFICATION NUMBER 312316 FOR ALL TRENCHING AND ROCK REMOVAL INFORMATION.
4. ALL IMPERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF ONE PERCENT (1%) AND A MAXIMUM SLOPE OF SEVEN PERCENT (7%)
5. ALL PERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF TWO PERCENT (2 %) AND A MAXIMUM SLOPE OF THIRTY-THREE PERCENT (33%) EXCEPT WHERE SHOWN.
6. SLOPE PERVIOUS SURFACES MIN. 5 % AND IMPERVIOUS SURFACES MIN. 1% AWAY FROM BUILDING FOUNDATIONS.
7. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO POND IN CONSTRUCTION AREAS.
8. RELOCATE ALL BURIED UTILITIES THAT ARE IMPACTED BY ANY EARTHWORK. RELOCATED UTILITY LOCATIONS ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO STARTING WORK.
9. PROTECT AREAS TO BE SEEDED AS FOLLOWS:
   A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.
   B) SLOPES 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
10. ANY AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDED AND MULCHED PER THE SPECIFICATIONS.
11. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF THEIR STANDARD PROCTOR MAXIMUM DRY DENSITY AT PLUS OR MINUS TWO (2) PERCENT OF OPTIMUM MOISTURE CONTENT:
    A) UNDER FLOOR SLABS AND FOUNDATIONS ON STRUCTURAL FILL - 97%
    B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 97%
    C) PAVED AREAS AND WALKS - 95%
    D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
12. ALL TREES THAT ARE IDENTIFIED BY THE ARCHITECT TO REMAIN, EITHER ON THE DRAWING OR IN THE FIELD, ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL TREES LOCATED OUTSIDE OF AREAS IDENTIFIED TO BE RE-GRADED ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS.
13. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DEBRIS AND SEDIMENT ARE REMOVED DAILY FROM SITE DRIVEWAYS, PARKING AREAS, WALKWAYS AND SURROUNDING ROADWAYS AND WALKWAYS.
14. EXCESS SATISFACTORY SOILS ARE TO BE DISPOSED OF ON-SITE IN A LOCATION IDENTIFIED BY THE OWNER. THESE SOILS ARE TO BE SPREAD AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
15. THE NEW PARKING, ROADS AND ROAD BASE ARE NOT DESIGNED TO ACCOMMODATE CONSTRUCTION TRAFFIC AND SHOULD NOT BE USED FOR SUCH UNLESS STABILIZED USING #2 CRUSHED STONE AND/OR GEO-GRID IN ADDITION TO THE PAVEMENT DESIGN SECTION SHOWN. IF THE CONTRACTOR WISHES TO USE THE NEW ROAD ALIGNMENTS DURING CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO STABILIZE THE ROAD ALIGNMENT SUBGRADES AND PREVENT THEM FROM BEING DAMAGED DURING CONSTRUCTION.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING.

SITE STORM DRAINAGE NOTES

1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE REINFORCED CONCRETE. ALL PE PIPE SHALL BE DUAL WALL POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALL, OR EQUIVALENT AS APPROVED IN THE SPECIFICATIONS. ALL STORM PIPING SHALL BE INSTALLED AT A CONSTANT, POSITIVE SLOPE FROM INLET CONNECTION TO DISCHARGED CONNECTION. PIPE SLOPE IS TO BE 0.5% MINIMUM.
2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.
3. EROSION CONTROL BLANKETS ARE TO BE INSTALLED AS INDICATED IN THE SPECIFICATIONS.
4. ALL STORM STRUCTURES ARE TO BE DESIGNED FOR H-20 LOADING.
5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H-20 LOADING.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.
7. ALL ROOF DRAINS AND DOWNSPOUTS, INCLUDING CANOPY DOWNSPOUTS, ARE TO BE PIPED UNDERGROUND AND CONNECTED TO STORM WATER STRUCTURES. DOWNSPOUT ROOT AND DOWNSPOUT SIZES ARE TO BE COORDINATED WITH THE MANUFACTURERS AND INSTALLERS OF EACH ITEM. CLEANOUTS ARE TO BE LOCATED AT EACH CHANGE IN DIRECTION OF THE PIPING. ENSURE CLEANOUTS ARE DESIGNED FOR AUTOMOBILE TRAFFIC, AND ARE FLUSH WITH THE SURROUNDING SURFACES.
8. THE LOCATIONS SHOWN FOR THE NEW STORM SEWER PIPING AND STRUCTURES ARE APPROXIMATE. ACTUAL LOCATIONS CAN BE ADJUSTED WITH ARCHITECTS WRITTEN APPROVAL IN ORDER TO AVOID UNFORESEEN CONDITIONS OR OTHER CONSTRUCTION CONFLICTS. CONTRACTOR IS TO COORDINATE STORM SEWER INSTALLATION WITH ALL OTHER TRADES AND WORK.

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION
TW - TOP OF WALL AT FINISH GRADE
BW - BOTTOM OF WALL AT FINISH GRADE
TR - TOP OF RISER
BR - BOTTOM OF RISER

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

ENLARGED SITE PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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3264 Lochness Dr.
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Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
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BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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ENLARGED SITE PLANS

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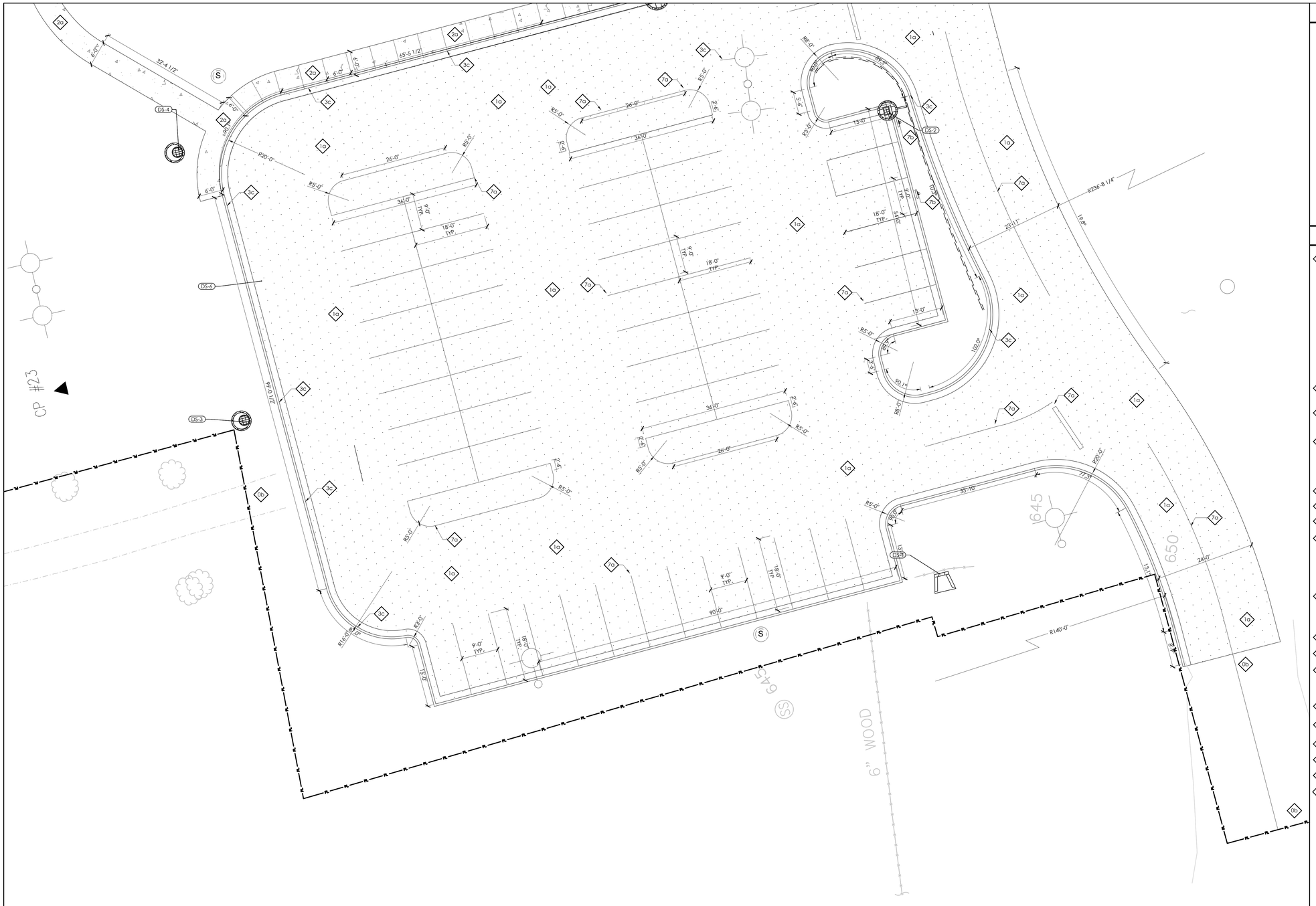

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

SITE DEVELOPMENT TAGS

0. EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
   - [a] BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
   - [b] PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
   - [c] TREE/VEGETATION TO REMAIN.
   - [d] FENCING TO REMAIN.
   - [e] WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
   - [f] SANITARY LINE, MANHOLE, OR CLEAN OUT TO REMAIN.
   - [g] GAS LINE, VALVE, OR METER TO REMAIN.
   - [h] STORM LINE/STRUCUTRE TO REMAIN
   - [i] ELECTRIC LINE, POLE, OR METER TO REMAIN.
   - [j] COMMUNICATIONS LINE, POLE, OR SERVICE TO REMAIN.
   - [k] GEOTHERMAL UTILITY TO REMAIN.
   - [l] GRAVEL PAVEMENT TO REMAIN.
1. ASPHALT PAVEMENT (321216)
   - [a] HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
   - [b] ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2
2. CONCRETE PAVEMENT (321313, 321373)
   - [a] 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2
   - [b] 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2
3. CONCRETE CURB (321313, 321613, 321726)
   - [a] 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
   - [b] 6" WIDTH FLUSH HEADER CURB. SEE DETAIL E/SD4.2
   - [c] CONCRETE CURB AND GUTTER. SEE DETAIL F/SD4.2
   - [d] ACCESSIBLE DROPPED CURB TYPE 'A' RAMP. SEE DETAILS G&H/SD4.2
   - [e] ACCESSIBLE DROPPED CURB TYPE 'B' RAMP. SEE DETAILS G&I/SD4.2
   - [e] ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2
4. PERMABLE CONCRETE PAVERS. (321413.19) SEE DETAIL K/SD4.2
5. CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2
6. 5'-0" HIEGHT, 5'-0" WIDTH ORNAMENTAL GATE. SEE DETAIL M/SD4.2
7. PAINTED PAVEMENT MARKINGS. (321723.13)
   - [a] 4" PAVING STRIPING, WHITE.
   - [b] ACCESSIBLE PARKING STRIPING, SEE DETAIL N/SD4.2
   - [c] 4" PAVING STRIPE, BLUE
   - [d] PAINTED TRAFFIC STOP BAR, 12"X12', WHITE.
   - [e] 4" PAVING STRIPING, YELLOW.
   - [f] PAINTED CROSSWALK. SEE DETAIL O/SD4.2
   - [g] PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL P/SD4.2
8. TRAFFIC SIGNAGE [SINGLE POST].(101453)SEE DETAIL Q/SD4.2
   - [a] STOP SIGN.
   - [b] ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2
   - [c] "ONE WAY DO NOT ENTER" SIGN. SEE DETAIL
   - [d] "VISITOR PARKING ONLY" SIGN. SEE DETAIL
   - [e] "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.
9. CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2
10. MASONRY SEAT WALL WITH LIMESTONE CAP. SEE DETAIL G/SD4.3
11. **ALT #1** - SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
    - [a] 'PUP TENT' CLIMBER
    - [b] 'PICNIC' BOULDER
    - [c] 'SPOKANE' TIMBER STACK STRUCTURE
    - [d] PICNIC TABLE
12. UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
13. RECONSTRUCTED BUILDING MEMORIAL. SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.
14. GRANULAR RUBBER PLAYGROUND SURFACING. SEE DETAIL H/SD4.3
15. **ALT #2 -** CONCRETE AMPHITHEATER RISERS. SEE DETAIL A & B/SD4.3
16. CONCRETE STAIR SEE DETAIL E & F/SD4.3
17. MASONRY SCREEN WALL. SEE DETAIL I/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN

SCALE : 1"=10'

A SD3.3

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

ENLARGED SITE PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
FOR:
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BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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ENLARGED SITE PLANS

DATE ISSUED:
05/16/2022

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS, REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

SITE GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ACTUAL DEPTHS OF ALL EXISTING STORM DRAINS, GAS MAINS, WATER MAINS, AND PIPES TO ALL NEW CONNECTIONS AND CROSSINGS. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO AREAS WHERE CONSTRUCTION OR GRADING MAY INTERFERE WITH SUCH LINES.
2. ANY DISCREPANCIES BETWEEN THIS GRADING PLAN AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION OF ANY SORT. FAILURE TO NOTIFY THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION SHALL IMPLY THE CONTRACTOR'S VERIFICATION OF AND ACCEPTANCE OF EXISTING SITE CONDITIONS. SAID FAILURE TO NOTIFY THE ARCHITECT IN WRITING SHALL IDENTIFY AND HOLD HARMLESS THE OWNER FROM ANY ADDITIONAL COSTS INCURRED BY THE CONTRACTOR DUE TO DISCREPANCIES NOT REPORTED WHICH COULD HAVE BEEN DETECTED BY PRUDENT AND REASONABLE OBSERVATION AND VERIFICATION BY THE CONTRACTOR.
3. REFER TO SPECIFICATION NUMBER 312316 FOR ALL TRENCHING AND ROCK REMOVAL INFORMATION.
4. ALL IMPERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF ONE PERCENT (1%) AND A MAXIMUM SLOPE OF SEVEN PERCENT (7%)
5. ALL PERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF TWO PERCENT (2 %) AND A MAXIMUM SLOPE OF THIRTY-THREE PERCENT (33%) EXCEPT WHERE SHOWN.
6. SLOPE PERVIOUS SURFACES MIN. 5 % AND IMPERVIOUS SURFACES MIN. 1% AWAY FROM BUILDING FOUNDATIONS.
7. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO POND IN CONSTRUCTION AREAS.
8. RELOCATE ALL BURIED UTILITIES THAT ARE IMPACTED BY ANY EARTHWORK. RELOCATED UTILITY LOCATIONS ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO STARTING WORK.
9. PROTECT AREAS TO BE SEEDED AS FOLLOWS:
   A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.
   B) SLOPES 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
10. ANY AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDED AND MULCHED PER THE SPECIFICATIONS.
11. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF THEIR STANDARD PROCTOR MAXIMUM DRY DENSITY AT PLUS OR MINUS TWO (2) PERCENT OF OPTIMUM MOISTURE CONTENT:
    A) UNDER FLOOR SLABS AND FOUNDATIONS ON STRUCTURAL FILL - 97%
    B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 97%
    C) PAVED AREAS AND WALKS - 95%
    D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
12. ALL TREES THAT ARE IDENTIFIED BY THE ARCHITECT TO REMAIN, EITHER ON THE DRAWING OR IN THE FIELD, ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL TREES LOCATED OUTSIDE OF AREAS IDENTIFIED TO BE RE-GRADED ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS.
13. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DEBRIS AND SEDIMENT ARE REMOVED DAILY FROM SITE DRIVEWAYS, PARKING AREAS, WALKWAYS AND SURROUNDING ROADWAYS AND WALKWAYS.
14. EXCESS SATISFACTORY SOILS ARE TO BE DISPOSED OF ON-SITE IN A LOCATION IDENTIFIED BY THE OWNER. THESE SOILS ARE TO BE SPREAD AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
15. THE NEW PARKING, ROADS AND ROAD BASE ARE NOT DESIGNED TO ACCOMMODATE CONSTRUCTION TRAFFIC AND SHOULD NOT BE USED FOR SUCH UNLESS STABILIZED USING #2 CRUSHED STONE AND/OR GEO-GRID IN ADDITION TO THE PAVEMENT DESIGN SECTION SHOWN. IF THE CONTRACTOR WISHES TO USE THE NEW ROAD ALIGNMENTS DURING CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO STABILIZE THE ROAD ALIGNMENT SUBGRADES AND PREVENT THEM FROM BEING DAMAGED DURING CONSTRUCTION.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING.

SITE STORM DRAINAGE NOTES

1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE REINFORCED CONCRETE. ALL PE PIPE SHALL BE DUAL WALL POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALL, OR EQUIVALENT AS APPROVED IN THE SPECIFICATIONS. ALL STORM PIPING SHALL BE INSTALLED AT A CONSTANT, POSITIVE SLOPE FROM INLET CONNECTION TO DISCHARGED CONNECTION. PIPE SLOPE IS TO BE 0.5% MINIMUM.
2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.
3. EROSION CONTROL BLANKETS ARE TO BE INSTALLED AS INDICATED IN THE SPECIFICATIONS.
4. ALL STORM STRUCTURES ARE TO BE DESIGNED FOR H-20 LOADING.
5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H-20 LOADING.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.
7. ALL ROOF DRAINS AND DOWNSPOUTS, INCLUDING CANOPY DOWNSPOUTS, ARE TO BE PIPED UNDERGROUND AND CONNECTED TO STORM WATER STRUCTURES. DOWNSPOUT BOOT AND DOWNSPOUT SIZES ARE TO BE COORDINATED WITH THE MANUFACTURERS AND INSTALLERS OF EACH ITEM. CLEANOUTS ARE TO BE LOCATED AT EACH CHANGE IN DIRECTION OF THE PIPING. ENSURE CLEANOUTS ARE DESIGNED FOR AUTOMOBILE TRAFFIC, AND ARE FLUSH WITH THE SURROUNDING SURFACES.
8. THE LOCATIONS SHOWN FOR THE NEW STORM SEWER PIPING AND STRUCTURES ARE APPROXIMATE. ACTUAL LOCATIONS CAN BE ADJUSTED WITH ARCHITECTS WRITTEN APPROVAL IN ORDER TO AVOID UNFORESEEN CONDITIONS OR OTHER CONSTRUCTION CONFLICTS. CONTRACTOR IS TO COORDINATE STORM SEWER INSTALLATION WITH ALL OTHER TRADES AND WORK.

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION
TW - TOP OF WALL AT FINISH GRADE
BW - BOTTOM OF WALL AT FINISH GRADE
TR - TOP OF RISER
BR - BOTTOM OF RISER

ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN
SCALE : 1"=10'
A SD3.1

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

ENLARGED SITE PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
FOR:
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ENLARGED SITE PLANS

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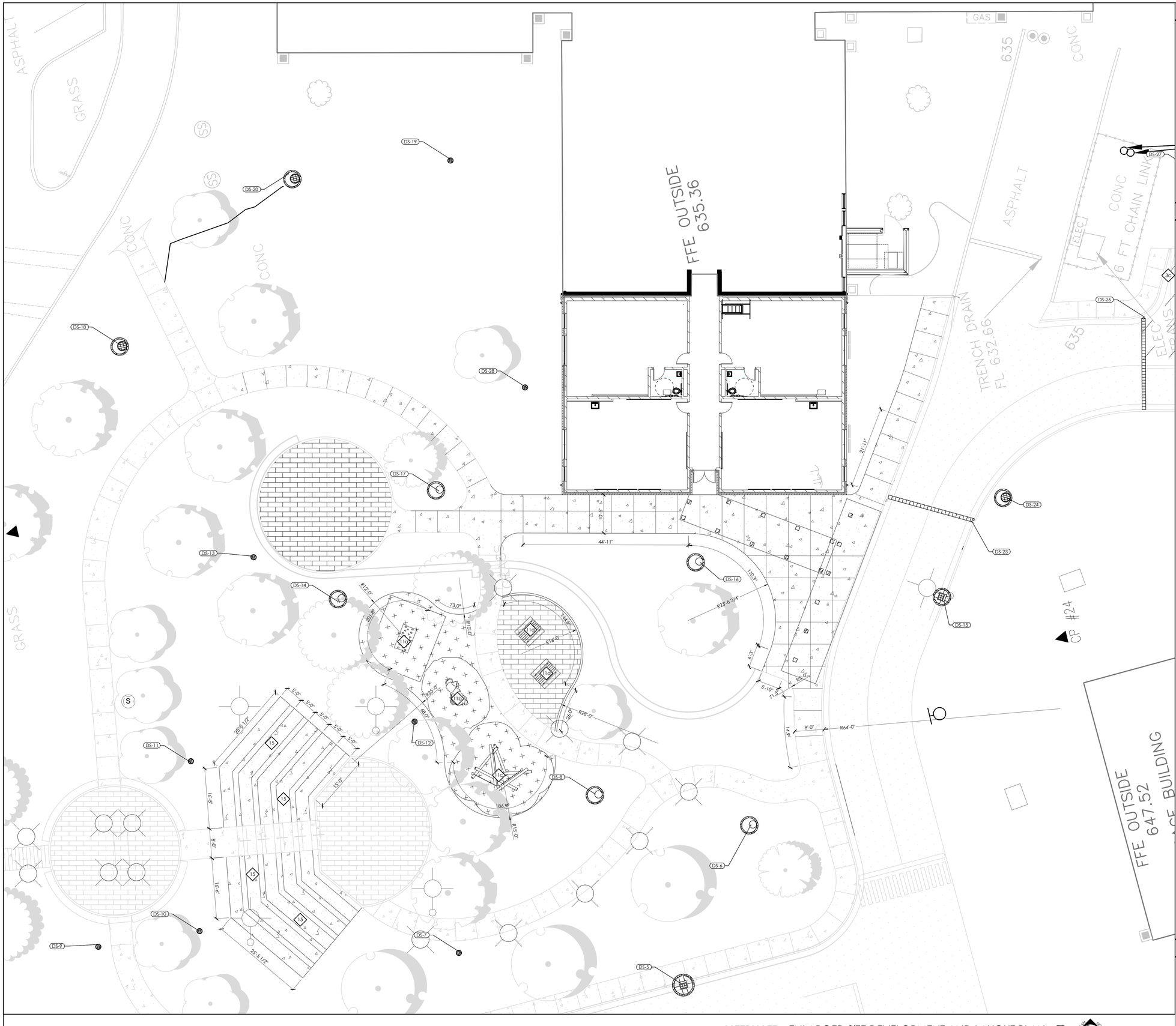

ALTERNATE - ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN (A / SD3.5)

SCALE : 1"=10'

GENERAL SITE NOTES

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2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
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4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
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SITE DEVELOPMENT TAGS

0. EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
   - [a] BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
   - [b] PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
   - [c] TREE/VEGETATION TO REMAIN.
   - [d] FENCING TO REMAIN.
   - [e] WATER LINE, HYDRANT, VALVE, OR METER TO REMAIN.
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   - [a] HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2
   - [b] ASPHALT PAVEMENT MILL & OVERLAY. SEE DETAIL A/SD4.2
2. CONCRETE PAVEMENT (321313, 321373)
   - [a] 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2
   - [b] 4" CONCRETE PAVEMENT WITH PRECAST PAVER WITH INLAY. SEE DETAIL C/SD4.2
3. CONCRETE CURB (321313, 321613, 321726)
   - [a] 6" WIDTH, 6" HEIGHT HEADER CURB. SEE DETAIL D/SD4.2
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   - [e] ACCESSIBLE DROPPED CURB TYPE 'C' RAMP. SEE DETAILS G&J/SD4.2
4. PERMABLE CONCRETE PAVERS. (321413.19) SEE DETAIL K/SD4.2
5. CONCRETE RETAINING WALL. SEE DETAIL L/SD4.2
6. 5'-0" HIEGHT, 5'-0" WIDTH ORNAMENTAL GATE. SEE DETAIL M/SD4.2
7. PAINTED PAVEMENT MARKINGS. (321723.13)
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   - [c] 4" PAVING STRIPE, BLUE
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   - [e] "STUDENT DROP OFF" WITH DIRECTIONAL ARROW.
9. CONCRETE WHEEL STOP. (321713) SEE DETAIL S/SD4.2
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11. **ALT #1** - SITE FURNISHINGS AND PLAYGROUND EQUIPMENT(129363 & 116813)
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    - [b] 'PICNIC' BOULDER
    - [c] 'SPOKANE' TIMBER STACK STRUCTURE
    - [d] PICNIC TABLE
12. UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
13. RECONSTRUCTED BUILDING MEMORIAL, SEE ARCHITECTURAL SHEET FOR MORE INFORMATION.
14. GRANULAR RUBBER PLAYGROUND SURFACING. SEE DETAIL H/SD4.3
15. **ALT #2 -** CONCRETE AMPHITHEATER RISERS. SEE DETAIL A & B/SD4.3
16. CONCRETE STAIR SEE DETAIL E & F/SD4.3
17. MASONRY SCREEN WALL. SEE DETAIL I/SD4.3

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVERLAY
- HEAVY DUTY ASPHALT PAVEMENT
- GRANULAR RUBBER SURFACING

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

ENLARGED SITE PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
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Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
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BG# 22-207

Project No:	2148
Drawn By:	JKB/ELM
Rev'd By:	MBM

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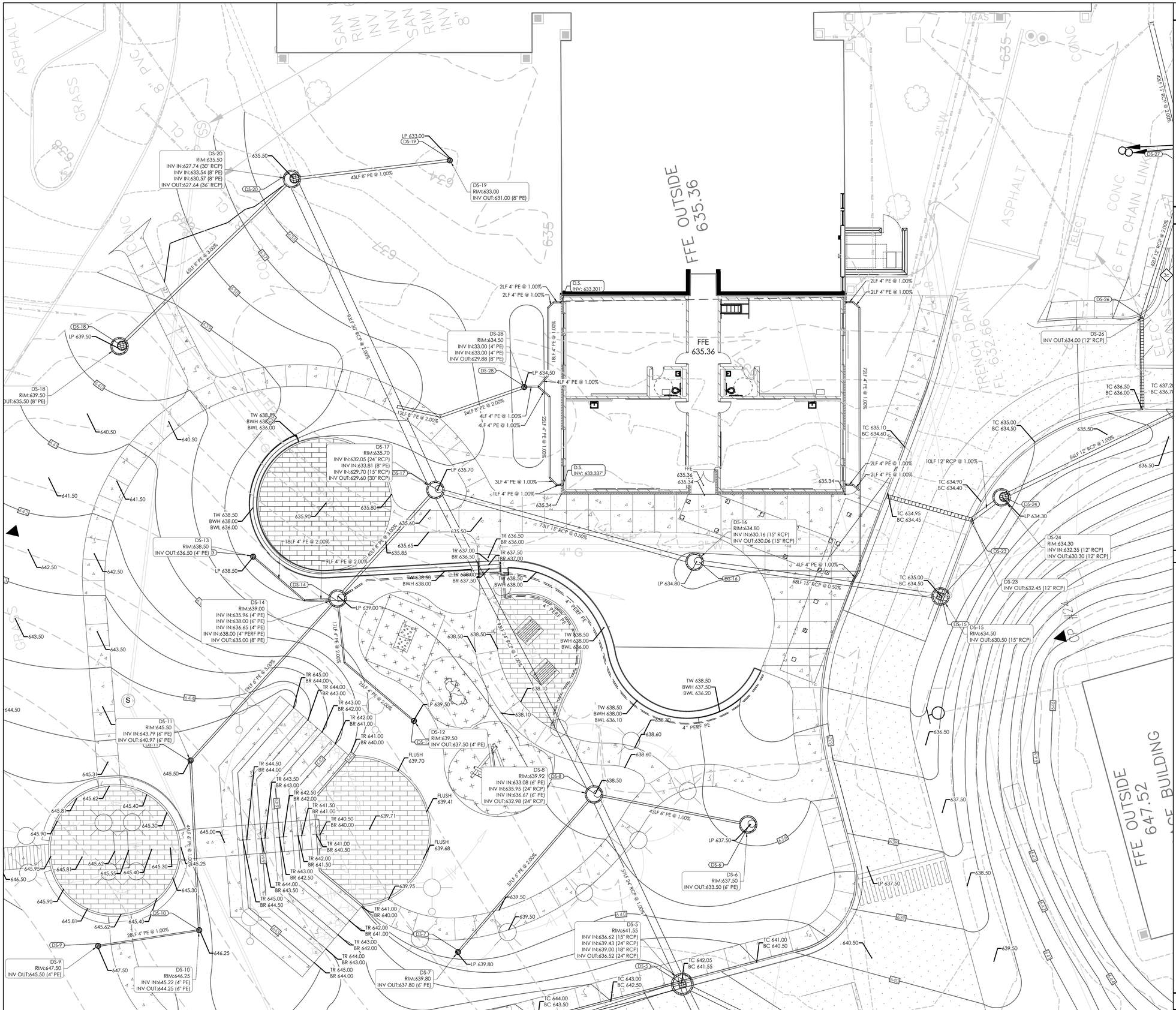
SD3.5

ENLARGED SITE PLANS

DATE ISSUED:
05/16/2022



ALTERNATE - ENLARGED SITE DEVELOPMENT AND LAYOUT PLAN (A / SD3.6)

SCALE : 1"=10'

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

SITE GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ACTUAL DEPTHS OF ALL EXISTING STORM DRAINS, GAS MAINS, WATER MAINS, AND PIPES TO ALL NEW CONNECTIONS AND CROSSINGS. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO AREAS WHERE CONSTRUCTION OR GRADING MAY INTERFERE WITH SUCH LINES.
2. ANY DISCREPANCIES BETWEEN THIS GRADING PLAN AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION OF ANY SORT. FAILURE TO NOTIFY THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF EXCAVATION, GRADING, TRENCHING, OR OTHER CONSTRUCTION SHALL IMPLY THE CONTRACTOR'S VERIFICATION OF AND ACCEPTANCE OF EXISTING SITE CONDITIONS. SAID FAILURE TO NOTIFY THE ARCHITECT IN WRITING SHALL IDENTIFY AND HOLD HARMLESS THE OWNER FROM ANY ADDITIONAL COSTS INCURRED BY THE CONTRACTOR DUE TO DISCREPANCIES NOT REPORTED WHICH COULD HAVE BEEN DETECTED BY PRUDENT AND REASONABLE OBSERVATION AND VERIFICATION BY THE CONTRACTOR.
3. REFER TO SPECIFICATION NUMBER 312316 FOR ALL TRENCHING AND ROCK REMOVAL INFORMATION.
4. ALL IMPERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF ONE PERCENT (1%) AND A MAXIMUM SLOPE OF SEVEN PERCENT (7%)
5. ALL PERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF TWO PERCENT (2 %) AND A MAXIMUM SLOPE OF THIRTY-THREE PERCENT (33%) EXCEPT WHERE SHOWN.
6. SLOPE PERVIOUS SURFACES MIN. 5 % AND IMPERVIOUS SURFACES MIN. 1% AWAY FROM BUILDING FOUNDATIONS.
7. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO POND IN CONSTRUCTION AREAS.
8. RELOCATE ALL BURIED UTILITIES THAT ARE IMPACTED BY ANY EARTHWORK. RELOCATED UTILITY LOCATIONS ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO STARTING WORK.
9. PROTECT AREAS TO BE SEEDED AS FOLLOWS:
   A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.
   B) SLOPES 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
10. ANY AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDED AND MULCHED PER THE SPECIFICATIONS.
11. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF THEIR STANDARD PROCTOR MAXIMUM DRY DENSITY AT PLUS OR MINUS TWO (2) PERCENT OF OPTIMUM MOISTURE CONTENT:
    A) UNDER FLOOR SLABS AND FOUNDATIONS ON STRUCTURAL FILL - 97%
    B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 97%
    C) PAVED AREAS AND WALKS - 95%
    D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
12. ALL TREES THAT ARE IDENTIFIED BY THE ARCHITECT TO REMAIN, EITHER ON THE DRAWING OR IN THE FIELD, ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL TREES LOCATED OUTSIDE OF AREAS IDENTIFIED TO BE RE-GRADED ARE TO BE PROTECTED IN ACCORDANCE WITH THE SPECIFICATIONS.
13. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DEBRIS AND SEDIMENT ARE REMOVED DAILY FROM SITE DRIVEWAYS, PARKING AREAS, WALKWAYS AND SURROUNDING ROADWAYS AND WALKWAYS.
14. EXCESS SATISFACTORY SOILS ARE TO BE DISPOSED OF ON-SITE IN A LOCATION IDENTIFIED BY THE OWNER. THESE SOILS ARE TO BE SPREAD AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
15. THE NEW PARKING, ROADS AND ROAD BASE ARE NOT DESIGNED TO ACCOMMODATE CONSTRUCTION TRAFFIC AND SHOULD NOT BE USED FOR SUCH UNLESS STABILIZED USING #2 CRUSHED STONE AND/OR GEO-GRID IN ADDITION TO THE PAVEMENT DESIGN SECTION SHOWN. IF THE CONTRACTOR WISHES TO USE THE NEW ROAD ALIGNMENTS DURING CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO STABILIZE THE ROAD ALIGNMENT SUBGRADES AND PREVENT THEM FROM BEING DAMAGED DURING CONSTRUCTION.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING.

SITE STORM DRAINAGE NOTES

1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE REINFORCED CONCRETE. ALL PE PIPE SHALL BE DUAL WALL POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALL, OR EQUIVALENT AS APPROVED BY THE SPECIFICATIONS. ALL STORM PIPING SHALL BE INSTALLED AT A CONSTANT, POSITIVE SLOPE FROM INLET CONNECTION TO DISCHARGED CONNECTION. PIPE SLOPE IS TO BE 0.5% MINIMUM.
2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.
3. EROSION CONTROL BLANKETS ARE TO BE INSTALLED AS INDICATED IN THE SPECIFICATIONS.
4. ALL STORM STRUCTURES ARE TO BE DESIGNED FOR H-20 LOADING.
5. ALL GRATES AND MANHOLE COVERS ARE TO BE HEAVY DUTY CAST IRON DESIGNED FOR H-20 LOADING.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.
7. ALL ROOF DRAINS AND DOWNSPOUTS, INCLUDING CANOPY DOWNSPOUTS, ARE TO BE PIPED UNDERGROUND AND CONNECTED TO STORM WATER STRUCTURES. DOWNSPOUT BOOT AND DOWNSPOUT SIZES ARE TO BE COORDINATED WITH THE MANUFACTURERS AND INSTALLERS OF EACH ITEM. CLEANOUTS ARE TO BE LOCATED AT EACH CHANGE IN DIRECTION OF THE PIPING. ENSURE CLEANOUTS ARE DESIGNED FOR AUTOMOBILE TRAFFIC, AND ARE FLUSH WITH THE SURROUNDING SURFACES.
8. THE LOCATIONS SHOWN FOR THE NEW STORM SEWER PIPING AND STRUCTURES ARE APPROXIMATE. ACTUAL LOCATIONS CAN BE ADJUSTED WITH ARCHITECTS WRITTEN APPROVAL IN ORDER TO AVOID UNFORESEEN CONDITIONS OR OTHER CONSTRUCTION CONFLICTS. CONTRACTOR IS TO COORDINATE STORM SEWER INSTALLATION WITH ALL OTHER TRADES AND WORK.

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION
TW - TOP OF WALL AT FINISH GRADE
BW - BOTTOM OF WALL AT FINISH GRADE
TR - TOP OF RISER
BR - BOTTOM OF RISER

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SD3.6

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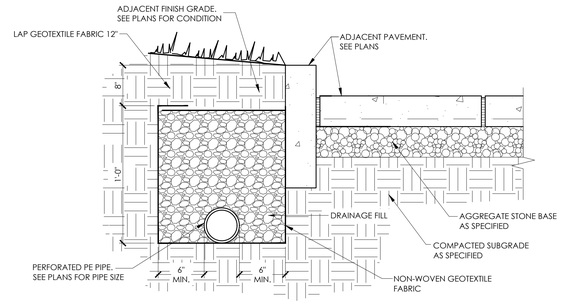
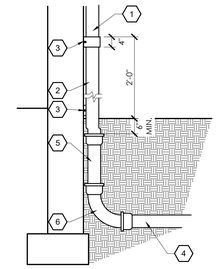


FRENCH DRAIN

SCALE : 1-1/2" = 1'-0"

E / SD4.1



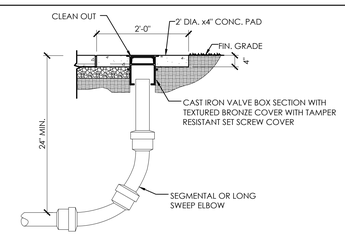
NOTES :

1. DOWNSPOUT-SEE ARCHITECTURAL DRAWINGS FOR SIZES. COORDINATE WITH DOWNSPOUT BOOT SIZES.
2. DOWNSPOUT BOOT PER SPECIFICATION SECTION 334993. COORDINATE BOOT SIZES WITH DOWNSPOUTS AND STORM DRAINAGE PIPING. COORDINATE EXACT LOCATIONS WITH DOWNSPOUT CONTRACTOR. INSTALL A MINIMUM OF 24" OF BOOT ABOVE GRADE AND PIPE CONNECTION 6" MINIMUM BELOW GRADE.
3. SECURE TO WALL. PAINT BACK OF BOOT PRIOR TO INSTALLING.
4. STORM DRAINAGE PIPING BELOW GRADE.
5. PVC PIPE AS NEEDED TO EXTEND TO REQUIRED PIPE DEPTH.
6. LONG SWEEP ELBOW

DOWNSPOUT BOOT DETAIL

SCALE : 3/4" = 1'-0"

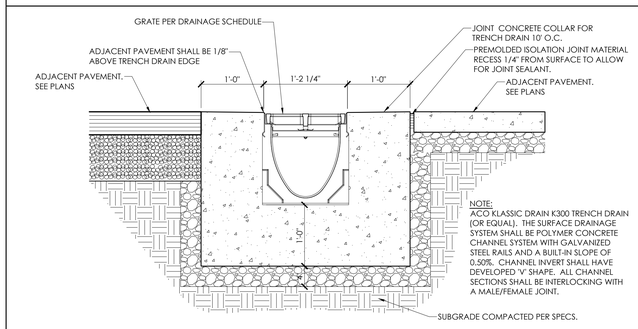
D / SD4.1



CLEANOUT DETAIL

SCALE : 3/4" = 1'-0"

C / SD4.1

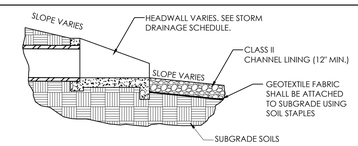


NOTE:
ACO KLASSIC DRAIN K300 TRENCH DRAIN (OR EQUAL). THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE CHANNEL SYSTEM WITH GALVANIZED STEEL RAILS AND A BUILT-IN SLOPE OF 0.50%. CHANNEL INVERT SHALL HAVE DEVELOPED 'V' SHAPE. ALL CHANNEL SECTIONS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

TRENCH DRAIN

SCALE : 1" = 1'-0"

I / SD4.1



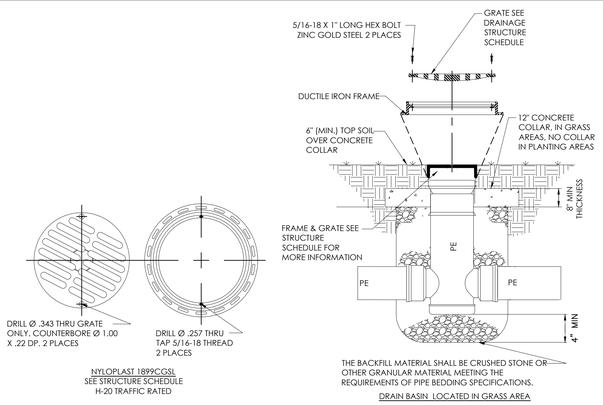
NOTES:

1.) CHANNEL LINING SHALL BE PLACED IN A MANNER THAT WILL NOT TEAR OR DAMAGE THE FILTER FABRIC.
2.) GEOTEXTILE FABRIC SHALL BE NON-WOVEN DRAINAGE FABRIC SUCH AS AMOCO 4545.
3.) GRADING AROUND THE HEADWALL SHOULD BE SUFFICIENT TO PREVENT THE HEADWALL FROM MOVING AND TO PREVENT EROSION AROUND THE HEADWALL. SLOPED HEADWALLS ARE TO BE GRADED FLUSH SO THAT THEY CAN BE MOWED OVER.
4.) RIP-RAP EROSION PROTECTION IS TO EXTEND A MINIMUM OF 25-FEET DOWNSTREAM OF THE HEADWALL, AND IS TO EXTEND TO THE TOP OF THE DITCH OR A MINIMUM OF 15-FEET WIDE.

HEADWALL DETAIL

SCALE : N.T.S.

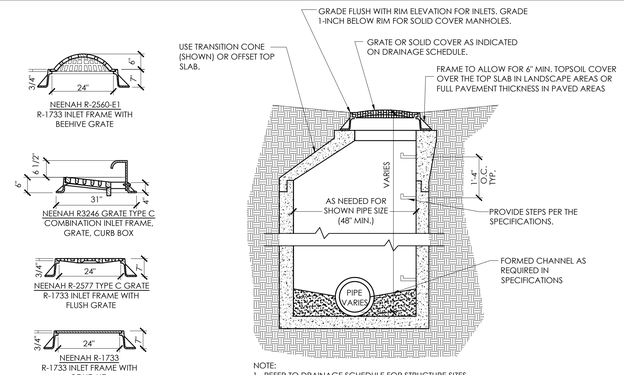
B / SD4.1



DRAIN BASIN PLAZA DRAIN DETAIL

SCALE : N.T.S.

F / SD4.1



NOTE:
1. REFER TO DRAINAGE SCHEDULE FOR STRUCTURE SIZES.

2. PIPE ORIENTATION SHOWN IS FOR TYPICAL CONSTRUCTION ONLY. ACUTAL PIPE LOCATIONS, SIZES AND ORIENTATIONS MAY DIFFER. REFER TO PROJECT DRAWINGS FOR PIPE INFORMATION.

MANHOLE/SURFACE INLET (TYP)

SCALE : 1/2" = 1'-0"

A / SD4.1

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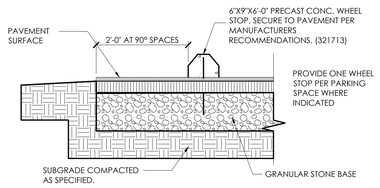
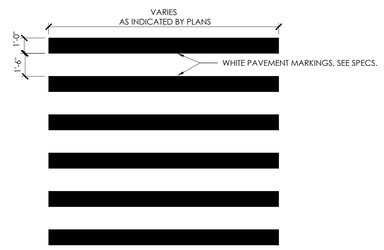


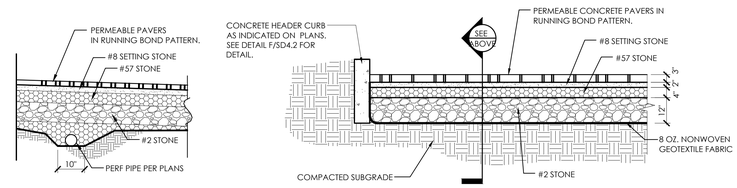
CONCRETE WHEEL STOP (321713)

SCALE : 1-1/2" = 1'-0" (S / SD4.2)



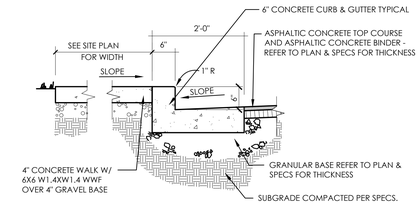
PAINTED CROSS WALK (321723.23)

SCALE : 1/4" = 1'-0" (O / SD4.2)



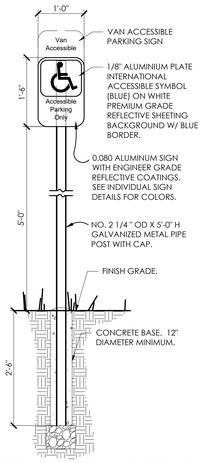
PERMEABLE PAVER WITH HEADER CURB

SCALE : 1/2" = 1'-0" (K / SD4.2)



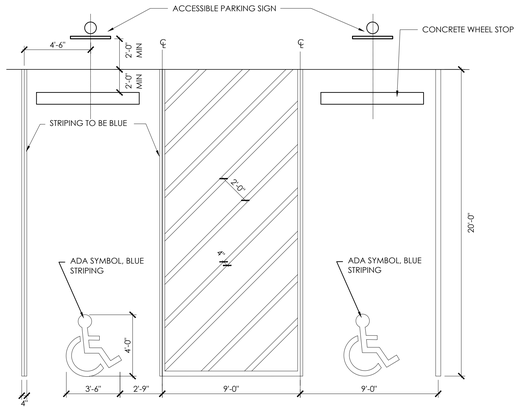
CONCRETE CURB AND GUTTER

SCALE : 3/4" = 1'-0" (F / SD4.2)



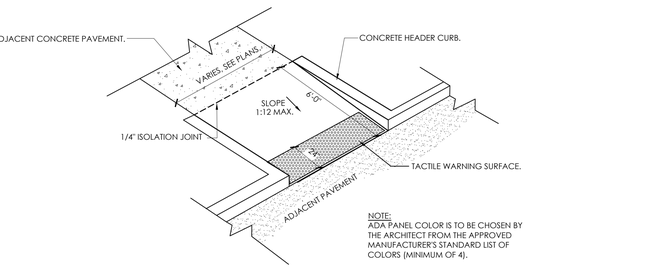
ACCESSIBLE PARKING SIGNS (101424)

SCALE : 3/4" = 1'-0" (R / SD4.2)



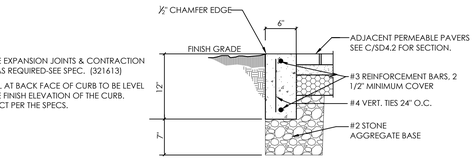
ACCESSIBLE PAVEMENT MARKING

SCALE : 1/4" = 1'-0" (N / SD4.2)



ACCESSIBLE DROPPED CURB TYPE C

SCALE : N.T.S. (J / SD4.2)

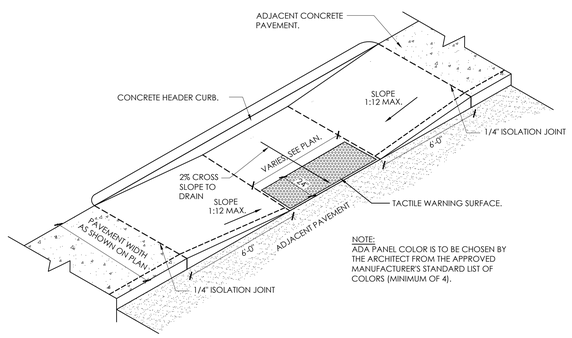


NOTES:
1. PROVIDE EXPANSION JOINTS & CONTRACTION JOINTS AS REQUIRED-SEE SPEC. (321613)
2. BACKFILL AT BACK FACE OF CURB TO BE LEVEL WITH THE FINISH ELEVATION OF THE CURB. COMPACT PER THE SPECS.

FLUSH CONCRETE HEADER CURB

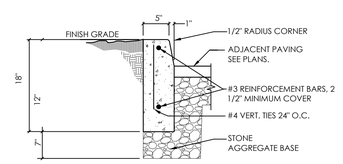
SCALE : 1-1/2"=1'-0" (E / SD4.2)

NOTES:
1. PROVIDE EXPANSION JOINTS & CONTRACTION JOINTS AS REQUIRED-SEE DETAIL THIS SHEET. REFER TO SPEC. SECTION FOR ADDITIONAL REQUIREMENTS. (321613)
2. BACKFILL AT BACK FACE OF CURB TO BE LEVEL WITH THE FINISH ELEVATION OF THE CURB. COMPACT PER THE SPECS.



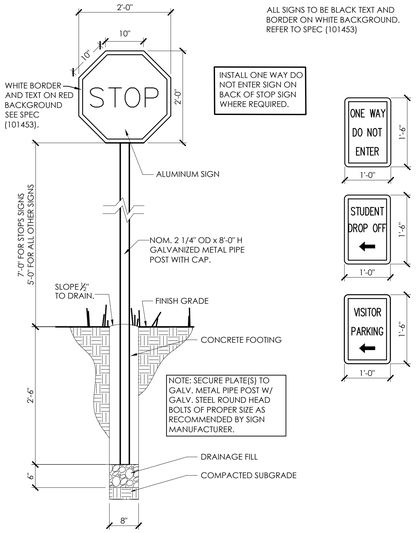
ACCESSIBLE DROPPED CURB TYPE B

SCALE : N.T.S. (I / SD4.2)



6" WIDTH CONCRETE HEADER CURB

SCALE : 1-1/2"=1'-0" (D / SD4.2)



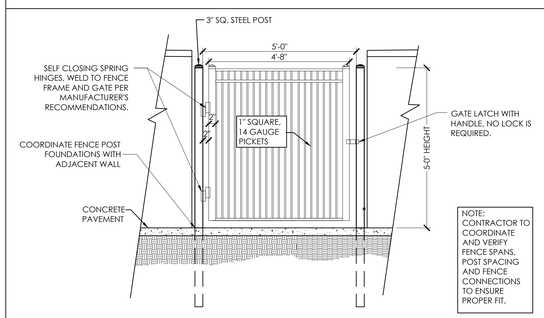
ALL SIGNS TO BE BLACK TEXT AND BORDER ON WHITE BACKGROUND. REFER TO SPEC (101453)

INSTALL ONE WAY DO NOT ENTER SIGN ON BACK OF STOP SIGN WHERE REQUIRED.

NOTE: SECURE PLATE(S) TO GALV. METAL PIPE POST W/ GALV. STEEL ROUND HEAD BOLTS OF PROPER SIZE AS RECOMMENDED BY SIGN MANUFACTURER.

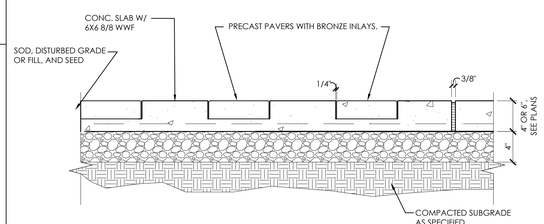
TRAFFIC SIGNAGE (101424)

SCALE : 3/4" = 1'-0" (Q / SD4.2)



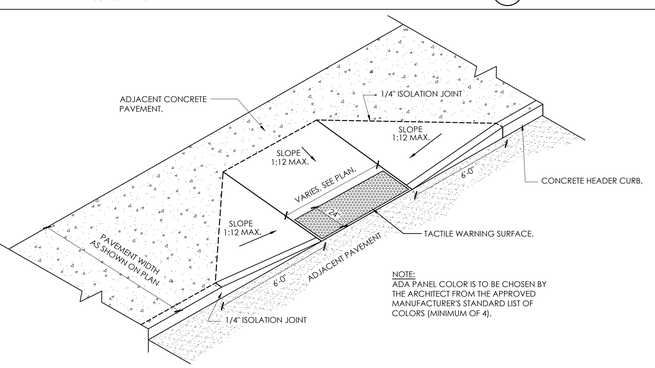
5' ORNAMENTAL GATE

SCALE : 1/2" = 1'-0" (M / SD4.2)



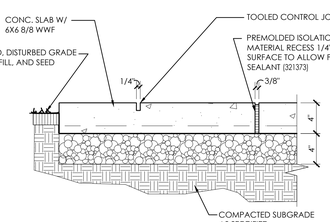
CONCRETE SIDEWALK WITH PAVERS AND INLAYS

SCALE : 3/4" = 1'-0" (C / SD4.2)



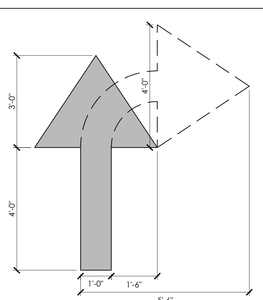
ACCESSIBLE DROPPED CURB - TYPE A

SCALE : N.T.S. (H / SD4.2)



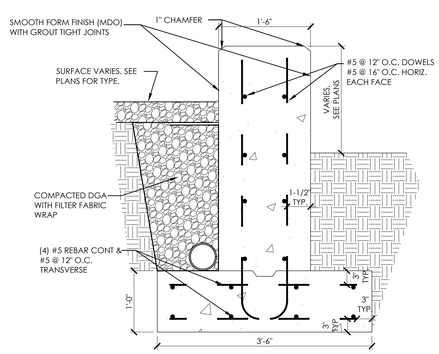
CONCRETE SIDEWALK

SCALE : 3/4" = 1'-0" (B / SD4.2)



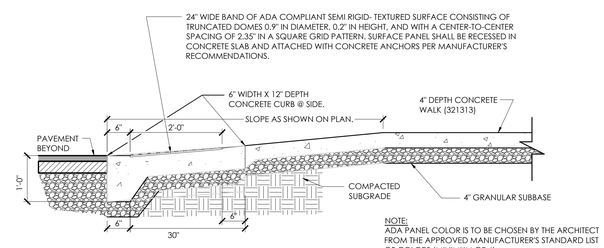
TRAFFIC ARROW

SCALE : 1/2" = 1'-0" (P / SD4.2)



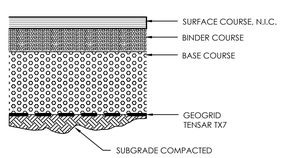
CONCRETE RETAINING WALL

SCALE : 1/2" = 1'-0" (L / SD4.2)



CONCRETE RAMP W/ DETECTABLE WARNING PANEL

SCALE : 3/4" = 1'-0" (G / SD4.2)



	ASPHALT OVERLAY	HEAVY DUTY
SURFACE	1.5"	1.5"
BINDER	-	4.0"
STONE BASE	-	10.0"

ASPHALT PAVEMENT

SCALE : 1-1/2=1'-0" (A / SD4.2)

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SITE DETAILS
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
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BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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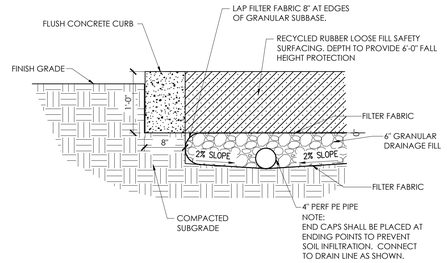
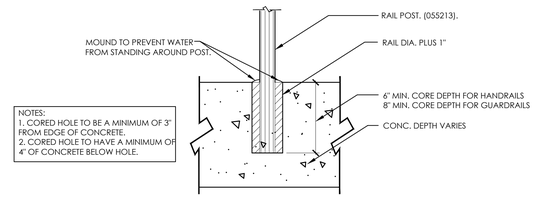


GRANULAR RUBBER PLAYGROUND SAFETY SURFACING

SCALE : N.T.S.

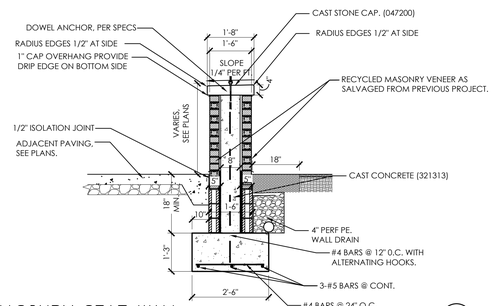
H / SD4.3



HANDRAIL/GUARDRAIL POST DETAIL

SCALE : N.T.S.

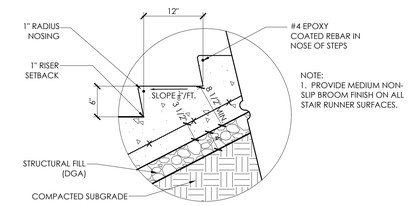
D / SD4.3



MASONRY SEAT WALL

SCALE : N.T.S.

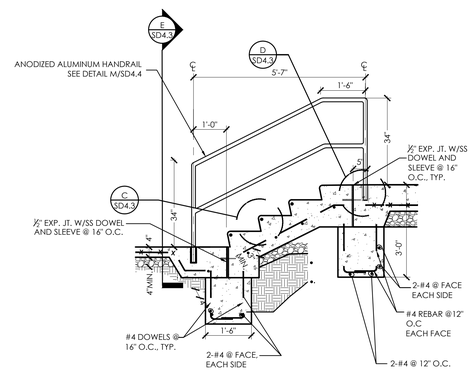
G / SD4.3



TYPICAL STAIR TREAD AND NOSING DETAIL

SCALE : 1" = 1'-0"

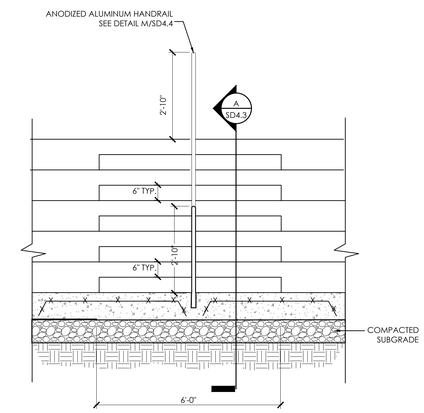
C / SD4.3



CONCRETE STAIR B – SECTION

SCALE : N.T.S.

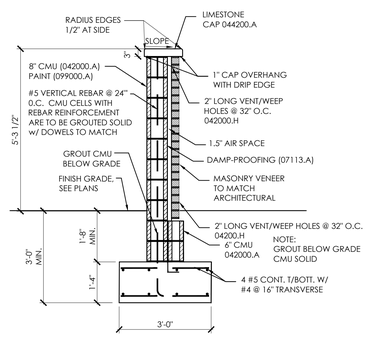
F / SD4.3



AMPHITHEATER STAIR ELEVATION

SCALE : 1/2" = 1'-0"

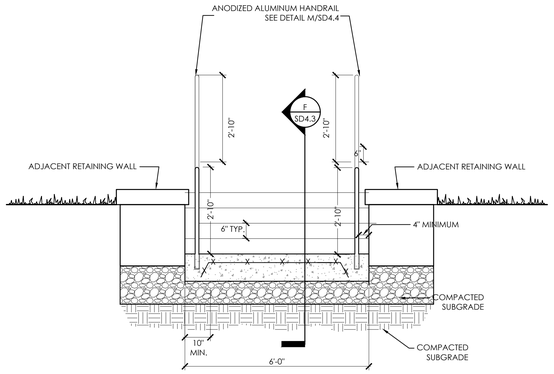
B / SD4.3



MASONRY SCREEN WALL

SCALE : 1/2" = 1'-0"

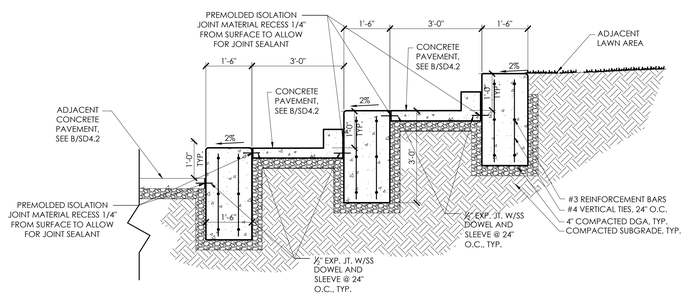
I / SD4.3



CONCRETE STAIR B – ELEVATION

SCALE : N.T.S.

E / SD4.3



AMPHITHEATER PROFILE

SCALE : 1/2" = 1'-0"

A / SD4.3

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

SITE DETAILS

ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1

FOR:

ESTILL COUNTY BOARD OF EDUCATION

IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
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p 859.271.3246

Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
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BG# 22-207

Project No: 2148
Drawn By: JKB/ELM
Rev'd By: MBM

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SITE DETAILS

DATE ISSUED:
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LANDSCAPE NOTES

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK. ANY CONFLICTS IN LOCATION OF PLANT MATERIAL SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. SCHEDULE A REVIEW OF THE PLANTS TO BE INSTALLED WITH THE LANDSCAPE ARCHITECT. PROVIDE AT LEAST 7 DAYS ADVANCE NOTICE OF MEETING. VIEWING CAN EITHER BE CONDUCTED AT THE STORAGE NURSERY ONCE ALL THE PLANTS ARE PURCHASED, OR ON-SITE PRIOR TO ANY PLANTS BEING PLACED IN THE GROUND. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS THAT HAVE NOT BEEN VIEWED PRIOR TO BEING PLACED IN THE GROUND.
4. PRESERVATION AND REMOVAL OF EXISTING TREES:
   A) EXISTING TREES DESIGNATED TO BE PRESERVED SHALL BE PROTECTED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS. ALL PROTECTIVE MEASURES SHALL BE CARRIED AS PER THE SPECIFICATIONS AND DRAWINGS.
   B) ALL EXISTING TREES DESIGNATED FOR REMOVAL SHALL BE REMOVED AS PER THE CONTRACT SPECIFICATIONS AND ONLY BY PERMISSION OF THE LANDSCAPE ARCHITECT.
5. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND REVIEWED BY THE LANDSCAPE ARCHITECT.
6. ALL PLANT MATERIALS SHALL CONFORM TO THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN AND SHALL HAVE PASSED ANY INSPECTIONS REQUIRED UNDER STATE REGULATIONS. ALL PLANTS SHALL BE BALLED AND BURLAP WRAPPED UNLESS OTHERWISE NOTED IN THE PLANTING SCHEDULE. ANY SYNTHETIC WRAPPING AND ALL CONTAINERS SHALL BE REMOVED PRIOR TO PLANTING.
7. ALL SHRUBS AND HEDGES SHALL BE AT LEAST 2 FEET IN HEIGHT WITH ATLEAST 3 CANES OR LARGER. ALL SINGLE STEM TREES SHALL HAVE A MINIMUM 1.75" CALIPER, UNLESS OTHERWISE NOTED. PLANTS SHOULD MEET THESE CONDITIONS IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, AND THE SPECIFICATIONS NOTED ON THE PLANTING SCHEDULE.
8. ANY STAKING, WIRING, AND/OR WRAPPING SHALL BE DONE ONLY WHERE SLOPES ARE GREATER THAN 20%, OR WHERE OTHER STABILITY PROBLEMS EXIST.
9. ALL OPEN LANDSCAPE AREAS SHALL BE HYDROSEEDED.
10. ALL PLANTING BEDS SHALL BE MULCHED WITH MATERIALS AS SPECIFIED ON THE PLANTING PLAN, WITH A SAUCER SURROUNDING EACH PLANT. HARDWOOD MULCH SHALL BE EVENLY SPREAD, 4" DEEP.
11. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS. FERTILIZER SHALL BE APPLIED IN ACCORDANCE WITH THE SOIL TEST RECOMMENDATIONS.
12. ALL LANDSCAPING MATERIALS SHALL BE INSTALLED IN A SOUND, WORKMAN-LIKE MANNER, AND ACCORDING TO BEST PRACTICE CONSTRUCTION AND PLANTING PROCEDURES. ANY LANDSCAPE MATERIAL THAT IS DEEMED UNACCEPTABLE, OR INSTALLED IN A MANNER THAT RENDERS THEM UNACCEPTABLE AS DETERMINED BY THE LANDSCAPE ARCHITECT, SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIALS. ALL CHANGES AND SUBSTITUTIONS OF PLANT AND LANDSCAPE MATERIALS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT, OR EQUAL.

PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME
AS	9	ACER RUBRUM 'SUN VALLEY' / SUN VALLEY RED MAPLE
CK	11	CORNUS KOUSA / KOUSA DOGWOOD
HC	2	HALESIA CAROLINA / SILVERBELL
LT	8	LIRIODENDRON TULIPIFERA / TULIP POPLAR
NW	6	NYSSA SYLVATICA 'WILDFIRE' / WILDFIRE TUPELO
QB	4	QUERCUS BICOLOR / SWAMP WHITE OAK
SHRUBS	QTY	BOTANICAL / COMMON NAME
BU	1	BUDDLEJA X 'BLUE KNIGHT' / BLUE KNIGHT BUTTERFLY BUSH
FN	20	FORSYTHIA X 'NIMBUS' TM / SHOW OFF SUGAR BABY DWARF FORSYTHIA
HL	24	HYDRANGEA PANICULATA 'SMHPLQF' TM / LITTLE QUICK FIRE PANICLE HYDRANGEA
IC	20	ILEX CRENATA 'COMPACTA' / DWARF JAPANESE HOLLY

LEGEND

HYDROSEED. ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE SEEDED. (329223)

HARDWOOD LANDSCAPING MULCH

NEW TREE. SEE DETAIL A/SD1.1 (329300)

(A) AREAS TO RECEIVE HYDROSEED.

NOTE:
ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE HYDROSEEDED PER THE SPECIFICATIONS UNLESS OTHERWISE SHOWN TO RECEIVE SOD. PLACE 3'-0" WIDTH SOD STRIP NEXT TO ALL PAVEMENTS AND BUILDING FACES ADJACENT TO DISTURBED AREA(S). REFER TO SPECIFICATIONS FOR GRADED SLOPES THAT ARE TO RECEIVE LONG TERM EROSION CONTROL.

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY S&ME 2020 LIBERTY ROAD SUITE 105 LEXINGTON KY 405105. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.
6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING, AND LEED SPECIFIC REQUIREMENTS.

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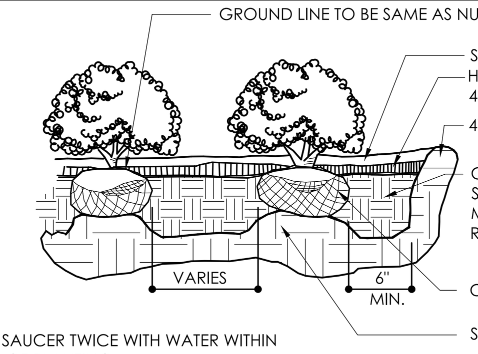
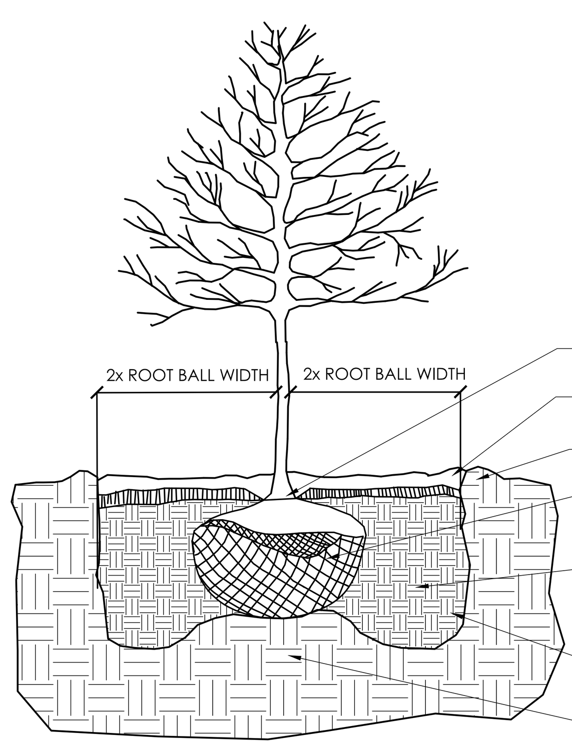


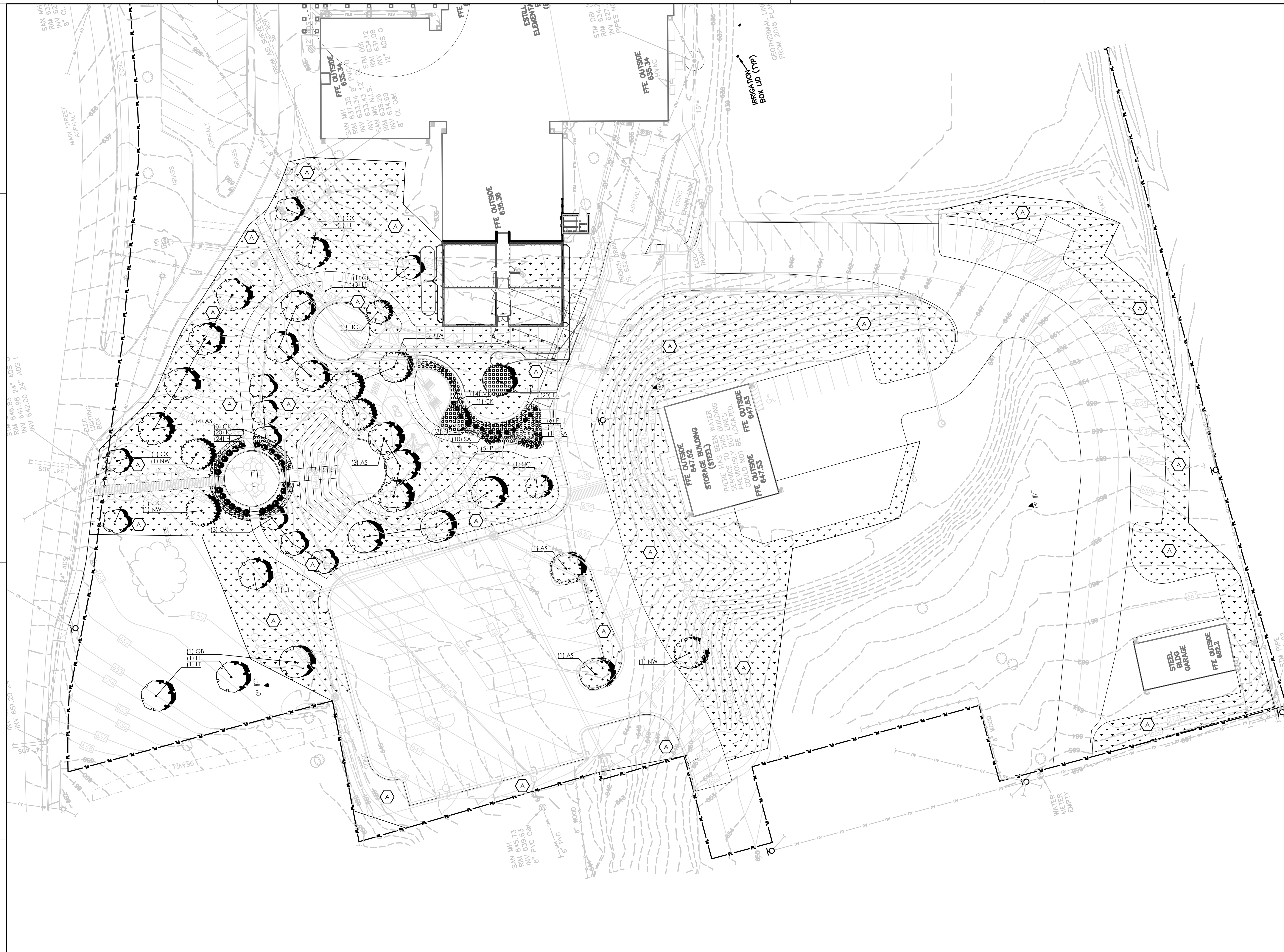
NOTES:
1. FLOOD SAUCER TWICE WITH WATER WITHIN 24 HOURS OF PLANTING.
2. SCORE ROOTS WHEN NECESSARY.
3. SCARIFY SIDES OF PLANTING PIT.

SHRUB PLANTING DETAIL
SCALE : NTS — C / SD5.1



NOTES:
1. FLOOD SAUCER TWICE WITH WATER WITHIN 48 HOURS OF PLANTING.
2. DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE THE EDGE OF THE CROWN.
3. DO NOT USE TREE WRAP.

TREE PLANTING DETAIL
SCALE : NTS — B / SD5.1



SITE PLANTING PLAN
SCALE : 1" = 30' — 0 30 60 Feet — A / SD5.1 — PLAN NORTH

SITE PLANTING PLAN
ESTILL SPRINGS ELEMENTARY ARP ESSER RENOVATION & ADDITION - PHASE 1
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
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Structural Engineer:
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BG# 22-207

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SITE PLANTING PLAN

DATE ISSUED: 03/22/2022

STRUCTURAL NOTES

THE STRUCTURAL NOTES DEFINE GENERAL DESIGN AND MATERIAL REQUIREMENTS AND ARE INTENDED TO SUPPLEMENT, BUT NOT REPLACE, THE PROJECT SPECIFICATIONS

DESIGN CRITERIA

1. Building Code: 2018 Kentucky Building Code and ASCE 7-10 (except Chapter 14 and Appendix 11A)

   1.1 Building Risk Category: III

2. Design Loads

   2.1 Uniform Floor Live Loads (reduced per Building Code, UNO)

   Ground Floor General Areas 100 psf
   Mechanical Mezzanine 100 psf

   2.2 Roof Loads

   2.2.1 Uniform Roof Live Load 20 psf (reduced per Bldg. Code)

   2.2.2 Snow Loads: Ground Snow, Pg = 15 psf (with drift loads per Code)
   Terrain Category = C
   Snow Exposure Factor, Ce = 1.0
   Snow Load Importance Factor, I = 1.1
   Slope Factor, Cs = 1.0
   Thermal Factor: Heated Spaces, Ct = 1.0
   Unheated Spaces, Ct = 1.2
   Flat-roof Snow Load: Heated Spaces, Pf = 16.6 psf
   Unheated Spaces, Pf = 18.9 psf
   Rain-on-Snow Surcharge: 5 psf (where applicable)
   Frost Depth = 2-ft

   2.3 Wind Loads

   Basic Wind Speed V(ult)=120 mph; V(asd)= 93 mph
   Wind Exposure = C
   Internal Pressure Coefficient, GCpi = +/-0.18 (Enclosed Building)
   Directionality Factor, Kd = 0.85

   2.3.1 Component and Cladding Pressures: See S0.4

   2.4 Earthquake Loads

   Seismic Importance Factor, I = 1.25
   Mapped Spectral Response Accelerations, Ss and S1 = 0.197 and 0.091
   Site Class: B
   Spectral Response Coefficients, Sds and Sd1 = 0.131 and 0.061
   Seismic Design Category: A

3. Structural Engineer is not responsible for the design of steel stairs, handrails, curtain wall/window wall systems, cold-formed steel framing, or other systems not shown in the Structural Documents. Such systems shall be designed, furnished, and installed as required by other portions of the Construction Documents.

4. No explicit provisions have been made for future building expansion.

GENERAL

1. Reference to standards or specifications of technical societies, organizations, or associations means the standard or specification referenced by the governing Building Code shown on the Drawings, unless specifically noted otherwise.

2. Material, workmanship, and design shall conform to the referenced Building Code.

3. For dimensions not shown in the Structural Drawings, see the Architectural Drawings.

4. Contractor responsibilities include, but are not limited to, the following:

   4.1 Coordinate the Structural Documents with the Architectural, Mechanical, Electrical, Plumbing, and Civil Documents. Architect/Structural Engineer shall be notified of any discrepancy or omission prior to installation of associated work.

   4.2 Coordinate Structural Documents with Architectural and MPE Documents for location and quantity of miscellaneous framing for items such as roof drains, suspended or supported mechanical units, window washing davits, etc. Refer to Architectural and MPE Documents for additional miscellaneous structural elements that may not appear in the Structural Documents.

   4.3 Equipment/Framing Verification

   4.3.1 Mechanical Equipment: Submit actual weights of equipment to be used for review at least 3 weeks prior to fabrication and construction. Coordinate opening sizes and locations with Mechanical Contractor.

   4.3.2 Miscellaneous Framing: Verify framing shown on the Structural Drawings for mechanical equipment, Owner-furnished items, partitions, etc. is consistent with the requirements of such items.

   4.4 The structure is stable only in its completed form. Temporary supports required for stability during all intermediate stages of construction shall be designed, furnished, and installed by the Contractor.

   4.5 Contractor has sole responsibility for jobsite safety and complying with all health and safety precautions as required by any regulatory agency. In performing construction observation visits to the jobsite, the Structural Engineer will have no control over, nor responsibility for, the Contractor's means, methods, sequences, techniques, or Procedures in performing the work.

   4.6 Contractor is responsible for locating concrete reinforcement prior to installation of post-installed anchors, through bolts, or other post-installed items in concrete. Existing reinforcement including post-tensioning tendons shall not be cut or otherwise damaged while installing post-installed anchors.

5. Existing and Unforeseen Conditions

   5.1 Contractor shall field verify all existing conditions, elevations, and site conditions prior to construction and fabrication. Contractor shall immediately notify Structural Engineer of any existing conditions that are in conflict with the Structural Documents.

   5.2 Shop drawing submittals shall be based on field verified dimensions and conditions only. Contractor shall clearly show actual field dimensions on shop drawings.

   5.3 Existing dimensions, elevations, and other information shown in the Structural Drawings are based on the following Documents:
   ELEMENTARY SCHOOL - Estill County Board of Education, prepared by Sherman Carter Barnhart, dated 6-12-1987

SUBMITTALS

1. Shop Drawings and Submittals

   1.1 Reproduction of Structural Drawings for shop drawings is not permitted.

   1.2 Electronic drawing files will not be provided to the Contractor.

   1.3 Review of shop drawings will be for conformance with the Construction Documents regarding arrangement and sizes of members and the Contractor's interpretation of the design loads, if applicable, and Construction Document details. Such review shall not relieve the Contractor of the full responsibility to comply with the Construction Documents.

2. Submittals

   2.1 The Structural Quality Assurance Plan and Specifications identify the required submittals. Prior to (or with) the first submittal, Contractor shall submit a list of all required submittals for Engineer's review.

3. Deferred Submittals

   3.1 Deferred Submittals include those portions of the project that are furnished by the Contractor and designed by someone other than the Engineer of Record and are submitted at the time of the application. Deferred Submittals shall be submitted to the Building Official prior to fabrication and installation.

   3.2 Submittal documents for Deferred Submittals:

   3.2.1 Shall be included in the Contractor's scope of services and shall be sealed by an Engineer licensed in the project state. Design of Deferred Submittals shall be in accordance with the governing Building Code indicated above.

   3.2.2 Shall be submitted to the registered design professional in responsible charge who shall review them and forward to the Building Official with a notation indicating the deferred submittal documents have been reviewed and that they have been found in general conformance with the design of the building. Deferred submittal items shall not be installed until the design and submittal documents have been approved by the Building Official.

3.3 The following shall be considered Deferred Submittals:
Steel Connections - See "Structural Steel" Section
Steel Joists

FOUNDATION

1. Geotechnical Report: prepared by LE Gregg Associates
   Report No. 2022016, Dated April 29, 2022

   1.1 It is recommended that the Contractor become familiar with the subsurface conditions that will be encountered and obtain a copy of the geotechnical report and any supplemental reports. The report(s) may be included as a reference document within the construction documents. Otherwise the Contractor should contact the Owner to obtain a copy of the report(s).

2. Building Pad Preparation

   2.1 Strip vegetation and topsoil.

   2.2 Proofroll building areas with a minimum of two complete coverages of a loaded dump-truck or scraper in each of two perpendicular directions. Replace soft areas with compacted structural fill.

3. Rock Bearing Capacity: Isolated Footings 8,000 psf
   Continuous Footings 8,000 psf

   3.1 Footings shall bear on rock. A lean concrete material (1000 psi) may be utilized to level bottom of excavations to establish design bottom of footing elelvation. If rock is encountered at an elevation higher than design bottom of footing elevation, rock must be excavated to achieve design bottom of footing elevation shown in drawwings.

REINFORCEMENT

1. Reinforcing Bars: ASTM A615, Grade 60

   1.1 Reinforcing bars are not to be welded.

2. Welded Wire Reinforcement (WWR): ASTM A1064, 8-in minimum side and end laps

3. Reinforcement Placement (UNO)

   3.1 Concrete Reinforcement Clear Cover
   Below Grade: Unformed 3-in
   Formed 2-in

   3.2 Masonry reinforcing steel: Place in the center of CMU cells, unless otherwise noted in Drawings.

4. Reinforcement Splices

   4.1 Reinforcement marked "Continuous" can be spliced at locations determined by Contractor. All other reinforcement shall be spliced only at locations shown or noted, unless approved in writing by Structural Engineer.

   4.2 Splice Lengths (UNO)
   Concrete Reinforcement: Class B Tension Lap
   Masonry Reinforcement: See CMU Lap Splice Tables in Drawings

CAST-IN-PLACE CONCRETE

1. Concrete Properties

   1.1 Normal Weight Structural Concrete

	28-Day, f'c (min)	w/cm Ratio (max.)	Entrained Air
Footings (Isolated/Continuous)	3,000 psi	----	None Required
Slabs on Ground	3,500 psi	0.48	None Required
Slabs on Steel Forms	3,000 psi	0.48	None Required
Mechanical Equipment Pads:			
Interior	3,000 psi	----	None Required
Exterior	3,000 psi	----	5.0 +/- 1.5%
Lean Concrete	1,000 psi	----	None Required
All Other Concrete	5,000 psi	0.40	5.0 +/- 1.5%

Note: All concrete shall be assigned the exposure classes F0, S0, W0, and C0; except concrete in Aggressive Environment shall be assigned the exposure classes F3, S3, W1, and C2 (see ACI 318).

2. Construction Joint Locations: No horizontal construction joints are permitted except as shown on the Structural Drawings. Obtain written consent for additional joints.

CAST-IN-PLACE CONCRETE, CONTINUED

3. Pipes or ducts shall not exceed one-third the slab or wall thickness unless specifically detailed. See mechanical and electrical drawings for location of sleeves, accessories, etc.

   3.1 Conduit shall not be placed within the slab on ground. Conduit shall be installed below the slab on grade within the granular subbase.

4. Special Finishes: Refer to Architectural Drawings for molds, grooves, ornaments, clips or grounds required to be encased in concrete and for location of floor finishes and slab depressions.

5. Defect Repair: Honey-combing, spalls, cracks, etc. shall be repaired. Extent of defective area to be determined by the Structural Engineer.

6. Curing

   6.1 Begin curing procedures immediately following commencement of the finishing operation.

   6.2 Concrete shall be moist cured in accordance with ACI 308. See Specification for additional information.

NON-SHRINK GROUTING

1. Non-shrink grout under steel base plates shall be non-metallic with minimum compressive strength of 5000 psi at 28 days.

2. Non-shrink grout used for patching, repair, and other specific applications shall be submitted for review and approval by engineer.

CONCRETE MASONRY

1. Specified Compressive Strength, f'm = 2,000 psi
   Minimum Net Area Compressive Strength of Masonry Unit: 2,000 psi
   (ASTM C90 w/ Type M or S Mortar)

2. Mortar: Walls below grade Type M
   Bearing walls Type M or S
   Partition walls Type N

3. Coarse Grout: 2,500 psi min. compressive strength conforming to ASTM C476.

   3.1 Grout solid bond beams, reinforced CMU cores, and CMU cores and wall cavities below grade.

   3.2 Masonry webs on each side of grouted cells shall be fully mortared. Exterior single wythe CMU walls shall have head joints fully mortared.

4. Horizontal Joint Reinforcement, UNO: Two (2) No. 9 gage longitudinal wires at 16-in vertically. Lap wire 6 inches minimum. Provide accessories for corners, intersections, etc. Use ladder type for walls with vertical reinforcing.

5. Provide open bottom beam block units with 3-in deep minimum web openings at horizontal reinforcement locations not located over an opening. A minimum clear space of one bar diameter shall be provided between the reinforcing bars and the face of masonry units.

6. CMU has been designed assuming "running bond" placement. Do not use "stack bond" unless approved by Structural Engineer.

7. Contraction Joints: Unless noted otherwise on the Plans, maximum spacing of 1 1/2 times of wall height or 24 feet (whichever is less) in all concrete masonry walls (including partitions) above grade.

8. Submit written construction procedures prior to the start of masonry construction.

9. Grout fill beam and joist pockets in masonry walls after welds are inspected.

10. Contractor shall submit drawings coordinated with masonry and MPE contractors indicating the MPE penetrations through load bearing and non-load bearing walls. These drawings shall indicate the size and location of all penetrations and shall be submitted to the Architect/Structural engineer prior to installation.

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STRUCTURAL NOTES

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

Project No: 2148
Drawn By: CCA
Rev'd By: CH / DH

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S0.1

STRUCTURAL NOTES

DATE ISSUED:
MAY 16, 2022

STRUCTURAL NOTES

THE STRUCTURAL NOTES DEFINE GENERAL DESIGN AND MATERIAL REQUIREMENTS AND ARE INTENDED TO SUPPLEMENT, BUT NOT REPLACE, THE PROJECT SPECIFICATIONS

STRUCTURAL STEEL

1. Steel Shapes

   1.1 W-Shapes: ASTM A992 (Grade 50)

   1.2 Angles, Channels, Plates, UNO: ASTM A36

   1.3 Square/Rectangular/Round Hollow Structural Sections (HSS): ASTM A500, Grade B

   1.4 Pipe Structural Sections: ASTM A53, Grade B

2. Anchor Rods, Bolts, and Studs

   2.1 Anchor Rods: ASTM F1554, Grade 36. Headed Rods or threaded rods with plate washer and heavy hex nut.

   2.2 Bolts: 3/4-in Diameter A325 minimum. All connections may be bearing type, UNO. Design bearing type connections for load values with threads included in the shear plane. Submit proposed bolt tightening procedure for review.

3. Structural steel shall be fabricated and erected according to the "Specification for Structural Steel Buildings" referenced in the referenced Building Code.

4. Connections shall be detailed based on the design information provided in the Structural Documents.

   4.1 Standard Shear Connections: Detail as bolted or welded double-angle, single-plate, single-angle, or tee connections in accordance with the connection tables in the "Manual of Steel Construction" referenced in the referenced Building Code.

      4.1.1 Shear connections not defined in the AISC Manual shall be designed by an Engineer licensed in the project state. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by the Engineer.

   4.2 Welded Connections: Prequalified welded joints in accordance with AISC and the Structural Welding Code of the American Welding Society; "Non-prequalified joints" shall be qualified prior to fabrication.

   4.3 Factored Design Forces/Reactions: As shown on the Structural Drawings or, if not shown, the factored design reaction shall be half of the "Maximum Total Uniform Load (LRFD)" tabulated in the "Manual of Steel Construction" referenced in the referenced Building Code.

   4.4 Steel connections not specifically detailed in the Structural Drawings shall be designed by the Contractor. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by an Engineer licensed in the project state.

5. Shop Drawings: Submittal shall adequately depict structural members and connections.

6. Welders shall be qualified for the work performed in accordance with AWS D1.1. Welder qualifications shall be certified by the local building authority and verified by the Contractor and the Special Inspector.

7. Written welding procedures for shop and field welding of all structural steel shall be submitted to the Structural Engineer and the Special Inspector for review and approval. Do not fabricate steel until the welding procedures have been approved. The approved written welding procedures shall be strictly adhered to during the fabrication and field erection of all structural steel.

8. Shelf Angles Supporting Masonry Veneer

   8.1 All shelf angles supporting exterior building veneer are to be galvanized. Touch-up welds and abrasions in accordance with ASTM A780.

   8.2 Galvanized brick lintel angles receiving paint shall have proper treatment performed to accept paint.

   8.3 Sections and details presented in the structural documents may not be construed as defining the elevation of shelf angles. Elevations of shelf angles must be coordinated with the architectural drawings to ensure shelf angles are positioned at the proper elevation for masonry coursing.

   8.4 Contractor shall submit elevations and plans depicting all masonry shelf angles and their respective elevations for approval by the architect and structural engineer prior to construction.

STEEL JOISTS

1. Steel Joists, Bridging, and Connections: Designed, fabricated, and erected according to Specifications of the Steel Joist Institute (SJI).

   1.1 Net Uniform Uplift Design Load for Roof Joists = SEE WIND PRESSURE SHEET S0.04

2. Design of steel joists, bridging, and their connections shall be the sole responsibility of the Contractor. Submit shop drawings and calculations sealed by an Engineer licensed in the project state.
3. Contractor shall coordinate the construction and erection of walls, beam framing, steel decking, etc. to ensure compatibility of roof and wall systems considering pitch and camber of steel joists.

4. The contractor shall account for joist camber and change in deck direction with respect to requirements for all roofing elements.

STEEL DECK

1. Steel Roof Deck: See plan for gage, galvanized.

2. Non-Composite Steel Form Floor Deck: See Plan for gage, galvanized

3. Submit shop drawings with the manufacturer's catalog demonstrating compliance with the Contract Documents and the Steel Deck Institute.

POST-INSTALLED ANCHORS

1. Post-installed anchors shall only be installed where indicated on the structural drawings, unless approved by engineer of record.

2. The below products are the design basis for this project. Product diameter and embedment shall be as shown in the details. Install products IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). Refer to the project building code and/or evaluation report for special inspections and proof load requirements. Substitution requests for products other than those listed below may be submitted by the contractor to the Engineer-of-Record (EOR)for review. Substitutions will only be considered for products having a research report recognizing the product for the appropriate application under the project building code. Substitution requests shall include calculations that demonstrate the substituted product is capable of achieving the equivalent performance values of the design basis product.

3. For Anchoring into Concrete

   3.1 Expansion Anchors: Hilti Kwik Bolt TZ (ICC-ES ESR-1917), Simpson Strong-Bolt 2 (ICC-ES ESR-3037), DeWalt/Powers Power-Stud+ SD1 (ICC-ES ESR-2818), or DeWalt/Powers Power-Stud+ SD2 (ICC-ES ESR-2502).
   Minimum embedment = 6 times anchor diameter, UNO.

   3.2 Screw Anchors: Simpson Titen-HD (ICC-ES ESR-2713), DeWalt Screw Bolt+ (ICC-ES ESR-3889), or Hilti Kwik HUS-EZ (ICC-ES ESR-3027).
   Minimum Embedment = 6 times anchor diameter, UNO.

   3.3 Adhesive Anchors

      3.3.1 Adhesive anchors shall be installed in concrete having a minimum age of 21 days at time of anchor installation.

      3.3.2 Adhesive anchors identified in the drawings as installed in a horizontal or upwardly inclined orientation to resist sustained tensile loads shall be installed by certified installers.

      3.3.3 All-thread steel rods conforming ASTM A36 or bolts conforming to ASTM A307, Grade A or, both zinc plated in accordance with ASTM B633 or reinforcing bars conforming to ASTM A615, Grade 60.

      3.3.4 Adhesive for rebar and anchors shall have been tested in accordance with ACI 355.4 and ICC-ES AC308 for cracked concrete and seismic applications. Design bond strength has been based on CRACKED CONCRETE, ACI 355.4 temperature category B, and installations into dry holes drilled using a hammer drill into concrete that has cured for at least 21 days. Adhesive anchors shall be installed by a certified adhesive anchor installer PER ACI 318 17.8.2.2 where INDICATED on the contract documents. Installations requiring certified installers shall be inspected per ACI 318 17.8.2.4.

      3.3.5 Adhesive conforming to Simpson AT-XP (IAPMO-UES ER-263), Simpson SET-XP (ICC-ES ESR-2508), DeWalt/Powers Pure110+ (ICC-ES ESR-3298), DeWalt/Powers DeWalt AC200+ Adhesive (ICC-ES ESR-4027), Hilti HIT-HY 200 SafeSet Fast Cure Adhesive (ICC-ES ESR-3187), Hilti HIT-RE 500 V3 SafeSet Adhesive (ICC-ES ESR-3814).
      Minimum Embedment = 12 times anchor diameter, UNO.

4. For Anchorage into Solid Grouted Concrete Masonry

   4.1 Expansion Anchors: Hilti Kwik Bolt 3 (ICC-ES ESR-1385), Simpson Strong-Bolt 2 (IAPMO-UES ER-240), Simpson Wedge-All (ICC-ES ESR-1396) or DeWalt/Powers Power-Stud+ SD1 (ICC-ES ESR-2966).
   Minimum embedment = 6 times anchor diameter, UNO.

   4.2 Screw Anchors: Simpson Titen-HD (ICC-ES ESR-1056) or Powers Wedge-Bolt+ (ICC-ES ESR-1678), Hilti Kwik HUS-EZ (ICC-ES ESR-3056).
   Minimum Embedment = 6 times anchor diameter, UNO.

   4.3 Adhesive Anchors: Adhesive conforming to Simpson SET-XP (IAPMO-UES ER-281), Simpson SET-XP (ICC-ES ESR-265), DeWalt/Powers AC100+ Gold (ICC-ES ESR-3200), Hilti HIT-HY 70 Fast Cure Adhesive (ICC-ES ESR-2682).
   Minimum Embedment = 6 times anchor diameter, UNO.

5. Contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all of their anchoring products specified. The structural Engineer of record must receive documented confirmation that all of the contractor's personnel who install anchors are trained prior to the commencement of anchor installation.

ANCHORAGE AND BRACING OF NON-STRUCTURAL COMPONENTS

1. Rooftop Structures and Equipment

   1.1 Rooftop structures and equipment shall be properly anchored and braced to the structure to resist wind and seismic forces. Refer to MPE documents for specific details and additional information.

   1.2 Design of anchorage for rooftop structures, curbs and equipment shall be the sole responsibility of the Contractor. Submit shop drawings sealed by an Engineer licensed in the project state. Shop drawings shall show plan layout, typical elevations, details, and anchorage to the structure.

2. MP&E Suspended Components

   2.1 Pipe and conduit loads supported by "C" clamps at the edge of structural steel beam flanges cannot exceed 500 pounds. All "C" clamps shall have a retainer strap or similar restraint to prevent the clamp from working free during a seismic event.

   2.2 Total load of mechanical components applied to any one structural steel beam is not to exceed 4,000 pounds unless specifically approved by the Structural Engineer.

   2.3 At roof decks, piping is to be supported from the structural steel beams or supplementary steel supports, not supported by the roof deck.

   2.4 See Specifications for limitations on hanger loads supported by steel roof deck.

   2.5 At steel joists, see standard details for joist reinforcement requirements.

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STRUCTURAL NOTES, CONTINUED
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STRUCTURAL NOTES, CONTINUED
DATE ISSUED:
MAY 16, 2022

STRUCTURAL QUALITY ASSURANCE PLAN

GENERAL

This Structural Quality Assurance Plan includes:
1. The Statement of Special Inspections which defines the scope of testing and inspection that is required for this project.
2. The responsibilities of the Contractor.

Refer to other portions of the Construction Documents for Special Inspections required of architectural, mechanical, electrical, or other building components.

Special Inspector will be hired by the Owner.

Special Inspector shall maintain records of inspections in accordance with Chapter 17 of the Building Code and shall distribute these records to the Building Official, Architect, and Structural Engineer on a weekly basis, unless noted otherwise below. Reports shall indicate that work inspected/tested was done in conformance to the Construction Documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, they shall be brought to the attention of the Building Official, Architect, and Structural Engineer prior to completion of that phase of the work.

At the conclusion of the project, the Special Inspector shall submit a final report documenting required special inspections and correction of any discrepancies noted in the inspections.

STATEMENT OF SPECIAL INSPECTIONS

Special Inspector shall perform the following tests and inspections of all structural elements included within this Statement of Special Inspections.
1. The following tables contain material, components and work that require special inspection or testing:
   a. Inspection Frequency, C – Continuous special inspection. Special inspection by the special inspector who is present when and where the work to be inspected is being performed.
   b. Inspection Frequency, P – Periodic special inspection. Special inspection by the special inspector who is intermittently present where the work to be inspected has been or is being performed. For structural steel, observe the items on a random basis.
   c. See Structural Steel and Steel Deck sections for additional information for inspection tasks.

SOILS	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	P	
2. Verify excavations are extended to proper depth and have reached proper material.	P	Inspection is required after excavation is complete and prior to placement of structural fills.
3. Perform classification and testing of compacted fill materials.	P	Perform laboratory tests of field samples provided by contractor for verification of in place densities.
4. Verify use of proper materials, densities, and lift thickness during placement and compaction of compacted fill. a. As a minimum, perform one test per lift for every 2500 square feet of fill placed.	C	Refer to specification for lift thicknesses and compaction.
5. Prior to placement of compacted fill, inspect subgrade and verify that the site has been prepared properly (e.g. proofrolling, etc.).	P	
6. Determine quantities of material removed and quantities of material placed where Unit Prices are involved.	P	

CONCRETE CONSTRUCTION	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Inspection of reinforcing steel placement and installation. Grade, size, quantity, quality, location, spacing, clearances.	P	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3 / IBC 1908.4
2. Inspection of anchors cast in concrete. Verify compliance of the following: diameter, grade, type, length, number, placement, and embedment depth.	C	ACI 318 17.8.2 / AISC 360 N5.7
3. Inspection of post-installed mechanical anchors installed in hardened concrete members: verify anchor type, anchor dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque.	C	ACI 318 17.8.2 Use of post installed anchors must be approved by Structural Engineer
4. Inspection of post-installed adhesive anchors and reinforcing steel installed in hardened concrete members: Verify adhesive type, anchor rod dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque.	C	ACI 318 17.8.2.4 Use of post installed anchors must be approved by Structural Engineer
5. Verify use of required design mix.	P	ACI 318 Ch. 19, 26.4.3 26.4.4 / IBC 1904.1, 1904.2, 1908.2, 1908.3
6. Sampling fresh concrete from concrete discharge. Mold one set of specimens for compressive strength testing for each 150 cubic yards or each 5,000 square feet of slab or wall surface area for each mix design placed in any one day. No fewer than five tests for a given class of concrete for the entire project. a. Mold (5) 4x8-inch compressive strength cylinders, break and report (1) at 7-days, (3) at 28-days, or mold (4) 6x12-inch compressive strength cylinders, break and report (1) at 7-days, (2) at 28-days. b. Remaining specimens(s) shall be broken as directed by the Structural Engineer if compressive strengths do not appear adequate. c. For each set molded, record: i. Slump ii. Air Content iii. Unit Weight iv. Temperature, ambient and concrete v. Batch and discharge times vi. Location and placement vii. Any pertinent information, such as addition of water, addition of admixtures, etc. d. Report in writing on the same day as tests are performed. Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, name of concrete testing agency, concrete design compressive strength, location of concrete placement in structure, concrete mix proportions and materials, compressive breaking strength and type of break. e. Verify compliance with construction documents.	C	ACI 318 26.5, 26.12 / IBC 1908.10 ASTM C172, ASTM C31
7. Inspection of concrete conveying and placement for proper application techniques.	C	ACI 318 26.5 / IBC 1908.6-1908.8
8. Inspection for maintenance of specified curing temperature and techniques.	P	ACI 318 26.5.3-26.5.5 / IBC 1908.9
9. Inspection of formwork for shape, location, and dimensions of the concrete member being formed.	P	ACI 318 26.11.1.2(b)
10. Perform testing of Floor Flatness and Levelness of concrete slab placements in accordance with ASTM E1155. See specifications.	P	ACI 117-10

NON-SHRINK GROUTING	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Compressive strength tests per ASTM C109.	C	
a. Number of Tests; One test for each ten bags of grout used or minimum of one test of each day of grouting. b. Cube Size: 2-inch x 2-inch c. Test Schedule: (1) cube at 30days, (2) cubes at 7-days, (3) cubes at 28-days.		
2. Perform one performance evaluation test prior placing grout under baseplates. Test shall be performed as outlined in ACI 351.1R-99	P	One test shall be performed at the beginning of the job prior to placement of grout under base plates.

CONCRETE MASONRY	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Prior to construction, verification of compliance of submittals.	Required	TMS 602 - Art. 1.4 B
2. Prior to construction, verification of f 'm	Required	TMS 602 - Art. 1.4 B
3. During construction, verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.	Required	TMS 602 - Art. 1.5 & 1.6.3
4. As masonry construction begins, verify that the following are in compliance:		
a. Proportions of site-prepared mortar	P	TMS 602 - Art. 2.1, 2.6 A, & 2.6 C
b. Grade, type and size of reinforcement, connectors, and anchor bolts	P	TMS 602 - Art. 3.4
c. Sample panel construction	P	TMS 602 - Art. 1.6 D
5. Prior to grouting, verify that the following are in compliance:		
a. Grout space	P	TMS 602 - Art. 3.2 D & 3.2 F
b. Placement of reinforcement, connectors, and anchor bolts	P	TMS 602 - Art. 3.2 E & 3.4 TMS 402 Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7
c. Proportions of site-prepared grout	P	TMS 602 - Art. 2.6 B
6. Verify compliance of the following during construction:		
a. Materials and procedures with the approved submittals	P	TMS 602 - Art. 1.5
b. Placement of masonry units and mortar joint construction	P	TMS 602 - Art. 3.3 B
c. Size and location of structural members	P	TMS 602 - Art. 3.3 F
d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	P	TMS 402 - Sec. 1.2.1(e), 6.2.1, & 6.3.1
e. Preparation, construction, and protection of masonry during cold weather (temperature below 40 deg. F) or hot weather (temperature above 90 deg. F)	P	TMS 602 - Art. 1.8 C & 1.8 D
f. Placement of grout is in compliance	C	TMS 602 - Art. 3.5
7. Observe preparation of grout specimens, mortar specimens, and/or prisms	P	TMS 602 - Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4B.2.c.3, 1.4 B.3, & 1.4 B.4

STRUCTURAL STEEL	INSPECTION FREQUENCY	REFERENCED STANDARD
Where the following tasks have been be performed by the fabricator's or erector's quality control program in accordance to Chapter N of AISC 360-10, it is permitted that these tasks be coordinated with the Special Inspector so that the inspection functions are performed by only one party. The Special Inspector shall review records of tasks performed by the erector's and fabricator's quality control program to verify completeness.	Obs. - Observe these items on a random basis. Operations need not be delayed pending these inspections. Perf. - Perform these tasks for each welded joint, bolted joint, or member.	
1. Inspection of steel framing to verify compliance with details shown on the approved construction documents including member locations, bracing, stiffening application of joint details at each connection, proper fasteners, etc.	Obs.	AISC 360-10 N5.7
2. Review the material test reports and certifications as listed below for compliance with the construction documents.	Perf.	AISC 360-10 N5.2 & N3.2
a. Main structural steel material test reports		
b. Anchor rods and threaded rods test reports		
3. Visual Inspection Tasks Prior to Welding		AISC 360-10 Table N5.4-1
a. Welding procedure specifications (WPSs) available	Perf.	AWS D1.1/D1.1M 6.3
b. Manufacturer certifications for welding consumables available.	Perf.	
c. Material identification (type/grade)	Obs.	AWS D1.1/D1.1M 6.2
d. Welder identification system. The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.	Obs.	AWS D1.1/D1.1M 6.4 (welder qualification) (identification system not required by AWS D1.1/D1.1M)
f. Fit-up of fillet welds	Obs.	
i. Dimensions (alignment, gaps at root)		AWS D1.1/D1.1M 5.22.1
ii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.15
iii. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.18
g. Check welding equipment	Obs.	Only required for shop Fabrication.
4. Visual Inspection Tasks During Welding		AISC 360-10 Table N5.4-2
a. Use of qualified welders	Obs.	AWS D1.1/D1.1M 6.4
b. Control and handling of welding consumables	Obs.	
i. Packaging		AWS D1.1/D1.1M 5.3.1
ii. Exposure control		AWS D1.1/D1.1M 5.3.2 (for SMAW), AWS D.1/D1.1M 5.3.3 (for SAW)
c. No welding over cracked tack welds	Obs.	D1.1/D1.1M 5.18 (for SAW)
d. Environmental conditions	Obs.	
i. Wind speed within limits		AWS D1.1/D1.1M 5.12.1
ii. Precipitation and temperature		AWS D1.1/D1.1M 5.12.2
e. WPS followed i. Setting on welding equipment ii. Travel speed iii. Selected welding materials iv. Shielding gas type/flow rate v. Preheat applied vi. Interpass temperature maintained (min./max.)	Obs.	AWS D1.1/D1.1M 6.3.3, 6.5.2, 5.5, 5.21
vii. Proper position (F, V, H, OH)		AWS D1.1/D1.1M 5.6, 5.7
f. Welding techniques i. Interpass and final cleaning ii. Each pass within profile limitations iii. Each pass meets quality requirements	Obs.	AWS D1.1/D1.1M 6.5.2, 6.5.3, 5.24 AWS D1.1/D1.1M 5.30.1
5. Visual Inspection Tasks After Welding		AISC 360-10 Table N5.4-3
a. Welds Cleaned	Obs.	AWS D1.1/D1.1M 5.30.1
b. Size, length and location of welds	Perf.	AWS D1.1/D1.1M 6.5.1
c. Welds meet visual acceptance criteria	Perf.	AWS D1.1/D1.1M 6.5.3
i. Crack prohibition		AWS D1.1/D1.1M Table 6.1(1)
ii. Weld/base-metal fusion		AWS D1.1/D1.1M Table 6.1(2)
iii. Crater cross section		AWS D1.1/D1.1M Table 6.1(3)
iv. Weld profiles		AWS D1.1/D1.1M Table 6.1(4), 5.24
v. Weld size		AWS D1.1/D1.1M Table 6.1(6)
vi. Undercut		AWS D1.1/D1.1M Table 6.1(7)
vii. Porosity		AWS D1.1/D1.1M Table 6.1(8)
d. Arc strikes	Perf.	AWS D1.1/D1.1M 5.29
e. Repair activities	Perf.	AWS D1.1/D1.1M 6.5.3, 5.26
f. Document acceptance or rejection of welded joint or member	Perf.	AWS D1.1/D1.1M 6.5.4, 6.5.5
g. No prohibited welds have been added without the approval of the EOR.	Obs.	
6. Inspection Tasks Prior to Bolting	Perform for 10% of all Snug tight joints if task is applicable and all pretension and slip critical joints. AISC 360-10 Table N5.6-1	
a. Manufacturer's certifications available for fastener materials	Perf.	RCSC 2.1 & 9.1
b. Fasteners marked in accordance with ASTM requirements	Perf.	RCSC Figure C-2.1 & 9.1 (Also See ASTM Standards)
c. Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	Obs.	RCSC 2.3.2, 2.7.2 & 9.1
d. Correct bolting procedure selected for joint detail	Obs.	RCSC 4, & 8
e. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	Obs.	RCSC 3, 9.4 & 9.3
f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used, not required for Snug tight bolts	Obs.	RCSC 7 & 9.2
g. Proper storage provided for bolts, nuts, washers and other fastener components	Obs.	RCSC 2.2,8 & 9.1
7. Inspection Tasks During Bolting	Perform for 10% of all Snug tight joints if task is applicable and all pretension and slip critical joints. Special Inspector need not be present during bolt pretensioning procedures. AISC 360-10 Table N5.6-2	
a. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	Obs.	RCSC 8.1 & 9.1
b. Joint brought to the snug-tight condition prior to the pretensioning operation	Obs.	RCSC 8.1 & 9.1
c. Fastener component not turned by the wrench prevented from rotating	Obs.	RCSC 8.2 & 9.2
d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	Obs.	RCSC 8.2 & 9.2
8. Inspection Tasks After Bolting		AISC 360-10 Table N5.6-3
a. Document acceptance or rejection of bolted connections	Perf.	

STEEL JOISTS	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Visual inspection of bolted and welded connections.	P	
2. Verify installation of bridging or braces.	P	
3. Verify connections for top and bottom chords.	P	
4. Verify reinforcement of members for concentrated loads.	P	
5. Verify proper bearing.	P	

STEEL DECK	INSPECTION FREQUENCY	REFERENCED STANDARD
	Obs. - Observe these items on an random basis. Operations need not be delayed pending these inspections. Perf. - Perform these tasks for each item or element.	
1. Material verification of steel deck and deck accessories	Perf.	
a. Identification markings to conform to ASTM standards specified in the approved construction documents		SDI QA/QC Table 1.1A
b. Verify profile, material properties, and base metal thickness		SDI QA/QC Table 1.1A
c. Manufacturer's certified test reports		SDI QA/QC Table 1.2B
d. Document acceptance or rejection of deck and deck accessories		SDI QA/QC Table 1.1B
2. Verify general alignment and deck lap	Perf.	SDI QA/QC Table 1.2A
a. Document acceptance or rejection of installation of deck and deck accessories		SDI QA/QC Table 1.2C
3. Visual Inspection Tasks Prior to Welding	Obs.	
a. Welding procedure specifications (WPSs) available		SDI QA/QC Table 1.3A
b. Manufacturer certifications for welding consumables available.		SDI QA/QC Table 1.3B
c. Material identification (type/grade)		SDI QA/QC Table 1.3C
d. Check welding equipment		SDI QA/QC Table 1.3D
4. Visual Inspection Tasks During Welding	Obs.	
a. Use of qualified welders		SDI QA/QC Table 1.4A
b. Control and handling of welding consumables		SDI QA/QC Table 1.4B
c. Environmental conditions		SDI QA/QC Table 1.4C
i. Wind speed within limits		
ii. Precipitation and temperature		
d. WPS followed		SDI QA/QC Table 1.4D
5. Visual Inspection Tasks After Welding	Perf.	
a. Size and location of welds, including support, sidelap, and perimeter welds		SDI QA/QC Table 1.5A
b. Welds meet visual acceptance criteria		SDI QA/QC Table 1.5B
c. Repair activities		SDI QA/QC Table 1.5C
d. Document acceptance or rejection of welds		SDI QA/QC Table 1.5D
6. Inspection Tasks Prior to Mechanical Fastening	Obs.	
a. Manufacturer installation instructions available for mechanical fasteners		SDI QA/QC Table 1.6A
b. Proper tools available for fastener installation		SDI QA/QC Table 1.6B
c. Proper storage provided for mechanical fasteners		SDI QA/QC Table 1.6C
7. Inspection Tasks During Mechanical Fastening	Obs.	
a. Fasteners are positioned as required		SDI QA/QC Table 1.7A
b. Fasteners are installed in accordance with manufacturer's instructions		SDI QA/QC Table 1.7B
8. Inspection Tasks After Mechanical Fastening	Perf.	
a. Spacing, type, and installation of support fasteners		SDI QA/QC Table 1.8A
b. Spacing, type, and installation of sidelap fasteners		SDI QA/QC Table 1.8B
c. Spacing, type, and installation of perimeter fasteners		SDI QA/QC Table 1.8C
d. Repair activities		SDI QA/QC Table 1.8D
e. Document acceptance or rejection of mechanical fasteners		SDI QA/QC Table 1.8E
9. Verify installation of deck closures.	Perf.	

CONTRACTOR RESPONSIBILITIES

1. Contractor shall pay for any additional structural testing/inspection required for work or materials not complying with the Construction Documents due to negligence or nonconformance and shall pay for any additional structural testing/inspection required for his convenience.
2. Contractor is responsible to ensure that the Special Inspector is on site as required to perform all tasks required by Statement of Special Inspection. Any work that requires special inspection and is performed without the Special Inspector being present is subject to being demolished and reconstructed.
3. Contractor has the following responsibilities to the Special Inspector:
   a. Provide copy of Construction Documents to Special Inspector and latest addenda (include change orders and field orders prior to inspection of work contained therein).
   b. Notify Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests.
   c. Cooperate with Special Inspector and provide access to work.
   d. Provide samples of materials to be tested in required quantities.
   e. Provide storage space for Special Inspector's exclusive use, such as for storing and curing concrete testing samples.
   f. Provide labor to assist Special Inspector in performing tests/inspections.
4. Contractor shall perform the following:
   a. SOILS
      i. Identify soils to be used as structural fill.
   b. CAST-IN-PLACE CONCRETE
      i. Submit manufacturer's certification that reinforcing materials comply with Construction Documents.
      ii. Establish concrete mix design proportions in accordance with the specifications and ACI 318, Chapter 26.
      iii. Submit manufacturer's certification that concrete materials meet the requirements of the Construction Documents.
      iv. Submit manufacturer's data for tension and compression splicers.
   c. NON-SHRINK GROUTING
      i. Submit product data sheets for non-shrink grout that shows compliance with the Construction Documents and with ASTM C1107 for fluid or flowable grouts, prior to placement of grout.
   d. CONCRETE MASONRY
      i. Submit a certification from each manufacturer or supplier stating that the following materials comply with the Construction Documents:
         1. Concrete masonry units.
         2. Mortar materials: Portland cement, hydrated lime, and aggregates.
         3. Grout materials: Portland cement and aggregates.
         4. Joint reinforcement steel.
         5. Reinforcing steel.
   e. STRUCTURAL STEEL
      i. If fabricator or erector is not AISC certified, the fabricator and/or erector shall establish and maintain quality control procedures and perform inspections to ensure that their work is performed in accordance with the Section N of the Specification for Structural Steel Building, AISC 360-10 and the construction documents. Payment of these Quality control tests and inspections, except for all NDT of welds completed in the field by the Special Inspector, shall be by the fabricator and Erector.
         1. Make available the documents listed in AISC 360-10 N3.2 in electronic or printed form for review by the EOR of the EOR's Designee prior to fabrication or erection unless otherwise required by the contract documents to be submitted.
      ii. If fabricator and erector are certified by the American Institute of Steel Construction (AISC) Quality Certification Program for Structural Steel Buildings submit certification.
         1. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the Building Official stating that the materials supplied and work performed by the fabricator are in accordance with the construction documents.
         2. At completion of erection, the approved erector shall submit a certificate of compliance to the Building Official stating that the materials supplied and work performed by the erector are in accordance with the construction documents.
      iii. Provide non-destructive test (NDT) reports performed in shop by fabricator. Fabricator is responsible for cost of NDT performed in shop. Reports shall identify the tested weld by piece mark and location in the piece.
   f. POST-INSTALLED ANCHORS
      i. Contractor shall contact manufacturer's representative for product installation training. Submit a letter indicating that training has taken place.
   g. STEEL JOISTS
      i. Submit manufacturer's certificate of compliance that the steel joists comply with the Construction Documents.
   h. STEEL DECK
      i. Submit manufacturer's certificate of compliance that the supplied steel deck complies with the Construction Documents.

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SDG Project No. 2022-039.00

STRUCTURAL QUALITY ASSURANCE PLAN
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M,E,&P Engineer:
Staggs & Fisher
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BG# 22-207

Project No: 2148
Drawn By: CCA
Rev'd By: CH / DH

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STRUCTURAL QUALITY ASSURANCE PLAN
DATE ISSUED:
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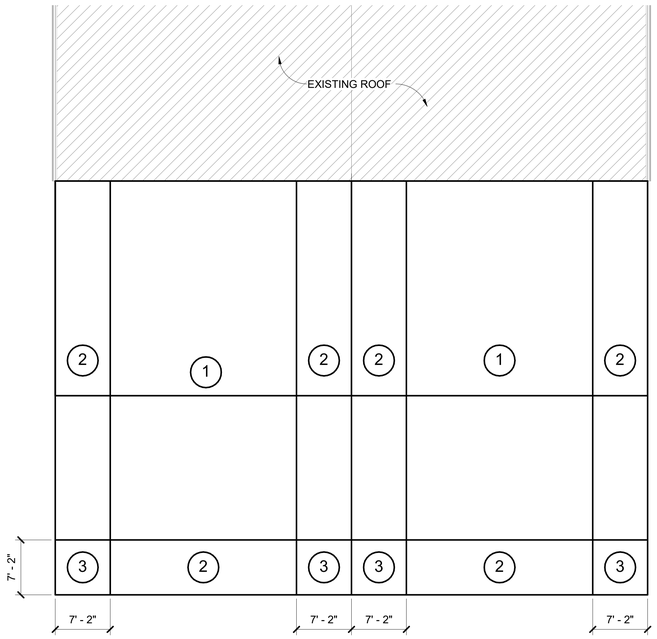
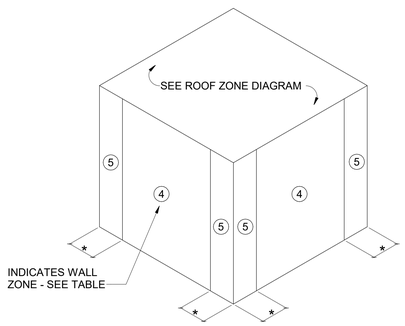
WIND PRESSURE DIAGRAM





WALL ZONE DIAGRAM

* : SEE PLAN

WIND PRESSURE DIAGRAM NOTES:

1. DESIGN WIND PRESSURES WERE CALCULATED IN ACCORDANCE WITH ASCE 7-10 BASED ON AN EFFECTIVE WIND AREA AND WITH Kd= 0.85. MULTIPLY BY 0.6 FOR ASD.
2. ROOF UPLIFT WIND PRESSURES IN ZONES 1, 2, AND 3 ARE GROSS UPLIFT VALUES. NET UPLIFT PRESSURES SHALL BE CONSIDERED EQUAL TO GROSS PRESSURES.
3. TABULATED WIND PRESSURES SHALL BE USED IN THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS. INTERPRETATION AND APPLICATION OF THESE PRESSURES TO SPECIFIC PORTIONS OF THE BUILDING AREAS SHALL BE THE RESPONSIBILITY OF THE EXTERIOR COMPONENT AND CLADDING MATERIAL SUPPLIER.

EXTERIOR WALL PRESSURES

AREA (SQ. FT)	ZONE 4 (PSF)	ZONE 5 (PSF)
10	+32.5 / -35.3	+32.5 / -43.5
50	+29.1 / -31.9	+29.1 / -36.7
100	+27.7 / -30.4	+27.7 / -33.8
200	+26.2 / -28.9	+26.2 / -30.9
≥500	+24.3 / -27	+24.3 / -27

ROOF UPLIFT PRESSURES

AREA (SQ. FT)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)
10	-29.8	-51.8	-51.8
20	-28.9	-47.7	-47.7
50	-27.8	-42.2	-42.2
100	-27.0	-38.0	-38.0
200	-27.0	-38.0	-38.0
≥500	-27.0	-38.0	-38.0

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WIND PRESSURE DIAGRAM
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
FOR:
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IRVINE, KENTUCKY

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WIND PRESSURE DIAGRAM

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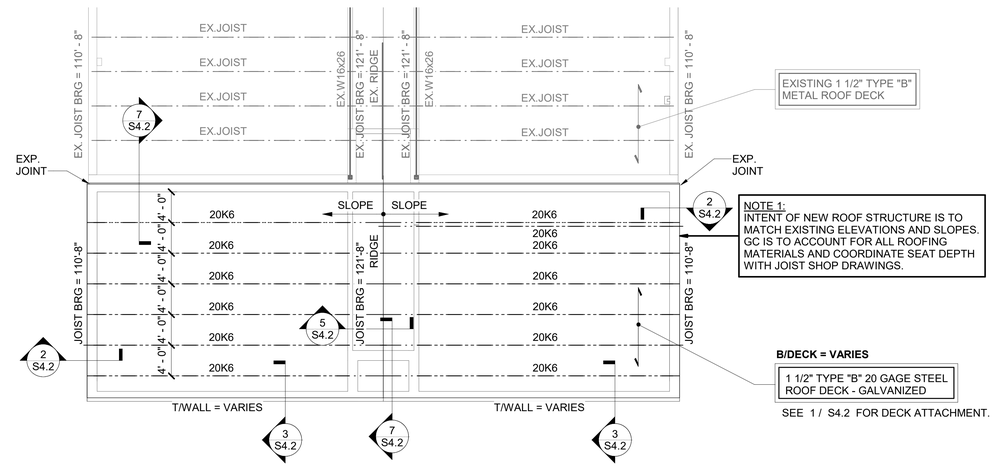
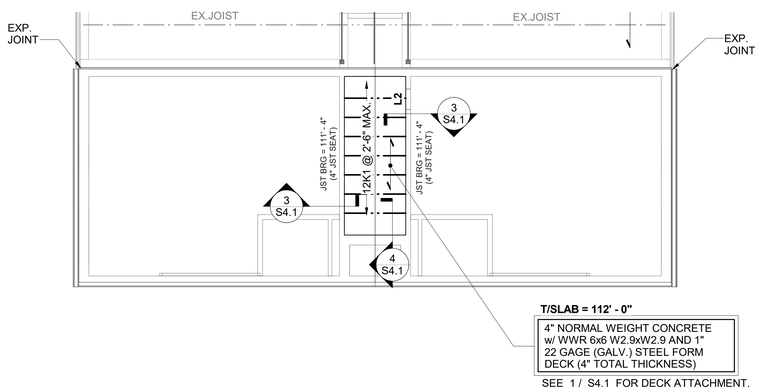


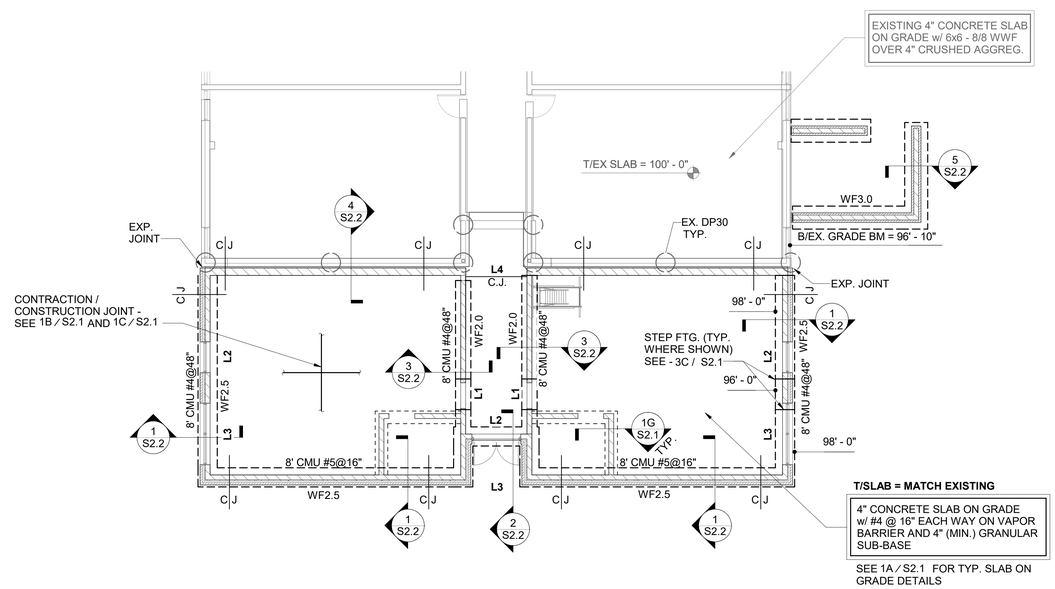
ROOF FRAMING PLAN

1/8" = 1'-0"



MECHANICAL MEZZANINE FRAMING PLAN

1/8" = 1'-0"

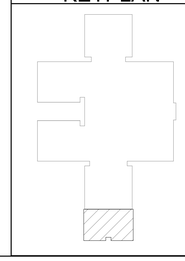


FOUNDATION PLAN

1/8" = 1'-0"

WALL FOOTING SCHEDULE				
MARK	SIZE	REINFORCING		REMARKS
	WIDTH & DEPTH	CONTINUOUS	TRANSVERSE	
WF2.0	2'-0" x 1'-3"	3 - #5	#4 @ 24"	----------
WF2.5	2'-6" x 1'-3"	3 - #5	#4 @ 24"	----------

KEYPLAN



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FOUNDATION AND FRAMING PLANS

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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Rev'd By:	CH / DH

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FOUNDATION AND FRAMING PLANS
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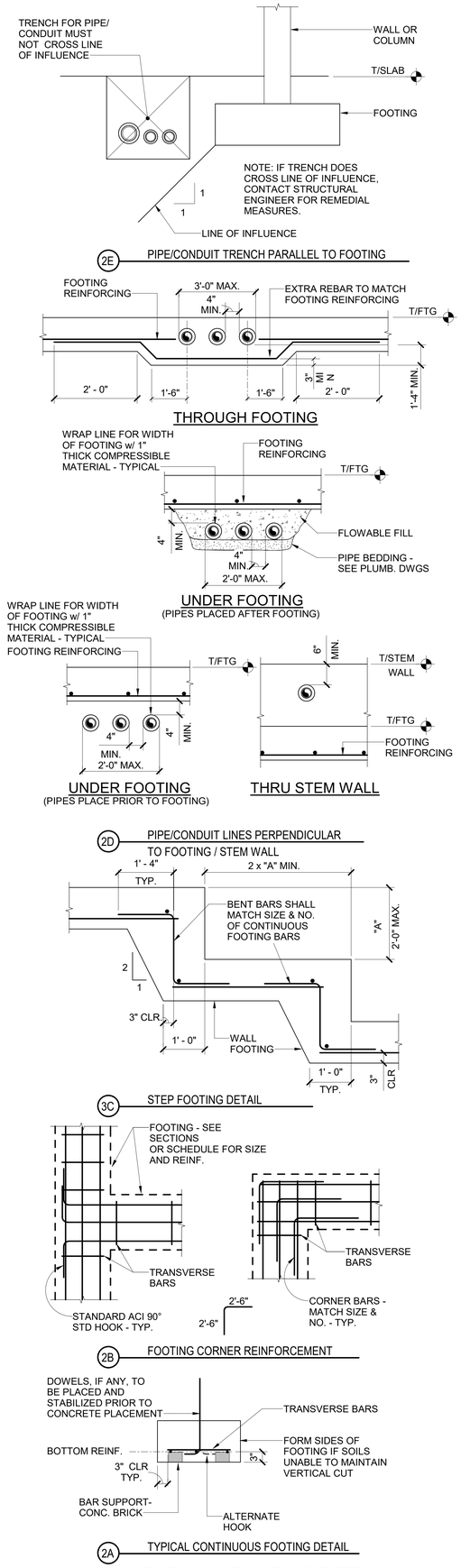
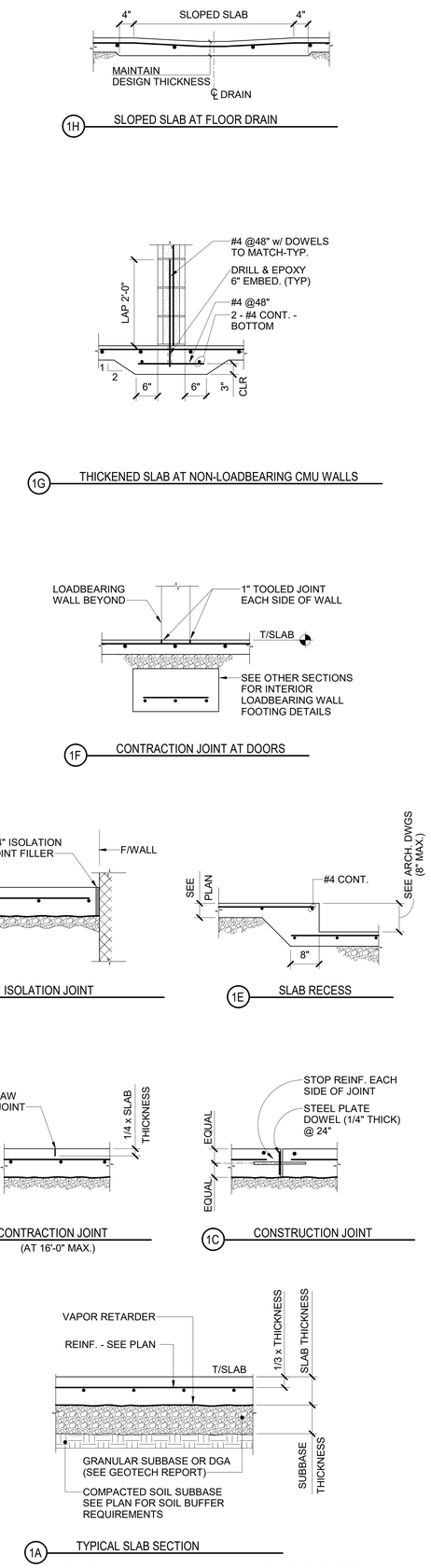


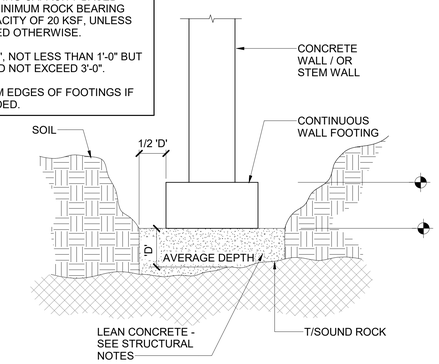
2 TYPICAL FOOTING DETAILS



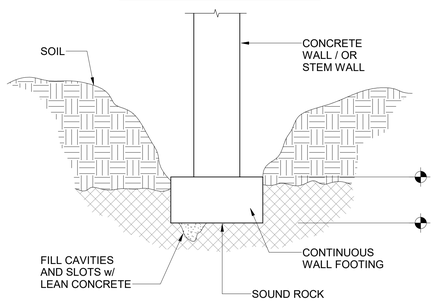
1 TYPICAL SLAB-ON-GRADE DETAILS

NOTES:

1. FOOTING CAPACITY BASED ON MINIMUM ROCK BEARING CAPACITY OF 20 KSF, UNLESS NOTED OTHERWISE.
2. 1/2 'D', NOT LESS THAN 1'-0" BUT NEED NOT EXCEED 3'-0".
3. FORM EDGES OF FOOTINGS IF NEEDED.



DESIGN BOTTOM WALL FOOTING
ELEVATION ABOVE ROCK



DESIGN BOTTOM WALL FOOTING
ELEVATION IN ROCK

3 TYPICAL WALL FOOTING DETAILS
BEARING ON ROCK

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FOUNDATION SECTIONS AND DETAILS
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FOR:
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FOUNDATION SECTIONS AND DETAILS
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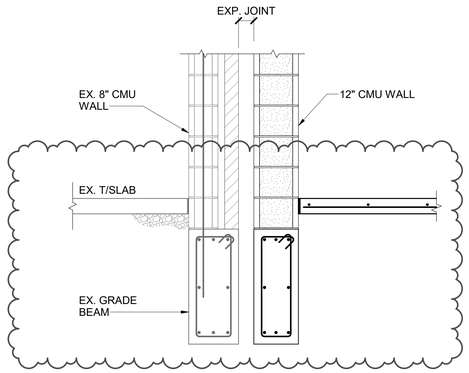
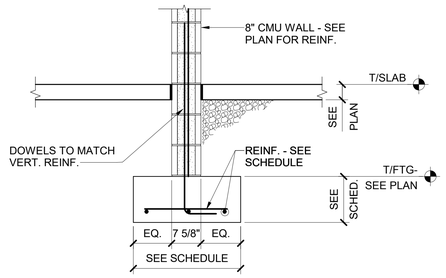
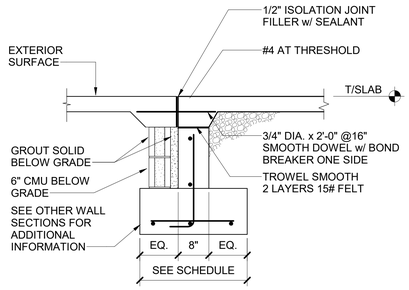


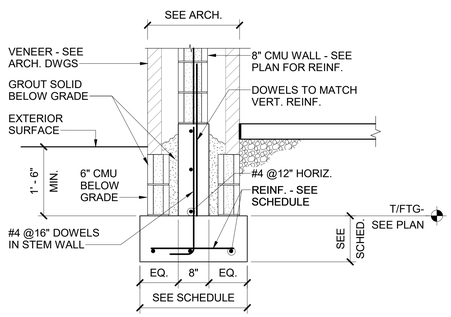
4 SECTION AT EXISTING



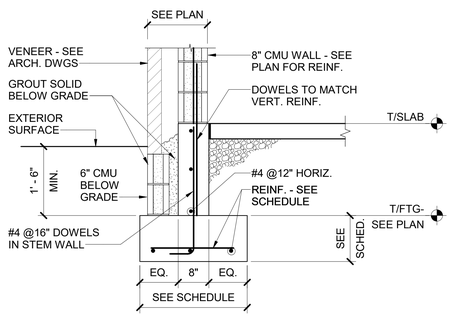
3 SECTION



2 SECTION AT DOOR AT 8" CMU WALL



5 SECTION



1 SECTION AT EXTERIOR AT LOADBEARING WALL

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SDG Project No. 2022-107.00

FOUNDATION SECTIONS AND DETAILS

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION

FOR:

ESTILL COUNTY BOARD OF EDUCATION

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FOUNDATION SECTIONS AND DETAILS

DATE ISSUED:
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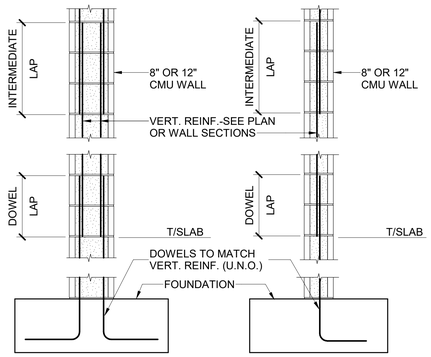
CMU LAP SPLICE SCHEDULE						
BAR SIZE	LAP LENGTH					
	DOWEL		INTERMEDIATE			
			8" CMU		12" CMU	
	C	F	C	F	C	F
#4	16"	16"	16"	16"	16"	16"
#5	16"	24"	24"	24"	24"	24"
#6	24"	48"	40"	48"	26"	48"
#7	24"	60"	54"	60"	36"	60"
#8	32"	90"	80"	90"	52"	90"
#9	32"	114"	104"	114"	64"	114"

NOTE:
C = BAR LAP FOR CENTERED REINF.
F = BAR LAP FOR FACE REINF.

F'm = 2,000 psi (MINIMUM)

ENGINEER NOTE: CHECK DOWEL AND LAP REQUIREMENTS IF WALL IS SHEARWALL

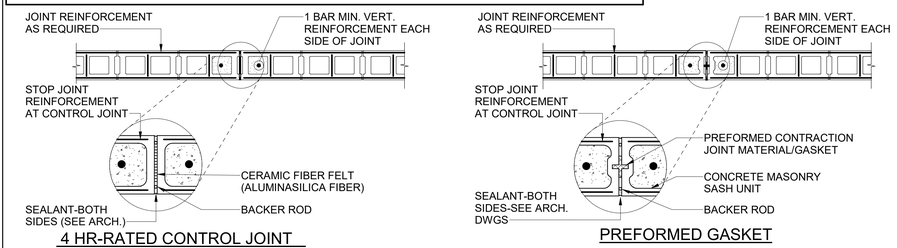


REINF. IN FACE "F" OF WALL

REINF. CENTERED "C" IN WALL

8 CMU REINFORCEMENT LAP SPLICE SCHEDULE

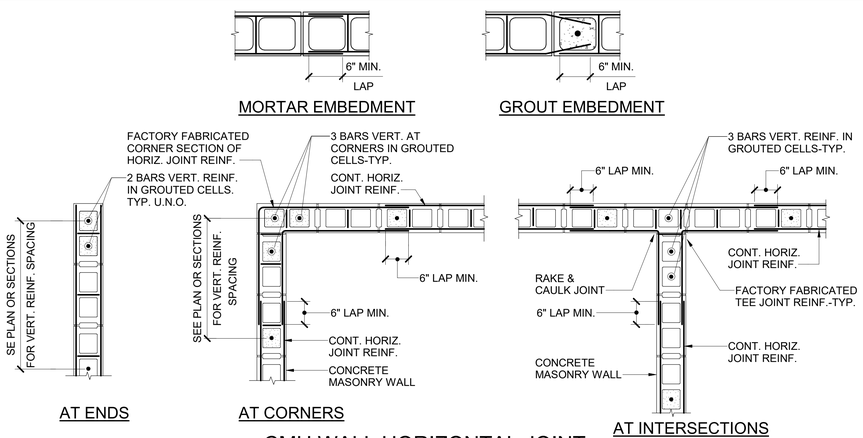
NOTE:
1. SEE PLANS FOR LOCATION OF CONTRACTION JOINTS AND STRUCTURAL NOTES FOR MAX. SPACING.
2. LOCATE CONTRACTION JOINTS 2'-0" MINIMUM FROM SIDES OF OPENINGS.
3. CJ (CMU CONTRACTION JOINT) SHOWN ON PLANS INDICATES APPROXIMATE LOCATIONS OF CONTRACTION JOINTS. LOCATIONS ARE INTENDED TO COINCIDE WITH CMU COURSING. COORDINATE LOCATION OF JOINTS WITH ARCH. DWGS. SEE ARCH. DWGS FOR LOCATIONS OF BRICK JOINTS.
4. COORDINATE LOCATIONS w/ARCH. DWGS.
5. DO NOT CONSTRUCT CONTRACTION JOINT THROUGH BOND BEAM.



4 HR-RATED CONTROL JOINT (IF NEEDED)

PREFORMED GASKET

7 CMU WALL CONTRACTION/CONTROL JOINT DETAIL



MORTAR EMBEDMENT

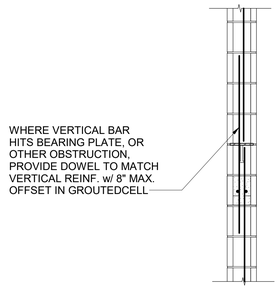
GROUT EMBEDMENT

AT ENDS

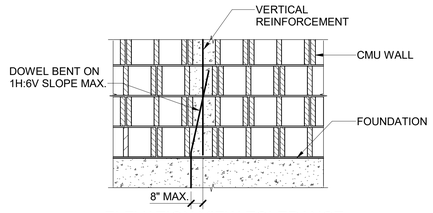
AT CORNERS

AT INTERSECTIONS

6 CMU WALL HORIZONTAL JOINT REINFORCEMENT DETAIL

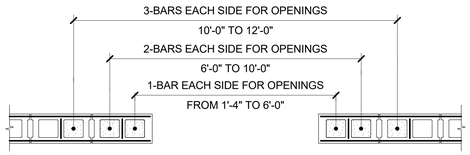


5 NON-CONTACT LAP SPLICE DETAIL



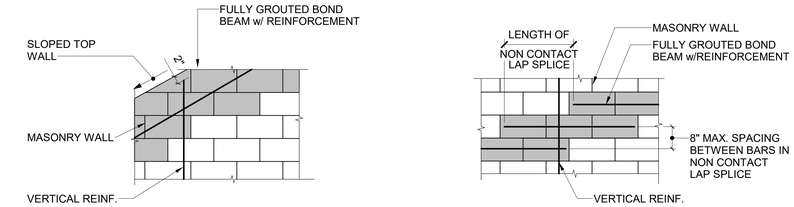
ELEVATION VIEW TOLERANCE

4 DOWEL-PERMITTED BENDING DETAIL



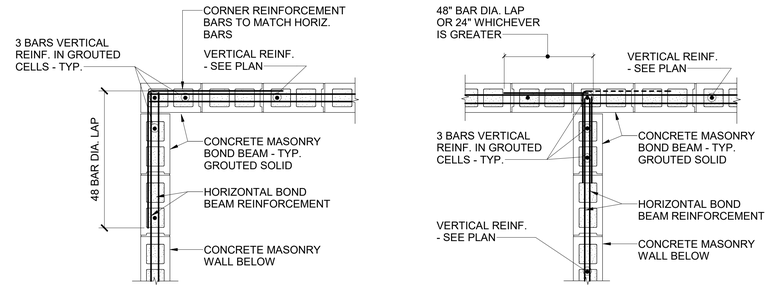
SEE PLAN OR SECTIONS FOR VERTICAL WALL REINFORCEMENT

3 CMU WALL OPENING DETAIL



SLOPED BOND BEAM

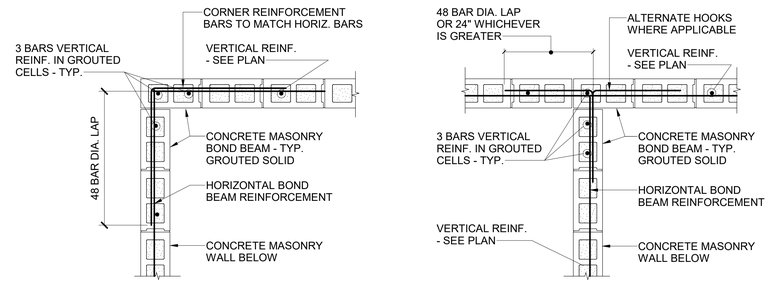
STEPPED BOND BEAM



AT CORNERS

AT INTERSECTIONS

DOUBLE ROW REINFORCEMENT

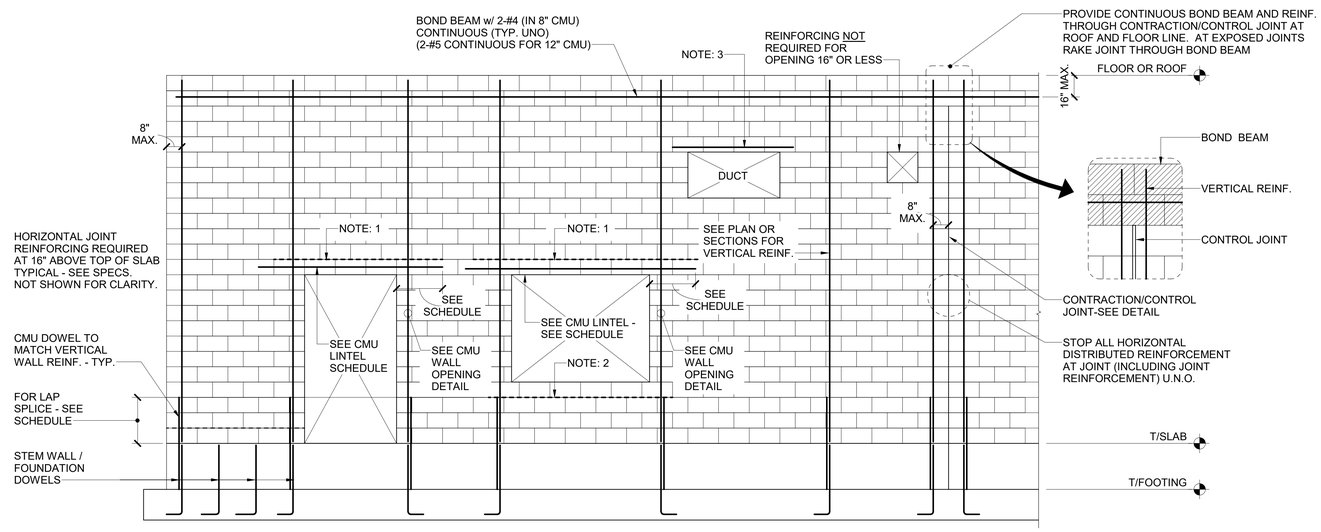


AT CORNERS

AT INTERSECTIONS

SINGLE ROW REINFORCEMENT

2 CMU BOND BEAM DETAILS



NOTE:
1. ADD HORIZONTAL JOINT REINFORCEMENT ABOVE LINTEL. EXTEND 4'-0" EACH SIDE OF OPENING.
2. ADD HORIZONTAL JOINT REINFORCEMENT BELOW CMU SILL. EXTEND 4'-0" EACH SIDE OF OPENING.
3. FOR MECHANICAL/PLUMBING PENETRATIONS, PROVIDE LINTEL OVER CMU OPENING PER UNMARKED CMU LINTEL SCHEDULE.

1 TYPICAL CMU WALL REINFORCING ELEVATION

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

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MASONRY SECTIONS AND DETAILS

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION

FOR:

ESTILL COUNTY BOARD OF EDUCATION

IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
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BG# 22-207

Project No: 2148
Drawn By: CCA
Rev'd By: CH / DH

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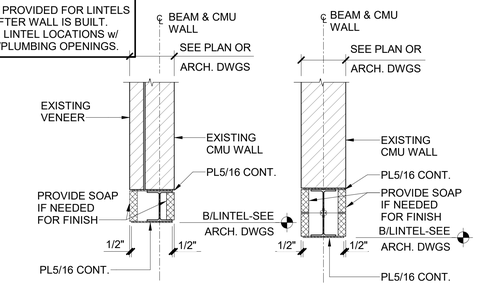
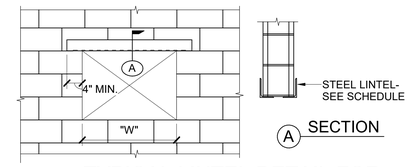
MASONRY SECTIONS AND DETAILS
DATE ISSUED:
MAY 16, 2022

NOTE:
DETAILS ARE PROVIDED FOR LINTELS INSTALLED AFTER WALL IS BUILT. COORDINATE LINTEL LOCATIONS w/ MECH./ELEC./PLUMBING OPENINGS.



WIDTH OF OPENING "W"	STEEL LINTEL
TO 1'-0"	NONE
1'-1" TO 3'-4"	L5x3x5/16 (LLV) BOTH SIDES
OVER 3'-4" TO 6'-0"	USE BEAM - W8x24

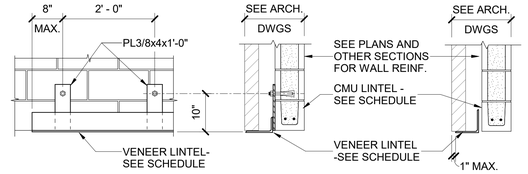
NOTE:
IF LINTEL IS EXPOSED TO VIEW, USE BEAM IN LIEU OF ANGLE.



3 TYPICAL LINTEL DETAIL FOR OPENING IN EXISTING CMU WALL

VENEER LINTEL SCHEDULE WITH CMU		
OPENING WIDTH	**ANGLE SIZE**	**REMARKS**
0'-0" TO 4'-0"	L5x3 1/2x 5/16 (LLH)	LOOSE
4'-1" TO 8'-0"	L5x5x 5/16	LOOSE
OVER 8'-0"	L7x4x 5/16	BOLTED w/ 5/8" DIA. SCREW ANCHORS @ 2'-0" (5" EMBED)

NOTE: 8" MIN. BEARING EACH END-TYP.
STEEL EXPOSED TO ELEMENTS SHALL BE GALVANIZED.



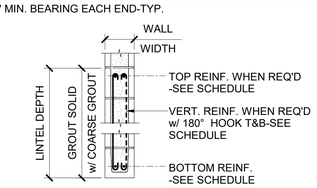
2 VENEER LINTEL SCHEDULE WITH CMU

MARKED "LX" CMU LINTEL SCHEDULE						
MARK	WALL THICK'S	LINTEL DEPTH	REINFORCEMENT			
			BOTTOM	TOP	VERTICAL	BEARING AND LENGTH
L1	8	8	2-#5	-	-	8"
L2	8	16	2-#5	-	-	8"
L3	8	24	2-#5	-	-	16"

NOTE:
1. FILL CMU CORES AT LINTEL BEARING w/ 2500 psi COARSE GROUT. REINFORCE JAMBS w/ FULL HEIGHT REINFORCING PER CMU WALL OPENING DETAIL.

UNMARKED CMU LINTEL SCHEDULE			
WALL OPENING	LINTEL DEPTH	REINFORCING	BEARING AND LENGTH
UP TO 4'-0"	8"	2-#4 BOTTOM	8"
4'-1" TO 6'-0"	8"	2-#5 BOTTOM	8"
6'-1" TO 8'-0"	16"	2-#5 BOTTOM	16"
8'-1" TO 10'-0"	16"	2-#6 BOTTOM	16"

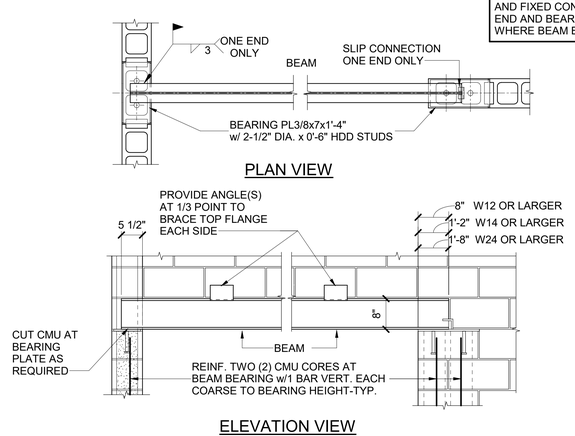
NOTE: 8" MIN. BEARING EACH END-TYP.



SECTION

1 CMU LINTEL SCHEDULES AND DETAILS

NOTE:
IF BEAM BEARS ON MASONRY WALL EACH END, PROVIDE SLIP CONNECTION AT ONE END AND FIXED CONNECTION AT OTHER END. IF BEAM FRAMES TO STEEL COLUMN ON ONE END AND BEARS ON MASONRY AT OTHER END, PROVIDE SLIP CONNECTION AT END WHERE BEAM BEARS ON MASONRY.



4 TYPICAL STEEL BEAM BEARING ON CMU WALL

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

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SDG Project No. 2022-057.00

MASONRY SECTIONS AND DETAILS
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

Project No:	2148
Drawn By:	CCA
Rev'd By:	CH / DH

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MASONRY SECTIONS AND DETAILS
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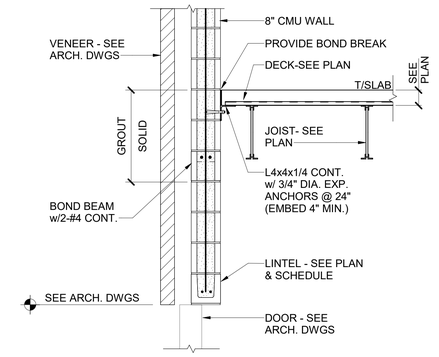
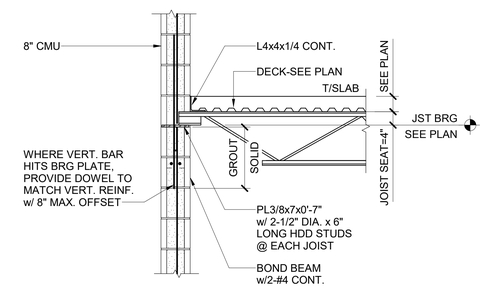
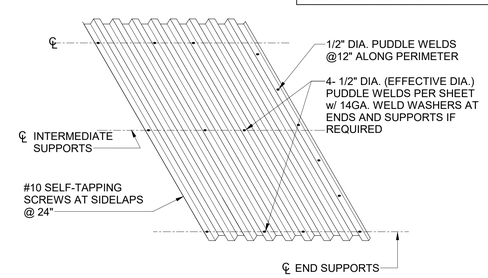


4 SECTION AT MEZZANINE

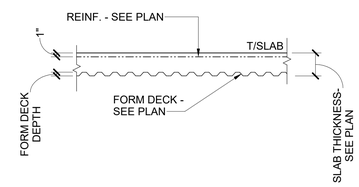


3 SECTION AT MEZZANINE

NOTE:
#12 - 24 SELF-TAPPING SCREW MAY BE SUBSTITUTED FOR 1/2" DIA. PUDDLE WELD. USE SAME SPACING.



1" FORM DECK ATTACHMENT DETAIL
(GALVANIZED)



1 NON-COMPOSITE STEEL FORM DECK

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

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SDG Project No. 2022-107.00

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ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
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IRVINE, KENTUCKY

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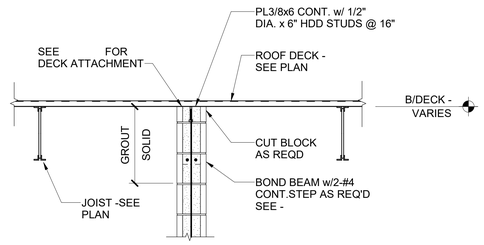
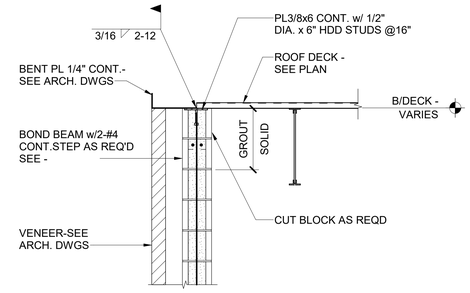
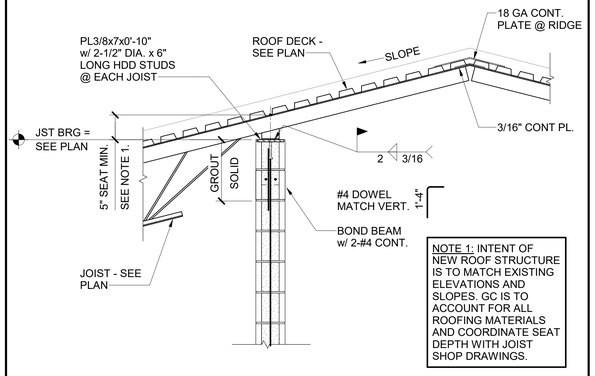


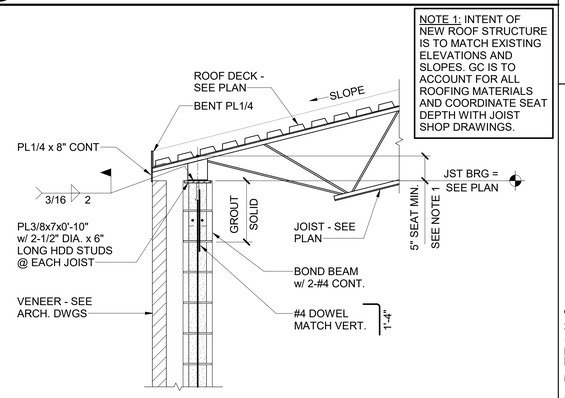
6 SECTION



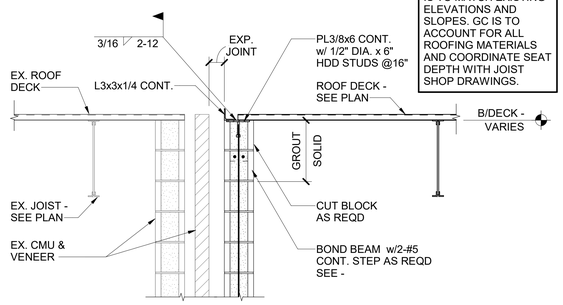
3 SECTION



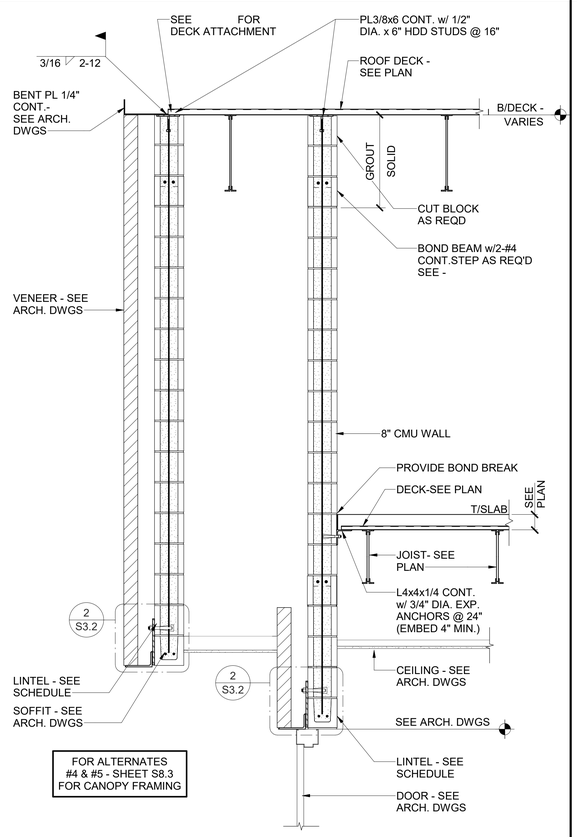
5 SECTION



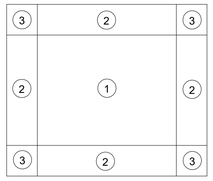
2 SECTION



7 SECTION



4 SECTION



ROOF PLAN

ZONE LEGEND

1 INTERIOR ZONE

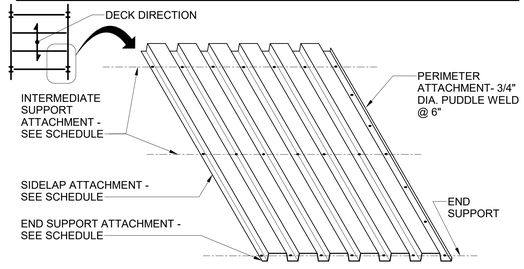
2 PERIMETER ZONE

3 CORNER ZONE

NOTE:
SEE WIND PRESSURE DIAGRAMS FOR DETAILED INFORMATION ON WIND ZONE LOCATIONS

ROOF DECK ATTACHMENT SCHEDULE

ZONE	SIDELAP	INTERMEDIATE SUPPORT	END SUPPORT
1	#10 SELF-TAPPING SCREWS @ 12"	36/4 PATTERN w/ 3/4" DIA. PUDDLE WELDS	————
2	#10 SELF-TAPPING SCREWS @ 12"	36/4 PATTERN w/ 3/4" DIA. PUDDLE WELDS	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS
3	#10 SELF-TAPPING SCREWS @ 12"	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS



GALVANIZED

1 ROOF DECK ATTACHMENT DETAIL
1 1/2" TYPE B DECK

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SDG Project No: 2022-CO.100

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ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-221

Project No:	21x4
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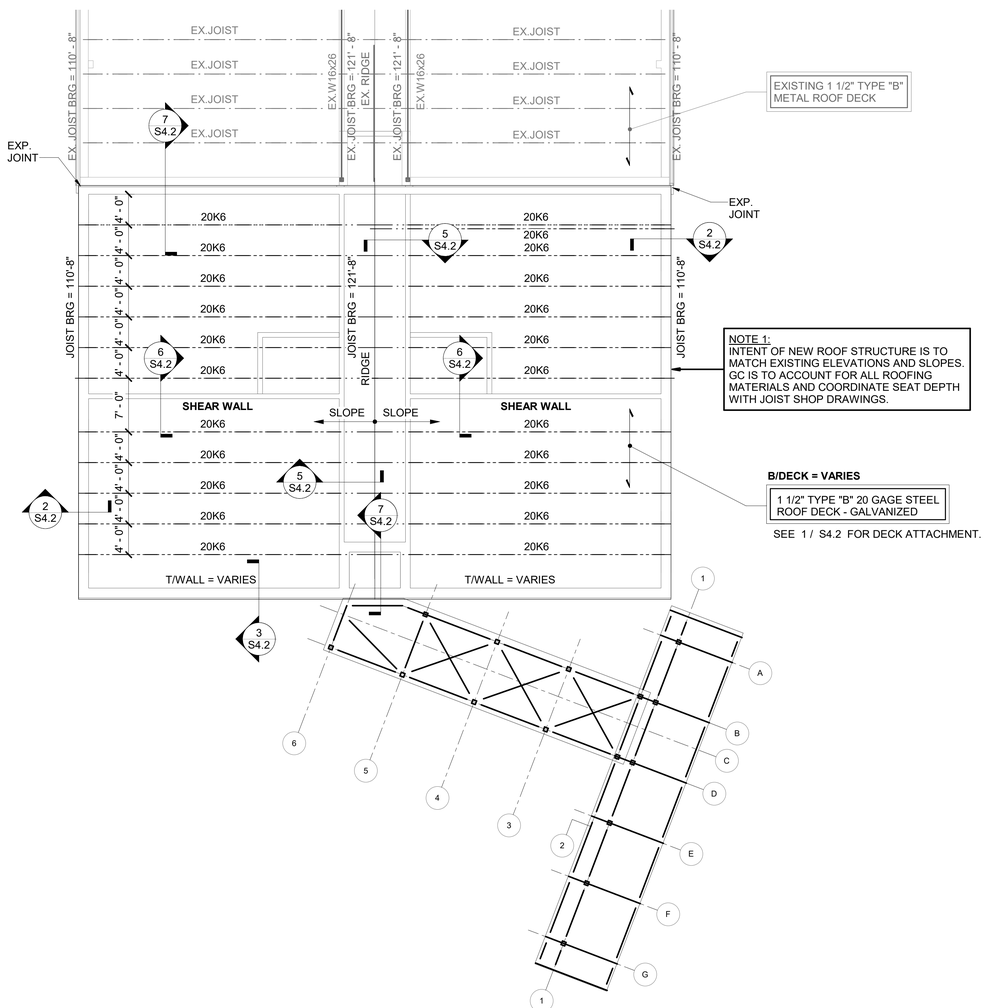
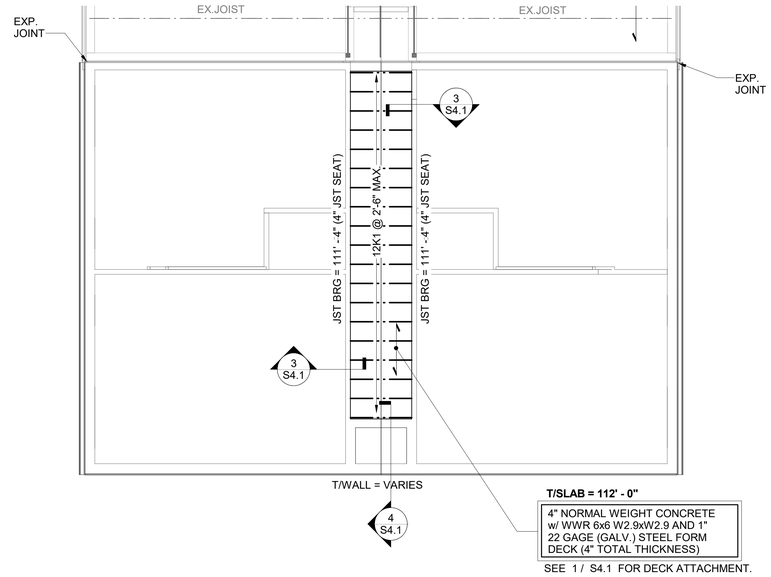


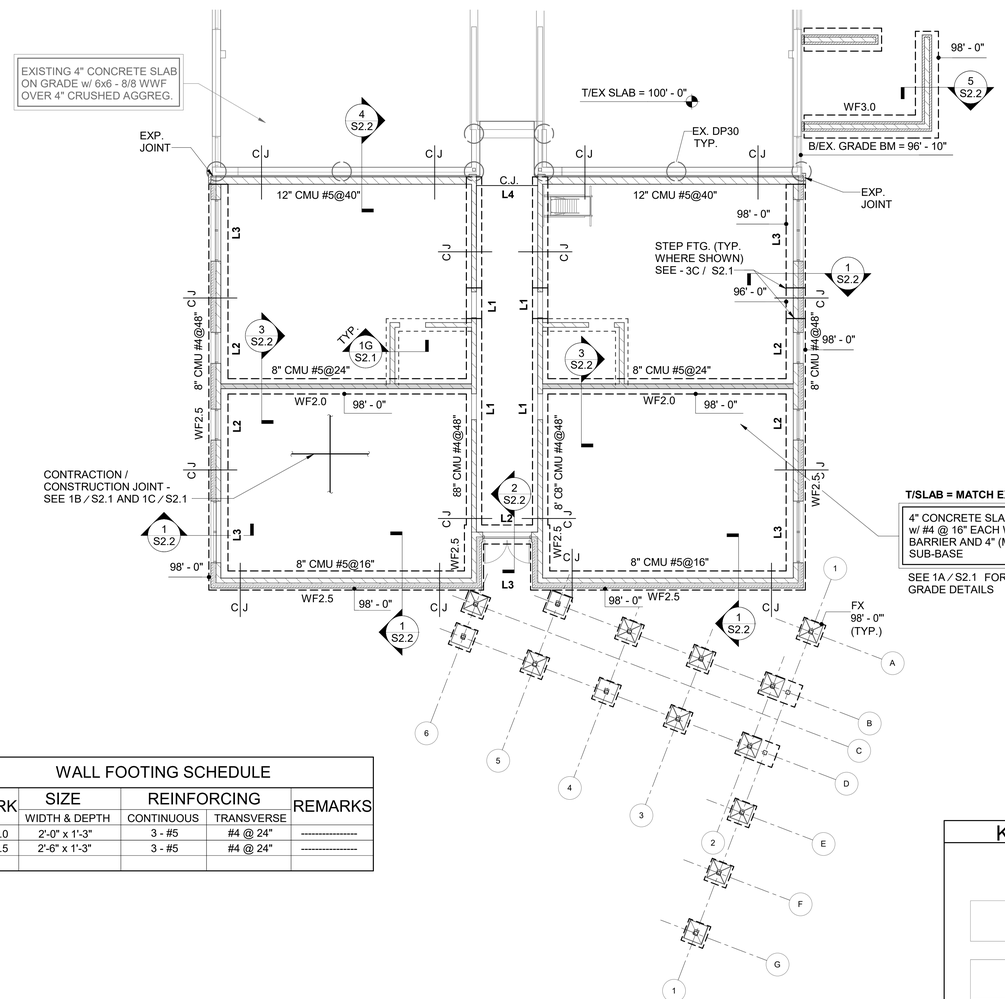
ROOF FRAMING PLAN - ALTERNATE #4

1/8" = 1'-0"



MECHANICAL MEZZANINE FRAMING PLAN - ALTERNATE #4

1/8" = 1'-0"

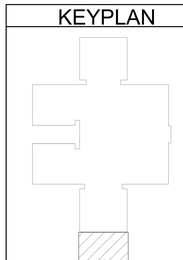


FOUNDATION PLAN - ALTERNATE #4

1/8" = 1'-0"

WALL FOOTING SCHEDULE				
MARK	SIZE	REINFORCING		REMARKS
	WIDTH & DEPTH	CONTINUOUS	TRANSVERSE	
WF2.0	2'-0" x 1'-3"	3 - #5	#4 @ 24"	----------
WF2.5	2'-6" x 1'-3"	3 - #5	#4 @ 24"	----------

KEYPLAN



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Structural Design Group
220 Great Circle Rd. Suite 106
Nashville, Tennessee 37228
p 615.255.5537
f 615.255.5539
SDG Project No. 2022-107.00

ALTERNATE #4 PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3244 Lochness Dr.
Lexington, KY 40517
p 859.271.3246
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537
Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 10392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	CCA
Rev'd By:	CH / DH

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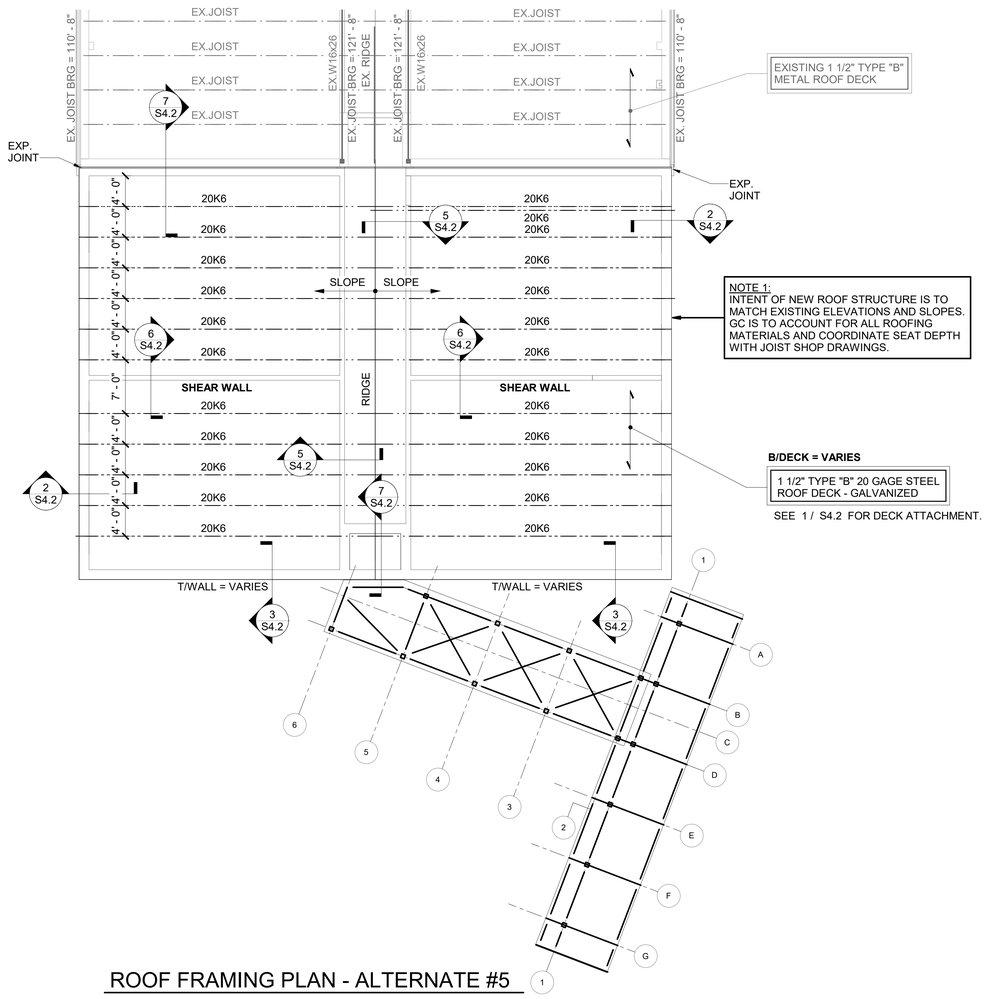
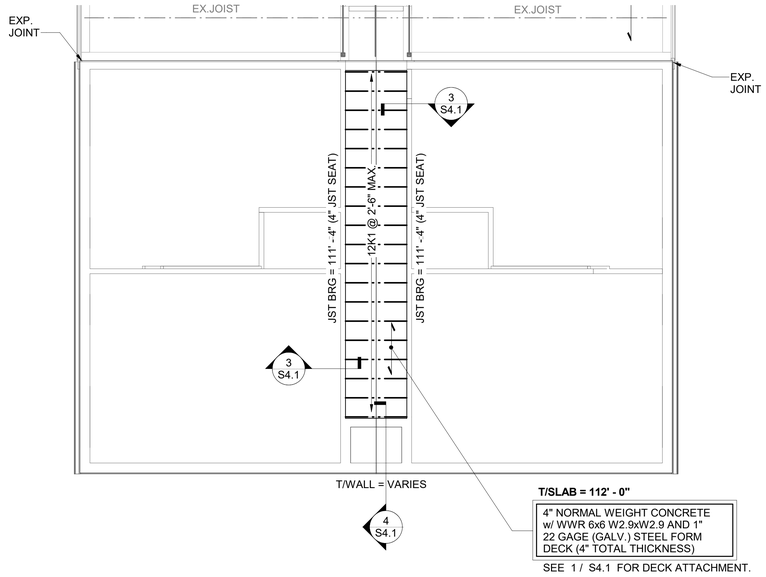
ALTERNATE #4 PLANS

DATE ISSUED:
MAY 16, 2022



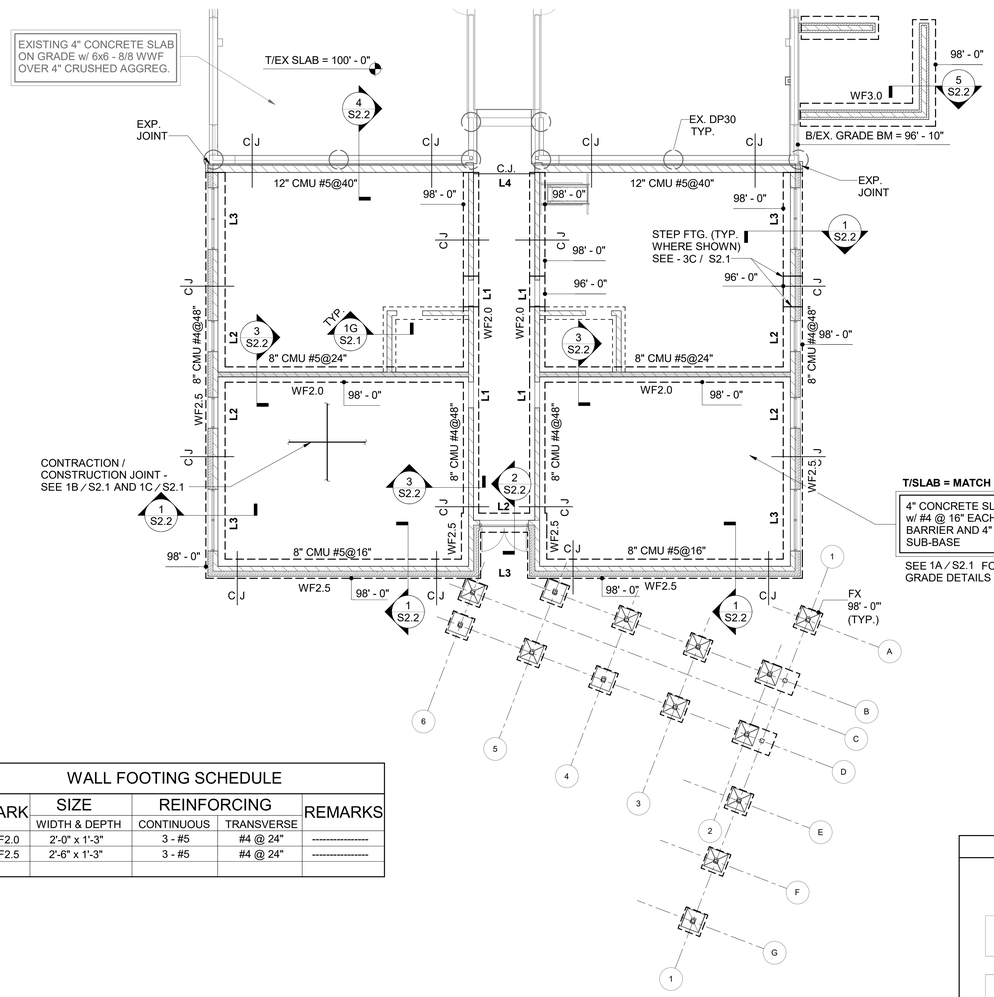
ROOF FRAMING PLAN - ALTERNATE #5

1/8" = 1'-0"



MECHANICAL MEZZANINE FRAMING PLAN ALTERNATE #5

1/8" = 1'-0"



FOUNDATION PLAN - ALTERNATE #5

1/8" = 1'-0"

WALL FOOTING SCHEDULE

MARK	SIZE	REINFORCING		REMARKS
	WIDTH & DEPTH	CONTINUOUS	TRANSVERSE	
WF2.0	2'-0" x 1'-3"	3 - #5	#4 @ 24"	----------
WF2.5	2'-6" x 1'-3"	3 - #5	#4 @ 24"	----------

KEYPLAN

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

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Nashville, Tennessee 37228
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SDG Project No. 2022-107.00

ALTERNATE #5 PLANS
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

Project No: 2148
Drawn By: CCA
Rev'd By: CH / DH

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ALTERNATE #5 PLANS

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SDG Project No. 2022-107.00

CANOPY FRAMING SECTIONS AND DETAILS, ALT #4 & #5

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE II RENOVATION & ADDITION

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
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CANOPY FRAMING SECTIONS AND DETAILS, ALT #4 & #5
DATE ISSUED:
MAY 16, 2022

REVISIONS

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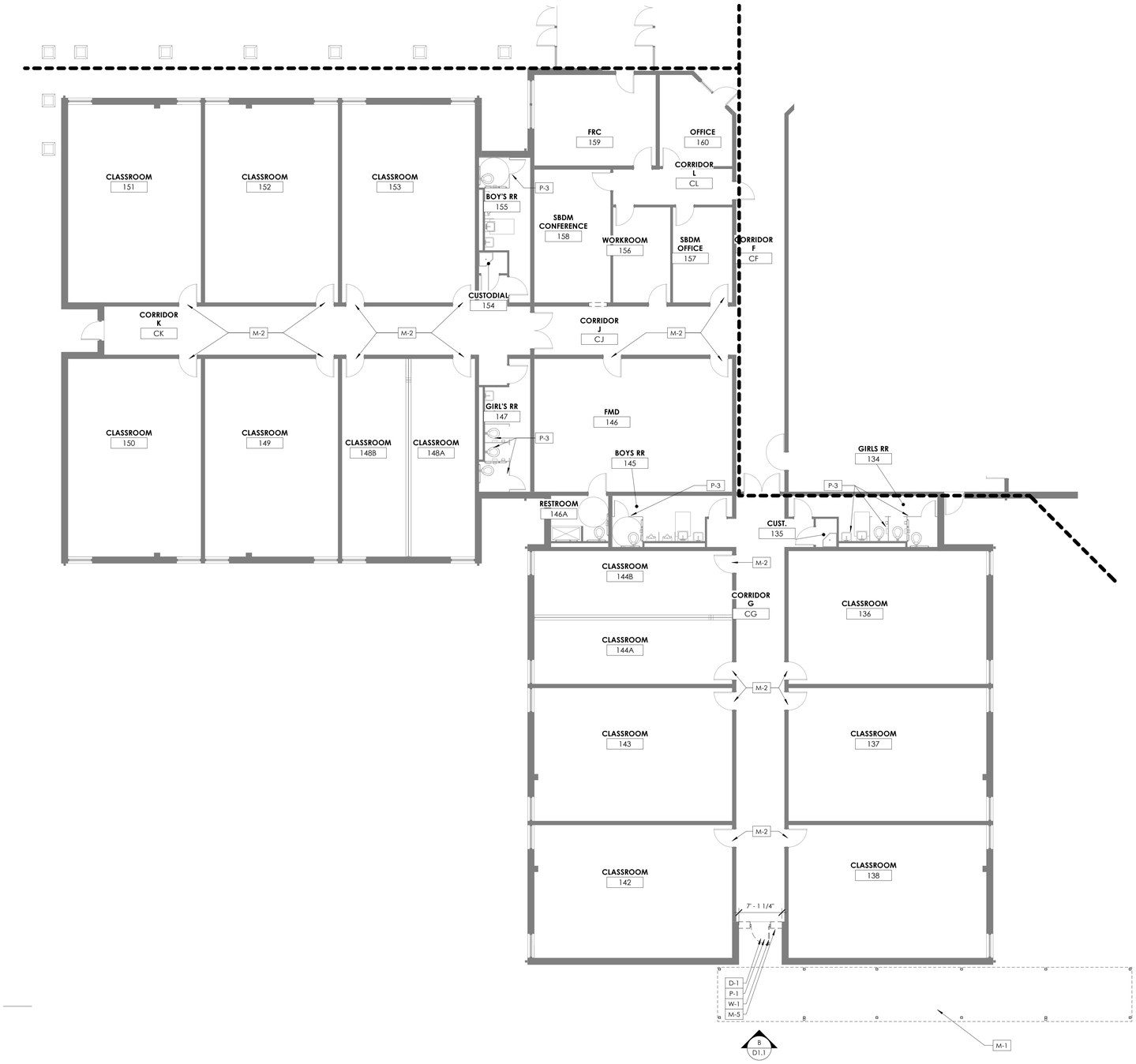
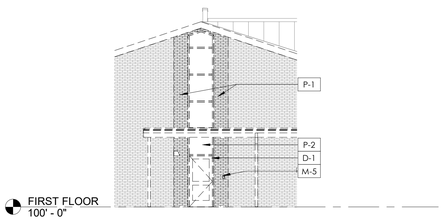




DEMOLITION ELEVATION - AREA A (B / D1.1)
1/8" = 1'-0"

DEMOLITION FLOOR PLAN - AREA A (A / D1.1)
1/8" = 1'-0"

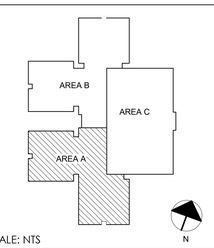
GENERAL DEMOLITION NOTES

1. THESE DEMOLITION PLANS ARE MEANT TO BE A CONVENIENCE TO THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY FOR INSTALLATION OF NEW WORK WHETHER SHOWN HERE OR NOT.
2. REFER TO SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION WORK REQUIRED IN SPECIFIC AREAS OF WORK.
3. CONTRACTOR SHALL VERIFY LOAD BEARING CONDITIONS OF WALLS PRIOR TO THEIR DEMOLITION. ANY WALL FOUND TO BE LOAD BEARING WHICH IS NOT SO NOTED SHALL PROMPTLY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ITS DEMOLITION.
4. WHERE WALLS OR OTHER ITEMS ARE REMOVED, CLEAN AND REPAIR FLOORS TO FLUSH CONDITION SUITABLE TO RECEIVE FLOOR FINISH. WHERE MASONRY WALLS EXTEND THROUGH SLAB AND REST ON FOOTING, REMOVE BLOCK TO MINIMUM OF 4" BELOW FINISH FLOOR. FILL FLUSH WITH CONCRETE. PROVIDE MIN. 4" CONCRETE FILL AT ABANDONED PIPES OR OTHER OPENINGS IN THE FLOOR SLABS WHICH ARE EXPOSED OR CREATED BY OTHER DEMOLITION. GRIND TO FLUSH AS RQD.
5. ALL CONCRETE BLOCK, AND/OR BRICK VENEER INFILL OR PATCHES IN EXISTING MASONRY SHALL BE TOOTHED INTO ADJACENT SOUND MASONRY IN FULL UNITS U.N.O. PARTIAL MASONRY UNITS ADJACENT TO OPENINGS SHALL BE REMOVED AS RQD. TO ALLOW TOOTHING. WHERE NEW MASONRY CONSTRUCTION JOINS EXISTING MASONRY WALLS, REMOVE MASONRY UNITS AT CONNECTIONS AS NECESSARY TO PERMIT TOOTHING OF NEW CONSTRUCTION WHETHER OR NOT SUCH DEMOLITION IS SPECIFICALLY SHOWN ON DEMOLITION PLANS. OVER-DEMOLISH NEW MASONRY UNITS TO PROVIDE FINISHED OPENING. PROVIDE NEW MASONRY TIES AND HORIZONTAL JOINT REINFORCING PER SPECIFICATIONS. NEW MASONRY CONSTRUCTION SHALL PRECISELY MATCH ADJACENT EXISTING MASONRY IN COLOR, TEXTURE, PATTERN AND FINISH, U.N.O.
6. ALL HVAC GRILLES, LOUVERS, AND OTHER MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT WHICH ARE ABANDONED AND/OR CALLED OUT TO BE REMOVED SHALL BE COMPLETELY REMOVED. OPENINGS SHALL BE INFILLED WITH NEW CONSTRUCTION MATCHING EXISTING ADJACENT CONSTRUCTION. REFER TO NOTE '1' ABOVE AND MEP DRAWINGS OF RELATED ITEMS.
7. EXISTING DOORS AND FRAMES SHOWN IN WALL TO BE DEMOLISHED SHALL BE REMOVED. PATCH AS NOTED. REMOVE ALL OTHER MATERIALS ASSOCIATED WITH DOOR THAT WILL NOT BE USED.
8. REMOVE ALL WALL MOUNTED ITEMS WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED BUT WHICH INTERFERE WITH, OR ARE NOT PART OF FINISHED CONSTRUCTION. OTHER SALVAGED ITEMS WHICH ARE NOT INDICATED TO BE REUSED IN THE RENOVATION OR RETURNED TO THE OWNER MAY BE SALVAGED BY THE CONTRACTOR AND REMOVED FROM THE SITE.
9. WHERE EXISTING EQUIPMENT OR CASEWORK IS REMOVED, REMOVE ALL ASSOCIATED ATTACHMENT DEVICES, ANCHORS ETC. PATCH AND REPAIR EXISTING FINISHES.
10. SEE NEW WORK PLANS FOR NEW WORK TO BE INSTALLED.

DEMOLITION NOTES

DOOR DEMOLITION NOTES:	
D-1	REMOVE EXISTING METAL FRAME, DOOR(S), AND GLAZING IN ENTIRETY. REFER TO PLANS FOR NEW WORK.
FINISH DEMOLITION NOTES:	
F-1	ALTERNATE #6 -REMOVE EXISTING RESILIENT FLOORING & BASE IN THEIR ENTIRETY.
F-2	ALTERNTE #7 - REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND BASE IN ITS ENTIRETY.
MISCELLANEOUS DEMOLITION:	
M-1	REMOVE EXISTING EXTERIOR CANOPY IN ENTIRETY. COORDINATE WITH NEW WORK. REFER TO SITE FOR MORE INFORMATION
M-2	REMOVE EXISTING DOOR HARDWARE. EXISTING DOOR TO REMAIN. COORDINATE WITH NEW WORK.(087100)
M-3	ALTERNATE #6 - REMOVE EXISTING TELESCOPING BLEACHERS. REFER TO A8.7 FOR NEW WORK
M-4	ALTERNATE #6 - REMOVE EXISTING RETRACTABLE BASKETBALL HOOP BACKBOARD. REFER TO A8.7 FOR NEW WORK
M-5	REMOVE AND SALVAGE EXISTING CARDER FOR REINSTALLATION. REFER TO ELECTRICAL DWGS FOR ADDITIONAL INFORMATION.
PARTITION DEMOLITION NOTES:	
P-1	REMOVE PORTION OF EXISTING WALL. EXISTING WALL MAY BE A BEARING WALL. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION.
P-2	REMOVE EXISTING STOREFRONT IN ITS ENTIRETY. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION
P-3	ALTERNATE #8 - REMOVE EXISTING TOILET / URINAL PARTITION AND ASSOCIATED ACCESSORIES IN THEIR ENTIRITY. PATCH AND REPAIR WALL SURFACE TO RECEIVE NEW FINISHES.
P-5	REMOVE EXISTING PARTITION AND SALVAGE TOILET ACCESSORIES FOR REINSTALLATION. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK
P-6	REMOVE EXISTING URINAL SCREEN IN ITS ENTIRETY. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.

DEMOLITION PLAN - AREA A

FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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3264 Lochness Dr.
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Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
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Construction Manager:
Codell Construction Co.
P.O. Box 17
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	KM/BR/JR
Rev'd By:	PF/RB

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DEMOLITION PLAN - AREA A

DATE ISSUED:
05/09/2022

REVISIONS

#	DATE	DESCRIPTION

DEMOLITION FLOOR PLAN - AREA B (A / D1.2)
1/8" = 1'-0"

DEMOLITION NOTES

DOOR DEMOLITION NOTES:	
D-1	REMOVE EXISTING METAL FRAME, DOOR(S), AND GLAZING IN ENTIRETY. REFER TO PLANS FOR NEW WORK.
FINISH DEMOLITION NOTES:	
F-1	ALTERNATE #6 -REMOVE EXISTING RESILIENT FLOORING & BASE IN THEIR ENTIRETY.
F-2	ALTERNTE #7 - REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND BASE IN ITS ENTIRETY.
MISCELLANEOUS DEMOLITION:	
M-1	REMOVE EXISTING EXTERIOR CANOPY IN ENTIRETY. COORDINATE WITH NEW WORK. REFER TO SITE FOR MORE INFORMATION
M-2	REMOVE EXISTING DOOR HARDWARE. EXISTING DOOR TO REMAIN. COORDINATE WITH NEW WORK.(087100)
M-3	ALTERNATE #6 - REMOVE EXISTING TELESCOPING BLEACHERS. REFER TO A8.7 FOR NEW WORK
M-4	ALTERNATE #6 - REMOVE EXISTING RETRACTABLE BASKETBALL HOOP BACKBOARD. REFER TO A8.7 FOR NEW WORK
M-5	REMOVE AND SALVAGE EXISTING CARDER FOR REINSTALLATION. REFER TO ELECTRICAL DWGS FOR ADDITIONAL INFORMATION.
PARTITION DEMOLITION NOTES:	
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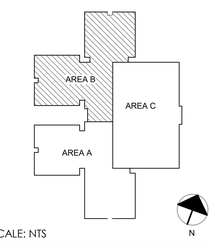
P-2	REMOVE EXISTING STOREFRONT IN ITS ENTIRETY. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION
P-3	ALTERNATE #8 - REMOVE EXISTING TOILET / URINAL PARTITION AND ASSOCIATED ACCESSORIES IN THEIR ENTIRITY. PATCH AND REPAIR WALL SURFACE TO RECEIVE NEW FINISHES.
P-5	REMOVE EXISTING PARTITION AND SALVAGE TOILET ACCESSORIES FOR REINSTALLATION. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK
P-6	REMOVE EXISTING URINAL SCREEN IN ITS ENTIRETY. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

DEMOLITION PLAN - AREA B
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
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p 615.255.5537
Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
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BG# 22-207

Project No:	2148
Drawn By:	KM/BR/JR
Rev'd By:	PF/RB

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DEMOLITION PLAN - AREA B

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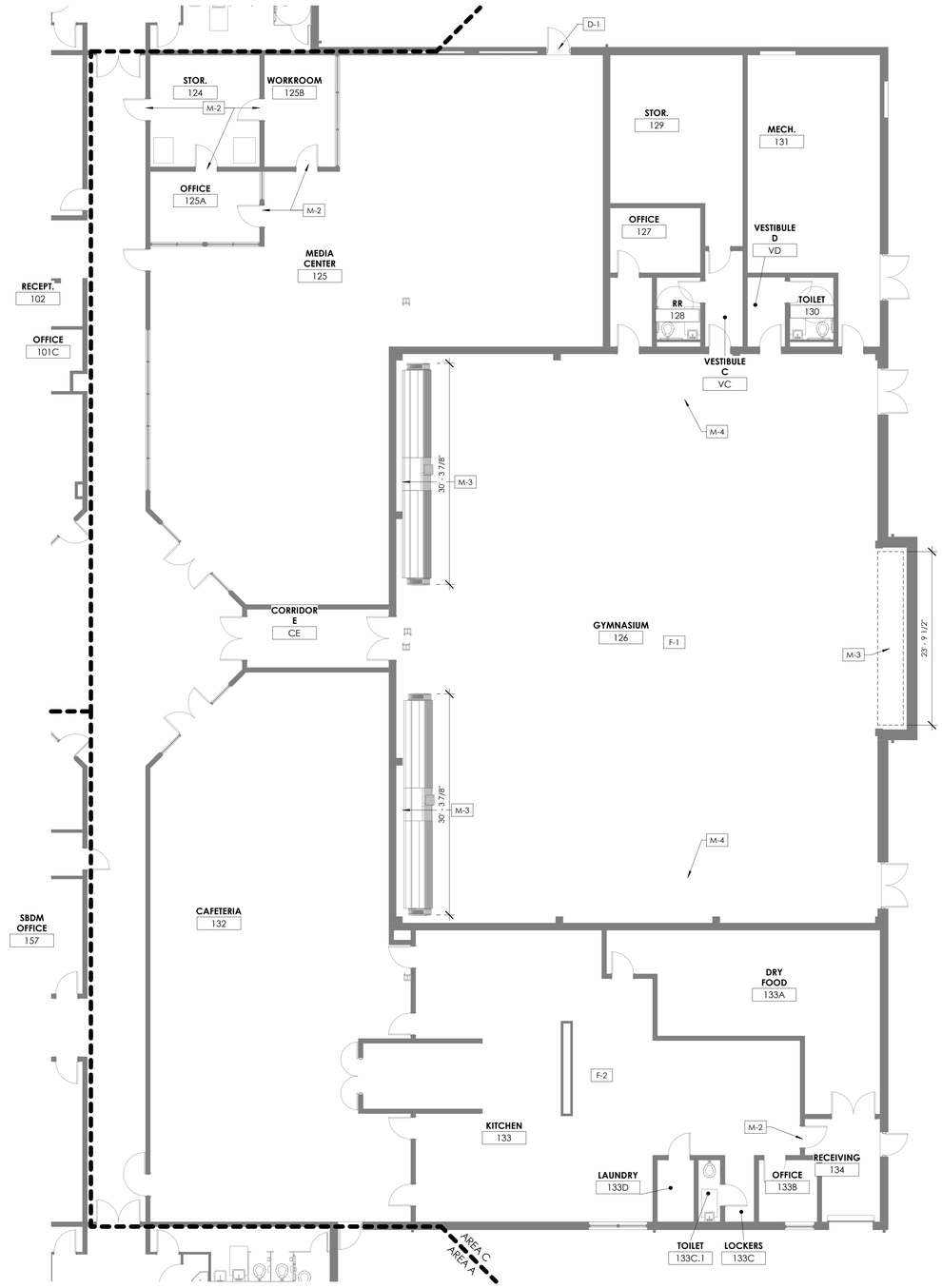
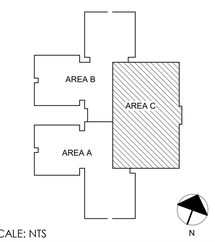


DEMOLITION FLOOR PLAN - AREA C (A / D1.3)
1/8" = 1'-0"

DEMOLITION NOTES

DOOR DEMOLITION NOTES:	
D-1	REMOVE EXISTING METAL FRAME, DOOR(S), AND GLAZING IN ENTIRETY. REFER TO PLANS FOR NEW WORK.
FINISH DEMOLITION NOTES:	
F-1	ALTERNATE #6 -REMOVE EXISTING RESILIENT FLOORING & BASE IN THEIR ENTIRETY.
F-2	ALTERNTE #7 - REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND BASE IN ITS ENTIRETY.
MISCELLANEOUS DEMOLITION:	
M-1	REMOVE EXISTING EXTERIOR CANOPY IN ENTIRETY. COORDINATE WITH NEW WORK. REFER TO SITE FOR MORE INFORMATION
M-2	REMOVE EXISTING DOOR HARDWARE. EXISTING DOOR TO REMAIN. COORDINATE WITH NEW WORK.(087100)
M-3	ALTERNATE #6 - REMOVE EXISTING TELESCOPING BLEACHERS. REFER TO A8.7 FOR NEW WORK
M-4	ALTERNATE #6 - REMOVE EXISTING RETRACTABLE BASKETBALL HOOP BACKBOARD. REFER TO A8.7 FOR NEW WORK
M-5	REMOVE AND SALVAGE EXISTING CARDER FOR REINSTALLATION. REFER TO ELECTRICAL DWGS FOR ADDITIONAL INFORMATION.
PARTITION DEMOLITION NOTES:	
P-1	REMOVE PORTION OF EXISTING WALL. EXISTING WALL MAY BE A BEARING WALL. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION.
P-2	REMOVE EXISTING STOREFRONT IN ITS ENTIRETY. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION
P-3	ALTERNATE #8 - REMOVE EXISTING TOILET / URINAL PARTITION AND ASSOCIATED ACCESSORIES IN THEIR ENTIRITY. PATCH AND REPAIR WALL SURFACE TO RECEIVE NEW FINISHES.
P-5	REMOVE EXISTING PARTITION AND SALVAGE TOILET ACCESSORIES FOR REINSTALLATION. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK
P-6	REMOVE EXISTING URINAL SCREEN IN ITS ENTIRETY. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK

KEY PLAN



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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

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DEMOLITION PLAN - AREA C
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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DEMOLITION PLAN - AREA C

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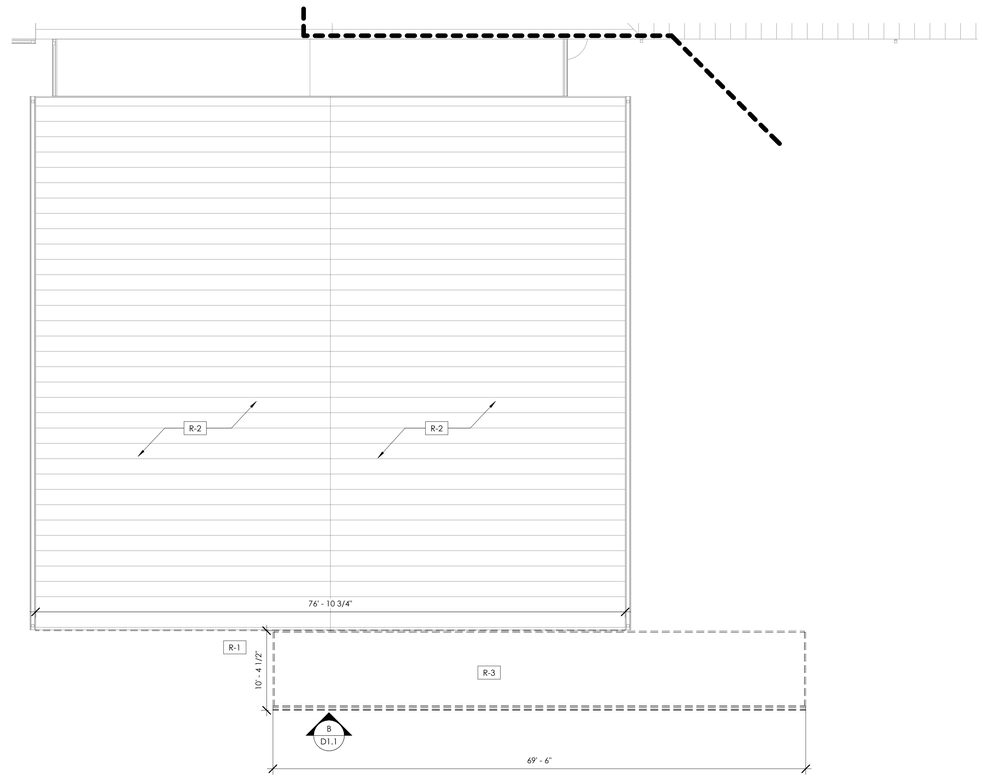


ROOF DEMOLITION PLAN - AREA A (A / D3.1)
1/8" = 1'-0"

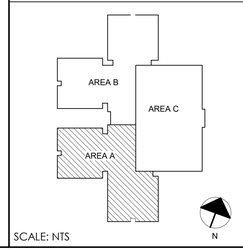
ROOF DEMOLITION NOTES

1. THESE DEMOLITION PLANS ARE MEANT TO BE A CONVENIENCE TO THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY FOR INSTALLATION OF NEW WORK WHETHER SHOWN HERE OR NOT.
2. DRAWINGS ARE BASED UPON PARTIAL BUILDING PLANS PROVIDED BY OWNER AND UPON FIELD OBSERVATION.
3. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE INSTALLATION OF THE NEW ROOFING SYSTEM. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING.
4. THE BUILDING IS TO BE OCCUPIED DURING DEMOLITION AND PLACEMENT OF THE NEW ROOFING SYSTEM. THE OWNER IS TO HAVE COMPLETE USE OF THE FACILITIES EXCEPT FOR LIMITED AREAS AT LIMITED PERIODS OF TIME.
5. COORDINATE REMOVAL AND REINSTALLATION OF ROOF TOP STRUCTURES AND EQUIPMENT WITH OTHERS AS REQUIRED TO INSTALL NEW ROOFING SYSTEM. SEE DETAILS INDICATED ON NEW ROOF PLAN FOR ADDITIONAL INFORMATION. GENERAL CONTRACTOR IS RESPONSIBLE FOR EXTENDING ALL UTILITIES AND DUCTWORK AS REQUIRED TO RECONNECT EQUIPMENT FOR COMPLETE INSTALLATION. ALL MECHANICAL AND ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL, STATE, AND LOCAL BUILDING CODES.
6. THE CONTRACTOR IS TO MAINTAIN BUILDING IN A WEATHER-TIGHT CONDITION AGAINST INCLEMENT WEATHER AT ALL TIMES.
7. ANY ITEM NOT DESIGNATED AS "EXISTING" SHALL BE ASSUMED TO BE NEW.
8. CONTRACTOR IS TO VERIFY ALL EXISTING SLOPES PRIOR TO INSTALLATION OF NEW ROOFING.
9. ALL EXISTING ROOF TOP EQUIPMENT IS TO REMAIN UNLESS OTHERWISE NOTED.

ROOF DEMOLITION NOTES

ROOF DEMOLITION CATEGORY:	
R-1	REMOVE EXISTING METAL FASCIA/COPING. COORDINATE WITH NEW WORK.
R-2	EXISTING ROOF TO REMAIN. EXISTING ROOF IS CURRENTLY UNDER WARRANTY. ALL NEW WORK TO BE PERFORMED SHALL NOT VOID EXISTING WARRANTY.
R-3	REMOVE EXISTING ALUMINUM CANOPY ROOFING ASSEMBLY, ACCESSORIES, AND STRUCTURE IN ITS ENTIRETY.

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

ROOF DEMOLITION PLAN
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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ROOF DEMOLITION PLAN

DATE ISSUED:
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REVISIONS

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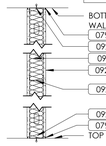
NOTE: ALL GYPSUM BOARD SURFACES 12" AND ABOVE SUSPENDED CEILING TO RECEIVE LEVEL 1 FINISH. EXTEND AND SEAL WALL TO BOTTOM OF DECK/STRUCTURE ABOVE ALL EXPOSED SURFACES TO RECEIVE PANT U.N.O.



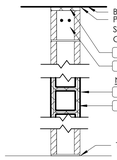
NOTE: AT 1 HOUR FIRE RATING, PROVIDE TYPE 'X' GYPSUM BD. (UL DESIGN No. U465)
NOTE: AT 2 HR. FIRE RATING, PROVIDE 2 LAYERS OF 5/8" TYPE 'X' GYPSUM BD., BOTH SIDES. (UL DESIGN NO. U411)

WALL TYPE 2: 092116.C 5/8"; 092116.B 3-5/8" ONE-SIDED

INTERIOR GYPSUM BOARD PARTITION TYPE '2'

SCALE : N.T.S.

NOTE: IF JOIST OR BEAM LOCATION INTERFERES WITH NON-LOAD BEARING CMU WALL EXTENDING TO DECK ABOVE, EXTEND CMU WALL TO 8" ABOVE FINISHED CEILING HEIGHT AND CONTINUE WALL TO DECK ABOVE WITH WALL TYPE 2. REFER TO STRUC. FOR BRACING. EXTEND AND SEAL WALL TO BOTTOM OF DECK ABOVE PER GENERAL WALL NOTES. ALL EXPOSED SURFACES TO RECEIVE PAINT U.N.O.



WALL TYPE 1: 042000.A 8" NOMINAL CMU U.N.O.; 042000.L MASONRY REINFORCEMENT

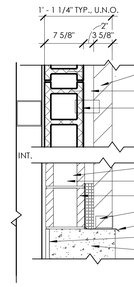
WALL TYPE 1: 042000.A 6" NOMINAL CMU U.N.O.; 042000.L MASONRY REINFORCEMENT

WALL TYPE 1: 042000.A 4" NOMINAL CMU U.N.O.; 042000.L MASONRY REINFORCEMENT

WALL TYPE 1: 042000.A 12" NOMINAL CMU U.N.O.; 042000.L MASONRY REINFORCEMENT

INTERIOR CMU PARTITION TYPE '1'

SCALE : N.T.S.

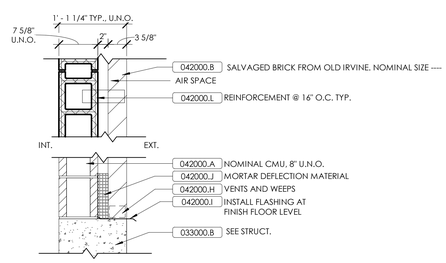


EXT. MASONRY VENEER CAVITY WALL:

WALL TYPE B: 042000.B MASONRY VENEER; AIR SPACE; 071113.A BITUMINOUS DAMPPROOFING; 042000.A NOMINAL 8" CMU U.N.O.

EXTERIOR WALL TYPE 'B'

SCALE : N.T.S.



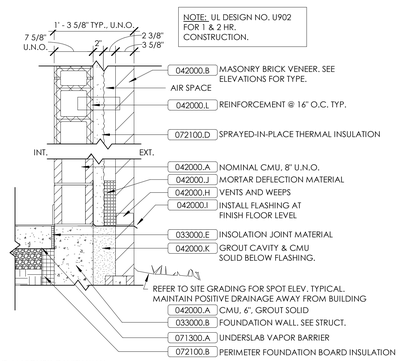
WALL TYPE A: EXT. MASONRY CAVITY WALL:

042000.B BRICK VENEER; AIR SPACE; 042000.A NOMINAL 8" CMU U.N.O.

MONUMENT WALL TYPE 'C'

N.T.S.

NOTE: UL DESIGN NO. U902 FOR 1 & 2 HR. CONSTRUCTION.



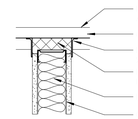
WALL TYPE A: EXT. MASONRY CAVITY WALL:

042000.B MASONRY VENEER; AIR SPACE; 072100.D THERMAL INSULATION; 042000.A NOMINAL 8" CMU U.N.O.; 099000.A PAINT ALL EXPOSED SURFACES U.N.O.

EXTERIOR WALL TYPE 'A'

SCALE : N.T.S.

UL DESIGN NO. HW - D - 0034 - TOP OF WALL

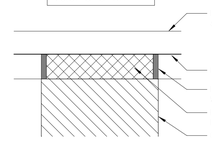


NOTE: INSTALL FIRESTOP SYSTEM PER MFR. TESTED SYSTEM. REFER TO WALL TYPES FOR NUMBER OF GYP. BD. LAYERS REQUIRED TO MEET RATING.

SMOKE PARTITION, 1HR/2HR FIRESTOP @ GWB

N.T.S.

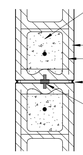
UL DESIGN NO. HW-D-0039 TOP OF WALL



NOTE: INSTALL FIRESTOP SYSTEM PER MFR. TESTED SYSTEM.

SMOKE PARTITION, 1HR/2HR FIRESTOP @ CMU

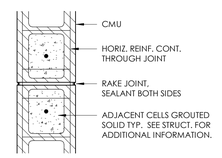
N.T.S.



NOTE: PREVENT MORTAR FROM ENTERING THE EXPANSION JOINT. MAINTAIN JOINT FREE & CLEAR.

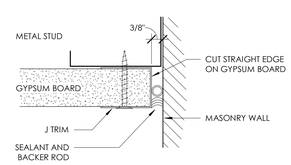
TYP. CMU EXPANSION JOINT DETAIL

N.T.S.



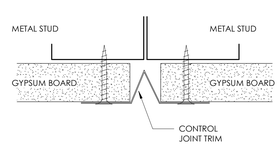
TYP. CMU CONTROL JOINT DETAIL

N.T.S.



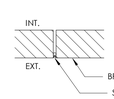
TYP. REVEAL @ GWB/MASONRY INTERSECTION

N.T.S.



TYP. REVEAL/EXPANSION JOINT DETAIL

N.T.S.



TYP. BRICK EXPANSION JOINT DETAIL

N.T.S.

ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR
ALT.	ALTERNATE
AL/ALUM.	ALUMINUM
ARCH.	ARCHITECT/ ARCHITECTURAL
BD.	BOARD
BIT.	BITUMINOUS
BLKG.	BLOCKING
BLDG.	BUILDING
B.O.	BOTTOM OF SOMETHING
BRG.	BEARING
C.J.	CONTRACTION/ CONSTRUCTION JOINT
CL.	CENTERLINE
CLG.	CEILING
CLR.	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
DBL.	DOUBLE
DIA.	DIAMETER
DS.	DOWNSPOUT
DWG.	DRAWING
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM
E.J.	EXPANSION JOINT
EQ.	EQUAL
EQUIP.	EQUIPMENT
ELEV.	ELEVATOR
E.O.S.	EDGE OF SLAB
E.R.D.	EMERGENCY ROOF DRAIN OVERFLOW
E.T.R.	EXISTING TO REMAIN
EXP.	EXPANSION
EXT.	EXTERIOR
FAB.	FABRICATE/ FABRICATION
FDN.	FOUNDATION
F.F.E.	FINISH FLOOR ELEVATION
F.G.E.	FINISH GRADE ELEVATION
FIN.	FINISH
FLR.	FLOOR/ FLOORING
F.RT.	FIRE RETARDENT
FT.	FEET
F.V.	FIELD VERIFY
GA.	GUAGE
GALV.	GALVANIZED
GYP.	GYPSUM
HORZ.	HORIZONTAL
HT.	HEIGHT
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
LAM.	LAMINATE
MAS.	MASONRY
M.E.P.	MECHANICAL, ELECTRICAL, PLUMBING
MFR.	MANUFACTURER
MAT.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEM.	MEMBRANE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
N.A.	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.H.	OVERHEAD
OPP.	OPPOSITE
ORN.	ORNAMENTAL
PEN.	PENETRATION
PL.	PLATE
POLYISO.	POLYISOCYANURATE
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
RAD.	RADIUS
REINF.	REINFORCEMENT
RQD.	REQUIRED
REV.	REVISION/ REVISED
R.D.	ROOF DRAIN
SECT.	SECTION
SIM.	SIMILAR
SPECS.	SPECIFICATIONS
S.S.	STAINLESS STEEL
SQ.	SQUARE
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURE/ STRUCTURAL
SYM.	SYMMETRICAL
SYS.	SYSTEM
T.O.	TOP OF SOMETHING
THK.	THICK
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
W.P.	WORK POINT
WT.	WEIGHT

SYMBOLS LEGEND:

- BUILDING SECTION
- SECTION CUT / DETAIL MARKER
- ELEVATION (DETAIL / DRAWING #)
- REFERENCE DETAIL (DETAIL / DRAWING #)
- SPOT ELEVATION
- ROOF TYPES
- WALL TYPES, X" DENOTES SIZE OF CMU OR STUD.
- DOOR NUMBER
- HOLLOW METAL WINDOW & DOOR FRAME TYPE
- ALUMINUM WINDOW & STOREFRONT FRAME TYPE
- DOOR ELEVATION TYPES
- FE-1 WALL MOUNTED FIRE EXTINGUISHER (104400)
- FE-2 SEMI-RECESSED CABINET WITH FIRE EXTINGUISHER (104400)

FIRE BARRIER TYPES:

- SP — SMOKE TIGHT PARTITION: EXTEND PARTITION WALL TO DECK ABOVE, SEAL PERIMETER TO PROVIDE "SMOKE TIGHT INSTALLATION", SEAL ALL PENETRATIONS
- 1HR — 1 HOUR RATING: PROVIDE FIRE SAFING AT VOIDS AT THE TOP PERIMETER OF THE PARTITION AND FIRESAFE ALL PENETRATIONS. VERIFY WITH STRUCTURAL DRAWINGS AND COORDINATE WITH WALL SECTIONS.
- 2HR — 2 HOUR RATING: PROVIDE FIRE SAFING AT VOIDS AT THE TOP PERIMETER OF THE PARTITION AND FIRESAFE ALL PENETRATIONS. VERIFY WITH STRUCTURAL DRAWINGS AND COORDINATE WITH WALL SECTIONS.

GENERAL PLAN NOTES

1. (NIC)-NOT IN CONTRACT. PROVIDED BY OWNER AND INSTALLED BY OTHERS.
2. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE.
3. ALL DIMENSIONS ARE TO FACE OF STUDS, MASONRY OR TO CENTERLINE OF STRUCT'L STEEL UNLESS OTHERWISE NOTED. CONTACT ARCHITECT WITH ANY QUESTIONS REGARDING DIMENSIONS.
4. MASONRY DIMENSIONS ARE ACTUAL. EXTERIOR WALL DIMENSIONS ARE TO EXTERIOR FACE OF VENEER.
5. REFER TO ENLARGED PLANS FOR DIMENSIONS NOT SHOWN ON 1/8" PLANS.
6. ALL EXTERIOR WALLS ARE WALL TYPE 'A' U.N.O.
7. ALL INTERIOR PARTITIONS ARE WALL TYPE '1' U.N.O.
8. PROVIDE BULLNOSE UNITS AT ALL VERTICAL OUTSIDE CONCRETE BLOCK CORNERS U.N.O.
9. PARTITION TYPES SHALL MAINTAIN THEIR CONSTRUCTION AND RESPECTIVE SEPARATION RATING (IF ANY) FOR FULL HEIGHT. ALL MECH., ELEC., AND PLUMBING PENETRATIONS SHALL BE SEALED/SAFED/DAMPERED AS RQD. TO COMPLY W/ APPLICABLE CODES.
10. REFER TO STRUCTURAL DRAWINGS FOR TYPES, SIZES, LOCATIONS, CONNECTIONS, REINFORCEMENT AND OTHER REQ. PERTAINING TO STRUCTURAL COMPONENTS INDICATED.
11. REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE. ALL EXTERIOR LINTELS ARE TO BE GALVANIZED AND PAINTED.
12. VERIFY RQD. DEPTH OF ALL RECESSED SLABS W/ APPROPRIATE FINISH FLOORING MANUFACTURER PRIOR TO PLACEMENT OF SLAB.
13. MASONRY OPENINGS IN CMU WALLS FOR DOORS ARE TYPICALLY LOCATED 8" FROM THE JAMB OPENING TO THE ADJACENT WALL U.N.O.
14. DOORS IN GYPSUM BOARD WALLS ARE TYPICALLY LOCATED 6" FROM THE DOOR JAMB OPENING TO THE ADJACENT WALL U.N.O.
15. WHERE DOORS HAVE 180 DEGREE SWING IN CMU WALL, PROVIDE 3/4" SET BACK FROM FACE OF WALL OF SWING SIDE. COORD. W/ MASON.

GENERAL WALL NOTES

1. REFER TO FLOOR PLANS FOR THE LOCATION OF PARTITION AND WALL TYPES DESCRIBED ON THIS DRAWING.
2. REFER TO STRUCTURAL DRAWINGS FOR OTHER REQUIREMENTS PERTAINING TO REINFORCED UNIT MASONRY.
3. CONTRACTOR SHALL INSTITUTE ALL MEASURES NECESSARY TO ACHIEVE WEATHER-TIGHTNESS OF EXTERIOR WALLS BY ALLOWING POSITIVE DRAINAGE OF WATER TO THE EXTERIOR TO OCCUR WHERE THROUGH-WALL FLASHING IS INDICATED OR RQD.
   - A. KEEP ALL DRAINAGE CAVITIES IN CAVITY WALLS FREE OF MORTAR.
   - B. EXTEND THROUGH-WALL FLASHING TO FACE OF MASONRY VENEER FOR OBSERVATION BY THE ARCHITECT.
   - C. AT MASONRY VENEER, PROVIDE WEEPS AND CAVITY VENTS AT 24" O.C. HORZ. ALTERNATE LOCATIONS OF WEEPS W/ VENTS. DO NOT ALLOW WEEPS OR CAVITY VENTS TO BECOME CLOSED OFF.
   - D. REFER TO THE SPECS. FOR MORE INFORMATION ON PLACEMENT AND INSTALLATION OF THROUGH-WALL FLASHING, WEEPS, AND CAVITY VENTS.
4. AT CAVITY WALL CONSTRUCTION, ADHESIVE INSTALL THROUGH-WALL FLASHING ON CMU OR SHEATHING OVER STUDS, UPWARD MIN. 6" AND PAN-UP THROUGH-WALL FLASHING AT ENDS MINIMUM 6". DO NOT MECHANICALLY FASTEN, PENETRATE, OR PUNCTURE THROUGH-WALL FLASHING. THROUGH-WALL FLASHING TO DIRECT ALL MOISTURE TO EXTERIOR FACE OF WALL.
5. U.N.O. ALL EXTERIOR AND INTERIOR MASONRY AND/OR MTL. STUD WALLS SHALL EXTEND FULL HEIGHT TO BOTTOM OF DECK AND BE SEALED. REFER TO REFLECTED CEILING PLANS. PROVIDE THE FOLLOWING CLOSURE MATERIALS AT TOP OF EXTERIOR AND INTERIOR MASONRY AND METAL STUD WALLS AND PARTITIONS.
   - A. FULL-HEIGHT, NON-RATED MTL STUD/GYP PARTITION RUNNING PERPENDICULAR TO METAL DECK FLUTE/STRUCTURE: COPE GYP TO WITHIN 1/2" OF METAL DECK FLUTE. FILL METAL DECK FLUTE VOID COMPLETELY W/ SOUND ATTENUATION BLANKET MATERIAL. INSTALL CONT. ACOUSTICAL SEALANT BOTH SIDES OR PROVIDE COMPRESSIBLE NEOPRENE FILLER.
   - B. FULL-HEIGHT, NON-RATED METAL STUD/GYP PARTITION RUNNING PARALLEL TO METAL DECK FLUTES/STRUCTURE: STOP GYP. TO WITHIN 1/2" OF METAL DECK. INSTALL CONT. ACOUSTICAL SEALANT BOTH SIDES OR PROVIDE COMPRESSIBLE NEOPRENE FILLER.
   - C. FULL-HEIGHT, NON-RATED CMU WALL RUNNING PERPENDICULAR OR PARALLEL TO METAL DECK FLUTES/STRUCTURE: LAY CMU TO WITHIN 1" OF METAL DECK. FILL METAL DECK FLUTE VOID COMPLETELY WITH CUT-TO-FIT COMPRESSIBLE NEOPRENE FILLER OR SOUND ATTENUATION BLANKET MATERIAL & CONT. ACOUSTICAL SEALANT BOTH SIDES.
   - D. FIRE-RATED FULL-HEIGHT WALLS: FILL ALL VOIDS AT METAL DECK/STRUCTURE ABOVE. W/ FIRE BLANKETS & INTUMESCENT SEALANT PER SECTION 078400. REFER TO DETAILS ON THIS SHEET.
   - E. CMU & GYP. COLUMN SURROUNDS MAY BE STOPPED 12" ABOVE CEILING UNLESS PART OF A FIRE- OR SOUND-RATED WALL CONSTRUCTION.
6. PROVIDE CAULKED CONTROL JOINTS WHERE LOAD BEARING CMU ABUTS NON-LOAD BEARING CMU OR WHERE WALLS OF DIFFERENT HEIGHTS ABUT.

MATERIALS LEGEND:

- CONCRETE
- FINISHED WOOD
- CONCRETE MASONRY UNIT
- PLYWOOD
- CLAY MASONRY UNIT
- WOOD BLOCKING
- SPLIT-FACE CONCRETE MASONRY UNIT
- CAVITY WALL INSULATION/PERLITE ROOFING INSULATION
- GROUND-FACE CONCRETE MASONRY UNIT
- POLYISO. ROOFING INSULATION
- CUT STONE
- THERMAL, SOUND, OR FIRE BATT-INSULATION
- STEEL
- GYPSUM BOARD
- ALUMINUM
- SPRAY-IN-PLACE THERMAL INSULATION

MASTER MATERIAL REFERENCE

033000.A	Footing
033000.B	Foundation Wall
033000.C	Slab-on-Grade
033000.D	Slab-on-Deck
033000.E	Isolation Joint Material
033000.H	Cast-in-Place Structural Concrete
033000.I	Granular Sub-base
042000.A	Concrete Masonry Unit
042000.B	Face Brick
042000.H	Vents and Weeps
042000.I	Through Wall Flashing
042000.J	Mortar Deflection Material
042000.K	Grout
042000.L	Masonry Reinforcement
042000.M	Masonry Anchors
042000.O	Bond Beam
047200.A	Cast Stone Masonry Units
047313.B	Limestone Base
051200.A	Structural Steel Member
053100.A	Roof Deck
055000.A	Ship's Ladder
055100.D	Miscellaneous Metal Stair Components
061000.A	Wood Blocking
061000.B	Plywood Sheathing
064100.A	Custom Casework
064100.A13	Plastic Laminate Countertop
064100.C6	Solid-Surface Countertop & Backsplash
071113.A	Bituminous Dampproofing
071300.A	Underslab Vapor Barrier
072100.B	Perimeter Foundation Board Insulation
072100.C	Thermal Batt Insulation
072100.D	Sprayed-In-Place Thermal Insulation
072100.E	Extruded Polystyrene Board Insulation
072100.F	Transition Membrane
074113.A	Metal Roof Panels
074113.C	Gutter
074113.D	Downspout
074113.E	Polyisocyanurate Insulation
074113.F	Ice and Water Shield
074113.G	Metal Wrap and Trim
074113.I	Drip Edge
077100.E	Expansion Joint
078400.A	Through-Penetration Fire Stop System
079005.A	Joint Sealant
079513.A	Joint Covers
081113.A	Steel Doors & Frames
081113.C	Steel Frame
084313.A	Aluminum Storefront Window
084313.B	Aluminum Storefront Framing
088000.A	Glazing
092116.B	Metal Studs and Runners
092116.C	Gypsum Board-Regular/Type 'X'
092116.D	Fiberglass-Faced Exterior Gypsum Board
092116.I	Sound Attenuation Blankets
092116.O	FRP Panels
095113.A	Acoustical Panel Ceiling System
096513.A	Resilient Wall Base & Accessories
099000.A	Paint
101101.A	Visual Display Surfaces
101424.A	Signs
101550.A	Toilet Compartment
101550.B	Urinal Screen
116623.A	Basketball Goals
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.A11	Plastic Laminate Full-Height Storage Cabinet
123550.A13	Plastic Laminate Cubby
123550.B2	Plastic Laminate Countertop & Backsplash
123550.B3	Plastic Laminate Countertop w/ Back & Side Splashes
126613.A	Telescoping Stand
133416.C	Bleachers

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

NOT FOR CONSTRUCTION

GENERAL ARCHITECTURAL DETAILS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892
Structural Engineer:
Brown + Kubican, PSC
2224 Young Dr.
Lexington, KY 40505
p 859.543.0933

BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/PF

SHEET RELEASE
1
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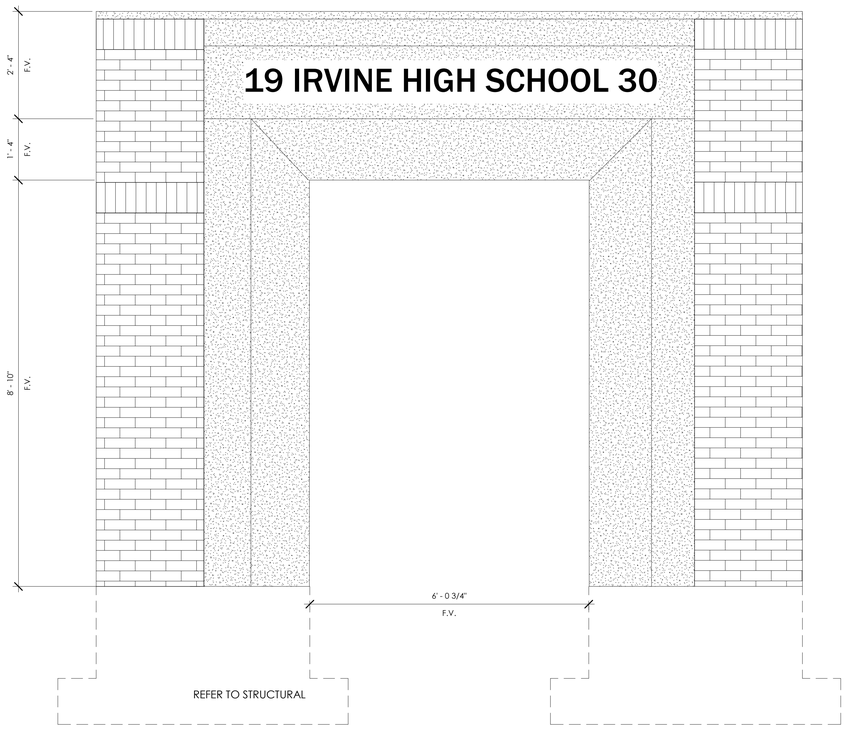
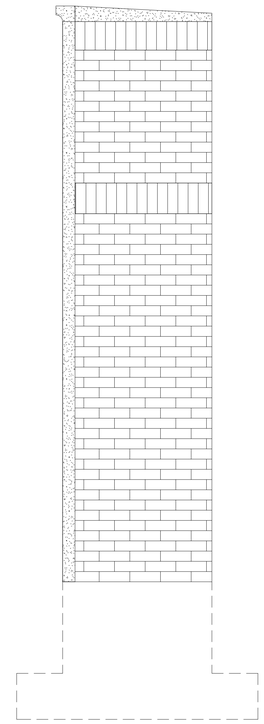
CONSTRUCTION DOCUMENTS

A0.1

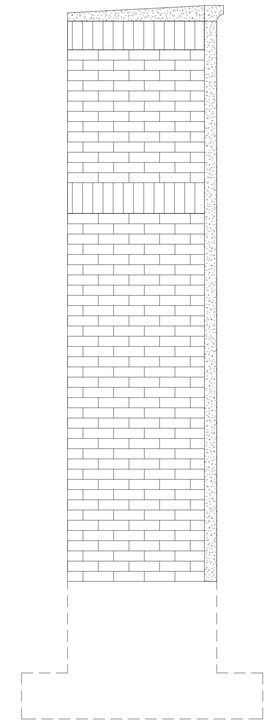
GENERAL ARCHITECTURAL DETAILS
DATE ISSUED:
05/09/2022



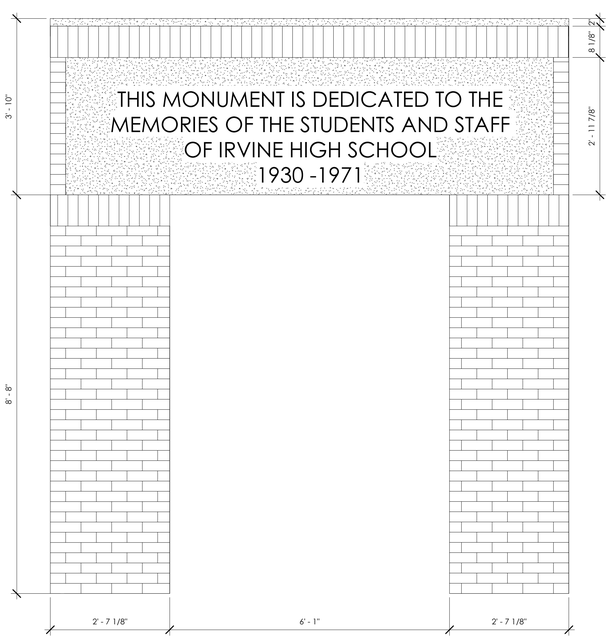
MONUMENT ELEVATION (H / A0.2)
3/4" = 1'-0"



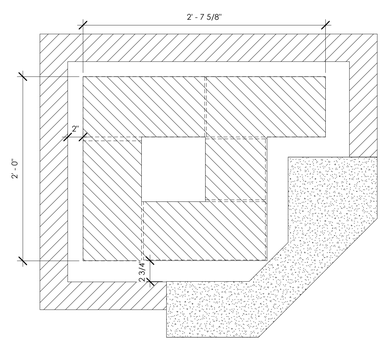
MONUMENT SIDE ELEVATION (E / A0.2)
3/4" = 1'-0"



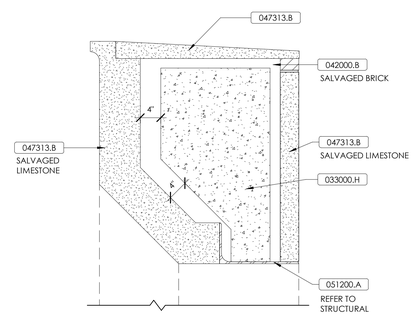
MONUMENT SIDE ELEVATION (C / A0.2)
3/4" = 1'-0"



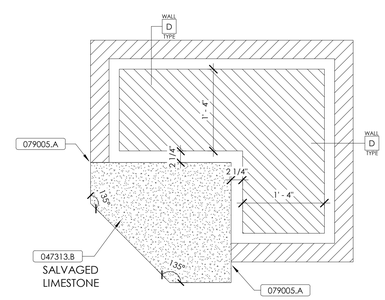
MONUMENT BACK ELEVATION (J / A0.2)
3/4" = 1'-0"



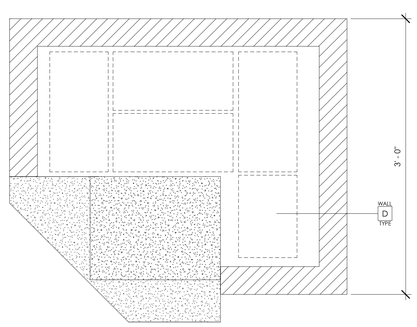
MONUMENT PLAN OPTION B1 - DETAIL (G / A0.2)
1 1/2" = 1'-0"



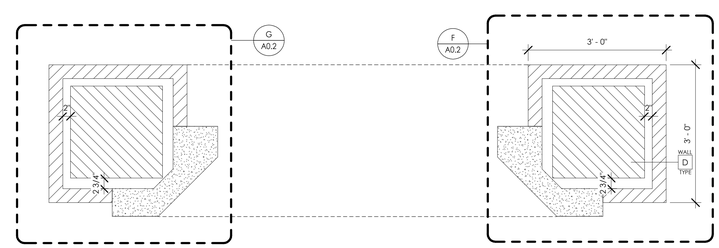
SECTION OPTION B (D / A0.2)
1" = 1'-0"



MONUMENT PLAN DETAIL OPTION A (B / A0.2)
1" = 1'-0"



MONUMENT PLAN OPTION B1 - DETAIL 2 (F / A0.2)
1 1/2" = 1'-0"



MONUMENT PLAN OPTION B (A / A0.2)
3/4" = 1'-0"

MATERIAL REFERENCE

033000.H	Cast-in-Place Structural Concrete
042000.B	Face Brick
047313.B	Limestone Base
051200.A	Structural Steel Member
079005.A	Joint Sealant

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RANDY S. BROOKS, JR. REGISTERED No. 5441 COMMONWEALTH OF KENTUCKY ARCHITECT

MONUMENT DETAILS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
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3264 Lochness Dr.
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p 859.271.3246
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537
Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No: 2148
Drawn By: Author
Rev'd By: Checker

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MONUMENT DETAILS

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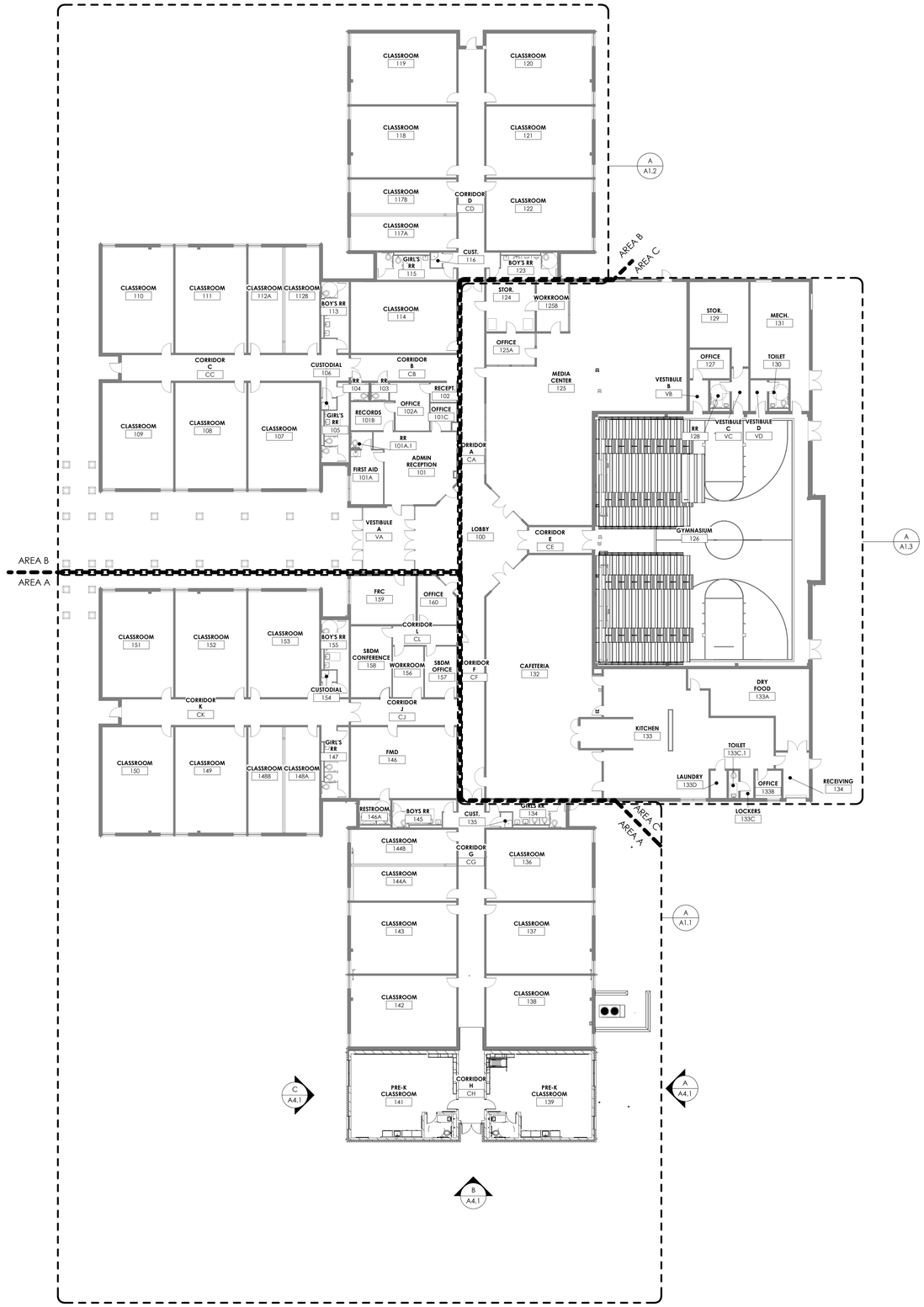
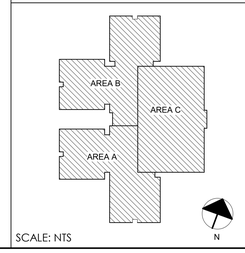


REFERENCE PLAN
1/16" = 1'-0"
A A1.0

GENERAL PLAN NOTES

1. (NIC)-NOT IN CONTRACT. PROVIDED BY OWNER AND INSTALLED BY OTHERS.
2. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE.
3. ALL DIMENSIONS ARE TO FACE OF STUDS. MASONRY OR TO CENTERLINE OF STRUCT'L STEEL UNLESS OTHERWISE NOTED. CONTACT ARCHITECT WITH ANY QUESTIONS REGARDING DIMENSIONS.
4. MASONRY DIMENSIONS ARE ACTUAL. EXTERIOR WALL DIMENSIONS ARE TO EXTERIOR FACE OF VENEER.
5. REFER TO ENLARGED PLANS FOR DIMENSIONS NOT SHOWN ON 1/8" PLANS.
6. ALL EXTERIOR WALLS ARE WALL TYPE 'A' U.N.O.
7. ALL INTERIOR PARTITIONS ARE WALL TYPE '1' U.N.O.
8. PROVIDE BULLNOSE UNITS AT ALL VERTICAL OUTSIDE CONCRETE BLOCK CORNERS U.N.O.
9. PARTITION TYPES SHALL MAINTAIN THEIR CONSTRUCTION AND RESPECTIVE SEPARATION RATING (IF ANY) FOR FULL HEIGHT. ALL MECH., ELEC., AND PLUMBING PENETRATIONS SHALL BE SEALED/SAFED/DAMPERED AS RQD. TO COMPLY W/ APPLICABLE CODES.
10. REFER TO STRUCTURAL DRAWINGS FOR TYPES, SIZES, LOCATIONS, CONNECTIONS, REINFORCEMENT AND OTHER REQ. PERTAINING TO STRUCTURAL COMPONENTS INDICATED.
11. REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE. ALL EXTERIOR LINTELS ARE TO BE GALVANIZED AND PAINTED.
12. VERIFY RQD. DEPTH OF ALL RECESSED SLABS W/ APPROPRIATE FINISH FLOORING MANUFACTURER PRIOR TO PLACEMENT OF SLAB.
13. MASONRY OPENINGS IN CMU WALLS FOR DOORS ARE TYPICALLY LOCATED 8" FROM THE JAMB OPENING TO THE ADJACENT WALL U.N.O.
14. DOORS IN GYPSUM BOARD WALLS ARE TYPICALLY LOCATED 6" FROM THE DOOR JAMB OPENING TO THE ADJACENT WALL U.N.O.
15. WHERE DOORS HAVE 180 DEGREE SWING IN CMU WALL, PROVIDE 3/4" SET BACK FROM FACE OF WALL OF SWING SIDE. COORD. W/ MASON.

KEY PLAN



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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

NOT FOR CONSTRUCTION

REFERENCE FLOOR PLAN
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
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Construction Manager:
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Winchester, Kentucky 40392
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BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/PF

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REFERENCE FLOOR PLAN

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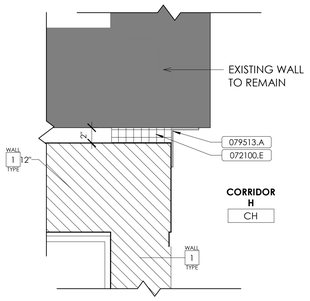
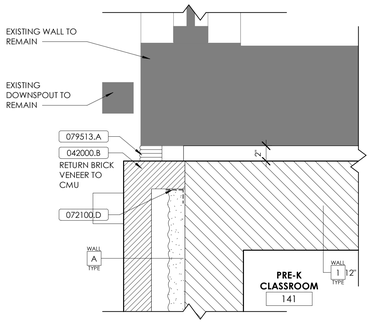
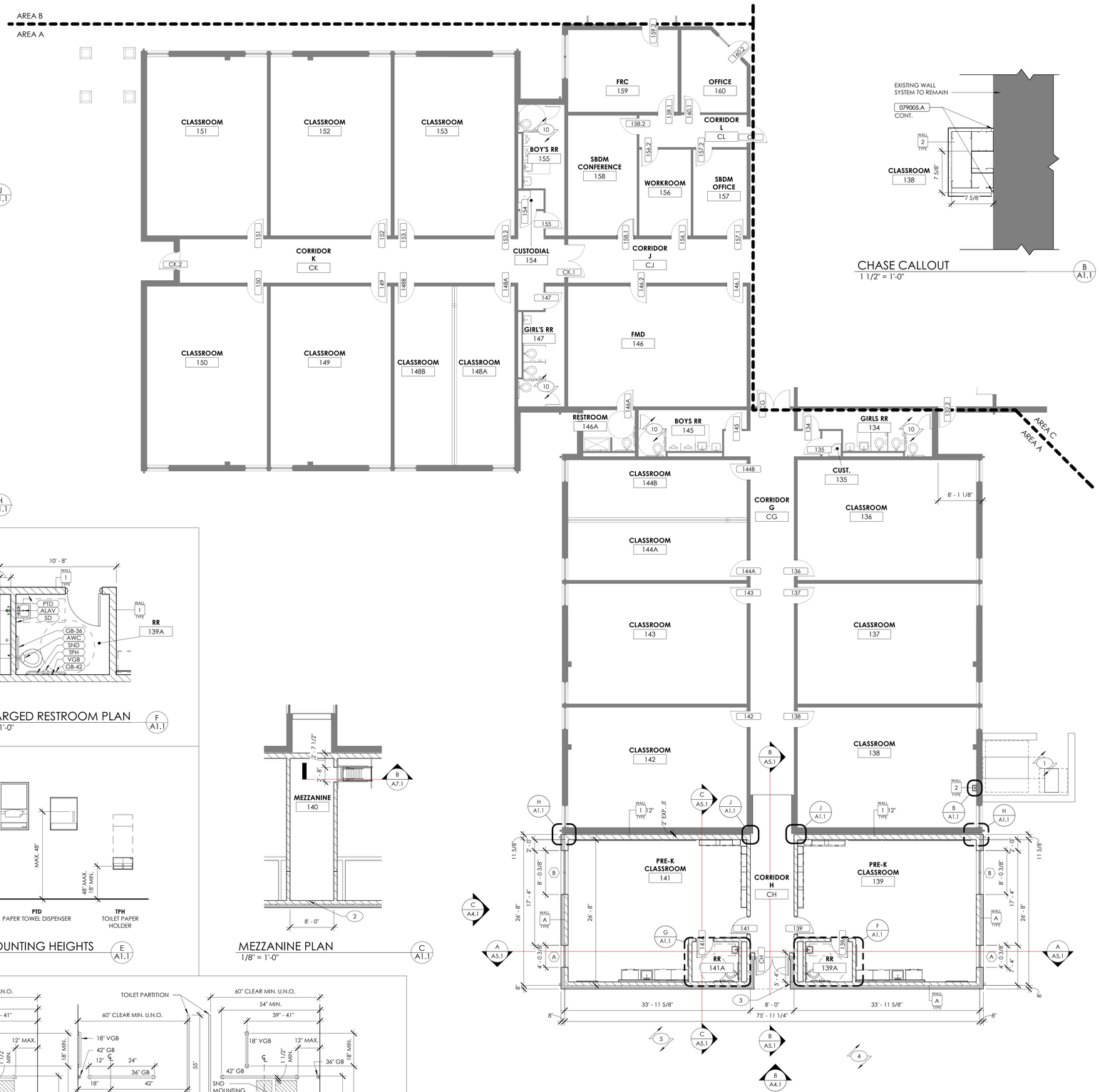


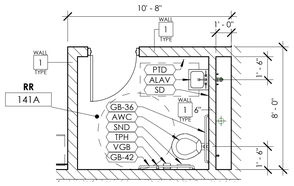
PLAN DETAIL (J / A1.1)
1 1/2" = 1'-0"



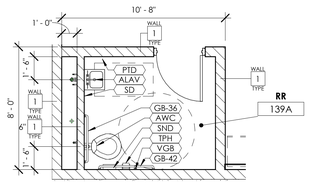
PLAN DETAIL (H / A1.1)
1 1/2" = 1'-0"



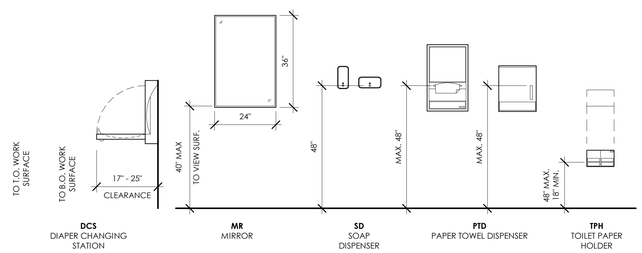
CHASE CALLOUT (B / A1.1)
1 1/2" = 1'-0"



ENLARGED RESTROOM PLAN (G / A1.1)
1/4" = 1'-0"

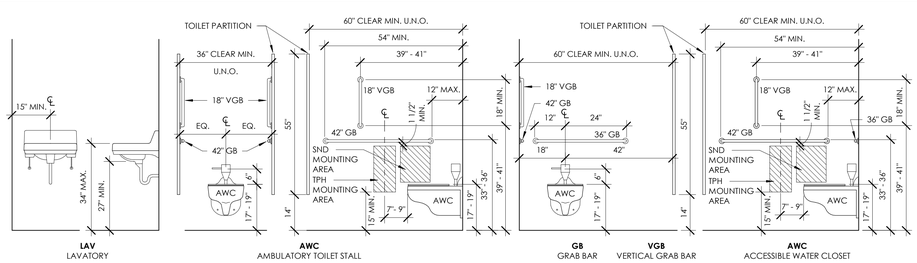


ENLARGED RESTROOM PLAN (F / A1.1)
1/4" = 1'-0"



TOILET ACCESSORIES, DEVICE, AND EQUIPMENT MOUNTING HEIGHTS (E / A1.1)
1/2" = 1'-0"

MEZZANINE PLAN (C / A1.1)
1/8" = 1'-0"



PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS (D / A1.1)
1/2" = 1'-0"

FLOOR PLAN - AREA A - BASE BID (A / A1.1)
1/8" = 1'-0"

MATERIAL REFERENCE

042000.B	Face Brick
072100.D	Sprayed-In-Place Thermal Insulation
072100.E	Extruded Polystyrene Board Insulation
079005.A	Joint Sealant
079513.A	Joint Covers

PLAN NOTES

1. NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2. NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4. REFER TO ALTERNATE #3 - NEW CANOPY.
5. REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
6. REFER TO ALTERNATE #6 - NEW FLOOR FINISH.
7. REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
8. REFER TO ALTERNATE #6 - NEW TELESCOPING BLEACHERS. (126613)
9. REFER TO ALTERNATE #7 - KITCHEN FLOOR FINISH REPLACEMENT. UNDERCUT EXISTING DOORS AS NECESSARY FOR NEW FLOOR.
10. REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11. UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

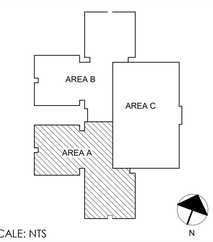
NOTES:

1. COORDINATE ALL PLUMBING FIXTURES AND TOILET ACCESSORIES WITH THE PLUMBING ENGINEER.
2. THE FOLLOWING ITEMS SHALL BE PROVIDED AND INSTALLED BY THE OWNER: PTD, TPH, SD.

TOILET ACCESSORY LEGEND

ALAV	ACCESSIBLE LAVATORY
AWC	ACCESSIBLE WATER CLOSET
GB-36	36" GRAB BAR
GB-42	42" GRAB BAR
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TPH	TOILET PAPER HOLDER
VGB	18" VERTICAL GRAB BAR

KEY PLAN



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NOT FOR CONSTRUCTION

FLOOR PLAN - AREA A
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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Construction Manager:
Codell Construction Co.
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Winchester, Kentucky 40392
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BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/FF

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FLOOR PLAN - AREA A

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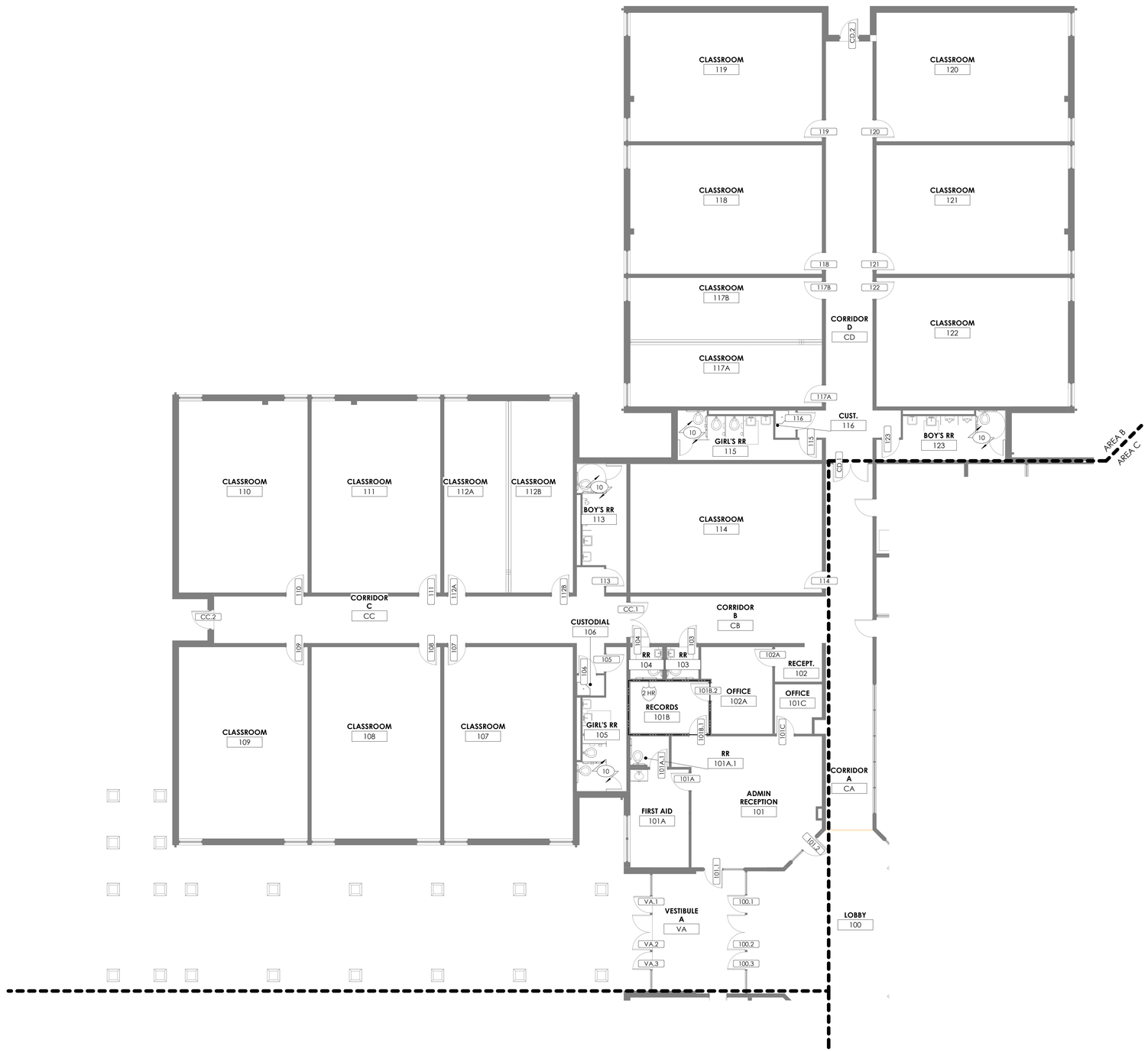


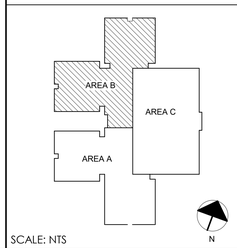
FLOOR PLAN - AREA B
1/8" = 1'-0"
A
A1.2

MATERIAL REFERENCE

PLAN NOTES

1	NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2	NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4	REFER TO ALTERNATE #3 - NEW CANOPY.
5	REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
6	REFER TO ALTERNATE #6 - NEW FLOOR FINISH.
7	REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
8	REFER TO ALTERNATE #6 - NEW TELESCOPING BLEACHERS. (126613)
9	REFER TO ALTERNATE #7 - KITCHEN FLOOR FINISH REPLACEMENT. UNDERCUT EXISTING DOORS AS NECESSARY FOR NEW FLOOR.
10	REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11	UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

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FLOOR PLAN - AREA B
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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Construction Manager:
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/PF

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FLOOR PLAN - AREA B

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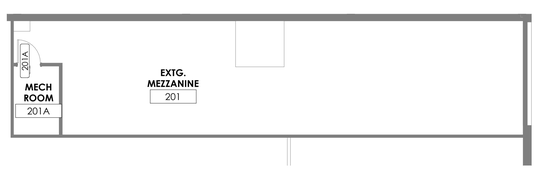
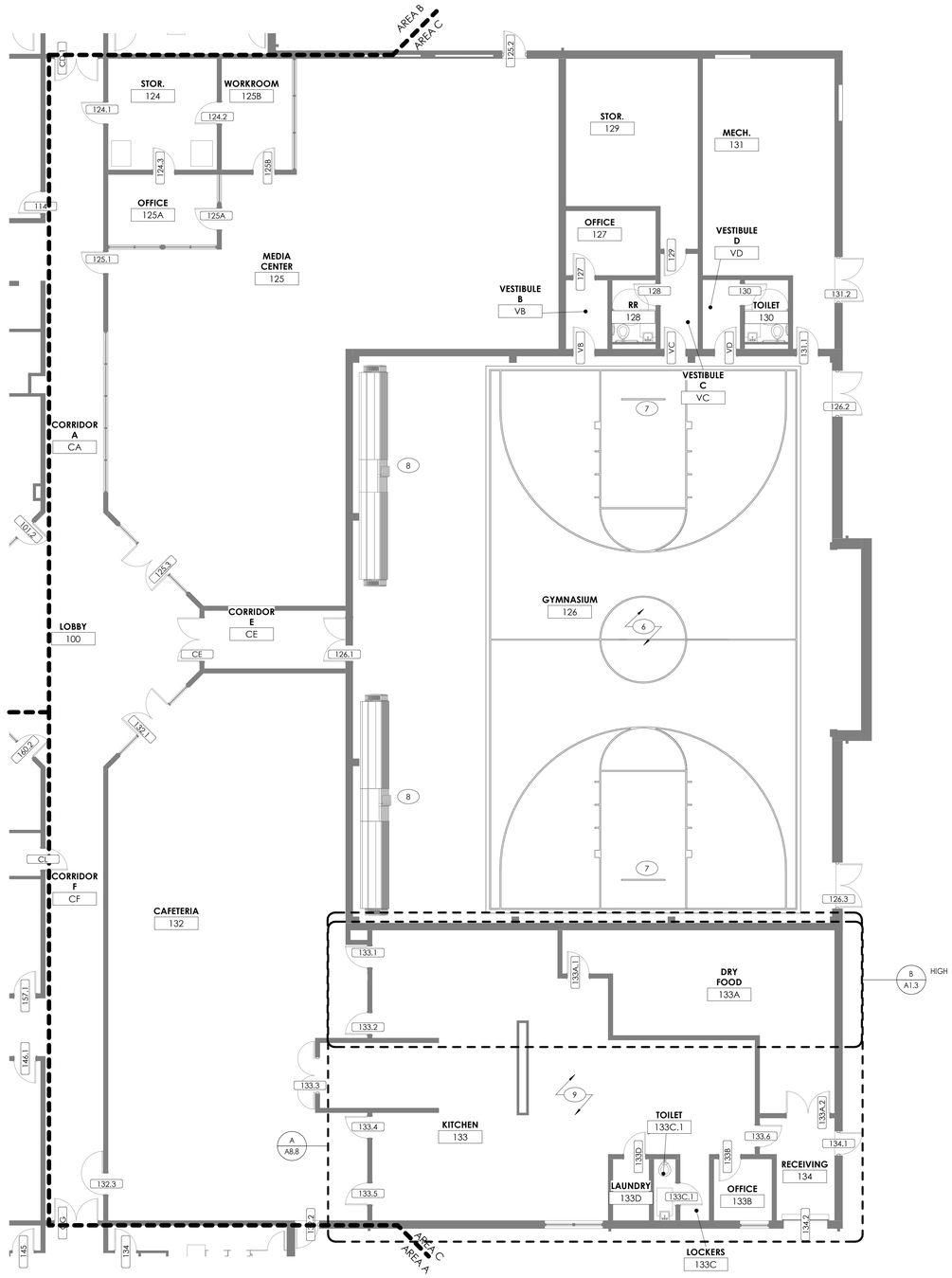


MEZZANINE PLAN
1/8" = 1'-0"
B A1.3



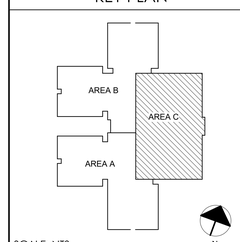
FLOOR PLAN - AREA C
1/8" = 1'-0"
A A1.3

MATERIAL REFERENCE

PLAN NOTES

1	NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2	NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4	REFER TO ALTERNATE #3 - NEW CANOPY.
5	REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
6	REFER TO ALTERNATE #6 - NEW FLOOR FINISH.
7	REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
8	REFER TO ALTERNATE #6 - NEW TELESCOPING BLEACHERS. (126613)
9	REFER TO ALTERNATE #7 - KITCHEN FLOOR FINISH REPLACEMENT. UNDERCUT EXISTING DOORS AS NECESSARY FOR NEW FLOOR.
10	REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11	UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

KEY PLAN



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FLOOR PLAN - AREA C
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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FLOOR PLAN - AREA C

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ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	SIGN TYPE	COMMENTS
100	LOBBY	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
101	ADMIN RECEPTION	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
101A	FIRST AID	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
101A.1	RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
101B	RECORDS	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
101C	OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
102	RECEPT.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
102A	OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
103	RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
104	RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
105	GIRL'S RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
106	CUSTODIAL	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
107	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
108	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
109	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
110	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
111	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
112A	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
112B	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
113	BOY'S RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
114	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
115	GIRL'S RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
116	CUST.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
117A	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
117B	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
118	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
119	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
120	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
121	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
122	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
123	BOY'S RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
124	STOR.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
125	MEDIA CENTER	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
125A	OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
125B	WORKROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
126	GYMNASIUM	ETR / Alt #6 - RAF1 & 4-color mascot	ETR / Alt #6 - RB1	ETR	ETR	ETR	ETR	ETR	NA	
127	OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
128	RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
129	STOR.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
130	TOILET	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
131	MECH.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
132	CAFETERIA	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
133	KITCHEN	ETR / ALT #7 - FE1	ETR / Alt #7 - FE1 flashed up wall	ETR	ETR	ETR	ETR	ETR	ETR	
133A	DRY FOOD	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
133B	OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
133C	LOCKERS	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
133C.1	TOILET	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
133D	LAUNDRY	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
134	GIRLS RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
134	RECEIVING	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
135	CUST.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
136	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
137	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
138	CLASSROOM	ETR & Patch resilient tile to 1 full tile surrounding chase	ETR	ETR	ETR & Paint new chase	ETR	ETR	ETR & Patch Ceiling tile and grid at new chase	ETR	RDS1
139	PRE-K CLASSROOM	RT1-RT2	RB1	P	AP	P	P	ACP1	Sign Type 2	MWS1; RDS1; D1
139A	RR	FE1	FE1 flashed up wall	P	P	P	AP	P-Gyp	Sign Type 3	
141	PRE-K CLASSROOM	RT1-RT2	RB1	P	P	P	AP	ACP1	Sign Type 2	MWS1; RDS1; D1
141A	RR	FE1	FE1 flashed up wall	P	AP	P	P	P-Gyp	Sign Type 3	
142	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
143	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
144A	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
144B	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
145	BOYS RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
146	FMD	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
146A	RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
147	GIRL'S RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
148A	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
148B	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
149	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
150	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
151	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
152	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
153	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	RDS1
155	BOY'S RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
156	WORKROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
157	SBDM OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
158	SBDM CONFERENCE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
159	FRC	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
160	OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CA	CORRIDOR A	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CB	CORRIDOR B	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CC	CORRIDOR C	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CD	CORRIDOR D	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CE	CORRIDOR E	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CF	CORRIDOR F	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CG	CORRIDOR G	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CH	CORRIDOR H	RT1 - RT3	RB1	P	P & Exposed Brick	P	P & Exposed Brick	ACP1 & P - Gyp	Sign Type 4	Do not paint exposed brick. Decorative FRP on walls; D2
CJ	CORRIDOR J	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CK	CORRIDOR K	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
CL	CORRIDOR L	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
VA	VESTIBULE A	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
VB	VESTIBULE B	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
VC	VESTIBULE C	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
VD	VESTIBULE D	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	

OPTIMUM MOUNTING HEIGHTS

ITEM (DIMENSION TO)	GRADE LEVEL		
	PRE-SCHOOL KINDERGARTEN	1 THRU 3	4 THRU 6
VISUAL DISPLAY BOARDS - MARKER, TACK, CHALK	TOP 70" BOTTOM 22"	TOP 73" BOTTOM 25"	TOP 77" BOTTOM 29"
COUNTERTOP: STANDING POSITION (TOP)	24"	26"	30"
DESKTOP/TABLETOP: SEATED POSITION (TOP)	18"	20"	23"
PANIC DEVICE DOOR HARDWARE (CENTERLINE)	27"	31"	36"
FIRE EXTINGUISHER CABINET (BOTTOM)	32"		
FIRE EXTINGUISHER CABINET (CENTER OF VALVE LINE)	64"		
COAT HOOK (CENTERLINE)	36"	41"	48"

FINISH LEGEND

SPEC SECTION	KEY	BASIS OF DESIGN
092116	FRP1	DIGITALLY PRINTED FRP EQUAL MARLITE ARTIZAN
095113	ACP1	ACOUSTICAL CEILING TILE - 2 X 2
096500	RT1-RT3	RESILIENT TILE FLOORING - 12" X 12"
096513	RB1	RESILIENT BASE - 4" COVE
096566	RAF1	RESILIENT ATHLETIC FLOORING
096723	FE1	DECORATIVE FLAKE EPOXY FLOORING
099000	P	TYPICAL PAINT
	AP	ACCENT PAINT - UP TO SIX COLORS
101101		VISUAL DISPLAY BOARDS
101424		SIGNAGE
101550		TOILET COMPARTMENTS
102600		CORNER GUARDS
102800		TOILET AND BATH ACCESSORIES
122413	MWS1	MANUALLY OPERATED WINDOW SHADES
	RDS1	ROLLER DOOR SHADES
123550	HPL1	PLASTIC LAMINATE BASE AND WALL CABINETS
	HPL2	PLASTIC LAMINATE COUNTERTOPS

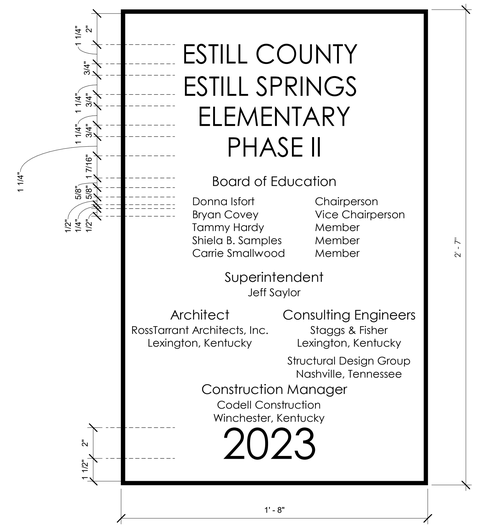
EQUIPMENT LEGEND

A4	4'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
A6	6'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
A8	8'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
B4	4'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
B6	6'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
C	CORNER GUARD	REFER TO SPEC.
D1	TACK STRIP MOUNT 2" BELOW CEILING AT ROOM PERIMETER	REFER TO SPEC.
D2	TACK STRIP MOUNT AT 3'-0" AND 5'-0" ABOVE FLOOR	REFER TO SPEC.
E	INSTRUCTOR'S DESK/LECTERN	N.I.C.
F	STUDENT COMPUTER LOCATION	N.I.C.
G	INTERACTIVE BOARD	N.I.C.

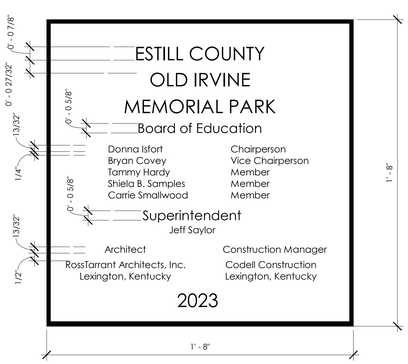
MATERIAL REFERENCE

ROOM FINISH NOTES

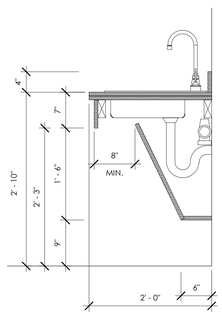
1. ALL WALLS, GYPSUM BOARD CEILINGS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, ALL UNFINISHED SURFACES EXPOSED AFTER CONSTRUCTION IS COMPLETE SHALL RECEIVE PAINT UNLESS OTHERWISE NOTED.
2. ALL UNFINISHED EXTERIOR SURFACES INCLUDING CONCRETE BLOCK, STEEL LINTELS, ETC... WILL RECEIVE A PAINT SYSTEM. REFER TO THE SPECIFICATION FOR ADDITIONAL INFORMATION.
3. REFER TO FLOOR PLANS FOR WALL ASSEMBLY TYPES.
4. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ON CEILINGS AND SOFFIT LOCATIONS.
5. PROVIDE COLOR MATCHING CAULK AT THE INTERSECTION OF HOLLOW METAL FRAMES AND HARD SURFACE FLOORING, TYP.
6. WHERE FLOOR TILE BORDERS/PATTERNS OCCUR, THE CENTER "FIELD" TILES SHALL BE FULL SIZE TILES AND THE BORDER TILES ALONG THE WALL SHALL BE CUT TO CENTER THE FIELD TILES.
7. ALL FURNITURE/EQUIPMENT SHOWN DASHED IS FOR REFERENCE ONLY AND IS NOT IN THIS CONTRACT.
8. ALL CASEWORK TOE KICK AREAS AND/OR OTHER CASEWORK SURFACES WHICH ABUT FLOOR FINISHES WILL RECEIVE RESILIENT BASE.
9. WHERE MARKERBOARDS AND TACKBOARDS ARE TOO WIDE FOR THE LOCATION INDICATED, THE SUPPLIER SHALL NOTIFY THE DESIGNER AND MODIFY THE WIDTH ACCORDINGLY.
10. IN SOME CASES MORE THAN ONE TYPE OF FLOORING AND/OR CEILING FINISH WILL OCCUR IN ONE SPACE - REFER TO FLOOR PLANS, REFLECTED CEILING PLANS, FINISH SCHEDULE AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11. PROVIDE MECHANICALLY FASTENED, WALL CORNER GUARDS FOR ALL OUTSIDE GYPSUM CORNERS, TYP. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
12. COUNTERTOP & SHELVING BRACKETS (WHERE APPLICABLE WILL BE EQUAL TO A&M HARDWARE STEEL BRACKETS, SIZES SHALL ACCOMMODATE THE VARIOUS DEPTHS INDICATED IN THE DRAWINGS.
13. ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.



PLAQUE - ESTILL SPRINGS
3" = 1'-0"
B A2.0



PLAQUE - MEMORIAL
3" = 1'-0"
C A2.0



PER 306.3 & 306.2

NOTE: SPEC. 123550

PROVIDE MANUFACTURER'S ADA ACCESSIBLE SINK BASE CABINET DESIGN. ENSURE ALL DIMENSIONS, HEIGHTS AND CONSTRUCTION MEET ADA ACCESSIBILITY REQUIREMENTS. COORDINATE CABINET CONSTRUCTION WITH SINK SIZES AND LOCATIONS.

ADA ACCESSIBILITY GUIDELINES
4.19.2 LAVATORY HEIGHTS & CLEARANCES

LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34 IN (865 mm) ABOVE THE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29 IN (735 mm) ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE APRON. THE FOLLOWING KNEE CLEARANCE IS REQUIRED UNDERNEATH THE LAVATORY: 27 IN (685 mm) MINIMUM FROM THE FLOOR TO THE UNDERSIDE OF THE LAVATORY WHICH EXTENDS 8 IN (205 mm) MINIMUM MEASURED FROM THE FRONT EDGE UNDERNEATH THE LAVATORY BACK TOWARDS THE WALL; IF A MINIMUM 9 IN (230 mm) OF TOE CLEARANCE IS PROVIDED. A MAXIMUM OF 6 IN (150 mm) OF THE 48 IN (1220 mm) OF CLEAR FLOOR SPACE REQUIRED AT THE FIXTURE MAY EXTEND INTO THE TOE SPACE. (4.19.2, 4.19.6)

EXCEPTION 1: LAVATORIES USED PRIMARILY BY CHILDREN AGES 6 THROUGH 12 SHALL BE PERMITTED TO HAVE AN APRON CLEARANCE AND A KNEE CLEARANCE 24 IN (610 mm) HIGH MINIMUM PROVIDED THAT THE RIM OR COUNTER SURFACE IS NO HIGHER THAN 30 IN (760 mm).

EXCEPTION 2: LAVATORIES USED PRIMARILY BY CHILDREN AGES 5 AND YOUNGER SHALL NOT BE REQUIRED TO MEET THESE CLEARANCES IF CLEAR FLOOR SPACE FOR A PARALLEL APPROACH COMPLYING WITH 4.2.4 IS PROVIDED.

FOR MORE INFORMATION, REFER TO: http://www.access-board.gov/adaag/html/adaag.htm#4.19

ADA SINK SECTION
1" = 1'-0"
A A2.0

SIGNAGE TYPES

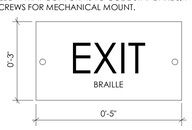
SEE SPECIFICATION 101424 FOR SIGN MANUFACTURING AND INSTALLATION DETAILS

SIGN TYPE 1 (TYPICAL): TYPICAL 8"H X 8"W PANEL SIGN - REFER TO SPECIFICATION FOR DETAILS ON MATERIALS AND MECHANICAL MOUNTING DETAILS

SIGN TYPE 2 (WITH WINDOW): TYPICAL 8"H X 8"W PANEL SIGN WITH OPENING FOR REMOVABLE PAPER INSERT- REFER TO SPECIFICATION FOR DETAILS ON MATERIALS AND MECHANICAL MOUNTING DETAILS

SIGN TYPE 3 (RESTROOM & OTHER SYMBOL SIGNS) : TYPICAL 8"H X 8"W PANEL SIGN WITH SYMBOL - REFER TO SPECIFICATION FOR DETAILS ON MATERIALS AND MECHANICAL MOUNTING DETAILS

SIGN TYPE 4 (EXIT) : 3"H X 5"W PANEL SIGN AS SHOWN BELOW THAT CONFORMS TO CODE STANDARDS, TWO SCREWS FOR MECHANICAL MOUNT.



SIGN TYPE 5 (DIRECTIONAL) : NOT USED

SIGN TYPE 6 (EXIT STAIR) : NOT USED

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NOT FOR CONSTRUCTION

ROOM FINISH SCHEDULE
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

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

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	KC/MJ
Rev'd By:	DC

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A2.0

ROOM FINISH SCHEDULE

DATE ISSUED:
05/09/2022

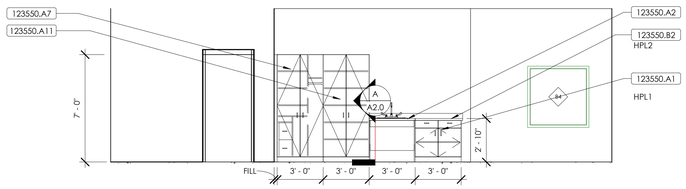
REVISIONS

#	DATE	DESCRIPTION

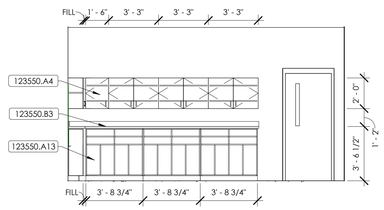
MATERIAL REFERENCE

092116.O	FRP Panels
096513.A	Resilient Wall Base & Accessories
101101.A	Visual Display Surfaces
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.A11	Plastic Laminate Full-Height Storage Cabinet
123550.A13	Plastic Laminate Cubby
123550.B2	Plastic Laminate Countertop & Backsplash
123550.B3	Plastic Laminate Countertop w/ Back & Side Splashes

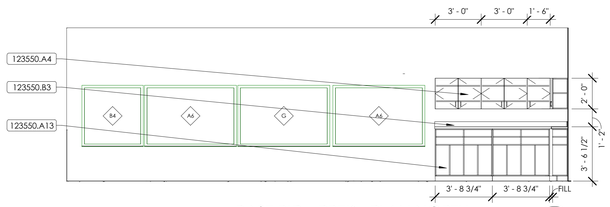
FLOOR PLAN - AREA A - INTERIORS
1/8" = 1'-0" (A A2.1)



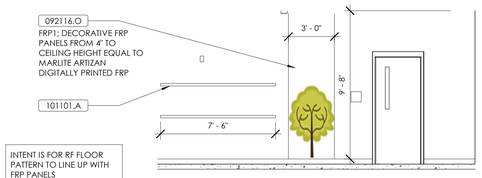
BASE BID - PREK - PLAN SOUTH
1/4" = 1'-0" (D A2.1)



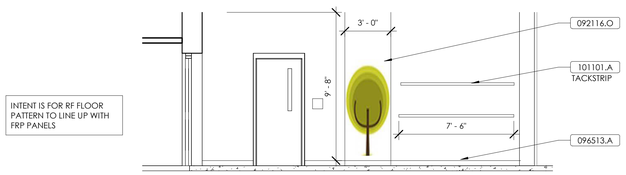
BASE BID - PREK K - CUBBIES
1/4" = 1'-0" (C A2.1)



BASE BID - PREK - PLAN NORTH
1/4" = 1'-0" (B A2.1)



BASE BID - CORRIDOR PLAN EAST
1/4" = 1'-0" (F A2.1)



BASE BID - CORRIDOR PLAN WEST
1/4" = 1'-0" (E A2.1)

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NOT FOR CONSTRUCTION

FLOOR PLAN - AREA A - INTERIORS

ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
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p 859.271.3246

Structural Engineer:
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Construction Manager:
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BG# 22-207

Project No:	2148
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Rev'd By:	DC

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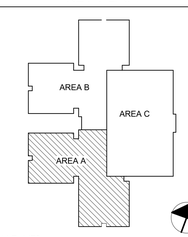
KEY PLAN



SCALE: NTS

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A2.1

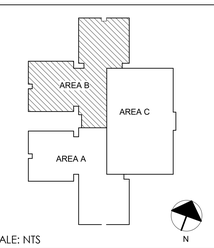
FLOOR PLAN - AREA A - INTERIORS
DATE ISSUED:
05/09/2022

REVISIONS

#	DATE	DESCRIPTION

FLOOR PLAN - AREA B - INTERIORS
1/8" = 1'-0"
A
A2.2

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

FLOOR PLAN - AREA B - INTERIORS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
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FLOOR PLAN - AREA B - INTERIORS
DATE ISSUED:
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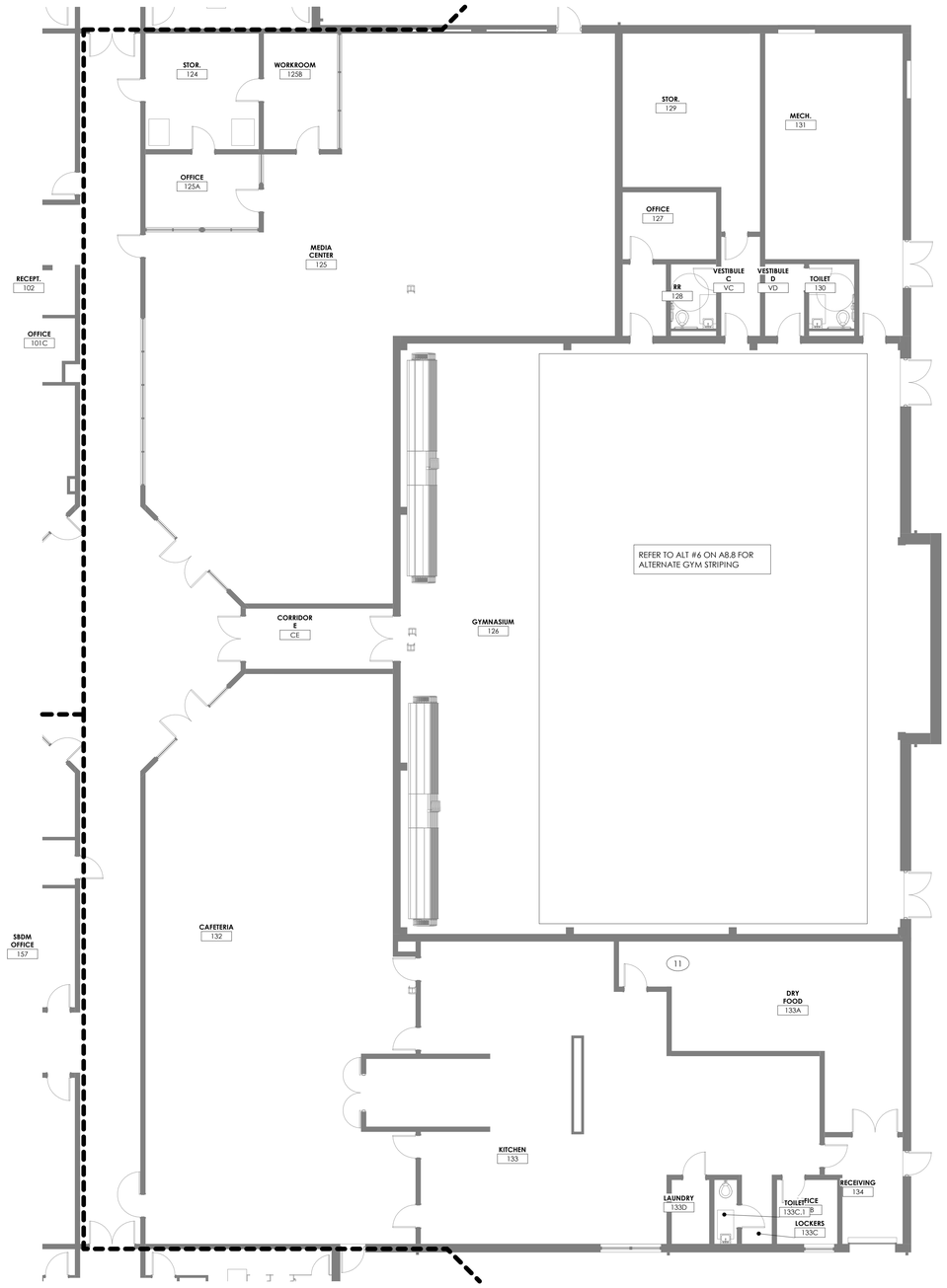
#	DATE	DESCRIPTION

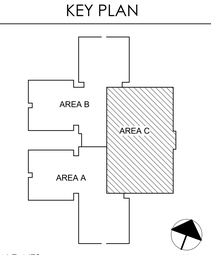


REFERENCE PLAN - INTERIORS
1/8" = 1'-0"
A
A2.3

PLAN NOTES

1	NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2	NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4	REFER TO ALTERNATE #3 - NEW CANOPY.
5	REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
6	REFER TO ALTERNATE #6 - NEW FLOOR FINISH.
7	REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
8	REFER TO ALTERNATE #6 - NEW TELESCOPING BLEACHERS. (126613)
9	REFER TO ALTERNATE #7 - KITCHEN FLOOR FINISH REPLACEMENT. UNDERCUT EXISTING DOORS AS NECESSARY FOR NEW FLOOR.
10	REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11	UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

KEY PLAN



SCALE: NTS

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

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FLOOR PLAN - AREA C - INTERIORS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
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Structural Engineer:
Structural Design Group, Inc.
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Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	KC / MJ
Rev'd By:	DC

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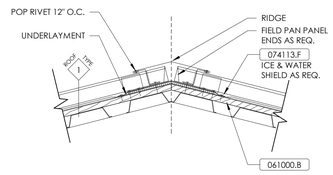
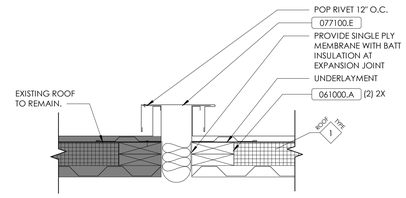
FLOOR PLAN - AREA C - INTERIORS
DATE ISSUED:
05/09/2022

REVISIONS

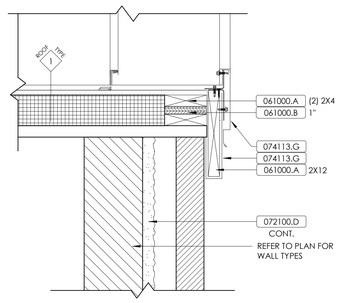
#	DATE	DESCRIPTION



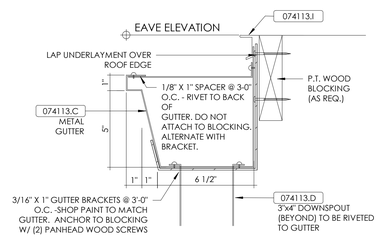
TYP. RIDGE DETAIL - METAL
N.T.S.
E / A3.1



TYP. EXP. JOINT DETAIL - METAL
N.T.S.
C / A3.1

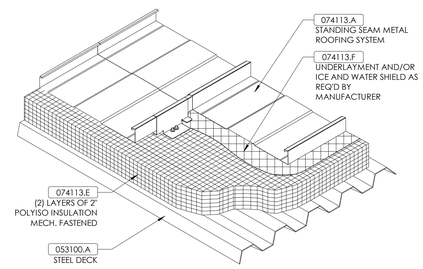


TYP. RAKE DETAIL - METAL
N.T.S.
H / A3.1



NOTE: METAL ROOFING CONTRACTOR'S STANDARD GUTTER DESIGN IS NOT ACCEPTABLE UNLESS IN COMPLIANCE WITH THIS DETAIL.

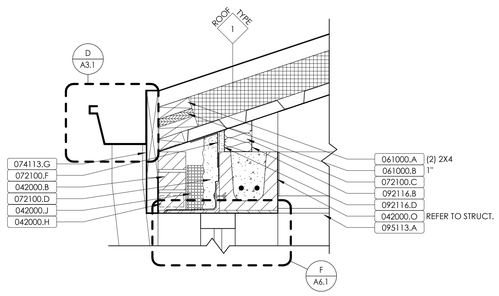
GUTTER DETAIL - METAL ROOF
N.T.S.
D / A3.1



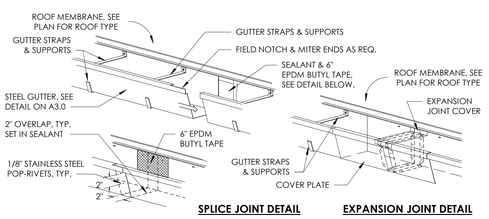
ROOF TYPE 1

STANDING SEAM METAL ROOFING SYSTEM OVER 2 LAYERS OF 2" POLYISO INSULATION, MECHANICALLY FASTENED TO DECKING. REFER TO ROOF PLAN FOR ROOF SLOPES AND EDGE CONDITIONS. REFER TO SPECIFICATION SECTION 074113 FOR MORE DETAILS.

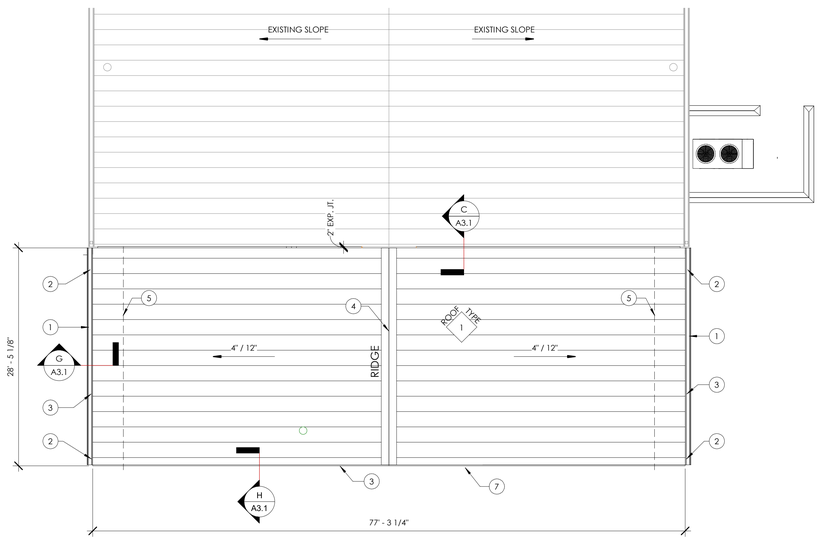
ROOF TYPE 1



ROOF EDGE DETAIL
1 1/2" = 1'-0"
G / A3.1



TYP. GUTTER EXP. & SPLICE JOINT
1" = 1'-0"
F / A3.1



ROOF PLAN - AREA A
1/8" = 1'-0"
A / A3.1

MATERIAL REFERENCE

042000.B	Face Brick
042000.H	Vents and Weeps
042000.J	Mortar Deflection Material
042000.O	Bond Beam
053100.A	Roof Deck
061000.A	Wood Blocking
061000.B	Plywood Sheathing
072100.C	Thermal Batt Insulation
072100.D	Sprayed-In-Place Thermal Insulation
072100.F	Transition Membrane
074113.A	Metal Roof Panels
074113.C	Gutter
074113.D	Downspout
074113.E	Polyisocyanurate Insulation
074113.F	Ice and Water Shield
074113.G	Metal Wrap and Trim
074113.J	Drip Edge
077100.E	Expansion Joint
092116.B	Metal Studs and Runners
092116.D	Fiberglass-Faced Exterior Gypsum Board
095113.A	Acoustical Panel Ceiling System

ROOF NOTES

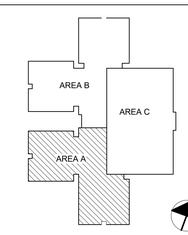
#	
1	GUTTER. SEE DETAIL E/A3.1. (074113)
2	DOWNSPOUT. SEE DETAIL D/A3.1. (074113)
3	FASCIA. SEE DETAIL x/Ax.x.
4	VENTED RIDGE. SEE DETAIL D/A3.1.
5	ICE AND WATER SHIELD. (074113)
6	EXPANSION JOINT. SEE DETAIL C/A3.1.
7	NEW EXHAUST FAN. REFER TO MEP DWGS FOR MORE INFORMATION.

ROOF LEGEND

REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.

VTR	VENT THROUGH ROOF. COORDINATE WITH MEP DRAWINGS.	O

KEY PLAN



SCALE: NTS

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

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ROOF PLAN & CANOPY DETAILS
FOR:
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
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Construction Manager:
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BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/PF

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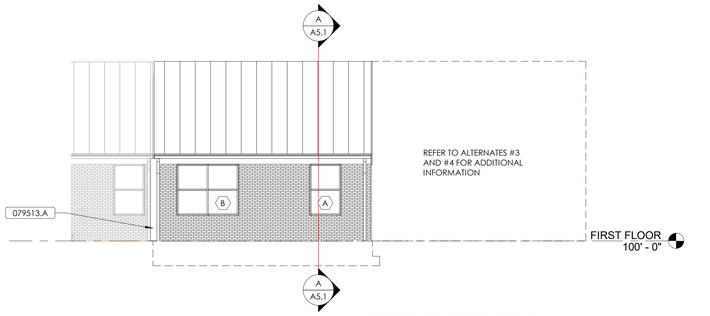
ROOF PLAN & CANOPY DETAILS
DATE ISSUED:
05/09/2022

REVISIONS

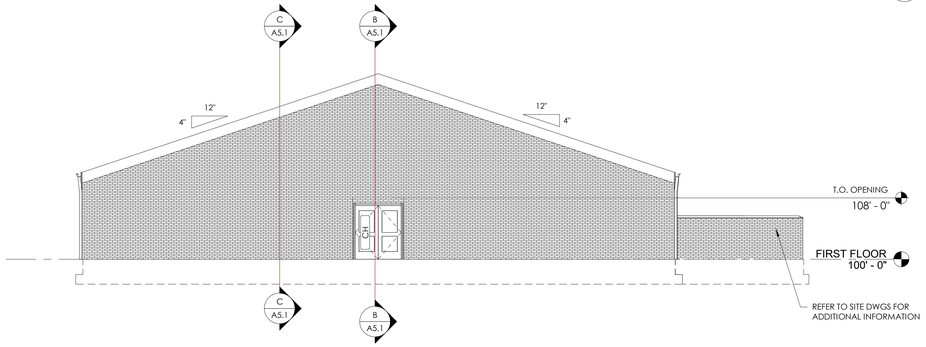
#	DATE	DESCRIPTION

MATERIAL REFERENCE

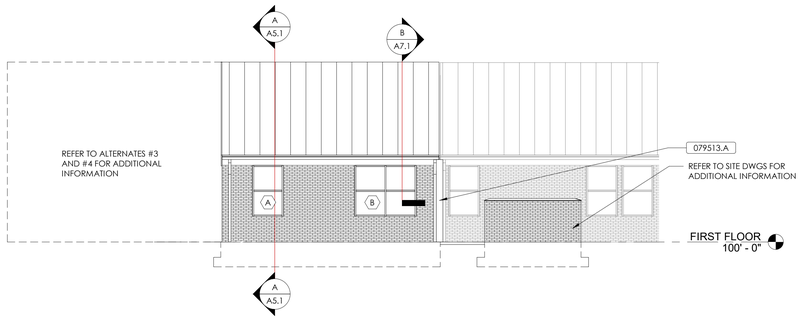
079513.A.	Joint Covers



BUILDING ELEVATION
1/8" = 1'-0"
C
A4.1



BUILDING ELEVATION
1/8" = 1'-0"
B
A4.1

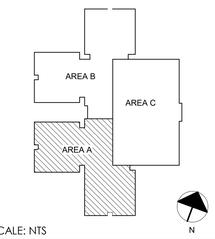


BUILDING ELEVATION
1/8" = 1'-0"
A
A4.1

GENERAL ELEVATION NOTES

1. COORDINATE EXTERIOR FINISHES WITH CHANGES IN GRADE. REFER TO SITE DRAWINGS FOR GRADE INFORMATION.
2. COORDINATE LOCATION OF DOWNSPOUT BOOTS WITH SITE DRAWINGS.
3. COORDINATE FOUNDATION DESIGN WITH STRUCTURAL DRAWINGS.

KEY PLAN



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BUILDING ELEVATIONS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
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Construction Manager:
Codell Construction Co.
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Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/PF

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BUILDING ELEVATIONS

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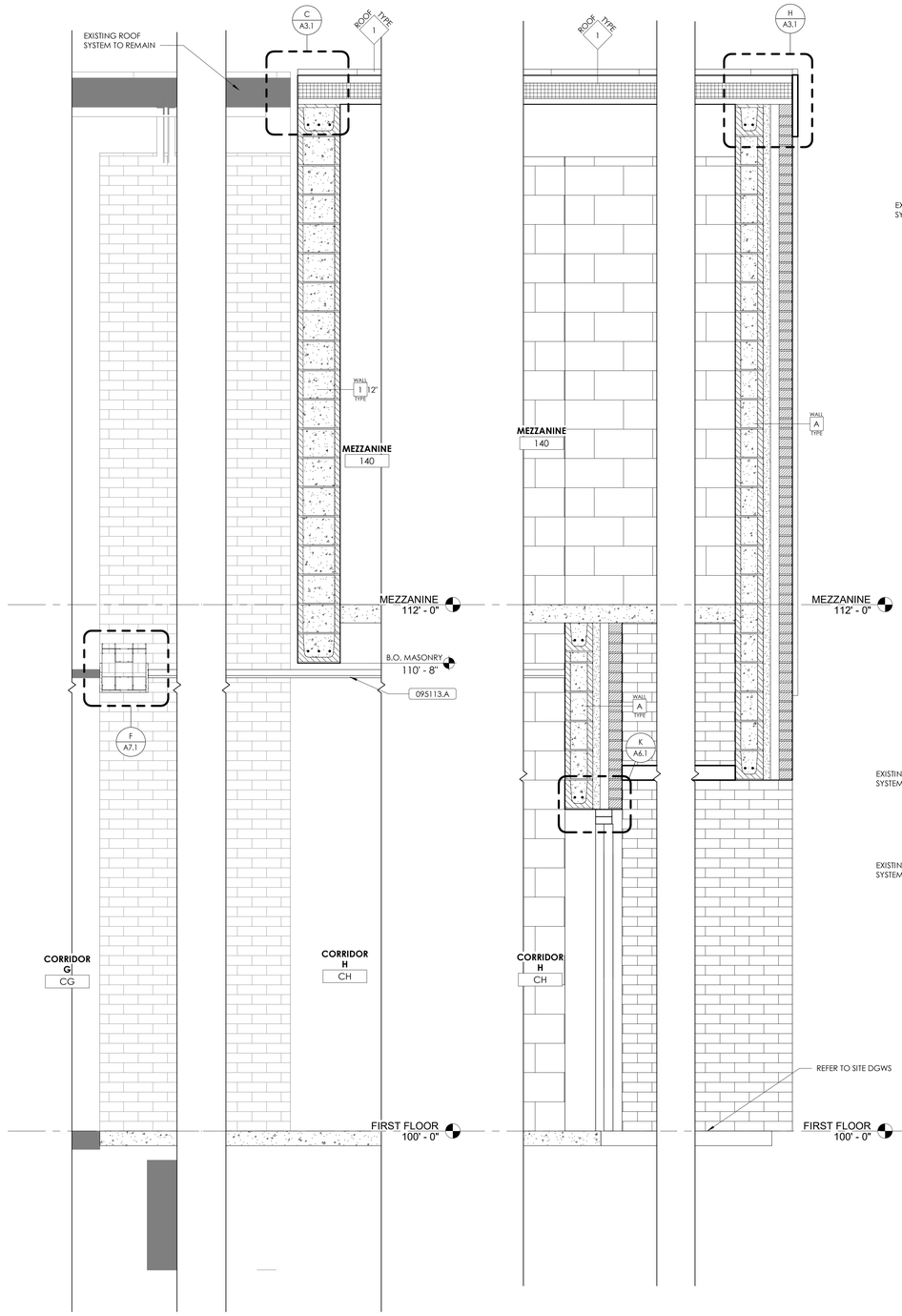
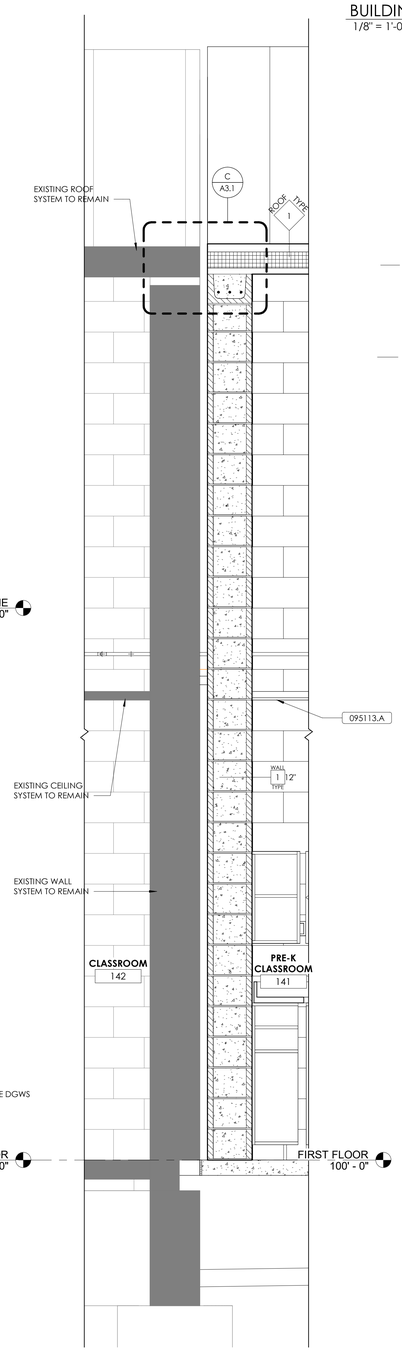
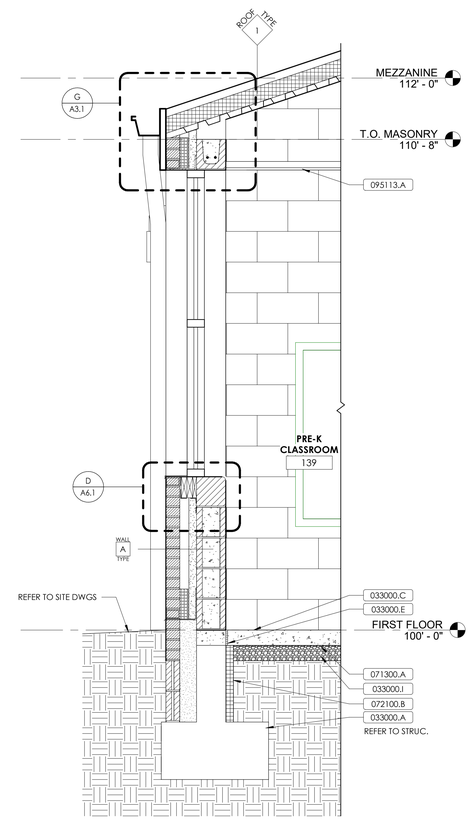


WALL SECTION - BASE BID (G A5.1)
3/4" = 1'-0"

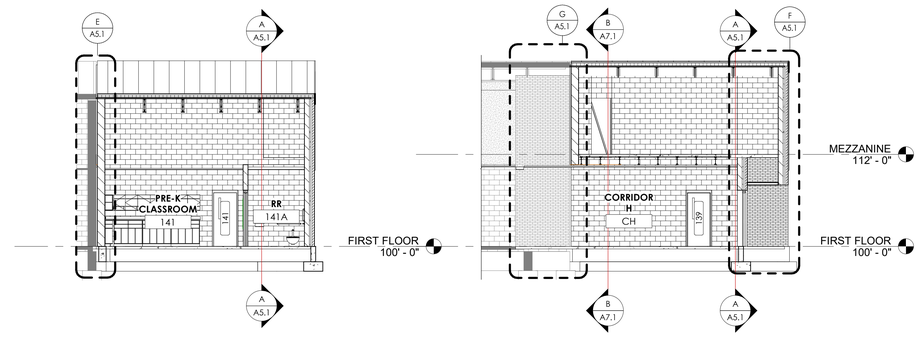
WALL SECTION - BASE BID (F A5.1)
3/4" = 1'-0"



WALL SECTION - BASE BID (E A5.1)
3/4" = 1'-0"

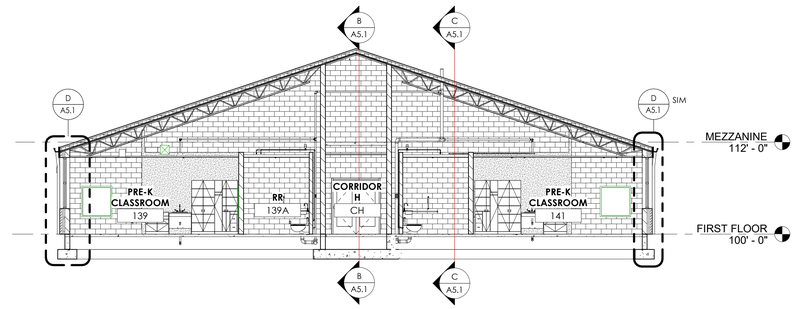


WALL SECTION - BASE BID (D A5.1)
3/4" = 1'-0"



BUILDING SECTION - BASE BID (C A5.1)
1/8" = 1'-0"

BUILDING SECTION - BASE BID (B A5.1)
1/8" = 1'-0"



BUILDING SECTION - BASE BID (A A5.1)
1/8" = 1'-0"

MATERIAL REFERENCE

033000.A	Footing
033000.C	Slab-on-Grade
033000.E	Isolation Joint Material
033000.I	Granular Sub-base
071300.A	Underslab Vapor Barrier
072100.B	Perimeter Foundation Board Insulation
095113.A	Acoustical Panel Ceiling System

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BUILDING & WALL SECTIONS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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BUILDING & WALL SECTIONS

DATE ISSUED:
05/09/2022

REVISIONS

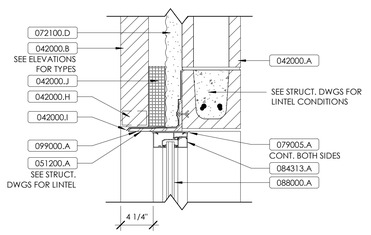
#	DATE	DESCRIPTION

NEW DOOR AND FRAME SCHEDULE BASE BID

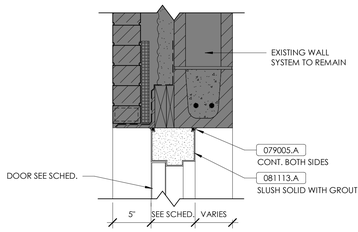
DOOR NUMBER	PAIR	DOOR W	DOOR H	DOOR THICK	DOOR MAT	DOOR TYPE	DOOR GLASS	FRAME MAT	FRAME TYPE	FRAME THICK	DETAIL HEAD	DETAIL JAMB	FIRE RATING	SECURITY CARD ACCESS	SECURITY KEY ACCESS	SECURITY EXIT ONLY	ADA ACTIVATOR	MAG HOLD	SET NO.	COMMENTS
101A		3' - 0"	7' - 0"	1 3/4"	ETR	F	-	ETR	ETR	5 7/8"	ETR	ETR								NEW HARDWARE
101A.1		3' - 0"	7' - 0"	1 3/4"	ETR	F	-	ETR	ETR	5 7/8"	ETR	ETR								NEW HARDWARE
101B.1		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	7 1/8"	ETR	ETR								NEW HARDWARE
101B.2		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	7 1/8"	ETR	ETR								NEW HARDWARE
101C		3' - 0"	7' - 0"	1 3/4"	ETR	F	-	ETR	ETR	5 7/8"	ETR	ETR								NEW HARDWARE
102A		3' - 0"	7' - 0"	1 3/4"	ETR	F	-	ETR	ETR	5 7/8"	ETR	ETR								NEW HARDWARE
103		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
104		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
107		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
108		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
109		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
110		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
111		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
112A		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
112B		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
114		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
117A		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
117B		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
118		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
119		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
120		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
121		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
122		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
124.1		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
124.2		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
124.3		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
125.1		3' - 0"	6' - 8"	1 3/4"	ETR	NVG	ETR	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
125.2		3' - 0"	6' - 8"	1 3/4"	HM	NVG	T.I.	HM		5 3/4"										BASE BID
125A		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
125B		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
133.1		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
133.2		3' - 0"	6' - 8"	1 3/4"	ETR	F	-	ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
133.3		4' - 8"	7' - 0"	1 3/4"	ETR	F	-	ETR	ETR	5 3/4"	ETR	ETR								NEW HARDWARE
133.4		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
133.5		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
133.6		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
136		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
137		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
138		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
139		3' - 0"	7' - 0"	1 3/4"	WD	NVG	T.	HM	1	5 3/4"	G/A6.1	H/A6.1								BASE BID
141		3' - 0"	7' - 0"	1 3/4"	WD	NVG	T.	HM	1	5 3/4"	G/A6.1	H/A6.1								BASE BID
142		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
143		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
144A		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
144B		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
146.1		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
146.2		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
148A		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
148B		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
149		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
150		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
151		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
152		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
153.1		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
153.2		3' - 0"	7' - 0"	1 3/4"	ETR	F		ETR	ETR	5 3/4"	ETR	ETR								NEW HARDWARE
157.1		3' - 0"	6' - 8"	1 3/4"	ETR	F		ETR	ETR	8 5/8"	ETR	ETR								NEW HARDWARE
CC.2		3' - 0"	6' - 8"	1 3/4"	ETR	AL1	ETR	ETR	ETR	4 1/2"	ETR	ETR								NEW HARDWARE
CH		6' - 0"	7' - 0"	1 3/4"	AL	AL2	T.I.	AL	2		F/A6.1	E/A6.1								BASE BID
139.A		3' - 0"	7' - 0"	1 3/4"	WD	NVG	T.	HM	1	5 3/4"										
141.A		3' - 0"	7' - 0"	1 3/4"	WD	NVG	T.	HM	1	5 3/4"										

MATERIAL REFERENCE

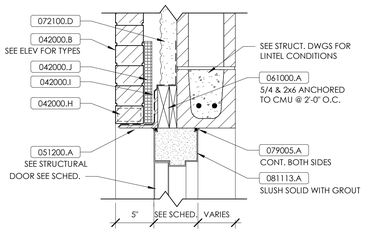
042000.A	Concrete Masonry Unit
042000.B	Face Brick
042000.H	Vents and Weeps
042000.J	Through Wall Flashing
042000.J	Mortar Deflection Material
051200.A	Structural Steel Member
061000.A	Wood Blocking
072100.D	Sprayed-In-Place Thermal Insulation
072100.F	Transition Membrane
079005.A	Joint Sealant
081113.A	Steel Doors & Frames
081113.C	Steel Frame
084313.A	Aluminum Storefront Window
084313.B	Aluminum Storefront Framing
088000.A	Glazing
099000.A	Paint



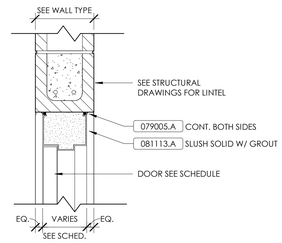
ALUM S.F. EXT HEAD (F / A6.1)
1 1/2" = 1'-0"



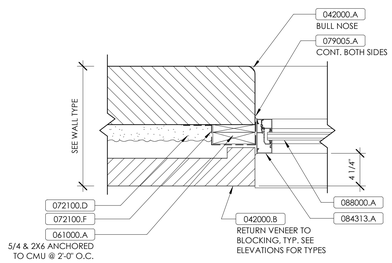
H.M. EXT HEAD CMU - EXISTING (M / A6.1)
1 1/2" = 1'-0"



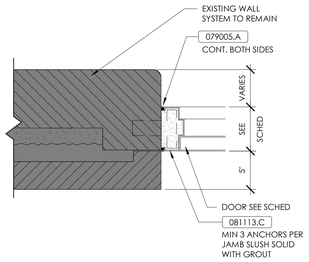
H.M. EXT HEAD CMU (K / A6.1)
1 1/2" = 1'-0"



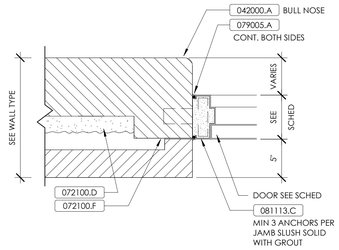
H.M. INT HEAD CMU - DOOR (H / A6.1)
1 1/2" = 1'-0"



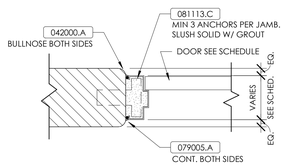
ALUM S.F. EXT JAMB (E / A6.1)
1 1/2" = 1'-0"



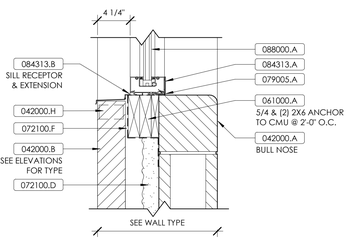
H.M. EXT JAMB CMU - EXISTING (L / A6.1)
1 1/2" = 1'-0"



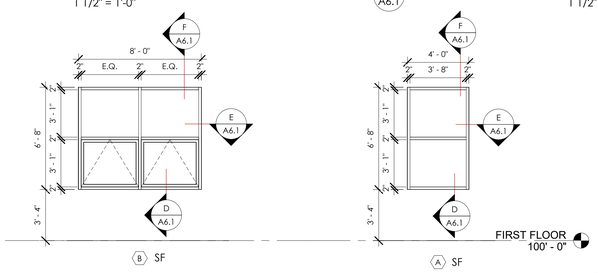
H.M. EXT JAMB CMU (J / A6.1)
1 1/2" = 1'-0"



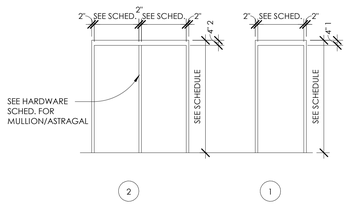
H.M. INT JAMB CMU (G / A6.1)
1 1/2" = 1'-0"



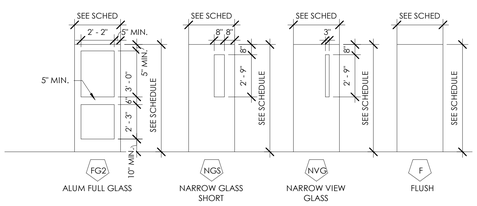
ALUM S.F. EXT SILL (D / A6.1)
1 1/2" = 1'-0"



ALUMINUM STOREFRONT FRAME TYPES (C / A6.1)
1/4" = 1'-0"



HOLLOW METAL FRAME TYPES (B / A6.1)
N.T.S.



DOOR TYPES (A / A6.1)
N.T.S.

DOOR SCHEDULE ABBREVIATION LEGEND:

AL	=	ALUMINUM
AW	=	ALUMINUM WINDOW
ARG	=	ASSAULT RESISTANT GLAZING
BN	=	BULLNOSE
BR	=	BULLET RESISTANT GLAZING
CW	=	CURTAINWALL
F	=	FIRE RATED GLAZING
HM	=	HOLLOW METAL
I	=	INSULATED
IFA	=	INTEGRATED FRAME ASSEMBLY
IP	=	INFILL PANEL
L	=	LAMINATED
O	=	OBSCURE GLAZING
S	=	SMOKE
SF	=	STOREFRONT
SPG.	=	SPANDREL GLAZING
T.	=	TEMPERED
T.I.	=	TEMPERED INSULATED
W	=	WIRE GLASS
WD	=	WOOD

*SEE DRAWING A0.1 FOR MORE ABBREVIATIONS.

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

NOT FOR CONSTRUCTION

DOORS AND FRAME SCHEDULE
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

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

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No: 2148
Drawn By: KM/JK
Rev'd By: JR/PF

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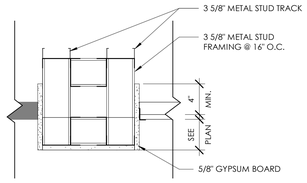
A6.1

DOORS AND FRAME SCHEDULE

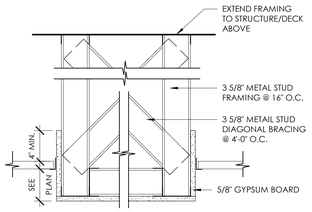
DATE ISSUED:
05/09/2022

REVISIONS

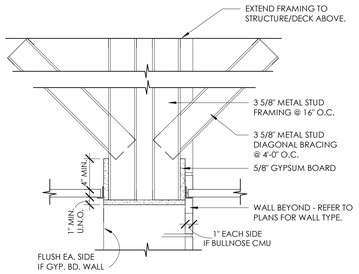
#	DATE	DESCRIPTION



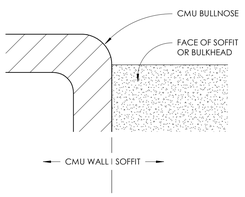
SOFFIT DETAIL (F / A7.1)
1 1/2" = 1'-0"



TYPICAL SOFFIT DETAIL (E / A7.1)
1 1/2" = 1'-0"

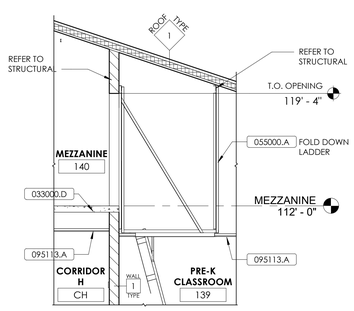


TYPICAL BULKHEAD DETAIL (D / A7.1)
1 1/2" = 1'-0"



PLAN VIEW

TYPICAL SOFFIT DETAIL (C / A7.1)
N.T.S.



ENLARGED LADDER SECTION (B / A7.1)
1/4" = 1'-0"

FIRST FLOOR (1 / A7.1)
1/8" = 1'-0"

MATERIAL REFERENCE

033000.D.	Slab-on-Deck
055000.A.	Ship's Ladder
095113.A.	Acoustical Panel Ceiling System

GENERAL RCP NOTES

1. LIGHT FIXTURES AND HVAC ITEMS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE ALL DIFFUSERS, SPRINKLER HEADS AND LIGHTING FIXTURES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS.
2. SOFFITS AND BULKHEADS WILL RECEIVE ACCENT PAINT COLOR(S) TBD. HORIZONTAL AND VERTICAL SURFACES OF SOFFITS AND BULKHEADS WILL BE PAINTED AN ACCENT COLOR.
3. ALL GYPSUM BOARD CEILINGS, SOFFITS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, AND ETC., REMAINING EXPOSED AFTER CONSTRUCTION IS COMPLETE WILL RECEIVE A FINISH SYSTEM U.N.O. REFER TO THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION.
4. REFER TO THE A1 DRAWINGS FOR REQUIRED FIRE RATINGS OF WALLS AND CEILINGS.
5. DIMENSIONS OF SOFFITS ARE TO THE FACE OF FINISHED GYPSUM BOARD.
6. ELEVATIONS INDICATED ARE TO THE BOTTOM OF FINISH MATERIAL FROM ABOVE FINISH FLOOR.
7. GYPSUM BOARD IS TO BE EXTENDED FOUR INCHES MINIMUM ABOVE FINISHED CEILINGS AT SOFFITS AND BULKHEADS THAT ARE NOT REQUIRED TO MAINTAIN A FIRE RATING OR ACOUSTIC SEPARATION.
8. RECESS FACE OF GYPSUM BOARD INTERIOR SOFFITS AND BULKHEADS ONE INCH FROM FACE OF BULLNOSE CMU.

RCP NOTES

#	
1	MOISTURE RESISTENT GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
2	GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
3	METAL SOFFIT PANEL (073113.G).
4	DROP DOWN LADDER (055000.A) INTEGRATED WITH CEILING GRID.

RCP LEGEND

ROOM NAME / ROOM NUMBER # / CLG. HGT. #	ROOM TAG W/ CEILING HEIGHT
X'-X"	BOTTOM OF SOFFIT ELEVATION ABOVE FINISHED FLOOR
	ACOUSTICAL CEILING TILE & GRID. REFER TO A2 SHEETS FOR SIZES & TYPES
	GYPSUM BOARD BULKHEAD/SOFFIT/CEILING
	HVAC DIFFUSER
	LIGHT FIXTURE IN ACOUSTICAL CEILING GRID
	LIGHT FIXTURE
	EXIT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

NOT FOR CONSTRUCTION

REFLECTED CEILING PLAN - AREA A
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

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

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/PF

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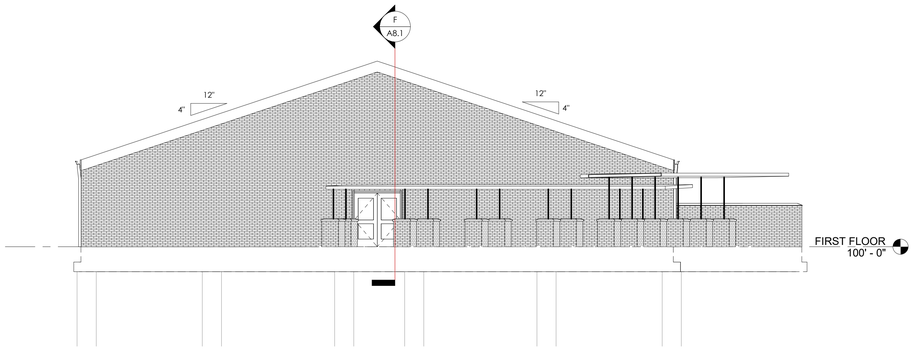
A7.1

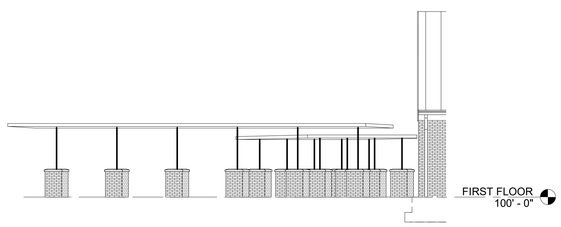
REFLECTED CEILING PLAN - AREA A
DATE ISSUED:
05/09/2022

REVISIONS

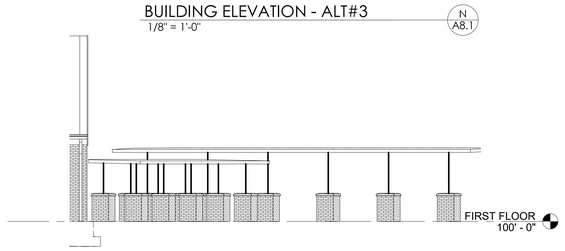
#	DATE	DESCRIPTION



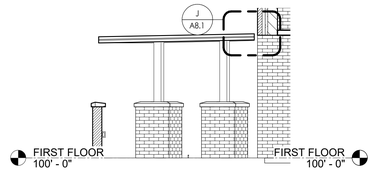
BUILDING ELEVATION - ALT#3 (P A8.1)
1/8" = 1'-0"



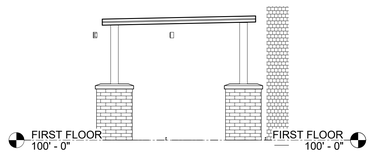
BUILDING ELEVATION - ALT#3 (N A8.1)
1/8" = 1'-0"



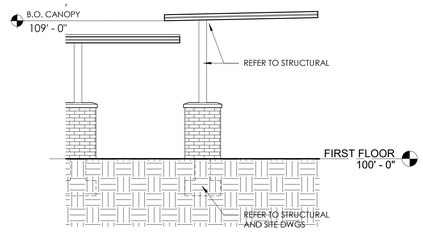
BUILDING ELEVATION - ALT#3 (M A8.1)
1/8" = 1'-0"



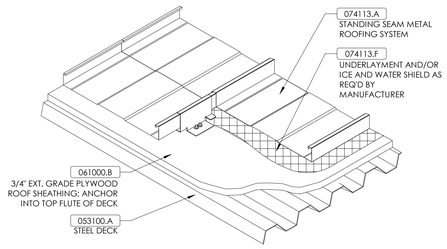
SECTION - ALT#3 (F A8.1)
1/4" = 1'-0"



SECTION - ALT#3 (D A8.1)
1/4" = 1'-0"

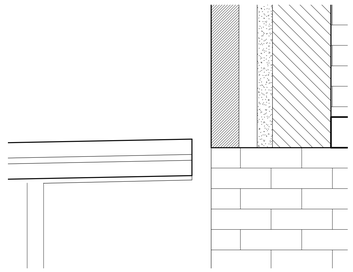


SECTION - ALT#3 (E A8.1)
1/4" = 1'-0"

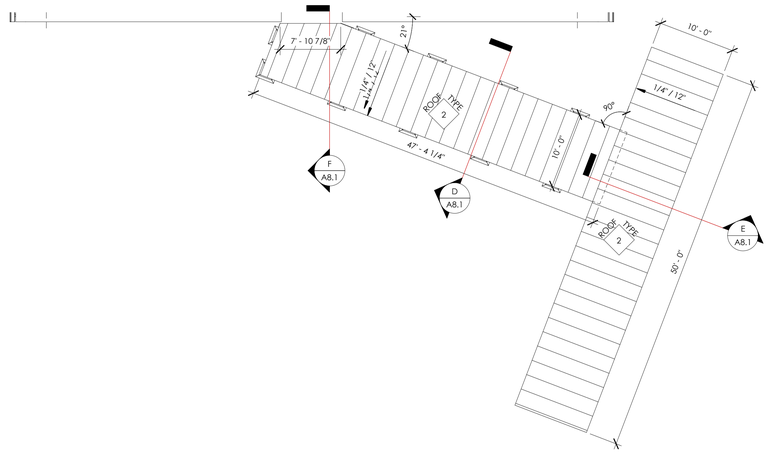


ROOF TYPE 2 — STANDING SEAM METAL ROOFING SYSTEM WITH UNDERLAYMENT AND/OR ICE AND WATER SHIELD AS REQ'D OVER 3/4" EXTERIOR GRADE PLYWOOD ROOF SHEATHING, MECHANICALLY FASTENED TO DECKING. REFER TO ROOF PLAN FOR ROOF SLOPES AND EDGE CONDITIONS. REFER TO SPECIFICATION SECTION 074113.

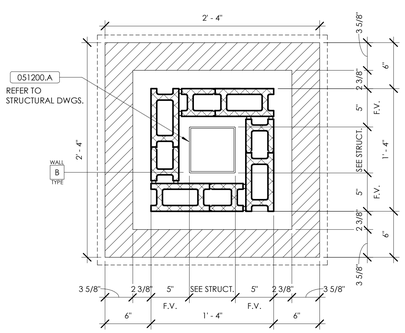
ROOF TYPE 2 (C A8.1)
N.T.S.



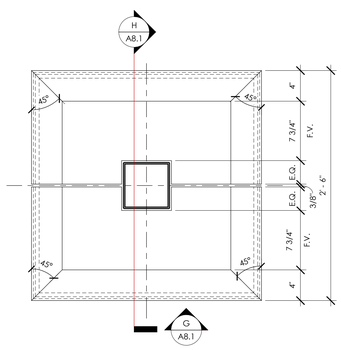
SECTION - ALT#3 (J A8.1)
1 1/2" = 1'-0"



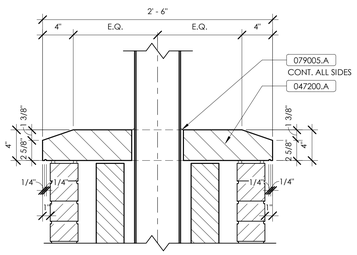
CANOPY ROOF PLAN - ALT#3 (B A8.1)
1/8" = 1'-0"



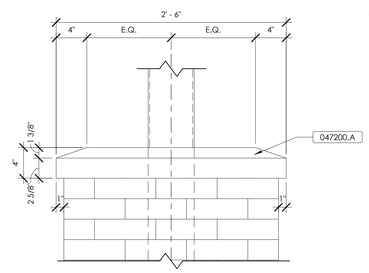
COLUMN PLAN DETAIL (L A8.1)
1 1/2" = 1'-0"



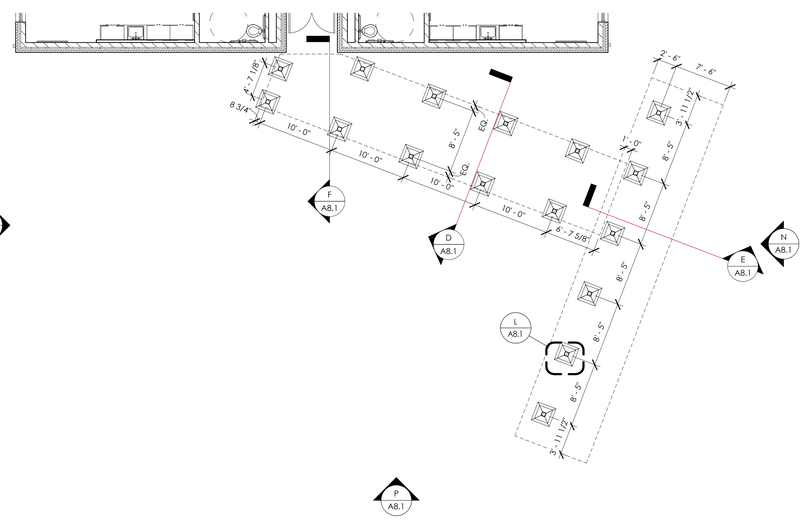
COLUMN CAST STONE SILL PLAN (K A8.1)
1 1/2" = 1'-0"



COLUMN CAST STONE CAP DETAIL (H A8.1)
1 1/2" = 1'-0"



CAST STONE SILL ELEVATION (G A8.1)
1 1/2" = 1'-0"



CANOPY PLAN - ALT#3 (A A8.1)
1/8" = 1'-0"

MATERIAL REFERENCE

047200.A	Cast Stone Masonry Units
051200.A	Structural Steel Member
053100.A	Roof Deck
061000.B	Plywood Sheathing
074113.A	Metal Roof Panels
074113.F	Ice and Water Shield
079005.A	Joint Sealant

ROOF NOTES

1	GUTTER. SEE DETAIL E/A3.1. (074113).
2	DOWNSPOUT. SEE DETAIL D/A3.1. (074113)
3	FASCIA. SEE DETAIL x/Ax.x.
4	VENTED RIDGE. SEE DETAIL D/A3.1.
5	ICE AND WATER SHIELD. (074113)
6	EXPANSION JOINT. SEE DETAIL C/A3.1.
7	NEW EXHAUST FAN. REFER TO MEP DWGS FOR MORE INFORMATION.

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

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ALTERNATE #3 - CANOPY DESIGN
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
Staggs & Fisher
3264 Lochness Dr.
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p 859.271.3246
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537
Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
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BG#

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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ALTERNATE #3 - CANOPY DESIGN
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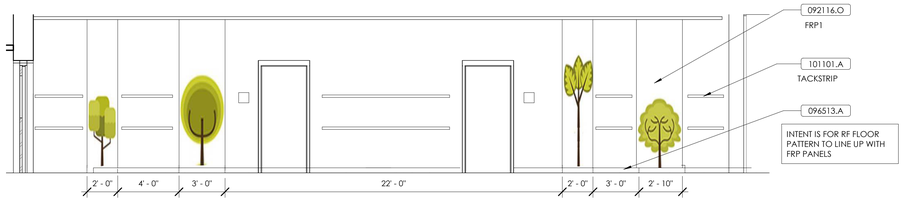
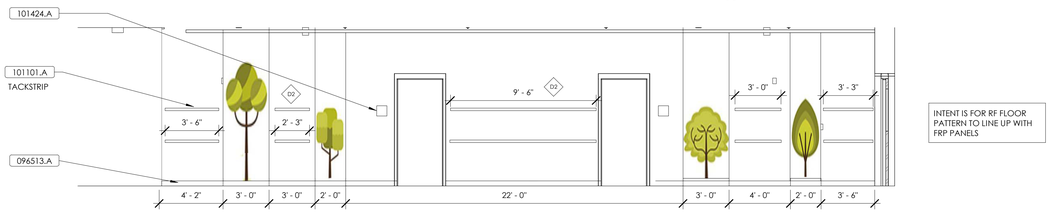
#	DATE	DESCRIPTION



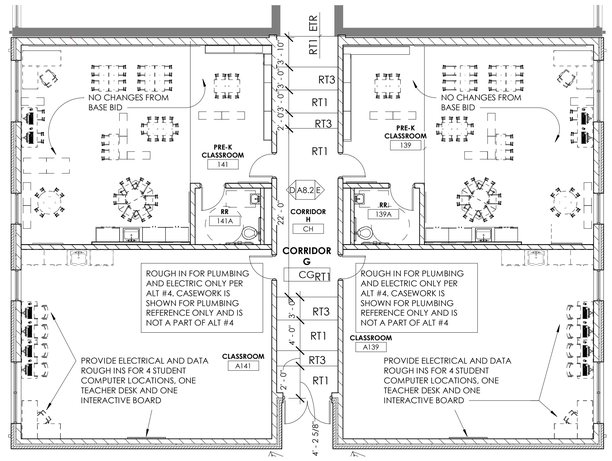
CORRIDOR - PLAN WEST
1/4" = 1'-0"
D A8.2



CORRIDOR - PLAN EAST
1/4" = 1'-0"
E A8.2

ROOM FINISH SCHEDULE - ALT #4

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	SIGN TYPE	COMMENTS
139	PRE-K CLASSROOM	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	
139A	RR	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	
141	PRE-K CLASSROOM	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	
300	MEZZ. ACCESS	SC1	Caulk at perimeter of wall and floor						Sign Type 1	
A139	CLASSROOM	NA	NA	NA	NA	NA	NA	NA	NA	Rough in for plumbing and electric only
A141	CLASSROOM	NA	NA	NA	NA	NA	NA	NA	NA	Rough in for plumbing and electric only
CH	CORRIDOR H	RT1 - RT3	RB1	P	P & Exposed Brick	P	P & Exposed Brick	ACP1 & P - Gyp	Sign Type 4	Do not paint exposed brick. Decorative FRP on walls; D2



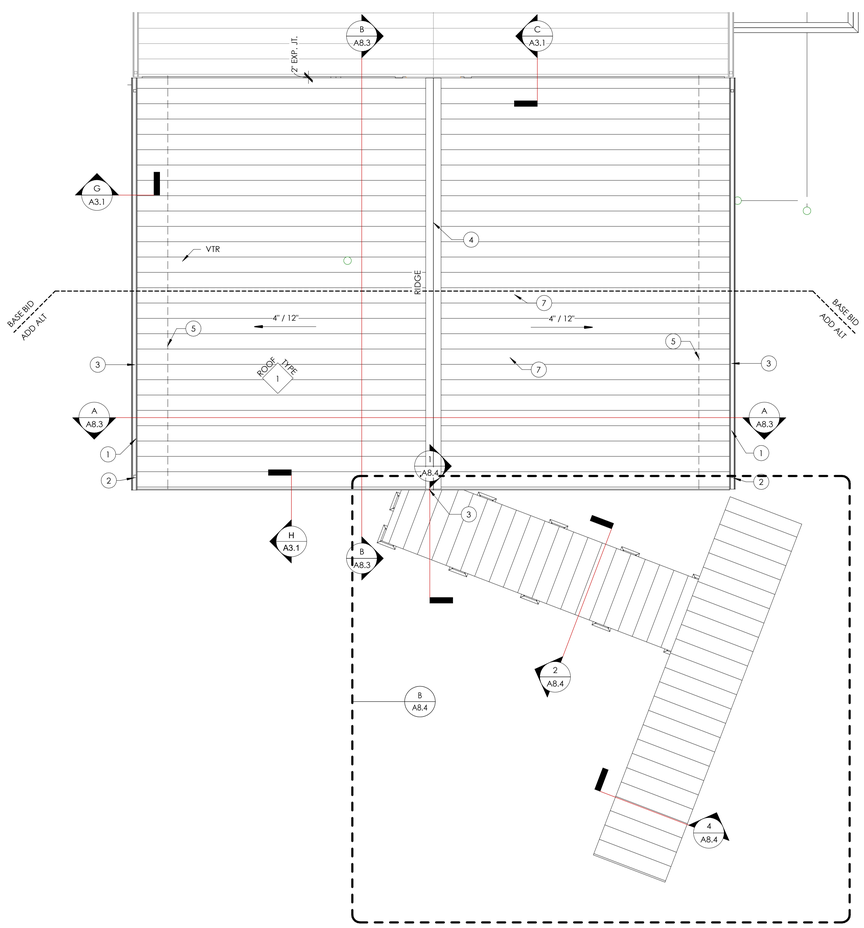
FLOOR PLAN - AREA A - ALT #4 - INTERIORS
1/8" = 1'-0"
C A8.2

MATERIAL REFERENCE

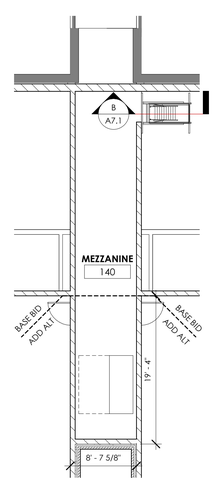
092116.O	FRP Panels
096513.A	Resilient Wall Base & Accessories
101101.A	Visual Display Surfaces
101424.A	Signs

PLAN NOTES

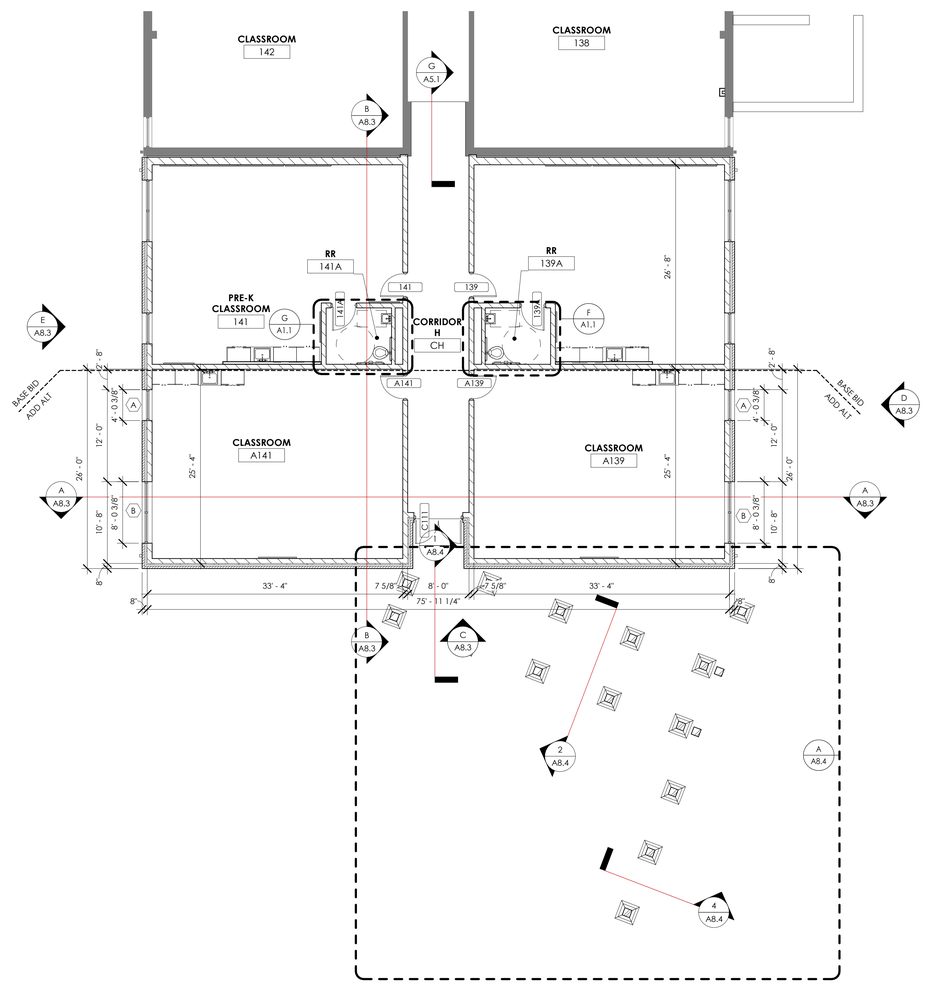
1. NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2. NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4. REFER TO ALTERNATE #3 - NEW CANOPY.
5. REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
6. REFER TO ALTERNATE #6 - NEW FLOOR FINISH.
7. REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
8. REFER TO ALTERNATE #6 - NEW TELESCOPING BLEACHERS. (126613)
9. REFER TO ALTERNATE #7 - KITCHEN FLOOR FINISH REPLACEMENT. UNDERCUT EXISTING DOORS AS NECESSARY FOR NEW FLOOR.
10. REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11. UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH



ROOF PLAN - ALT#4
1/8" = 1'-0"
F A8.2



MEZZANINE PLAN - ALT#4
1/8" = 1'-0"
B A8.2



FLOOR PLAN - AREA A - ALT #4
1/8" = 1'-0"
A A8.2

ROOF NOTES

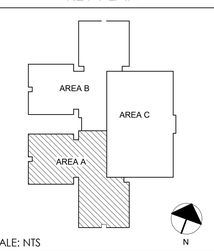
1. GUTTER. SEE DETAIL E/A3.1. (074113)
2. DOWNSPOUT. SEE DETAIL D/A3.1. (074113)
3. FASCIA. SEE DETAIL x/Ax.x.
4. VENTED RIDGE. SEE DETAIL D/A3.1.
5. ICE AND WATER SHIELD. (074113)
6. EXPANSION JOINT. SEE DETAIL C/A3.1.
7. NEW EXHAUST FAN. REFER TO MEP DWGS FOR MORE INFORMATION.

ROOF LEGEND

REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.

VTR	VENT THROUGH ROOF. COORDINATE WITH MEP DRAWINGS.	O

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

ALTERNATE #4
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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ALTERNATE #4

DATE ISSUED:
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REVISIONS

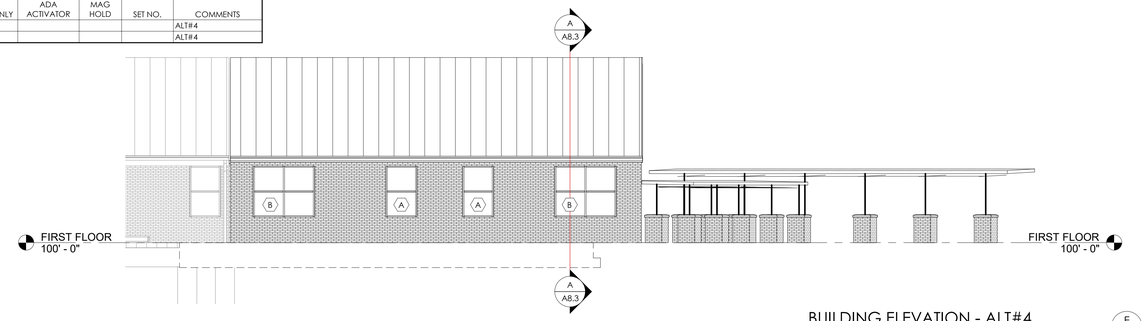
#	DATE	DESCRIPTION

NEW DOOR AND FRAME SCHEDULE ALT #4

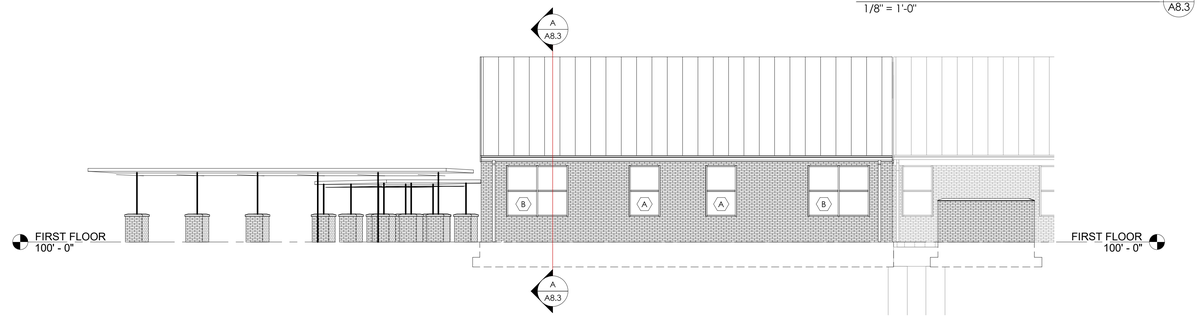
DOOR NUMBER	PAIR	DOOR W	DOOR H	DOOR THICK	DOOR MAT	DOOR TYPE	DOOR GLASS	FRAME MAT	FRAME TYPE	FRAME THICK	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FIRE RATING	SECURITY CARD ACCESS	SECURITY KEY ACCESS	SECURITY EXIT ONLY	ADA ACTIVATOR	MAG HOLD	SET NO.	COMMENTS
139A		3' - 0"	7' - 0"	1 3/4"	HM	NVG	T.			5 3/4"	G/A6.1	H/A6.1								ALT#4
141A		3' - 0"	7' - 0"	1 3/4"	HM	NVG	T.			5 3/4"	G/A6.1	H/A6.1								ALT#4

MATERIAL REFERENCE

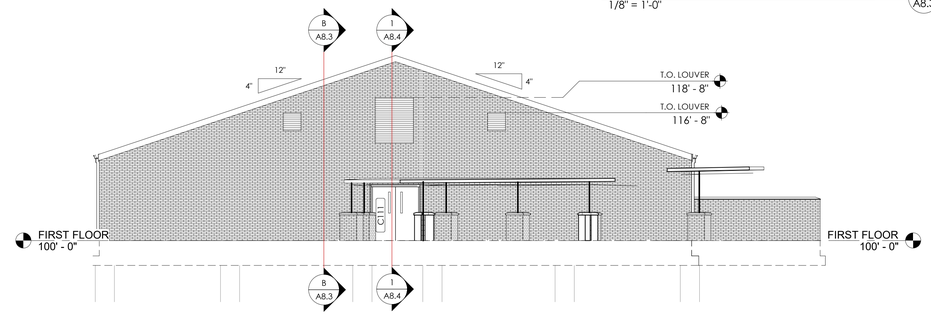
033000.A	Footing
033000.C	Slab-on-Grade
033000.E	Isolation Joint Material
033000.I	Granular Sub-base
071300.A	Underslab Vapor Barrier
072100.B	Perimeter Foundation Board Insulation
095113.A	Acoustical Panel Ceiling System



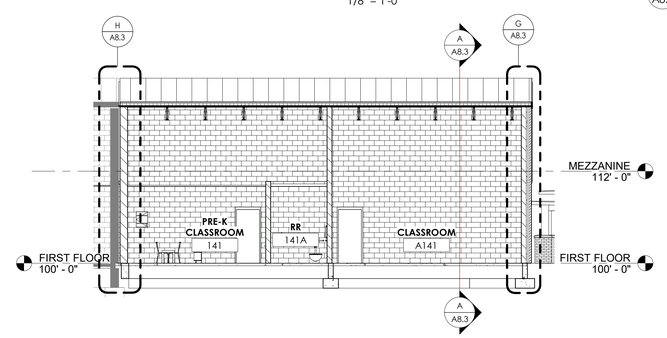
BUILDING ELEVATION - ALT#4
1/8" = 1'-0"
E A8.3



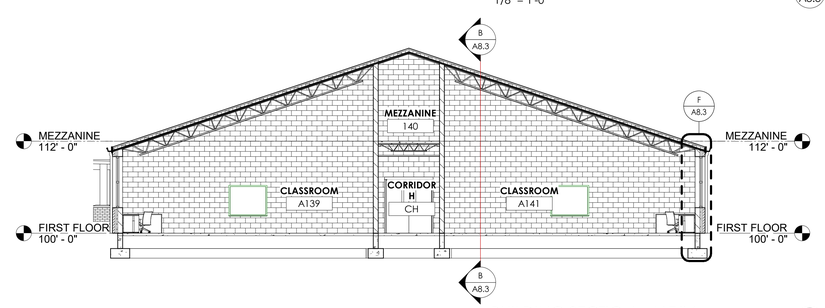
BUILDING ELEVATION - ALT#4
1/8" = 1'-0"
D A8.3



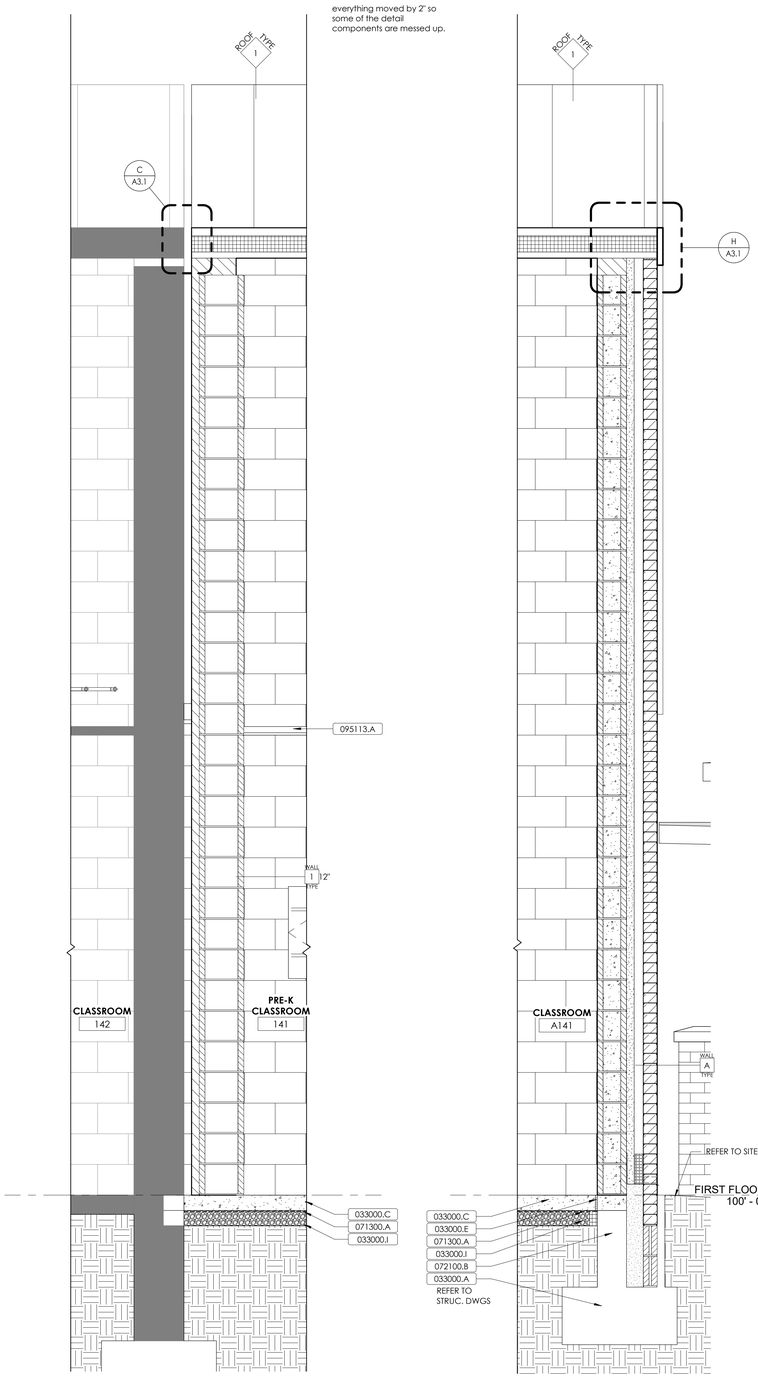
BUILDING ELEVATION - ALT#4
1/8" = 1'-0"
C A8.3



BUILDING SECTION - ALT#4
1/8" = 1'-0"
B A8.3

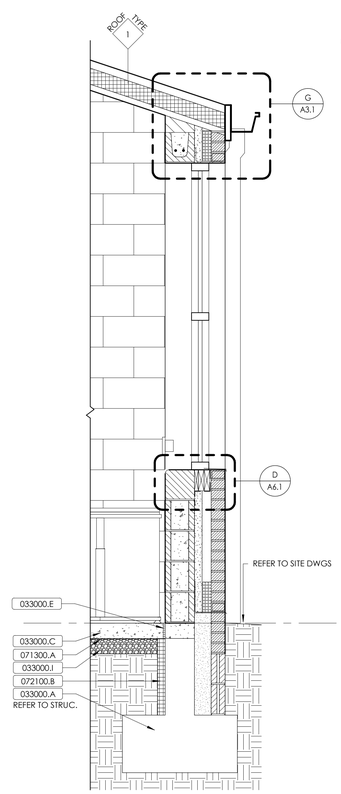


BUILDING SECTION - ALT#4
1/8" = 1'-0"
A A8.3



WALL SECTION - ALT#4
3/4" = 1'-0"
H A8.3

WALL SECTION - ALT#4
3/4" = 1'-0"
G A8.3



WALL SECTION - ALT#4
3/4" = 1'-0"
F A8.3

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ALTERNATE #4
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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ALTERNATE #4

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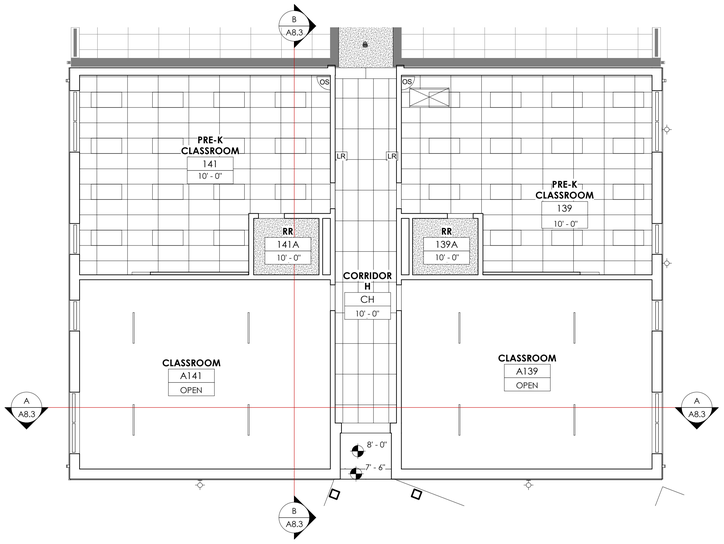
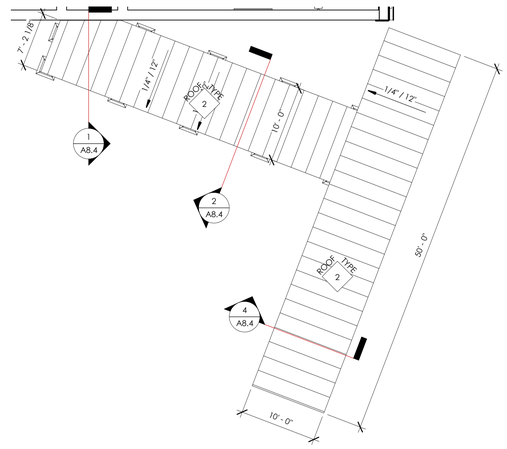
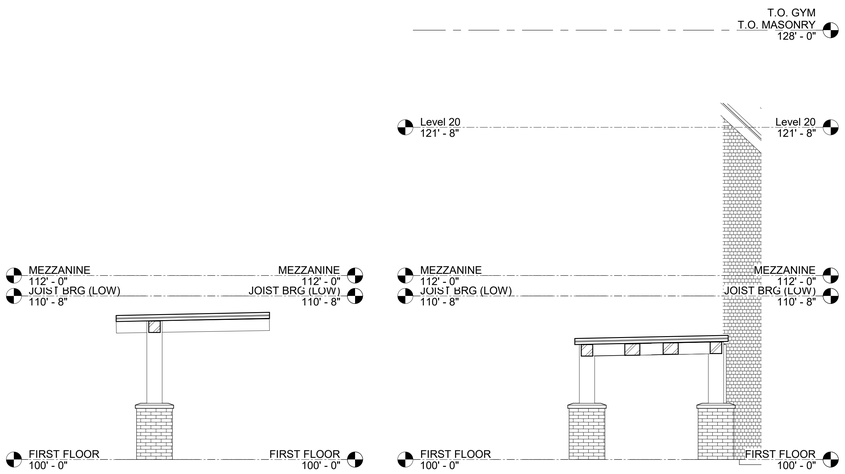


FIRST FLOOR - ALT #4 (3 / A8.4)
1/8" = 1'-0"

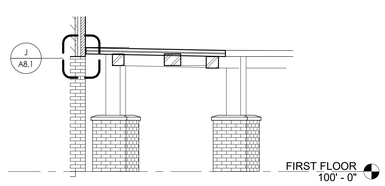


CANOPY ROOF PLAN - ALT#4 (B / A8.4)
1/8" = 1'-0"

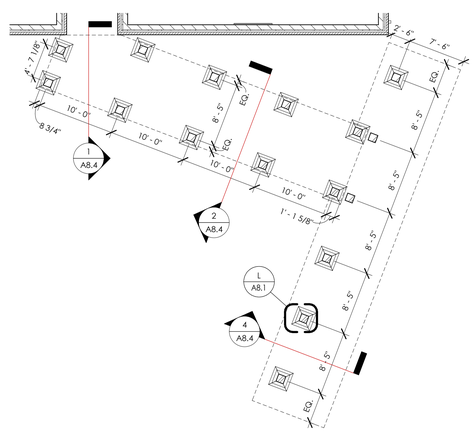


Section 8 (4 / A8.4)
1/4" = 1'-0"

Section 7 (2 / A8.4)
1/4" = 1'-0"



Section 6 (1 / A8.4)
1/4" = 1'-0"



CANOPY PLAN - ALT#4 (A / A8.4)
1/8" = 1'-0"

MATERIAL REFERENCE

ROOF NOTES

1	GUTTER. SEE DETAIL E/A3.1. (074113)
2	DOWNSPOUT. SEE DETAIL D/A3.1. (074113)
3	FASCIA. SEE DETAIL x/Ax.x.
4	VENTED RIDGE. SEE DETAIL D/A3.1.
5	ICE AND WATER SHIELD. (074113)
6	EXPANSION JOINT. SEE DETAIL C/A3.1.
7	NEW EXHAUST FAN. REFER TO MEP DWGS FOR MORE INFORMATION.

ROOF LEGEND

REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.

VTR	VENT THROUGH ROOF. COORDINATE WITH MEP DRAWINGS.	O

RCP NOTES

1	MOISTURE RESISTENT GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
2	GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
3	METAL SOFFIT PANEL (073113.G).
4	DROP DOWN LADDER (055000.A) INTEGRATED WITH CEILING GRID.

RCP LEGEND

ROOM NAME / ROOM NUMBER # / CLG. HGT. #	ROOM TAG W/ CEILING HEIGHT
X'-X"	BOTTOM OF SOFFIT ELEVATION ABOVE FINISHED FLOOR
	ACOUSTICAL CEILING TILE & GRID. REFER TO A2 SHEETS FOR SIZES & TYPES
	GYPSUM BOARD BULKHEAD/SOFFIT/CEILING
	HVAC DIFFUSER
	LIGHT FIXTURE IN ACOUSTICAL CEILING GRID
	LIGHT FIXTURE
	EXIT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

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ALTERNATE #4

DATE ISSUED:
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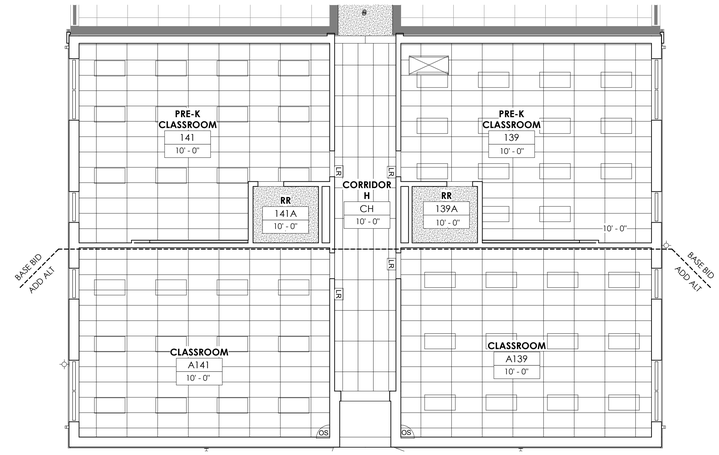


FIRST FLOOR - ALT #5 (B / A8.5)
1/8" = 1'-0"

MATERIAL REFERENCE

123550.A1	Plastic Laminate Base Cabinet
123550.A2	Plastic Laminate Accessible Sink Base Cabinet & Slant Enclosure Panel
123550.A7	Plastic Laminate Full-Ht. Wardrobe Cabinet & Lock
123550.A11	Plastic Laminate Full-Height Storage Cabinet

RCP NOTES

#	
1	MOISTURE RESISTENT GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
2	GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
3	METAL SOFFIT PANEL (073113.G).
4	DROP DOWN LADDER (055000.A) INTEGRATED WITH CEILING GRID.

RCP LEGEND

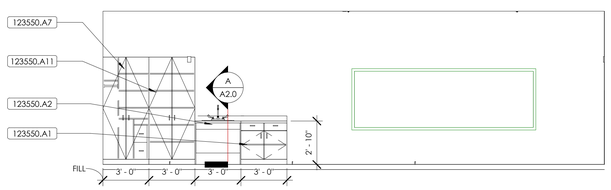
- ROOM NAME / ROOM NUMBER # / CLG. HGT. # — ROOM TAG W/ CEILING HEIGHT
- X'-X" — BOTTOM OF SOFFIT ELEVATION ABOVE FINISHED FLOOR
- ACOUSTICAL CEILING TILE & GRID. REFER TO A2 SHEETS FOR SIZES & TYPES
- GYPSUM BOARD BULKHEAD/SOFFIT/CEILING
- HVAC DIFFUSER
- LIGHT FIXTURE IN ACOUSTICAL CEILING GRID
- LIGHT FIXTURE
- EXIT LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE

ROOM FINISH SCHEDULE - ALT #5

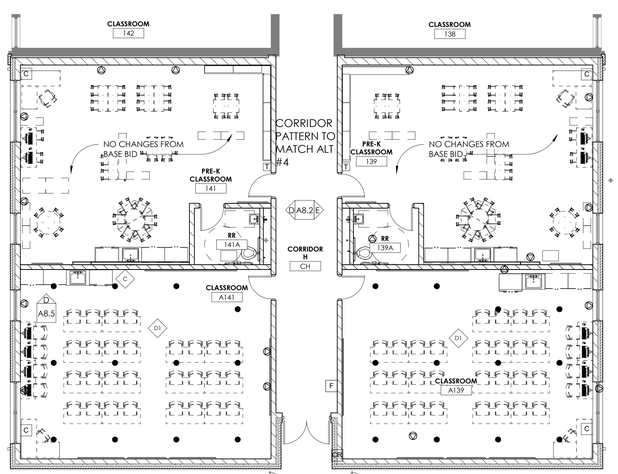
ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	SIGN TYPE	COMMENTS
139	PRE-K CLASSROOM	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid
139A	RR	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	
141	PRE-K CLASSROOM	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	No change from Base Bid	
A139	CLASSROOM	RT1	RB1	P	AP	P	P	ACP1	Sign Type 2	MWS1; RDS1; D1
A141	CLASSROOM	RT1	RB1	P	P	P	AP	ACP1	Sign Type 2	MWS1; RDS1; D1
CH	CORRIDOR H	No change from Alt #4	No change from Alt #4	No change from Alt #4	No change from Alt #4	No change from Alt #4	No change from Alt #4	No change from Alt #4	No change from Alt #4	No change from Alt #4

NEW DOOR AND FRAME SCHEDULE ALT #5

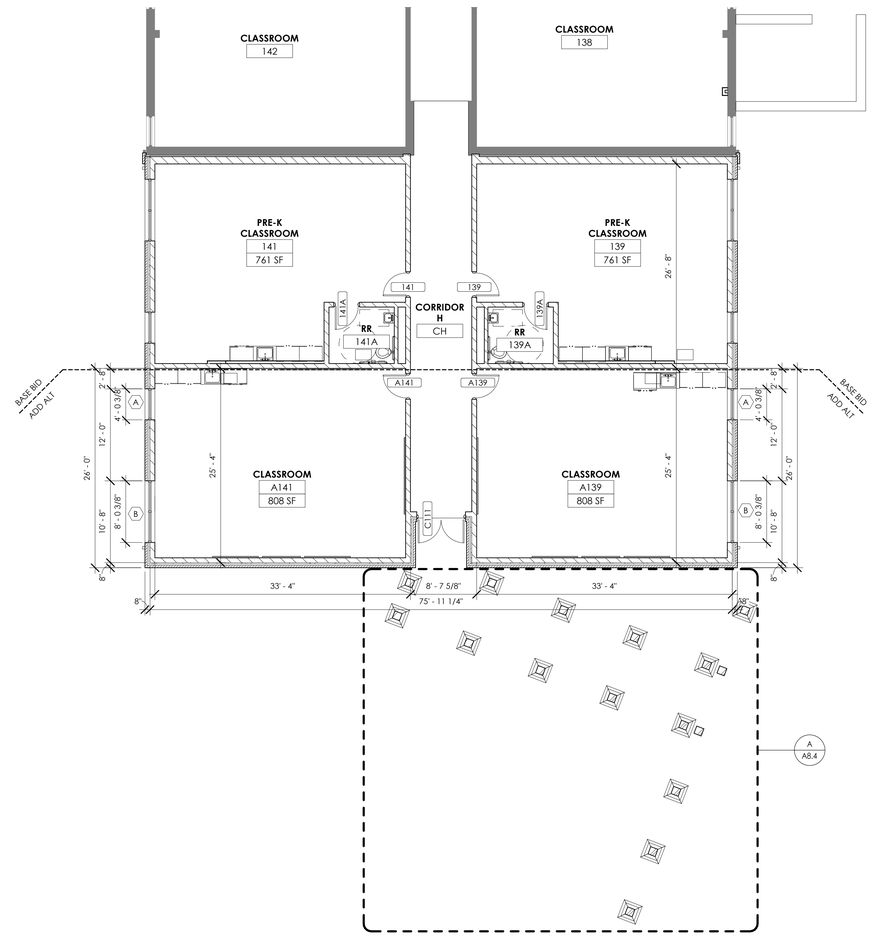
DOOR NUMBER	PAIR	DOOR W	DOOR H	DOOR THICK	DOOR MAT	DOOR TYPE	DOOR GLASS	FRAME MAT	FRAME TYPE	FRAME THICK	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FIRE RATING	ADA ACTIVATOR	MAG HOLD	SET NO.	COMMENTS
139A		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"							ALT#5
141A		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"							ALT#5



INTERIORS - ALT #5 - CASEWORK (D / A8.5)
1/4" = 1'-0"



FLOOR PLAN - AREA A - ALT #5 - INTERIORS (C / A8.5)
1/8" = 1'-0"



FLOOR PLAN - AREA A - ALT #5 (A / A8.5)
1/8" = 1'-0"

PLAN NOTES

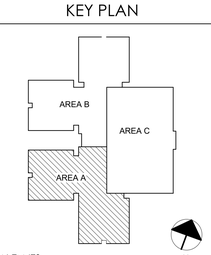
1	NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2	NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4	REFER TO ALTERNATE #3 - NEW CANOPY.
5	REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
6	REFER TO ALTERNATE #6 - NEW FLOOR FINISH.
7	REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
8	REFER TO ALTERNATE #6 - NEW TELESCOPING BLEACHERS. (126613)
9	REFER TO ALTERNATE #7 - KITCHEN FLOOR FINISH REPLACEMENT. UNDERCUT EXISTING DOORS AS NECESSARY FOR NEW FLOOR.
10	REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11	UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

ROOF LEGEND

REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.

VTR	VENT THROUGH ROOF. COORDINATE WITH MEP DRAWINGS.	O

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

NOT FOR CONSTRUCTION

ALTERNATE #5
ESTILL SPRINGS ELEMENTARY SCHOOL PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

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

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	KM/JK
Rev'd By:	JR/PF

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ALTERNATE #5

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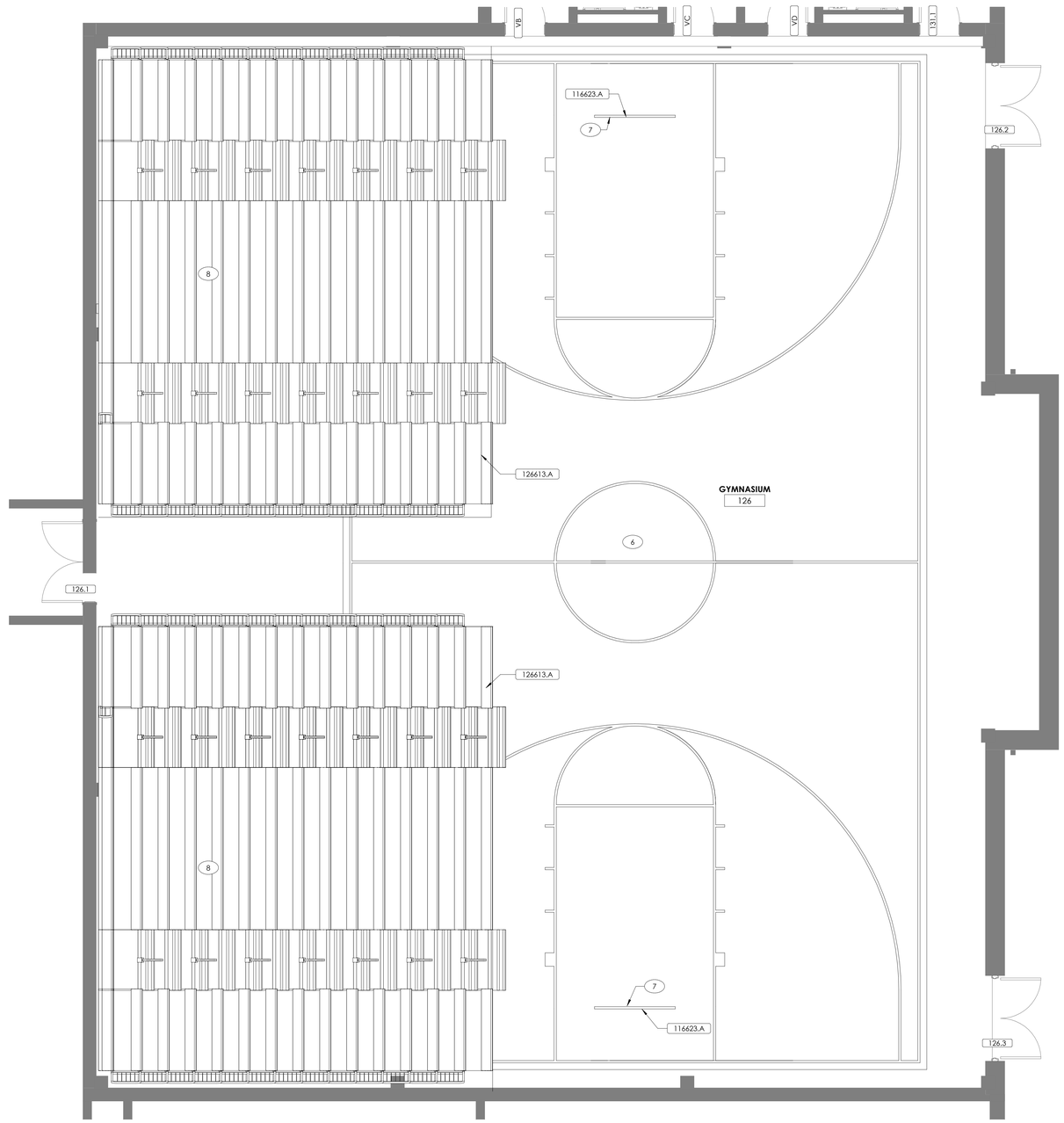

FLOOR PLAN - ALTERNATE #6
1/4" = 1'-0"
A
A8.6

MATERIAL REFERENCE

116623.A	Basketball Goals
126613.A	Telescoping Stand

PLAN NOTES

1	NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2	NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4	REFER TO ALTERNATE #3 - NEW CANOPY.
5	REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
6	REFER TO ALTERNATE #6 - NEW FLOOR FINISH.
7	REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
8	REFER TO ALTERNATE #6 - NEW TELESCOPING BLEACHERS. (126613)
9	REFER TO ALTERNATE #7 - KITCHEN FLOOR FINISH REPLACEMENT. UNDERCUT EXISTING DOORS AS NECESSARY FOR NEW FLOOR.
10	REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11	UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

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ALTERNATE #6 - GYM UPGRADES
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
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220 Great Circle Rd. Suite 106
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p 615.255.5537

Construction Manager:
Codell Construction Co.
P.O. Box 17
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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ALTERNATE #6 - GYM UPGRADES
DATE ISSUED:
05/09/2022

REVISIONS

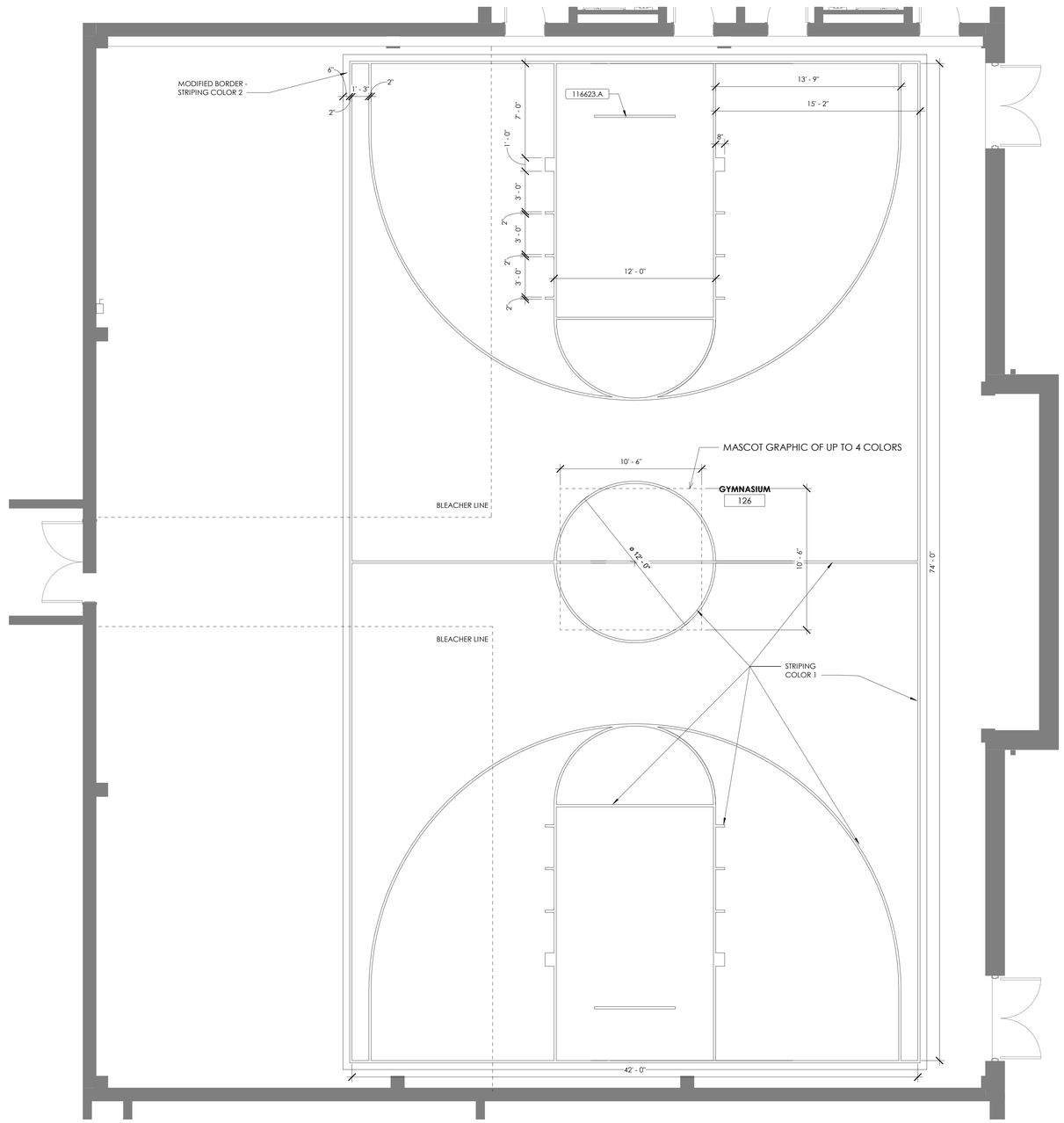
#	DATE	DESCRIPTION

ROOM FINISH SCHEDULE - ALT #6

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	SIGN TYPE	COMMENTS
126	GYMNASIUM	ETR / Alt #6 - RAF1 & 4-color mascot	ETR / Alt #6 - RB1	ETR	ETR	ETR	ETR	ETR	NA	

MATERIAL REFERENCE

116623.A	Basketball Goals



FLOOR PLAN - ALTERNATE #6 Copy 1
1/4" = 1'-0"
A
A8.7

PLAN NOTES

1	NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2	NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4	REFER TO ALTERNATE #3 - NEW CANOPY.
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7	REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
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10	REFER TO ALTERNATE #8 - STUDENT RESTORROM PARTITION REPLACEMENT.
11	UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

GYM STRIPING LEGEND

PAINT COLOR # 1: STRIPING COLOR 1

PAINT COLOR # 2: STRIPING COLOR 2

PAINT COLOR # 3: STRIPING COLOR 3 (USED IN MASCOT)

PAINT COLOR # 4: STRIPING COLOR 4 (USED IN MASCOT)

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ALTERNATE #6 - GYM UPGRADES INTERIORS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

Project No:	2148
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Rev'd By:	Checker

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ALTERNATE #6 - GYM UPGRADES INTERIORS
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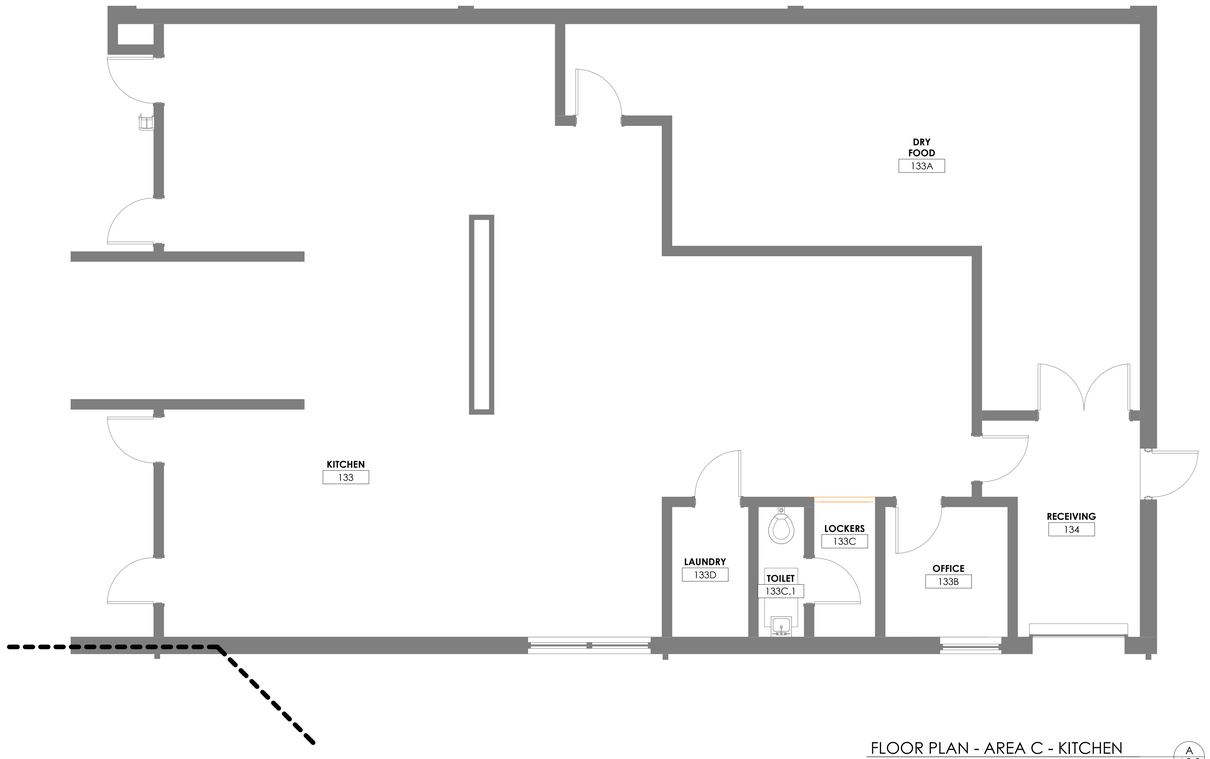

FLOOR PLAN - AREA C - KITCHEN
1/4" = 1'-0"
A
A8.8

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NOT FOR CONSTRUCTION

ALTERNATE# 8 - KITCHEN
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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BG#

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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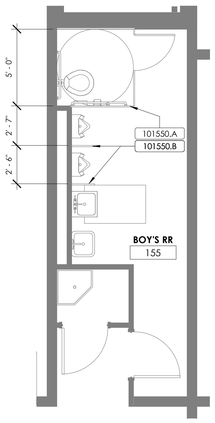
ALTERNATE# 8 - KITCHEN

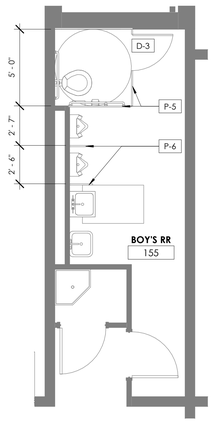
DATE ISSUED:
05/09/2022

REVISIONS

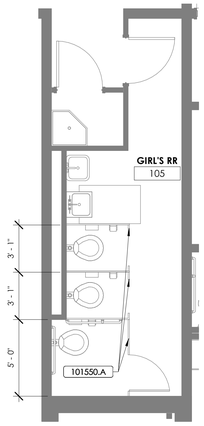
#	DATE	DESCRIPTION



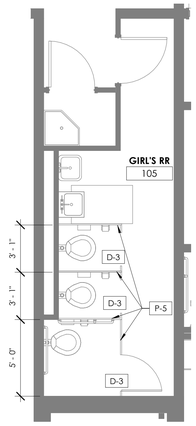
FLOOR PLAN - ALT #8 (N A8.9)
1/4" = 1'-0"



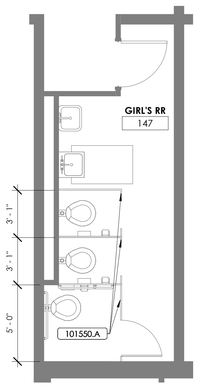
DEMOLITION FLOOR PLAN - ALT #8 (M A8.9)
1/4" = 1'-0"



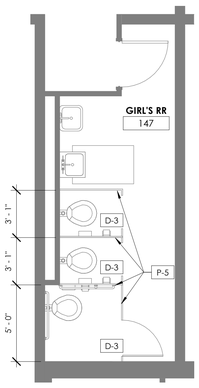
FLOOR PLAN - ALT #8 (E A8.9)
1/4" = 1'-0"



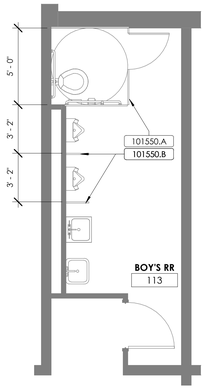
DEMOLITION FLOOR PLAN - ALT #8 (D A8.9)
1/4" = 1'-0"



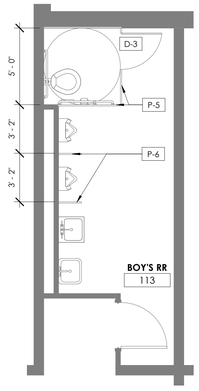
FLOOR PLAN - ALT #8 (P A8.9)
1/4" = 1'-0"



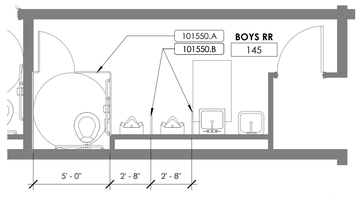
DEMOLITION FLOOR PLAN - ALT #8 (L A8.9)
1/4" = 1'-0"



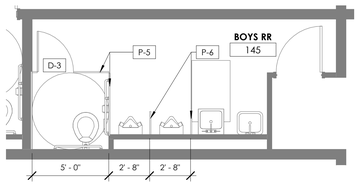
FLOOR PLAN - ALT #8 (F A8.9)
1/4" = 1'-0"



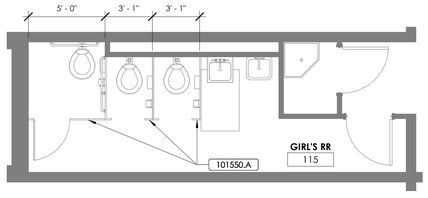
DEMOLITION FLOOR PLAN - ALT #8 (C A8.9)
1/4" = 1'-0"



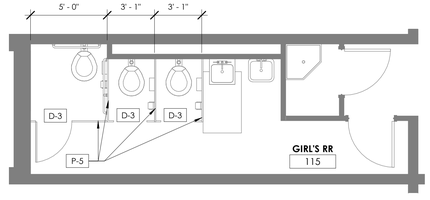
FLOOR PLAN - ALT #8 (Q A8.9)
1/4" = 1'-0"



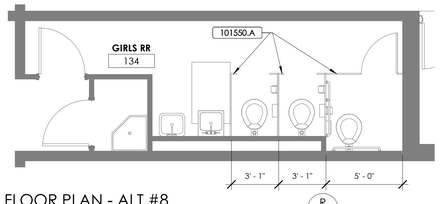
DEMOLITION FLOOR PLAN - ALT #8 (K A8.9)
1/4" = 1'-0"



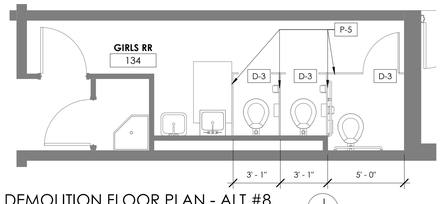
FLOOR PLAN - ALT #8 (G A8.9)
1/4" = 1'-0"



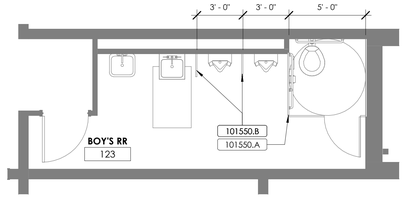
DEMOLITION FLOOR PLAN - ALT #8 (B A8.9)
1/4" = 1'-0"



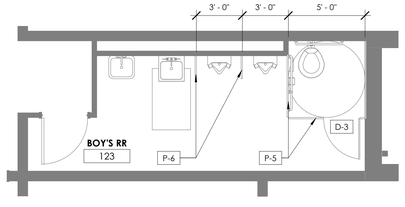
FLOOR PLAN - ALT #8 (R A8.9)
1/4" = 1'-0"



DEMOLITION FLOOR PLAN - ALT #8 (J A8.9)
1/4" = 1'-0"



FLOOR PLAN - ALT #8 (H A8.9)
1/4" = 1'-0"



DEMOLITION FLOOR PLAN - ALT #8 (A A8.9)
1/4" = 1'-0"

MATERIAL REFERENCE

101550.A	Toilet Compartment
101550.B	Urinal Screen

DEMOLITION NOTES

DOOR DEMOLITION NOTES:	
D-1	REMOVE EXISTING METAL FRAME, DOOR(S), AND GLAZING IN ENTIRETY. REFER TO PLANS FOR NEW WORK.
FINISH DEMOLITION NOTES:	
F-1	ALTERNATE #6 -REMOVE EXISTING RESILIENT FLOORING & BASE IN THEIR ENTIRETY.
F-2	ALTERNTE #7 - REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND BASE IN ITS ENTIRETY.
MISCELLANEOUS DEMOLITION:	
M-1	REMOVE EXISTING EXTERIOR CANOPY IN ENTIRETY. COORDINATE WITH NEW WORK. REFER TO SITE FOR MORE INFORMATION
M-2	REMOVE EXISTING DOOR HARDWARE. EXISTING DOOR TO REMAIN. COORDINATE WITH NEW WORK.(087100)
M-3	ALTERNATE #6 - REMOVE EXISTING TELESCOPING BLEACHERS. REFER TO A8.7 FOR NEW WORK
M-4	ALTERNATE #6 - REMOVE EXISTING RETRACTABLE BASKETBALL HOOP BACKBOARD. REFER TO A8.7 FOR NEW WORK
M-5	REMOVE AND SALVAGE EXISTING CARDER FOR REINSTALLATION. REFER TO ELECTRICAL DWGS FOR ADDITIONAL INFORMATION.
PARTITION DEMOLITION NOTES:	
P-1	REMOVE PORTION OF EXISTING WALL. EXISTING WALL MAY BE A BEARING WALL. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION.
P-2	REMOVE EXISTING STOREFRONT IN ITS ENTIRETY. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION
P-3	ALTERNATE #8 - REMOVE EXISTING TOILET / URINAL PARTITION AND ASSOCIATED ACCESSORIES IN THEIR ENTIRITY. PATCH AND REPAIR WALL SURFACE TO RECEIVE NEW FINISHES.
P-5	REMOVE EXISTING PARTITION AND SALVAGE TOILET ACCESSORIES FOR REINSTALLATION. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK
P-6	REMOVE EXISTING URINAL SCREEN IN ITS ENTIRETY. PATCH AND REPAIR WALL SURFACES TO RECEIVE NEW WORK

PLAN NOTES

1	NEW MECHANICAL YARD. REFER TO MECHANICAL AND SITE DWGS FOR ADDITIONAL INFORMATION.
2	NEW MASONRY OPENING FOR LOUVER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	REINSTALL SALVAGED CARD READER. REFER TO ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS FOR ADDITIONAL INFORMATION. (087100)
4	REFER TO ALTERNATE #3 - NEW CANOPY.
5	REFER TO ALTERNATE #4 - 2 ADDITIONAL CLASSROOMS SHELLED OUT.
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7	REFER TO ALTERNATE #6 - NEW BASKETBALL GOAL BACKBOARD. (116623)
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11	UNDERCUT DOOR AS REQUIRED FOR NEW FLOOR FINISH

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ALTERNATE #8 - TOILET PARTITIONS
ESTILL SPRINGS ELEMENTARY SCHOOL ARP ESSER PHASE 2 RENO. AND ADD.
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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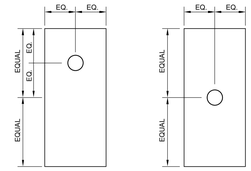
A8.9

ALTERNATE #8 - TOILET PARTITIONS
DATE ISSUED:
05/09/2022

REVISIONS

#	DATE	DESCRIPTION



TYPICAL SPRINKLER HEAD LOCATION(S) IN 2' x 4' A.C.T. PANELS

SCALE: NONE

FIRE PROTECTION DESIGN INFORMATION:

A. BUILDING OCCUPANCY = LIGHT HAZARD
B. STATIC PRESSURE = 98 PSI
C. RESIDUAL PRESSURE = 68 PSI
D. RESIDUAL FLOW = 1060 GPM
E. TOTAL FLOW REQUIRED = 295 GPM
F. TOTAL PRESSURE REQUIRED = 58 PSI
G. SPRINKLER FLOW REQUIRED = 195 GPM
H. DESIGN AREA = 1500 SQ.FT.
I. DESIGN DENSITY = 0.10 GPM/SQ.FT.

NOTE: WET & DRY PIPE SYSTEM. CONTRACTOR TO ACQUIRE UP TO DATE FLOW TEST PRIOR TO AHJ SUBMITTAL.

NOTE:
CONTRACTOR SHALL MAKE A SITE VISIT TO VERIFY LOCATION OF EXISTING CONDITIONS AND ADD EXTRA MATERIAL TO BID AS NECESSARY TO COVER ANY UNFORESEEN PROBLEMS. DO NOT REMOVE ANY PIPING, EQUIPMENT, ETC. WITHOUT VERIFYING THAT IT IS NOT SERVING ANY EQUIPMENT OR AREAS THAT IS INTENDED TO REMAIN.

BUILDING SHALL BE 100% SPRINKLED IN ACCORDANCE WITH THE KENTUCKY BUILDING CODE AND NFPA 13 .

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
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308	GIRLS RR
309	CUST.
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402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
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408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
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414A	RESTROOM
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500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
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507	DRY FOOD
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508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
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510A	RR
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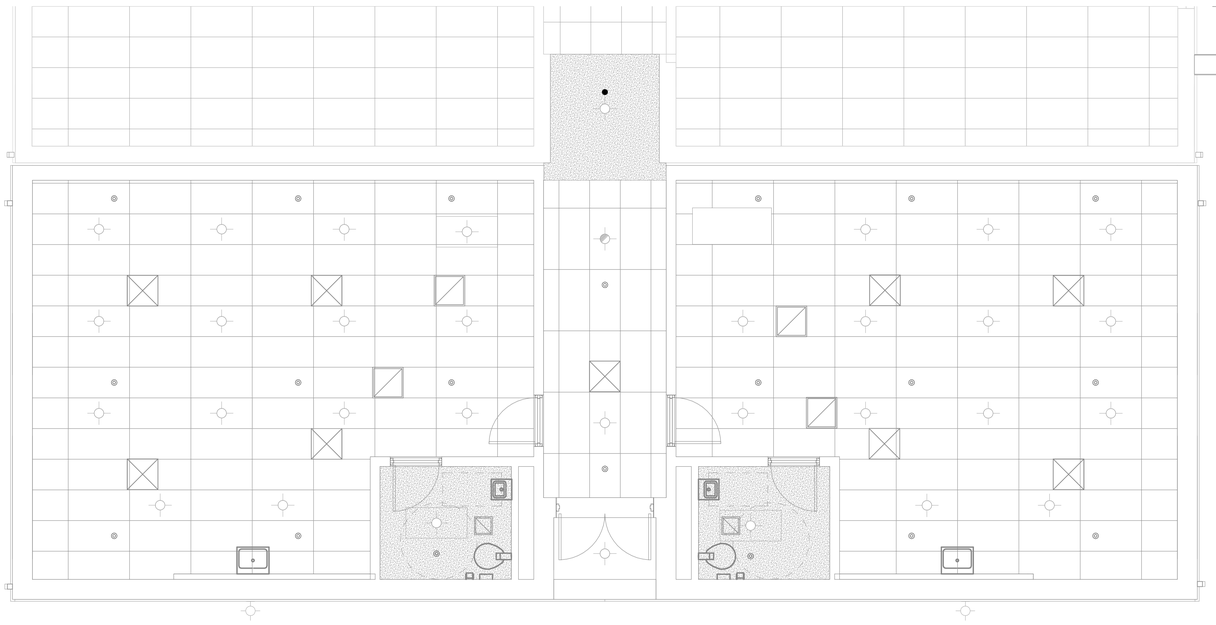
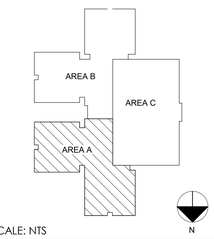
C120	CORRIDOR



FIRE PROTECTION PLAN - AREA A - BASE BID

SCALE: 1/4" = 1'-0"

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

STAGGS & FISHER CONSULTING ENGINEERS, INC.
3264 Lochness Drive
Lexington KY 40517
859.271.3246

FIRE PROTECTION PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.55347

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	RD
Rev'd By:	JS

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FIRE PROTECTION PLAN - AREA A

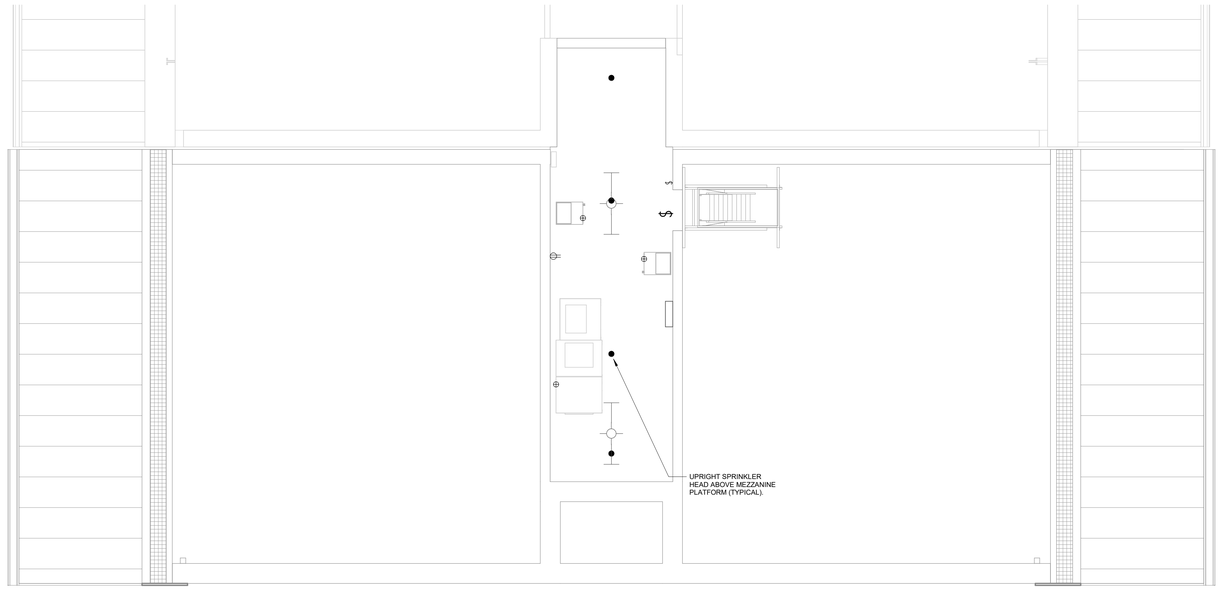
DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

NOTE:
PROVIDE UPRIGHT SPRINKLER HEADS AS REQUIRED BY NFPA 13 BELOW MEZZANINE PLATFORM AND ABOVE TOP OF CEILING BELOW.

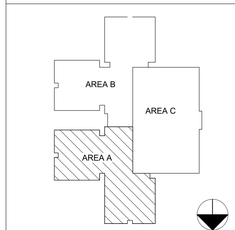
PROVIDE ADDITIONAL SPRINKLERS AS REQUIRED FOR OBSTRUCTIONS PER **NFPA 13, 9.5.5.3.1** "SPRINKLERS SHALL BE INSTALLED UNDER OBSTRUCTIONS OVER 4 FT. (1.2 M) IN WIDTH."



FIRE PROTECTION PLAN - MEZZANINE - AREA A - BASE BID

SCALE: 1/4" = 1'-0"

KEY PLAN



SCALE: NTS

NOTE:

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

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STAGGS & FISHER CONSULTING ENGINEERS INC.
3264 Lochness Drive
Lexington, KY 40517
859.271.3246

FIRE PROTECTION PLAN - MEZZANINE

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
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Structural Engineer:
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Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	RD
Rev'd By:	MJ

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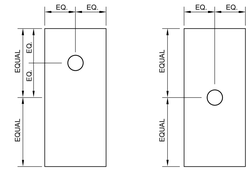
FIRE PROTECTION PLAN - MEZZANINE

DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION



TYPICAL SPRINKLER HEAD LOCATION(S) IN 2' x 4' A.C.T. PANELS

SCALE: NONE

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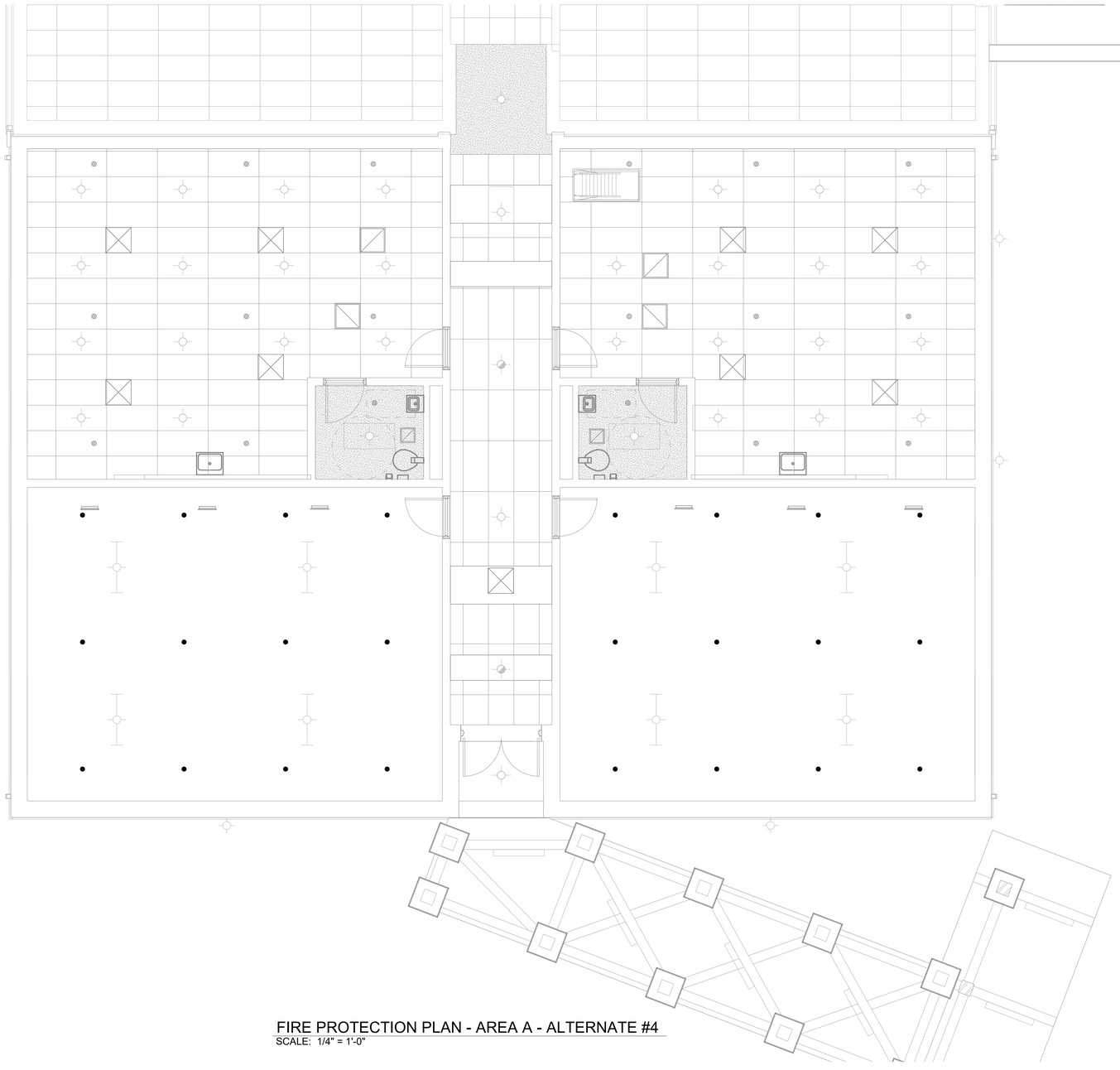

FIRE PROTECTION PLAN - AREA A - ALTERNATE #4

SCALE: 1/4" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
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101	CLASSROOM
101	ENTRY
102	CLASSROOM
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306	CLASSROOM
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402	RR
403	RR
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511A	VESTIBULE
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C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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Lexington, KY 40517
859.271.3246

FIRE PROTECTION PLAN - AREA A - ALTERNATE #4

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

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Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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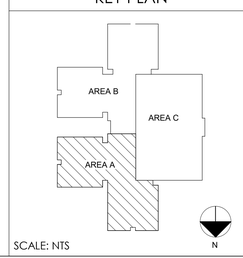
FIRE PROTECTION PLAN - AREA A - ALTERNATE #4

DATE ISSUED:
MARCH 23, 2022

KEY PLAN



SCALE: NTS

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REVISIONS

#	DATE	DESCRIPTION

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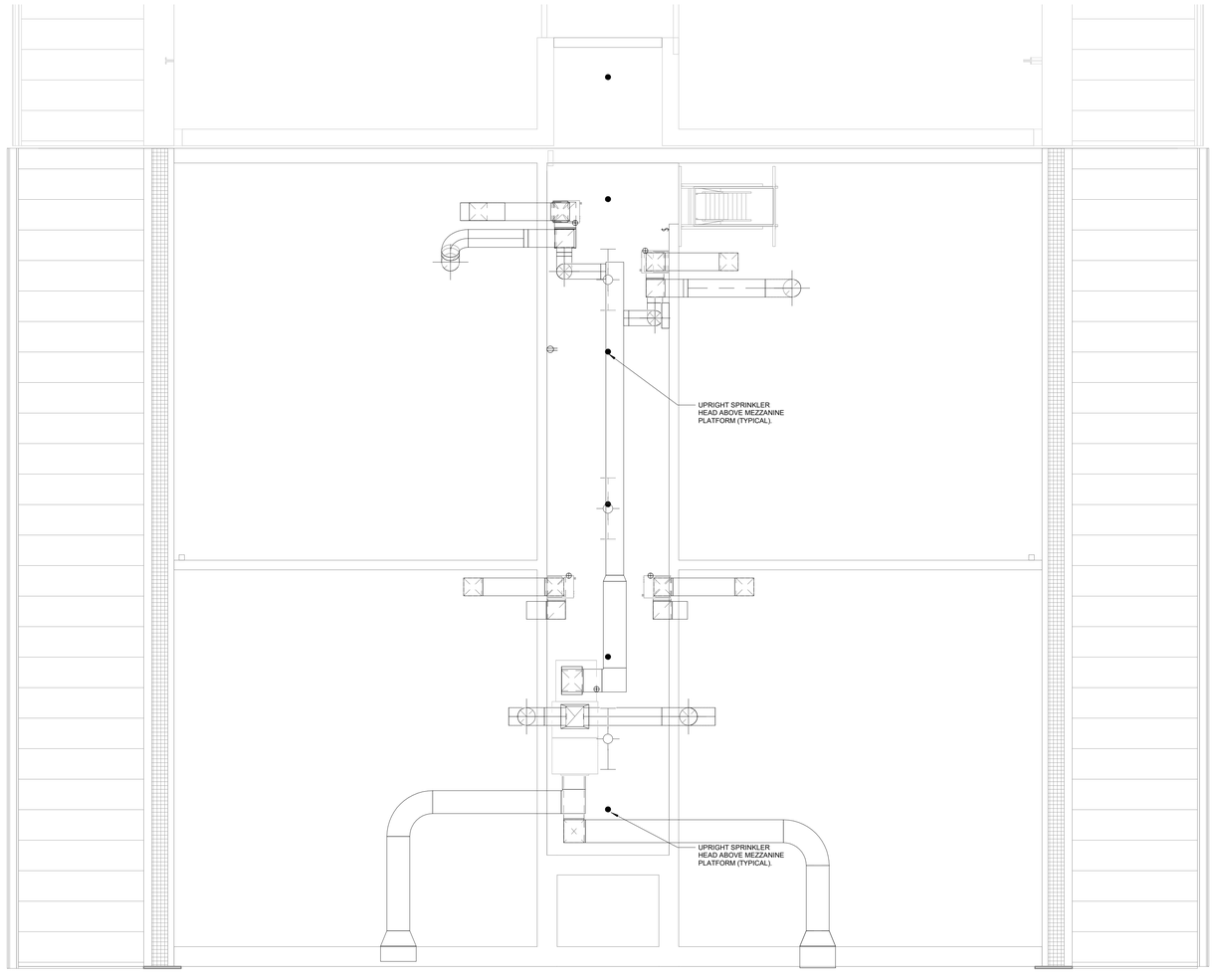
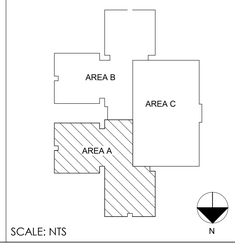


FIRE PROTECTION PLAN - MEZZANINE - AREA A - ALTERNATE #4
SCALE: 1/4" = 1'-0"

KEY PLAN



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NOT FOR CONSTRUCTION

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859.271.3246

FIRE PROTECTION PLAN - MEZZANINE - AREA A - ALTERNATE #4
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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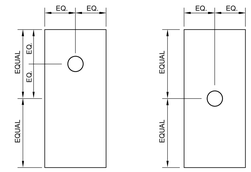
FIRE PROTECTION PLAN - MEZZANINE - AREA A - ALTERNATE #4

DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION



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102	CLASSROOM
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164	CORRIDOR
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203	CLASSROOM
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205	CLASSROOM
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303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
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500	MEDIA CENTER
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500B	WORKROOM
500C	STOR.
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504A	TOILET
505	OFFICE
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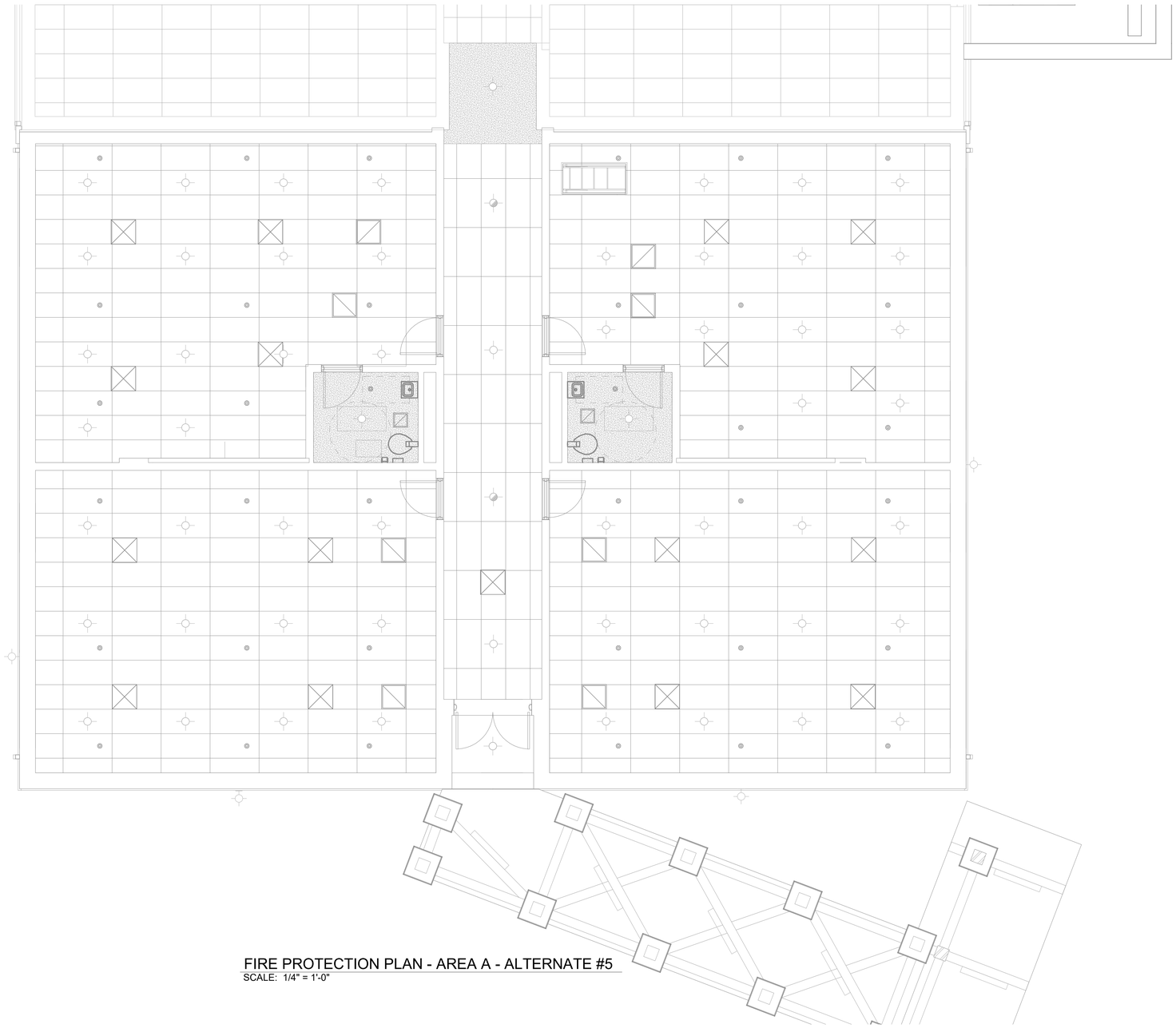
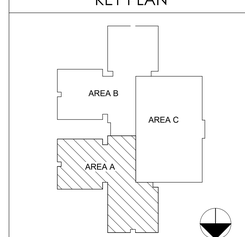
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR



FIRE PROTECTION PLAN - AREA A - ALTERNATE #5

SCALE: 1/4" = 1'-0"

KEY PLAN



SCALE: NTS

NOTE:
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NOT FOR CONSTRUCTION

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859.271.3246

FIRE PROTECTION PLAN - AREA A - ALTERNATE #5
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
Structural Design Group, Inc.
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Nashville, TN 37228
p 615.255.55347

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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FIRE PROTECTION PLAN - AREA A - ALTERNATE #5

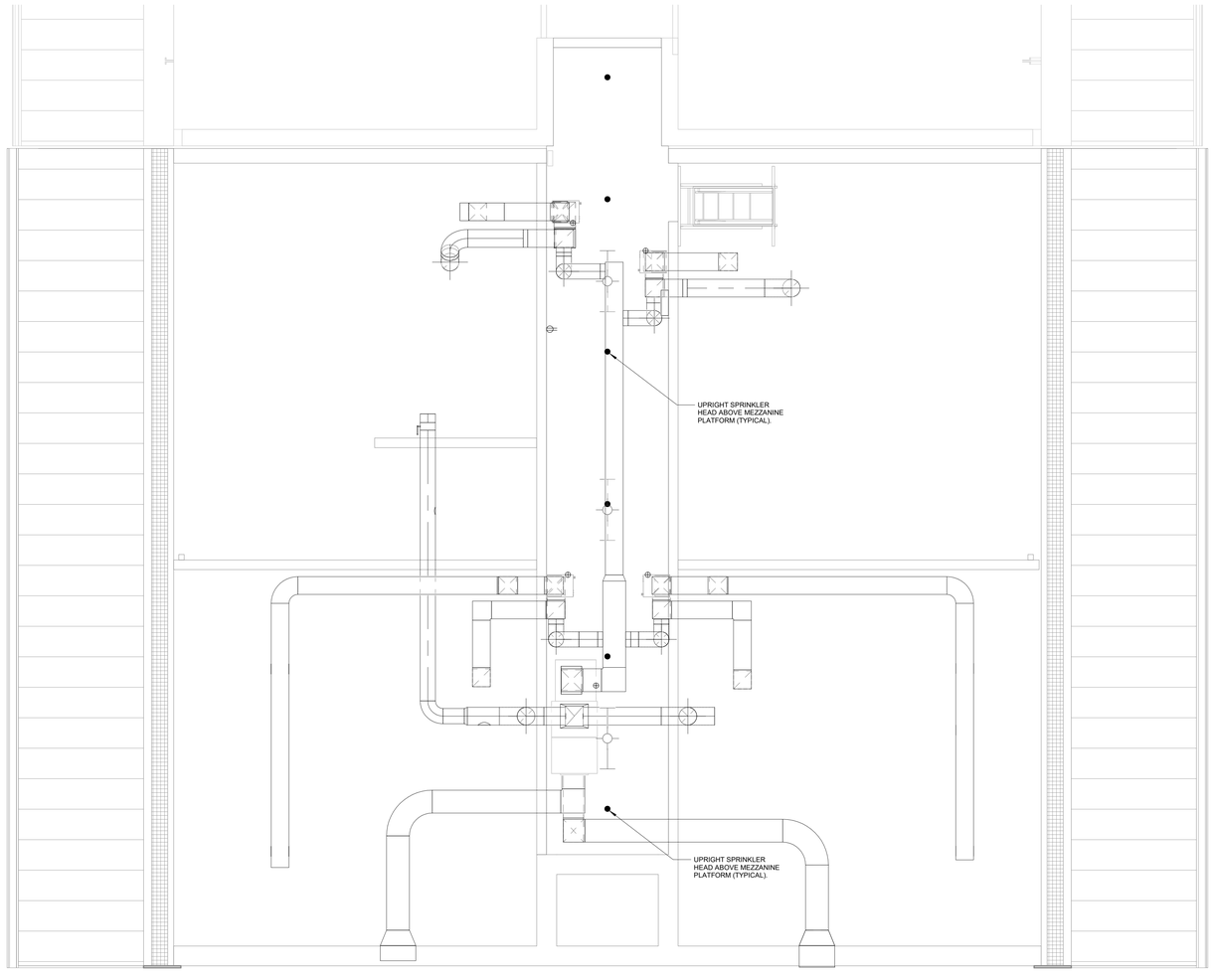
DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

NOTE:
PROVIDE UPRIGHT SPRINKLER HEADS AS REQUIRED BY NFPA 13 BELOW MEZZANINE PLATFORM AND ABOVE TOP OF CEILING BELOW.

PROVIDE ADDITIONAL SPRINKLERS AS REQUIRED FOR OBSTRUCTIONS PER **NFPA 13, 9.5.5.3.1** "SPRINKLERS SHALL BE INSTALLED UNDER OBSTRUCTIONS OVER 4 FT. (1.2 M) IN WIDTH."



FIRE PROTECTION PLAN - MEZZANINE - AREA A - ALTERNATE #5
SCALE: 1/4" = 1'-0"

NOTE:

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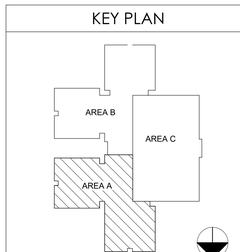
KEY PLAN



SCALE: NTS

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NOT FOR CONSTRUCTION

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FIRE PROTECTION PLAN - MEZZANINE - AREA A - ALTERNATE #5
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BG# 22-207

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Drawn By:	Author
Rev'd By:	Checker

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FIRE PROTECTION PLAN - MEZZANINE - AREA A - ALTERNATE #5

DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

UTILITY CONTACTS:

ELECTRIC:
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JONATHON LANE
859.353.2242
JONATHON.LANE@LGE-KU.COM

TELECOMMUNICATIONS:
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SANITARY, WATER AND GAS:
IRVINE MUNICIPAL UTILITIES
BILLY WILLIAMS
(606) 723-2197
IRVINEWATER @IRVINEONLINE.NET

GENERAL NOTES:

1. THIS CONTRACTOR SHALL COORDINATE ALL SITE UTILITY WORK REQUIRED WITH LOCAL UTILITY COMPANIES TO MEET PROJECT SCHEDULE. ALL REQUIRED SUBMITTALS AND ASSOCIATED FEES BY THIS CONTRACTOR.
2. LOCATION OF UTILITIES ARE APPROXIMATE AND SUBJECT TO MINOR CHANGES IN THE FIELD. DO NOT SCALE THE DRAWINGS.
3. THE CONTRACT DOCUMENTS SHOW THE APPROXIMATE LOCATION OF THE EXISTING AND NEW SUBSURFACE 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. IF ANY CHARTED, UNCHARTED, OR MIS-LOCATED UTILITY SERVICE IS INTERRUPTED FOR ANY REASON, THE CONTRACTOR WILL WORK CONTINUOUSLY TO RESTORE SERVICE TO SATISFACTION OF THE OWNER.
4. SHOULD EXISTING UTILITIES REQUIRE RELOCATION OR REROUTING NOT SHOWN OR INDICATED TO BE RELOCATED OR REROUTED, CONTACT AND COOPERATE WITH THE OWNER TO MAKE THE REQUIRED ADJUSTMENTS AT AN EQUITABLE CHANGE IN THE CONTRACT PRICE.
5. EXISTING UTILITIES SHOWN MAY ACTUALLY BE IN DIFFERENT LOCATIONS AND ADDITIONAL UTILITIES NOT SHOWN MAY EXIST AND MAY BE IN USE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL UTILITIES DURING CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING. THE OWNER WILL NOT LOCATE THE UTILITIES FOR THE CONTRACTOR. IF AN OUTSIDE SERVICE OR COMPANY IS REQUIRED TO ACCURATELY LOCATE BURIED UTILITIES THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THIS WORK AND IS RESPONSIBLE FOR THE COSTS. THE CONTRACTOR SHOULD CONTACT APPROPRIATE UTILITY COMPANIES BEFORE DOING ANY EXCAVATING.
7. TOP ELEVATIONS OF NEW UNDERGROUND STRUCTURE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL TOP ELEVATIONS MUST BE THE SAME AS FINISHED GRADE IN THE SAME AREA. SEE ARCHITECTURAL PLANS FOR FINISHED GRADES.
8. INSTALL DOMESTIC WATER PIPING WITH 3'-6" MINIMUM COVER.
9. INSTALL FIRE PROTECTION WITH 4'-0" MINIMUM COVER.
10. INSTALL NATURAL GAS PIPING WITH 2'-0" MINIMUM COVER.
11. INSTALL UNDERGROUND FEEDERS WITH 2'-0" MINIMUM COVER.
12. EXCAVATION: MATERIALS TO BE EXCAVATED SHALL INCLUDE EARTH AND ANY OTHER MATERIAL, INCLUDING ROCK ENCOUNTERED IN TRENCH EXCAVATION.
13. SITE LIGHTING CIRCUITS SHALL BE #6 CONDUCTORS IN 1-1/4" CONDUITS.
14. TESTING OF EXTERIOR SEWER MANHOLES SHALL BE AS FOLLOWS:
    - A. EXTERIOR SANITARY SEWER SHALL BE PLUGGED BETWEEN MANHOLES AND SUBJECTED TO AN AIR PRESSURE TEST WITH ALL OPENINGS TIGHTLY CLOSED. AIR SHALL BE PUMPED IN UNTIL THE PRESSURE IS NOT LESS THAN 5 POUNDS PER SQUARE INCH. THE AIR PRESSURE GAGE SHALL REMAIN CONSTANT WITHOUT PUMPING ADDITIONAL AIR INTO THE SYSTEM.
    - B. MANHOLE SHALL BE PLUGGED AND FILLED WITH WATER AND A VISUAL INSPECTION MADE FOR LEAKS. ALL LEAKS SHALL BE CORRECTED.
    - C. ALL TESTS SHALL BE DONE PRIOR TO BACKFILLING.

PHASING NOTE:

EXISTING ELECTRICAL AND TELECOMMUNICATION SERVICES SHALL NOT BE DISCONNECTED UNTIL NEW SERVICES ARE READY FOR IMMEDIATE CONNECTION. OUTAGES SHALL BE KEPT TO MINIMUM LENGTH, SHALL BE SCHEDULED WITH OWNER AT LEAST TWO WEEKS PRIOR TO OUTAGE, AND SHALL HAPPEN AT NIGHTS / WEEKENDS PER OWNERS SCHEDULE.

CODED NOTES:

1. EXISTING 4" GAS SERVICE LINE TO BE RELOCATED FOR NEW ADDITION COORDINATE WITH LOCAL UTILITY FOR SHUT-DOWN AND INSTALLATION REQUIREMENTS.
2. RECONNECT TO EXISTING 4" GAS SERVICE LINE AS REQUIRED.
3. EXISTING 8" FIRE LINE LINE TO BE RELOCATED FOR NEW ADDITION. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION AND INSTALL PER LOCAL REGULATIONS.
4. PROVIDE NEW 3" DOMESTIC WATER SERVICE FROM EXISTING WATER METER TO BUILDING ENTRANCE AS REQUIRED. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION AND INSTALL PER LOCAL REGULATIONS.
5. EXISTING SANTIARY MANHOLE TO REMAIN. RECONNECT AND REWORK FLOW CHANNELS AS REQUIRED.
6. NEW MANHOLE IN EXISTING SANITARY MAIN. MATCH EXISTING INVERTS AND RIM TO BE FLUSH WITH GRADE. FIELD VERIFY LINE SIZE AND INVERTS PRIOR TO CONSTRUCTION.
7. PROVIDE POLE BASE PER "POLE BASE DETAIL - TYPE A ."
8. TWO (2) 4" SCH 40 PVC CONDUITS FOR KENTUCKY UTILITIES PRIMARY ELECTRIC. INSTALL 200 POUND PULL STRING IN CONDUITS. 42" MINUMUM BURY. USE RIGID LONG SWEEP ELBOWS.
9. APPROXIMATE LOCATION OF EXISTING FIBER, ANALOG VOICE, AND CABLE TELEVISION DEMARCS. RUN NEW CONDUITS TO LOCATION OF EXISTING DEMARC FOR EACH RESPECTIVE UTILITY COMPANY. FIELD VERIFY LOCATION.
10. EXISTING KENTUCKY UTILITIES PAD-MOUNTED TRANSFORMER.
11. DISCONNECT OVERHEAD SERVICE FROM STORAGE BUILDING WEATHERHEAD. REMOVE SECONDARY CONDUCTORS AND SEAL WEATHERHEAD.
12. CONNECT NEW SECONDARY FEEDER TO EXISTING MAIN DISCONNECT IN STORAGE BUILDING.
13. ONE 3" CONDUIT FOR FIBER OPTIC SERVICE, ONE 3" CONDUIT FOR ANALOG VOICE SERVICE, ONE 3" CONDUIT FOR CABLE TELEVISION SERVICE, AND ONE SPARE 3" CONDUIT. MINIMUM BURY IS 24".
14. EXISTING SANITARY MANHOLE AND ASSOCIATED SANITARY MAIN TO BE REMOVED.
15. EXISTING SANITARY MAIN TO BE REMOVED. PIPING MAY BE ABANDONED IN PLACE WHERE NOT IN CONFLICT WITH NEW WORK.
16. EXISTING 6" FIRE LINE AND 2-1/2" DOMESTIC WATER LINE TO BE REMOVED. LINES UNDER EXISTING PAVEMENT AND/OR SIDEWALK SHALL BE CUT AND CAPPED AND ABANDONED IN PLACE.
17. EXISTING 4" GAS SERVICE LINE TO BE REMOVED. LINE UNDER EXISTING PAVEMENT AND/OR SIDEWALK SHALL BE CUT AND CAPPED AND ABANDONED IN PLACE.
18. EXISTING UTILITY POLE AND ASSOCIATED OVERHEAD LINES ARE TO BE REMOVED. CONTRACTOR IS TO COORDINATE WITH KENTUCKY UTILITES, WINDSTREAM, AND IRVINE COMMUNITY CABLE FOR REMOVAL OF POLE AND SERVICES. REMOVE ALL EXPOSED, ABANDONED CONDUIT.
19. NEW UTILITY POLE. CONTRACTOR IS TO COORDINATE WITH KENTUCKY UTILITES FOR EXACT LOCATION AND INSTALLATION OF NEW UTILITY POLE.
20. NEW PAD MOUNTED TRANSFORMER FOR STORAGE BUILDING.
21. THIS CIRCUIT IS TO BE RUN TO EXISTING PANEL "G" LOCATED ON THE MEZZANINE. SEE NOTE 22 THIS SHEET. RUN INTO BUILDING SIMILAR TO WORK INDICATED IN CODED NOTE #28, THIS SHEET.
22. MEZZANINE SHOWN HERE AS THE HATCHED REGION. PANEL "G" IS LOCATED ON THE MEZZANINE. FIELD VERIFY LOCATION.
23. NEW UNDERGROUND SECONDARY ELECTRIC. TWO PARALLEL RUNS OF 3" CONDUIT WITH FOUR 350 MCM AND ONE #1 GROUND IN EACH. MINIMUM BURY IS 24".
24. PROVIDE POLE BASE PER "POLE BASE DETAIL - TYPE BA ".
25. COORDINATE DISCONNECTION AND REMOVAL OF EXISTING UNDERGROUND PRIMARY FEED TO EXISTING PAD MOUNTED TRANSFORMER. RUN NEW UNDERGROUND PRIMARY CONDUITS TO EXISTING TRANSFORMER. POWER OUTAGE ASSOCIATED WITH THIS WORK SHALL BE LIMITED TO ONE DAY WHEN SCHOOL IS NOT IN SESSION AND SHALL BE COORDINATED WITH OWNER AND KENTUCKY UTILITIES AT LEAST THREE WEEKS AHEAD OF TIME.
26. COORDINATE WITH WINDSTREAM AND IRVINE COMMUNITY CABLE TO REMOVE CABLING INTO BUILDING AFTER NEW SERVICES ARE IN PLACE. REMOVE ALL ABANDONED, EXPOSED CABLING.
27. MAST CONDUITS UP UTILITY POLE PER RESPECTIVE UTILITY COPANY REQUIREMENTS. CAP SPARE CONDUIT AT BASE OF POLE.
28. CONDUITS ARE TO RUN EXPOSED UP SIDE OF BUILDING TO PULL BOX(ES) AT AN ELEVATION ABOVE THE INTERIOR LAY-IN CEILING. COORDINATE WITH RESPECTIVE UTILITY COMPANIES.
29. ROUTE CONDUITS ABOVE LAY-IN CEILING.
30. EXISTING 2-1/2" DOMESTIC WATER SERVICE LINE TO BE REMOVED FROM EXISTING WATER METER TO BUILDING ENTRANCE. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
31. EXISTING SANITARY MANHOLE ABANDONED. REMOVED AND CUT AND CAP PIPING BACK TO MAIN. COORDINATE WITH LOCAL UTLITY PRIOR TO CONSTRUCTION.
32. STEP LIGHTS ARE TO BE MOUNTED IN STEP RISE ABOVE PRECEEDING STEP.
33. STEP LIGHTS ARE TO BE MOUNTED 1' - 6" A.F.F.

NOTE:

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SITE UTILITIES PLAN

SCALE: 1" = 30'-0"

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STATE OF KENTUCKY
ROBERT J. STURGIVANT II
34798

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3264 Lochness Drive
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SITE UTILITIES PLAN

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE I RENO. & ADD. - EARLY SITE PACKAGES

FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG # 22-207

Project No:	2148
Drawn By:	CS / VB / RG
Rev'd By:	MJ / WT

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SITE UTILITIES PLAN

DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

SITE UTILITIES PLAN

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2. RECONNECT TO EXISTING 4" GAS SERVICE LINE AS REQUIRED.
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4. PROVIDE NEW 3" DOMESTIC WATER SERVICE FROM EXISTING WATER METER TO BUILDING ENTRANCE AS REQUIRED. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION AND INSTALL PER LOCAL REGULATIONS.
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11. DISCONNECT OVERHEAD SERVICE FROM STORAGE BUILDING WEATHERHEAD. REMOVE SECONDARY CONDUCTORS AND SEAL WEATHERHEAD.
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15. EXISTING SANITARY MAIN TO BE REMOVED. PIPING MAY BE ABANDONED IN PLACE WHERE NOT IN CONFLICT WITH NEW WORK.
16. EXISTING 6" FIRE LINE AND 2-1/2" DOMESTIC WATER LINE TO BE REMOVED. LINES UNDER EXISTING PAVEMENT AND/OR SIDEWALK SHALL BE CUT AND CAPPED AND ABANDONED IN PLACE.
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26. COORDINATE WITH WINDSTREAM AND IRVINE COMMUNITY CABLE TO REMOVE CABLING INTO BUILDING AFTER NEW SERVICES ARE IN PLACE. REMOVE ALL ABANDONED, EXPOSED CABLING.
27. MAST CONDUITS UP UTILITY POLE PER RESPECTIVE UTILITY COPANY REQUIREMENTS. CAP SPARE CONDUIT AT BASE OF POLE.
28. CONDUITS ARE TO RUN EXPOSED UP SIDE OF BUILDING TO PULL BOX(ES) AT AN ELEVATION ABOVE THE INTERIOR LAY-IN CEILING. COORDINATE WITH RESPECTIVE UTILITY COMPANIES.
29. ROUTE CONDUITS ABOVE LAY-IN CEILING.
30. EXISTING 2-1/2" DOMESTIC WATER SERVICE LINE TO BE REMOVED FROM EXISTING WATER METER TO BUILDING ENTRANCE. COORDINATE WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
31. EXISTING SANITARY MANHOLE ABANDONED. REMOVED AND CUT AND CAP PIPING BACK TO MAIN. COORDINATE WITH LOCAL UTLITY PRIOR TO CONSTRUCTION.
32. STEP LIGHTS ARE TO BE MOUNTED IN STEP RISE ABOVE PRECEEDING STEP.
33. STEP LIGHTS ARE TO BE MOUNTED 1' - 6" A.F.F.

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

NOT FOR CONSTRUCTION

STAGGS & FISHER CONSULTING ENGINEERS, INC.
3264 Lochness Drive
Lexington, KY 40517
859/271-3246

SITE UTILITIES PLAN - ALTERNATE 4 & 5

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 1 RENO. & ADD. - EARLY SITE PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P. Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
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Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG # 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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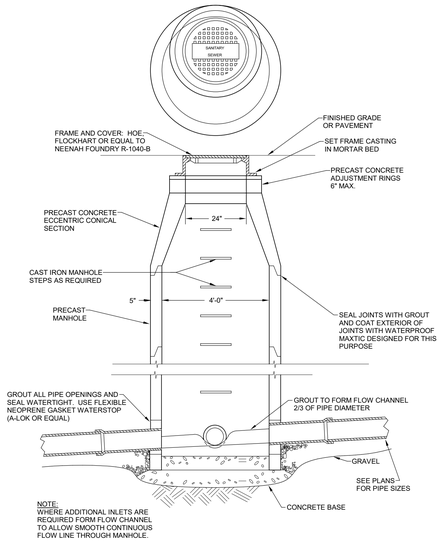
SITE UTILITIES PLAN - ALTERNATE 4 & 5

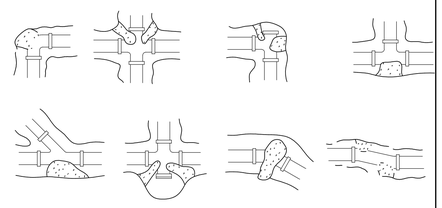
DATE ISSUED:
MARCH 23, 2022

REVISIONS		
#	DATE	DESCRIPTION



SANITARY MANHOLE DETAIL

SCALE: NONE



THRUST/POUND OF PRESSURE				
PIPE SIZE	DEAD END OF TEE	1/4 BEND	1/8 BEND	1/16 BEND
4" & SMALLER	20	40	27	20
6	39	60	34	24
8	68	100	56	31
10	110	160	89	48

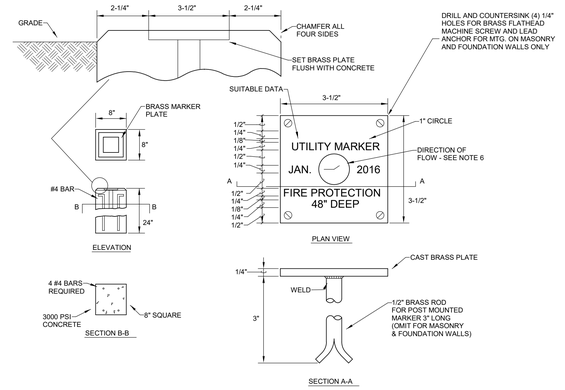
AREA OF BLOCKING = THRUST PER POUND X 150 / SOIL BEARING VALUE

SOIL BEARING VALUES	
TYPE SOIL	PSF
CEMENTED GRAVEL	4000
COMPACTED SAND	3000
MEDIUM CLAY	2000
SOFT CLAY	1000

NOTE: THRUST BLOCKING IS REQUIRED AT CHANGES IN DIRECTION IN PIPING SYSTEMS THAT CARRY PRESSURIZED FLUIDS.

THRUST BLOCK DETAIL

SCALE: NONE



NOTES:

1 MARKERS SHALL BE LOCATED WHERE INDICATED ON DRAWINGS AND AT BUILDING/VAULT/TUNNEL ENTRANCE/EXIT AND EVERY CHANGE IN DIRECTION.

2 BRASS MARKERS SHALL BE CAST BY BRUCE FOX COMPANY, NEW ALBANY, INDIANA (WWW.BRUCEFOX.COM), OR EQUAL.

3 ALL LETTERING SHALL BE OF THE RAISED TYPE. LETTERING SHOWN ON MARKER IS FOR EXAMPLY ONLY. LETTERING TO BE RAISED 1/8".

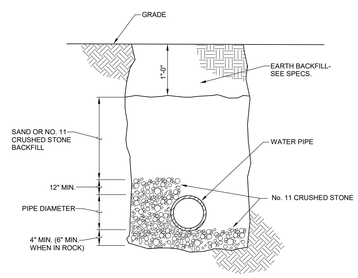
4 AT THE CONTRACTOR'S OPTION, ONE MARKER MAY BE USED FOR COMPANION MAINS THAT ARE LOCATED CLOSE TOGETHER SUCH AS STEAM AND CONDENSATE PUMP DISCHARGE PIPING OR CHILLED WATER SUPPLY AND CHILLED WATER RETURN PIPING. PROVIDE ARROW FOR EACH MAIN.

5 CONTRACTOR SHALL FURNISH A COMPLETE LIST FOR APPROVAL OF ALL MARKERS SHOWING NAMES, ARROWS, DEPTH AND DATE.

6 WHEN UTILITY MARKERS ARE INSTALLED OVER LINES AT A POINT OF DIRECTION CHANGE, THE ARROW ON THE MARKERS SHALL BE "ANGLED" AS REQUIRED TO IMPLY THIS ROUTING.

UTILITY SERVICE MARKER DETAIL

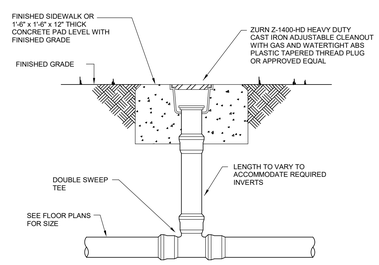
NO SCALE



EXTERIOR WATER PIPING INSTALLATION DETAIL

SCALE: NONE

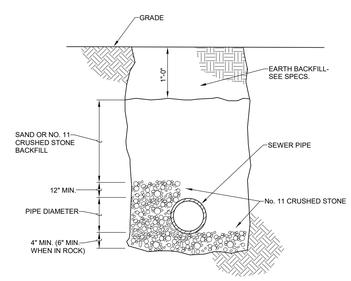
REFER TO SPECIFICATIONS SECTION 312316.13 FOR ALL TRENCHING AND BEDDING REQUIREMENTS DUE TO GEOTECHNICAL REPORT.



EXTERIOR GRADE 2-WAY CLEANOUT DETAIL

SCALE: NONE

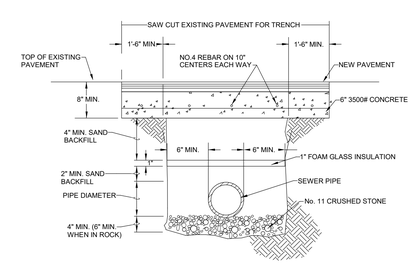
SITE UTILITIES LEGEND			
MECHANICAL		ELECTRICAL	
ES	EXISTING SANITARY SEWER	EOE	EXISTING OVERHEAD ELECTRIC
S	NEW SANITARY SEWER	OE	OVERHEAD ELECTRIC
ESS	EXISTING STORM SEWER	OE/T	OVERHEAD ELECTRIC/TELEPHONE
SS	NEW STORM SEWER	EE	EXISTING ELECTRIC UNDERGROUND
FP	FIRE PROTECTION LINE		BRANCH CIRCUIT UNDERGROUND
EW	EXISTING COLD WATER SERVICE	P	UNDERGROUND PRIMARY SERVICE
W	NEW COLD WATER SERVICE	UE	UNDERGROUND SECONDARY SERVICE
EHPG	EXISTING HIGH PRESSURE GAS	ET	EXISTING TELEPHONE UNDERGROUND
HPG	NEW HIGH PRESSURE GAS	T	UNDERGROUND TELEPHONE CONDUIT
EG	EXISTING GAS	TV	UNDERGROUND TELEVISION CONDUIT
G	NEW GAS		LIGHTING STANDARD
	VALVE WITH VALVE BOX		EXISTING POST LIGHT
M	UTILITY MARKER		POST LIGHT
	THRUST BLOCK		PANELBOARD OR TERMINAL CABINET (REFER TO PLANS AND RISER FOR SIZE)
C.I.	CAST IRON		SECTIONAL SWITCH GEAR (REFER TO PLANS AND RISER FOR NUMBER OF SECTIONS AND LAYOUT)
ELEV.	ELEVATION		
EXIST.	EXISTING		TRANSFORMER (REFER TO PLANS AND RISER FOR SIZE)
F.H.	FIRE HYDRANT	J	JUNCTION BOX
G.C.O.	GRADE CLEANOUT		ENCLOSED CIRCUIT BREAKER
I.E.	INVERT ELEVATION		DISCONNECT SWITCH
P.I.V.	POST INDICATOR VALVE		FUSED DISCONNECT
P.V.C.	POLYVINYL CHLORIDE PIPING		COMBINATION MAGNETIC STARTER AND FUSED SWITCH
T.E.	TOP ELEVATION		MOTOR
		HOT, GROUND, NEUTRAL	WIRE / CONDUIT
		12	BOTTOM OF DEVICE (IN INCHES A.F.F.)
		1	SEE NOTE 1 THIS SHEET
		HW 77	HEADWALL - FOR SERVICES, SEE DETAILS
			GROUND
			DUPLEX CONVENIENCE OUTLET
			QUADRAPLEX CONVENIENCE OUTLET
		GFI	GROUND FAULT INTERRUPTING OUTLET
		WP	WEATHERPROOF OUTLET
		SW	SWITCHED/CONTROLLED DUPLEX OUTLET
		E	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT
		CM	CEILING MOUNTED RECEPTACLE.
		USB	USB DUPLEX RECEPTACLE.
			SIMPLEX WALL OUTLET (RATING AS NOTED)
			WALL OUTLET (240V, 1-PHASE) (RATING AS NOTED)
			WALL OUTLET (240V, 3-PHASE) (RATING AS NOTED)
			EQUIPMENT CONNECTION



EXTERIOR SEWER PIPING INSTALLATION DETAIL

SCALE: NONE

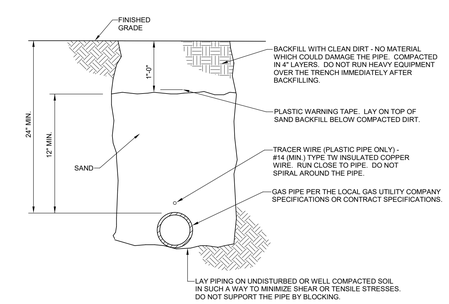
REFER TO SPECIFICATIONS SECTION 312316.13 FOR ALL TRENCHING AND BEDDING REQUIREMENTS DUE TO GEOTECHNICAL REPORT.



EXTERIOR SEWER OR WATER PIPING UNDER PAVED AREA

SCALE: NONE

REFER TO SPECIFICATIONS SECTION 312316.13 FOR ALL TRENCHING AND BEDDING REQUIREMENTS DUE TO GEOTECHNICAL REPORT.



NOTES:

1. ALL GAS SUPPLY INSTALLATION WILL BE IN ACCORDANCE WITH THE REGULATIONS AND RECOMMENDATIONS OF THE LOCAL GAS UTILITY COMPANY.

2. INSTALL PLASTIC PIPE WITH SUFFICIENT SLACK FOR CONTRACTION.

EXTERIOR GAS PIPING INSTALLATION DETAIL

SCALE: NONE

REFER TO SPECIFICATIONS SECTION 312316.13 FOR ALL TRENCHING AND BEDDING REQUIREMENTS DUE TO GEOTECHNICAL REPORT.

NOTE:

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NOT FOR CONSTRUCTION

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SITE UTILITIES DETAILS AND LEGENDS

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE I RENO. & ADD. - EARLY SITE PACKAGES

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BG # 22-207

Project No:	2148
Drawn By:	CS / VB / RG
Rev'd By:	MJ / WT

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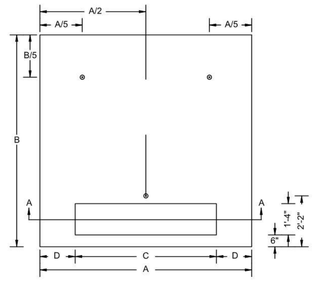
SITE UTILITIES DETAILS AND LEGENDS

DATE ISSUED:

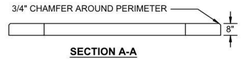
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION



PLAN VIEW



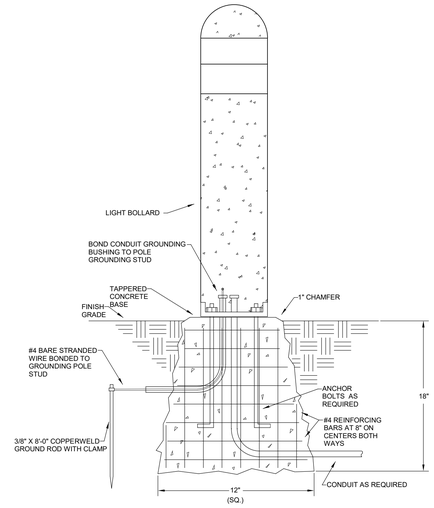
SECTION A-A

KENTUCKY UTILITIES TRANSFORMER PAD DETAIL
NOT TO SCALE

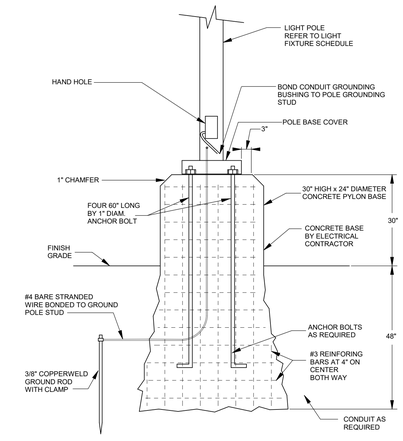
PRECAST KU PADS

NOTES:
1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH f'e = 4,500 psi
2. STEEL REINFORCEMENT: ASTM A-615, GRADE 60 (CONTACT STANDARDS GROUP FOR CURRENT VERSION)
3. MINIMUM REINFORCING COVER = 1"
4. TRANSFORMER PADS ARE DESIGNED TO MEET ALL KU SPECIFICATIONS

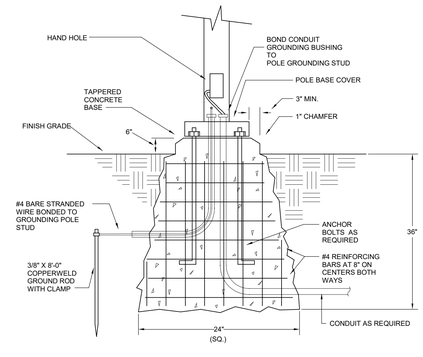
KVA	A	B	C	D	WEIGHT
0-150	7'-6"	5'-0"	4'-6"	1'-6"	3150 LBS
225-500	7'-6"	7'-0"	4'-6"	1'-6"	4650 LBS
750-3000	9'-0"	9'-0"	5'-0"	2'-0"	7435 LBS



INSTALLATION DETAIL OF LIGHT BOLLARD AND BASE
SCALE: NONE



POLE BASE DETAIL - TYPE A
SCALE: NONE



POLE BASE DETAIL - TYPE B
SCALE: NONE

LIGHT FIXTURE SCHEDULE

LF-#	FIXTURE DESCRIPTION	VOLTAGE	WATTAGE	LAMP	LUMEN OUTPUT	COLOR TEMPERATURE	COLOR RENDERING INDEX (CRI)	DRIVER	MANUFACTURER	MODEL	EQUIVALENT MANUFACTURERS
OLF-1	LED AREA LIGHT WITH CAST-ALUMINUM HOUSING AND DOOR FRAME, ACRYLIC LENSES, TYPE 3 MEDIUM DISTRIBUTION, TWO HEADS AT 180 DEGREES, INTEGRAL DRIVER, AND 19,049 LUMEN 4000K LED ENGINE. INSTALL ON 25' SQUARE STRAIGHT STEEL POLE. ARCHITECT SHALL SELECT FINISH OF FIXTURE AND POLE FROM STANDARD FINISHES DURING SHOP DRAWING PHASE.	208 V	163 W	LED	19,096 LM	4000 K	> 80	LED DRIVER	LITHONIA	DSX1 P6 40K T3M 208 SPA DF ** // SSS 25 5G VD	COOPER, LIGHTOLIER
OLF-1A	LED AREA LIGHT WITH CAST-ALUMINUM HOUSING AND DOOR FRAME, ACRYLIC LENSES, TYPE 2 MEDIUM DISTRIBUTION, SINGLE HEAD, INTEGRAL DRIVER, AND 19,096 LUMEN 4000K LED ENGINE. INSTALL ON 25' SQUARE STRAIGHT STEEL POLE. ARCHITECT SHALL SELECT FINISH OF FIXTURE AND POLE FROM STANDARD FINISHES DURING SHOP DRAWING PHASE.	208 V	163 W	LED	19,096 LM	4000 K	> 80	LED DRIVER	LITHONIA	DSX1 P6 40K T2M 208 SPA DF ** // SSS 25 5G VD	COOPER, LIGHTOLIER
OLF-1B	SAME AS OLF-1A EXCEPT WITH TYPE 4 MEDIUM DISTRIBUTION.	208 V	163 W	LED	19,096 LM	4000 K	> 80	LED DRIVER	LITHONIA	DSX1 P6 40K T4M 208 SPA DF ** // SSS 25 5G VD	COOPER, LIGHTOLIER
OLF-2	PEDESTRIAN SCALE LED WITH 24" DIAMETER X 4" HIGH DIE-CAST ALUMINUM HOUSING, ACRYLIC WAVE GUIDE, 360 DEGREE LED BOARD, ALUMINUM HEAT SINK, INTEGRAL LED DRIVER, INTEGRAL SURGE PROTECTION, 7,000 DELIVERED LUMENS, SYMMETTRIC TYPE 5 DISTRIBUTION, 78,000 HOURS RATED LIFE AT 100,000 HOURS, ETL LISTING FOR WET LOCATION, AND FIVE YEAR WARRANTY. FIXTURE TO BE MOUNTED TO A 14' STRAIGHT ROUND STEEL POLE. FINISH IS TO BE SELECTED BY ARCHITECT DURING SHOP DRAWING PHASE.	208 V	128 W	LED	7,000 LM	4000 K	> 80	LED DRIVER	LITHONIA	RADPT LED P3 40K SYM 208 RADPT20 ** SF **	COOPER, LIGHTOLIER
OLF-4	LED BOLLARD WITH 37-1/4 TALL X 6-1/2 WIDE DIE CAST ALUMINUM HOUSING, CLEAR TEMPERED GLASS LENS, ANODIZED ALUMINUM REFLECTOR, ASYMMETRIC CUTOFF LED OPTIC, 1650 DELIVERED LUMENS, L70 OF 50,000 HOURS, UL LISTING FOR WET LOCATIONS, IP65, AND FIVE YEAR LIMITED WARRANTY.	120 V	15 W	LED	1650 LM	4000 K	> 80	LED DRIVER	BEGA	84 238 K4 **	LIGMAN, US ARCHITECTURAL
OLF-5	LED IN GRADE LUMINAIRE WITH 9" DIAMTER ABS MOLDED POLYMERIC HOUSING, CAST ALUMINUM JUNCTION BOX, SLOTTED LOCKING DOOR, 20 DEGREE X 360 DEGREE AIMING, MEDIUM FLOOD DISTRIBUTION, STAINLESS STEEL LAMP MODULE WITH ADJUSTABLE SOCKET AND SEALED CONNECTOR ASSYMBLIES, LENS SEALED TO MODULE WITH SET RESISTANT SILICON GASKET USING A SEGMENTED COMPRESSION RING, ENCAPSULATED POWER MODULE IN HEAT DISSIPATING RESIN, 4000K LED ARRAY, 2,154 DELIVERED LUMENS, CORD SEAL ELECTRICAL CONNECTIONS BETWEEN LAMP MODULE, BALLAST, L92 OF 100,000 HOURS, AND 10 YEAR LIMITED WARRANTY.	120 V	15 W	LED	2250 LM	4000 K	> 80	LED DRIVER	BEGA	M8410C A LED P4 40K MVOLT MFL FLC	KIM, GARDCO
OLF-6	RECESSED ASYMMETRIC WIDE DISTRIBUTION LED STEPLIGHT WITH 13" X 5" H X 5-1/2" DEEP DIE CAST ALUMINUM HOUSING, INTEGRAL WIRING COMPARTMENT, ONE PIECE DIE CAST ALUMINUM FACEPLATE, 3/6" THICK CLEAR TEMPERED GLASS LENS, FLUSH FLAT HEAD STAINLESS STEEL CAPTIVE SCREWS THREADED INTO STAINLESS STEEL INSERTS IN THE HOUSING CASTING, HIGH TEMPERATURE MOLDED SILICONE GASKET FOR WATER TIGHT OPERATION, INTERNAL SEMI SPECULAR ANODIZED ALUMINUM REFLECTOR, 848 DELIVERED LUMENS, 120-277 VOLT INTERNAL DRIVER, U.L. LISTED SUITABLE FOR WET LOCATIONS AND FOR INSTALLATION WITHIN 3 FEET OF GROUND AND FOR ALL TYPES OF CONSTRUCTION INCLUDING POURED CONCRETE, PROTECTION CLASS: IP 65, AND 12.1 WATT LED LAMP BOARD.	120 V	15 W	LED	848 LM	4000 K	> 80	LED DRIVER	BEGA	24 060 K4 **	MCPHIBEN, HYDREL
OLF-6A	RECESSED ASYMMETRIC WIDE DISTRIBUTION LED STEPLIGHT WITH 12" X 2-3/4" H X 5-1/2" DEEP DIE CAST ALUMINUM HOUSING, INTEGRAL WIRING COMPARTMENT, ONE PIECE DIE CAST ALUMINUM FACEPLATE, 3/6" THICK CLEAR TEMPERED GLASS LENS, FLUSH FLAT HEAD STAINLESS STEEL CAPTIVE SCREWS THREADED INTO STAINLESS STEEL INSERTS IN THE HOUSING CASTING, HIGH TEMPERATURE MOLDED SILICONE GASKET FOR WATER TIGHT OPERATION, INTERNAL SEMI SPECULAR ANODIZED ALUMINUM REFLECTOR, 848 DELIVERED LUMENS, 120-277 VOLT INTERNAL DRIVER, U.L. LISTED SUITABLE FOR WET LOCATIONS AND FOR INSTALLATION WITHIN 3 FEET OF GROUND AND FOR ALL TYPES OF CONSTRUCTION INCLUDING POURED CONCRETE, PROTECTION CLASS: IP 65, AND 12.1 WATT LED LAMP BOARD.	120 V	8.7 W	LED	585 LM	4000 K	> 80	LED DRIVER	BEGA	24 065 K4 **	MCPHIBEN, HYDREL
OLF-7	4" RECESSED LINEAR SLOT, REFER TO LIGHTING PLANS FOR LENGTH.	120 V		LED							

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BG # 22-207

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SITE UTILITIES DETAILS

DATE ISSUED:
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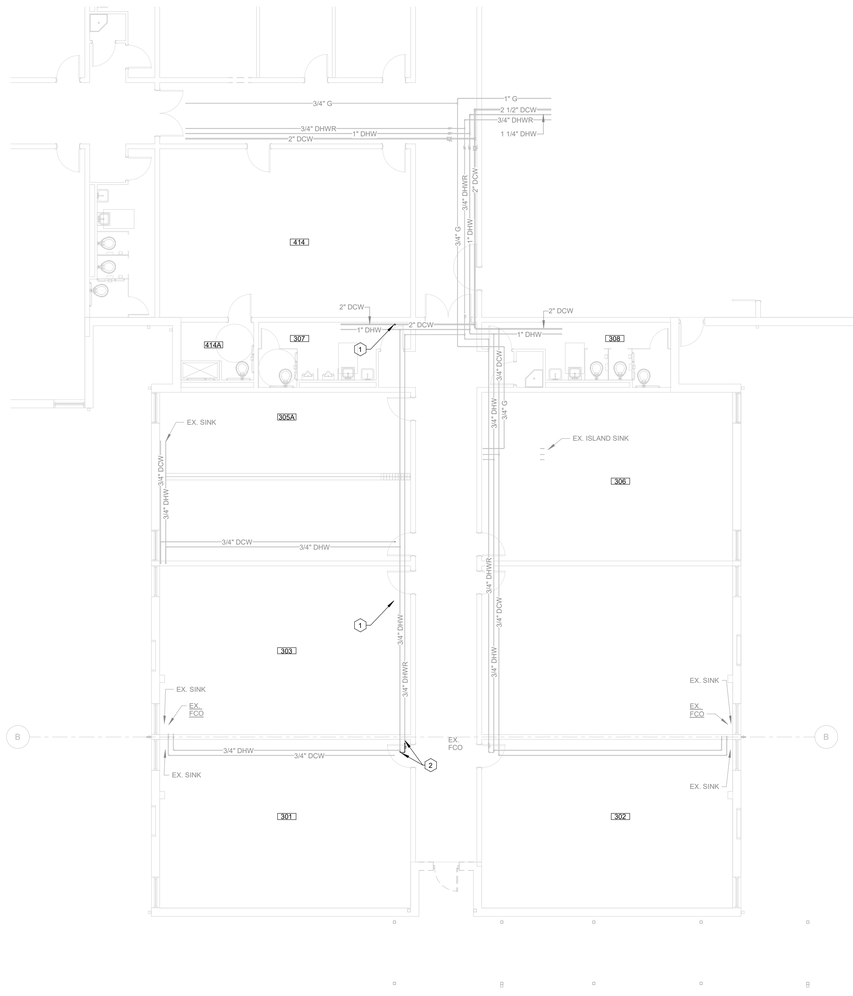


PLUMBING DEMOLITION PLAN - AREA A

SCALE: 1/8" = 1'-0"

CODED NOTES:

1 REMOVE EXISTING 3/4" DCW BACK TO 2" DCW MAIN AS INDICATED.CUT AND CAP FOR NEW WORK.

2 REMOVE EX. 3/4" DHW, 3/4" DHWR AND BALANCING VALVE ASSEMBLY AS INDICATED. CUT AND CAP FOR NEW WORK.

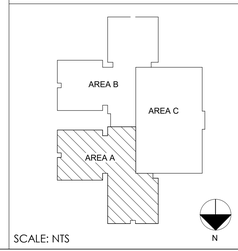
ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

STAGGS & FISHER CONSULTING ENGINEERS, INC.
3244 Loch Ness Drive
Lexington, KY 40517
859.271.3246

PLUMBING DEMOLITION PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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Lexington, KY 40517
p 859.271.3246

Structural Engineer:
Structural Design Group, Inc.
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p 615.255.55347

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	DH / VB
Rev'd By:	JS

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PLUMBING DEMOLITION PLAN - AREA A

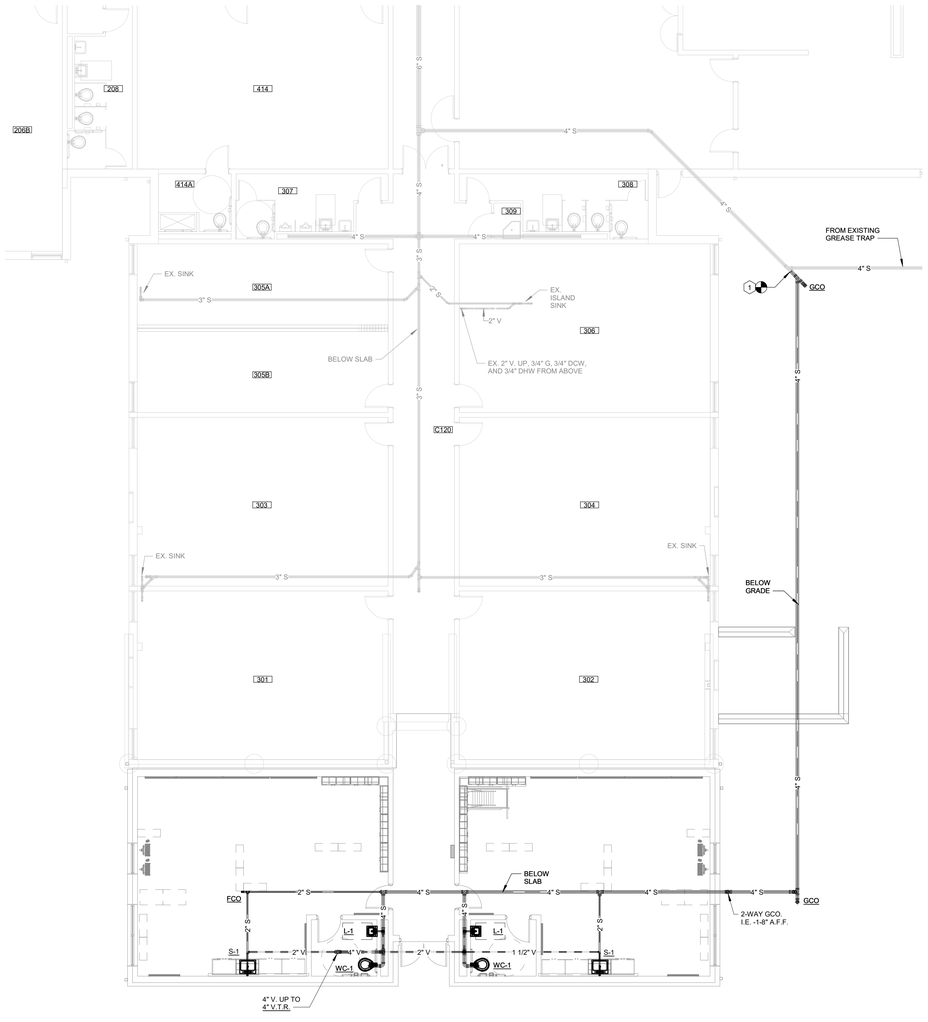
DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1 CONNECT TO EXISTING 4" SANITARY ON OUTLET SIDE OF EXISTING GREASE TRAP. FIELD VERIFY AND MATCH EXISTING INVERT PRIOR TO CONSTRUCTION.



SANITARY WASTE & VENT PLUMBING PLAN - AREA A - BASE BID

SCALE: 1/8" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
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009	CUST.
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101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
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509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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STAGGS & FISHER CONSULTING ENGINEERS, INC.
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859.271.3246

SANITARY WASTE & VENT PLUMBING PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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p 615.255.55347

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	DH / VB
Rev'd By:	JS

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SANITARY WASTE & VENT PLUMBING PLAN - AREA A

DATE ISSUED:
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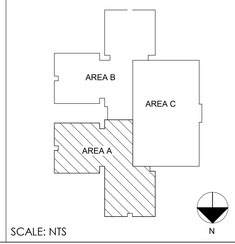
KEY PLAN



SCALE: NTS

NOTE:

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REVISIONS

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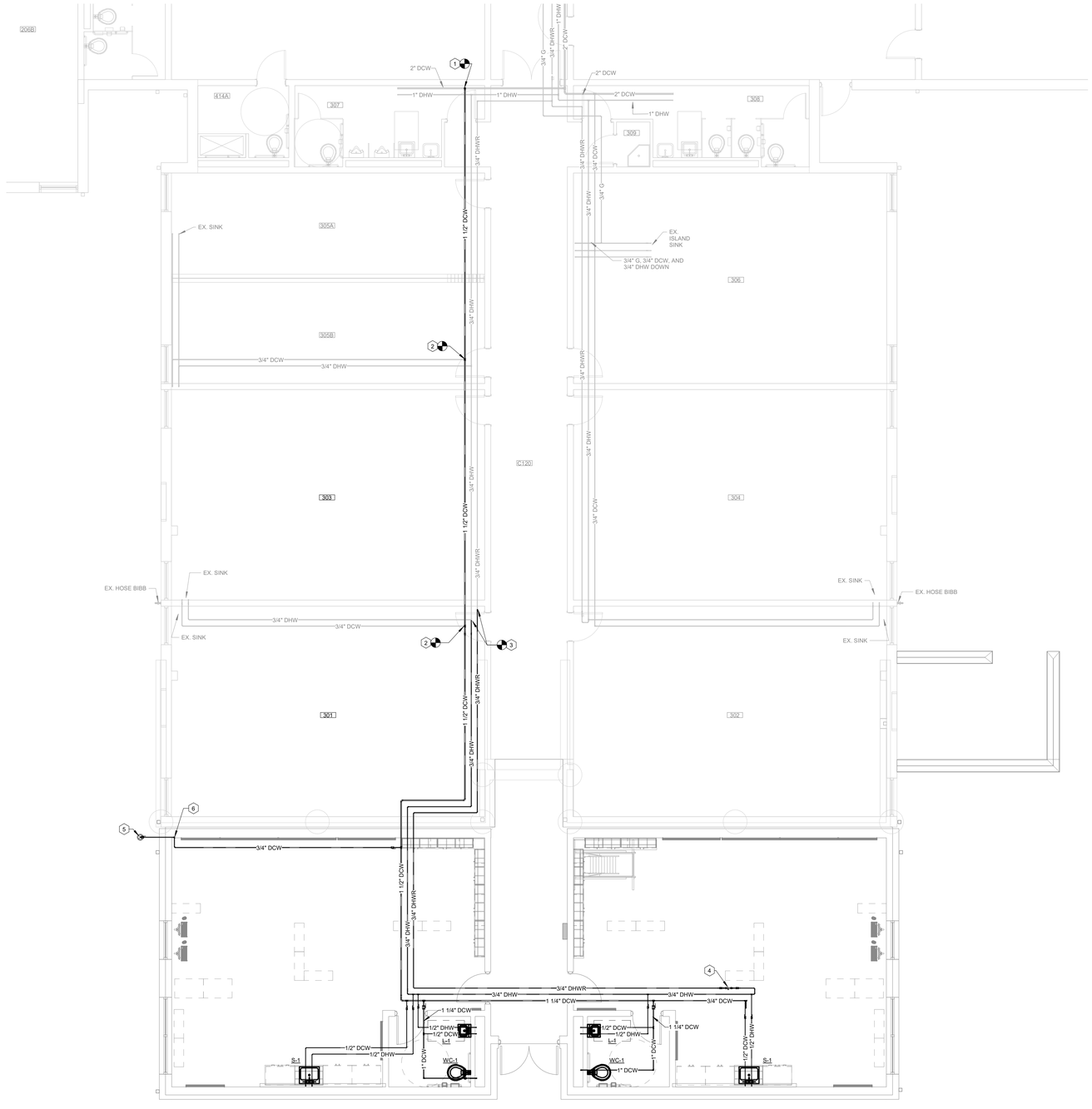

CODED NOTES:

1 CONNECT TO EXISTING 2" DCW AS REQUIRED.

2 RECONNECT EXISTING 3/4" DCW TO NEW 2" DCW AS REQUIRED.

3 CONNECT TO EXISTING 3/4" DHW AND 3/4" DHWR AS REQUIRED.

4 DOMESTIC RECIRCULATING HOT WATER BALANCING ASSEMBLY. SEE DETAIL ON SHEET P-4.0

5 PROVIDE 3/4" DCW, VALVE AND VALVE BOX. CAP FOR FUTURE CONNECTION. SEE DETAIL ON SHEET P4.0.

6 3/4" DCW DOWN TO BELOW GRADE.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
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104	CORRIDOR
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203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
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406	OFFICE
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504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

DOMESTIC WATER PLUMBING PLAN - AREA A - BASE BID

SCALE: 3/16" = 1'-0"

NOTE:

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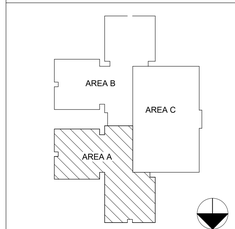
KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

STAGGS & FISHER CONSULTING ENGINEERS, INC.
3264 Lochness Drive
Lexington, KY 40517
859.271.3246

DOMESTIC WATER PLUMBING PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION

IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
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Lexington, KY 40517
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Structural Engineer:
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p.615.255.55347

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p.859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	DH / VB
Rev'd By:	JS

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DOMESTIC WATER PLUMBING PLAN - AREA A

DATE ISSUED:
MARCH 23, 2022

REVISIONS

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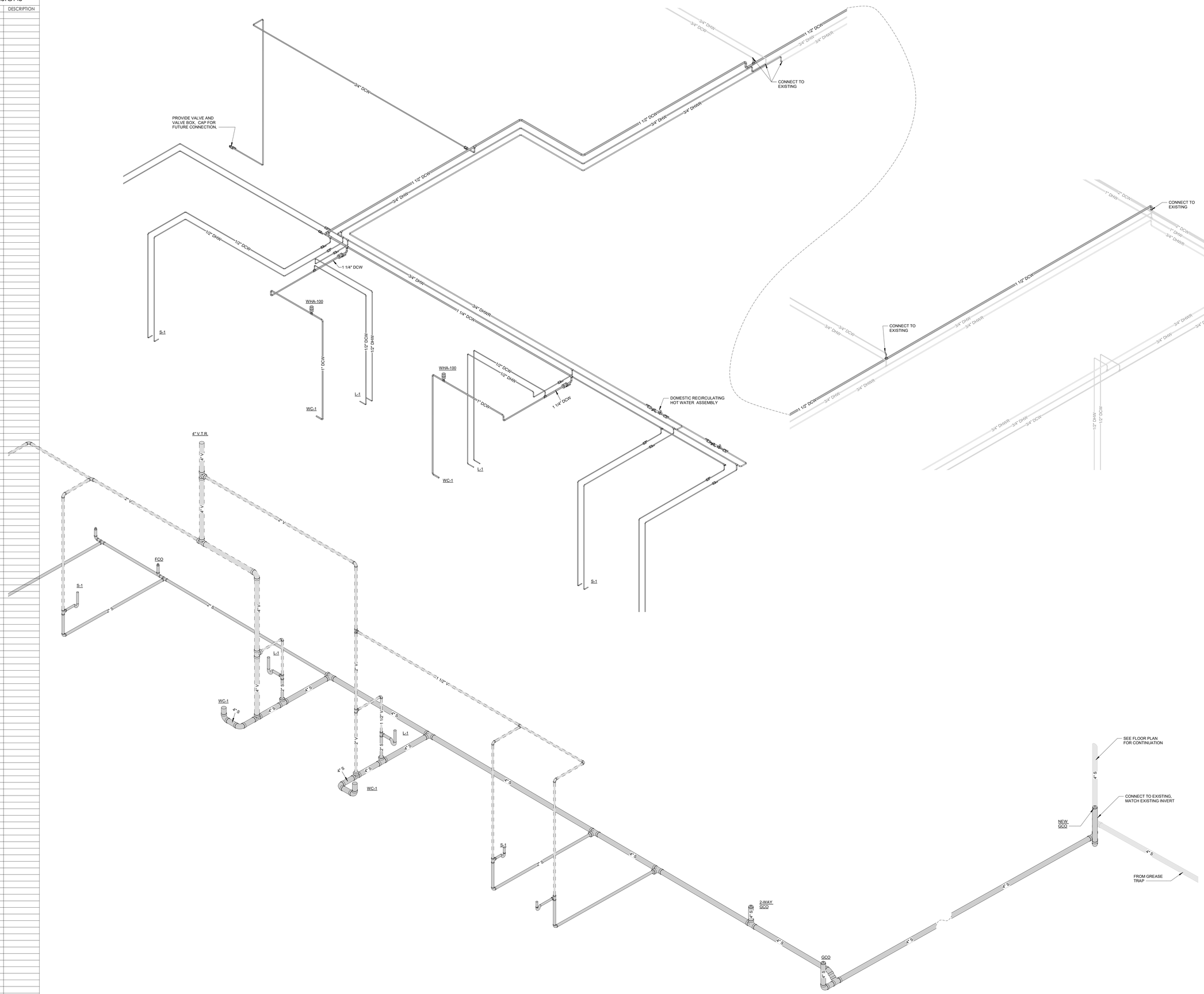

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

NOT FOR CONSTRUCTION

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859.271.3246

PLUMBING RISER DIAGRAMS

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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PLUMBING RISER DIAGRAMS

DATE ISSUED:
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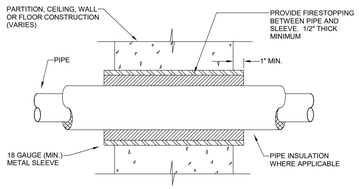
REVISIONS

#	DATE	DESCRIPTION

FIXTURE SCHEDULE AND ROUGHING-IN REQUIREMENTS

FIXTURE NUMBER	FIXTURE	MFR.	MODEL NO.	FLUSH VALVE, FAUCET	ACCESSORIES	MOUNTING	WALL HUNG, FLOOR MOUNTED, COUNTERTOP	MOUNTING HEIGHT (SEE REMARKS)	HOT	COLD	WASTE (MIN.)	VENT (MIN.)	REMARKS
WC-1	WATER CLOSET	KOHLER	KINGSTON, K-4325, VITREOUS CHINA	SLOAN REGAL 111-1.28 GPF, MANUAL	SEAT STANDARD WHITE	ADA	WALL HUNG	---	---	1"	4"	2"	SEE ARCHITECTURAL DETAILS FOR MOUNTING HEIGHTS.
L-1	LAVATORY	KOHLER	KINGSTON K-2005, VITREOUS CHINA	ZURN SIERRA Z7440-XL, 1.5 GPM, SINGLE LEVER, MANUAL	GRID STRAINER, P-TRAP, STOPS & SUPPLIES	ADA	WALL HUNG	----	1/2"	1/2"	1-1/4" P-TRAP	1-1/2"	SEE ARCHITECTURAL DETAILS FOR MOUNTING HEIGHTS. CONCEALED ARMS, AND WHITE TRUEBRO LAV GUARDS
S-1	SINK	ELKAY	LRAD191855, 5-1/2" DEEP, STAINLESS STEEL	CHICAGO #786-GN2A-E29-317 , GOOSENECK WITH 4" WRIST BLADES	CUP STRAINER, P-TRAP, STOPS & SUPPLIES	ADA	COUNTER DROP-IN	---	1/2"	1/2"	1-1/2" P-TRAP	1-1/2"	



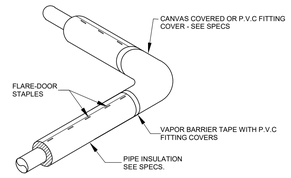
NOTES:

1. SPACE BETWEEN PIPE AND SLEEVE SHALL BE FREE OF ANY FOREIGN MATERIAL.
2. PIPE SHALL BE APPROXIMATELY CENTERED IN OPENING.

TYPICAL FIRESTOPPING DETAIL

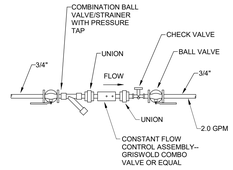
SCALE: NONE

FITTINGS -- ALL FITTINGS SHALL BE FINISHED WITH CANVAS CLOTH APPLIED OVER. CONTRACTOR HAS THE OPTION OF FINISHING FITTINGS WITH P.V.C. FIRE TESTED AND RATED FITTING COVERS. SEE SPECS.



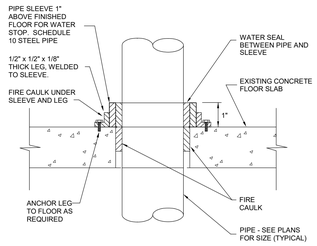
TYPICAL DETAIL OF INSULATION AT PIPE FITTING

SCALE: NONE



DOMESTIC RECIRULATING HOT WATER BALANCING ASSEMBLY

SCALE: NONE

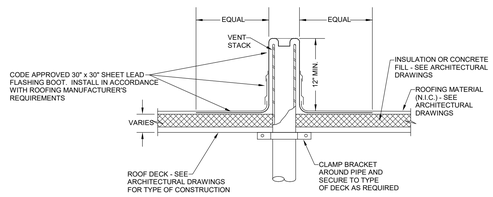


NOTES:

1. COORDINATE WITH FIRE STOPPING MANUFACTURER TO INSURE U.L. LISTED ASSEMBLY.
2. FIRE CAULK ALL AROUND UNDER PIPE SLEEVE AND LEGS.

SLEEVE DETAIL FOR PIPING PASSING THRU EXISTING CONCRETE FLOOR SLAB

SCALE: NONE



VENT-THRU-ROOF DETAIL

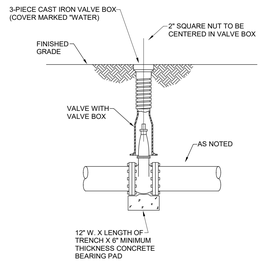
SCALE: NONE

NOTES:

ALL VALVES SHALL BE PROVIDED WITH VALVE BOXES . VALVE BOXES SHALL BE STANDARD, ADJUSTABLE, CAST IRON OR PVC EXTENSION TYPE, THREE PIECE, 5-1/4" SHAFT, SCREW TYPE AND OF SUCH LENGTH AS NECESSARY TO EXTEND FROM VALVE TO FINISHED GRADE.

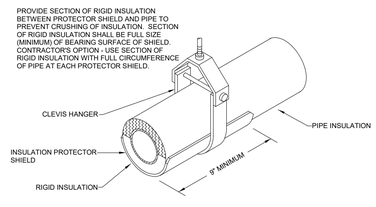
VALVE BOX BASES SHALL CONFORM TO THE FOLLOWING:

VALVE SIZE	BASE
4" AND SMALLER	ROUND, 8" IN HEIGHT, 10-7/8" DIA AT BOTTOM
6" AND 8"	ROUND, 11" IN HEIGHT, 14-3/8" DIA. AT BOTTOM
10" AND LARGER	ROUND 11" IN HEIGHT, 15" x 11-1/8" DIA. AT BOTTOM



TYPICAL VALVE WITH VALVE BOX DETAIL

SCALE: NONE



TYPICAL PIPE SUPPORT DETAIL WITH SHIELD

SCALE: NONE

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PLUMBING DETAILS & SCHEDULES

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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PLUMBING DETAILS & SCHEDULES

DATE ISSUED:
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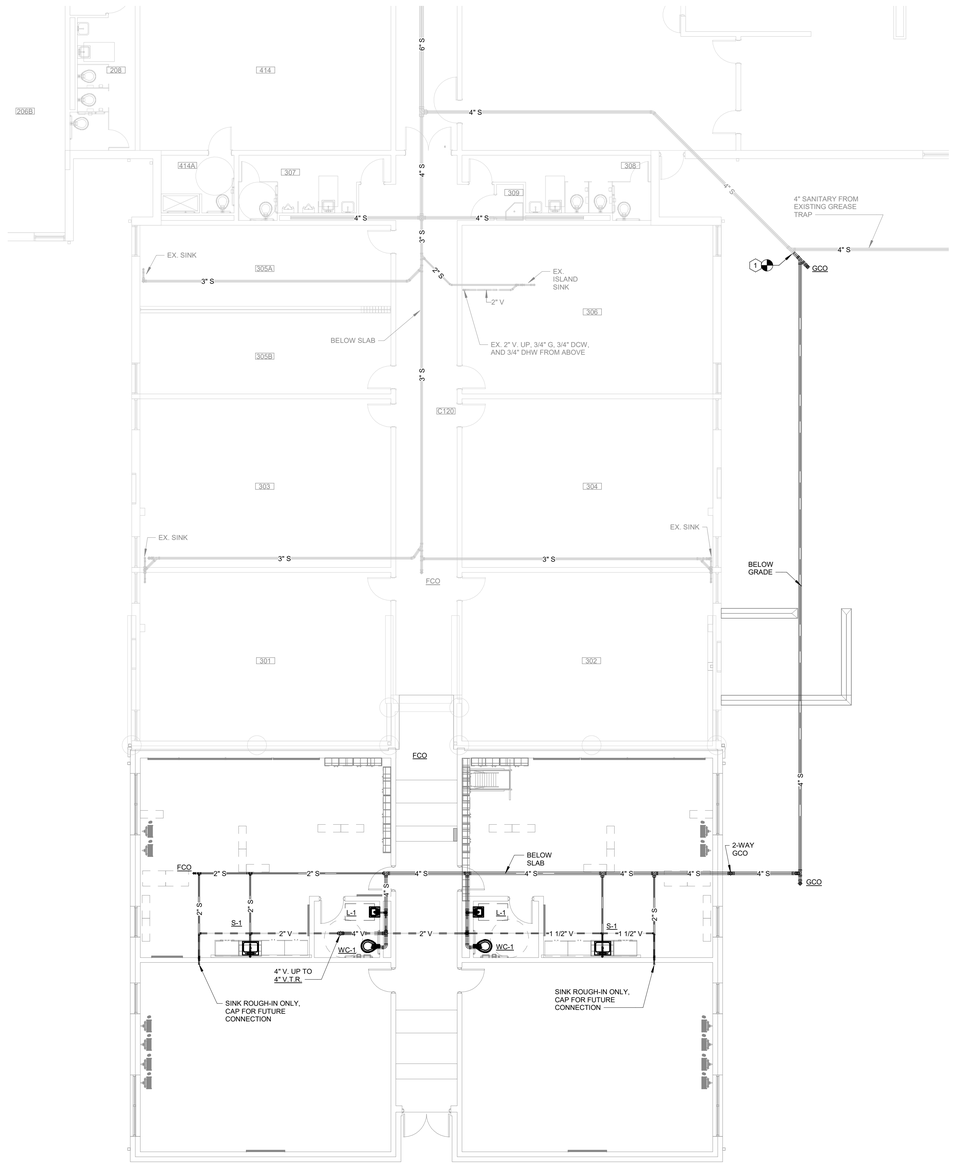

SANITARY WASTE & VENT PLUMBING PLAN - AREA A - ALTERNATE #4

SCALE: 1/8" = 1'-0"

CODED NOTES:

1 CONNECT TO EXISTING 4" SANITARY ON OUTLET SIDE OF EXISTING GREASE TRAP. FIELD VERIFY AND MATCH EXISTING INVERT PRIOR TO CONSTRUCTION.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
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008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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

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3264 Lochness Drive
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SANITARY WASTE AND VENT PLUMBING PLAN - AREA A - ALTERNATE #4

ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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Structural Engineer:
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Construction Manager:
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P.O. Box 17
Winchester, Kentucky 40392
p.859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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SANITARY WASTE AND VENT PLUMBING PLAN - AREA A - ALTERNATE #4

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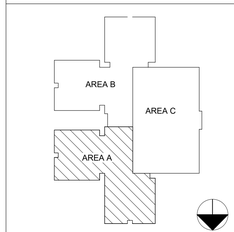
KEY PLAN



SCALE: NTS

NOTE:

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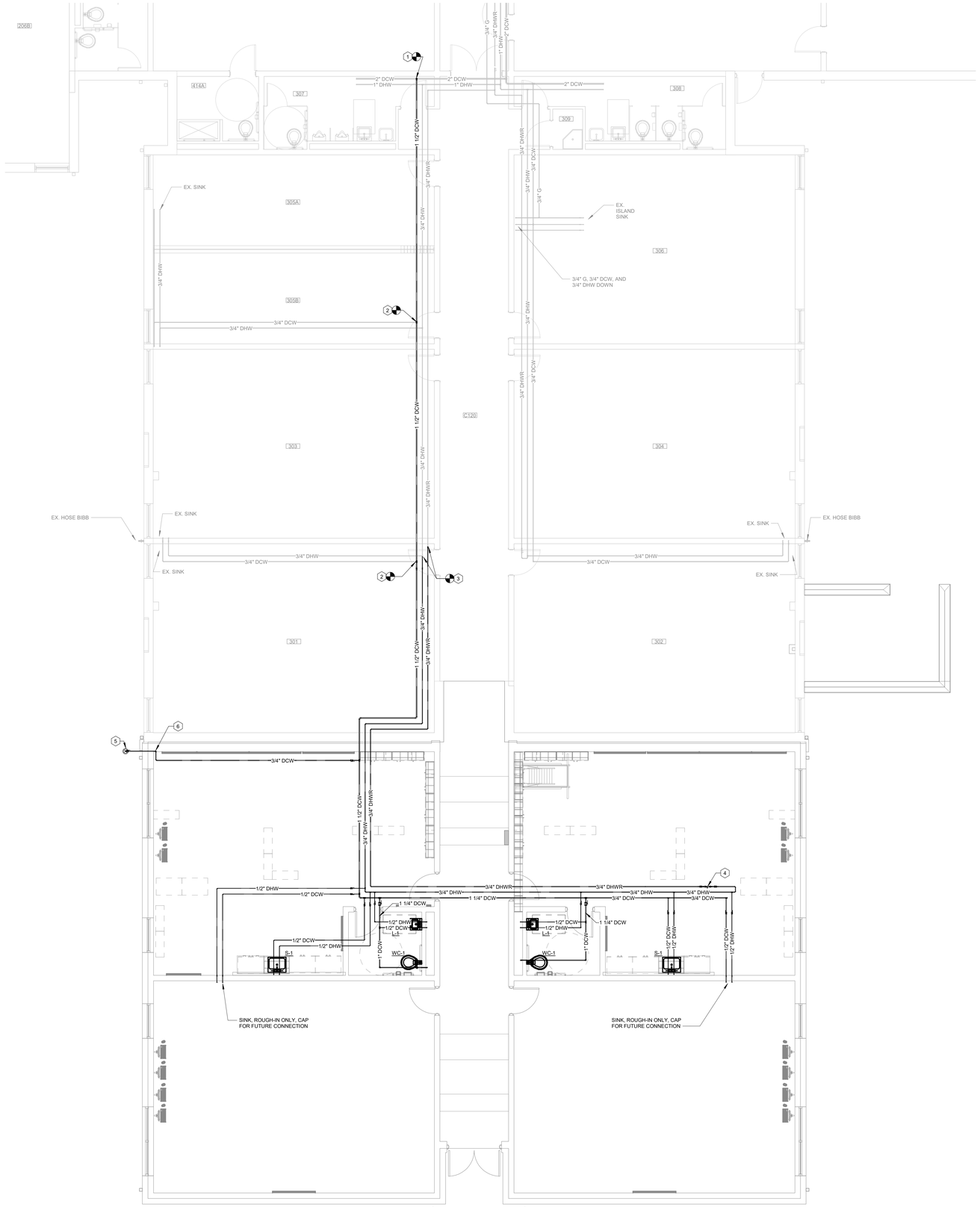

DOMESTIC WATER PLUMBING PLAN - AREA A - ALTERNATE #4

SCALE: 3/16" = 1'-0"

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

CODED NOTES:

1. CONNECT TO EXISTING 2" DCW AS REQUIRED.
2. RECONNECT EXISTING 3/4" DCW TO NEW 2" DCW AS REQUIRED.
3. CONNECT TO EXISTING 3/4" DHW AND 3/4" DHWR AS REQUIRED.
4. DOMESTIC RECIRCULATING HOT WATER BALANCING ASSEMBLY. SEE DETAIL ON SHEET P-4.0
5. PROVIDE 3/4" DCW, VALVE AND VALVE BOX. CAP FOR FUTURE CONNECTION, SEE DETAIL ON SHEET P4.0.
6. 3/4" DCW DOWN TO BELOW GRADE.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
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414	FMD
414A	RESTROOM
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500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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DOMESTIC WATER PLUMBING PLAN - AREA A - ALTERNATE #4

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Construction Manager:
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P.O. Box 17
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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DOMESTIC WATER PLUMBING PLAN - AREA A - ALTERNATE #4

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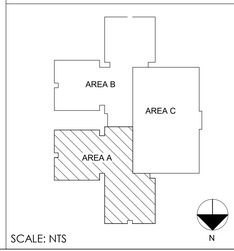
KEY PLAN



SCALE: NTS

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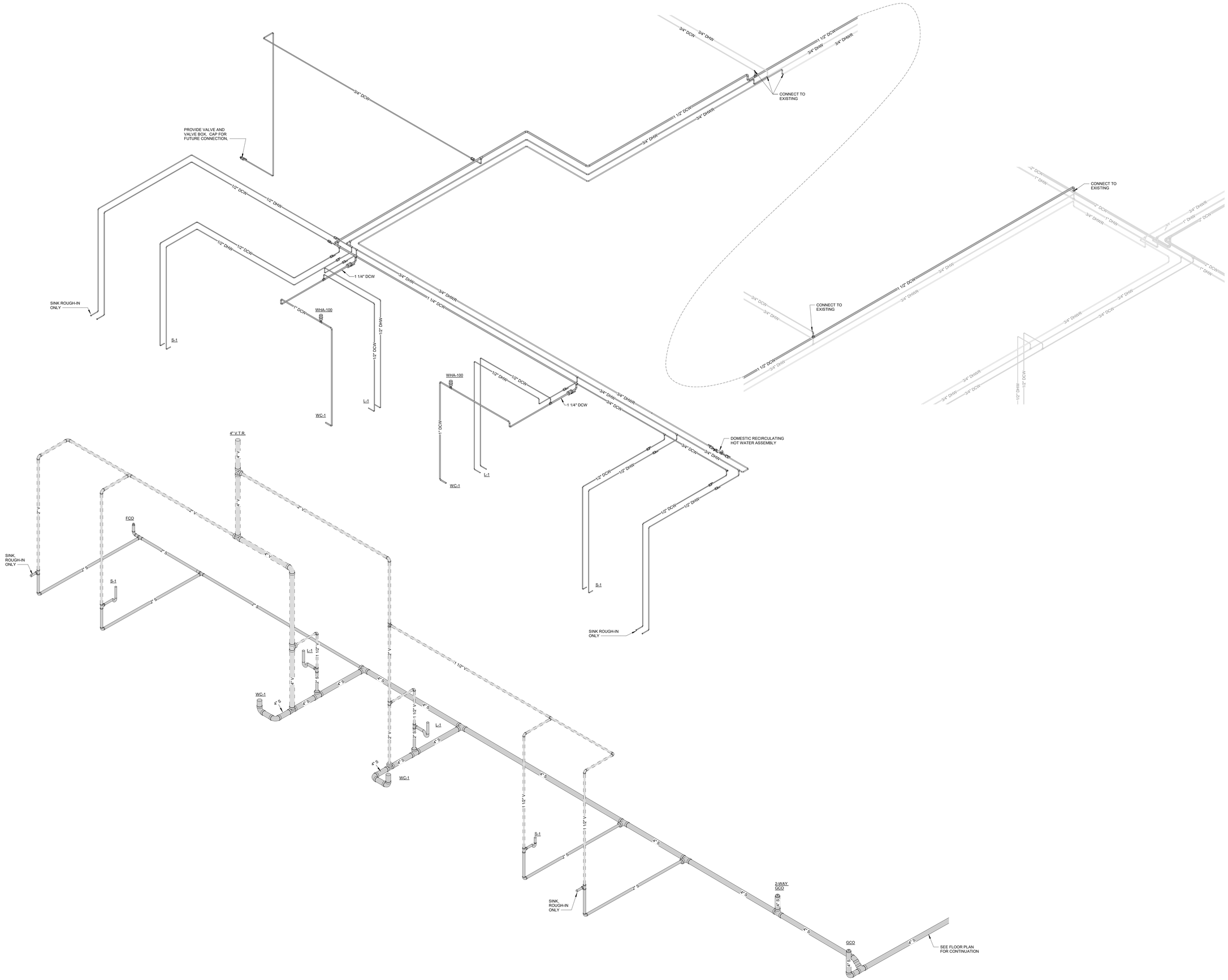

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859.271.3246

PLUMBING RISER DIAGRAMS - ALTERNATE #4

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Rev'd By:	Checker

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PLUMBING RISER DIAGRAMS - ALTERNATE #4

DATE ISSUED:
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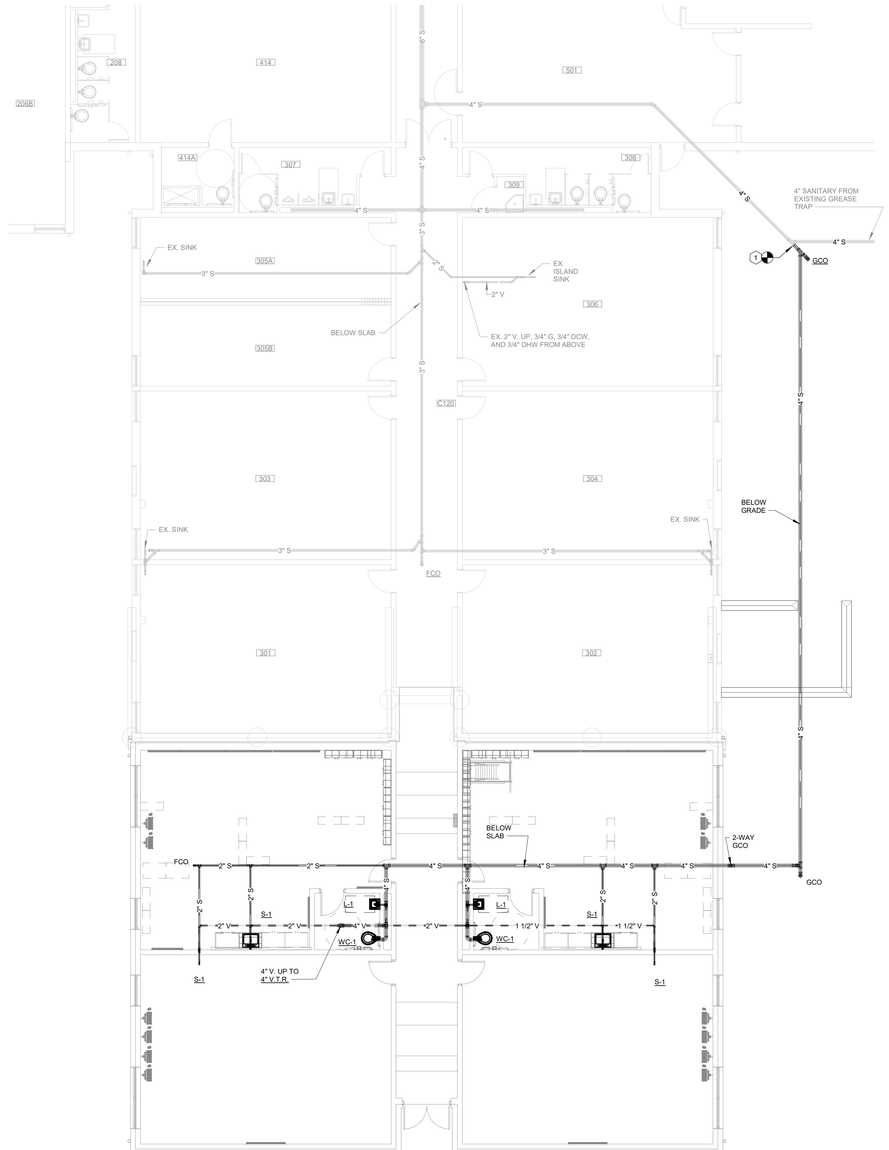
#	DATE	DESCRIPTION



SANITARY WASTE & VENT PLUMBING PLAN - AREA A - ALTERNATE #5

SCALE: 1/8" = 1'-0"

CODED NOTES:

1 CONNECT TO EXISTING 4" SANITARY ON OUTLET SIDE OF EXISTING GREASE TRAP. FIELD VERIFY AND MATCH EXISTING INVERT PRIOR TO CONSTRUCTION.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

rosstarrant architects
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SANITARY WASTE & VENT PLUMBING PLAN - AREA A - ALTERNATE #5

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
Staggs & Fisher
3264 Lochness Dr.
Lexington, KY 40517
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Structural Engineer:
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Construction Manager:
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P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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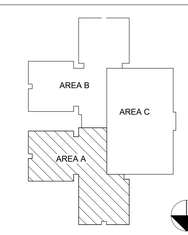
KEY PLAN



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SANITARY WASTE & VENT PLUMBING PLAN - AREA A - ALTERNATE #5

DATE ISSUED:
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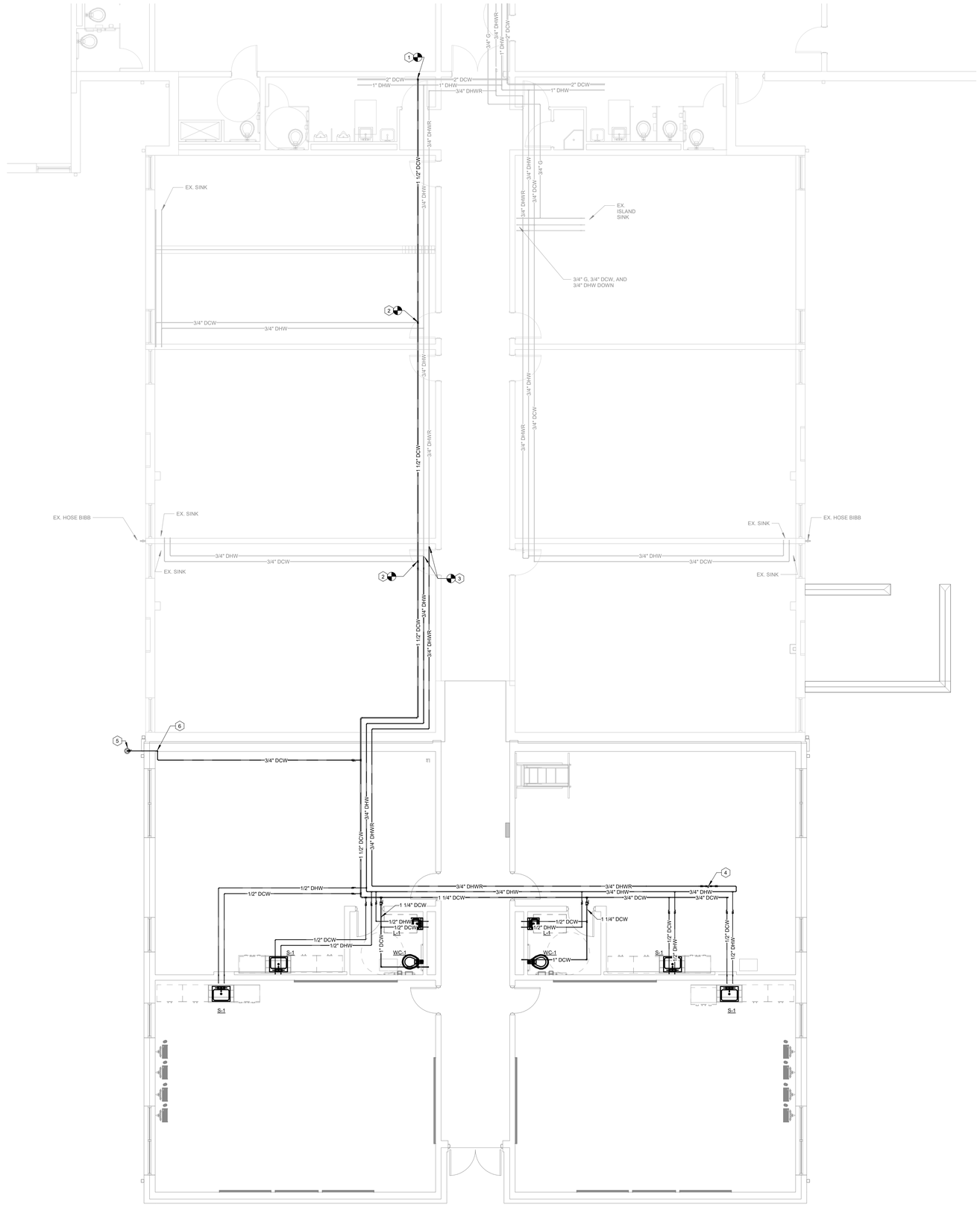

DOMESTIC WATER PLUMBING PLAN - AREA A - ALTERNATE #5

SCALE: 3/16" = 1'-0"

CODED NOTES:

1. CONNECT TO EXISTING 2" DCW AS REQUIRED.
2. RECONNECT EXISTING 3/4" DCW TO NEW 2" DCW AS REQUIRED.
3. CONNECT TO EXISTING 3/4" DHW AND 3/4" DHWR AS REQUIRED.
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6. 3/4" DCW DOWN TO BELOW GRADE.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
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006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
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101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
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104	CLASSROOM
104	CORRIDOR
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105B	CLASSROOM
106	CLASSROOM
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152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
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208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
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303	CLASSROOM
304	CLASSROOM
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306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
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406	OFFICE
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410	OFFICE
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500C	STOR.
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507	DRY FOOD
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508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

NOTE:

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DOMESTIC WATER PLUMBING PLAN - AREA A - ALTERNATE #5

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FOR:

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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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DOMESTIC WATER PLUMBING PLAN - AREA A - ALTERNATE #5

DATE ISSUED:
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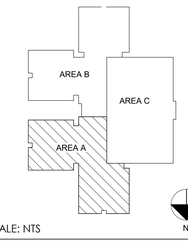
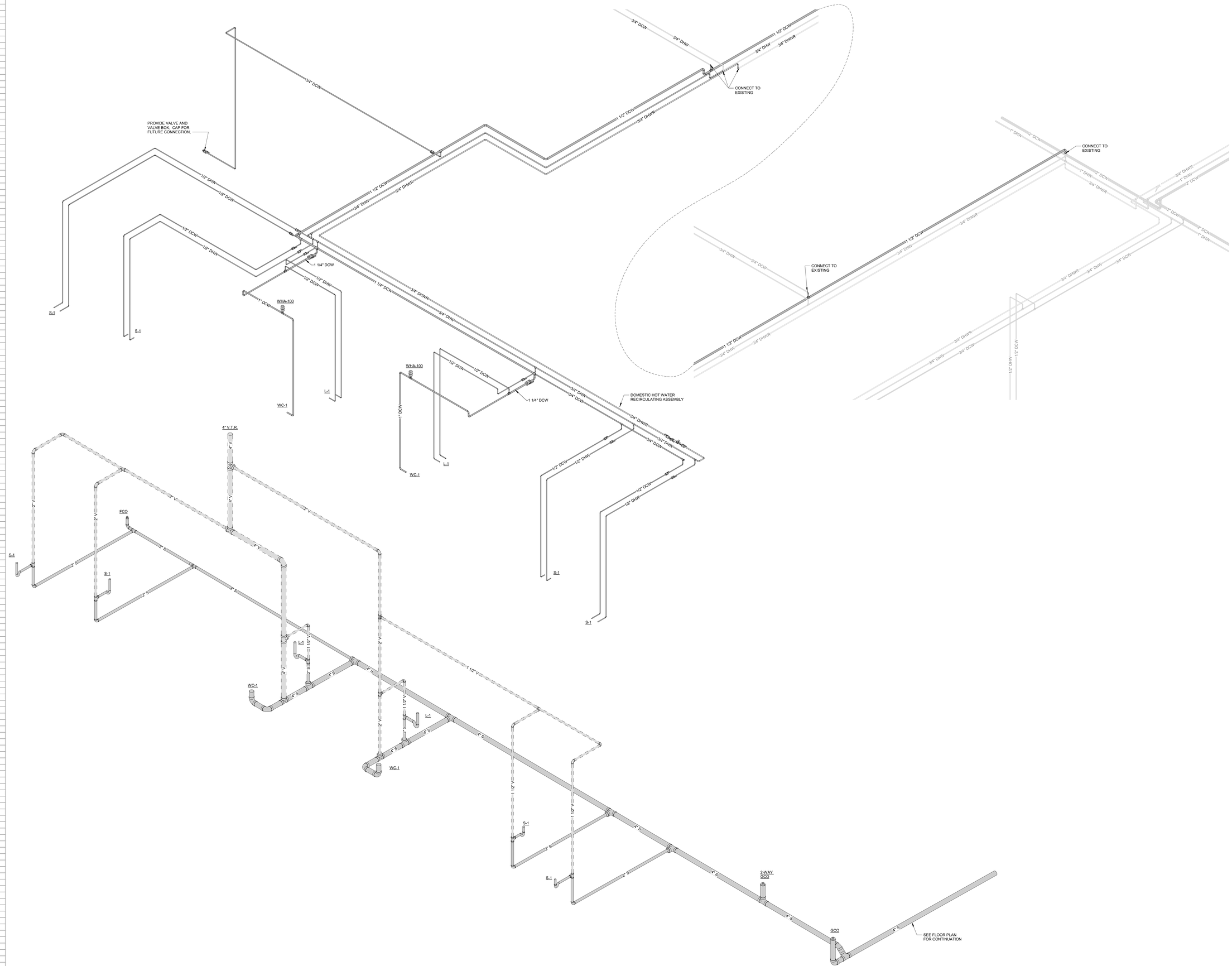
KEY PLAN



SCALE: NTS

REVISIONS		
#	DATE	DESCRIPTION



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PLUMBING RISER DIAGRAMS - ALTERNATE #5

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PLUMBING RISER DIAGRAMS - ALTERNATE #5

DATE ISSUED:
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MECHANICAL LEGEND

PLUMBING LEGEND

S	SANITARY OR WASTE PIPING
V	VENT PIPING
KW	KITCHEN WASTE PIPING
AW	ACID WASTE PIPING
AWV	ACID WASTE VENT PIPING
RL	ROOF LEADER PIPING
ORL	OVERFLOW ROOF LEADER PIPING
SS	STORM SEWER PIPING
SPD	ELEVATOR SUMP PUMP DISCHARGE PIPING
DCW	COLD WATER PIPING
DHW	DOMESTIC HOT WATER PIPING
DHWR	DOMESTIC HOT WATER RECIRCULATING PIPING
DHWXXX	DOMESTIC HOT WATER SUPPLY PIPING (XXX) INDICATES TEMPERATURE
DHWRXXX	DOMESTIC HOT WATER RECIRCULATING PIPING (XXX) INDICATES TEMPERATURE
G	GAS PIPING
A	AIR PIPING
VAC	VACUUM PIPING
SCW	SOFT COLD WATER
RO	REVERSE OSMOSIS WATER PIPING
ROR	REVERSE OSMOSIS WATER RETURN PIPING
LCW	LAB COLD WATER PIPING
LHW	LAB HOT WATER PIPING
LHWR	LAB HOT WATER RECIRCULATING PIPING
	GATE VALVE
	BALL VALVE
	CHECK VALVE
	UNION
P	PRESSURE GAUGE
T	THERMOMETER
WVR - RISER DES. DWG. NO.	WASTE AND VENT RISER DIAGRAM DESIGNATION
HCR - RISER DES. DWG. NO.	DOMESTIC HOT/COLD WATER RISER DIAGRAM DESIGNATION

PLUMBING ABBREVIATIONS

CI	CAST IRON
PCO	PIPE CLEANOUT
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
GCO	GRADE CLEANOUT
DCW	DOMESTIC COLD WATER
FD	FLOOR DRAIN
DHW	DOMESTIC HOT WATER
OHD	OPEN HUB DRAIN
OR	OPEN RECEPTACLE
PVC	POLY-VINYL CHLORIDE
RD	ROOF DRAIN
SA	SHOCK ARRESTOR
VTR	VENT-THROUGH-ROOF
VCP	VITRIFIED CLAY PIPE
ORD	OVERFLOW ROOF DRAIN
WH	WALL HYDRANT
HB	HOUSE BIBB
IMB	ICE MAKER BOX

FIRE PROTECTION LEGEND

FP	FIRE PROTECTION MAIN (REFER TO PLANS FOR PIPE SIZE)
	SUPERVISED VALVE
	INSPECTOR'S TEST PIPING
	FLOW SWITCH
P	PRESSURE GAUGE
	SPRINKLER HEAD (SEMI-RECESSED)
	SPRINKLER HEAD (CONCEALED)
	SPRINKLER HEAD (PENDENT)
D	SPRINKLER HEAD (PENDENT - DRY TYPE)
HT	SPRINKLER HEAD (HIGH TEMPERATURE)
	SPRINKLER HEAD (UPRIGHT)
	SPRINKLER HEAD (SIDEWALL - EXISTING)
	SPRINKLER HEAD (SIDEWALL)
E	SPRINKLER HEAD (SIDEWALL-EXTENDED COVERAGE)

HVAC LEGEND

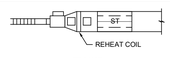
14"x8"	RECTANGULAR DUCT – WIDTH X DEPTH (REFER TO PLANS FOR DUCT SIZE)
	INTERNALLY LINED DUCT
14"x8" RD	OVAL DUCT – WIDTH X DEPTH
8" RD	FLEXIBLE DUCT
	RISE IN DIRECTION OF ARROW
	RECTANGULAR TO ROUND TRANSITION
	SQUARE ELBOW WITH TURNING VANES
	MANUAL VOLUME/BALANCING DAMPER
FD	FIRE DAMPER
	ROUND DUCT – UP, DOWN
	SUPPLY DUCT – UP, DOWN
	RETURN DUCT – UP, DOWN
	EXHAUST DUCT – UP, DOWN
	FLEXIBLE CONNECTION
M	MOTOR-OPERATED DAMPER
	CONTROL DAMPER
	SOUND TRAP
HCD 1.0	ACCESS DOOR – PLAN, SIDE VEIW
	UNIT SYMBOL, WATER FLOW(GPM)
SP	STATIC PRESSURE SENSOR IN DUCT
T	TEMPERATURE SENSOR
C	CO2 SENSOR
H	HUMIDITY SENSOR
F	FREEZESTAT
CSS	CURRENT SENSING SWITCH
DPS	DIFFERENTIAL PRESSURE SWITCH
VFD	VARIABLE FREQUENCY DRIVE
STR	STARTER
S-1 250 CFM	SUPPLY DIFFUSER – TYPE, AIR QUANTITY
	SUPPLY DIFFUSER – ELEVATION
R-1 250 CFM	RETURN INLET – TYPE, AIR QUANTITY
	SIDEWALL RETURN GRILLE – ELEVATION
	SIDEWALL RETURN GRILLE – PLAN
E-1 250 CFM	EXHAUST INLET – TYPE, AIR QUANTITY
	EXHAUST/RETURN INLET – ELEVATION

HVAC PIPING LEGEND

HPS	HIGH PRESSURE STEAM (REFER TO PLANS FOR PIPE SIZE)
HPR	HIGH PRESSURE CONDENSATE RETURN (REFER TO PLANS FOR PIPE SIZE)
LPS	LOW PRESSURE STEAM (REFER TO PLANS FOR PIPE SIZE)
LPR	LOW PRESSURE CONDENSATE RETURN (REFER TO PLANS FOR PIPE SIZE)
SV	STEAM VENT (REFER TO PLANS FOR PIPE SIZE)
SV V	SAFETY RELIEF VALVE VENT (REFER TO PLANS FOR PIPE SIZE)
PD	CONDENSATE PUMP DISCHARGE (REFER TO PLANS FOR PIPE SIZE)
FW	FEEDWATER (REFER TO PLANS FOR PIPE SIZE)
CWS	CHILLED WATER SUPPLY (REFER TO PLANS FOR PIPE SIZE)
CWR	CHILLED WATER RETURN (REFER TO PLANS FOR PIPE SIZE)
HWS	HOT WATER SUPPLY (REFER TO PLANS FOR PIPE SIZE)
HWR	HOT WATER RETURN (REFER TO PLANS FOR PIPE SIZE)
CDS	CONDENSER WATER SUPPLY (REFER TO PLANS FOR PIPE SIZE)
CDR	CONDENSER WATER RETURN (REFER TO PLANS FOR PIPE SIZE)
DCW	DOMESTIC COLD WATER (REFER TO PLANS FOR PIPE SIZE)
SW	SOFT WATER (REFER TO PLANS FOR PIPE SIZE)
HWET	HOT WATER EXPANSION TANK PIPE (REFER TO PLANS FOR PIPE SIZE)
CWET	CHILLED WATER EXPANSION TANK PIPE (REFER TO PLANS FOR PIPE SIZE)
CD	CONDENSATE DRAIN (REFER TO PLANS FOR PIPE SIZE)
REF	REFRIGERATE LINE (REFER TO PLANS FOR PIPE SIZE)
	GATE VALVE (SCREWED) - - PLAN, END VIEW
	GATE VALVE (FLANGED) - - PLAN, END VIEW
HP	TRIPLE OFFSET ROTARY VALVE - - PLAN, END VIEW
	GLOBE VALVE (SCREWED) - - PLAN, END VIEW
	GLOBE VALVE (FLANGED) - - PLAN, END VIEW
	CHECK VALVE; SILENT CHECK VALVE
	CHECK VALVE
	BUTTERFLY VALVE – PLAN, END VIEW
	BUTTERFLY VALVE
HP	HIGH PERFORMANCE BUTTERFLY VALVE - PLAN, END VIEW
	3-WAY CONTROL VALVE; 2-WAY CONTROL VALVE
	COMB. BALANCING SHUT-OFF VALVE - - PLAN, END VIEW
	0.5-2" BALANCING VALVE
	2.5-12" BALANCING VALVE
	BALL VALVE
	STEAM TRAP
	3/4" DRAIN VALVE WITH HOSE CONNECTION
	SAFETY RELIEF VALVE
	Y-TYPE STRAINER WITH DRAIN VALVE
	Y STRAINER
	FLEXIBLE CONNECTOR
P	PRESSURE GAUGE
T	TEMPERATURE GAUGE
	UNION
	MANUAL AIR VENT – PLAN, ELEVATION
AAV	AUTOMATIC AIR VENT – PLAN, ELEVATION
	CONCENTRIC REDUCER - - PLAN, ELEVATION
	ECCENTRIC REDUCER - - PLAN, ELEVATION
	FLANGED CONNECTION
	NEEDLE VALVE IN GAUGE LINE
FM	FLOW METER
F	FLOW SWITCH
T	TEMPERATURE SENSOR
P	PRESSURE SWITCH
DPS	DIFFERENTIAL PRESSURE SWITCH
BTU	BTU METER

VAV SYMBOL LEGEND

VAV-6 100-300	VAV UNIT - 6" RD INLET SIZE MINIMUM AND MAXIMUM AIR FLOWS
VAV-5 110-110	VAV UNIT - 5" RD INLET SIZE CONSTANT MINIMUM AND MAXIMUM AIR FLOWS
VAVC-5 110-110	VAV UNIT W/CO2 CONTROL - 5" RD INLET SIZE CONSTANT MINIMUM AND MAXIMUM AIR FLOWS
VAV-6 110-202 C 110-188 H	VAV UNIT - 6" RD INLET SIZE MINIMUM AND MAXIMUM COOLING AIR FLOWS MINIMUM AND MAXIMUM HEATING AIR FLOWS
VAVC-12 400-1340 CC 400-616 H	VAV UNIT W/CO2 CONTROL - 12" RD INLET SIZE MIN. AND MAX. COOLING & CO2 AIR FLOWS MINIMUM AND MAXIMUM HEATING AIR FLOWS
VAV-5 150-60-200	VAV UNIT - 5" RD INLET SIZE MIN HEATING CFM - MIN COOLING CFM - MAX COOLING CFM



UNIT SIZE	INLET DUCT SIZE	SOUND TRAP	SUPPLY DUCT SIZE
VAV OR VAVC-5	5" RD	ST-1	12x12
VAV OR VAVC-6	6" RD	ST-1	12x12
VAV OR VAVC-8	8" RD	ST-2	15x15
VAV OR VAVC-10	10" RD	ST-3	21x15
VAV OR VAVC-12	12" RD	ST-4	27x15
VAV OR VAVC-14	14" RD	ST-5	36x18

VARIABLE AIR VOLUME AIR TERMINAL

UNIT SOUND TRAP AND DUCT SIZING
UNLESS OTHERWISE NOTED

HVAC ABBREVIATIONS

A.A.V.	AUTOMATIC AIR VENT
A.D.	ACCESS DOOR
A.F.	ABOVE FLOOR
B.E.	BELLMOUTH ENTRANCE
C.	COMMON
D.P.	DIFFUSER PLATE
E.A.	EXHAUST AIR
E.M.D.	END OF MAIN DRIP
F.D.	FIRE DAMPER
F.M.S.	FLOW MEASURING STATION
F.S.D.	FIRE/SMOKE DAMPER
I.B.	INLET BELL
I.S.	INLET SCREEN
M.A.V.	MANUAL AIR VENT
M.D.	MOTOR OPERATED DAMPER
M.E.	MOISTURE ELIMINATORS
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
O.A.	OUTSIDE AIR
P.A.	PRIMARY AIR
R.A.	RETURN AIR
S.A.	SUPPLY AIR
R.H.	RANGE HOOD
S.D.	SUCTION DIFFUSER
SM.D.	SMOKE DAMPER
T.A.V.	THERMOSTATIC AIR VENT
T.C.P.	TEMPERATURE CONTROL PANEL
V.B.	VACUUM BREAKER
V.D.	VOLUME DAMPER

NOTE:

THE SYMBOLS LISTED ON THIS SHEET MAY NOT ALL BE USED ON THIS SET OF CONTRACT DRAWINGS, HOWEVER, WHEREVER A SYMBOL IS USED THE ITEM SHALL BE FURNISHED AND INSTALLED.

PLUMBING DEMOLITION GENERAL NOTES:

1. DEMOLITION DRAWINGS DEPICT THE MAJOR COMPONENTS TO BE REMOVED, BUT DO NOT NECESSARILY REFLECT EXACT ROUTES, AND MAY NOT SHOW ALL SYSTEMS, ADDITIONS, AND REVISIONS THERETO. THE CONTRACTOR SHALL EXAMINE THE FACILITIES AND PROVIDE COMPLETE SYSTEMS DEMOLITION EXCEPTING THOSE SYSTEMS TO REMAIN IN SERVICE.
2. PRIOR TO BEGINNING DEMOLITION CONFIRM ALL PIPING BRANCHES FROM AREA TO BE RENOVATED INTO AREAS AND SYSTEMS NOT BEING RENOVATED. BRING TO ATTENTION OF ARCHITECT/ENGINEER OF SYSTEMS THAT MAY BE AFFECTED.
3. REMOVE ALL PIPING, HANGERS, SLEEVES, AND ANY ITEMS RELATED TO PLUMBING DEMOLITION. REMOVE ALL SUCH ITEMS WHETHER REMOVED BY THIS PROJECT OR PREVIOUSLY ABANDONED.
4. CAP AND RE-INSULATE ALL ACTIVE PIPING LEFT UN-INSULATED DURING THE PROJECT DEMOLITION.
5. IDENTIFY ALL PLUMBING AND PIPING ITEMS, ACCORDING TO THE PROJECT SPECIFICATIONS, AT EACH CAPPED LOCATION.
6. ALL EXISTING SYSTEMS MUST REMAIN IN OPERATION IN EXISTING AREAS OF THE BUILDING THAT REMAIN OCCUPIED DURING CONSTRUCTION.
7. PROVIDE ADEQUATE TEMPORARY PLUMBING CONNECTIONS TO MAINTAIN SERVICES FOR ALL SPACES AFFECTED WHEN PERMANENT SYSTEMS ARE NOT AVAILABLE OR CAPABLE.
8. PATCH AND RESTORE SURFACES OF WALLS, FLOORS, AND CEILINGS TO REMAIN WHERE AFFECTED BY DEMOLITION PER THE ARCHITECTURAL SPECIFICATIONS.
9. FIRE-STOP AND CAULK ALL OPENINGS LEFT FROM DEMOLITION AND WHERE REQUIRED BY THE NFPA.
10. COORDINATE ALL SHUT-DOWNS WITH OWNER PRIOR TO DEMOLITION.
11. CUT AND CAP ALL SANITARY TO BE REMOVED BACK TO BELOW FLOOR. SANITARY PIPING BELOW EXISTING FLOOR SLAB TO REMAIN MAY BE CUT AND CAPPED BACK AT MAIN AND ABANDONED IN PLACE. REFER TO ARCHITECTURAL PLANS.
12. COORDINATE WITH OWNER PRIOR TO CONSTRUCTION FOR DEMOLITION OR NEW WORK REQUIRED OUTSIDE DEFINED LIMITS OF RENOVATION. SEE ARCHITECTURAL. PATCH AND REPAIR TO MATCH EXISTING ALL AFFECTED FINISHES PER ARCHITECTURAL SPECIFICATIONS.

PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR REQUIRED CEILING HEIGHTS. PIPING IN ROOMS WITH SUSPENDED CEILINGS SHALL BE ABOVE CEILINGS UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL INSTALL FULL SIZE INDIRECT WASTES FROM EQUIPMENT REQUIRING SAME TO NEAREST FLOOR DRAIN, UNLESS OTHERWISE NOTED.
3. LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENT IN THE FIELD. DO NOT SCALE THE DRAWINGS.
4. ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
5. COORDINATE WITH MECHANICAL, FIRE PROTECTION, AND ELECTRICAL CONTRACTORS TO AVOID INTERFERENCES WITH PIPING, DUCTS, AND CONDUIT.
6. INSTALL PIPING AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
7. SEAL AIRTIGHT AROUND ALL PIPING PENETRATIONS THROUGH WALLS, FLOOR, AND ROOF.
8. VERIFY EXACT LOCATIONS OF ALL PLUMBING ROUGH-INS WITH ARCHITECT.
9. SLEEVES IN FLOORS SHALL EXTEND 1" ABOVE FINISHED FLOOR AND BE CAULKED FOR WATERTIGHT INSTALLATION. SEE SPECIFICATIONS.
10. SEE H.V.A.C. DRAWINGS FOR ADDITIONAL DETAILS APPLICABLE TO PLUMBING SYSTEM INSTALLATION.
11. SET EQUIPMENT PRESSURE REGULATING VALVE OUTLET PRESSURE WHERE NOTED ON DRAWINGS AT EQUIPMENT MANUFACTURER'S REQUIREMENTS.
12. COORDINATE WITH OWNER AND PROVIDE ADDITIONAL PIPING, DRAINS, VALVES, AND CONNECTIONS AS REQUIRED FOR OWNER FURNISHED EQUIPMENT. FINAL CONNECTIONS BY PLUMBING CONTRACTOR.
13. CAP ALL PIPING 6" ABOVE FLOOR SLAB UNLESS OTHERWISE NOTED FOR FUTURE CONNECTION.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH SITE AND STRUCTURAL. FIELD VERIFY ALL INVERTS PRIOR TO CONSTRUCTION.
15. MECHANICAL CONTRACTOR TO DESIGN AND INSTALL EXPANSION LOOPS IN DOMESTIC WATER IF REQUIRED BY MATERIAL USED.

FIRE PROTECTION GENERAL NOTES:

1. PIPING IN ROOMS WITH SUSPENDED CEILINGS SHALL BE ABOVE CEILING UNLESS OTHERWISE NOTED.
2. LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
3. ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
4. COORDINATE WITH HVAC, PLUMBING, AND ELECTRICAL EQUIPMENT TO AVOID INTERFERENCE WITH PIPING, DUCT AND CONDUIT.
5. INSTALL PIPING AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6. SEAL AIRTIGHT AROUND ALL PIPING PENETRATIONS THROUGH WALLS, FLOORS, AND ROOF.
7. CENTER SPRINKLER HEADS IN SUSPENDED ACOUSTICAL CEILING TILES. SEE DETAIL ON THIS DRAWING.
8. PROVIDE DRAINS AT LOW POINTS PER NFPA-13.
9. PITCH ALL SPRINKLER PIPING TO MAIN. IF PIPING CANNOT BE PITCHED TO MAIN, PROVIDE AUXILIARY DRAINS AT LOW POINTS.
10. PROVIDE GUARDS ON ALL HEADS INSTALLED 8'-0" OR LESS ABOVE THE FLOOR UNLESS DIRECTED OTHERWISE BY ENGINEER.
11. IN MECHANICAL ROOMS OR SIMILAR AREAS WHERE INTERFERENCE OCCURS WITH SPRINKLER DISCHARGE, PROVIDE ADDITIONAL SPRINKLER HEAD(S) AS REQUIRED PER NFPA-13.
12. INDIVIDUAL BRANCH LINE SIZE TO A SPRINKLER HEAD SHALL BE 1".
13. ALL PIPING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO WALLS, FLOORS, AND CEILINGS AND HORIZONTAL UNLESS SPECIFICALLY SHOWN OTHERWISE ON DRAWINGS OR UNABLE DUE TO INTERFERENCES.
14. PROVIDE SEISMIC BRACING FOR PIPING AND EQUIPMENT AS REQUIRED BY KENTUCKY BUILDING CODE. SEE SPECIFICATIONS.
15. DO NOT SUPPORT ANY PIPING FROM THE RAISED ACCESS FLOOR.

HVAC GENERAL NOTES:

1. DUCTWORK AND PIPING IN ROOMS WITH SUSPENDED CEILINGS SHALL BE ABOVE CEILING EXCEPT IN EQUIPMENT ROOMS.
2. INSTALL AIR VENTS AT HIGH POINTS IN PIPING AND DRAINS IN LOW POINTS.
3. LOCATIONS OF PIPING, DUCT, AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
4. ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
5. ALL INCREASERS AND REDUCERS IN PIPING SYSTEM ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL INCREASERS AND REDUCERS WHERE REQUIRED.
6. COORDINATE WITH PLUMBING, SHEET METAL, FIRE PROTECTION, AND ELECTRICAL CONTRACTORS TO AVOID INTERFERENCE WITH PIPING, DUCTS, AND CONDUIT.
7. INSTALL ALL PIPING, DUCTWORK, AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8. SEAL AIRTIGHT AROUND ALL DUCT AND PIPING PENETRATIONS THROUGH WALLS AND FLOORS.
9. SEAL ALL DUCTWORK WITH DUCT SEALANT AND/OR DUCT CEMENT IN ACCORDANCE WITH SPECIFICATIONS SECTION "METAL DUCTWORK."
10. DIMENSIONS FOR DUCTS ARE INSIDE DIMENSIONS.
11. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS IN CEILINGS.
12. DO NOT RUN ANY PIPING OR DUCTWORK OVER ANY ELECTRICAL OR ELEVATOR EQUIPMENT.
13. INSTALL ACCESS DOOR IN DUCT ADJACENT TO EACH MOTOR OPERATED DAMPER.
14. ROLL FITTINGS IN ROUND DUCT AS REQUIRED FOR PROPER CONNECTIONS TO BRANCH DUCTS.
15. WHERE SIZE OF DUCT PENETRATING A FIRE WALL OR PARTITION IS LESS THAN THE MINIMUM SIZE OF FACTORY-MADE FIRE DAMPER OR DUCT ACCESS DOOR, PROVIDE THE MINIMUM SIZE FACTORY MADE DAMPER AND/OR ACCESS DOOR AVAILABLE. INCREASE DUCT SIZE AS REQUIRED TO ACCOMMODATE TRANSITIONS UPSTREAM AND DOWN STREAM OF SIZE INCREASE.
16. ALL TRANSITIONS IN DUCTWORK ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL TRANSITIONS WHERE REQUIRED.
17. FIELD VERIFY EXISTING CONDITIONS AND ALL REQUIRED MEASUREMENTS BEFORE FABRICATING ANY PIPING, DUCTWORK, OR EQUIPMENT.
18. INSTALL CONTROL DEVICES (SUCH AS SENSORS, SENSING WELLS, VALVES, DAMPERS, ETC.), FURNISHED BY CONTROLS SUPPLIER, IN DUCT AND PIPING SYSTEMS.
19. PROVIDE SEISMIC BRACING FOR PIPING, DUCTWORK, AND EQUIPMENT AS REQUIRED BY KENTUCKY BUILDING CODE. SEE SPECIFICATIONS.

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

REVISIONS

#	DATE	DESCRIPTION

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MECHANICAL LEGEND AND GENERAL NOTES
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

Project No:	2148
Drawn By:	JS
Rev'd By:	JS

SHEET RELEASE

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MECHANICAL LEGEND AND GENERAL NOTES

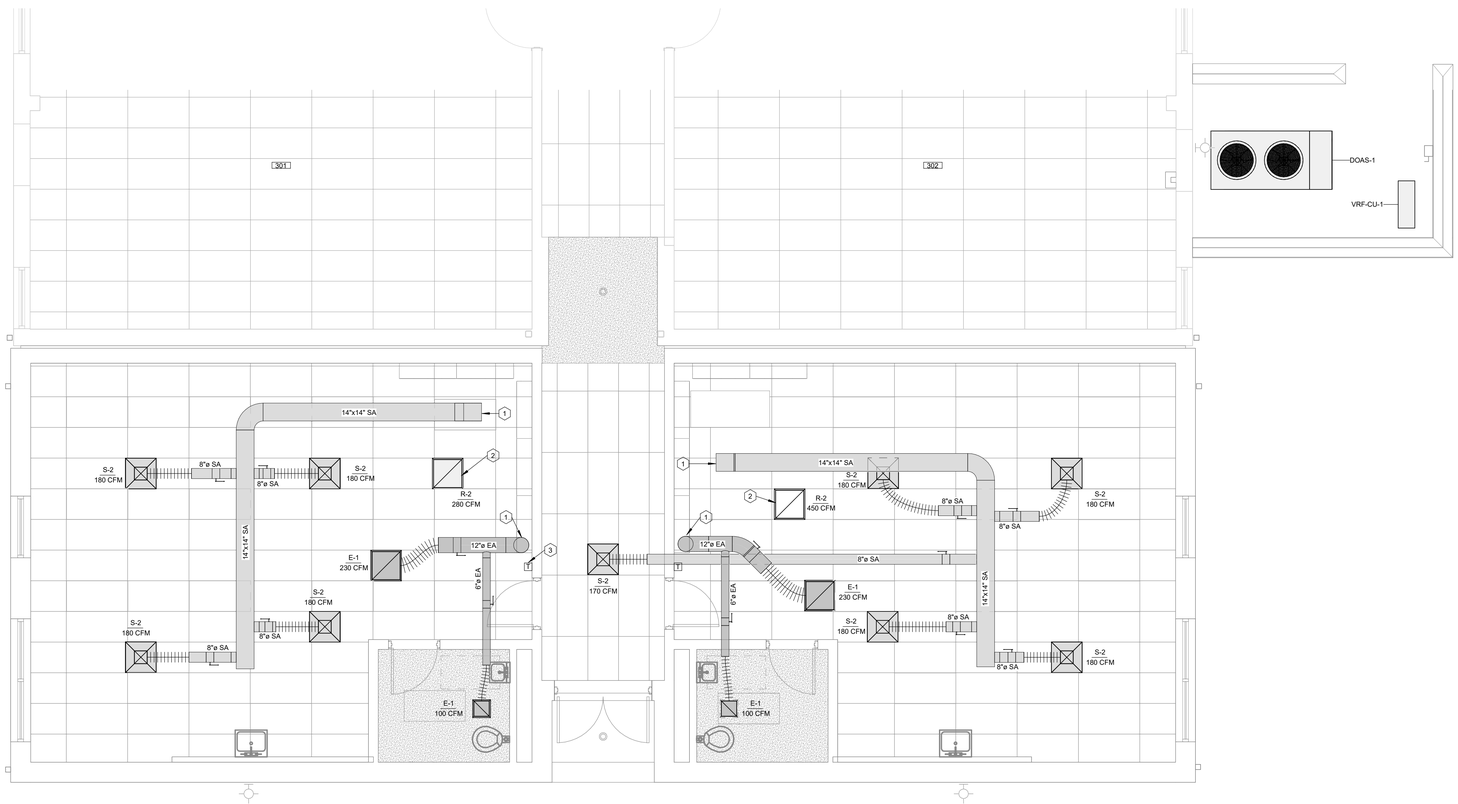
DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. DUCT UP TO MEZZANINE LEVEL. SEE MEZZANINE PLAN FOR CONTINUATION.
2. RETURN GRILLE DUCTED FROM ABOVE. SEE MEZZANINE PLAN FOR CONTINUATION.
3. PRIMARY THERMOSTAT WITH SYSTEM MODE SELECTION.



HVAC PLAN - AREA A - BASE BID

SCALE: 1/4" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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HVAC PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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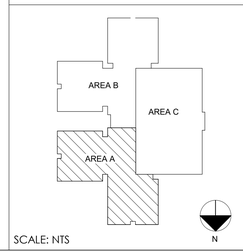
HVAC PLAN - AREA A

DATE ISSUED:
MARCH 23, 2022

KEY PLAN



SCALE: NTS

NOTE:

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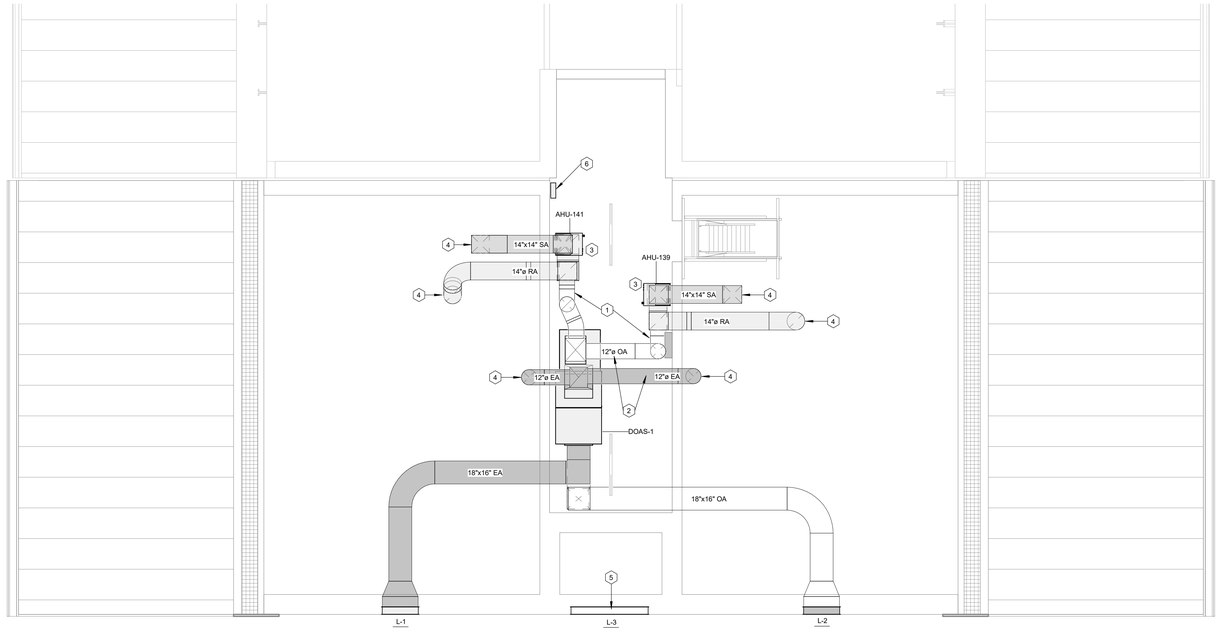
REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. 12" OA CONNECTION TO HEAT PUMP RETURN DUCT. PROVIDE BALANCING DAMPER IN OA DUCT AND BALANCE TO 430 CFM.
2. KEEP DUCTWORK AND PIPING HIGH ABOVE MEZZANINE AREA TO ALLOW PASSAGE OF PEOPLE AND EQUIPMENT.
3. MOUNT UPFLOW HEAT PUMPS ON STEEL STANDS TO ROUTE RETURN DUCT UNDER UNIT.
4. DUCT DOWN TO 1ST FLOOR ABOVE-CEILING SPACE. SEE FIRST FLOOR PLAN FOR CONTINUATION.
5. SEAL BACKSIDE OF LOUVER COMPLETE WITH SHEET METAL AND INSULATE.
6. VRF HEAD-END CONTROLLER.



HVAC PLAN - AREA A - MEZZANINE

SCALE: 1/4" = 1'-0"

NOTE:

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HVAC PLAN - AREA A - MEZZANINE

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION

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Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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HVAC PLAN - AREA A - MEZZANINE

DATE ISSUED:
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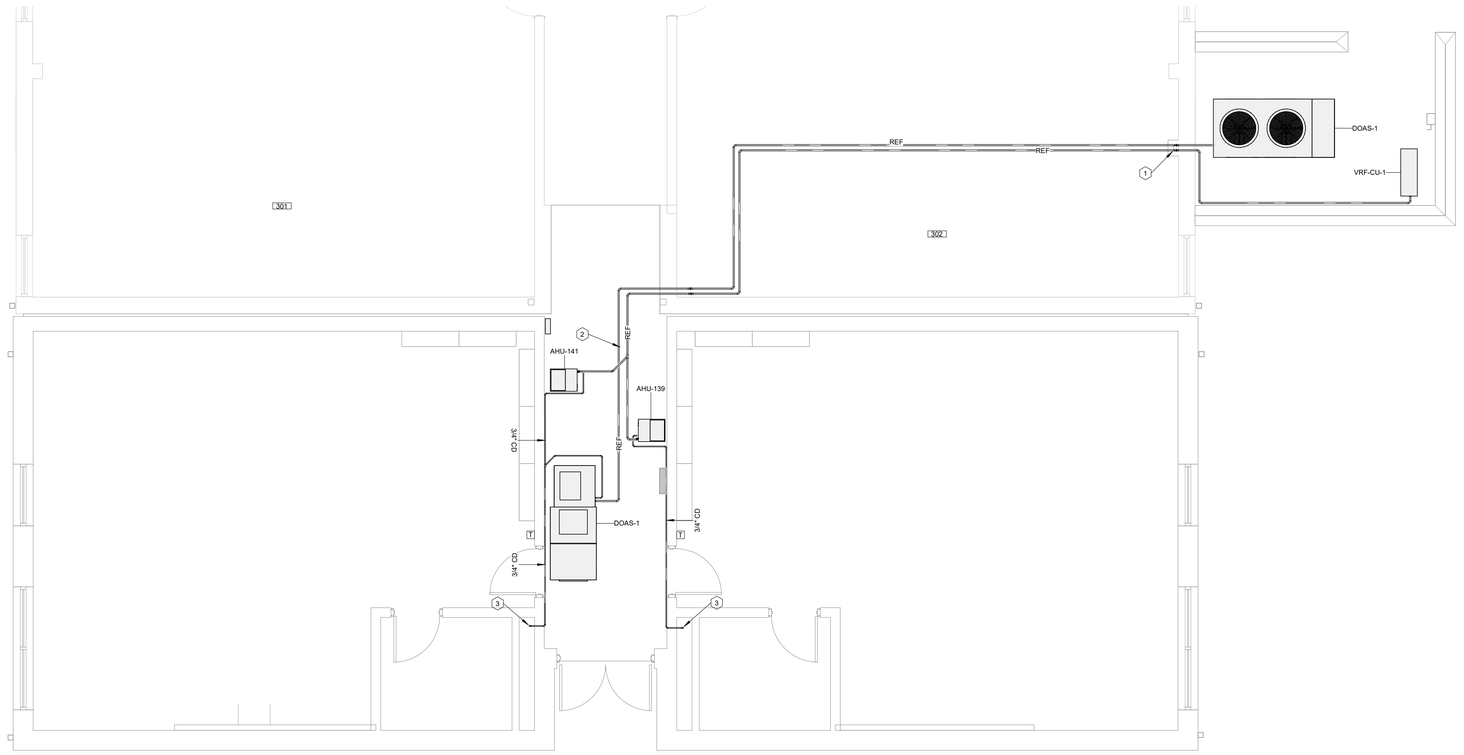
#	DATE	DESCRIPTION

CODED NOTES:

1. REFRIGERANT PIPING DOWN IN NEW CHASE FROM ABOVE-CEILING TO GRADE LEVEL.
2. ROUTE ALL REFRIGERANT PIPING ALONG WALL OR HIGH ABOVE WALKWAY TO ALLOW PASSAGE OF PEOPLE AND EQUIPMENT.
3. DROP CONDENSATE DOWN AND CONNECT TO LAVATORY DRAIN ABOVE THE P-TRAP. INSULATE TRAP AND DRAIN PIPING PER SPECIFICATIONS.



HVAC PIPING PLAN - AREA A - BASE BID

SCALE: 1/4" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

NOTE:

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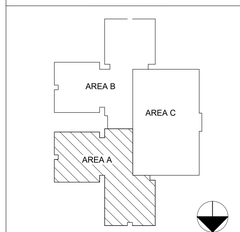
KEY PLAN



SCALE: NTS

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HVAC PIPING PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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BG# 22-207

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Rev'd By:	JS

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HVAC PIPING PLAN - AREA A

DATE ISSUED:
MARCH 23, 2022

REVISIONS		
#	DATE	DESCRIPTION

DOAS SEQUENCE OF OPERATIONS:

THE DOAS SHALL OPERATE AND BE CONTROLLED VIA ITS ONBOARD, FACTORY CONTROLLER. IT SHALL OPERATE ON A USER ADJUSTABLE OCCUPANCY SCHEDULE.

ONCE THE UNIT IS COMMANDED INTO OCCUPIED MODE IT SHALL OPEN BOTH ITS OUTSIDE AIR DAMPER AND EXHAUST AIR DAMPER. ONCE BOTH DAMPERS ARE OPEN IT SHALL START BOTH THE SUPPLY AIR FAN AND EXHAUST AIR FAN. THE UNIT SHALL CONTROL ITS COMPRESSORS, ENERGY WHEEL, AND REHEAT COIL IN ORDER TO MAINTAIN A NEUTRAL DISCHARGE AIR OF 70 DEG F AND MAXIMUM 55% RH.

ONCE THE CALL FOR OCCUPANCY HAS ENDED, THE UNIT SHALL STOP BOTH FANS AND CLOSE BOTH DAMPERS.

THE UNIT SHALL BE INTEGRATED INTO THE EXISTING AUTOMATED LOGIC BAS VIA BACNET IP. THE REQUIRD POINTS SHALL BE PULLED IN AND GRAPHICS BUILT ON THE EXISTING SERVER. SEE POINTS LIST FOR REQUIRED POINTS.

THE OPERATOR SHALL BE ABLE TO REMOTELY ADJUST SET POINTS AND SCHEDULES AND VIEW ALARMS.

VRF SEQUENCE OF OPERATIONS:

THE VRF SYSTEM SHALL OPERATE VIA MANUFACTURER STANDARD WALL THERMOSTATS. THE MODE (HEAT OR COOL) SHALL BE DETERMINED BY THE MASTER THERMOSTAT. SEE PLANS FOR LOCATION.

THE SYSTEM SHALL HAVE A HEAD-END CONTROLLER CAPABLE OF INTEGRATING INTO THE EXISTING AUTOMATED LOGIC BAS VIA BACNET IP. THE REQUIRED POINTS SHALL BE PULLED IN AND GRAPHICS BUILT ON THE EXISTING SERVER. SEE POINTS LIST FOR REQUIRED POINTS.

THE OPERATOR SHALL BE ABLE TO REMOTELY ADJUST SET POINTS AND SCHEDULES AND VIEW ALARMS.

HVAC CONTROLS

I/O LIST			
Type	Description	Trend	Alarm
BACnet	VRF AHU Fan Status	x	x
BACnet	VRF AHU Fan Speed	x	
BACnet	VRF AHU Mode	x	
BACnet	Zone Temperature	x	x
BACnet	Zone Temperature Setpoint	x	
BACnet	VRF Condensing Unit Compressor Status	x	x
BACnet	VRF Condensing Unit Compressor Percentage	x	
BACnet	VRF AHU Alarm	x	x
BACnet	VRF Condensing Unit Alarm	x	x
BACnet	DOAS Enable/Disable Status	x	
BACnet	DOAS Occupancy Schedule	x	
BACnet	DOAS Discharge Air Temperature	x	x
BACnet	DOAS Discharge Air Relative Humidity (or Dewpoint)	x	x
BACnet	DOAS Outdoor Air Temperature	x	
BACnet	DOAS Return Air Temperature	x	
BACnet	DOAS Mode	x	
BACnet	DOAS Compressor Status	x	x
BACnet	DOAS Energy Wheel Status	x	x
BACnet	DOAS Alarm	x	x

POINTS LIST

Note :
Power wiring, breaker size, and disconnects should follow local code and NEC.
Multi-frame outdoor units require a separate power connection for each frame.
Refer to the most up-to-date submittal sheets for applicable electrical data.
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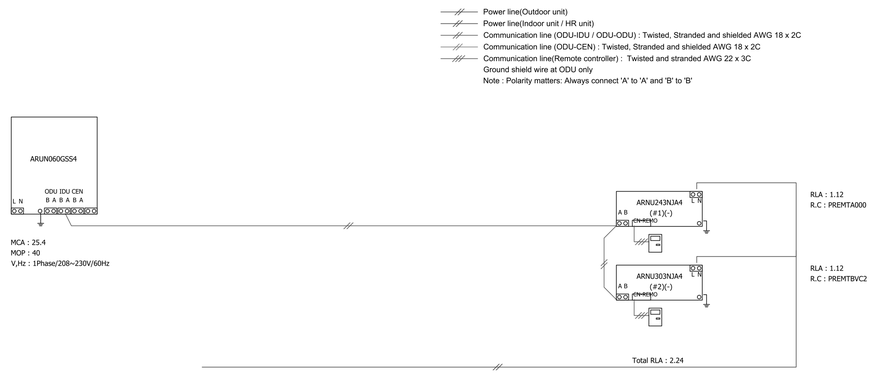
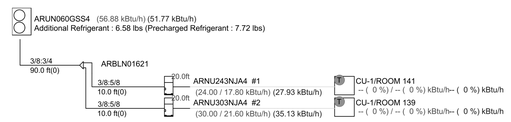


BASE BID VRF WIRING DIAGRAM

LAYOUT IS DIAGRAMATIC AND MANUFACTURER-SPECIFIC. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS



BASE BID VRF PIPING DIAGRAM

LAYOUT IS DIAGRAMATIC AND MANUFACTURER-SPECIFIC. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS

Note :
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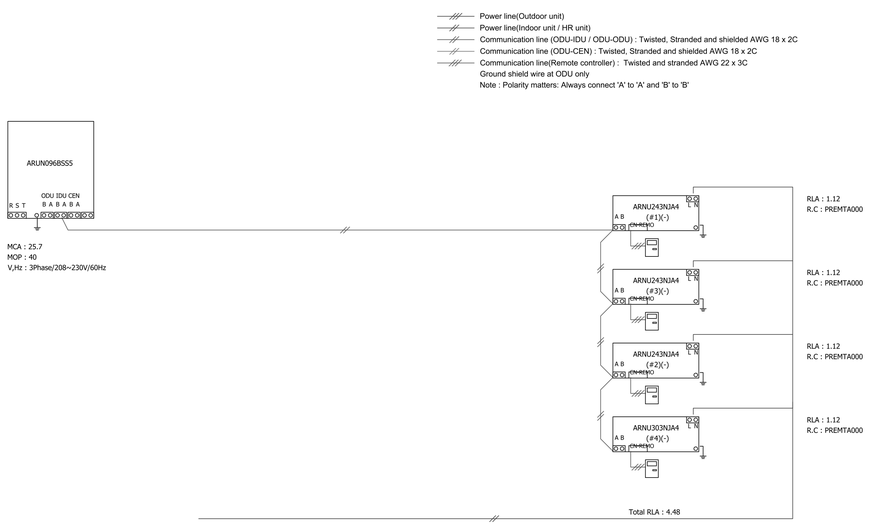
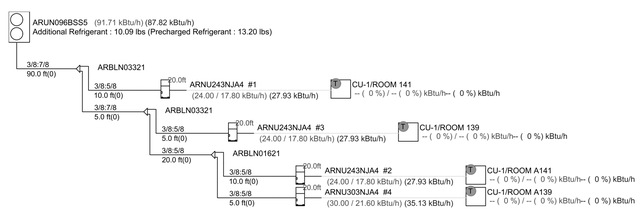


ALTERNATE #4 AND #5 VRF WIRING DIAGRAM

LAYOUT IS DIAGRAMATIC AND MANUFACTURER-SPECIFIC. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS



ALTERNATE #4 AND #5 VRF PIPING DIAGRAM

LAYOUT IS DIAGRAMATIC AND MANUFACTURER-SPECIFIC. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS

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VRF DETAILS & CONTROLS

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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BG# 22-207

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VRF DETAILS & CONTROLS

DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

DEDICATED OUTDOOR AIR SYSTEMS

SYMBOL	MANUFACTURER	MODEL	SUPPLY FAN CFM	SUPPLY FAN ESP (IN. WC.)	EXHAUST FAN CFM	EXHAUST FAN ESP (IN. WC.)	TOTAL ENERGY WHEEL COOLING ENERGY RECOVERED (MBH)	TOTAL ENERGY WHEEL HEATING ENERGY RECOVERED (MBH)	COOLING CAPACITY *2 TOTAL CAP. (MBH)	COOLING CAPACITY *2 SENSIBLE CAP. (MBH)	HEATING CAPACITY *3 TOTAL CAP. (MBH)	INDOOR DIMENSIONS (LWXH)	INSIDE UNIT ELECTRICAL VOLT/PH	INSIDE UNIT ELECTRICAL MCA	INSIDE UNIT ELECTRICAL MOP	OUTSIDE UNIT ELECTRICAL VOLT/PH	OUTSIDE UNIT ELECTRICAL MCA	OUTSIDE UNIT ELECTRICAL MOP	REMARKS
DOAS-1	AAON	V3	1720	0.5	1560	0.5	44.39	134.44	89.1	53.2	84.3	90" x 36" x 77"	230 / 3	78	80	230 / 3	39	50	ALL

REMARKS:

1. SPLIT SYSTEM DEDICATED OUTDOOR AIR SYSTEM WITH SUPPLY FAN, EXHAUST FAN, ENERGY RECOVERY WHEEL, DX COOLING, HEAT PUMP HEATING, HOT GAS REHEAT, AUXILIARY ELECTRIC HEAT, AND OUTDOOR CONDENSING UNIT SIZED TO PROVIDE 72 DEG F, 50% RH AIR.
2. COOLING CAPACITY BASED ON 95 DEG F DB AND 78 DEG F WB AMBIENT AND ENTERING AIR.
3. HEATING CAPACITY BASED ON 47 DEG DB AMBIENT AND ENTERING AIR TEMPERATURE.
4. 22.5 KW ELECTRIC AUXILIARY HEAT.
5. 28 MBH HOT GAS REHEAT WITH LEAVING AIR TEMP OF 70 DEG.
6. SINGLE POINT POWER CONNECTION TO INDOOR UNIT WITH FACTORY DISCONNECT.
7. SINGLE POINT POWER CONNECTION TO OUTDOOR UNIT WITH FACTORY DISCONNECT.
8. FILTERS UPSTREAM OF ENERGY WHEEL IN BOTH THE SUPPLY AND EXHAUST AIR STREAM. 2" THICK, 30% EFFICIENT.
9. PROVIDE UNIT MOUNTED CONTROLLER WITH BACNET IP INTEGRATION CAPABILITIES. SEE SPECIFICATIONS.
10. FOR BASE BID AND ALTERNATE #4 PROVIDE WITH HOT GAS BYPASS FOR CAPACITY CONTROL FOR LOWER AIRFLOWS AS SHOWN ON FLOORPLAN.

VRF INDOOR UNITS - BASE BID

SYMBOL	MANUFACTURER	MODEL	NOMINAL TONNAGE	TYPE	CAPACITIES (MBH) TOTAL COOLING	CAPACITIES (MBH) SENSIBLE COOLING	CAPACITIES (MBH) HEATING	AIRFLOW (CFM)	DIMENSIONS W	DIMENSIONS H	DIMENSIONS D	ELECTRICAL VOLTAGE / PHASE	ELECTRICAL RLA	REMARKS
AHU-139	LG	ARNU303NJA4	2.5	VRF VERTICAL AIR HANDLING UNIT	30.0	21.6	34.0	880	18"	49"	21"	208 / 1	1.12	ALL
AHU-141	LG	ARNU243NJA4	2.0	VRF VERTICAL AIR HANDLING UNIT	24.0	17.8	27.0	710	18"	49"	21"	208 / 1	1.12	ALL

REMARKS:

1. COOLING CAPACITY BASED ON 78 DEG F DB RETURN AIR. HEATING CAPACITY BASED ON 68 DEG F RETURN AIR.
2. MOUNT UNITS ON STANDS TO BRING RETURN AIR DUCT OFF THE BOTTOM. PROVIDE NEOPRENE PADS FOR VIBRATION ISOLATION.
3. MANUFACTURER STANDARD THERMOSTATS. SEE FLOOR PLAN FOR PRIMARY THERMOSTAT TO CONTROL SYSTEM MODE.
4. REFRIGERANT SIZES AND ROUTING IS SPECIFIC TO MANUFACTURER. LAYOUT ON DRAWINGS IS DIAGRAMATIC AND INTENDED TO SHOW SYSTEM ZONING.

VRF INDOOR UNITS - ALTERNATE #4 AND #5

SYMBOL	MANUFACTURER	MODEL	NOMINAL TONNAGE	TYPE	CAPACITIES (MBH) TOTAL COOLING	CAPACITIES (MBH) SENSIBLE COOLING	CAPACITIES (MBH) HEATING	AIRFLOW (CFM)	DIMENSIONS W	DIMENSIONS H	DIMENSIONS D	ELECTRICAL VOLTAGE / PHASE	ELECTRICAL MCA / MOP	REMARKS
AHU-139	LG	ARNU243NJA4	2.0	VRF VERTICAL AIR HANDLING UNIT	24.0	17.8	27.0	710	18"	49"	21"	208 / 1	1.12	ALL
AHU-141	LG	ARNU243NJA4	2.0	VRF VERTICAL AIR HANDLING UNIT	24.0	17.8	27.0	710	18"	49"	21"	208 / 1	1.12	ALL
AHU-A139	LG	ARNU303NJA4	2.5	VRF VERTICAL AIR HANDLING UNIT	30.0	21.6	34.0	880	18"	49"	21"	208 / 1	1.12	ALL
AHU-A141	LG	ARNU243NJA4	2.0	VRF VERTICAL AIR HANDLING UNIT	24.0	17.8	27.0	710	18"	49"	21"	208 / 1	1.12	ALL

REMARKS:

1. COOLING CAPACITY BASED ON 78 DEG F DB RETURN AIR. HEATING CAPACITY BASED ON 68 DEG F RETURN AIR.
2. MOUNT UNITS ON STANDS TO BRING RETURN AIR DUCT OFF THE BOTTOM. PROVIDE NEOPRENE PADS FOR VIBRATION ISOLATION.
3. MANUFACTURER STANDARD THERMOSTATS. SEE FLOOR PLAN FOR PRIMARY THERMOSTAT TO CONTROL SYSTEM MODE.
4. REFRIGERANT SIZES AND ROUTING IS SPECIFIC TO MANUFACTURER. LAYOUT ON DRAWINGS IS DIAGRAMATIC AND INTENDED TO SHOW SYSTEM ZONING.

VRF CONDENSING UNITS

SYMBOL	MANUFACTURER	MODEL	NOMINAL TONNAGE	TYPE	CAPACITIES (MBH) COOLING	CAPACITIES (MBH) HEATING	REFRIGERANT	COOLING IEER / HEATING COP	ELECTRICAL VOLTAGE / PHASE	ELECTRICAL MCA / MOP	REMARKS
VRF-CU-1	LG	ARUN060GSS4	5	AIR-COOLED VRF HEAT PUMP CONDENSING UNIT	60	64	410A	18.9 / 10.9	208 / 1	25 / 40	ALL

REMARKS:

1. PROVIDE SYSTEM CONTROLLER WITH BACNET IP INTEGRATION CAPABILITIES. SEE SPECIFICATION.
2. COOLING CAPACITIES BASED ON 95 DEG DB AND 78 DEG WB AMBIENT CONDITIONS.
3. HEATING CAPACITIES BASED ON 0 DEG AMBIENT CONDITIONS.

VRF CONDENSING UNITS - ALTERNATES #4 AND #5

SYMBOL	MANUFACTURER	MODEL	NOMINAL TONNAGE	TYPE	CAPACITIES (MBH) COOLING	CAPACITIES (MBH) HEATING	REFRIGERANT	COOLING IEER / HEATING COP	ELECTRICAL VOLTAGE / PHASE	ELECTRICAL MCA / MOP	REMARKS
VRF-CU-1	LG	ARUN096BSS5	8	AIR-COOLED VRF HEAT PUMP CONDENSING UNIT	96	108	410A	21.1 / 3.3	208 / 3	26 / 40	ALL

REMARKS:

1. PROVIDE SYSTEM CONTROLLER WITH BACNET IP INTEGRATION CAPABILITIES. SEE SPECIFICATION.
2. COOLING CAPACITIES BASED ON 95 DEG DB AND 78 DEG WB AMBIENT CONDITIONS.
3. HEATING CAPACITIES BASED ON 0 DEG AMBIENT CONDITIONS.

GRILLES, REGISTERS AND DIFFUSERS

SYMBOL	MANUFACTURER	MODEL	PANEL SIZE	DIFFUSER SIZE	DIFFUSER INLET	DESIGN CFM	P.D. (IN. W.G.)	THROW (FT)	DIRECTION OF THROW	NC	MOUNTING	REMARKS
S-1	PRICE	620	14"x10"	12"x8"	12"x8"	240	0.1	9-13-22	DOUBLE DEFLECTION	--	SEE PLANS	1, 4
S-2	PRICE	ASPD	24"x24"	24"x24"	6" RD	200	0.07	3-4-7	4-WAY	23	SEE PLANS	1, 2
E-1	PRICE	630	14"x14"	12"x12"	12"x12"	455	0.07	---	---	24	SURFACE	1, 3
R-2	PRICE	630	24"x24"	22"x22"	22"x22"	1500	0.07	---	---	21	SEE PLANS	1, 3

REMARKS:

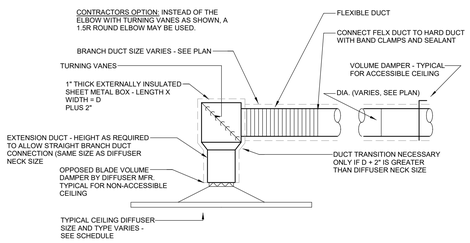
1. COLOR SELECTION BY ARCHITECT.
2. ALUMINUM SQUARE PLAQUE DIFFUSER.
3. ALUMINUM LOUVERED RETURN GRILLE. 3/4" BLADE SPACING, 45 DEG BLADE DEFLECTION.
4. ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE WITH 3/4" BLADE SPACING AT 22.5 DEG BLADES.

LOUVERS

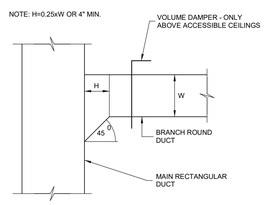
SYMBOL	MANUFACTURER	MODEL	SIZE WIDTH	SIZE HEIGHT	CFM	FREE AREA SQ. FT.	P.D. IN. W.C.	SCREEN TYPE	REMARKS
L-1	GREENHECK	ESD-635	28"	28"	1520	2.7	0.04	BIRD	ALL
L-2	GREENHECK	ESD-635	28"	28"	1720	2.7	0.06	BIRD	ALL
L-3	GREENHECK	ESD-635	60"	72"	---	---	---	BIRD	ALL

REMARKS:

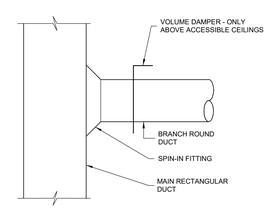
1. 6" DRAINABLE BLADE LOUVER
2. AMCA-500-L RATED FOR AIR AND WATER
3. COLOR SELECTION BY ARCHITECT



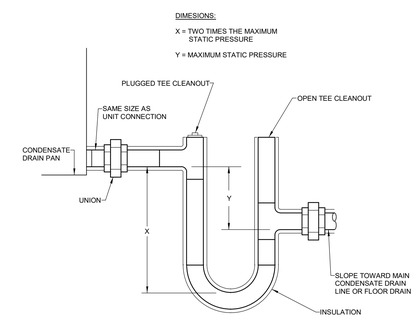
CONNECTION TO S.A. CEILING DIFFUSER
NO SCALE



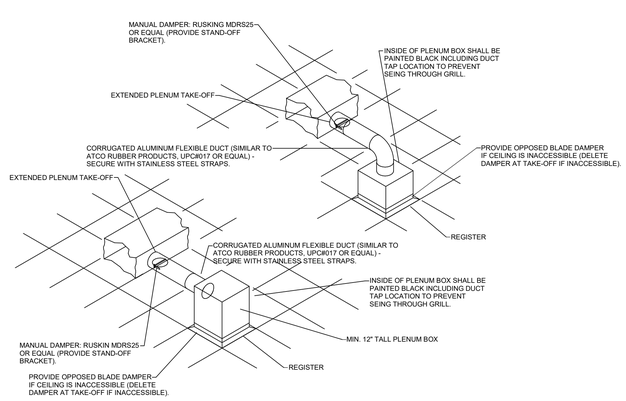
TYPICAL LOW PRESSURE RECTANGULAR DUCT TAKE-OFF
NO SCALE



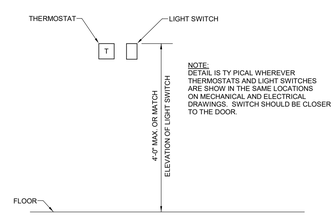
TYPICAL LOW PRESSURE ROUND DUCT TAKE-OFF
NO SCALE



CONDENSATE DRAIN TRAP DETAIL
NO SCALE



CONNECTION TO EXHAUST/RETURN AIR INLET
NO SCALE



THERMOSTAT MOUNTING DETAIL
NO SCALE

NOTE:

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

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859.271.3246

HVAC SCHEDULES
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES
FOR:
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

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Structural Engineer:
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Construction Manager:
Codell Construction Co.
P.O. Box 17
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	JS
Rev'd By:	JS

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HVAC SCHEDULES

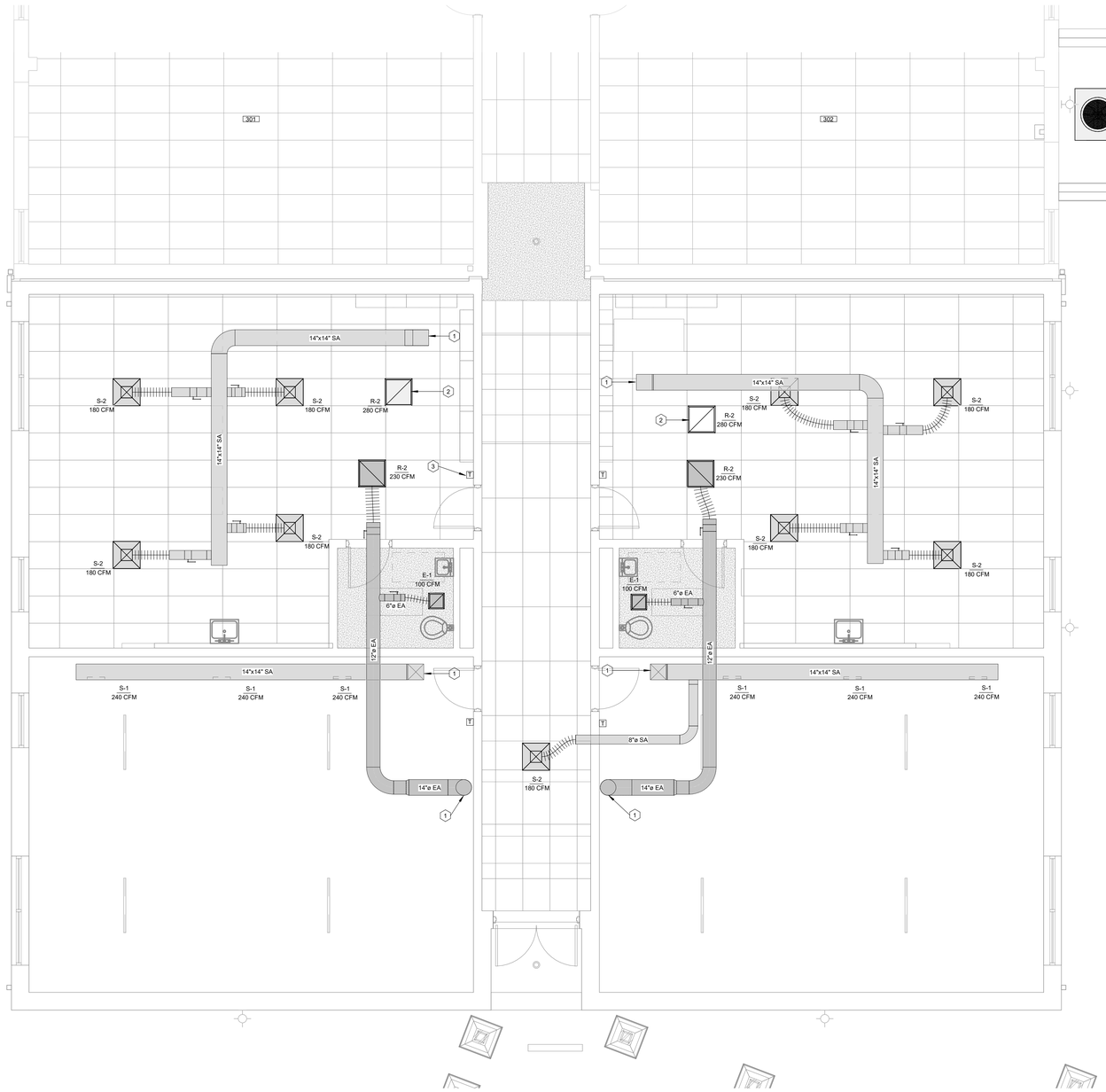
DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. DUCT UP TO MEZZANINE LEVEL. SEE MEZZANINE PLAN FOR CONTINUATION.
2. RETURN GRILLE DUCTED FROM ABOVE. SEE MEZZANINE PLAN FOR CONTINUATION.
3. PRIMARY THERMOSTAT WITH SYSTEM MODE SELECTION.



HVAC PLAN - AREA A - ALTERNATE #4

SCALE: 1/4" = 1'-0"

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
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403	RR
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408A	RR
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414A	RESTROOM
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502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
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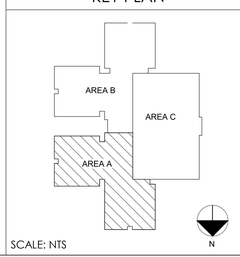
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

KEY PLAN



SCALE: NTS

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HVAC PLAN - AREA A - ALTERNATE #4

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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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HVAC PLAN - AREA A - ALTERNATE #4

DATE ISSUED:
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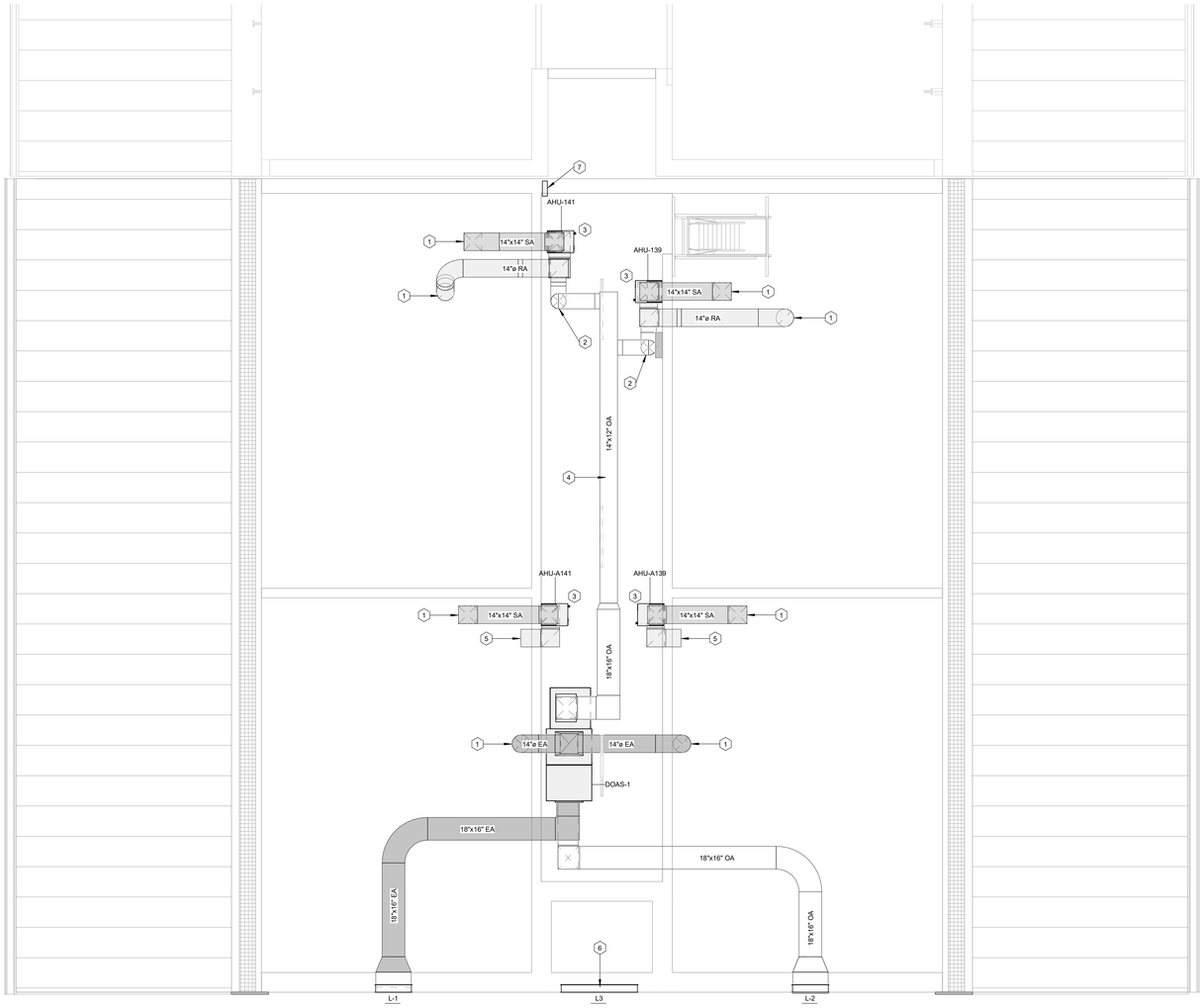
REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. DUCT DOWN TO 1ST FLOOR ABOVE-CEILING SPACE. SEE FIRST FLOOR PLAN FOR CONTINUATION.
2. 12" OA CONNECTION TO HEAT PUMP RETURN DUCT. PROVIDE BALANCING DAMPER IN OA DUCT AND BALANCE TO 430 CFM.
3. MOUNT UPFLOW HEAT PUMPS ON STEEL STANDS TO ROUTE RETURN DUCT UNDER UNIT.
4. KEEP DUCTWORK AND PIPING HIGH ABOVE MEZZANINE AREA TO ALLOW PASSAGE OF PEOPLE AND EQUIPMENT.
5. OPEN-ENDED RETURN DUCT.
6. SEAL BACKSIDE OF LOUVER COMPLETE WITH SHEET METAL AND INSULATE.
7. VRF HEAD-END CONTROLLER.



HVAC PLAN - AREA A - MEZZANINE ALTERNATE #4

SCALE: 1/4" = 1'-0"

NOTE:

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HVAC PLAN - AREA A - MEZZANINE - ALTERNATE # 4

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HVAC PLAN - AREA A - MEZZANINE - ALTERNATE #4

DATE ISSUED:
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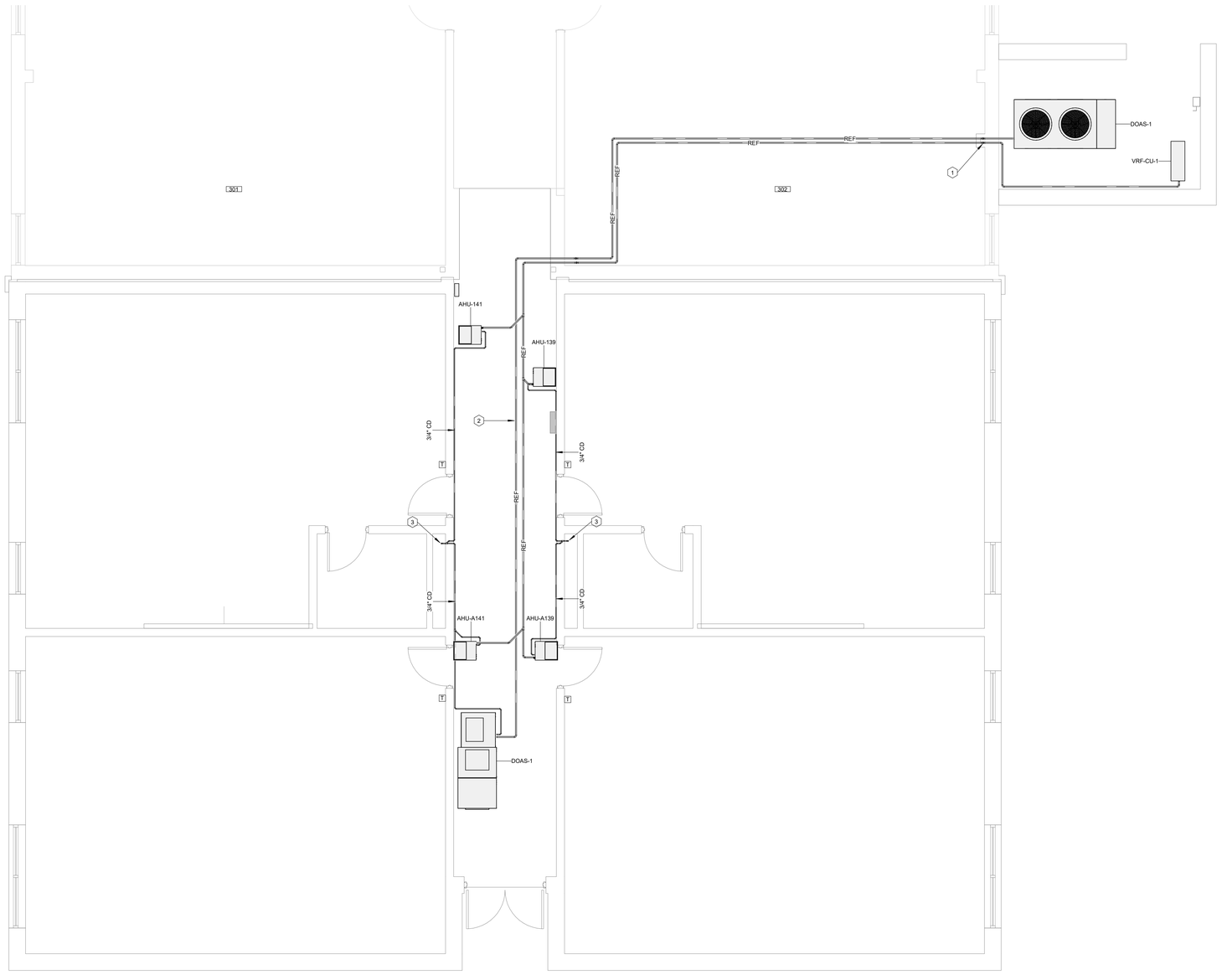
REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. REFRIGERANT PIPING DOWN IN NEW CHASE FROM ABOVE-CEILING TO GRADE LEVEL.
2. ROUTE ALL REFRIGERANT PIPING ALONG WALL OR HIGH ABOVE WALKWAY TO ALLOW PASSAGE OF PEOPLE AND EQUIPMENT.
3. DROP CONDENSATE DOWN AND CONNECT TO LAVATORY DRAIN ABOVE THE P-TRAP. INSULATE TRAP AND DRAIN PIPING PER SPECIFICATIONS.



HVAC PIPING PLAN - AREA A - ALTERNATE #4

SCALE: 1/4" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
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500C	STOR.
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503	LAUNDRY
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504A	TOILET
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506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
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510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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HVAC PIPING PLAN - AREA A - ALTERNATE #4

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

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BG# 22-207

Project No:	2148
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HVAC PIPING PLAN - AREA A - ALTERNATE #4

DATE ISSUED:
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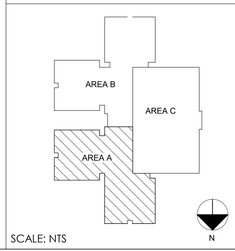
KEY PLAN



SCALE: NTS

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REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. DUCT UP TO MEZZANINE LEVEL. SEE MEZZANINE PLAN FOR CONTINUATION.
2. RETURN GRILLE DUCTED FROM ABOVE. SEE MEZZANINE PLAN FOR CONTINUATION.
3. PRIMARY THERMOSTAT WITH SYSTEM MODE SELECTION.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
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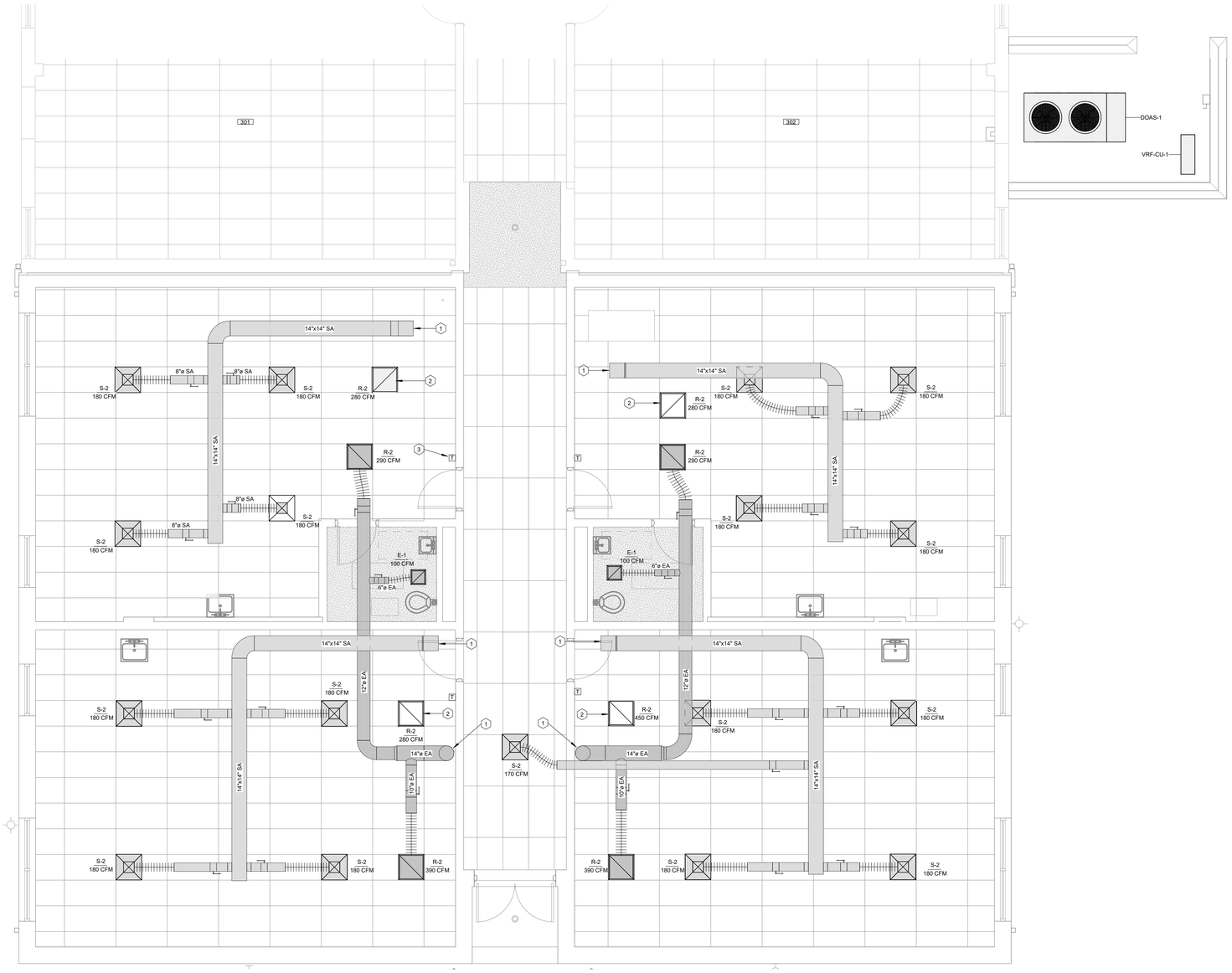
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR



HVAC PLAN - AREA A - ALTERNATE #5

SCALE: 1/4" = 1'-0"

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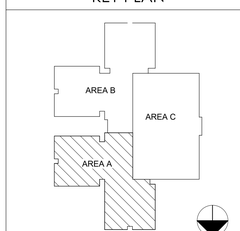
KEY PLAN



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HVAC PLAN - AREA A - ALTERNATE #5

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HVAC PLAN - AREA A - ALTERNATE #5

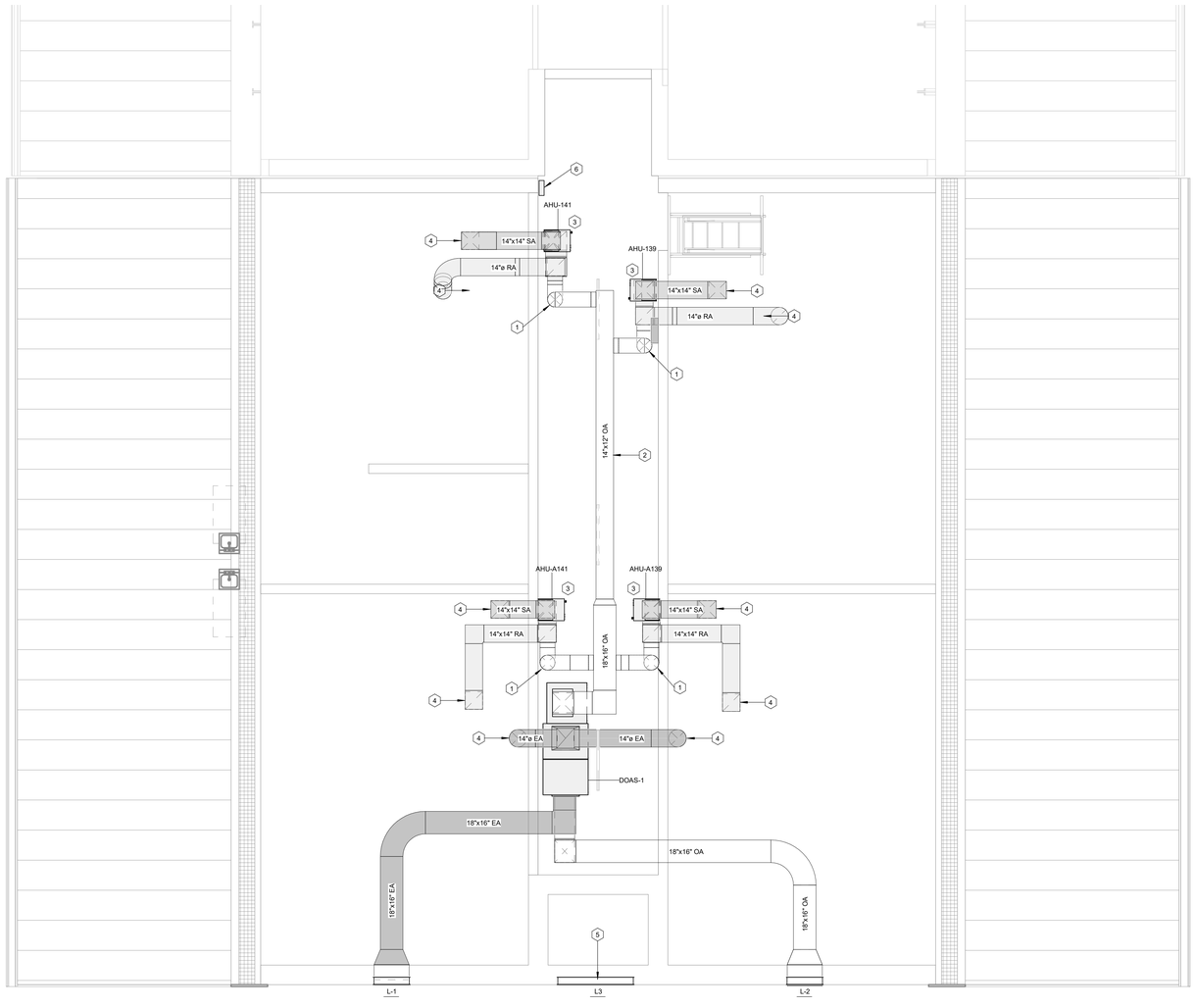
DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. 12" OA CONNECTION TO HEAT PUMP RETURN DUCT. PROVIDE BALANCING DAMPER IN OA DUCT AND BALANCE TO 430 CFM.
2. KEEP DUCTWORK AND PIPING HIGH ABOVE MEZZANINE AREA TO ALLOW PASSAGE OF PEOPLE AND EQUIPMENT.
3. MOUNT UPFLOW HEAT PUMPS ON STEEL STANDS TO ROUTE RETURN DUCT UNDER UNIT.
4. DUCT DOWN TO 1ST FLOOR ABOVE-CEILING SPACE. SEE FIRST FLOOR PLAN FOR CONTINUATION.
5. SEAL BACKSIDE OF LOUVER COMPLETE WITH SHEET METAL AND INSULATE.
6. VRF HEAD-END CONTROLLER.



HVAC PLAN - AREA A - MEZZANINE ALTERNATE #5

SCALE: 1/4" = 1'-0"

NOTE:

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

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STAGGS & FISHER CONSULTING ENGINEERS, INC.
3264 Lochness Drive
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859.271.3246

HVAC PLAN - AREA A - MEZZANINE - ALTERNATE #5

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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M.E.&P Engineer:
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Codell Construction Co.
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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HVAC PLAN - AREA A - MEZZANINE - ALTERNATE #5

DATE ISSUED:
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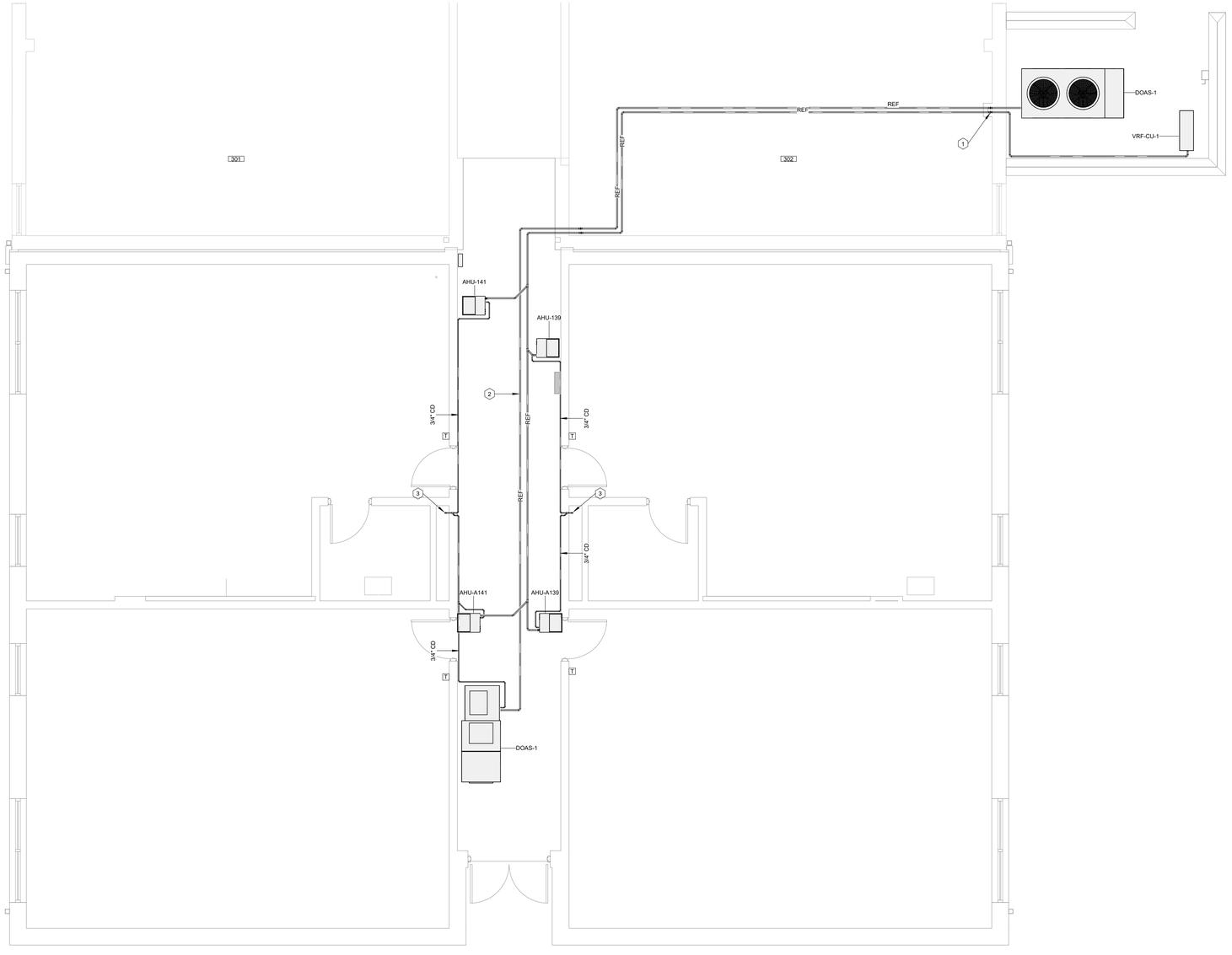
REVISIONS

#	DATE	DESCRIPTION

CODED NOTES:

1. REFRIGERANT PIPING DOWN IN NEW CHASE FROM ABOVE-CEILING TO GRADE LEVEL.
2. REFRIGERANT PIPING DOWN IN NEW CHASE FROM ABOVE-CEILING TO GRADE LEVEL.
3. DROP CONDENSATE DOWN AND CONNECT TO LAVATORY DRAIN ABOVE THE P-TRAP. INSULATE TRAP AND DRAIN PIPING PER SPECIFICATIONS.



HVAC PIPING PLAN - AREA A - ALTERNATE #5

SCALE: 1/4" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
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107	BOY'S RR
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137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
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303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

NOTE:

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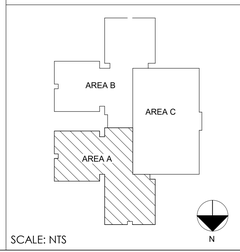
KEY PLAN



SCALE: NTS

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HVAC PIPING PLAN - AREA A - ALTERNATE #5

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Construction Manager:
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P.O. Box 17
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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HVAC PIPING PLAN - AREA A - ALTERNATE #5

DATE ISSUED:
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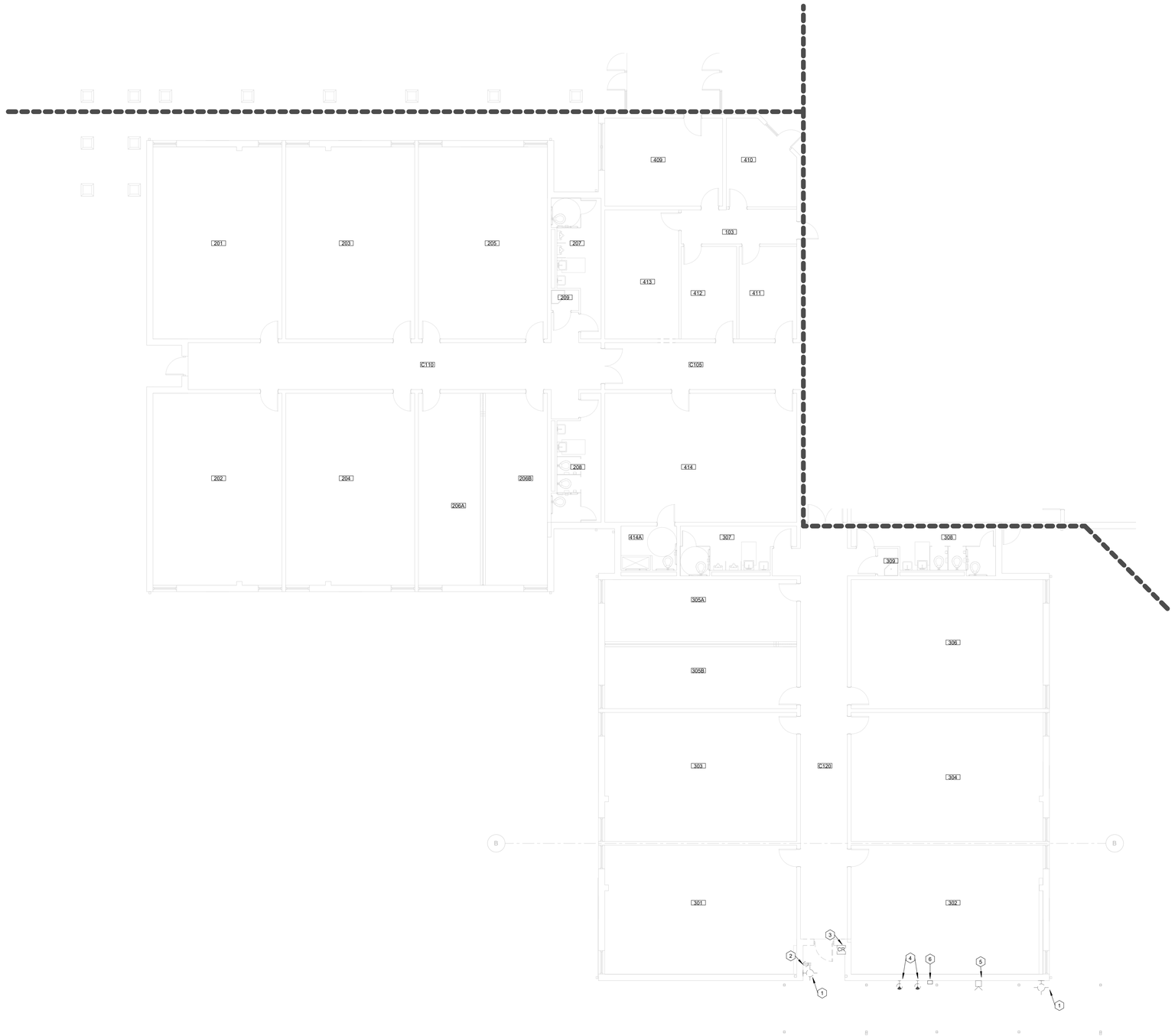

CODED NOTES:

1 EXISTING LIGHT FIXTURE IS TO BE REMOVED.

2 EXISTING RECEPTACLE IS TO BE REMOVED AND COVERED WITH FACEPLATE.

3 EXISTING CARD READER IS TO TO BE REMOVED AND RELOCATED PER NOTE 1 ON SHEET E3.1.

4 EXISTING SECURITY CAMERA IS TO BE REMOVED AND RELOCATED PER NOTE 2 ON SHEET E3.1.

5 EXISTING WALL MOUNTED SPEAKER IS TO BE REMOVED. REMOVE ALL WIRING ASSOCIATED WITH THIS SPEAKER. NEW INTERCOM SPEAKER WILL REUSE THIS PORT IN MAIN COMMUNICATION EQUIPMENT. SEE NOTE 4 ON SHEET E3.1.

6 EXISTING JUNCTION BOX AND CONDUITS ARE TO BE REMOVED.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
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108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

ELECTRICAL DEMOLITION PLAN - AREA A

SCALE: 1/8" = 1'-0"

NOTE:

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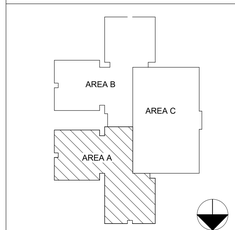

SCALE: NTS

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ELECTRICAL DEMOLITION PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

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Drawn By:	RG
Rev'd By:	WT

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ELECTRICAL DEMOLITION PLAN - AREA A

DATE ISSUED:
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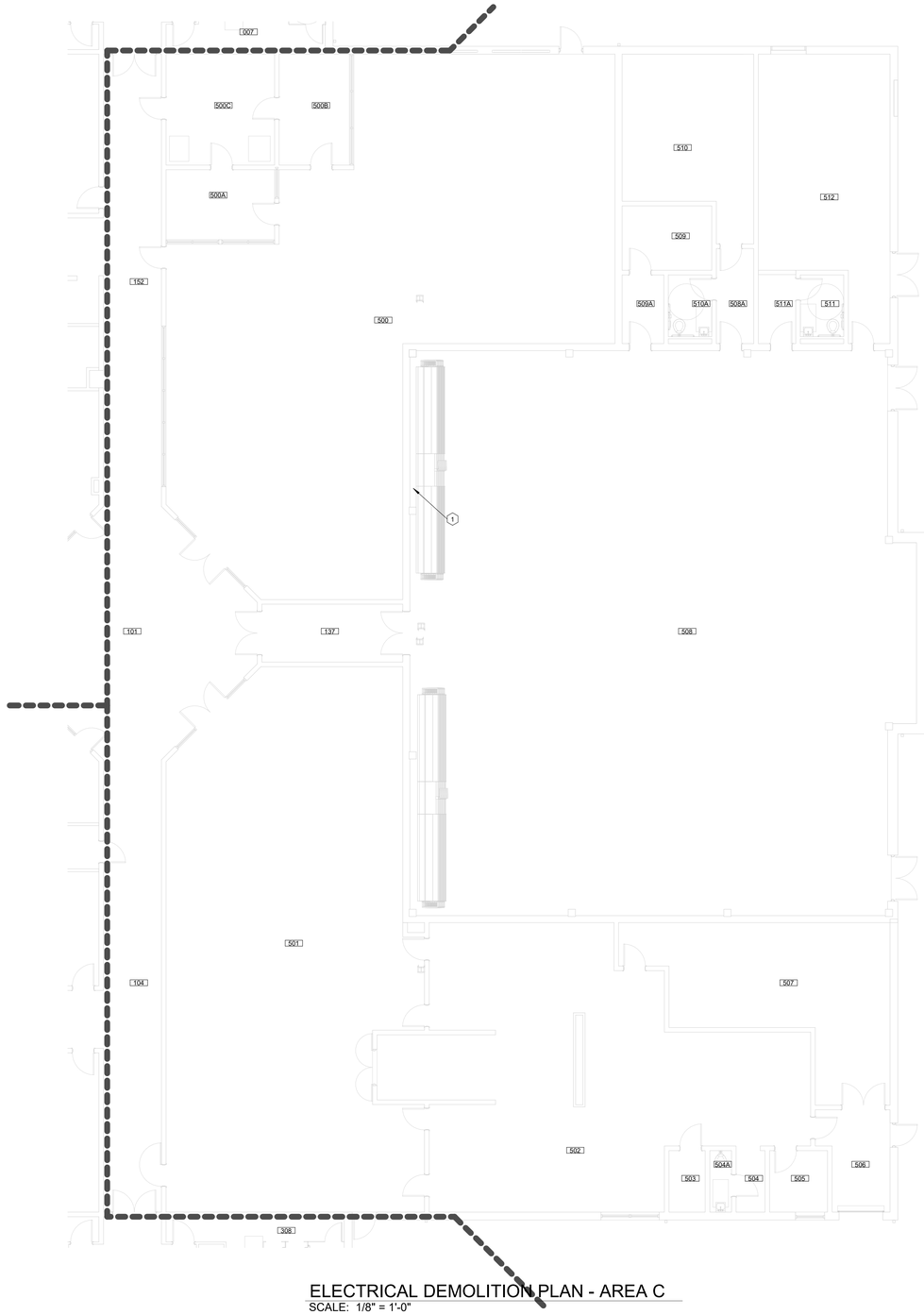

ELECTRICAL DEMOLITION PLAN - AREA C

SCALE: 1/8" = 1'-0"

CODED NOTES:

1 BLEACHER CIRCUITS ARE TO BE DISCONNECTED AND REMOVED.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
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404A	OFFICE
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407	ADMIN RECEPTION
408	FIRST AID
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410	OFFICE
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414	FMD
414A	RESTROOM
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500A	OFFICE
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500C	STOR.
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502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

NOTE:

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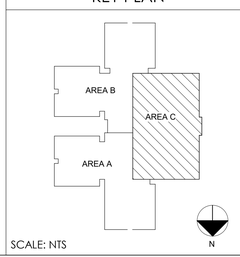

SCALE: NTS

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NOT FOR CONSTRUCTION

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ELECTRICAL DEMOLITION PLAN - AREA C

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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ELECTRICAL DEMOLITION PLAN - AREA C

DATE ISSUED:
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REVISIONS

#	DATE	DESCRIPTION

ELECTRICAL LEGEND

EQUIPMENT, CONDUITS, ETC.

	CONDUIT BELOW FLOOR
	CONDUIT ABOVE FLOOR
	ENTRANCE POINT OF CONDUIT THROUGH FLOOR
	WIREWAY OR CABLE TRAY
	WIRE MOLD (FOR POWER AND/OR DATA)
	PANELBOARD OR TERMINAL CABINET (REFER TO PLANS AND RISER FOR SIZE)
	SECTIONAL SWITCH GEAR (REFER TO PLANS AND RISER FOR NUMBER OF SECTIONS AND LAYOUT)
	TRANSFORMER (REFER TO PLANS AND RISER FOR SIZE)
J	JUNCTION BOX
	ENCLOSED CIRCUIT BREAKER
	DISCONNECT SWITCH
	FUSED DISCONNECT
	COMBINATION MAGNETIC STARTER AND FUSED SWITCH
	MOTOR
HOT GROUND NEUTRAL	WIRE / CONDUIT
12	BOTTOM OF DEVICE (IN INCHES A.F.F.)
1	SEE NOTE 1 THIS SHEET
HW ??	HEADWALL - FOR SERVICES, SEE DETAILS
	GROUND

LIGHTING & LIGHTING DEVICES

	LIGHTING FIXTURES (REFER TO PLANS FOR TYPES OF FIXTURES THE LF-# DESIGNATES THE TYPE OF FIXTURE)
	EMERGENCY LIGHTING FIXTURES (REFER TO PLANS FOR TYPES OF FIXTURES THE LF-# DESIGNATES THE TYPE OF FIXTURE)
	WALL MOUNTED LIGHTING FIXTURES (REFER TO PLANS FOR TYPES OF FIXTURES THE LF-# DESIGNATES THE TYPE OF FIXTURE)
	EMERGENCY WALL MOUNTED LIGHTING FIXTURES (REFER TO PLANS FOR TYPES OF FIXTURES THE LF-# DESIGNATES THE TYPE OF FIXTURE)
	TRACK LIGHTING
	EMERGENCY TRACK LIGHTING
W	WALL-MOUNTED WARNING LIGHT
	EXIT LIGHT
	EXIT LIGHT WITH DIRECTION
	EXIT LIGHT (WALL MOUNTED)
	COMBINATION EMERGENCY BATTERY PACK AND EXIT SIGN
	EMERGENCY BATTERY PACK
LR	LIGHTING CONTROL RELAY
ETR	EMERGENCY TRANSFER RELAY
OS	OCCUPANCY / VACANCY SENSOR
OS	WALL MOUNTED OCCUPANCY / VACANCY SENSOR
PS	PHOTO SENSOR
LCP	LIGHTING CONTROL PANEL
1 LF-# a NL	LF-# = LIGHT FIXTURE TYPE TAG (REFER TO LIGHT FIXTURE SCHEDULE) 1 = CIRCUIT NUMBER a = SWITCHING/ZONING DESIGNATION (IF APPLICABLE) NL = FIXTURE IS A NIGHT LIGHT (IF APPLICABLE)

WALL SWITCHES (BOTTOM 44" A.F.F.)
(EXCEPT AS NOTED OTHERWISE)

\$	SINGLE POLE
$\$_2$	DOUBLE POLE
$\$_3$	THREE-WAY
$\$_4$	FOUR-WAY
$\$_{LV}$	LOW-VOLTAGE, MOMENTARY
$\$_{OS}$	OCCUPANCY/VACANCY SENSOR SWITCH
$\$_D$	DIMMER
$\$_P$	PILOT LIGHT
$\$_{OL}$	THERMAL OVERLOAD
$\$^P_{OL}$	THERMAL OVERLOAD WITH PILOT LIGHT
$\$_K$	KEY OPERATED SWITCH
CS	LIGHTING CONTROL STATION
MS	MASTER LIGHTING CONTROL STATION

RECEPTACLES (BOTTOM 16" A.F.F.)
(EXCEPT AS NOTED OTHERWISE)

	DUPLEX CONVENIENCE OUTLET
	QUADRAPLEX CONVENIENCE OUTLET
	BOTTOM 2" ABOVE BACKSPLASH/COUNTER DUPLEX OUTLET. COORDINATE WITH ARCHITECTURAL DRAWINGS.
	GROUND FAULT INTERRUPTING OUTLET
WP	WEATHERPROOF OUTLET
SW	SWITCHED/CONTROLLED DUPLEX OUTLET
E	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT
CM	CEILING MOUNTED RECEPTACLE.
USB	USB DUPLEX RECEPTACLE.
	SIMPLEX WALL OUTLET (RATING AS NOTED)
	WALL OUTLET (240V, 1-PHASE) (RATING AS NOTED)
	WALL OUTLET (240V, 3-PHASE) (RATING AS NOTED)
	FLOOR BOX / POKE-THRU FOR POWER AND/OR DATA
H	HOOD CONNECTION
	EQUIPMENT CONNECTION
R	CONTROL RELAY

COMMUNICATIONS

	TELECOMMUNICATIONS RACK
	DATA OUTLET (DATA & COMMUNICATIONS) (MOUNTED AT 16" TO THE BOTTOM AFF) (UNLESS OTHER WISE NOTED)
xD xC xV	COMMUNICATION OUTLET NOTATION: xD NUMBER OF DATA PORTS xC NUMBER OF CATV PORTS xV NUMBER OF VOICE PORTS
	GROUNDING BAR

FIRE ALARM

F	FIRE ALARM BREAKGLASS STATION (BOTTOM 44" A.F.F.)
F	FIRE ALARM SPKR/FLASHING LIGHT (80" TO BOTTOM, WALL MNT)
F	FIRE ALARM FLASHING LIGHT (80" TO BOTTOM, WALL MOUNTED)
	FIRE ALARM SPEAKER (80" TO BOTTOM, WALL MOUNTED)
F	FIRE ALARM SPEAKER /FLASHING LIGHT (CEILING MOUNTED)
F	FIRE ALARM SPEAKER (CEILING MOUNTED)
F	FIRE ALARM STROBE/FLASHING LIGHT (CEILING MOUNTED)
S	SINGLE STATION SMOKE DETECTOR (CEILING MOUNTED)
SD	ADDRESSABLE SMOKE DETECTOR (CEILING MOUNTED)
SD	DUCT TYPE SMOKE DETECTOR
HD	AUTOMATIC HEAT DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
EDH	ELECTROMAGNETIC DOOR HOLDER
EDC	ELECTROMAGNETIC DOOR CLOSER
TS	TAMPER SWITCH
FS	FLOW SWITCH
RA	REMOTE TEST ACTIVATOR

SECURITY

CR	CARD READER / PROXIMITY READER
P	DOOR PUSH PLATE
K	KEY PAD
	DOOR CONTACTS
	T.V./SECURITY CAMERA OUTLET
	T.V./SECURITY CAMERA OUTLET WALL MOUNTED
M	MOTION DETECTOR
S	SIREN
AS	AUDIO OR GLASS BREAK SENSOR

SOUND AND INTERCOM

	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
H	WALL MOUNTED HORN
A	ALARM TYPE SPEAKER
V	VOLUME CONTROL
I_M	MASTER INTERCOM STATION
I	INTERCOM STATION
O_M	MICROPHONE OUTLET IN FLOOR (FLUSH TYPE)
M	MICROPHONE OUTLET IN WALL (BOTTOM 16" A.F.F.)
C	CALL IN SWITCH

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ATCP	AUTOMATIC TEMPERATURE CONTROL PANEL
C	CONDUIT
FA	FIRE ALARM
GFI	GROUND FAULT INTERRUPTER
IG	ISOLATED GROUND
JB	JUNCTION BOX
TTC	TELEPHONE TERMINAL CABINET
W	WIRE
F	FLUSH
P	PEDESTAL
CKT	CIRCUIT
REC(S)	RECEPTACLE(S)
LTG	LIGHTING
NL	NIGHT LIGHT
AIC	AMPERE INTERRUPTING CAPACITY
UON	UNLESS OTHERWISE NOTED
WP	WEATHER PROOF
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
LCP	LIGHTING CONTOL PANEL

NOTE:

THE SYMBOLS LISTED ON THIS SHEET MAY NOT ALL BE USED ON THIS SET OF CONTRACT DRAWINGS, HOWEVER, WHEREVER A SYMBOL IS USED THE ITEM SHALL BE FURNISHED AND INSTALLED.

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

ELECTRICAL DEMOLITION GENERAL NOTES:

1. ALL ITEMS SHOWN AS DASHED TO BE DEMOLISHED, INCLUDING ALL CONDUIT, WIRE, JUNCTION BOXES, ETC. REMOVE WIRING COMPLETE BACK TO PANEL. EXISTING BREAKER IN PANEL TO REMAIN UNLESS OTHERWISE NOTED. EXISTING BOXES IN EXISTING BLOCK WALLS SHALL BE PROVIDED WITH A BLANK COVER PLATE. EXISTING CONDUIT IN BLOCK WALLS TO REMAIN AND CAPPED. CONDUIT ABOVE CEILING SHALL BE REMOVED COMPLETE BACK TO PANEL.
2. BEFORE START OF WORK, THE CONTRACTOR SHALL CHECK ALL EXISTING DEVICES, LIGHT FIXTURES AND EQUIPMENT THAT IS NOTED OR REQUIRED TO BE REUSED TO SATISFY THEMSELF THAT THEY ARE OPERATING PROPERLY. SHOULD ANY OF THE ITEMS NOT BE OPERATING, THE CONTRACTOR SHALL REPORT SAME TO THE ARCHITECT AND AWAIT DIRECTIONS. CONTRACTORS NOT COMPLYING WITH THE ABOVE WILL BE RESPONSIBLE FOR PROVIDING OPERATIONAL ITEMS AT HIS EXPENSE.
3. IN EXISTING AREAS WHERE NEW WORK IS SHOWN, REMOVE ALL EXISTING EXPOSED CONDUITS, WIREMOLD, SURFACE AND FLUSH OUTLET BOXES, WIRING DEVICES, FIXTURES, PANELS, ETC., NOT REQUIRED FOR NEW ARRANGEMENT.
4. INSTALL ALL NEW WORK AS INDICATED. FLUSH OUTLET BOXES MAY BE REUSED IF AT PROPER HEIGHT, LOCATION AND IN GOOD CONDITION. EXISTING CONCEALED CONDUITS MAY BE REUSED IF IN GOOD CONDITION, CIRCUITRY SHOWN ON PLANS SHALL GOVERN. ALL OTHER MATERIALS REMOVED SHALL BE REMOVED FROM THE JOB SITE OR TURNED OVER TO THE OWNER.
5. MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CIRCUITS, CONDUITS AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN).
6. WHERE ANY EXISTING OUTLET (ELECTRIC, COMMUNICATION, ETC.) IS NOTED OR REQUIRED TO BE REMOVED, THE CONTRACTOR UNDER THIS DIVISION SHALL CONNECT CONDUIT, PULL IN NEW CONDUCTORS AND RECONNECT AS REQUIRED FOR FEED-THRU OF CIRCUITS TO ENSURE ALL CIRCUITS DOWNSTREAM FROM REMOVED OUTLETS WILL REMAIN OPERATIONAL.
7. IN GENERAL, REMOVE EXISTING WORK INDICATED. THE DRAWINGS SHOW EXISTING WORK TO THE EXTENT POSSIBLE. HOWEVER, ALL EXISTING WORK MAY NOT BE SHOWN ON THE DRAWINGS. REMOVE OR RELOCATE EXISTING MECHANICAL AND ELECTRICAL WORK THAT INTERFERES WITH NEW WORK EVEN IF IT IS NOT SHOWN ON THE DRAWINGS. RELOCATE EXISTING WORK THAT MUST REMAIN IN SERVICE THAT INTERFERES WITH NEW WORK EVEN IF IT IS NOT SHOWN ON THE DRAWINGS. TURN OVER TO OWNER REMOVED EXISTING EQUIPMENT AS INDICATED AND REMOVE OTHER REMOVED EXISTING WORK FROM PROJECT SITE.
8. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO REPAIR ANY HOLES LEFT IN THE EXISTING BUILDING FLOORS, WALLS, OR CEILINGS DUE TO THE DEMOLITION OF THE EXISTING ELECTRICAL SYSTEM.
9. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EQUIPMENT TO BE REMOVED. EXISTING EXPOSED CIRCUITS NOT TO BE REUSED SHALL BE REMOVED. EXISTING CONCEALED CIRCUITS NOT TO BE REUSED SHALL BE ABANDONED AFTER CONDUCTORS ARE REMOVED. CONDUITS EXPOSED BY CONSTRUCTION SHALL BE REMOVED.
10. ALL ITEMS SHOWN AS HALFTONE/GRAY ARE EXISTING AND ARE TO REMAIN.
11. ALL EXISTING ELECTRICAL CONNECTIONS AND DEVICES NOT SPECIFICALLY INDICATED TO REMAIN AND NOT REQUIRED FOR THE NEW ARRANGEMENT SHALL BE REMOVED UNLESS OTHERWISE NOTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SURVEY THE SITE TO DETERMINE THE TOTAL SCOPE OF THE WORK.
12. IN RENOVATED AREAS OF EXISTING BUILDING, EXISTING CONDUIT IS SHOWN AS OBTAINED FROM ORIGINAL BUILDING DRAWINGS FOR BID PURPOSES ONLY. CONTRACTOR SHALL VERIFY EXACT ROUTING AND LOCATION FOR RECONNECTING CIRCUITS AS SHOWN OR REQUIRED TO WORK WITH NEW SYSTEM.

ELECTRICAL GENERAL NOTES

1. INSTALL PANELBOARDS WITH THE TOP AT 6-6" ABOVE FINISHED FLOOR.
2. PROVIDE SUPPORTS FOR ALL VERTICAL CONDUIT RUNS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
3. INSTALL SECONDARY UNDERGROUND CONDUCTORS A MINIMUM OF 36" DEEP TO TOP OF CONDUIT OR ENCASEMENT.
4. FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH FOUR (4) 1" SPARE CONDUITS CONCEALED IN WALL TO ABOVE ACCESSIBLE CEILING. TURN OUT 4" FROM WALL AND CAP.
5. ELECTRICAL CONTRACTOR SHALL INSTALL ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
6. PROVIDE A COPY OF ALL COMPLETED PANEL SCHEDULES IN THE O & M MANUAL.
7. LIGHTS IN MECHANICAL SPACES SHALL BE LOCATED SO AS TO CLEAR PIPING, DUCTWORK, AND EQUIPMENT ON CEILING. FIELD VERIFY.
8. COORDINATE EXACT LOCATION OF ALL LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS.
9. FLEXIBLE CONDUIT SHALL BE USED FOR FIXTURE WHIPS TO LIGHT FIXTURES. FLEXIBLE CONDUITS TO LIGHT FIXTURES SHALL NOT EXCEED 6'-0" AND SHALL BE A MINIMUM OF 1/2".
10. CHAIN FOR SUPPORTING LIGHT FIXTURES SHALL BE GALVANIZED STEEL WELL CHAIN WITH A MINIMUM DEAD WEIGHT CAPACITY OF 100 LBS.
11. RECESSED LIGHTING FIXTURE WITH IN A GRID TYPE CEILING TO BE SUPPORTED INDEPENDENTLY FROM THE GRID. SUPPORT FIXTURE FROM STRUCTURE ABOVE WITH 12 GUAGE WIRE ONE ON EACH CORNER.
12. WALL MOUNTED OCCUPANCY/VACANCY SENSORS SHALL BE MOUNTED AND INSTALLED IMMEDIATELY BELOW THE CEILING AND PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR BEST COVERAGE. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
13. CONTRACTOR SHALL CHECK ALL DOOR SWINGS AND SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOM LIGHT SWITCHES/CONTROL STATIONS ASSOCIATED WITH DOORS ON THE STRIKE SIDE OF THE DOORS REGARDLESS OF THE INDICATION ON THE ELECTRICAL DRAWINGS. SWITCHES NOT COMPLYING SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
14. ALL CONDUIT SHALL BE HOMERUN TO PANELBOARD AS INDICATED ON THE DRAWINGS. COMBINING OF CIRCUITS IN HOMERUNS WILL NOT BE ACCEPTABLE. ANY DEVIATIONS IN SUCH WORK WILL NOT BE APPROVED EXCEPT AS REQUIRED TO MEET THE NATIONAL ELECTRICAL CODE OR BY PERMISSION OF THE ENGINEER.
15. ALL CONDUIT SHALL BE CONCEALED IN EXISTING AND NEW WALLS AND CEILINGS EXCEPT MECHANICAL ROOMS. REFER TO SPECIFICATIONS.
16. ELECTRICAL CONTRACTOR SHALL LOCATE ALL ELECTRICAL EQUIPMENT AS REQUIRED TO INSURE MINIMUM CLEARANCES ARE PROVIDED IN ACCORDANCE WITH THE N.E.C.
17. CONCERNING ALL RISER DIAGRAMS: AN ATTEMPT HAS BEEN MADE TO SHOW ALL DEVICES ON RISER DIAGRAM. ANY DEVICES SHOWN ON FLOOR PLANS AND NOT SHOWN ON RISER DIAGRAMS SHALL BE CONNECTED TO SYSTEM, AS REQUIRED.
18. ALL SCHEMATICS ARE FOR BID PURPOSES ONLY. SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH WIRING DIAGRAMS OBTAINED FROM THE MANUFACTURER.
19. ALL DEVICES SHALL BE LOCATED ON CLEAR WALL SPACES, CLEAR OF ALL SHELVING, CHALKBOARDS, TACKBOARDS, CASEWORK, ETC. OUTLETS NOT COMPLYING WITH THE ABOVE SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
20. ROUGH-IN FOR ELECTRIC DRINKING FOUNTAINS (WATER COOLERS) AND BOTTLE FILLERS SHALL BE PERFORMED IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.
21. ROUGH-IN FOR EQUIPMENT SHALL BE DONE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.
22. ELECTRICAL CONTRACTOR SHALL COORDINATE HEIGHT OF ALL DEVICES AT ALL CASEWORK LOCATIONS TO AVOID CONFLICTS. ALL OUTLETS SHALL BE ROUGHED-IN IN ACCORDANCE WITH ARCHITECTURAL CASEWORK ELEVATIONS. EXACT LOCATION OF ALL OUTLETS SHALL BE AS DIRECTED BY THE OWNER.
23. COORDINATE EXACT LOCATION OF ALL DEVICES IN THE CEILING WITH THE ARCHITECTURAL, HVAC, LIGHTING, AND FIRE PROTECTION REFLECTED CEILING PLANS.
24. THE CONTRACTOR SHALL PROVIDE EQUIPMENT GROUNDING CONDUCTORS IN ALL FEEDERS TO GROUND BUS IN PANELBOARDS AND IN ALL CIRCUITS TO EQUIPMENT AND RECEPTACLES. SEE SPECIFICATIONS.
25. ALL EXTERIOR UNDERGROUND CIRCUITS SHALL BE INSTALLED WITH TOP OF CONDUIT OR CONCRETE ENCASEMENT A MINIMUM OF 24" BELOW FINISHED GRADE, UNLESS NOTED OTHERWISE.
26. LIQUIDTITE FLEXIBLE METAL CONDUIT (LFMC) SHALL BE USED FOR FIXTURE WHIPS TO MOTORS. FLEXIBLE CONDUIT TO MOTORS SHALL BE A MINIMUM OF 3/4" AND SHALL NOT EXCEED 24" IN LENGTH.
27. ALL ELECTRICAL OUTLETS WITHIN 6'-0" OF A WATER SOURCE SHALL BE OF THE GFI PROTECTED.
28. FIRE ALARM SYSTEM LAYOUT IS FOR BID PURPOSES ONLY. SYSTEM SHALL BE INSTALLED AND CONNECTED IN ACCORDANCE WITH WIRING DIAGRAMS OBTAINED FROM MANUFACTURER. DEVICE QUANTITY AND LOCATION SHALL PROVIDE COVERAGE IN ALL AREAS PER NFPA 72. PROVIDE DEVICES AS REQUIRED WHETHER SHOWN ON THE DRAWINGS OR NOT.
29. PROVIDE 5' EXCESS CABLE COILED ABOVE THE CEILING FOR EACH DATA DROP.
30. LABEL CABLES BOTH AT THE RACK AND AT THE INDIVIDUAL OUTLET.
31. INSTALL STEEL SLEEVES BETWEEN STACKED TELECOMMUNICATIONS ROOMS. SLEEVES SHALL EXTEND 4" AFF AND 4" BELOW THE DECK. A MINIMUM OF TWO (2) SLEEVES ON THREE (3) WALLS IS REQUIRED. ALL SLEEVES MUST BE FIRE CAULKED AND SEALED, INITIAL FIRE CAULKING IS THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING THE SLEEVES. INSTALL GROUND BUSHINGS ON ALL SLEEVES AND PROPERLY GROUND TO THE GROUNDING BAR. TELECOMMUNICATIONS ROOMS THAT ARE NOT STACKED WILL REQUIRE THE INSTALLATION OF SIX (6) RISER CONDUITS (4 INCH MINIMUM DIAMETER) WITH PULL STRINGS AND APPROPRIATE JUNCTION PULL BOXES CONNECTING ALL TELECOMMUNICATIONS ROOMS.
32. FIRE TREATED PLYWOOD, 3/4 INCH THICK, MUST BE MECHANICALLY FASTENED TO ALL WALLS OF EACH TELECOMMUNICATIONS ROOM. THE FIRE TREATED PLYWOOD WILL BEGIN AT 4" AFF AND END AT 8' 4" AFF. THE ROOM WALLS WILL BE FINISHED WITH DRYWALL (COMPLETELY TAPED, SANDED, AND PAINTED) OR CONCRETE BLOCK (PAINTED) PRIOR TO MOUNTING THE PLYWOOD.
33. CABLE TRAY WILL LOOP THE ENTIRE PERIMETER INSIDE A TELECOMMUNICATIONS ROOM AT 8' AFF. MAINTAIN A 4" CLEARANCE FROM EACH WALL. SUPPORT WITH TRAPEZE MADE UP OF ALL THREAD AND UNISTRUT. UNIVERSAL 12" CABLE TRAY WILL BE INSTALLED AT THE TOP OF THE COMMUNICATIONS RACKS SPANNING THE WIDTH OF THE ROOM. RADIUS DROP OUTS WILL BE INSTALLED ON ALL CABLE TRAYS WHERE CABLES EXIT THE TRAY TO A LOWER ELEVATION.
34. ALL TELECOMMUNICATIONS ROOMS SHALL HAVE A GROUNDING BAR, WHICH MEASURES 12" LONG BY 4" WIDE BY ¼" THICK WITH PRE-DRILLED ¼" HOLES. THE GROUND BAR SHALL BE CONNECTED TO THE MAIN BUILDING GROUND USING # 2 OR GREATER AWG COPPER WIRE WITH A MAXIMUM RESISTANCE OF 0.5 OHMS OR LESS. NEC REQUIREMENTS SHALL BE FOLLOWED.
35. ALL CABLE TRAY WITHIN THE TELECOMMUNICATIONS ROOM SHALL BE GROUNDED TO THE MAIN BUILDING GROUNDING SYSTEM WITH A WIRE NOT SMALLER THAN #2 AWG COPPER. GROUND WIRE AND CLAMPS WILL BE INSTALLED ON THE EXTERIOR OF THE CABLE TRAY.
36. NO MORE THAN AN EQUIVALENT OF 270 DEGREES OF BEND, INCLUDING OFFSETS, IS ALLOWED IN A CONDUIT RUN BETWEEN JUNCTION BOXES OR PULL BOXES.
37. ABSOLUTELY NO "LB'S" ARE ALLOWED IN ANY COMMUNICATIONS CONDUIT INSTALLATION.
38. CONDUIT ENDS AT A CABLE TRAY WILL HAVE PLASTIC BUSHINGS AND BE WIRE BONDED TO THE TRAY.
39. CONDUIT THAT TERMINATES IN THE TELECOMMUNICATIONS ROOM MUST HAVE PLASTIC BUSHINGS AND BE WIRE BONDED TO THE GROUND BAR LOCATED IN THE ROOM.
40. ALL COMMUNICATIONS OUTLETS SHALL BE FED WITH CONDUIT AND PULL STRING, WITH AN ABSOLUTE MINIMUM NUMBER OF BENDS FROM THE OUTLET TO THE CABLE TRAY, OR HOMERUN DIRECTLY TO THE TELECOMMUNICATIONS ROOM. PULL BOXES MUST BE INSTALLED AFTER EVERY 270 DEGREES OF BEND (INCLUDING OFFSETS) OR 100 FEET OF THE CONDUIT RUN.
41. PREPACKAGED INTUMESCENT MATERIALS ARE THE PREFERRED MATERIAL FOR FIREPROOFING FOR TELECOMMUNICATIONS. DO NOT USE CONCRETE FOR FIRE STOPPING ON CABLE TRAYS, WIREWAYS OR CONDUIT. CONTRACTORS WHO USE THIS METHOD WILL BE REQUIRED TO REPLACE ALL CABLES AFFECTED.
42. SEE STRUCTURAL DETAILS FOR REQUIREMENTS FOR CONDUITS INSTALLED NEAR FOOTINGS.

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ELECTRICAL LEGEND AND GENERAL NOTES

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION

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BG# 22-207

Project No: 2148
Drawn By: RG
Rev'd By: WT

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ELECTRICAL LEGEND AND GENERAL NOTES

DATE ISSUED: MARCH 23, 2022

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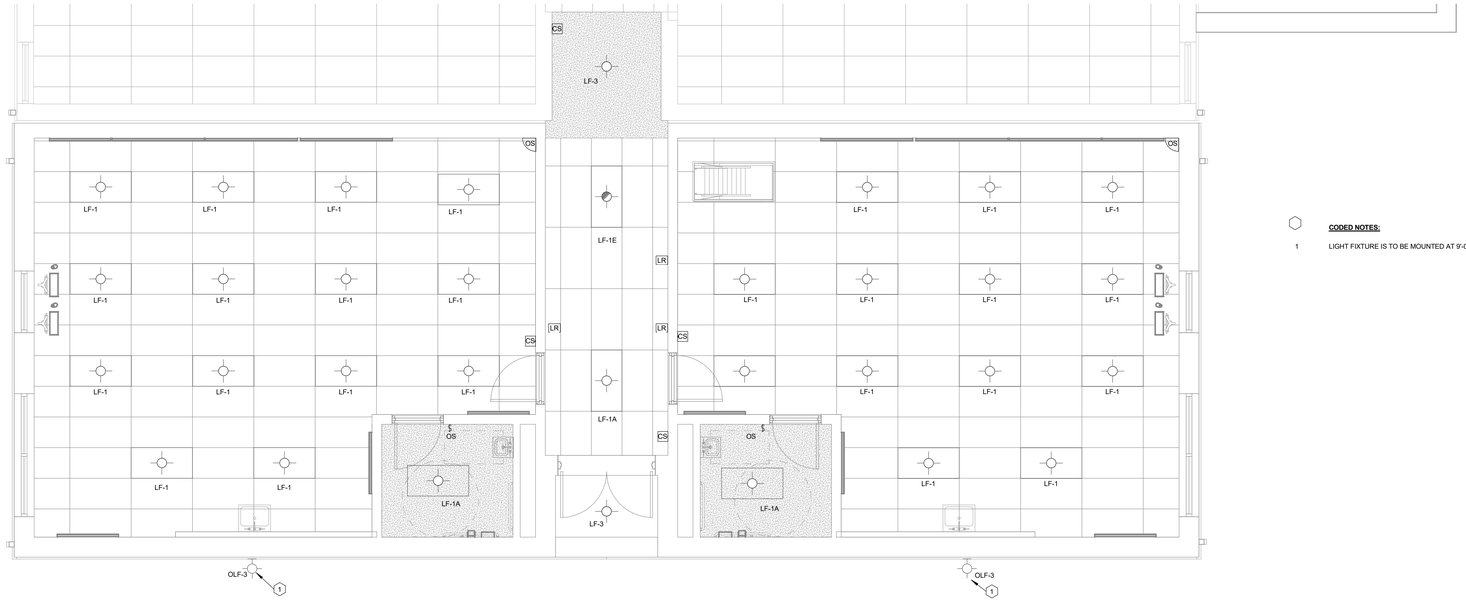
#	DATE	DESCRIPTION



CODED NOTES:

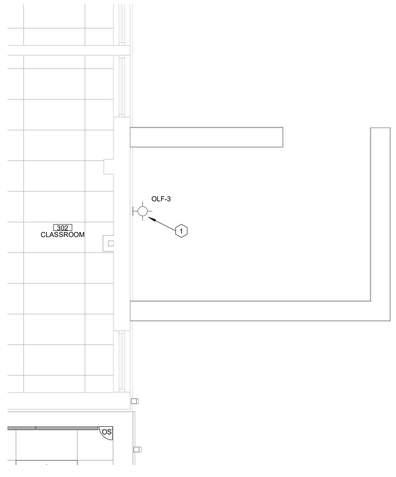
1 LIGHT FIXTURE IS TO BE MOUNTED AT 9'-0" ABOVE FINISHED GRADE.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

LIGHTING PLAN - AREA A - BASE BID

SCALE: 1/4" = 1'-0"



LIGHTING PLAN - MECHANICAL YARD - BASE BID

SCALE: 1/4" = 1'-0"

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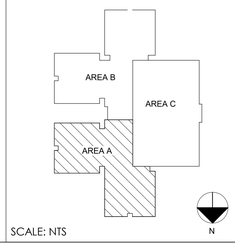
KEY PLAN



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LIGHTING PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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BG# 22-207

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LIGHTING PLAN - AREA A

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MARCH 23, 2022

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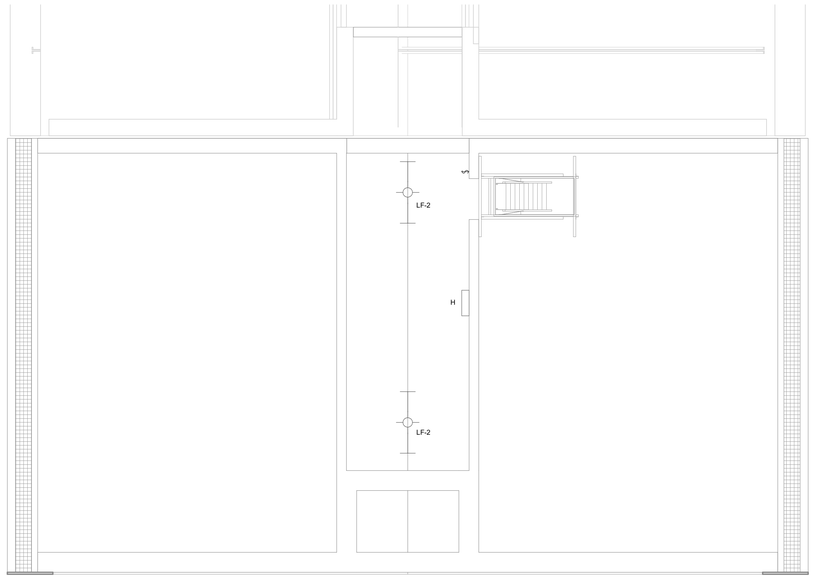

LIGHTING PLAN - AREA A - MEZZANINE - BASE BID
SCALE: 1/4" = 1'-0"

NOTE:

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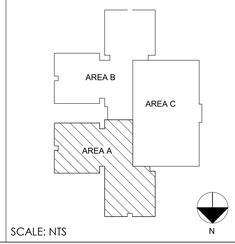
KEY PLAN



SCALE: NTS

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LIGHTING PLAN - AREA A - MEZZANINE

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

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LIGHTING PLAN - AREA A - MEZZANINE

DATE ISSUED:
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#	DATE	DESCRIPTION

LIGHT FIXTURE SCHEDULE

LF-#	FIXTURE DESCRIPTION	VOLTAGE	WATTAGE	LAMP	LUMEN OUTPUT	COLOR TEMPERATURE	COLOR RENDERING INDEX (CRI)	DRIVER	MANUFACTURER	MODEL	EQUIVALENT MANUFACTURERS
LF-1	2' X 4' LED GRID TROFFER WITH 2-3/8" DEEP STEEL HOUSING, INTEGRAL T-BAR CLIPS, COLD ROLLED STEEL REFLECTOR, POLYESTER POWDER COAT AFTER FABRICATION, IMPACT RESISTANT MODIFIED ACRYLIC PRISMATIC REFRACTOR, INTEGRAL MULTI-VOLT 0-10V 1-100% DIMMABLE DRIVER, 4000 KELVIN LED ARRAY PRODUCING 6000 DELIVERED LUMENS, L90 RATED LIFE OF 60,000 HOURS, DLC QUALIFIED, AND FIVE-YEAR LIMITED FIXTURE WARRANTY.	120 V	38 W	LED	6000 LM	4000 K	> 80	0-10V DIMMING, DIMS TO 1%	LITHONIA	2BLT4 48L ADSM 120 GZ1 LP840 GLR LATC	METALUX, LIGHTOLIER
LF-1A	SAME AS LF-1 EXCEPT 4000 LM.	120 V	32 W	LED	4000 LM	4000 K	> 80	0-10V DIMMING, DIMS TO 1%	LITHONIA	2BLT4 40L ADSM 120 GZ1 LP840 GLR LATC	METALUX, LIGHTOLIER
LF-1E	SAME AS LF-1 EXCEPT WITH INTEGRAL 1400 LM BATTERY.	120 V	38 W	LED	4800 LM	4000 K	> 80	0-10V DIMMING, DIMS TO 1%	LITHONIA	2BLT4 48L ADSM 120 GZ1 LP840 EL14L GLR LATC	METALUX, LIGHTOLIER
LF-2	4' LED STRIP LIGHT WITH 20 GAUGE STEEL HOUSING, HIGH GLOSS BAKED WHITE ENAMEL FINISH, REPLACEABLE MEDIUM DIFFUSE ACRYLIC LENS, HIGH OUTPUT LEDS ON TWO LAYER CIRCUIT BOARD, ELECTRONIC LED DRIVER, 5000 DELIVERED LUMENS, 80 CRI, 70% OUTPUT AT 60,000 HOURS, CSA LISTED FOR DAMP LOCATIONS, AND FIVE-YEAR LIMITED WARRANTY. FIXTURE SHALL BE SURFACE MOUNTED OR SUSPENDED AS INDICATED ON DRAWINGS.	120 V	39 W	LED		4000 K	> 80	0-10V DIMMING, DIMS TO 1%	LITHONIA	ZL1N L48 SMR 5000LM FST 120 40K 80CRI WH	METALUX, LIGHTOLIER
LF-3	RECESSED 6" LED DOWNLIGHT WITH 2000 LUMEN OUTPUT SELF-FLANGED ALZAK LOWER REFLECTOR, HIGHLY TRANSMISSIVE LENS, 55 DEGREE CUTOFF, GALVANIZED STEEL MOUNTING FRAME, ADJUSTABLE 16-GAUGE GALVANIZED STEEL MOUNTING BARS WITH CONTINUOUS 4" VERTICAL ADJUSTMENT FROM BELOW CEILING, GALVANIZED STEEL JUNCTION BOX WITH HINGED ACCESS COVERS, SOLID STATE LED LIGHT ENGINE AVAILABLE IN 4000 K COLOR TEMPERATURES, CLASS P, THERMALLY PROTECTED SOLID-STATE 0-10V DIMMING DRIVER, RATED SYSTEM LIFE OF 50,000 HOURS AT 70% OUTPUT, MAXIMUM 40 DEGREE CELSIUS OPERATING TEMPERATURE, ENERGY STAR CERTIFIED, AND 5-YEAR LIMITED WARRANTY.	120 V	12 W	LED	2000 LM	4000 K	> 80	0-10V DIMMING, DIMS TO 10%	LITHONIA	LDN6 40/20 LO6 AR LSS 120 GZ1 SF	<varies>
OLF-3	WALL MOUNTED ARCHITECTURAL WALL SCONCE WITH VISUAL COMFORT FORWARD THROW DISTRIBUTION WITH BI-LEVEL MOTION SENSOR. WET LOCATION LISTED. ARCHITECT SHALL SELECT FINISH DURING SHOP DRAWING PHASE.	<varies>	23 W	LED	<varies>	<varies>	<varies>	LED DRIVER	LITHONIA	WDGE2 LED P3 40K 80CRI VF MVOLT SRM ** PIR	<varies>
OLF-7	4" RECESSED LINEAR SLOT, REFER TO LIGHTING PLANS FOR LENGTH.	120 V		LED							

LIGHTING SEQUENCE OF OPERATIONS SCHEDULE

ROOM NUMBER	ROOM NAME	NOTE NUMBER
001	CLASSROOM	
002	CLASSROOM	
003	CLASSROOM	
004	CLASSROOM	
005	CLASSROOM	
006A	CLASSROOM	
006B	CLASSROOM	
007	BOY'S RR	
008	GIRL'S RR	
009	CUST.	
100	VESTIBULE	
101	CLASSROOM	
101	ENTRY	
102	CLASSROOM	
103	CLASSROOM	
103	CORRIDOR	
104	CLASSROOM	
104	CORRIDOR	
105A	CLASSROOM	
105B	CLASSROOM	
106	CLASSROOM	
107	BOY'S RR	
108	GIRL'S RR	
109	CUSTODIAL	
137	CORRIDOR	
152	CORRIDOR	
156	CORRIDOR	
164	CORRIDOR	
170	CORRIDOR	
201	CLASSROOM	
202	CLASSROOM	
203	CLASSROOM	
204	CLASSROOM	
205	CLASSROOM	
206A	CLASSROOM	
206B	CLASSROOM	
207	BOY'S RR	
208	GIRL'S RR	
209	CUSTODIAL	
301	CLASSROOM	
302	CLASSROOM	
303	CLASSROOM	
304	CLASSROOM	
305A	CLASSROOM	
305B	CLASSROOM	
306	CLASSROOM	
307	BOYS RR	
308	GIRLS RR	
309	CUST.	
401	CLASSROOM	
402	RR	
403	RR	
404	RECEPT.	
404A	OFFICE	
405	RECORDS	
406	OFFICE	
407	ADMIN RECEPTION	
408	FIRST AID	
408A	RR	
409	FRC	
410	OFFICE	
411	SBDM OFFICE	
412	WORKROOM	
413	SBDM CONFERENCE	
414	FMD	
414A	RESTROOM	
500	MEDIA CENTER	
500A	OFFICE	
500B	WORKROOM	
500C	STOR.	
501	CAFETERIA	
502	KITCHEN	
503	LAUNDRY	
504	LOCKERS	
504A	TOILET	
505	OFFICE	
506	RECEIVING	
507	DRY FOOD	
508	GYMNASIUM	
508A	VESTIBULE	
509	OFFICE	
509A	VESTIBULE	
510	STOR.	
510A	RR	
511	TOILET	
511A	VESTIBULE	
512	MECH.	
C105	CORRIDOR	
C110	CORRIDOR	
C120	CORRIDOR	

LIGHTING SEQUENCE OF OPERATIONS NOTES:

1. **CORRIDORS/VESTIBULES:** LIGHTING SHALL BE CONTROLLED VIA TIME SCHEDULE WITH LOCAL OVERRIDE SWITCHES.

2. **LARGE RESTROOMS:** LIGHTING SHALL BE CONTROLLED VIA TIME SCHEDULE WITH LIGHTS BEING ON DURING BUILDING OPERATIONS AND CONTROLLED BY OCCUPANCY SENSOR AFTER HOURS WITH LOCAL OVERRIDE SWITCHES.

3. **SINGLE RESTROOMS/JANITOR/CUSTODIAL CLOSET:** LIGHTING SHALL BE CONTROLLED VIA OCCUPANCY SENSOR SWITCH.

4. **MECHANICAL/ELECTRICAL/TELECOMMUNICATION ROOMS:** LIGHTING SHALL BE CONTROL BY A WALL SWITCH.

5. **TYPICAL CLASSROOM:** LIGHTING SHALL BE DIMMED. ENTRY STATION SHALL PROVIDE ON/OFF/DIM UP/DIM DOWN/PRESET. A VACANCY SENSOR SHALL SWITCH LIGHTING OFF AFTER 15 MINUTES IF OCCUPANT DOES NOT MANUALLY SWITCH OFF THE LIGHTING. THE VACANCY SENSOR SHALL PROVIDE THE BMS WITH OCCUPANCY STATUS VIA AUXILIARY CONTACTS.

6. DAY LIGHTING CONTROL BY PHOTOSENSOR.

7. ROOM PARTITION SENSORS TO COMBINE CONTROL OF MULTIPLE ROOMS WHEN PARTITION IS OPEN.

GENERAL NOTES:

- IN ALL CLASSROOMS, OFFICES, BREAK ROOMS, AND ADMINISTRATIVE SPACES, ENTRY CONTROL STATIONS SHALL TURN LIGHTS ON TO 80% OF FULL OUTPUT. DIM UP CONTROL AND/OR PRESETS SHALL ALLOW LIGHTS TO BE BROUGHT TO FULL OUTPUT.
- WHERE EMERGENCY TRANSFER RELAYS ARE SHOWN, CONNECTED LIGHT FIXTURES SHALL BE CONTROLLED ALONG WITH THE NORMAL FIXTURES IN THE SAME ZONE OF CONTROL. PROVIDE EMERGENCY, NORMAL, AND CONTROL CIRCUITS TO EMERGENCY TRANSFER RELAY PER THE MANUFACTURER'S DIRECTIONS.
- WHERE DIMMING IS INDICATED TO BE PROVIDED, ADDITIONAL DIMMING CONDUCTORS MY BE REQUIRED FROM LIGHTING CONTROLLER TO FIXTURES. COORDINATE WITH LIGHTING CONTROL SYSTEM REQUIREMENTS AND PROVIDE AS REQUIRED. PROVIDE OCCUPANCY/VACANCY SENSORS, DIMMING BALLASTS/DRIVERS, CONTROLLERS, CONTROL STATIONS, ETC. AS REQUIRED FOR OPERATION AS DESCRIBED BY THE SEQUENCE OF OPERATION.

EXTERIOR LIGHTS:

- POLE-MOUNTED AND BUILDING-MOUNTED LIGHT FIXTURES, INCLUDING EMERGENCY EGRESS FIXTURES, ARE TO BE CONTROLLED BY LIGHTING CONTACTORS. CONTACTORS SHALL BE CONTROLLED BY THE HVAC CONTROL SYSTEM. PROVIDE CONTACTOR WITH AN INTEGRAL MANUAL SWITCH TO ALLOW MANUAL CONTROL OF CIRCUIT FOR DIAGNOSTIC PURPOSES. CONTACTORS SHALL BE LOCATED ADJACENT TO PANELBOARDS. EMERGENCY EGRESS FIXTURES SHALL BE CONTROLLED WITH EMERGENCY TRANSFER RELAY(S) SUCH THAT FIXTURES WILL ENERGIZE WHEN GENERATOR RUNS DURING A POWER OUTAGE.

SF - E - Lighting Sequence of Operations Notes
SCALE: 12" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

NOTE:

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LIGHT FIXTURE SCHEDULE & LIGHTING SEQUENCE OF OPERATIONS

ESTILL SPRINGS ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION

IRVINE, KENTUCKY

BG # 22-207

Project No: 2148
Drawn By: Author
Rev'd By: Checker

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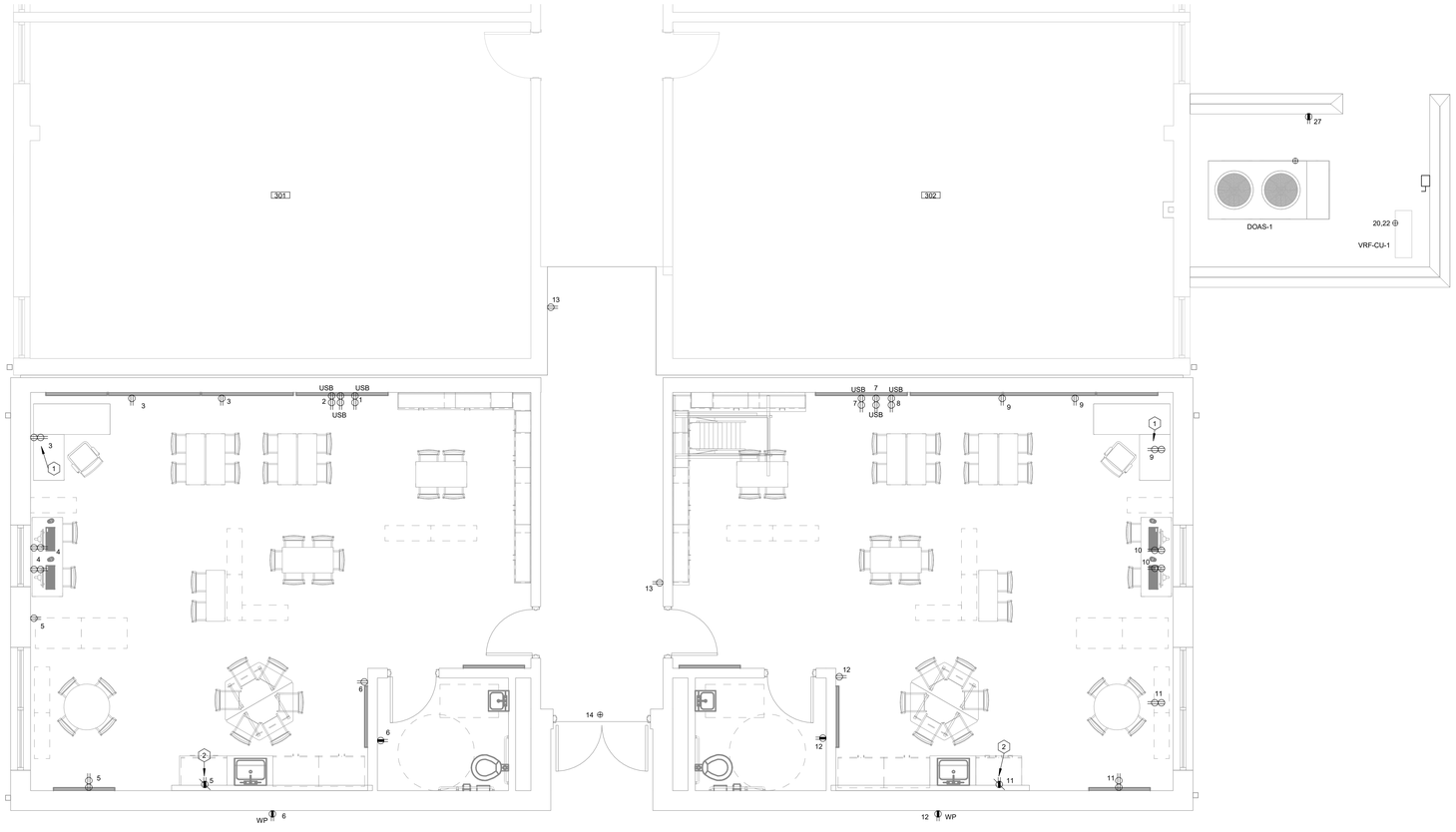
LIGHT FIXTURE SCHEDULE & LIGHTING SEQUENCE OF OPERATIONS

MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION



POWER PLAN - AREA A - BASE BID

SCALE: 1/4" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
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305B	CLASSROOM
306	CLASSROOM
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403	RR
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414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
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500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

CODED NOTES:

1 INSTALL RECEPTACLE IN KNEE SPACE OF DESK. COORDINATE WITH CASEWORK SHOP DRAWINGS.

2 INSTALL RECEPTACLES 2" ABOVE BACKSPLASH/COUNTER. REFER TO ARCHITECTURAL DRAWINGS AND APPROVED CASEWORK SHOP DRAWINGS.

NOTE:

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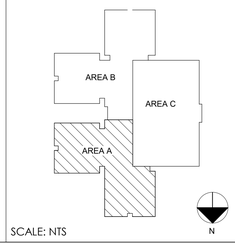
KEY PLAN



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POWER PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION

IRVINE, KENTUCKY

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Structural Engineer:
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Construction Manager:
Codell Construction Co.
P.O. Box 17
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	RG
Rev'd By:	WT

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POWER PLAN - AREA A

DATE ISSUED:
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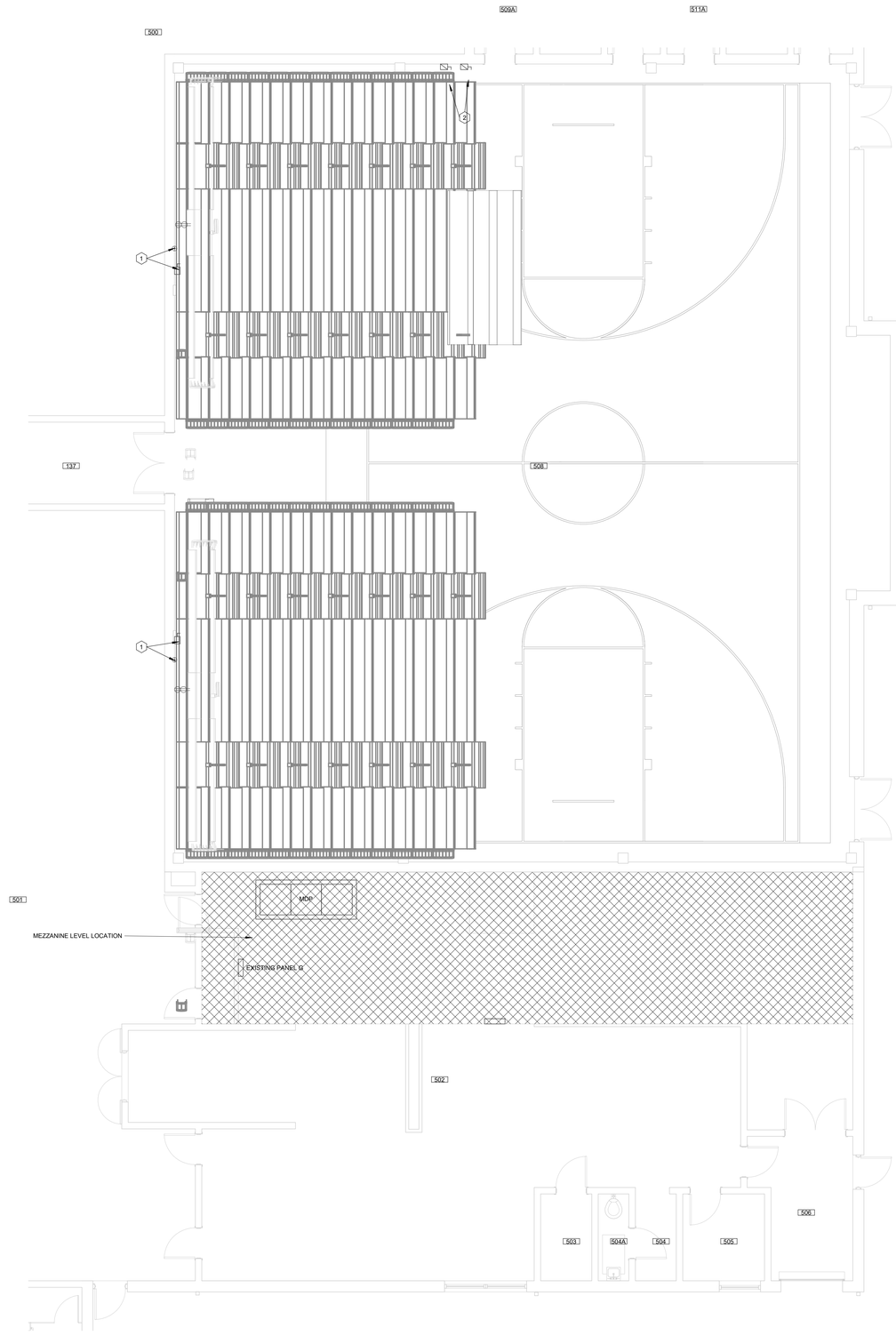

POWER PLAN - AREA C

SCALE: 3/16" = 1'-0"

CODED NOTES:

1 30A/3P/208V NON-FUSED DISCONNECT. INSTALL BELOW BLEACHERS AND AT THE CENTER POINT OF THE HORIZONTAL LENGTH OF THE BLEACHERS. PROVIDE CONNECTION TO THE BLEACHER SYSTEM. EXTEND CIRCUIT FROM THE LOAD SIDE OF THE DISCONNECT TO JUNCTION BOXES 5' A.F.F. AT SECTION JOINTS. COORDINATE WITH BLEACHER SHOP DRAWINGS AND PROVIDE ROUGH-IN REQUIRED.

2 30A/3P/208NNECT. FUSED AT 20 AMPS. COORDINATE EXACT LOCATION FOR DISCONNECT WITH ELECTRICAL INSPECTOR PRIOR TO INSTALLATION. DISCONNECT SHALL NOT BE LOCATED BELOW BLEACHERS.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
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101	CLASSROOM
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102	CLASSROOM
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103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
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107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
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401	CLASSROOM
402	RR
403	RR
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502	KITCHEN
503	LAUNDRY
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504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
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510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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POWER PLAN - AREA C

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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IRVINE, KENTUCKY

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BG# 22-207

Project No:	2148
Drawn By:	RG
Rev'd By:	WT

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POWER PLAN - AREA C

DATE ISSUED:
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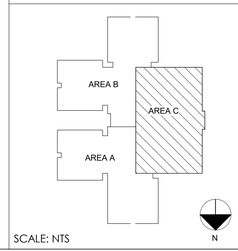
KEY PLAN



SCALE: NTS

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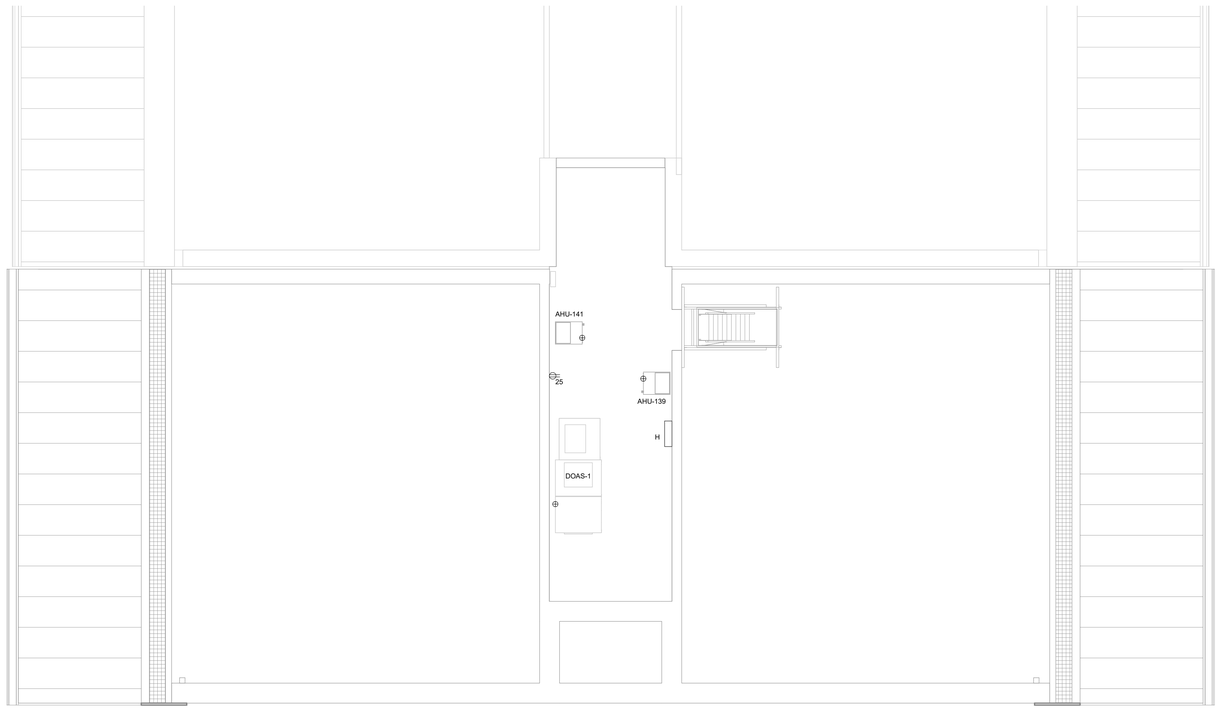
REVISIONS

#	DATE	DESCRIPTION



POWER PLAN - AREA A - MEZZANINE - BASE BID
SCALE: 1/4" = 1'-0"

NOTE:

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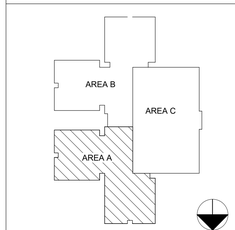
KEY PLAN



SCALE: NTS

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

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STAGGS & FISHER CONSULTING ENGINEERS, INC.
3264 Lochness Drive
Lexington, KY 40517
859.271.3246

POWER PLAN - AREA A - MEZZANINE

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
Structural Design Group, Inc.
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Nashville, TN 37228
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Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p.859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	RG
Rev'd By:	WT

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POWER PLAN - AREA A - MEZZANINE

DATE ISSUED:
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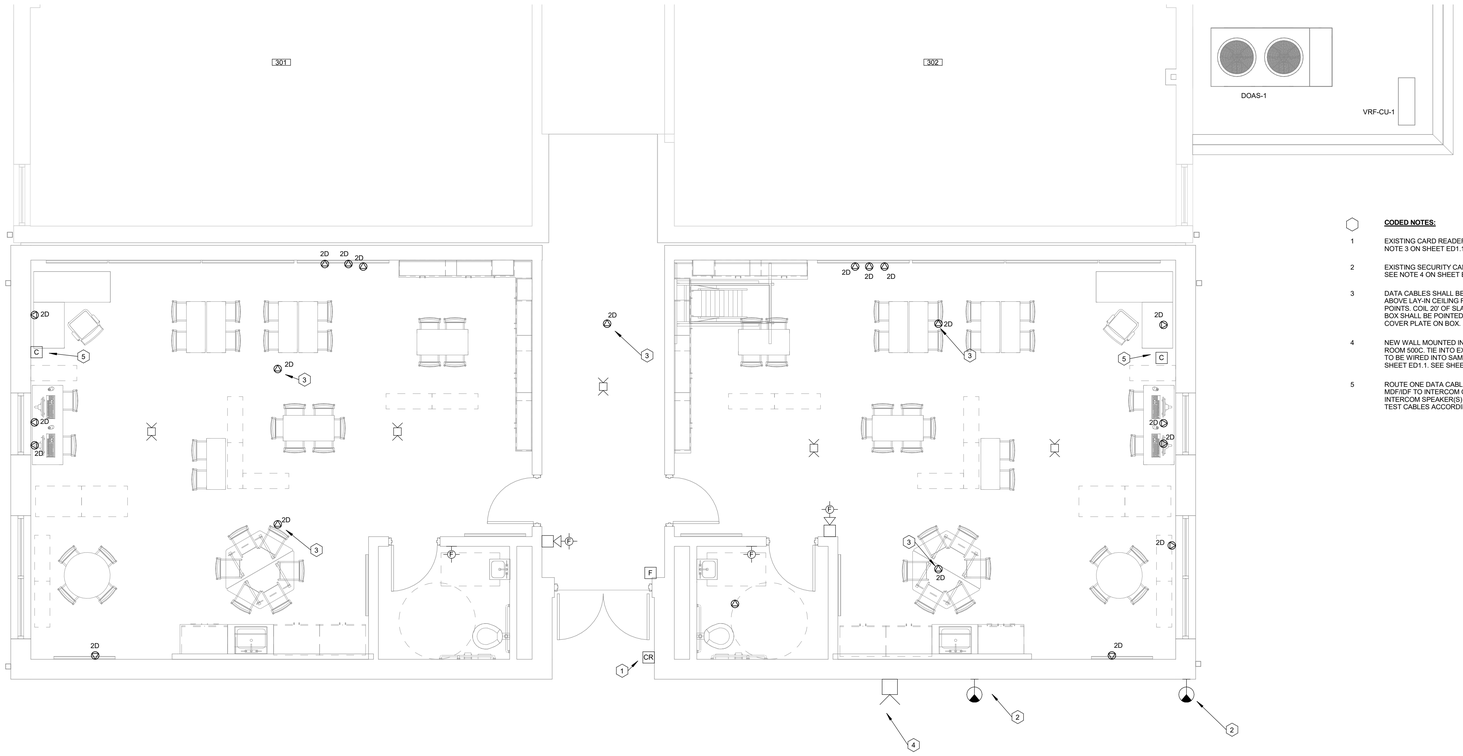
#	DATE	DESCRIPTION



LOW-VOLTAGE PLAN - AREA A - BASE BID

SCALE: 1/4" = 1'-0"

CODED NOTES:

1. EXISTING CARD READER IS TO BE RELOCATED TO THIS LOCATION. SEE NOTE 3 ON SHEET ED1.1.
2. EXISTING SECURITY CAMERA IS TO BE RELOCATED TO THIS LOCATION. SEE NOTE 4 ON SHEET ED1.1.
3. DATA CABLES SHALL BE TERMINATED ON JACKS IN A 4" X 4" BOX 6" – 12" ABOVE LAY-IN CEILING FOR OWNER PROVIDED WIRELESS ACCESS POINTS. COIL 20' OF SLACK CABLE ABOVE CEILING JUST BEFORE BOX. BOX SHALL BE POINTED DOWN TOWARDS THE FLOOR. INSTALL BLANK COVER PLATE ON BOX.
4. NEW WALL MOUNTED INTERCOM SPEAKER. RUN NEW WIRE BACK TO ROOM 500C. TIE INTO EXISTING CAREHAWK SYSTEM. THIS SPEAKER IS TO BE WIRED INTO SAME PORT AS EXISTING SPEAKER. SEE NOTE 5 ON SHEET ED1.1. SEE SHEET E3.3 FOR LOCATION OF ROOM 500C.
5. ROUTE ONE DATA CABLE FROM INTERCOM SYSTEM SWITCH IN NEAREST MDF/IDF TO INTERCOM CALL-IN SWITCH AND FROM CALL-IN SWITCH TO INTERCOM SPEAKER(S) IN ROOM. PROVIDE ALL TERMINATIONS AND TEST CABLES ACCORDING TO DATA CABLE TESTING PROCEDURES

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

NOTE:

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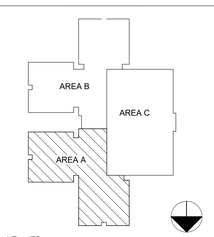
KEY PLAN



SCALE: NTS

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859.271.3246

LOW-VOLTAGE PLAN - AREA A

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
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Construction Manager:
Codell Construction Co.
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	RG
Rev'd By:	WT

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E3.1

LOW-VOLTAGE PLAN - AREA A

DATE ISSUED:
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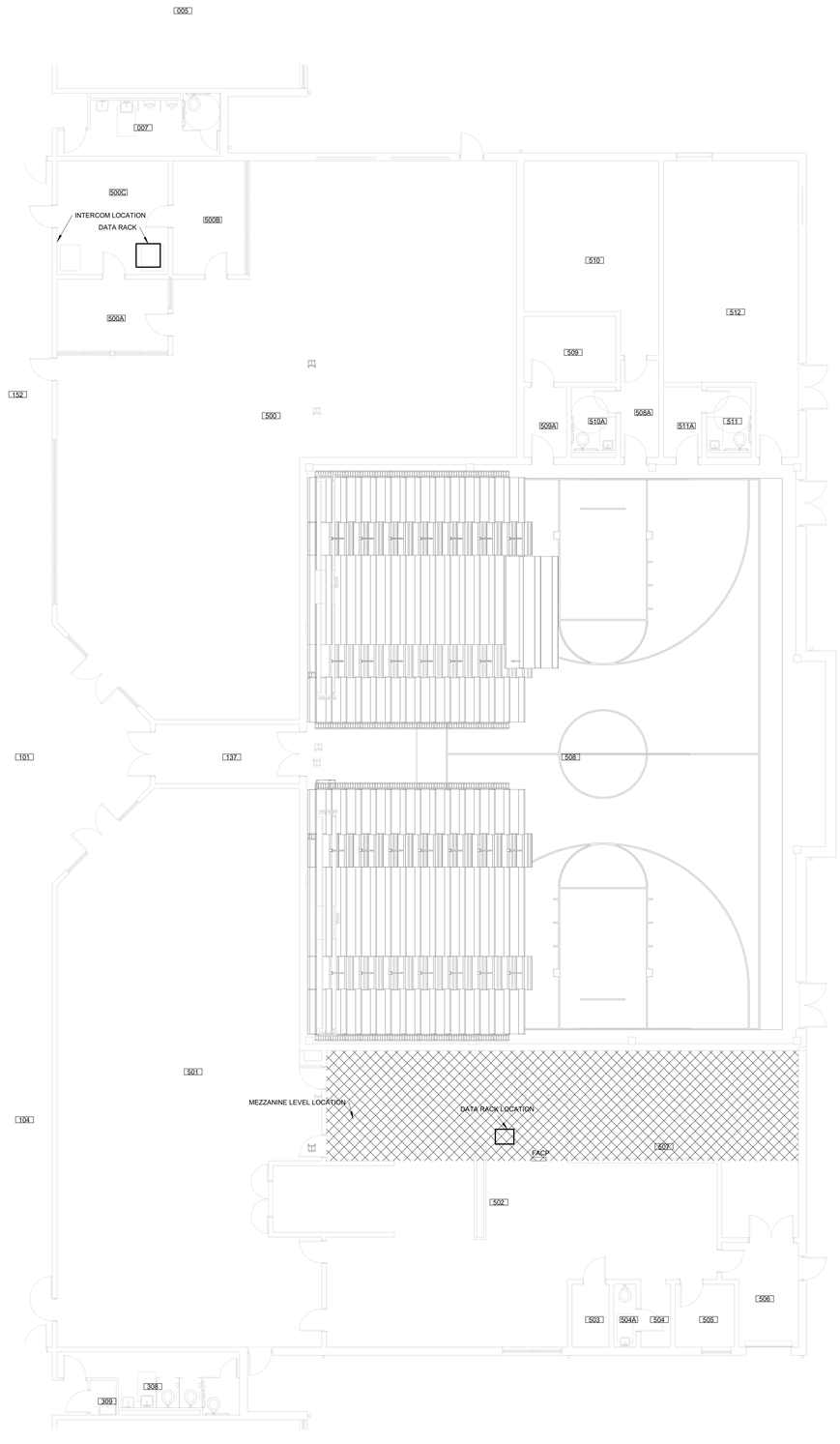
#	DATE	DESCRIPTION



LOW-VOLTAGE PLAN - AREA C

SCALE: 1/8" = 1'-0"

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

rosstarrant architects
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LOW-VOLTAGE PLAN - AREA C

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION

IRVINE, KENTUCKY

M.E.&P Engineer:
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Construction Manager:
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	RG
Rev'd By:	WT

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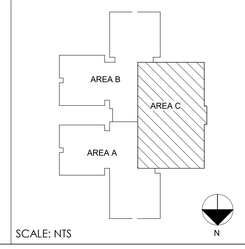
LOW-VOLTAGE PLAN - AREA C

DATE ISSUED:
MARCH 23, 2022

KEY PLAN



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REVISIONS

#	DATE	DESCRIPTION

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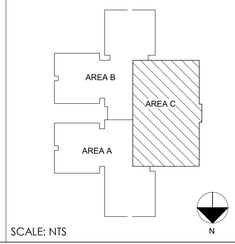
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

LOW-VOLTAGE PLAN - AREA A - MEZZANINE - BASE BID
SCALE: 1/4" = 1'-0"

KEY PLAN



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859.271.3246

LOW-VOLTAGE PLAN - AREA A - MEZZANINE

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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LOW-VOLTAGE PLAN - AREA A - MEZZANINE

DATE ISSUED:
MARCH 23, 2022

REVISIONS

#	DATE	DESCRIPTION

Branch Panel: H

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22,000
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: SURFACE | **Wires:** 4 | **MCB/MLO Rating:** 225
Enclosure: TYPE 1

Notes:
THIS PANEL SCHEDULE WILL ONLY BE USED IF ALTERNATE 4 IS TAKEN.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECS - CLASSROOM 1	20 A	1	360 VA	180 VA					1	20 A	RECS - CLASSROOM 1	2
3	RECS - CLASSROOM 1	20 A	1			720 VA	720 VA			1	20 A	RECS - CLASSROOM 1	4
5	RECS - CLASSROOM 1	20 A	1					540 VA	720 VA	1	20 A	RECS - CLASSROOM 1	6
7	RECS - CLASSROOM 2	20 A	1	360 VA	180 VA					1	20 A	RECS - CLASSROOM 2	8
9	RECS - CLASSROOM 2	20 A	1			540 VA	360 VA			1	20 A	RECS - CLASSROOM 2	10
11	RECS - CLASSROOM 2	20 A	1					360 VA	720 VA	1	20 A	RECS - CLASSROOM 2	12
13	RECS - CLASSROOM 3	20 A	1	900 VA	720 VA					1	20 A	RECS - CLASSROOM 3	14
15	RECS - CLASSROOM 3	20 A	1			720 VA	900 VA			1	20 A	RECS - CLASSROOM 3	16
17	RECS - CLASSROOM 3	20 A	1					900 VA	720 VA	1	20 A	RECS - CLASSROOM 4	18
19	RECS - CLASSROOM 4	20 A	1	900 VA	720 VA					1	20 A	RECS - CLASSROOM 4	20
21	RECS - CLASSROOM 4	20 A	1			900 VA	900 VA			1	20 A	RECS - CLASSROOM 4	22
23	RECS - CORRIDOR	20 A	1					720 VA	0 VA	2	20 A	HVAC - AHU 141	24
25	HVAC - AHU 139	20 A	2	0 VA	0 VA								26
27						0 VA	0 VA			2	20 A	HVAC - AHU 141	28
29	HVAC - AHU 139	20 A	2					0 VA	0 VA				30
31				0 VA	0 VA								32
33						0 VA	0 VA			3	20 A	HVAC - VRFCU-1	34
35	OUTDOOR DOAS	20 A	3					0 VA	0 VA				36
37				0 VA	0 VA								38
39	DOOR POWER SUPPLY	20 A	1			0 VA	0 VA			3	20 A	INDOOR DOAS	40
41	RECS - MECH YARD	20 A	1					180 VA	0 VA				42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
			Total Load:	4320 VA		5760 VA		4860 VA					
			Total Amps:	36 A		49 A		41 A					

Branch Panel: H

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22,000
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: SURFACE | **Wires:** 4 | **MCB/MLO Rating:** 225
Enclosure: TYPE 1

Notes:
THIS PANELBOARD SCHEDULE WILL ONLY BE USED IF ALTERNATE 5 IS TAKEN.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECS - CLASSROOM 1	20 A	1	360 VA	180 VA					1	20 A	RECS - CLASSROOM 1	2
3	RECS - CLASSROOM 1	20 A	1			720 VA	720 VA			1	20 A	RECS - CLASSROOM 1	4
5	RECS - CLASSROOM 1	20 A	1					540 VA	720 VA	1	20 A	RECS - CLASSROOM 1	6
7	RECS - CLASSROOM 2	20 A	1	360 VA	180 VA					1	20 A	RECS - CLASSROOM 2	8
9	RECS - CLASSROOM 2	20 A	1			540 VA	360 VA			1	20 A	RECS - CLASSROOM 2	10
11	RECS - CLASSROOM 2	20 A	1					360 VA	720 VA	1	20 A	RECS - CLASSROOM 2	12
13	RECS - CLASSROOM 3	20 A	1	900 VA	720 VA					1	20 A	RECS - CLASSROOM 3	14
15	RECS - CLASSROOM 3	20 A	1			720 VA	900 VA			1	20 A	RECS - CLASSROOM 3	16
17	RECS - CLASSROOM 3	20 A	1					900 VA	720 VA	1	20 A	RECS - CLASSROOM 4	18
19	RECS - CLASSROOM 4	20 A	1	900 VA	720 VA					1	20 A	RECS - CLASSROOM 4	20
21	RECS - CLASSROOM 4	20 A	1			900 VA	900 VA			1	20 A	RECS - CLASSROOM 4	22
23	RECS - CORRIDOR	20 A	1					720 VA	0 VA	2	20 A	HVAC - AHU 141	24
25	HVAC - AHU 139	20 A	2	0 VA	0 VA								26
27						0 VA	0 VA			2	20 A	HVAC - AHU 141	28
29	HVAC - AHU 139	20 A	2					0 VA	0 VA				30
31				0 VA	0 VA								32
33						0 VA	0 VA			3	20 A	HVAC - VRFCU1	34
35	OUTDOOR DOAS	20 A	3					0 VA	0 VA				36
37				0 VA	0 VA								38
39	DOOR POWER SUPPLY	20 A	1			0 VA	0 VA			3	20 A	INDOOR DOAS	40
41	RECS - MECH YARD	20 A	1					180 VA	0 VA				42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
			Total Load:	4320 VA		5760 VA		4860 VA					
			Total Amps:	36 A		49 A		41 A					

Branch Panel: PANELBOARD G

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22,000
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: SURFACE / RECESSED | **Wires:** 4 | **MCB/MLO Rating:** 100
Enclosure: TYPE 1

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXISITNG CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISITNG CIRCUIT	2
3	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	4
5	EXISITNG CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISITNG CIRCUIT	6
7	EXISITNG CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISITNG CIRCUIT	8
9	EXISITNG CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISITNG CIRCUIT	10
11	EXISITNG CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISITNG CIRCUIT	12
13	SPARE	20 A	1	0 VA	0 VA					2	30 A	EXISITNG CIRCUIT	14
15	EXISITNG CIRCUIT	20 A	1			0 VA	0 VA						16
17	EXISITNG CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISITNG CIRCUIT	18
19				0 VA	0 VA					1	20 A	SPARE	20
21	EXISITNG CIRCUIT	20 A	3			0 VA	0 VA			2	30 A	SPARE	22
23								0 VA	0 VA				24
25	NEW EXTERIOR LIGHTING	20 A	2	652 VA	256 VA					2	20 A	LTG - AMPITHEATER	26
27						652 VA	256 VA						28
29	LTG - WALKWAY BOLLARDS	20 A	1					120 VA	248 VA	1	20 A	LTG - WALKWAY BOLLARDS AND ARCH	30
31	LTG - AMPITHEATER SEATING	20 A	1	195 VA									32
33													34
35													36
37													38
39													40
41													42
			Total Load:	1103 VA		908 VA		368 VA					
			Total Amps:	10 A		8 A		3 A					

Branch Panel: H

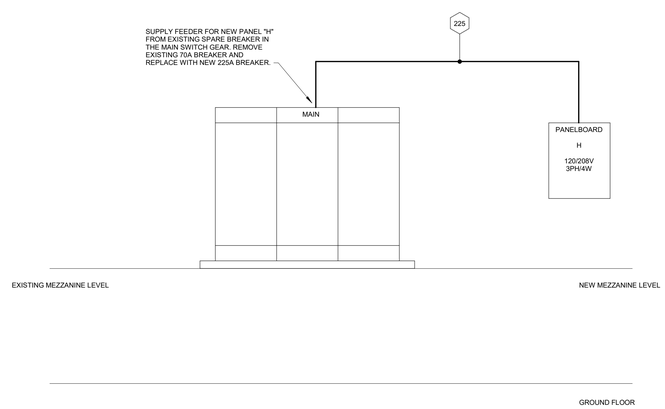
Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22,000
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: SURFACE | **Wires:** 4 | **MCB/MLO Rating:** 225
Enclosure: TYPE 1

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECS -	20 A	1	360 VA	180 VA					1	20 A	RECS -	2
3	RECS -	20 A	1			540 VA	360 VA			1	20 A	RECS -	4
5	RECS -	20 A	1					540 VA	540 VA	1	20 A	RECS -	6
7	RECS -	20 A	1	360 VA	180 VA					1	20 A	RECS -	8
9	RECS -	20 A	1			540 VA	360 VA			1	20 A	RECS -	10
11	RECS -	20 A	1					540 VA	540 VA	1	20 A	RECS -	12
13	RECS -	20 A	1	360 VA	0 VA					1	20 A	POWER	14
15	HVAC - AU139	20 A	2			0 VA	0 VA			2	20 A	HVAC - AU141	16
17								0 VA	0 VA				18
19				0 VA	0 VA					2	20 A	HVAC - VRFCU-1	20
21	HVAC - DOAS INDOOR	20 A	3			0 VA	0 VA						22
23								0 VA	0 VA				24
25	RECS - MEZZANINE	20 A	1	180 VA	0 VA					3	20 A	HVAC - DOAS OUTDOOR	26
27	RECS - MECH YARD	20 A	1			180 VA	0 VA						28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
			Total Load:	1620 VA		1980 VA		2160 VA					
			Total Amps:	14 A		17 A		18 A					

FEEDER AND BRANCH CIRCUIT SCHEDULE

NO.	CONDUCTORS THWN/THHN COPPER
20	4#12 & 1#12 GND. IN 3/4" CONDUIT.
30	4#10 & 1#10 GND. IN 3/4" CONDUIT.
40	4#8 & 1#10 GND. IN 1" CONDUIT.
45	4#6 & 1#10 GND. IN 1" CONDUIT.
50	4#6 & 1#10 GND. IN 1" CONDUIT.
60	4#4 & 1#8 GND. IN 1-1/4"" CONDUIT.
70	4#4 & 1#8 GND. IN 1-1/4" CONDUIT.
80	4#3 & 1#8 GND. IN 1-1/4" CONDUIT.
90	4#2 & 1#8 GND. IN 1-1/4" CONDUIT.
100	4#1 & 1#6 GND. IN 1-1/2" CONDUIT.
110	4#1 & 1#6 GND. IN 1-1/2" CONDUIT.
125	4#1 & 1#6 GND. IN 1-1/2" CONDUIT.
150	4#1/0 & 1#6 GND. IN 2" CONDUIT.
175	4#2/0 & 1#6 GND. IN 2" CONDUIT.
200	4#3/0 & 1#6 GND. IN 2" CONDUIT.
225	4#4/0 & 1#4 GND. IN 2-1/2" CONDUIT.
250	4-250MCM & 1#4 GND. IN 3" CONDUIT.
300	4-350MCM & 1#3 GND. IN 3" CONDUIT.
350	4-500MCM & 1#2 GND. IN 3-1/2" CONDUIT.
400	4-500MCM & 1#3 GND. IN 3-1/2" CONDUIT.
500	4-250MCM & 1#2 GND. IN EACH OF TWO (2) 2-1/2" CONDUITS.
600	4-350MCM & 1#1 GND. IN EACH OF TWO (2) 3" CONDUITS.
700	4-500MCM & 1#1/0 GND. IN EACH OF TWO (2) 3-1/2" CONDUITS.
800	4-500MCM & 1#1/0 GND. IN EACH OF TWO (2) 3 1/2" CONDUITS.
900	4-350MCM & 1#2/0 GND. IN EACH OF THREE (3) 3" CONDUITS.
1000	4-400MCM & 1#3/0 GND. IN EACH OF THREE (3) 3-1/2" CONDUITS.
1200	4-350MCM & 1#3/0 GND. IN EACH OF FOUR (4) 3" CONDUITS.
1400	4-500MCM & 1#4/0 GND. IN EACH OF FOUR (4) 3-1/2" CONDUITS.
1600	4-500MCM & 1#4/0 GND. IN EACH OF FIVE (5) 3-1/2" CONDUITS.
1800	4-500MCM & 1-250MCM GND. IN EACH OF FIVE (5) 3-1/2" CONDUITS.
2000	4-500MCM & 1-250MCM GND. IN EACH OF SIX (6) 3-1/2" CONDUITS.
2500	4-500MCM & 1-350MCM GND. IN EACH OF SEVEN (7) 3-1/2" CONDUITS.
3000	4-500MCM & 1-500MCM GND. IN EACH OF ELEVEN (11) 3-1/2" CONDUITS.
20 N	DESIGNATES THAT THE NEUTRAL CONDUCTOR IS NOT REQUIRED.
	ADJUST QUANTITY OF WIRES FOR BRANCH CIRCUITS IN ACCORDANCE WITH CIRCUIT BREAKER SIZE SHOWN IN PANEL SCHEDULES.
	INCREASE WIRE SIZE TO THE NEXT WIRE SIZE FOR BRANCH CIRCUITS OVER 150 FEET.
	INCREASE WIRE SIZE TO NEXT WIRE SIZE FOR EVERY ADDITIONAL 150 FEET.



ELECTRICAL DISTRIBUTION SYSTEM RISER DIAGRAM

SCALE: NONE

NOTE:
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ELECTRICAL DISTRIBUTION SYSTEM RISER & PANEL SCHEDULES

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

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Construction Manager:
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BG# 22-207

Project No:	2148
Drawn By:	RG
Rev'd By:	WT

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ELECTRICAL DISTRIBUTION SYSTEM RISER & PANEL SCHEDULES

DATE ISSUED:
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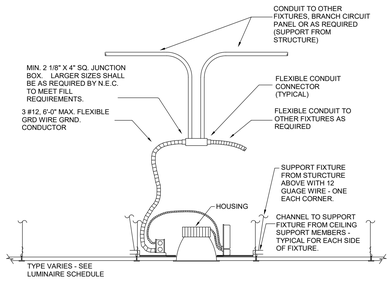
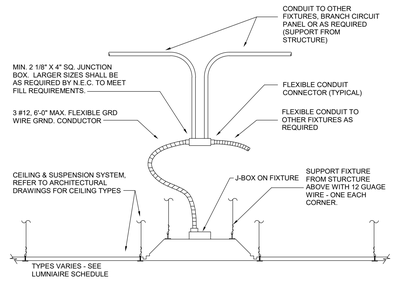


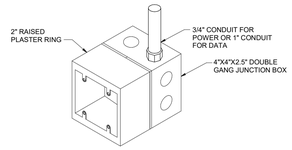
RECESSED LUMINAIRE CONNECTION

SCALE: NONE



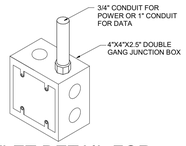
LUMINAIRE CONNECTION DETAIL

SCALE: NONE



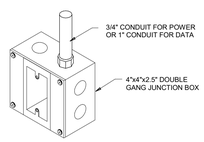
OUTLET DETAIL WITH PLASTER RINGFOR MASONRY APPLICATION

SCALE: NONE



OUTLET DETAIL FOR DRYWALL APPLICATION

SCALE: NONE



OUTLET DETAIL WITH PLASTER RING FOR DRYWALL APPLICATION

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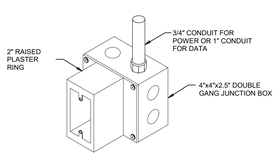

OUTLET DETAIL WITH PLASTER RING FOR MASONRY APPLICATION

SCALE: NONE

NOTE:

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ELECTRICAL DETAILS

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION

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Construction Manager:
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BG# 22-207

Project No:	2148
Drawn By:	RG
Rev'd By:	WT

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ELECTRICAL DETAILS

DATE ISSUED:
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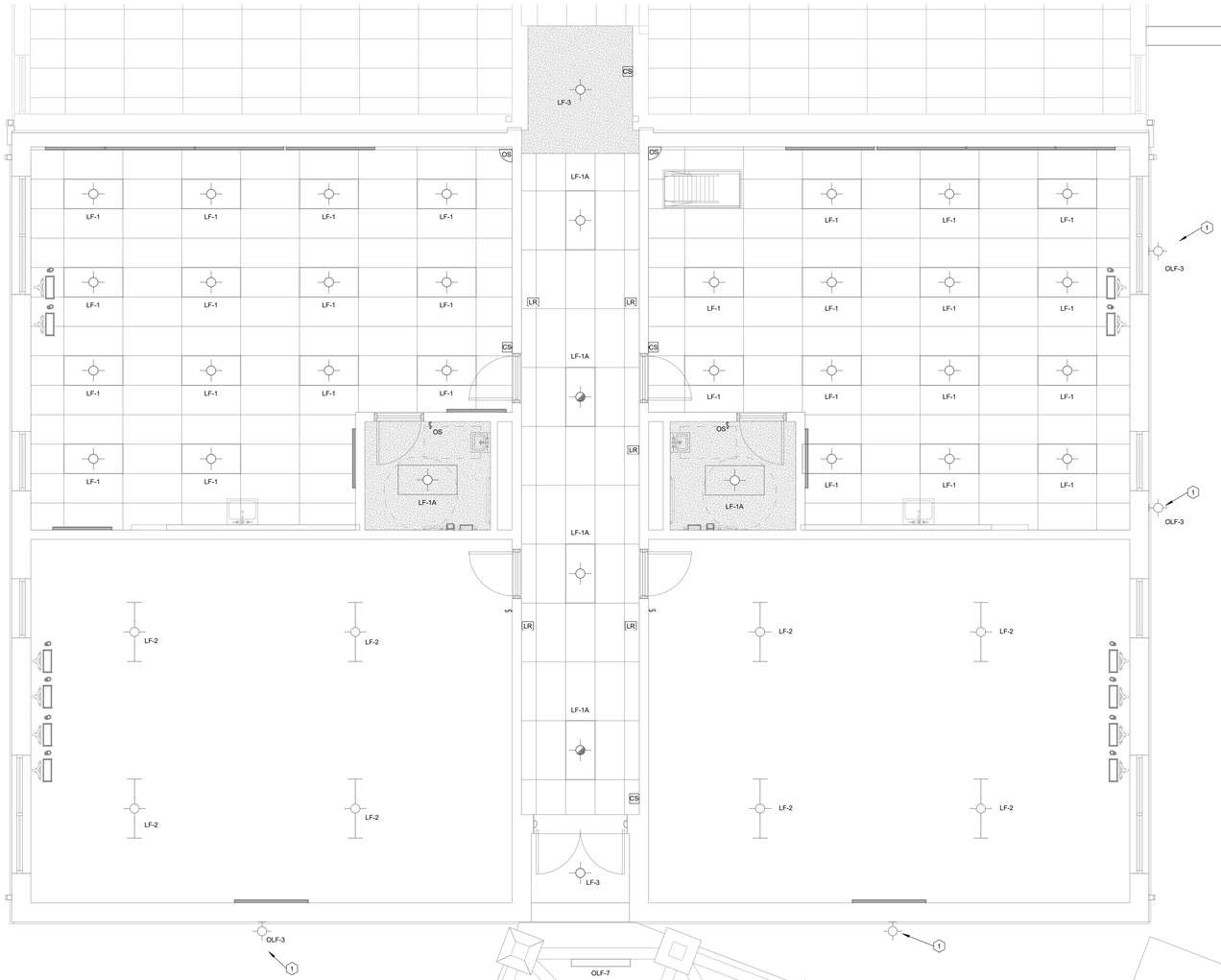
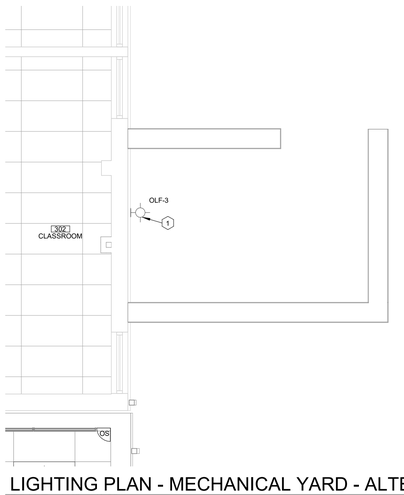
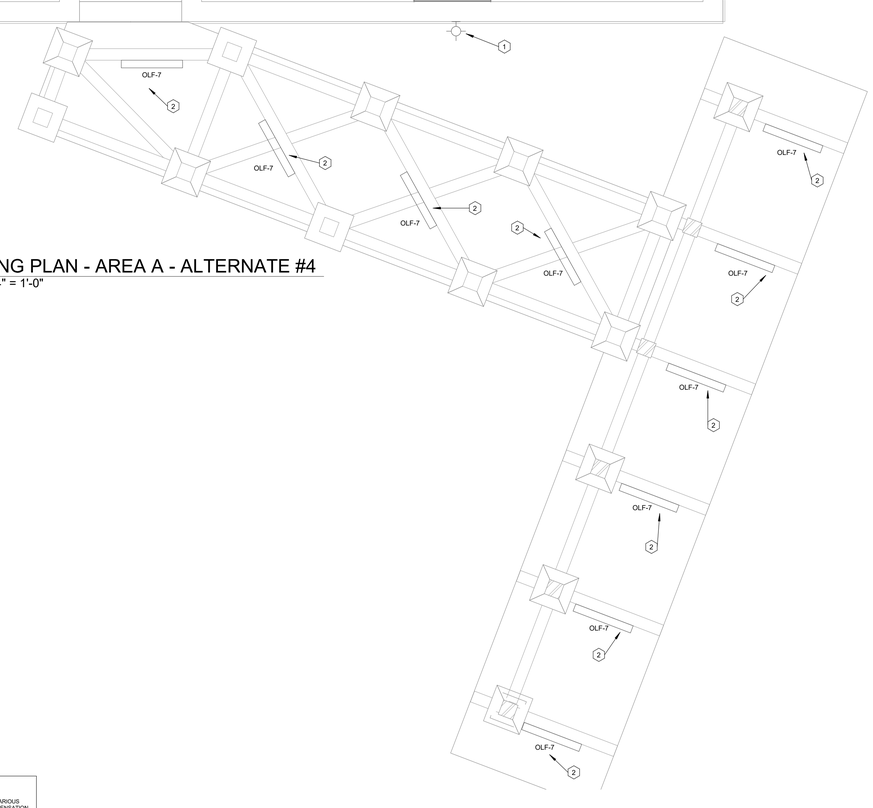




LIGHTING PLAN - MECHANICAL YARD - ALTERNATE #4
SCALE: 1/4" = 1'-0"



LIGHTING PLAN - AREA A - ALTERNATE #4
SCALE: 1/4" = 1'-0"

CODED NOTES:

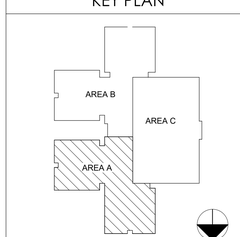
1 LIGHT FIXTURE IS TO BE MOUNTED AT 9'-0" ABOVE FINISHED GRADE.

2 LIGHT FIXTURE IS TO BE MOUNTED ON STEEL FRAME.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

KEY PLAN



SCALE: NTS

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LIGHTING PLAN - AREA A - ALTERNATE #4

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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Structural Engineer:
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Construction Manager:
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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LIGHTING PLAN - AREA A - ALTERNATE #4

DATE ISSUED:
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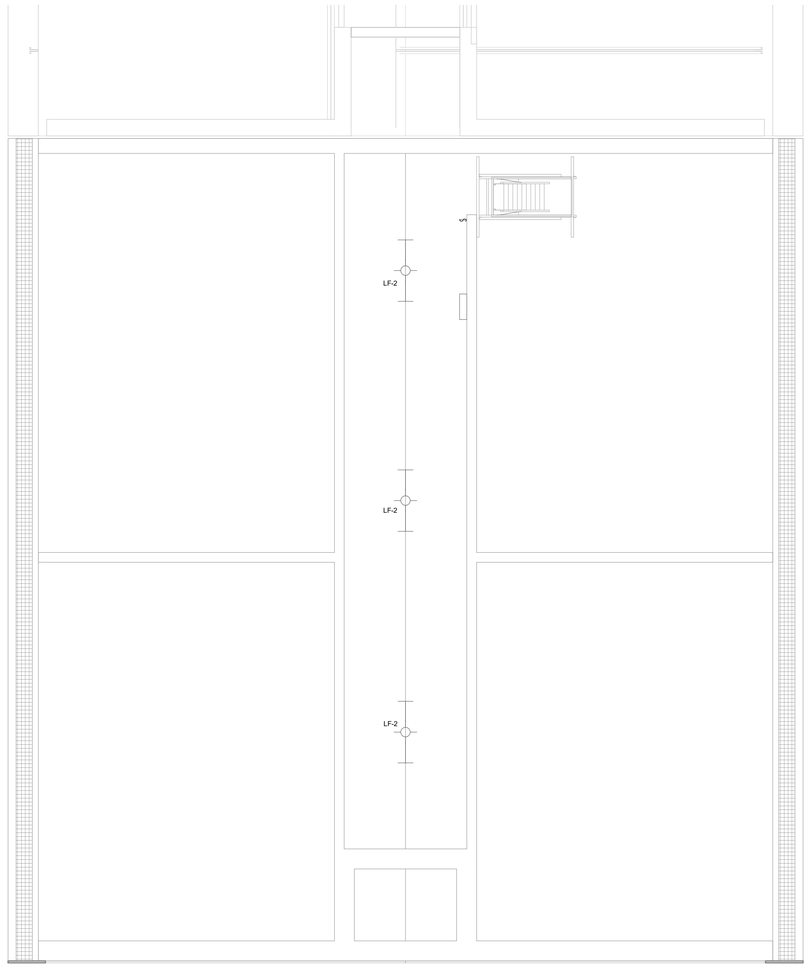

LIGHTING PLAN - AREA A - MEZZANINE - ALTERNATE #4
SCALE: 1/4" = 1'-0"

NOTE:

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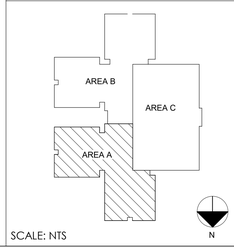
KEY PLAN



SCALE: NTS

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LIGHTING PLAN - AREA A - MEZZANINE - ALTERNATE #4

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BG# 22-207

Project No:	2148
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LIGHTING PLAN - AREA A - MEZZANINE - ALTERNATE #4

DATE ISSUED:
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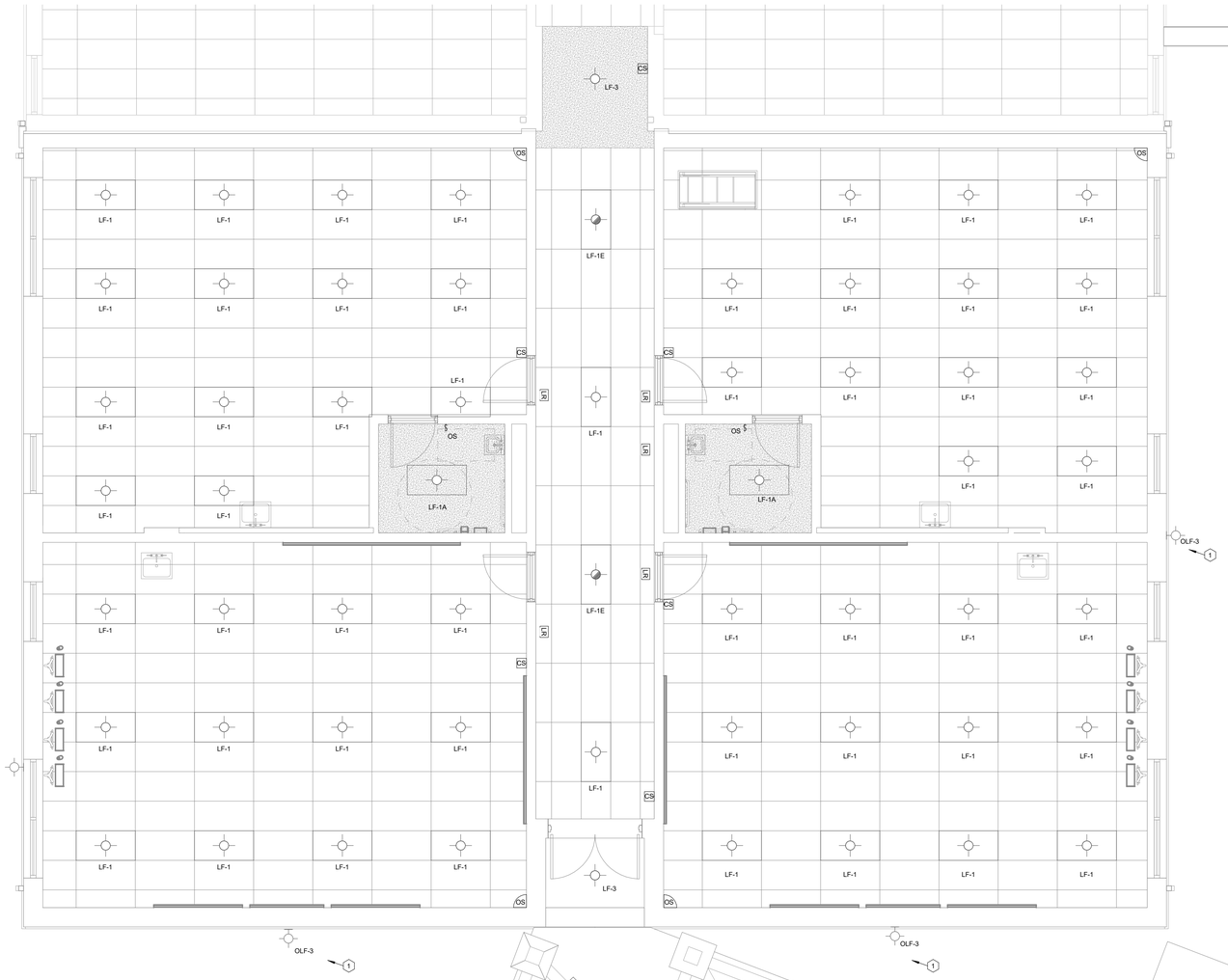
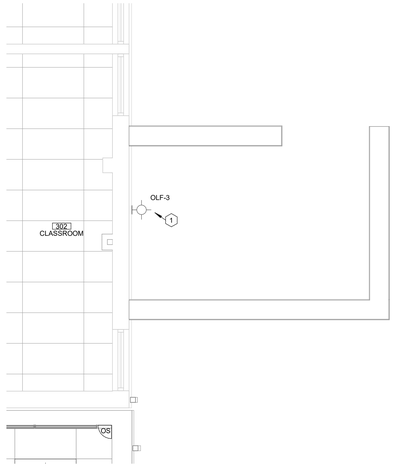
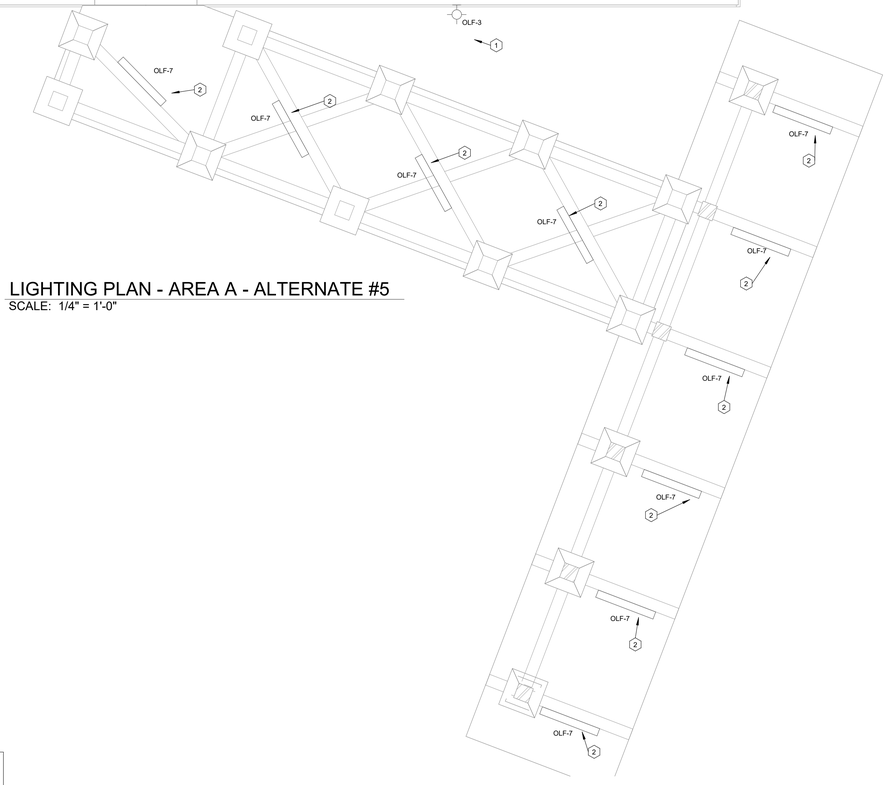
#	DATE	DESCRIPTION





LIGHTING PLAN - MECHANICAL YARD - ALTERNATE #5
SCALE: 1/4" = 1'-0"



LIGHTING PLAN - AREA A - ALTERNATE #5
SCALE: 1/4" = 1'-0"

CODED NOTES:

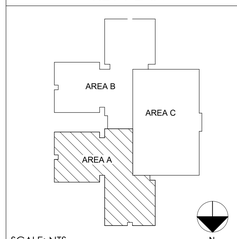
1 LIGHT FIXTURE IS TO BE MOUNTED AT 9'-0" ABOVE FINISHED GRADE.

2 LIGHT FIXTURE IS TO BE MOUNTED ON STEEL FRAME.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

KEY PLAN



SCALE: NTS

NOTE:

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LIGHTING PLAN - AREA A - ALTERNATE #5

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Structural Engineer:
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p 615.255.55347

Construction Manager:
Codell Construction Co.
P.O. Box 17
Winchester, Kentucky 40392
p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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LIGHTING PLAN - AREA A - ALTERNATE #5

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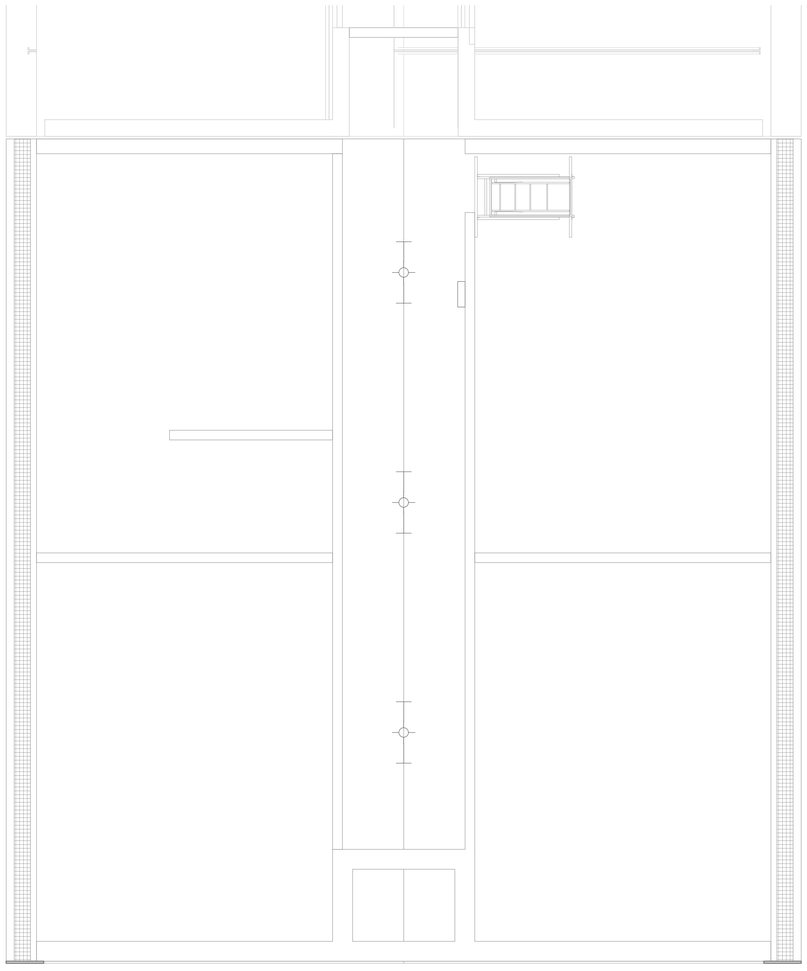

LIGHTING PLAN - AREA A - MEZZANINE - ALTERNATE #5
SCALE: 1/4" = 1'-0"

NOTE:

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LIGHTING PLAN - AREA A - MEZZANINE - ALTERNATE #5

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LIGHTING PLAN - AREA A - MEZZANINE - ALTERNATE #5

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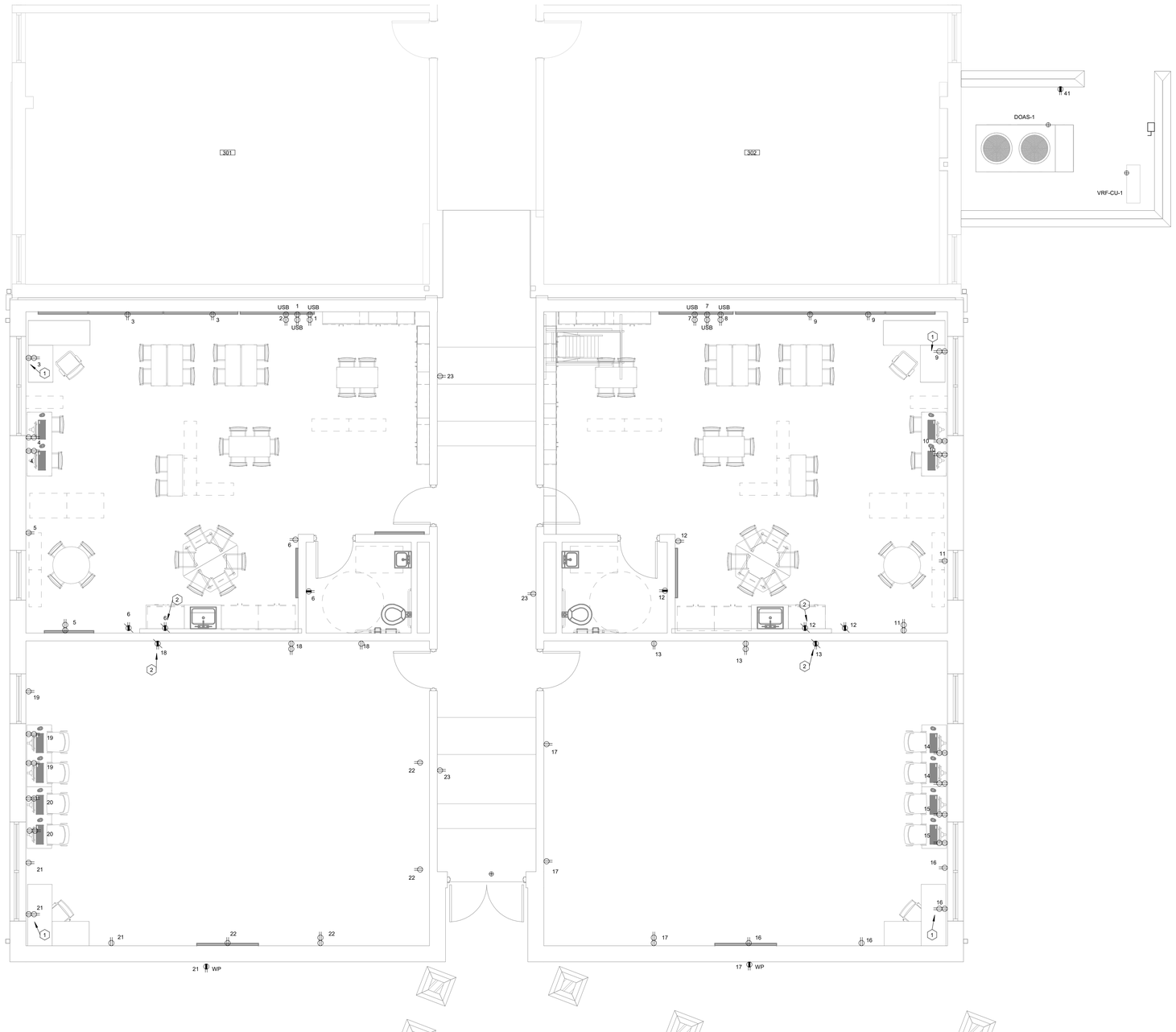

POWER PLAN - AREA A - ALTERNATE #4
SCALE: 1/4" = 1'-0"

CODED NOTES:

1 INSTALL RECEPTACLE IN KNEE SPACE OF DESK. COORDINATE WITH CASEWORK SHOP DRAWINGS.

2 INSTALL RECEPTACLES 2" ABOVE BACKSPLASH/COUNTER. REFER TO ARCHITECTURAL DRAWINGS AND APPROVED CASEWORK SHOP DRAWINGS.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
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102	CLASSROOM
103	CLASSROOM
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104	CORRIDOR
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156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
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202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
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208	GIRL'S RR
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303	CLASSROOM
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500B	WORKROOM
500C	STOR.
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502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

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POWER PLAN - AREA A - ALTERNATE #4

FOR:

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Structural Engineer:
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p 615.255.55347

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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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POWER PLAN - AREA A - ALTERNATE #4

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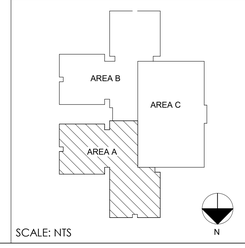
KEY PLAN



SCALE: NTS

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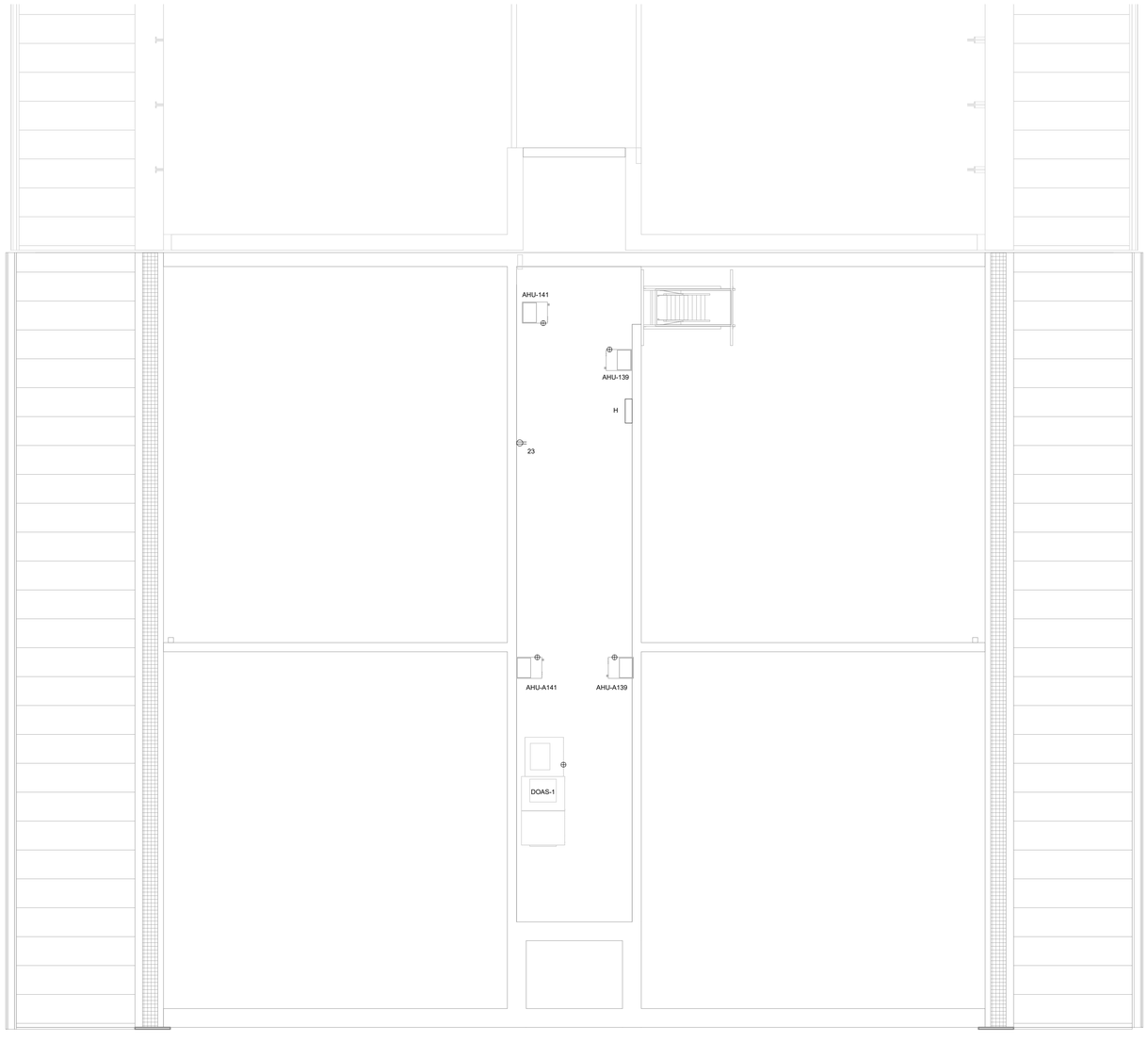

POWER PLAN - AREA A MEZZANINE - ALTERNATE #4
SCALE: 1/4" = 1'-0"

NOTE:

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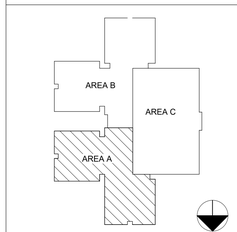
KEY PLAN



SCALE: NTS

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POWER PLAN - AREA A - MEZZANINE - ALTERNATE #4

FOR:

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BG# 22-207

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POWER PLAN - AREA A - MEZZANINE - ALTERNATE #4

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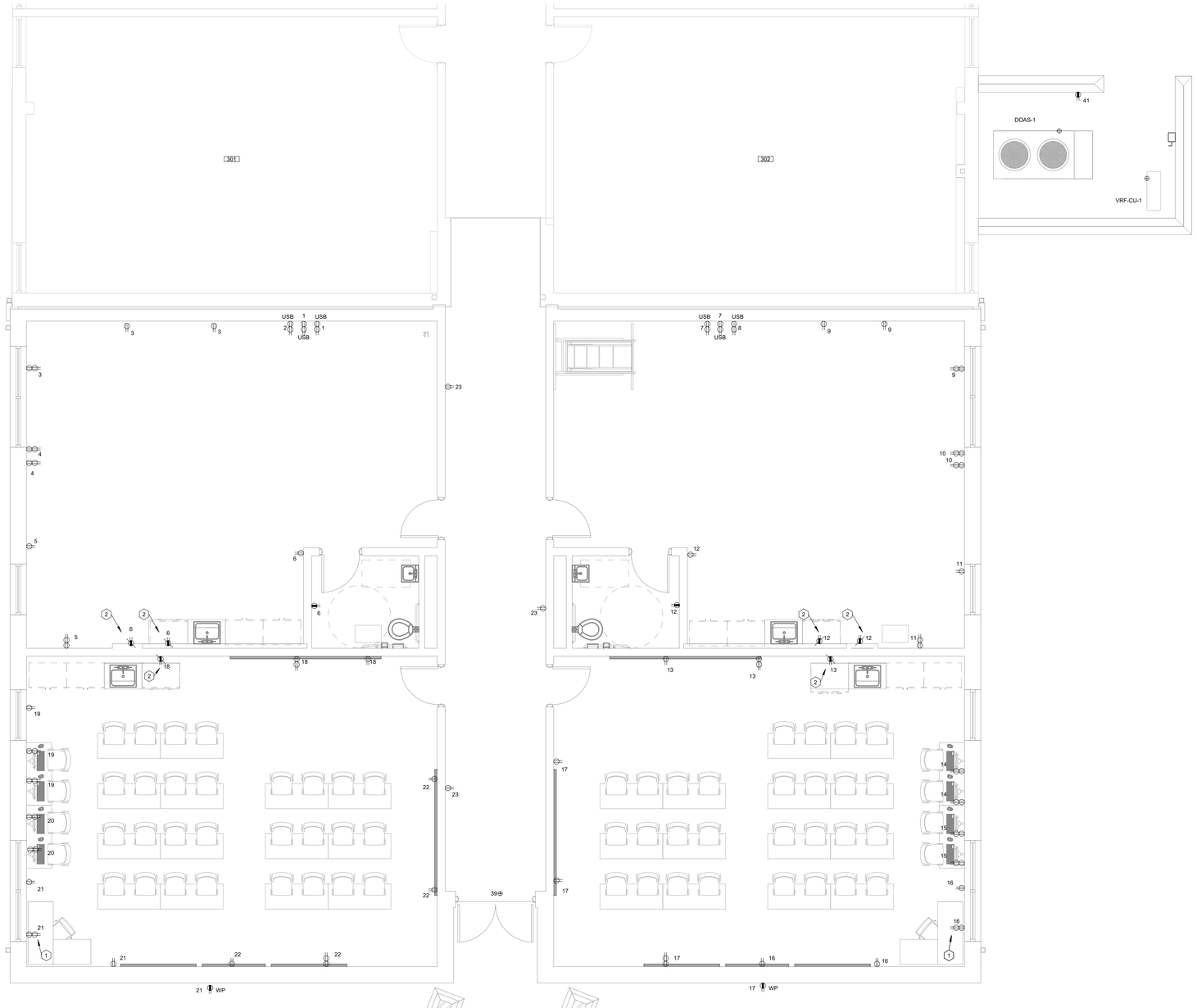

POWER PLAN - AREA A - ALTERNATE #5

SCALE: 1/4" = 1'-0"

CODED NOTES:

1 INSTALL RECEPTACLE IN KNEE SPACE OF DESK. COORDINATE WITH CASEWORK SHOP DRAWINGS.

2 INSTALL RECEPTACLES 2" ABOVE BACKSPLASH/COUNTER. REFER TO ARCHITECTURAL DRAWINGS AND APPROVED CASEWORK SHOP DRAWINGS.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
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105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
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203	CLASSROOM
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205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
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208	GIRL'S RR
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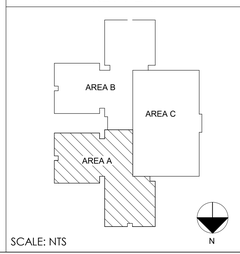
KEY PLAN



SCALE: NTS

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POWER PLAN - AREA A - ALTERNATE #5

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FOR:

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Rev'd By:	Checker

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POWER PLAN - AREA A - ALTERNATE #5

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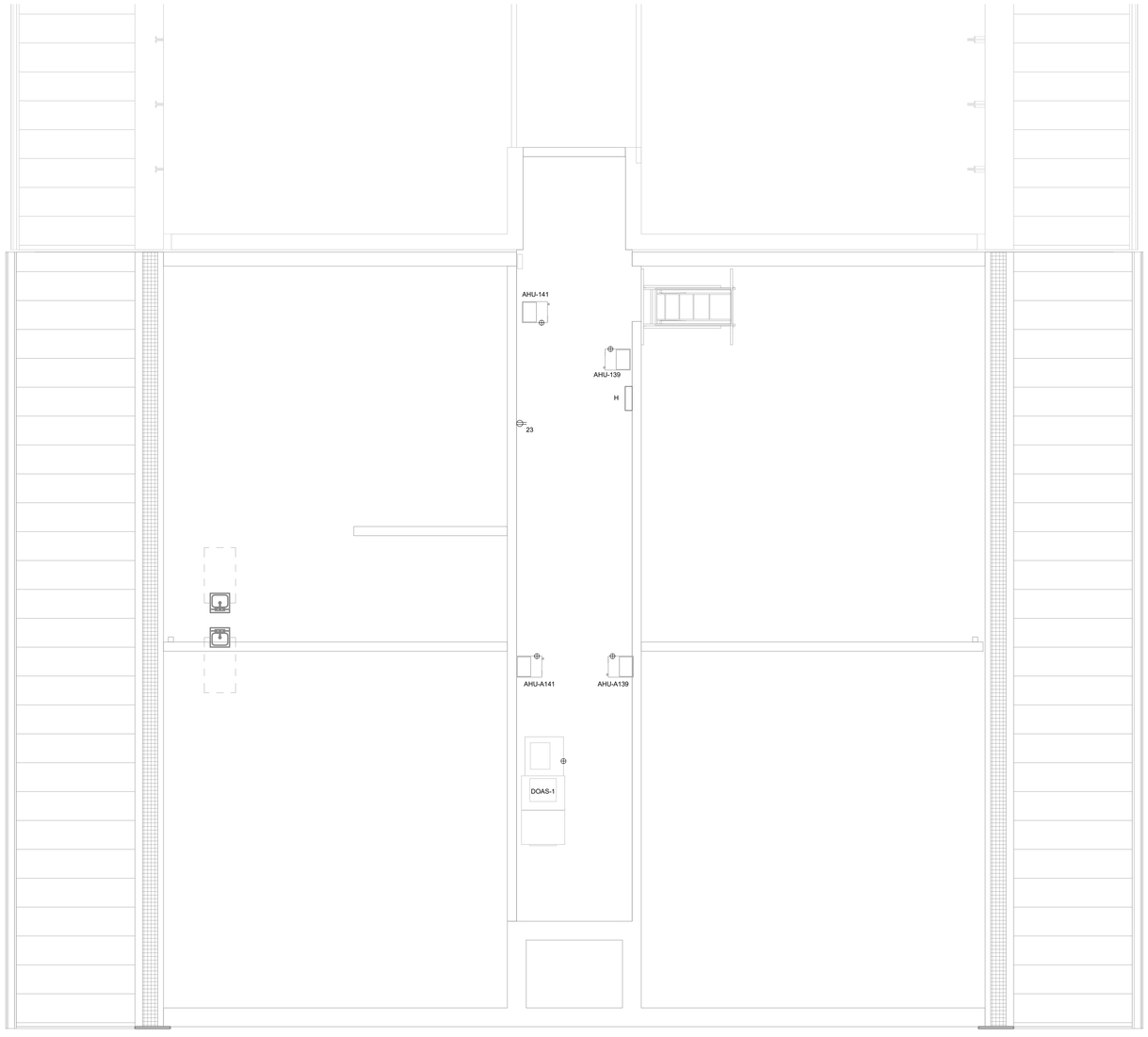

POWER PLAN - AREA A - MEZZANINE - ALTERNATE #5
SCALE: 1/4" = 1'-0"

NOTE:

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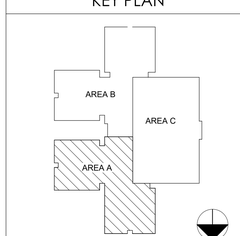
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
405	RECORDS
406	OFFICE
407	ADMIN RECEPTION
408	FIRST AID
408A	RR
409	FRC
410	OFFICE
411	SBDM OFFICE
412	WORKROOM
413	SBDM CONFERENCE
414	FMD
414A	RESTROOM
500	MEDIA CENTER
500A	OFFICE
500B	WORKROOM
500C	STOR.
501	CAFETERIA
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

KEY PLAN



SCALE: NTS

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

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STAGGS & FISHER CONSULTING ENGINEERS, INC.
3264 Lochness Drive
Lexington KY 40517
859.271.3246

POWER PLAN - AREA A - MEZZANINE - ALTERNATE #5
FOR:
ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES
ESTILL COUNTY BOARD OF EDUCATION
IRVINE, KENTUCKY

M.E.&P Engineer:
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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POWER PLAN - AREA A - MEZZANINE - ALTERNATE #5

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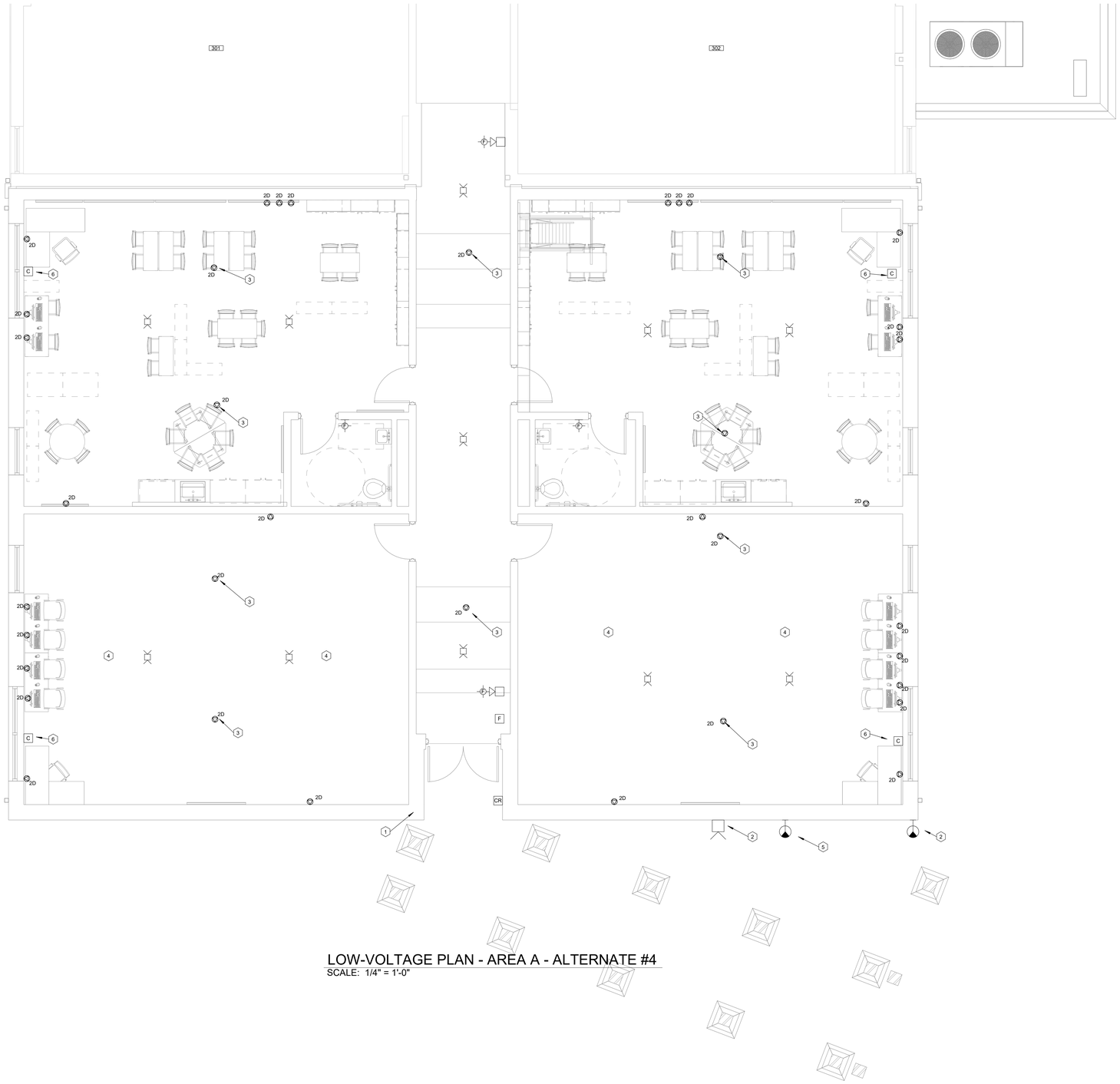

LOW-VOLTAGE PLAN - AREA A - ALTERNATE #4

SCALE: 1/4" = 1'-0"

CODED NOTES:

1. EXISTING CARD READER IS TO BE RELOCATED TO THIS LOCATION. SEE NOTE 3 ON SHEET ED1.1.
2. EXISTING SECURITY CAMERA IS TO BE RELOCATED TO THIS LOCATION. SEE NOTE 4 ON SHEET ED1.1.
3. DATA CABLES SHALL BE TERMINATED ON JACKS IN A 4" X 4" BOX 6" – 12" ABOVE LAY-IN CEILING FOR OWNER PROVIDED WIRELESS ACCESS POINTS. COIL 20' OF SLACK CABLE ABOVE CEILING JUST BEFORE BOX. BOX SHALL BE POINTED DOWN TOWARDS THE FLOOR. INSTALL BLANK COVER PLATE ON BOX.
4. PROVIDE AND INSTALL ROUGH-IN ONLY FOR ALL FIXTURES IN THIS ROOM.
5. NEW WALL MOUNTED INTERCOM SPEAKER. RUN NEW WIRE BACK TO ROOM 500C. TIE INTO EXISTING CAREHAWK SYSTEM. THIS SPEAKER IS TO BE WIRED INTO SAME PORT AS EXISTING SPEAKER. SEE NOTE 5 ON SHEET ED1.1. SEE SHEET E3.3 FOR LOCATION OF ROOM 500C.
6. ROUTE ONE DATA CABLE FROM INTERCOM SYSTEM SWITCH IN NEAREST MDF/IDF TO INTERCOM CALL-IN SWITCH AND FROM CALL-IN SWITCH TO INTERCOM SPEAKER(S) IN ROOM. PROVIDE ALL TERMINATIONS AND TEST CABLES ACCORDING TO DATA CABLE TESTING PROCEDURES

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
201	CLASSROOM
202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOY'S RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
404A	OFFICE
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407	ADMIN RECEPTION
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414A	RESTROOM
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500A	OFFICE
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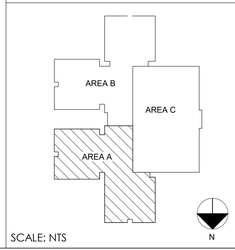
502	KITCHEN
503	LAUNDRY
504	LOCKERS
504A	TOILET
505	OFFICE
506	RECEIVING
507	DRY FOOD
508	GYMNASIUM
508A	VESTIBULE
509	OFFICE
509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

KEY PLAN



SCALE: NTS

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

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LOW-VOLTAGE PLAN - AREA A - ALTERNATE #4

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

ESTILL COUNTY BOARD OF EDUCATION
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Structural Engineer:
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Construction Manager:
Codell Construction Co.
P.O. Box 17
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p 859.744.2222

BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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LOW-VOLTAGE PLAN - AREA A - ALTERNATE #4

DATE ISSUED:
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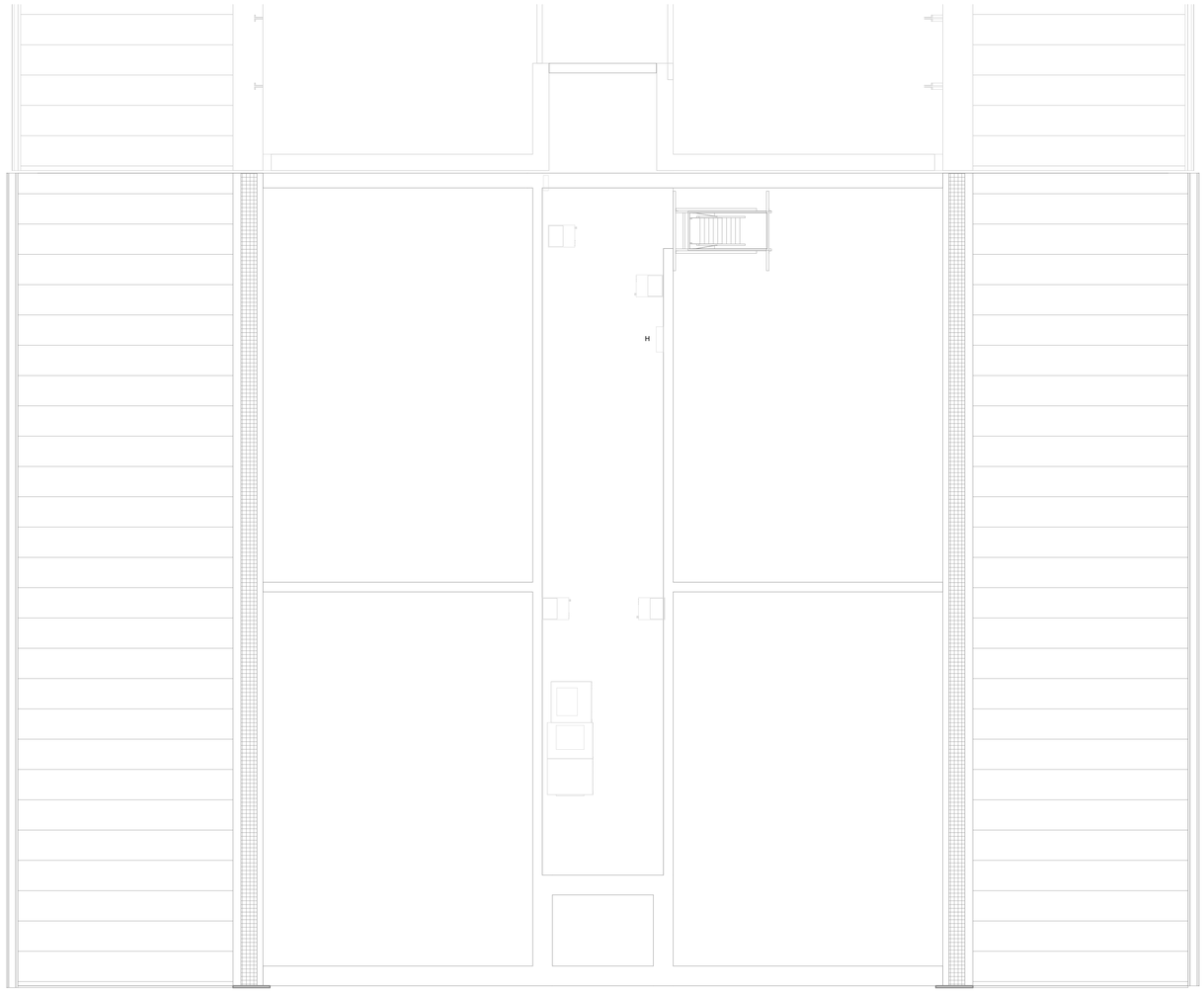
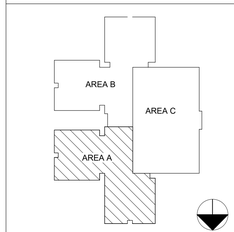


LOW-VOLTAGE PLAN - AREA A - MEZZANINE - ALTERNATE #4
SCALE: 1/4" = 1'-0"

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

KEY PLAN



SCALE: NTS

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LOW-VOLTAGE PLAN - AREA A - MEZZANINE - ALTERNATE #4

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FOR:

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P.O. Box 17
Winchester, Kentucky 40392
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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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LOW-VOLTAGE PLAN - AREA A - MEZZANINE - ALTERNATE #4

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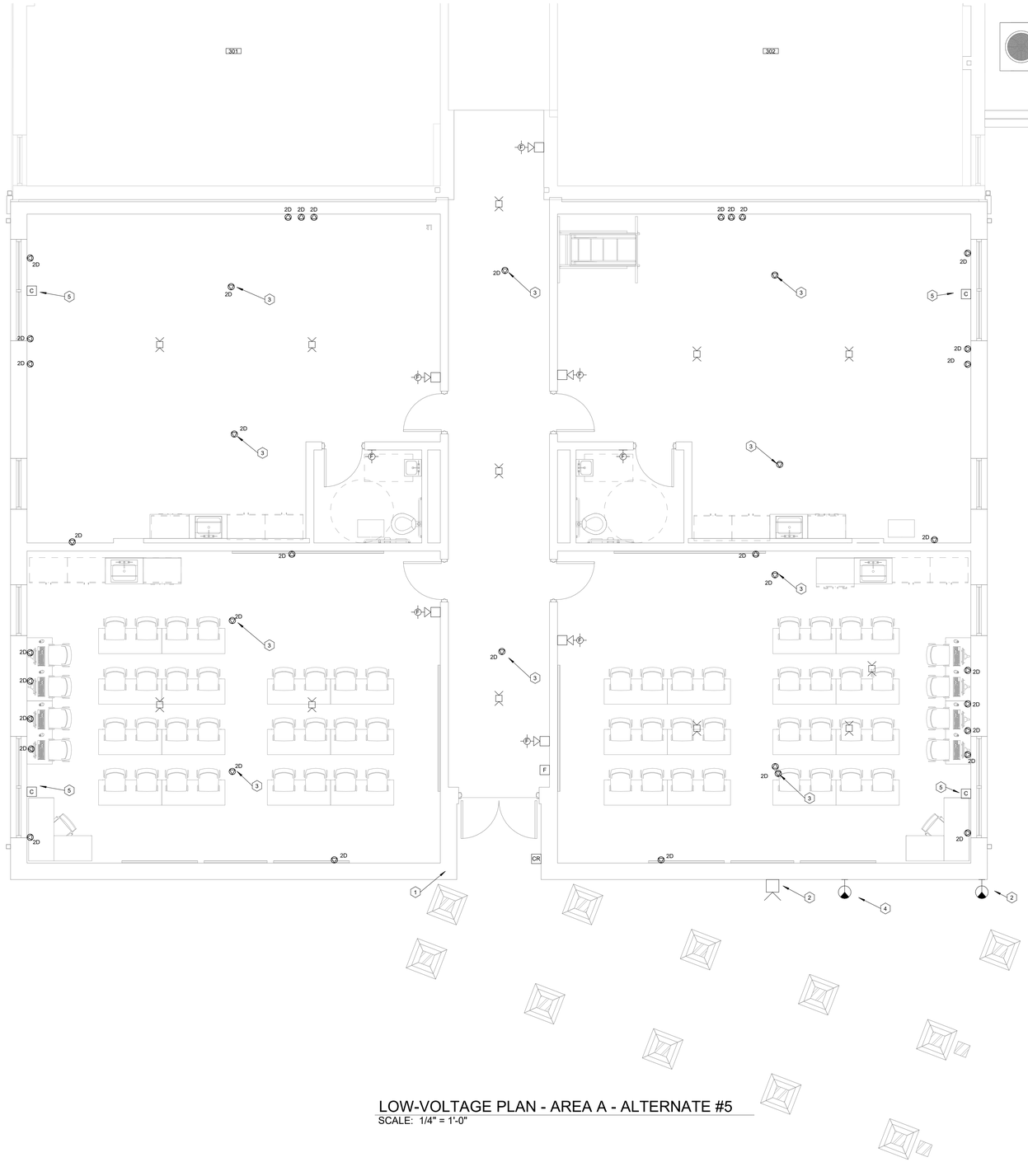

LOW-VOLTAGE PLAN - AREA A - ALTERNATE #5
SCALE: 1/4" = 1'-0"

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
001	CLASSROOM
002	CLASSROOM
003	CLASSROOM
004	CLASSROOM
005	CLASSROOM
006A	CLASSROOM
006B	CLASSROOM
007	BOY'S RR
008	GIRL'S RR
009	CUST.
100	VESTIBULE
101	CLASSROOM
101	ENTRY
102	CLASSROOM
103	CLASSROOM
103	CORRIDOR
104	CLASSROOM
104	CORRIDOR
105A	CLASSROOM
105B	CLASSROOM
106	CLASSROOM
107	BOY'S RR
108	GIRL'S RR
109	CUSTODIAL
137	CORRIDOR
152	CORRIDOR
156	CORRIDOR
164	CORRIDOR
170	CORRIDOR
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202	CLASSROOM
203	CLASSROOM
204	CLASSROOM
205	CLASSROOM
206A	CLASSROOM
206B	CLASSROOM
207	BOY'S RR
208	GIRL'S RR
209	CUSTODIAL
301	CLASSROOM
302	CLASSROOM
303	CLASSROOM
304	CLASSROOM
305A	CLASSROOM
305B	CLASSROOM
306	CLASSROOM
307	BOYS RR
308	GIRLS RR
309	CUST.
401	CLASSROOM
402	RR
403	RR
404	RECEPT.
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500C	STOR.
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508A	VESTIBULE
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509A	VESTIBULE
510	STOR.
510A	RR
511	TOILET
511A	VESTIBULE
512	MECH.
C105	CORRIDOR
C110	CORRIDOR
C120	CORRIDOR

CODED NOTES:

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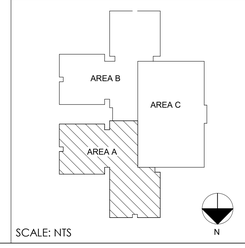
KEY PLAN



SCALE: NTS

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rosstarrant architects
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859.271.3246

LOW-VOLTAGE PLAN - AREA A - ALTERNATE #5

ESTILL SPRINGS ELEMENTARY ARP ESSER PHASE 2 RENO. & ADD. - BUILDING PACKAGES

FOR:

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IRVINE, KENTUCKY

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BG# 22-207

Project No:	2148
Drawn By:	Author
Rev'd By:	Checker

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LOW-VOLTAGE PLAN - AREA A - ALTERNATE #5

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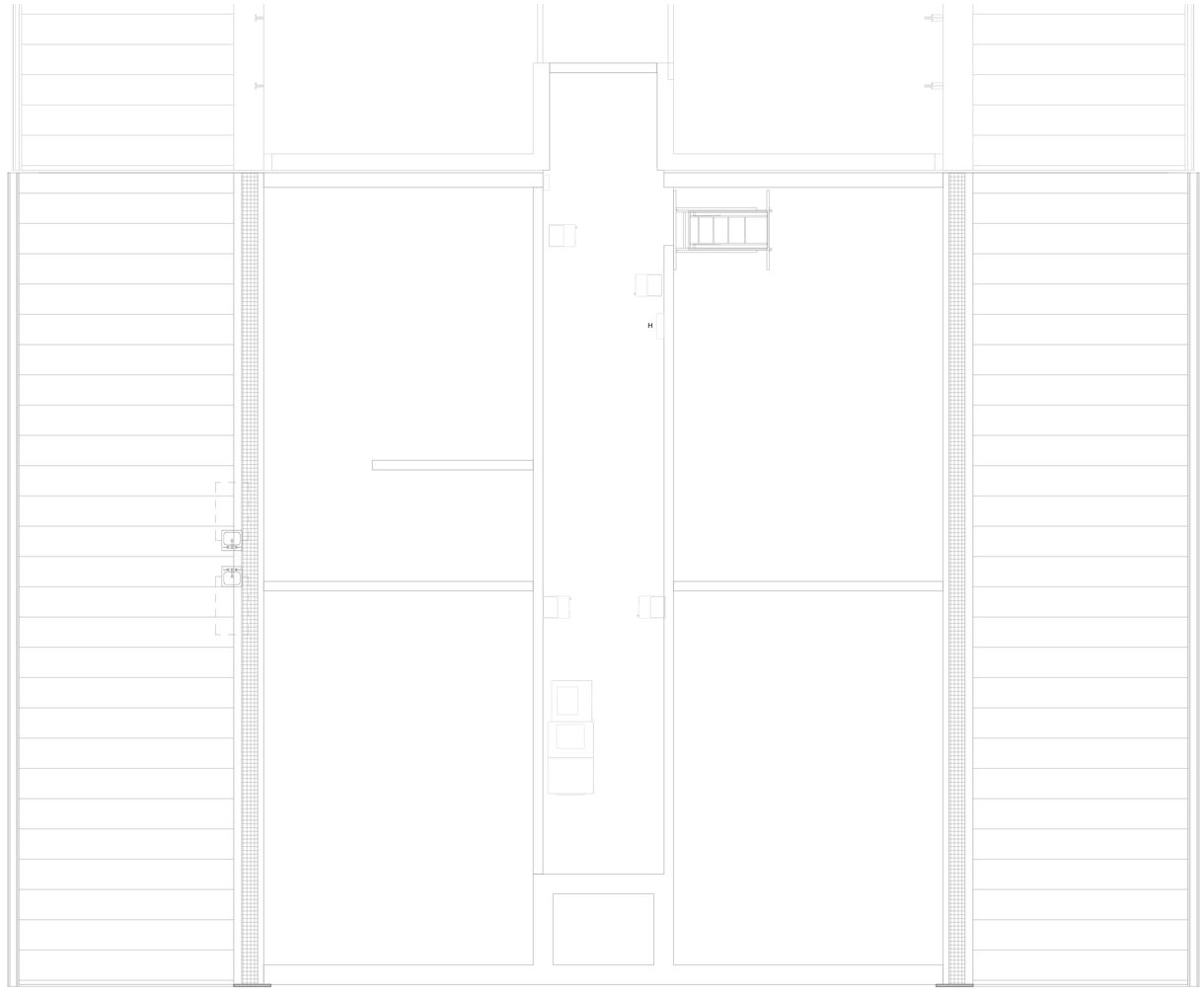

LOW-VOLTAGE PLAN - AREA A - MEZZANINE - ALTERNATE #5
SCALE: 1/4" = 1'-0"

NOTE:

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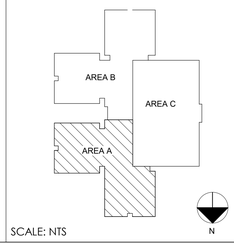

SCALE: NTS

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LOW-VOLTAGE PLAN - AREA A MEZZANINE - ALTERNATE #5

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LOW-VOLTAGE PLAN - AREA A MEZZANINE - ALTERNATE #5

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