Simpson Co. CTE Improvements & Alternative School Addition
Franklin, Kentucky

for the

Simpson County Board of Education

430 S College St, Franklin, Kentucky 42134
p 270.586.8877

BG # 23-425
RTA # 23066

rosstarrant architects

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

enhancing education through great design

STRUCTURAL ENGINEER: BFW, INC.
500 South 17th Street Paducah, Kentucky 42003
p 270.443.1995

M.E.P. ENGINEER: MARCUM ENGINEERING, LLC.
500 South 17th Street Paducah, Kentucky 42003
p 270.444.9274

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

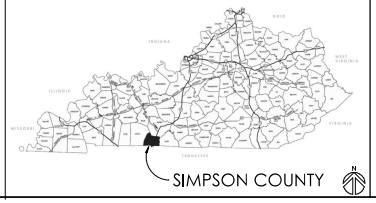
CONSTRUCTION MANAGER: ALLIANCE CORPORATION
116 E. College Street Glasgow, Kentucky 42141
p 270.651.8848

PROJECT SITE ADDRESS:

400 S College St,
Franklin, KY 42134

VICINITY MAP

PROJECT VICINITY MAP



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BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

SHEET RELEASE

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COVER SHEET

DATE ISSUED:
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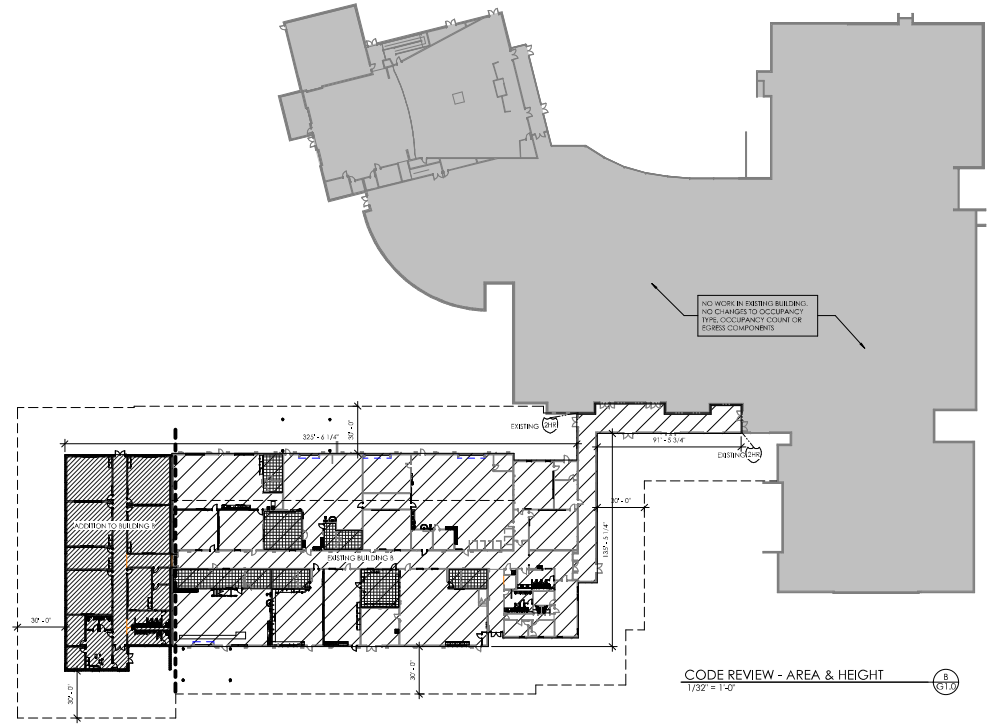
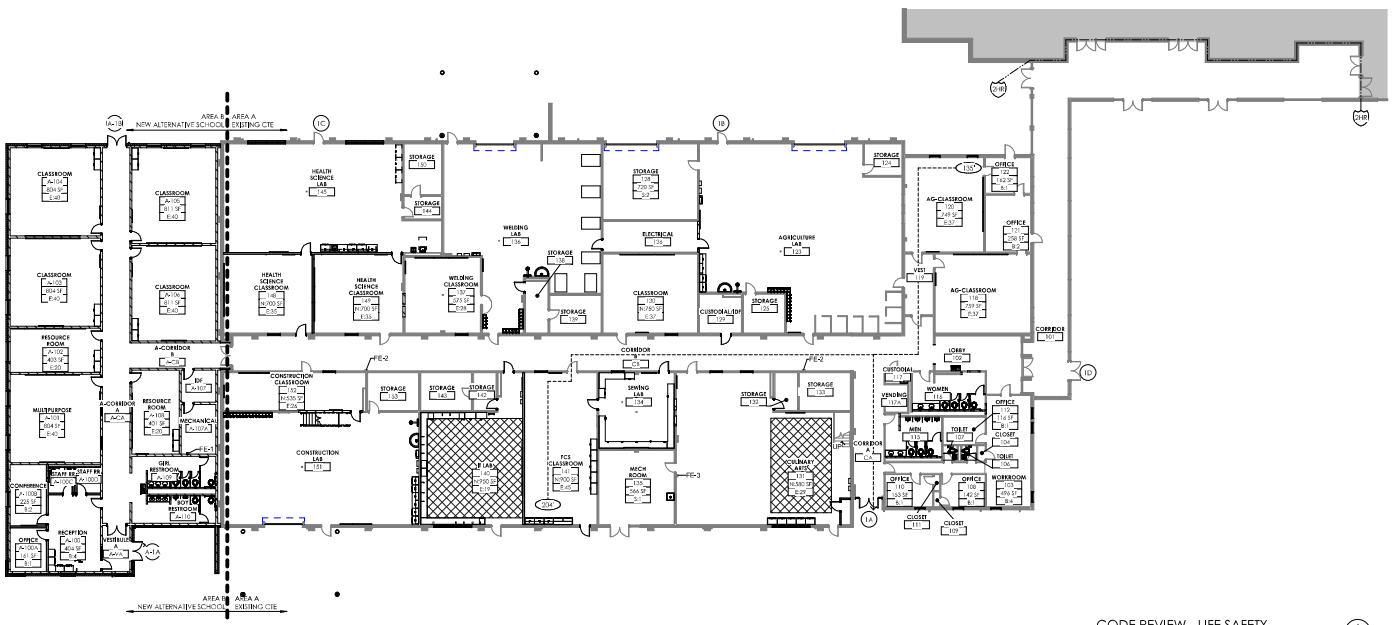
#	DATE	DESCRIPTION



CODE REVIEW - AREA & HEIGHT
1/32" = 1'-0"
B G1.0



CODE REVIEW - LIFE SAFETY
1/16" = 1'-0"
A G1.0

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
KENTUCKY STANDARDS OF SAFETY, LATEST EDITION
2012 INTERNATIONAL FIRE CODE (IFC) FOR NEW CONSTRUCTION AS PER KBC REQUIREMENTS
2012 INTERNATIONAL FIRE CODE FOR PORTABLE EXTINGUISHERS, SECTION 906
2012 INTERNATIONAL ENERGY CONSERVATION CODE (FOR USE WITH THE KENTUCKY BUILDING CODE ONLY)
2015 INTERNATIONAL MECHANICAL CODE
STATE BOILER CODES & REGULATIONS, LATEST EDITION
ASME BOILER, PRESSURE VESSEL, AND PRESSURE PIPING CODES, LATEST EDITION
KENTUCKY PLUMBING CODE, LATEST EDITION
2012 NFPA 01 - FIRE PREVENTION CODE
2010 NFPA 13 - SPRINKLER SYSTEMS
2010 NFPA 14 - STANDPIPE, HOSE SYSTEMS
2009 NFPA 54 - NATIONAL FUEL GAS
2017 NFPA 70 - NATIONAL ELECTRICAL CODE
2010 NFPA 72 - FIRE ALARM
UNITED LABORATORIES (UL) STANDARDS FOR FIRE RESISTANT CONSTRUCTION
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 CTE & NEW ALTERNATIVE SCHOOL BUILDING B**

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

BUILDING PERIMETER, P: **1028- 4"** OPEN PERIMETER, F: **799' - 6"** WIDTH, W: **30'**

ALLOWABLE HEIGHT [FROM TABLE 504.3] 75'-0"	ACTUAL HEIGHT 20'-0"
ALLOWABLE STORIES [FROM TABLE 504.4] 3	ACTUAL STORIES, S_a 1
ALLOWABLE AREA [FROM TABLE 506.2] A1=68,000 SF N5=14,500 SF	ACTUAL AREA: EXISTING 34,059 SF; ADDITION 8,832 SF; TOTAL 42,891 SF
NO CALCULATION RQD. BUILDING AREA SMALLER THAN ALLOWED.	

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 CTE BUILDING.
2. ALL ROOMS WITHIN THE ADDITION HAVE LESS THAT 50 PROPOSED OCCUPANTS, THEREFORE EACH ROOM MEETS THE REQUIRTMENT FOR 1 EXIT AND MINIMUM CLEAR EGRESS SPACE OF 30"

EGRESS COMPONENT TABLE

FIRST FLOOR: 657 OCCUPANTS REQUIRES 3 EXITS

COMP.#	COMPONENT TYPE	REQUIRED WIDTH PER OCCUPANT	# OF OCCUPANTS	REQUIRED EGRESS WIDTH	MINIMUM PROPOSED EGRESS WIDTH	EXIST TO:
1A	DOOR	.15	198	29.7"	68"	EXIT DISCHARGE
1B	DOOR	.15	39	5.85"	34"	EXIT DISCHARGE
1C	DOOR	.15	70	10.5"	34"	EXIT DISCHARGE
1D	DOOR	.15	7	1.05"	68"	EXIT DISCHARGE
A-1A	DOOR	.15	113	16.95"	34"	EXIT DISCHARGE
A-1B	DOOR	.15	230	34.5"	68"	EXIT DISCHARGE

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)
B - BUSINESS (GSF)
S - STORAGE (GSF)
K - KITCHEN (GSF)
L - LOCKER ROOM (GSF)
M - MERCANTILE (GSF)

* INDICATES NON-CONCURRENT USE OCCUPANCY

COMPONENT SEE TABLE BELOW — FLOOR — 1A
EGRESS COMPONENT TAG

EGRESS PATH

TOTAL UNPROTECTED EXIT ACCESS TRAVEL DISTANCE

OPEN PERIMETER FRONTAGE

DEMARCATION LINE BETWEEN EXISTING & NEW CONSTRUCTION

DURATION OF FIRE-RESISTANCE — 1HR
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 Kentucky Avenue, Paducah, Kentucky 42002 p 859.254.4018

NOT FOR CONSTRUCTION

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Alliance Corporation
p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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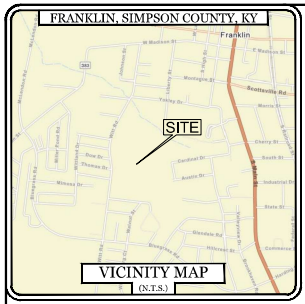

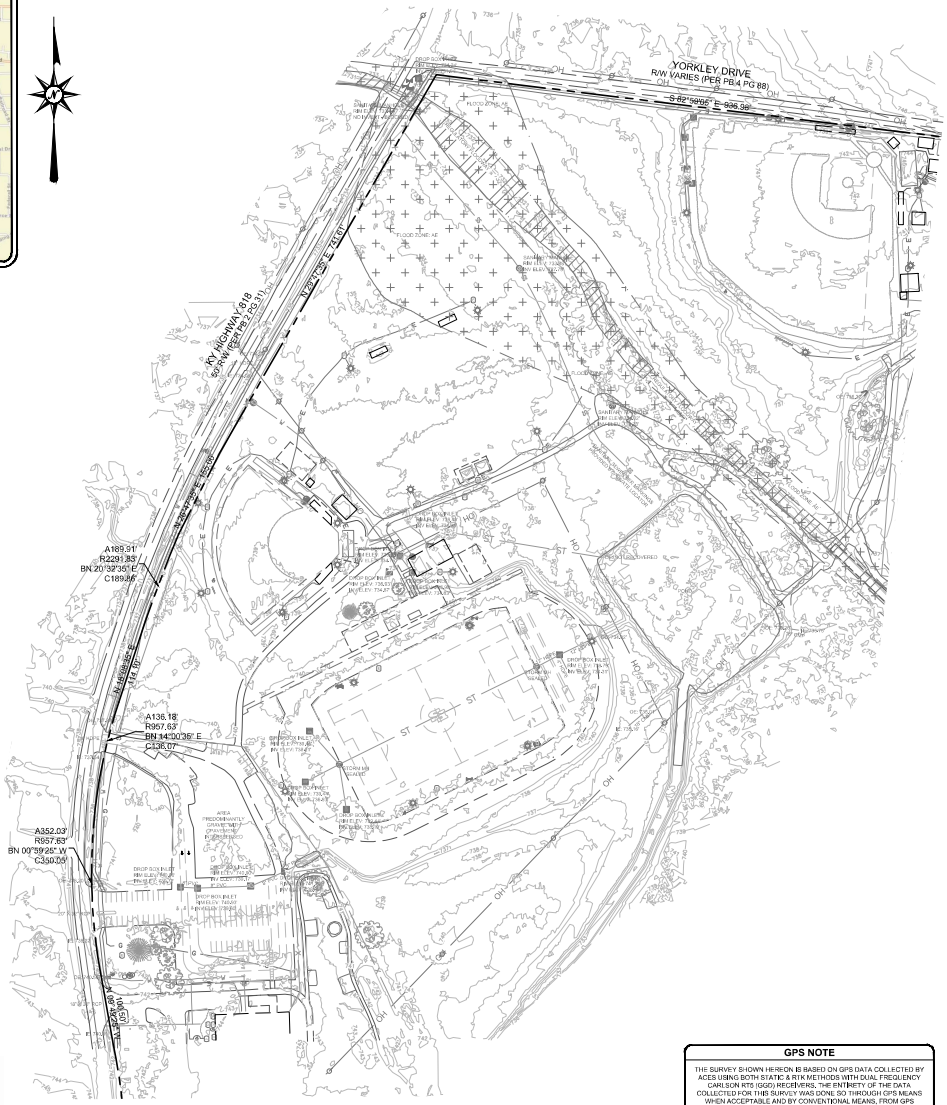

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FLOODPLAIN INFORMATION

A PORTION OF THE PROPERTY SHOWN HEREON LIES WITHIN A FLOOD PRONE AREA ACCORDING TO (FIRM) FLOOD INSURANCE RATE MAP FOR SIMPSON COUNTY, KENTUCKY. SAID AREA IS SHOWN ON MAP #21213C0179C, WITH AN EFFECTIVE DATE OF MARCH 17, 2011.

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BOARD OF EDUCATION
430 SOUTH COLLEGE STREET
FRANKLIN, KY 42134
DEED BOOK 101 PG 358

0' 100' 200' 300'
GRAPHIC SCALE: 1" = 100'

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REVISIONS

SIMPSON ELEMENTARY SCHOOL
721 WITT ROAD
FRANKLIN, KY 42134

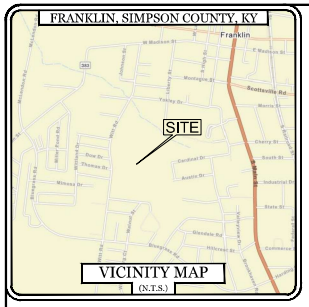
ACES
ARNOLD CONSULTING ENGINEERING SERVICES, INC.
P.O. BOX 1338
BOWLING GREEN, KY 42101
PHONE (270) 796-9445

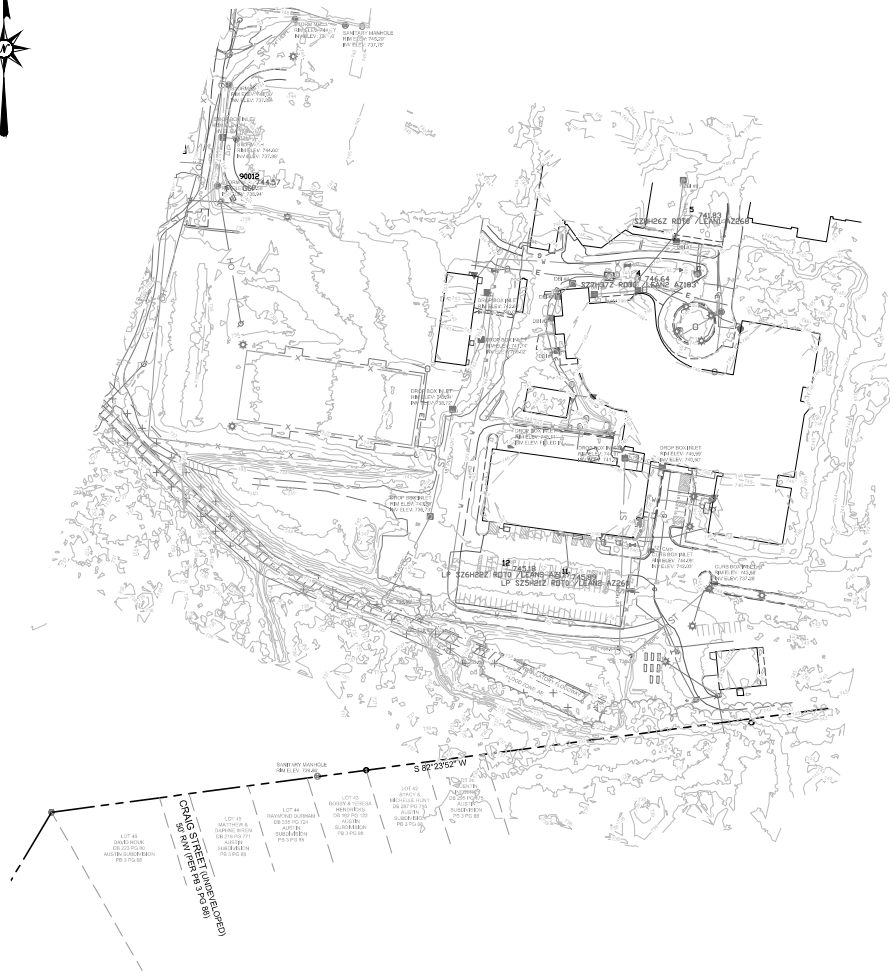
JOB NUMBER: 24-1138-L	
DATE: 06-04-2024	
SCALE: 1" = 100'	
DRAWN: T. EWING	
CHECKED: L. CONWAY	
APPROVED: J. ARNOLD	

PRELIMINARY PLAN SET NOT APPROVED FOR CONSTRUCTION

C1
EXISTING TOPOGRAPHY

Z:\SITEDEVELOPMENT\2024 PROJECTS\ROSSTARRANT - FRANKLIN SIMPSON HIGH SCHOOL\SITEDEV\FINAL PLANS\C1 - EXISTING TOPOGRAPHY.DWG





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REVISIONS

SIMPSON ELEMENTARY SCHOOL
721 WITT ROAD
FRANKLIN, KY 42134

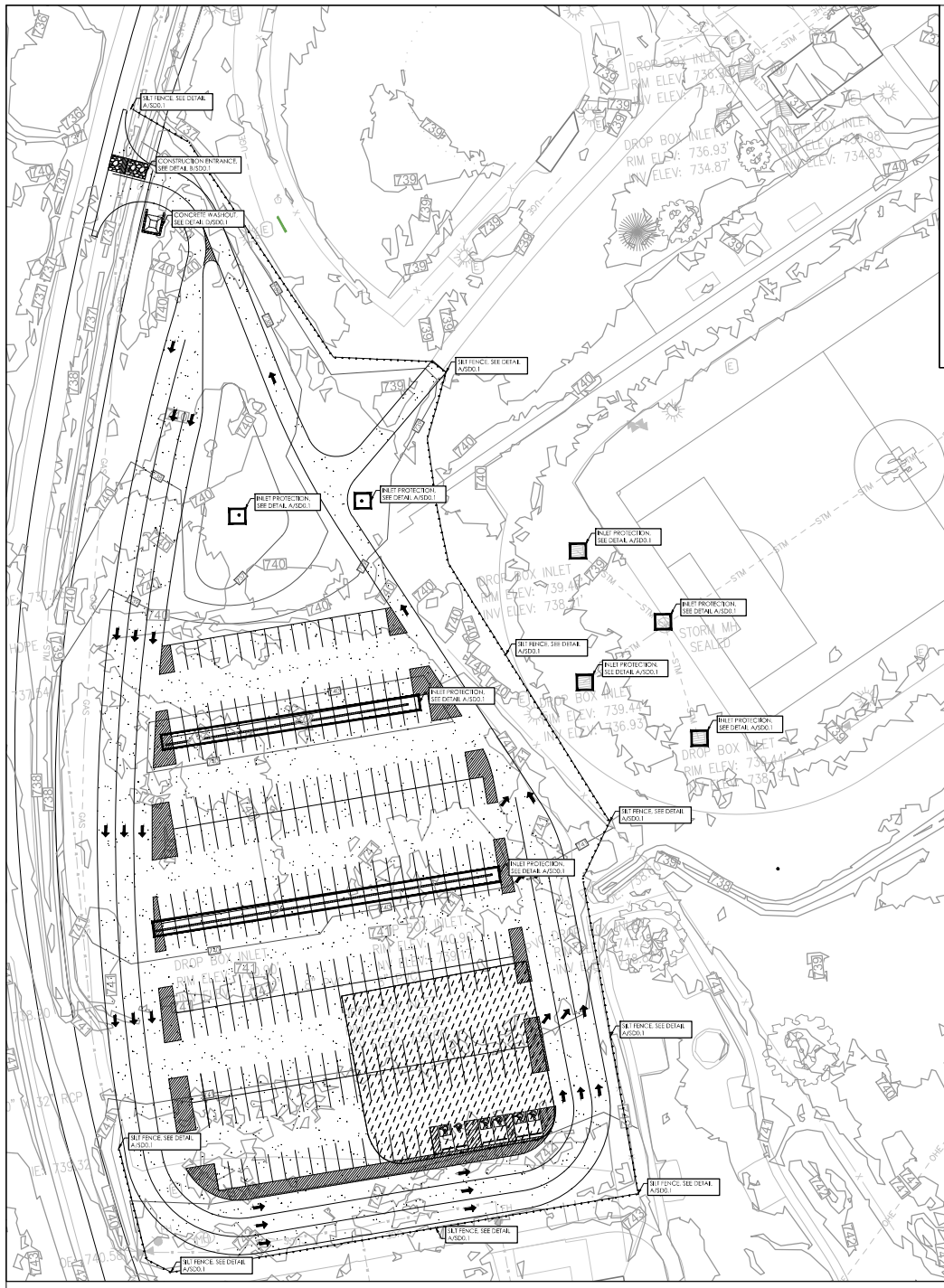
ACES
ARNOLD CONSULTING ENGINEERING SERVICES, INC.
P.O. BOX 1338
BOWLING GREEN, KY 42101
PHONE (270) 796-9445

JOB NUMBER:	24-1138-L
DATE:	06-04-2024
SCALE:	1" = 100'
DRAWN:	T. EWING
CHECKED:	L. CONWAY
APPROVED:	J. ARNOLD

PRELIMINARY PLAN SET NOT APPROVED FOR CONSTRUCTION

C1
EXISTING TOPOGRAPHY

Z:\SITEDEVELOPMENT\2024 PROJECTS\ROSSTARRANT - FRANKLIN SIMPSON HIGH SCHOOL\SITEDEV\FINAL PLANS\C1 - EXISTING TOPOGRAPHY EAST.DWG


SILT FENCE, SEE DETAIL A/SD0.1
CONSTRUCTION ENTRANCE, SEE DETAIL B/SD0.1
CONCRETE WASHOUT, SEE DETAIL D/SD0.1
INLET PROTECTION, SEE DETAIL A/SD0.1
DROP BOX INLET
RIM ELEV: 736.93'
INV ELEV: 734.87'
STORM MH SEALED
739
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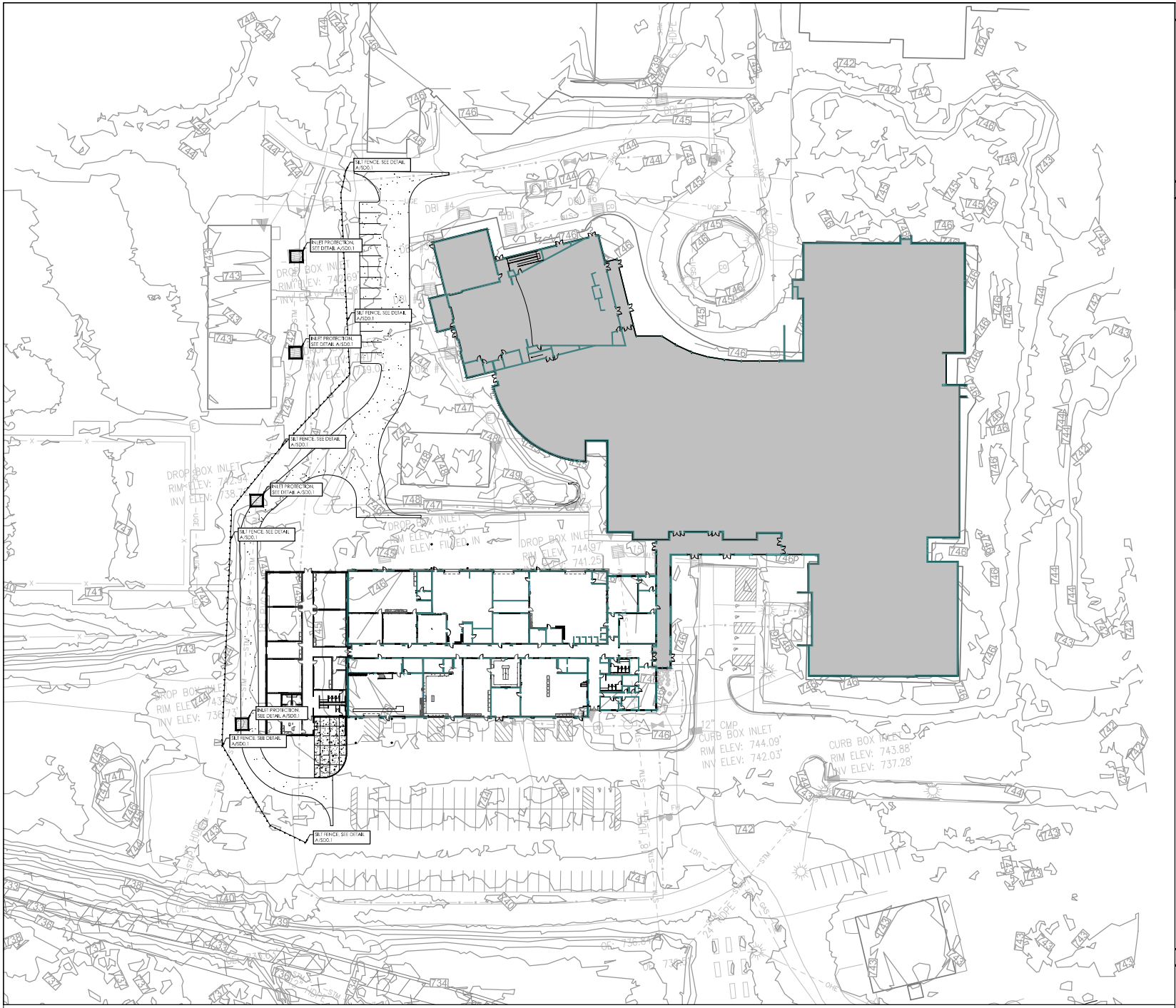

EROSION POLLUTION SEDIMENT CONTROL PLAN

SCALE: 1"=30'

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY XXXXXXXX SURVEYOR NAME. SURVEYOR ADDRESS. 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.

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 KTIC. 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 WASHOFF 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 PROTECTIONS 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 EROSION POLLUTION AND SEDIMENT CONTROL PLAN FOR DETAILS.
6. TYPICAL SILT FENCE AND SEDIMENT TRAP INSTALLATION DETAILS ARE SHOWN ON THE EROSION POLLUTION AND SEDIMENT CONTROL PLAN. SEE KTIC 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 CONTRACTOR'S 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.
10. LOCATION OF CONSTRUCTION ENTRANCE TO BE COORDINATED WITH OWNER. SEE DETAIL B/SD0.1.
11. LOCATION OF CONCRETE WASHOUT AREA TO BE COORDINATED WITH OWNER. SEE DETAIL C/SD0.1.

LEGEND

- SEDIMENT CONTROL FENCE. ADDITIONAL FENCE MAY BE REQUIRED AT OTHER AREAS DURING CONSTRUCTION. SEE DETAIL A/SD0.1
- INLET PROTECTION. SEE DETAIL A/SD0.1
- CONSTRUCTION ENTRANCE. SEE DETAIL B/SD0.1
- CONCRETE WASHOUT AREA. SEE D/SD0.1

rosstarrant architects
10 Old Bellevue Avenue Bowling Green, KY 42101 p 270-843-4018

NOT FOR CONSTRUCTION

EROSION POLLUTION AND SEDIMENT CONTROL PLAN
Franklin-Simpson High School CTE Renovation & ALT School Addition
FOR:
Franklin County Board of Education
400 S College St, Frankin, KY 42134

M.E.&P Engineer:
MARCUM ENGINEERING, LLC
300 South 17th Street
Paducah, KY 42003
p 270.449.9774
Structural Engineer:
BFW, INC.
300 South 17th Street
Paducah, KY 42003
p 270.443.1993
Construction Manager:
Alliance Corporation
116 E. College Street
Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No: 23066
Drawn By: ELM/GGS
Rev'd By: MBM/MWR

SHEET RELEASE

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DESIGN DEVELOPMENT

SD0.2

EROSION POLLUTION AND SEDIMENT CONTROL PLAN

DATE ISSUED:
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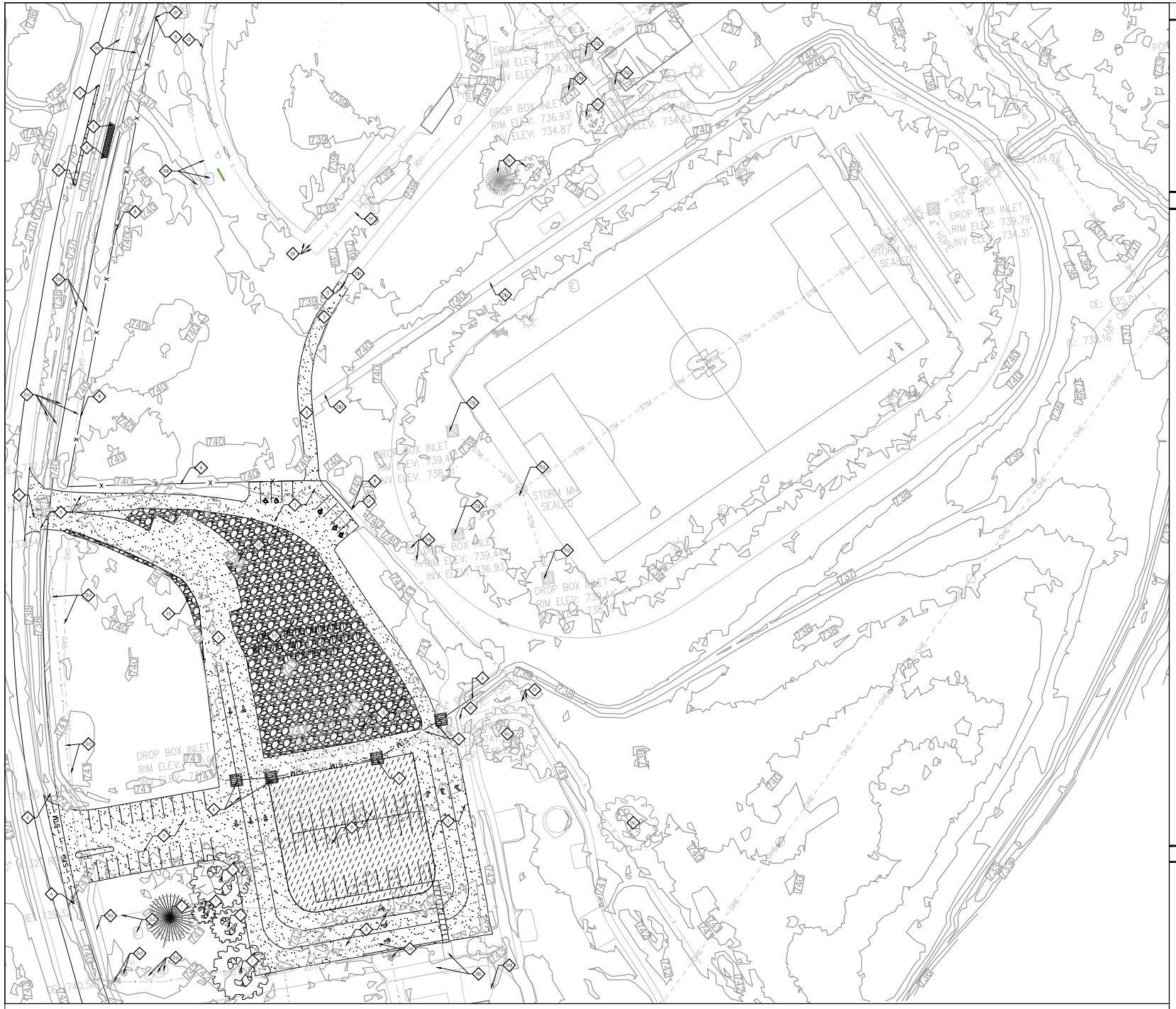

SITE DEMOLITION PLAN

SCALE: 1"=30'

A
SD0.3

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY XXXXXXXX SURVEYOR NAME, SURVEYOR ADDRESS. 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.

SITE DEMOLITION TAGS

1. 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 EXPANSION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
   - (c) TREE/VEGETATION TO REMAIN.
   - (d) UTILITY TO REMAIN.
   - (e) GRAVEL PAVING TO REMAIN.
   - (f) FENCING TO REMAIN.
   - (g) STORM LINE/STRUCTURE TO REMAIN
2. EXISTING TREE TO BE REMOVED. SEE A/SD0.2 TREE PROTECTION AND REMOVAL PLAN FOR ADDITIONAL INFORMATION.
3. DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT AND AGGREGATE BASE. SAWCUT AT NEAREST JOINT.
4. DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE. SAWCUT EDGES.
5. DEMOLISH AND REMOVE EXISTING CONCRETE CURB/CURB AND GUTTER. SAW CUT TO PROVIDE CLEAN TRANSITION FOR ADJACENT NEW CURB.
6. DEMOLISH AND REMOVE EXISTING UTILITY LINE/STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
7. DEMOLISH AND REMOVE EXISTING STORM LINE/STRUCTURE.
8. SALVAGE AND REMOVE EXISTING SIGNAGE. RETURN TO OWNER AT OWNER IDENTIFIED ON-CAMPUS LOCATION.
9. DEMOLISH AND REMOVE EXISTING FENCE AND ASSOCIATED FOUNDATION.
10. MILL AND RELAY ASPHALT PAVEMENT
11. DEMOLISH AND REMOVE EXISTING GRAVEL PAVEMENT AND ASSOCIATED AGGREGATE BASE.
12. DEMOLISH AND REMOVE EXISTING BUILDING AND ASSOCIATED FOUNDATION.

LEGEND

- GRAVEL PAVEMENT DEMOLITION
- BUILDING DEMOLITION
- ASPHALT MILL
- CONCRETE PAVEMENT DEMOLITION
- ASPHALT PAVEMENT DEMOLITION
- EXISTING VEGETATION TO BE DEMOLISHED.

rosstarrant architects
10 Old Bellevue Avenue Bowling Kentucky 42127 p 270-781-4018

NOT FOR CONSTRUCTION

SITE DEMOLITION PLAN
Franklin-Simpson High School CTE Renovation & ALT School Addition
FOR:
Franklin County Board of Education
400 S College St, Frankin, KY 42134

M.E.P. Engineer:
MARCUM ENGINEERING, LLC
300 South 17th Street
Paducah, KY 42003
p 270.449.9774
Structural Engineer:
REVI, INC.
300 South 17th Street
Paducah, KY 42003
p 270.443.1993
Construction Manager:
Alliance Corporation
116 E. College Street
Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No: 23066
Drawn By: ELM/EGS
Rev'd By: MBM/MWR

SHEET RELEASE

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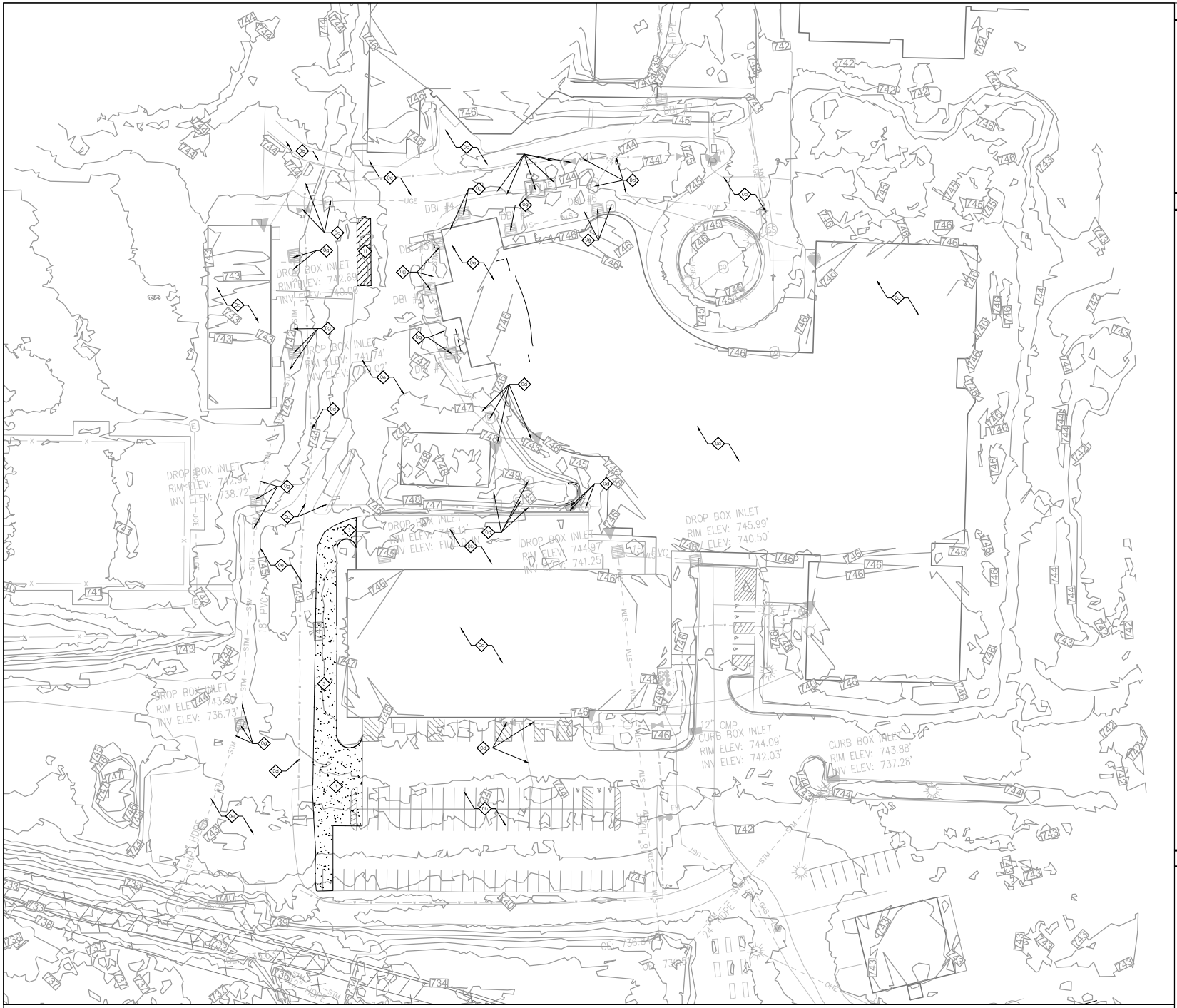
DESIGN DEVELOPMENT

SD0.3

SITE DEMOLITION PLAN

DATE ISSUED:
7/10/2024



SITE DEMOLITION PLAN
SCALE: 1"=30'

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY XXXXXXXX SURVEYOR NAME. SURVEYOR ADDRESS. REFER TO SITE SURVEY SHEETS.
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6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING.

SITE DEMOLITION TAGS

1. 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 EXPANSION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
   - (c) TREE/VEGETATION TO REMAIN.
   - (d) UTILITY TO REMAIN.
   - (e) GRAVEL PAVING TO REMAIN.
   - (f) FENCING TO REMAIN.
   - (g) STORM LINE/STRUCTURE TO REMAIN
2. EXISTING TREE TO BE REMOVED. SEE A/SD0.2 TREE PROTECTION AND REMOVAL PLAN FOR ADDITIONAL INFORMATION.
3. DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT AND AGGREGATE BASE. SAWCUT AT NEAREST JOINT.
4. DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE. SAWCUT EDGES.
5. DEMOLISH AND REMOVE EXISTING CONCRETE CURB/CURB AND GUTTER. SAW CUT TO PROVIDE CLEAN TRANSITION FOR ADJACENT NEW CURB.
6. DEMOLISH AND REMOVE EXISTING UTILITY LINE/STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
7. DEMOLISH AND REMOVE EXISTING STORM LINE/STRUCTURE.
8. SALVAGE AND REMOVE EXISTING SIGNAGE. RETURN TO OWNER AT OWNER IDENTIFIED ON-CAMPUS LOCATION.
9. DEMOLISH AND REMOVE EXISTING FENCE AND ASSOCIATED FOUNDATION.
10. MILL AND RELAY ASPHALT PAVEMENT
11. DEMOLISH AND REMOVE EXISTING GRAVEL PAVEMENT AND ASSOCIATED AGGREGATE BASE.
12. DEMOLISH AND REMOVE EXISTING BUILDING AND ASSOCIATED FOUNDATION.

LEGEND

- GRAVEL PAVEMENT DEMOLITION
- BUILDING DEMOLITION
- ASPHALT MILL
- CONCRETE PAVEMENT DEMOLITION
- ASPHALT PAVEMENT DEMOLITION
- EXISTING VEGETATION TO BE DEMOLISHED.

rosstarrant architects
10 Ark Bellevue Avenue Burlington, Kentucky 40207 p 859-334-4018

NOT FOR CONSTRUCTION

SITE DEMOLITION PLAN
Franklin-Simpson High School CTE Renovation & ALT School Addition
FOR:
Franklin County Board of Education
400 S College St, Frankin, KY 42134

M.E.&P. Engineer:
MARCUM ENGINEERING, LLC
300 South 17th Street
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p 270.444.9274
Structural Engineer:
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p 270.443.1993
Construction Manager:
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116 E. College Street
Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No: 23066
Drawn By: ELM/EGS
Rev'd By: MBM/MWR

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DESIGN DEVELOPMENT

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SITE DEMOLITION PLAN

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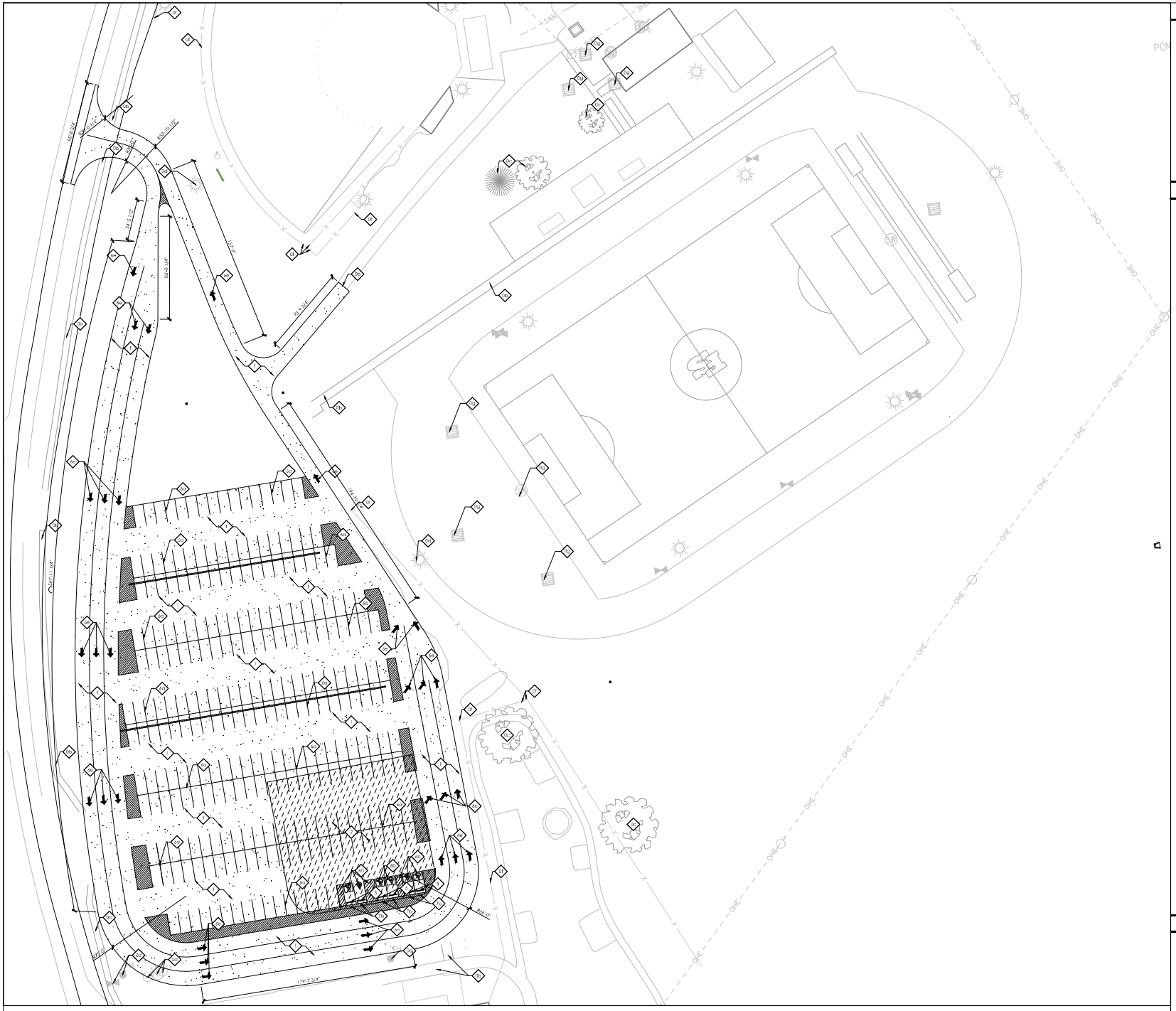

SITE LAYOUT AND DEVELOPEMENT PLAN

SCALE: 1"=30'

A
SD1.1

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY XXXXXXXX SURVEYOR NAME, SURVEYOR ADDRESS. REFER TO SITE SURVEY SHEETS.
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6. REFER TO CONSTRUCTION MANAGER'S PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING CONSTRUCTION SCHEDULE/SEQUENCING, CONSTRUCTION FENCING/STAGING.

SITE DEVELOPMENT TAGS

1. 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. SAWCUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAWCUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
   - (c) TREE/VEGETATION TO REMAIN.
   - (d) UTILITY TO REMAIN.
   - (e) GRAVEL PAVING TO REMAIN.
   - (f) FENCING TO REMAIN.
   - (g) STORM LINE/STRUCTURE TO REMAIN
2. LIGHT DUTY ASPHALT PAVING (321216). SEE DETAIL A/SD4.2.
3. 1.5" ASPHALT OVERLAY. SEE DETAIL B/SD4.2.
4. 4" DEPTH CONCRETE PAVEMENT (321313, 321373). SEE DETAIL C/SD4.2.
5. CONCRETE CURB (32131.3, 321613, 321726)
   - (a) CURB AND GUTTER. SEE DETAIL D/SD4.2
   - (b) ACCESSIBLE DROPPED CURB TYPE "A" RAMP. SEE DETAILS J & K/SD4.2.
6. CONCRETE WHEEL STOP. (321713) SEE DETAIL E/SD4.2
7. PAINTED PAVEMENT MARKINGS. (321723.13)
   - (a) 4" PAVING STRIPING, WHITE.
   - (b) ACCESSIBLE PARKING STRIPING. SEE DETAIL L/SD4.2.
   - (c) PAINTED TRAFFIC STOP BAR, 12"X12", WHITE.
   - (d) PAINTED CROSSWALK. SEE DETAIL F/SD4.2
   - (e) PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL G/SD4.2
8. TRAFFIC SIGNAGE (SINGLE POST). (101453)
   - (a) STOP SIGN. SEE DETAIL H/SD4.2.
   - (b) ACCESSIBLE PARKING SIGN. SEE DETAIL I/SD4.2.

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- SODDED AREA
- ASPHALT OVERLAY
- ISOLATION JOINT

rosstarrant architects
10 Old Bishop's Avenue Bowling Green, Kentucky 42027 p 859-354-4018

NOT FOR CONSTRUCTION

SITE LAYOUT AND DEVELOPMENT PLAN
Franklin-Simpson High School CTE Renovation & ALT School Addition
FOR:
Franklin County Board of Education
400 S College St, Frankin, KY 42134

M.E.P. Engineer:
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Construction Manager:
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BG#

Project No: 23066
Drawn By: ELM/EGS
Rev'd By: MBM/MVR

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DESIGN DEVELOPMENT

SD1.1

SITE LAYOUT AND DEVELOPMENT PLAN

DATE ISSUED:
6/10/2024

SITE LAYOUT AND DEVELOPMENT PLAN
SCALE: 1"=30'

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY XXXXXXXX SURVEYOR NAME, SURVEYOR ADDRESS. 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.
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5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.2 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.

SITE DEVELOPMENT TAGS

D1 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. SAWCUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAWCUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS.
- (c) TREE/VEGETATION TO REMAIN.
- (d) UTILITY TO REMAIN.
- (e) FENCING TO REMAIN.
- (f) STORM LINE/STRUCTURE TO REMAIN

1 LIGHT DUTY ASPHALT PAVING (321216). SEE DETAIL A/SD4.2.

2 1.5" ASPHALT OVERLAY. SEE DETAIL B/SD4.2.

3 4" DEPTH CONCRETE PAVEMENT (321313, 321373). SEE DETAIL C/SD4.2.

4 CONCRETE CURB (321313, 321613, 321726)
- (a) CURB AND GUTTER. SEE DETAIL D/SD4.2
- (b) ACCESSIBLE DROPPED CURB TYPE "A" RAMP. SEE DETAILS J & K/SD4.2.

5 CONCRETE WHEEL STOP. (321713) SEE DETAIL E/SD4.2

6 PAINTED PAVEMENT MARKINGS. (321723.13)
- (a) 4" PAVING STRIPING, WHITE.
- (b) ACCESSIBLE PARKING STRIPING. SEE DETAIL L/SD4.2.
- (c) PAINTED TRAFFIC STOP BAR. 12"X12", WHITE.
- (d) PAINTED CROSSWALK. SEE DETAIL F/SD4.2
- (e) PAINTED TRAFFIC DIRECTIONAL ARROWS. SEE DETAIL G/SD4.2

7 TRAFFIC SIGNAGE (SINGLE POST). (101453)
- (a) STOP SIGN. SEE DETAIL H/SD4.2.
- (b) ACCESSIBLE PARKING SIGN. SEE DETAIL I/SD4.2.

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- SODDED AREA
- ASPHALT OVERLAY
- IJ ISOLATION JOINT

rosstarrant architects
10 Old Bellevue Avenue Bellevue, Kentucky 41073 p 859-354-4018

NOT FOR CONSTRUCTION

SITE LAYOUT AND DEVELOPMENT PLAN
FOR:
Franklin County Board of Education
400 S College St, Frankin, KY 42134

M.E.&P. Engineer:
MARCUM ENGINEERING, LLC
300 South 17th Street
Paducah, KY 42003
p 270.449.9774
Structural Engineer:
BFW, INC.
300 South 17th Street
Paducah, KY 42003
p 270.443.1993
Construction Manager:
Alliance Corporation
116 E. College Street
Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No: 23066
Drawn By: ELM/EGS
Rev'd By: MBM/MWR

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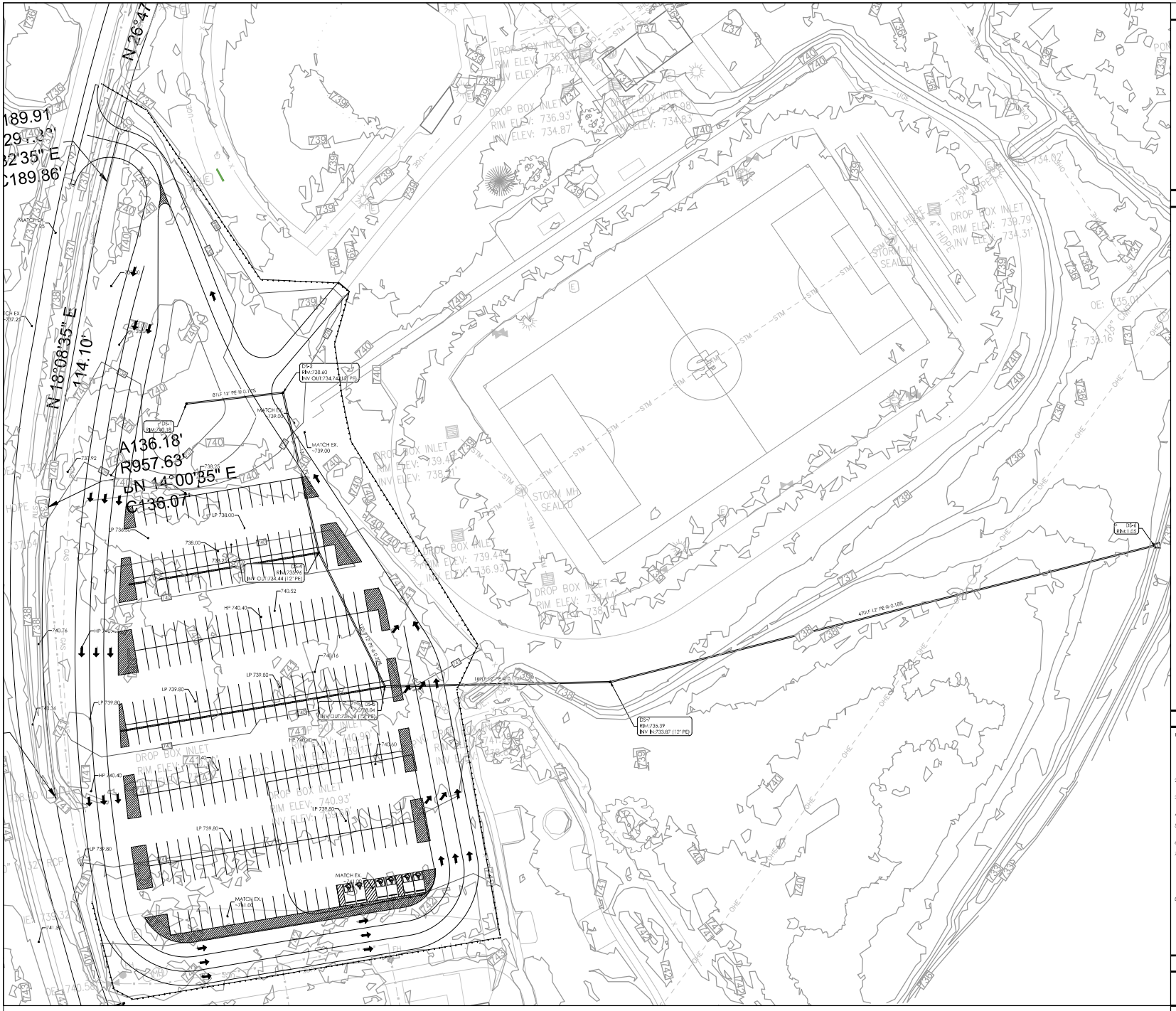
DESIGN DEVELOPMENT

SD1.2

SITE LAYOUT AND DEVELOPMENT PLAN
DATE ISSUED:
6/10/2024



SITE GRADING AND DRAINAGE PLAN
SCALE: 1"=30'

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY XXXXXXXX SURVEYOR NAME, SURVEYOR ADDRESS. 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 ARCHITECTS 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.

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. ALL IMPERVIOUS SURFACES SHALL BE GRADED AND INSTALLED WITH A MINIMUM SLOPE OF ONE PERCENT (1%) AND A MAXIMUM SLOPE OF SEVEN PERCENT (7%).
4. 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.
5. SLOPE PERVIOUS SURFACES MIN. 2% AND IMPERVIOUS SURFACES MIN. 1% AWAY FROM BUILDING FOUNDATIONS.
6. MAINTAIN GRADING TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO POND IN CONSTRUCTION AREAS.
7. RELOCATE ALL BURIED UTILITIES THAT ARE IMPACTED BY ANY EARTHWORK. RELOCATED UTILITY LOCATIONS ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO STARTING WORK.
8. PROTECT AREAS TO BE SEEDED AS FOLLOWS:
   A) DITCHES AND DRAINAGE SWALES ARE TO RECEIVE HIGH-VELOCITY EROSION-CONTROL BLANKETS.
   B) SLOPES 6:1 (16%) OR GREATER ARE TO RECEIVE LONG-TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (16%) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (16%) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
9. ANY AREAS DISTURBED DURING CONSTRUCTION ARE TO BE RECONDITIONED, SEEDED AND MULCHED PER THE SPECIFICATIONS.
10. 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 - 98%
    B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 98%
    C) PAVED AREAS AND WALKS - 95%
    D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
11. 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.
12. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DEBRIS AND SEDIMENT ARE REMOVED DAILY FROM SITE DRIVEWAYS, PARKING AREAS, WALKWAYS AND SURROUNDING ROADWAYS AND WALKWAYS.
13. EXCESS SOILS ARE TO BE DISPOSED OF OFF-SITE UNLESS OWNER REQUESTS TO KEEP SATISFACTORY SOILS ON-SITE IN A LOCATION DETERMINED BETWEEN THE CONTRACTOR AND OWNER.
14. 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 GEOGRID 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.
15. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING. REFER TO EPSC PLAN.

SITE STORM DRAINAGE NOTES

1. DRAINAGE PIPE THAT CROSSES UNDER ROADS OR PARKING AREAS SHALL BE EITHER HIGH PERFORMANCE POLYPROPYLENE (HPPP) OR REINFORCED CONCRETE (RCP). SEE PLANS FOR LOCATIONS. 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 SLOPES TO BE SLOPE 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.
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LEGEND

DS-7 DRAINAGE STRUCTURE. REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.
DS DOWNSPOUT BOOT (334993). SEE DETAIL D/SD4.1

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION

rosstarrant architects
10 Old Bellevue Avenue Bowling Kentucky 42127 p 270.781.4018

NOT FOR CONSTRUCTION

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BG#

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Drawn By: ELM/GS
Rev'd By: MBM/MR

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SITE GRADING AND DRAINAGE PLAN

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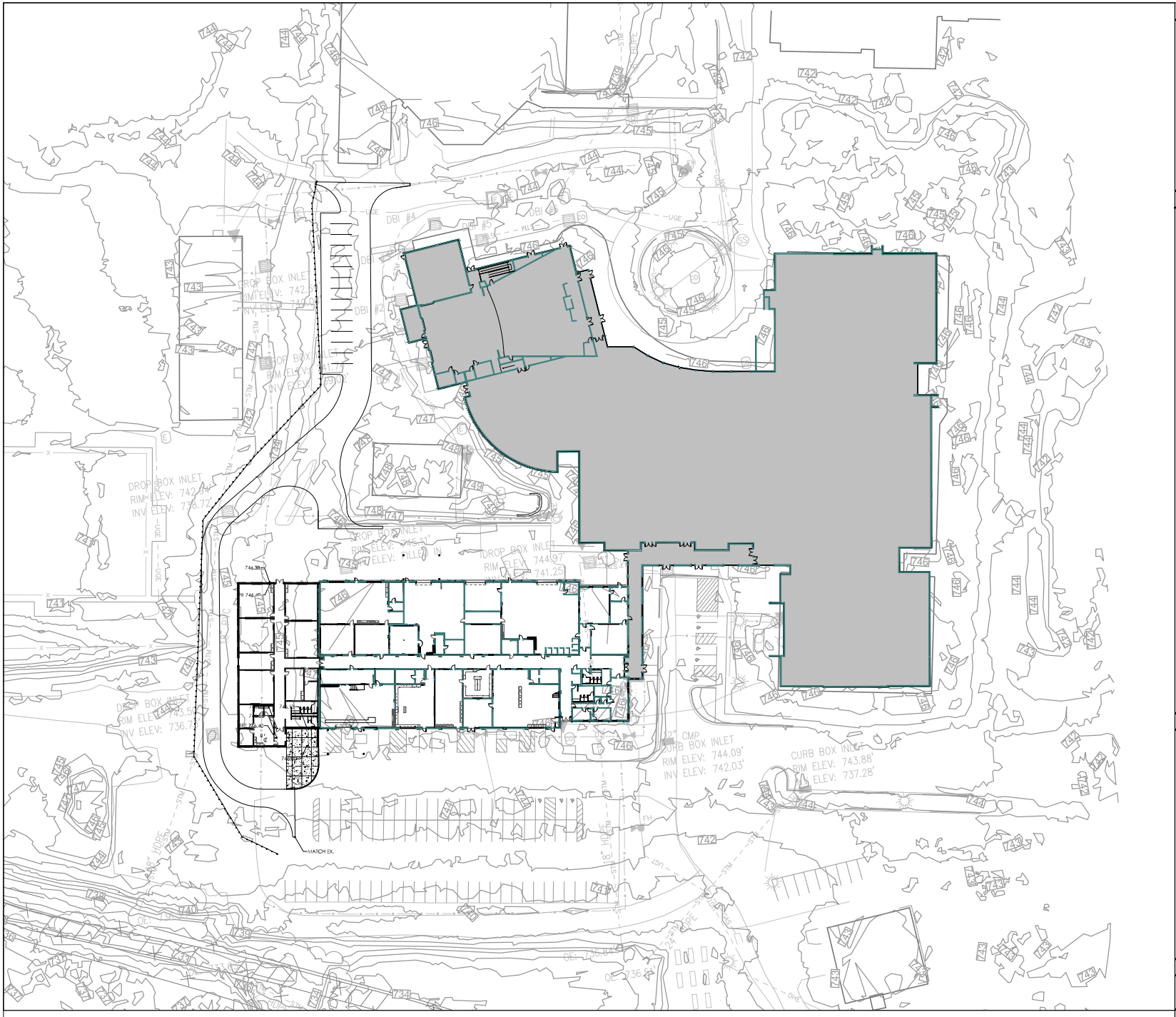

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SITE STORM DRAINAGE NOTES

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2. SEDIMENT PROTECTION DEVICES, SUCH AS SILT FENCING SHALL BE INSTALLED IN AND/OR AROUND ALL STORM STRUCTURES.
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LEGEND

DS-1 DRAINAGE STRUCTURE. REFER TO STORM DRAINAGE STRUCTURE SCHEDULE.

DS DOWNSPOUT BOOT (SS4993). SEE DETAIL D/SD4.1

SPOT ELEVATION LEGEND

TC - TOP OF CURB
BC - BOTTOM OF CURB
FFE - FINISHED FLOOR ELEVATION

SITE GRADING AND DRAINAGE PLAN
SCALE: 1"=30'
A SD2.2

rosstarrant architects
101 Old Belleview Avenue Burlington, Kentucky 41005 p 859.334.4018

NOT FOR CONSTRUCTION

SITE GRADING AND DRAINAGE PLAN
FOR:
Franklin-Simpson High School CTE Renovation & ALT School Addition
Franklin County Board of Education
400 S College St, Frankin, KY 42134

M.E.&P. Engineer:
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116 E. College Street
Glasgow, Kentucky 42141
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BG#

Project No: 23066
Drawn By: EEM/CGS
Per-Ty By: MBM/MWR

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SITE GRADING AND DRAINAGE PLAN

DATE ISSUED:
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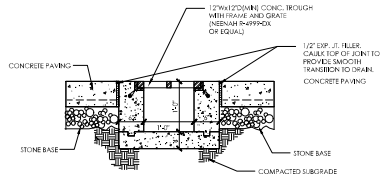
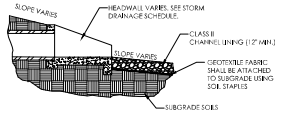


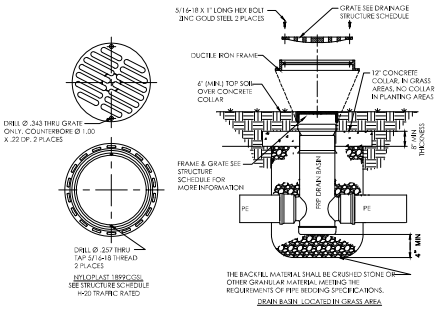
TRENCH DRAIN DETAIL (D / SD4.1)
SCALE: 1" = 1'-0"



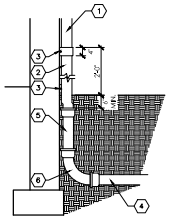
NOTES:

1.) CHANNEL LINING SHALL BE PLACED IN A MANNER THAT WILL NOT TEAR OR DAMAGE THE FILTER FABRIC.
2.) GEOTEXTILE FABRIC SHALL BE NONWOVEN 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 (C / SD4.1)
SCALE: N.T.S



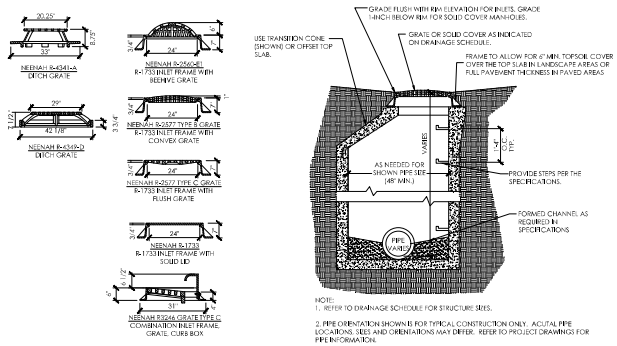
DRAIN BASIN (B / SD4.1)
SCALE: N.T.S



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



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

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101 Old Bellevue Avenue Bellevue, Kentucky 41073 p 859-356-4018

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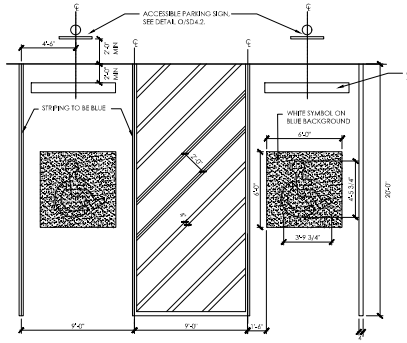
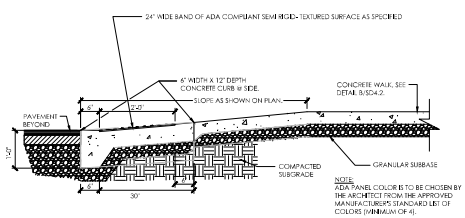
DESIGN DEVELOPMENT

SD4.1
SITE DRAINAGE DETAILS

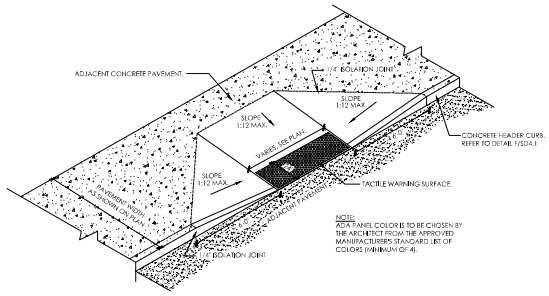
DATE ISSUED:
6/10/2024



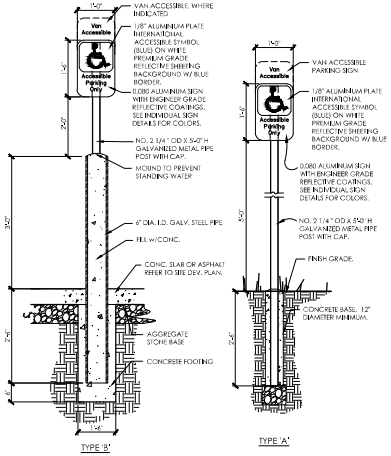
ACCESSIBLE PAVEMENT MARKING (J/SD4.2)
SCALE: 1/4" = 1'-0"



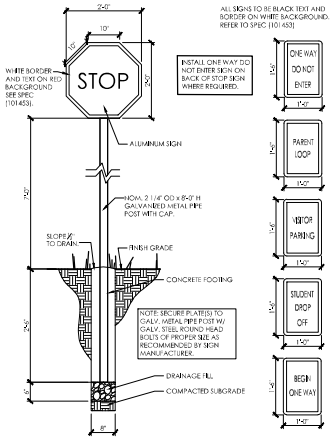
CONCRETE RAMP W/ DETECTABLE WARNING PANEL (K/SD4.2)
SCALE: 3/4" = 1'-0"



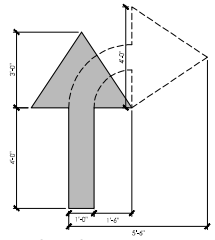
ACCESSIBLE DROPPED CURB - TYPE A (J/SD4.2)
SCALE: N.T.S.



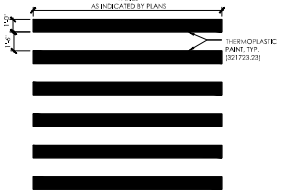
ACCESSIBLE PARKING SIGNS (101424) (I/SD4.2)
SCALE: 3/4" = 1'-0"



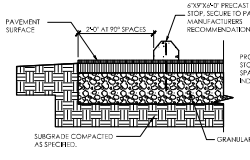
TRAFFIC SIGNAGE (101424) (H/SD4.2)
SCALE: 3/4" = 1'-0"



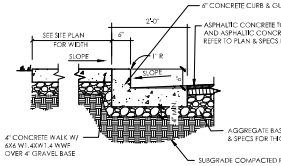
TRAFFIC ARROW (G/SD4.2)
SCALE: 1/2" = 1'-0"



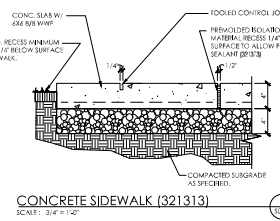
PAINTED CROSS WALK (321723.23) (E/SD4.2)
SCALE: 1/4" = 1'-0"



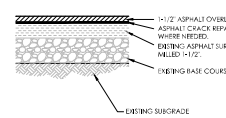
CONCRETE WHEEL STOP (321713) (F/SD4.2)
SCALE: 1-1/2" = 1'-0"



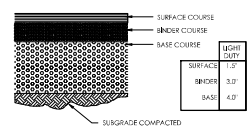
CONCRETE CURB AND GUTTER (321613) (D/SD4.2)
SCALE: 3/4" = 1'-0"



CONCRETE SIDEWALK (321313) (C/SD4.2)
SCALE: 3/4" = 1'-0"



ASPHALT MILLING AND OVERLAY (B/SD4.2)
SCALE: 1-1/2"=1'-0"



	LIGHT DUTY
SURFACE	1.5"
BINDER	3.0"
BASE	4.0"

ASPHALT PAVEMENT (321216) (A/SD4.2)
SCALE: 1-1/2=1'-0"

rosstarrant architects
10 Old Bellevue Avenue Bellevue, Kentucky 40207 p 859-261-4018

NOT FOR CONSTRUCTION

SITE DETAILS

Franklin-Simpson High School CTE Renovation & ALT School Addition
FOR:
Franklin County Board of Education
400 S College St, Frankin, KY 42134

M.E.&P. Engineer:
MARCUM ENGINEERING, LLC
300 South 17th Street
Paducah, KY 42003
p 270.444.9774
Structural Engineer:
BFW, INC.
300 South 17th Street
Paducah, KY 42003
p 270.443.1993
Construction Manager:
Alliance Corporation
116 E. College Street
Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No: 23066
Drawn By: ELM/EGS
Pen-Ts By: MBM/MVR

SHEET RELEASE

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DESIGN DEVELOPMENT

SD4.2

SITE DETAILS

DATE ISSUED:
6/10/2024

REVISIONS		
#	DATE	DESCRIPTION

CODES AND MANUALS

KENTUCKY BUILDING CODE, 2018 EDITION
INTERNATIONAL BUILDING CODE, 2018 EDITION
ASCE STANDARD MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES: SEI/ASCE 7-10
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, ACI 530-13
SPECIFICATION FOR MASONRY STRUCTURES, ACI 530.1-13
AISC MANUAL OF STEEL CONSTRUCTION 14TH EDITION
SJI STANDARD SPECIFICATIONS FOR STEEL JOISTS AND JOIST GIRDERS, 2010 EDITIONS
SDI DIAPHRAGM DESIGN MANUAL, 3RD EDITION
AWS D1.1 AND D1.3

MATERIAL SPECIFICATIONS

CAST-IN-PLACE CONCRETE:
4,000 PSI - 28 DAY COMPRESSIVE STRENGTH
0.50 MAXIMUM WATER/CEMENT RATIO
4 INCH SLUMP, PLUS OR MINUS 1 INCH
6% AIR CONTENT FOR FOUNDATIONS, PLUS OR MINUS 1.5%
3% MAXIMUM AIR CONTENT FOR FLOOR SLAB

CONCRETE MASONRY: f'm = 2,500 PSI
CMU: ASTM C90, NORMAL-WEIGHT, 3,250 PSI
MORTAR: TYPE S
GROUT: 2,500 PSI

REINFORCING STEEL:
ASTM A615, GRADE 60, DEFORMED

STRUCTURAL STEEL:
W-SHAPES: ASTM A992
CHANNELS, ANGLES: ASTM A36
PLATE AND BAR: ASTM A36
BOLTS: ASTM A325

METAL DECK:
ASTM A653, STRUCTURAL STEEL (SS), GRADE 33
G90 ZINC COATING FOR ROOF DECK

DESIGN CRITERIA

1. GENERAL:
A. RISK CATEGORY: III

2. DEAD LOADS: MATERIALS ASSUMED IN THE DESIGN ARE SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD CARRYING CAPACITY OF THE STRUCTURE.

3. LIVE LOADS:
A. FIRST FLOOR SLAB-ON-GRADE = 100 PSF; 2,000 LBS
B. ROOFS = 20 PSF

4. SNOW LOADS:
A. GROUND SNOW LOAD PG = 15 PSF
B. IMPORTANCE FACTOR IS = 1.1
C. EXPOSURE FACTOR CE = 0.9
D. THERMAL FACTOR CT = 1.0
E. FLAT ROOF SNOW LOAD PF = 20 PSF (INCLUDES 5 PSF RAIN-ON-SNOW SURCHARGE)

5. WIND LOADS:
A. ULTIMATE WIND SPEED VULT = 120 MPH
B. NOMINAL WIND SPEED VASD = 93 MPH
C. EXPOSURE CATEGORY = C
D. INTERNAL PRESSURE COEFFICIENT = +-0.18
E. COMPONENTS AND CLADDING PRESSURES:
a. ROOF ZONE 1: 10 SQ.FL = 16.0 PSF; -31.4 PSF
b. ROOF ZONE 1: 20 SQ.FL = 16.0 PSF; -30.6 PSF
c. ROOF ZONE 1: 50 SQ.FL = 16.0 PSF; -29.5 PSF
d. ROOF ZONE 1: 100 SQ. FL = 16.0 PSF; -28.7 PSF
e. ROOF ZONE 2: 10 SQ. FL = 16.0 PSF; -52.7 PSF WALLS ZONE 4: 10 SQ.FL = 28.7 PSF; -31.1 PSF
f. ROOF ZONE 2: 20 SQ. FL = 16.0 PSF; -47.1 PSF WALLS ZONE 4: 50 SQ.FL = 25.8 PSF; -28.2 PSF
g. ROOF ZONE 2: 50 SQ. FL = 16.0 PSF; -39.6 PSF WALLS ZONE 4: 100 SQ. FL = 24.5 PSF; -26.9 PSF
h. ROOF ZONE 2: 100 SQ. FL = 16.0 PSF; -34.0 PSF WALLS ZONE 4: 500 SQ. FL = 21.5 PSF; -23.9 PSF
i. ROOF ZONE 3: 10 SQ. FL = 16.0 PSF; -79.3 PSF WALLS ZONE 5: 10 SQ. FL = 28.7 PSF; -38.3 PSF
j. ROOF ZONE 3: 20 SQ. FL = 16.0 PSF; -65.7 PSF WALLS ZONE 5: 50 SQ. FL = 25.8 PSF; -29.8 PSF
k. ROOF ZONE 3: 50 SQ. FL = 16.0 PSF; -47.6 PSF WALLS ZONE 5: 100 SQ. FL = 24.5 PSF; -27.3 PSF
l. ROOF ZONE 3: 100 SQ. FL = 16.0 PSF; -34.0 PSF WALLS ZONE 5: 500 SQ. FL = 21.5 PSF; -23.9 PSF

6. SEISMIC LOADS:
A. SITE CLASS = D
B. IMPORTANCE FACTOR IE = 1.25
C. SPECTRAL RESPONSE ACCEL. FOR SHORT PERIODS SS = 0.3
D. SPECTRAL RESPONSE ACCEL. FOR 1 SEC. PERIODS S1 = 0.15
E. DESIGN SPECTRAL RESPONSE ACCEL. FOR SHORT PERIODS SDS = 0.307
F. DESIGN SPECTRAL RESPONSE ACCEL. FOR 1 SEC. PERIODS SD1 = 0.211
G. SEISMIC DESIGN CATEGORY =D
H. SEISMIC FORCE RESISTING SYSTEM = SPECIAL REINFORCED MASONRY SHEAR WALLS
I. RESPONSE MODIFICATION FACTOR R = 5
J. SEISMIC RESPONSE COEFFICIENT CS = 0.77
K. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
L. DESIGN BASE SHEAR 54.4 KIPS

7. GEOTECHNICAL:
A. NET ALLOWABLE SOIL BEARING PRESSURE
= 1,500 PSF FOR SPREAD FOOTINGS
= 1,500 PSF FOR STRIP FOOTINGS

SLAB-ON-GRADE

1. THE SLAB-ON-GRADE CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE ON PLASTIC VAPOR RETARDER ON 4" OF COMPACTED POROUS AGGREGATE FILL. REINFORCE THE SLAB WITH WWF 6x6-W2.9xW2.9 (FLAT SHEETS ONLY). WWF SHALL BE ADEQUATELY SUPPORTED BY AND TIED TO WIRE SLAB BOLSTERS. THE USE OF MASONRY BLOCKS TO SUPPORT THE WWF IS PROHIBITED.

2. PROVIDE CONTROL JOINTS (AND CONSTRUCTION JOINTS IF NEEDED) IN THE SLAB-ON-GRADE PER THE TYP. SLAB-ON-GRADE JOINT CONSTRUCTION DETAIL. CONTROL JOINTS SHALL BE LOCATED AT COLUMN CENTERLINES AND SPACED AT 12'-0" MAXIMUM IN BETWEEN. FOR SLABS 6" AND THICKER THE MAXIMUM SPACING OF CONTROL JOINTS MAY BE INCREASED TO 15'-0".

3. ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A-185. LAP ADJOINING PIECES AT LEAST ONE FULL MESH.

4. SLAB JOINTS SHALL BE FILLED WITH APPROVED MATERIAL. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE, PREFERABLY 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS, THEN FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS FOLLOWS:
A. 6" SLABS - FILL WITH EPOXY RESIN
B. OTHER SLABS - FILL WITH FIELD MOLDED OR ELECTROMETRIC SEALANT

5. WALKWAYS AND OTHER EXTERIOR SLABS ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS, SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS.

6. SEE THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS, SLOPE SLABS TO DRAINS.

7. ALL GROUND LEVEL, NON-LOAD BEARING CMU WALLS SHALL BEAR ON A THICKENED SLAB WHETHER THEY ARE NOTED ON PLAN OR NOT. SEE THE "THICKENED SLAB-ON-GRADE AT STAIR / NON-BEARING CMU WALL" FOR REQUIRED CONSTRUCTION OF THE THICKENED SLAB.

GENERAL

1. THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS AND DIGITAL MEDIA (PLANS) PREPARED BY BFW ENGINEERING & TESTING, INC. (ENGINEER) FOR THIS PROJECT ARE INSTRUMENTS OF THE ENGINEER'S SERVICE, AND MAY BE USED SOLELY WITH RESPECT TO THIS PROJECT AND, UNLESS OTHERWISE PROVIDED, THE ENGINEER SHALL BE DEEMED THE AUTHOR OF THESE PLANS AND RETAIN ALL COMMON LAW RIGHTS, TITLES AND INTEREST THEREIN. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES, INCLUDING REPRODUCIBLE COPIES, OF THE ENGINEER'S DRAWINGS, SPECIFICATIONS, OTHER DOCUMENTS AND DIGITAL MEDIA FOR INFORMATION & REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT. THE ENGINEER'S DRAWINGS, SPECIFICATIONS, OTHER DOCUMENTS AND DIGITAL MEDIA SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THE PROJECT BY OTHERS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION, WAIVER OF CLAIMS AND INDEMNITY TO THE ENGINEER. BFW ENGINEERING & TESTING, INC. SHALL NOT BE LIABLE FOR ANY HARM OR DAMAGE SUFFERED BY ANY PARTY BY REASON OF THE UNAUTHORIZED USE OF THESE PLANS. BFW ENGINEERING & TESTING, INC. EXPRESSLY RESERVES ITS COPYRIGHTS IN THESE PLANS. THESE PLANS MAY NOT BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, INCLUDING SHOP DRAWINGS, NOR MAY THEY BE ASSIGNED OR OTHERWISE MADE AVAILABLE TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF BFW ENGINEERING & TESTING, INC.

2. STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO THE SHOP DRAWINGS AND FIELD WORK.

3. STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES AND SEQUENCE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

5. COORDINATE DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, BLOCKOUTS, ETC. WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, PROJECT SHOP DRAWINGS, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL.

6. SEE ARCHITECTURAL PLANS FOR INTERIOR NON-BEARING PARTITION WALLS. PARTITION FRAMING SHALL BE CONNECTED TO THE PRIMARY STRUCTURE TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF SPAN/360 FOR FLOOR FRAMING AND SPAN/240 FOR ROOF FRAMING.

7. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

9. DO NOT SCALE DRAWINGS.

10. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.

11. SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.

13. PERIODIC SITE OBSERVATION BY THE STRUCTURAL ENGINEER IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

14. NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.

15. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA, INCLUDING THE FOLLOWING REQUIREMENTS FROM STANDARDS - 29 CFR, SECTION 1926, SUBPART R:

A. THE STEEL ERECTION CONTRACTOR SHALL NOT ERECT STEEL UNLESS THEY HAVE RECEIVED WRITTEN NOTIFICATION FROM THE CONTRACTOR THAT THE CONCRETE IN THE FOOTINGS, PIERS AND WALLS OR THE MORTAR IN THE MASONRY PIERS AND WALLS HAS ATTAINED, ON THE BASIS OF AN APPROPRIATE ASTM STANDARD TEST METHOD OF FIELD-CURED SAMPLES, EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE DESIGN STRENGTH OR SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED DURING STEEL ERECTION.
a. PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.
B. ANCHOR RODS (ANCHOR BOLTS) SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.
a. PRIOR TO ERECTION OF COLUMNS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE STEEL ERECTOR IF THERE HAS BEEN ANY REPAIR, REPLACEMENT OR MODIFICATION OF THE ANCHOR RODS (ANCHOR BOLTS).
b. PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.
C. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST OR STEEL JOIST GIRDER SHALL BE MADE WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.
D. METAL DECKING HOLES AND OPENINGS SHALL NOT BE CUT UNTIL IMMEDIATELY PRIOR TO BEING PERMANENTLY FILLED WITH THE EQUIPMENT OR STRUCTURE, OR SHALL BE IMMEDIATELY COVERED.

EXISTING CONSTRUCTION

1. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

3. WELDING TO AND WITHIN AN EXISTING FACILITY PRESENTS POTENTIAL HAZARDS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY MEANS TO MITIGATE THESE HAZARDS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL SHORING NECESSARY TO SAFEGUARD THE EXISTING STRUCTURE. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR SHORING, BRACING AND PROTECTION OF THE EXISTING CONSTRUCTION. THE PLAN SHALL INCLUDE A CONSTRUCTION SEQUENCE, BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE THE PROJECT IS LOCATED IN, AND BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO BEGINNING THE WORK.

FOUNDATION

1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR COMPACTED FILL CAPABLE OF SUPPORTING A DESIGN BEARING PRESSURE AS INDICATED IN THE DESIGN CRITERIA. ALL FOUNDATION EXCAVATIONS SHALL EVALUATED BY THE GEOTECHNICAL ENGINEER / TESTING AGENCY PRIOR TO POURING FOUNDATION CONCRETE.

2. FOR INFORMATION ON SOIL CONDITION AND SPECIAL SOIL CONDITIONS ON EXCAVATION, FILLING, AND BACKFILLING SEE THE GEOTECHNICAL EXPLORATION REPORT. FOR CONDITIONS WHERE ENGINEERED FILL IS REQUIRED, PLACEMENT AND COMPACTION SHALL BE OVERSEEN BY THE TESTING AGENCY.

3. TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE.

4. ALL SPREAD FOOTINGS SHALL BE CENTERED BENEATH THE COLUMNS. ALL CONTINUOUS WALL FOOTINGS SHALL BE CENTERED BENEATH THE WALLS, UNLESS NOTED OTHERWISE.

5. NO UNBALANCED BACKFILLING SHALL BE DONE AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY BRACING OR BY PERMANENT CONSTRUCTION.

6. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.

7. ALL RETAINING WALLS SHALL HAVE AT LEAST 12" OF FREE DRAINING GRANULAR BACKFILL, FULL HEIGHT OF WALL. PROVIDE CONTROL JOINTS IN RETAINING WALLS AT APPROXIMATELY EQUAL INTERVALS NOT TO EXCEED 25 FEET NOR 3 TIMES THE WALL HEIGHT. PROVIDE EXPANSION JOINTS AT EVERY FOURTH CONTROL JOINT.

8. PLACE FOOTINGS IN THE SAME DAY EXCAVATIONS ARE OPENED. IF THIS IS NOT POSSIBLE, ADEQUATELY PROTECT THE EXPOSED MATERIAL IN THE BASES OF THE FOOTING EXCAVATIONS FROM ANY DETRIMENTAL CHANGE IN CONDITION SUCH AS DISTURBANCE FROM RAIN OR FREEZING. PREVENT SURFACE RUNOFF FROM ENTERING EXCAVATIONS.

9. MECHANICAL OPENINGS THROUGH CONCRETE WALLS & SLABS LARGER THAN 8 INCHES IN DIAMETER, NOT SHOWN ON THE STRUCTURAL DRAWINGS, MUST BE APPROVED BY THE ENGINEER. OPENINGS 8 INCHES IN DIAMETER OR LESS SHALL HAVE AT LEAST 1 FOOT CLEAR BETWEEN OPENINGS UNLESS APPROVED BY THE ENGINEER. COORDINATE THE INSTALLATION OF SLEEVES WITH THE CONSTRUCTION OF FORMWORK & INSTALLATION OF REINFORCING STEEL.

10. ALL OPENINGS THROUGH CONCRETE FOOTINGS, CONCRETE FOUNDATION WALLS, AND CMU FOUNDATION WALLS NOT SHOWN ON PLAN MUST BE COORDINATED AND APPROVED BY S.E.O.R. COORDINATE THE INSTALLATION OF SLEEVES WITH THE CONSTRUCTION FORMWORK AND INSTALLATION OF REINFORCING STEEL.

11. ALL VERTICAL REINFORCEMENT DOWELS IN WALLS AND PIERS SHALL BE TIED TO THE BOTTOM REINFORCEMENT MAT OF THE FOOTINGS. "FLOATING" THE DOWELS INTO PLACE DURING CONCRETE PLACEMENT WILL NOT BE PERMITTED.

STEEL DECK

1. ALL STEEL DECK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS.

2. PROVIDE A MINIMUM OF 1 1/2" BEARING FOR ALL STEEL DECK.

3. ALL SPLICES AND LAPS SHALL BE A OF 2" AND SHALL BE LOCATED DIRECTLY ABOVE SUPPORTS.

4. DECKING SHALL BE CONTINUOUS OVER TWO OR MORE SPANS.

5. POWDER DRIVEN FASTENERS SHALL BE EQUIVALENT TO:
A. HILTI X-HSN 24 FOR STEEL BASE MATERIAL < 3/8"
B. HILTI X-ENP 10L15 FOR STEEL BASE MATERIAL > 3/8"
C. HILTI ENP-19 FOR STEEL BASE MATERIAL 1f-1/4"

6. SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS AND OTHER PERMANENT SUSPENDED LOADS SHALL NOT BE SUPPORTED BY THE METAL DECKING.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315).

2. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND INDICATED FIELD-BENT BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40.

3. TENSION AND COMPRESSION LAPS IN REINFORCING SHALL BE IN ACCORDANCE WITH ACI 318, CHAPTER 12. THE MINIMUM LAP SHALL BE 30 BAR DIAMETERS (18" MINIMUM), UNLESS NOTED OTHERWISE ON THE DRAWINGS.

4. MINIMUM LAP LENGTH OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE TABLE BELOW. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND 4,000 psi NORMAL WEIGHT CONCRETE. LENGTHS ARE IN INCHES.

BAR SIZE	BAR DIA. (INCHES)	SPLICE LENGTH TOP BARS	SPLICE LENGTH OTHER BARS
#3	0.375	24	19
#4	0.50	32	25
#5	0.625	40	31
#6	0.75	48	37
#7	0.875	70	54
#8	1.000	80	62
#9	1.125	91	70
#10	1.250	102	79
#11	1.375	113	87

TABULATED VALUES SHALL ONLY BE USED FOR INSTANCES WHERE THE CONCRETE COVER IS AT LEAST 1.0 BAR DIAMETER AND THE CENTER TO CENTER SPACING OF THE BARS IS AT LEAST 3.0 BAR DIAMETERS. CONTACT THE ENGINEER FOR LAP SPLICE LENGTHS FOR BARS WITH LESS COVER OR SPACING'S.

5. CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER:
a. BARS LARGER THAN NO. 5: 2"
b. BARS NO. 5 OR SMALLER: 1 1/2"
C. SLAB ON GRADE: 1 1/2" FROM TOP OF SLAB
D. STRUCTURAL SLABS ON METAL DECK: 1" FROM TOP OF SLAB

6. FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

7. REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.

8. BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS. DO NOT INSERT REINFORCEMENT INTO CONCRETE DURING CONCRETE PLACEMENT.

9. DECK CHAIRS SHALL BE PROVIDED FOR ALL WELDED WIRE FABRIC.

10. PROVIDE FOOTING DOWELS FOR VERTICAL WALL REINFORCEMENT. DOWELS SHALL BE THE SAME SIZE & SPACING AS THE VERTICAL WALL REINFORCEMENT, UNLESS NOTED OTHERWISE, WITH LAP SPLICES AS INDICATED ON THE APPLICABLE SECTIONS. THIS WILL INCLUDE REINFORCEMENT ON EITHER SIDE OF DOORS & WINDOWS, PILASTERS UNDER LINTELS, ADDITIONAL REINFORCEMENT AT CORNERS & INTERSECTIONS OF REINFORCED WALLS, & ANY OTHER VERTICAL CMU WALL REINFORCEMENT INDICATED ON THE PLANS. INSTALL DOWELS IN THE FOOTING FORMS BEFORE CONCRETE IS PLACED, SUPPORTED & TIED SECURELY IN PLACE. INSTALLATION OF DOWELS AFTER THE CONCRETE IS PLACED WILL NOT BE PERMITTED.

POST INSTALLED ANCHORS

1. ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO CONCRETE SHALL BE HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM, SIMPSON SET-XP EPOXY-TIE ANCHORING SYSTEM, ITW RED HEAD EPCON G6+ ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

2. ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO GROUT FILLED MASONRY SHALL BE HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM, SIMPSON SET-XP EPOXY-TIE ANCHORING SYSTEM, ITW RED HEAD EPCON G6+ ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

3. ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO HOLLOW MASONRY AND/OR BRICK SHALL BE HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM, SIMPSON SET-XP EPOXY-TIE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

4. ALL POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE HILTI KWIK HUS EZ SCREW ANCHOR, SIMPSON TITEN HD SCREW ANCHOR, ITW RED HEAD TAPCON LDT ANCHOR, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

5. ALL POST INSTALLED MECHANICAL ANCHORS INTO GROUT FILLED MASONRY SHALL BE HILTI KWIK HUS EZ SCREW ANCHOR, SIMPSON TITEN HD SCREW ANCHOR, ITW RED HEAD TAPCON LDT ANCHOR, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

6. ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.

7. SUBMIT ALL PROPOSED ANCHORING SYSTEMS INCLUDING ICC-ES REPORTS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301.

2. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.

3. NORMAL WEIGHT CONCRETE:
A. F'C = 4500 PSI @ 28 DAYS - ALL EXPOSED EXTERIOR CONCRETE FLAT WORK (I.E., SLABS, EQUIPMENT PADS, ETC.).
B. F'C = 4000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEDESTALS, RETAINING WALLS, ETC.).
C. F'C = 4000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE.
D. F'C = 4000 PSI @ 28 DAYS - ALL CONCRETE FILL OVER METAL DECK.

4. USE AIR-ENTRAINING ADMIXTURE IN ALL CONCRETE, EXCEPT AIR ENTRAINMENT SHALL BE OMITTED FROM CONCRETE SLABS TO RECEIVE A STEEL TROWEL FINISH.

5. THE CONTRACTOR SHALL NOT CAST STEM WALLS OR RETAINING WALLS AGAINST EXCAVATED VERTICAL SIDE SURFACES.

6. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

7. UNLESS OTHERWISE NOTED, ALL ONE WAY SLABS SHALL BE REINFORCED AS FOLLOWS:
A. BOTTOM REINFORCING #4 @ 16" O.C. (BETWEEN SUPPORTS)
B. TOP REINFORCING #4 @ 12" O.C. (CENTERED ON SUPPORTS)
C. TEMP. REINFORCING #4 @ 18" O.C. (TRANSVERSE BOTTOM)

8. IN ORDER TO AVOID CONCRETE SHRINKAGE CRACKING, PLACE CONCRETE SLABS IN AN ALTERNATING LANE PATTERN. THE MAXIMUM LENGTH OF SLAB CAST IN ANY ONE CONTINUOUS POUR SHALL BE LIMITED TO 80 FEET.

9. FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF ITS 28 DAY COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.

10. CONCRETE MATERIALS:
A. PORTLAND CEMENT: ASTM C150, TYPE I or TYPE III
B. AGGREGATES: ASTM C33
C. AIR ENTRAINING ADMIXTURE: ASTM C260
D. WATER: ASTM C94

11. CONCRETE MIXTURES:
A. MAXIMUM W/C RATIO: 0.50
B. SLUMP LIMIT: 4 INCHES (8 INCHES FOR CONCRETE WITH VERIFIED SLUMP OF 2 TO 4 INCHES BEFORE ADDING HIGH-RANGE WATER-REDUCING ADMIXTURE (ASTM C494) OR PLASTICIZING ADMIXTURE (ASTM C494), PLUS OR MINUS 1 INCH.
C. AIR CONTENT: 6.0%, PLUS OR MINUS 1.5% AT POINT OF DELIVERY FOR 1-INCH NOMINAL MAXIMUM AGGREGATE SIZE.
D. AIR CONTENT: DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3 PERCENT.

12. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES, FOR A MINIMUM OF 7 DAYS.

STEEL JOISTS

1. ALL STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH SJI STANDARD SPECIFICATIONS.

2. JOIST BRIDGING SHALL CONFORM TO SJI SPECIFICATIONS. PROVIDE DIAGONAL BRIDGING AT ALL BEAMS AND END BAYS. FIELD WELD BRIDGING AT ENDS AND INTERSECTIONS. ALL JOISTS FORTY (40) FEET AND LONGER REQUIRE A ROW OF BOLTED CROSS BRIDGING TO BE IN PLACE BEFORE SLACKENING OF HOISTING LINES.

3. ALL JOISTS SHALL BE PROPERLY ANCHORED AT BEARINGS. SEE TYPICAL DETAILS.

4. JOIST BRIDGING AND CONNECTIONS SHALL BE COMPLETELY INSTALLED PRIOR TO PLACING ANY CONSTRUCTION LOADS ON THE JOISTS. CONSTRUCTION LOADING SHALL NOT EXCEED THE JOIST DESIGN LOAD.

5. ALL ROOF JOISTS SHALL BE DESIGNED FOR A NET WIND UPLIFT AS SPECIFIED IN THE "DESIGN CRITERIA" NOTES (20 PSF NET MINIMUM). PROVIDE AN ADDITIONAL ROW OF CONTINUOUS HORIZONTAL BOTTOM CHORD BRIDGING AT THE FIRST PANEL POINT LOCATION AT EACH END OF ALL ROOF JOISTS. UPLIFT BRIDGING SHALL TERMINATE WITH DIAGONAL BRIDGING AT ALL END BAYS.

6. ALL JOISTS SHALL BE SHOP PAINTED IN ACCORDANCE WITH SJI REQUIREMENTS.

7. THE JOIST MANUFACTURER SHALL SUBMIT CALCULATIONS FOR ALL SPECIAL JOISTS TO THE ENGINEER FOR RECORD PURPOSES PRIOR TO FABRICATION. THESE CALCULATIONS SHALL BEAR THE SIGNED AND DATED SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE MANUFACTURED.

8. THE JOIST MANUFACTURER SHALL BE A SJI CERTIFIED SHOP AND MAINTAIN APPROVED FABRICATION PROCEDURES.

9. THE CONTRACTOR SHALL ENSURE THAT NO CUTS OR HOLES ARE MADE IN THE MEMBERS OF THE ERECTED JOISTS FOR ATTACHMENT OF CEILING, DUCTS, PIPES OR ANY OTHER ITEMS NOT SPECIFICALLY SHOWN IN THE CONTRACT DRAWINGS. THE USE OF POWER DRIVEN FASTENERS IN THE DIAGONAL AND BOTTOM CHORD MEMBERS OF THE JOISTS IS PROHIBITED.

10. THE CONTRACTOR SHALL NOT HANG ANY ELEMENTS FROM THE TOP OR BOTTOM CHORDS OF THE JOISTS EXCEPT CEILING, DUCTS, PIPES OR OTHER ITEMS SPECIFICALLY SHOWN OF THE CONTRACT DOCUMENTS, WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER. ALL PIPES, DUCTS AND OTHER MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SUSPENDED FROM THE JOISTS SHALL HAVE THE HANGER ATTACHED AT A JOIST PANEL POINT ONLY. ALL CEILINGS WEIGHING 3 PSF OR LESS MAY HAVE THE GRID HUNG ANYWHERE ALONG THE BOTTOM CHORD. CEILINGS WEIGHING MORE THAN 3 PSF SHALL HAVE THE GRID HUNG ONLY AT JOIST PANEL POINTS. HEAVY PIPES, DUCTS, OR OTHER EQUIPMENT HUNG FROM BAR JOISTS MAY REQUIRE ADDITIONAL JOIST REINFORCEMENT AND SHALL BE REFERRED TO THE ENGINEER FOR FRAMING.

MASONRY

1. ALL CONCRETE MASONRY UNITS SHALL COMPLY WITH ASTM C90, LIGHT-WEIGHT WITH A MIN. COMPRESSIVE STRENGTH OF 2,000 PSI. MORTAR SHALL BE TYPE S. GROUT F'C = 2,500 PSI, MINIMUM. F'M = 2,000 PSI.

2. CELLS CONTAINING REBAR SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL. ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID UP TO GRADE. CELLS CONTAINING EXPANSION ANCHORS SHALL BE GROUTED SOLID.

3. ALL VERTICAL REBAR SHALL BE IN PLACE AND SECURED WITH REBAR POSITIONERS PRIOR TO GROUTING.

4. UNLESS OTHERWISE NOTED MASONRY CELLS SHALL BE GROUTED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (MAXIMUM 5 FOOT GROUT LIFTS).

5. MINIMUM LAP LENGTH OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE TABLE BELOW. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND MINIMUM NET-AREA COMPRESSIVE STRENGTH (f'm) EQUAL TO OR GREATER THAN 2500 PSI. LENGTHS ARE IN INCHES.

MASONRY LAP SCHEDULE (E.F.)			
BAR NUMBER	8" WALL LAP LENGTH	10" WALL LAP LENGTH	12" WALL LAP LENGTH
3	18	18	18
4	24	24	24
5	31	31	31
6	57	57	57
7	78	78	78
8	117	117	117
9	148	148	148
10	189	189	189

MASONRY LAP SCHEDULE (CENTERED)			
BAR NUMBER	8" WALL LAP LENGTH	10" WALL LAP LENGTH	12" WALL LAP LENGTH
3	18	18	18
4	24	24	24
5	30	30	30
6	36	36	36
7	46	42	42
8	69	55	48
9	87	69	57
10	111	88	73

6. ALL HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT (CORNER) BARS OF THE SAME SIZE AND A LAP AS NOTED ABOVE. VERTICAL STEEL SHALL CONTINUE THROUGH BOND BEAMS.

7. VERTICAL FLUSH WALL PILASTERS SHALL BE CONSTRUCTED FULL HEIGHT IN ALL CMU WALLS ADJACENT TO ALL WALL OPENINGS AND WALL INTERSECTIONS INCLUDING CORNER AND TEE INTERSECTIONS. PILASTERS SHALL BE 1'-4" IN LENGTH AND REINFORCED WITH (2)-# 5 BARS IN EACH CELL UNLESS NOTED OTHERWISE.

8. PROVIDE STANDARD TRUSS TYPE JOINT REINFORCING AT 16" ON CENTER (ALTERNATE COURSES), USE PREFABRICATED CORNERS AND TEES AT ALL WALL CORNERS AND INTERSECTIONS RESPECTIVELY.

9. PROVIDE A SLIDE BEARING CONNECTION FOR STEEL BEAMS BEARING ON MASONRY WALLS. SEE TYPICAL DETAIL FOR CONNECTION.

10. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR INFORMATION REGARDING MASONRY COLORS, FINISHES, BOND, ETC. AT ALL EXPOSED MASONRY WALLS.

11. ALL MASONRY WALL CONFIGURATIONS INCLUDING WALL OPENINGS SHALL BE COORDINATED WITH CIVIL, MECHANICAL, PLUMBING, ELECTRICAL AND DRAWINGS FROM ALL OTHER DISCIPLINES.

12. THE MASONRY CONTRACTOR SHALL PROVIDE TEMPORARY WALL BRACING DURING CONSTRUCTION AS NEEDED TO PREVENT DAMAGE TO THE WALLS.

13. PROVIDE LOOSE STEEL LINTELS FOR OPENINGS IN EXTERIOR FACE BRICK AS FOLLOWS. PROVIDE A MINIMUM BEARING LENGTH OF 8" AT BOTH ENDS OF THE LINTELS. LONG LEG OF ANGLES SHALL BE ORIENTED VERTICALLY. CONTROL JOINTS ARE ONLY ALLOWED ON ONE SIDE OF THE MASONRY OPENING.
A. FOR OPENING WIDTHS OF 6'-6" OR LESS USE A 4" x 3 1/2" x 5/16" ANGLE.
B. FOR OPENING WIDTHS BETWEEN 6'-6" AND 7'-6" USE A 5" x 3 1/2" x 5/16" ANGLE.
C. FOR OPENING WIDTHS BETWEEN 7'-6" AND 8'-6" USE A 6" x 3 1/2" x 5/16" ANGLE.

STRUCTURAL AND MISCELLANEOUS STEEL

1. ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".

2. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING UNLESS NOTED OTHERWISE:
A. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50.
B. MISCELLANEOUS STEEL MEMBERS, SUCH AS CHANNELS, ANGLES, FLAT BARS, AND PLATES SHALL CONFORM TO ASTM A36.
C. RECTANGULAR AND SQUARE STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. FY = 46 KSI.

3. BOLTS SHALL CONFORM TO ASTM A325 TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD A325 BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

4. ALL BOLTS SHALL BE INSTALLED IN A SNUG TIGHT CONDITION EXCEPT AT MOMENT CONNECTIONS, BRACED FRAME CONNECTIONS, AND AT CONNECTIONS DETAILED WITH A325SC BOLTS. AT THESE LOCATIONS, THE BOLTS SHALL BE TIGHTENED SO AS TO SHEAR THE SPLINE OFF THE BOLT.

5. ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF UNFAIR HOLES WILL NOT BE ALLOWED.

6. PROVIDE A SLIDE BEARING CONNECTION FOR STEEL BEAMS BEARING ON MASONRY WALLS. SEE TYPICAL DETAIL FOR CONNECTION.

7. SHELF ANGLES SUPPORTING FACE BRICK SHOWN ON THE DRAWINGS TO BE CONTINUOUS SHALL BE FURNISHED IN ONE PIECE BETWEEN BRICK CONTROL JOINTS. SEE ARCHITECT'S DRAWINGS FOR CONTROL JOINT LOCATION. PROVIDE A 1/4" GAP AT EACH JOINT. THE GAP SHALL NOT BE WELDED. PROVIDE SUPPORT FOR SHELF ANGLE NOT MORE THAN 1'-0" FROM EACH END AND IN BETWEEN AS SHOWN ON THE DRAWINGS. SHELF ANGLES SHALL BE CONTINUOUS AROUND CORNERS WITH CORNER JOINT COMPLETE PENETRATION WELDED.

8. THE FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND FOR THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.

SUBMITTALS

1. SHOP DRAWINGS FOR THE FOLLOWING ITEMS ARE TO THE SUBMITTED TO S.E.O.R. FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION
A. CONCRETE MIX DESIGN AND PRODUCT DATA
B. REINFORCING BARS FOR CONCRETE FOUNDATIONS
C. MASONRY PRODUCT DATA
D. MASONRY REINFORCEMENT
E. STRUCTURAL AND MISC. STEEL
F. STEEL JOISTS/GIRDERS
G. STEEL ROOF DECK
H. ROOF TOP UNIT PRODUCT DATA

SPECIAL INSPECTIONS - STRUCTURAL

PER CHAPTER 17 OF THE 2018 KENTUCKY BUILDING CODE

SECTION	ITEM	REQUIRED YES	REQUIRED NO	REMARKS
1704.2.5	FABRICATORS	X		Not req'd. if the Fabricator is approved in accordance with Section 1704.2.5.2.
1704.6	STRUCTURAL OBSERVATIONS	X		See Section 1704.6 for req'd verifications and inspections.
1705.2	STEEL CONSTRUCTION	X		See AISC 360-10 for req'd verifications & inspections.
1705.3	CONCRETE CONSTRUCTION	X		See Table 1705.3 for req'd verifications and inspections.
1705.4	MASONRY CONSTRUCTION	X		See TMS 402/ACI 530/ASCE 5 for req'd. verifications & inspections.
1705.5	WOOD CONSTRUCTION		X	Not used.
1705.6	SOILS	X		See Table 1705.6 for req'd. verifications & inspections.
1705.7	DRIVEN DEEP FOUNDATIONS		X	Not used.
1705.8	CAST-IN-PLACE DEEP FOUNDATIONS		X	Not used.
1705.9	HELICAL PILE FOUNDATIONS		X	Not used.
1705.11	INSPECTIONS FOR WIND RESISTANCE	X		See Section 1705.11 for req'd verifications and inspections.
1705.12	INSPECTIONS FOR SEISMIC RESISTANCE	X		See Section 1705.12 for req'd. verifications & inspections.
1705.13	TESTING & QUALIFICATION FOR SEISMIC RESISTANCE	X		See Section 1705.13 for req'd. verifications & inspections.

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

NOT FOR CONSTRUCTION

STRUCTURAL NOTES
SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION
FOR:
SIMPSON COUNTY BOARD OF EDUCATION
430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

M.E.&P. Engineer:
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Structural Engineer:
BFW, INC.
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p 270.443.1995
Construction Manager:
Alliance Corporation
116 E. College Street
Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No: BFW-24155
Drawn By: D. LAMPLEY
Rev'd By: P. HOLTHAUS

SHEET RELEASE	
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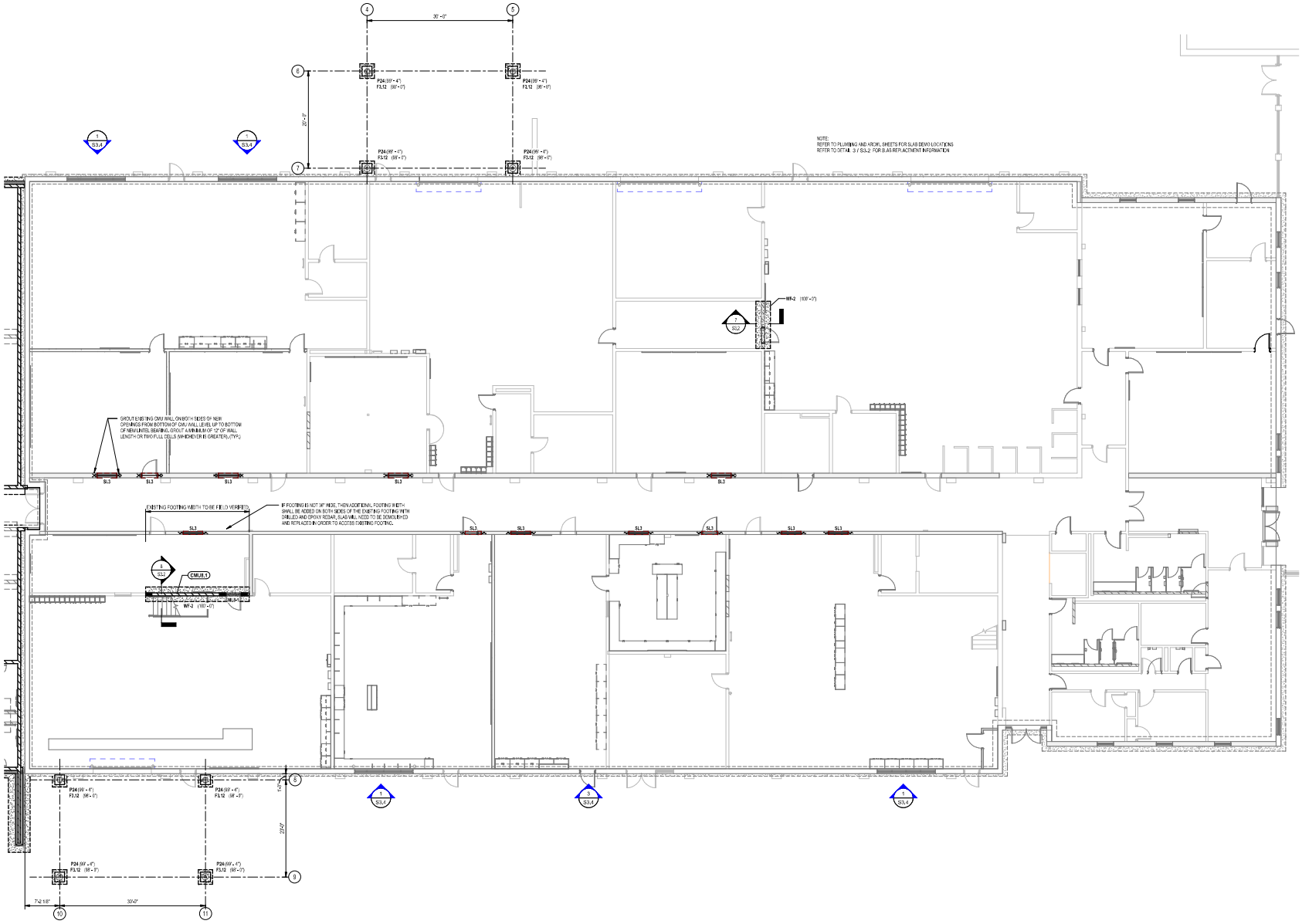
STRUCTURAL NOTES

DATE ISSUED:
07.11.2024

REVISIONS		
#	DATE	DESCRIPTION



1 EXISTING CTE STRUCTURAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

rossi arrant architects
101 - 4th Crossville Avenue Lexington, Kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

FOUNDATION PLAN - EXISTING BUILDING

SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION
FOR:
SIMPSON COUNTY BOARD OF EDUCATION
430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

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BG#

Project No:	BFW-24155
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTHAUS

SHEET RELEASE

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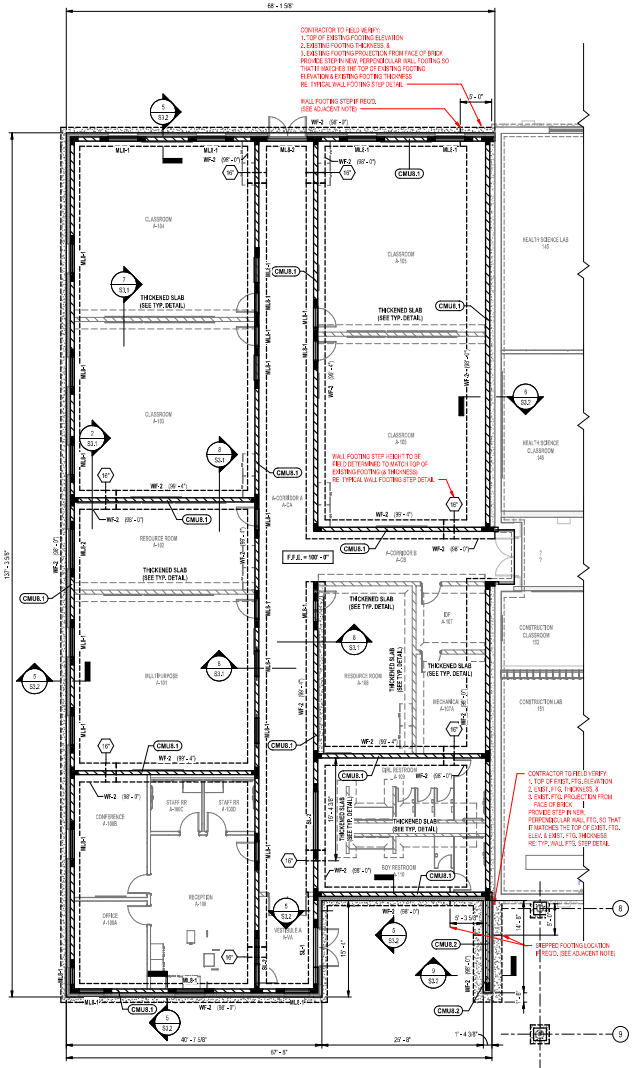
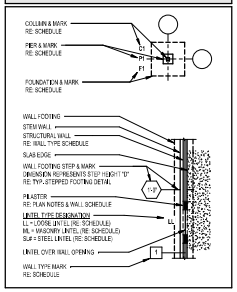
FOUNDATION PLAN - EXISTING BUILDING
DATE ISSUED:
07.11.2024

REVISIONS		
#	DATE	DESCRIPTION

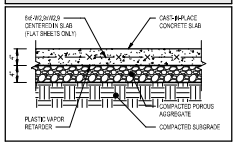


1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

GENERAL PLAN LEGEND



SLAB-ON-GRADE CONSTRUCTION



KEY PLAN

SCALE: NTS

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101 W. Kentucky Avenue Lexington, Kentucky 40502 p 859.254.4018

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FOUNDATION PLAN - NEW ADDITION

SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION
FOR:
SIMPSON COUNTY BOARD OF EDUCATION
430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

M.E.P. Engineer
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p 270.444.9274
Structural Engineer
MFW, INC.
300 South 17th Street
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p 270.443.1995
Construction Manager
Alliance Corporation
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Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No:	BTW-24155
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTRAUS

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FOUNDATION PLAN - NEW ADDITION
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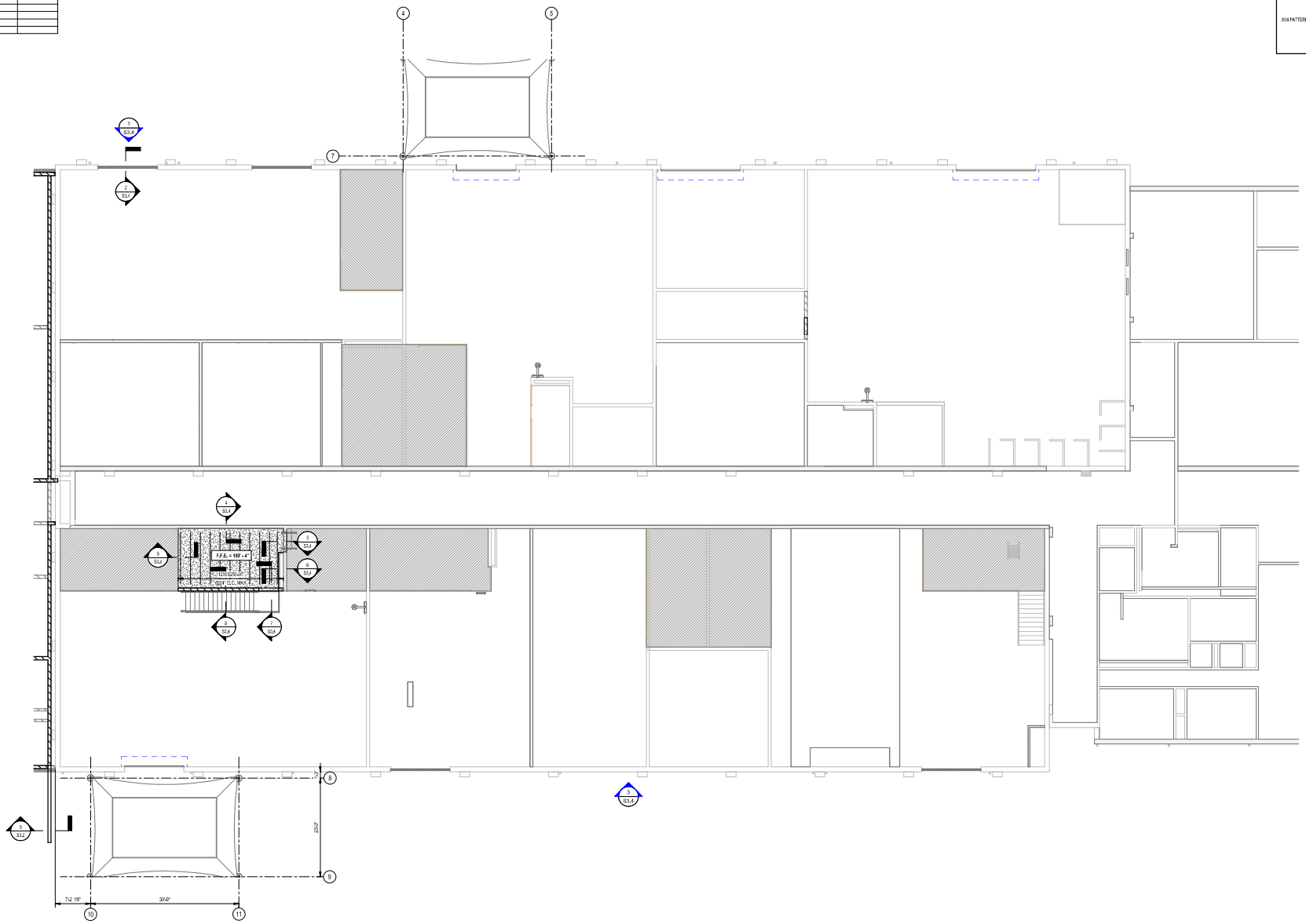
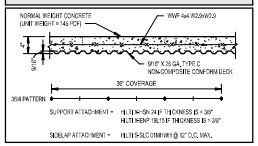
#	DATE	DESCRIPTION



1 TYPICAL DETAIL
PLATFORM

NON-COMPOSITEFLOOR DECK CONSTRUCTION



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STORAGE PLATFORM FRAMING PLAN

SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION

FOR:

SIMPSON COUNTY BOARD OF EDUCATION
430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

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BG#

Project No:	8FW-24153
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTHAUS

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STORAGE PLATFORM FRAMING PLAN

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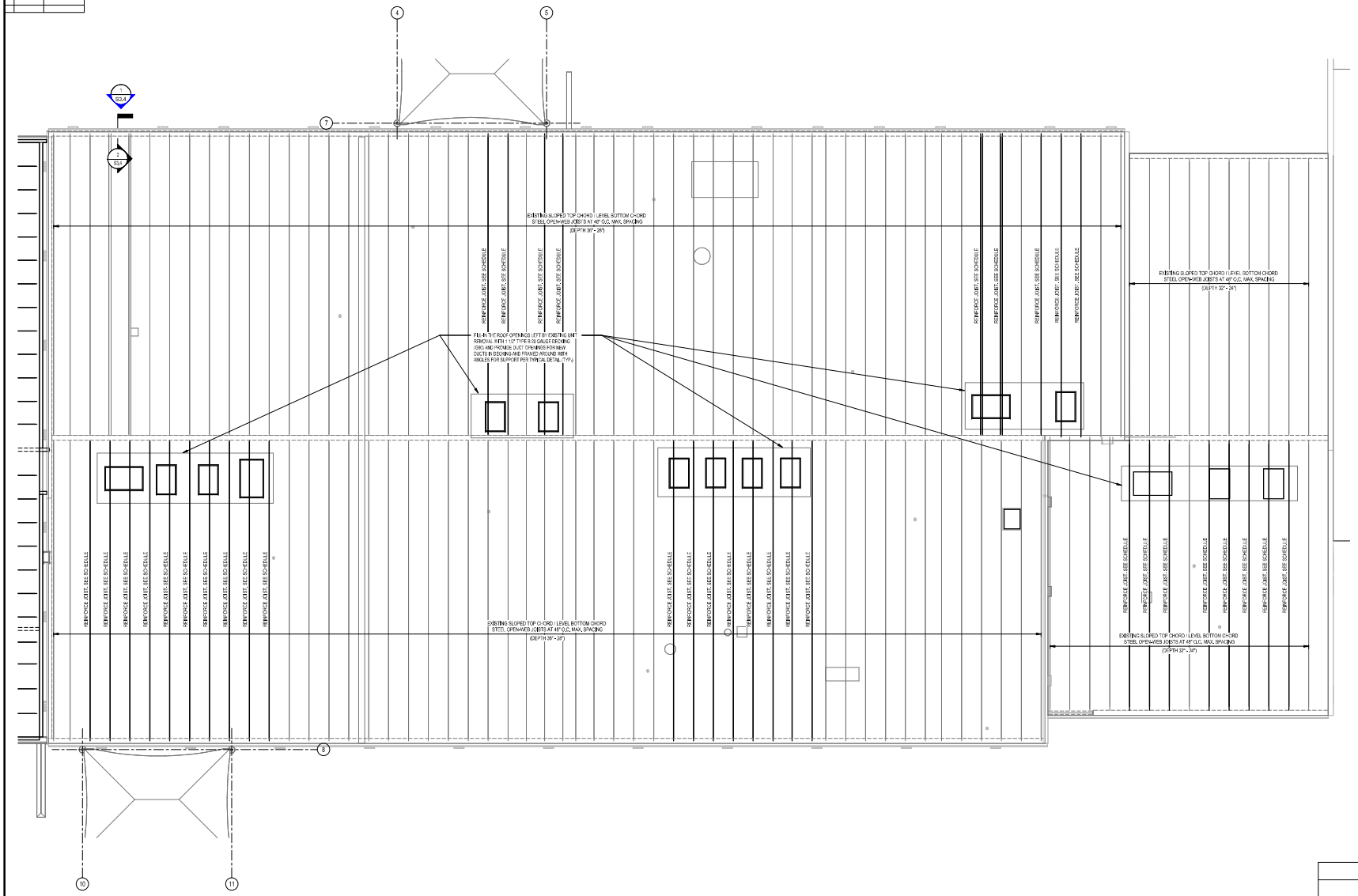
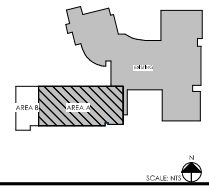


1 EXISTING ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

KEY PLAN



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101 4th Crossville Avenue Lexington, Kentucky 40502 p 859.254.4018

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ROOF FRAMING PLAN - EXISTING BUILDING
FOR:
SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION
430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

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BG#

Project No:	BFW-24155
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTHAUS

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ROOF FRAMING PLAN - EXISTING BUILDING
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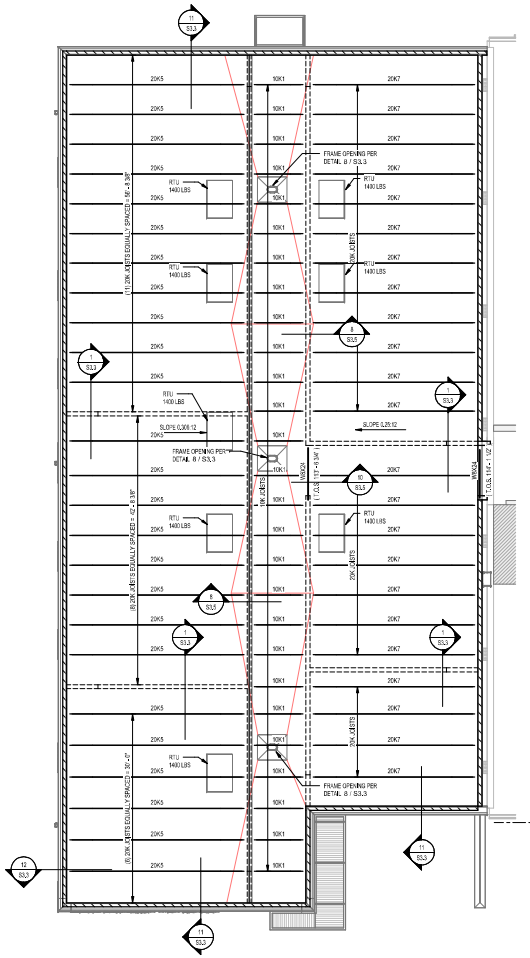
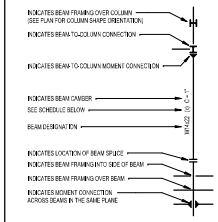


1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

STRUCTURAL STEEL LEGEND

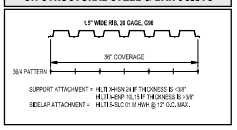
CONVENTIONAL CONSTRUCTION

NOTE: Bar joists shall bear on top of supporting structural elements with standard depth joist seats. Exceptions are noted on plans & details.



(X)	DESIGNATION
(X'-X")	Top of Steel elevation
(Elev.)	Varies - Top of Steel elevation to be determined by floor construction.
(SB)	Shoot Beam
(BB)	Bent Beam (see detail on indicated on plan)
(C)	Cantilever Beam
(WH)	Wire Horizontal

ROOF DECK CONSTRUCTION ON STRUCTURAL STEEL & BAR JOISTS



KEY PLAN

SCALE: NTS

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ROOF FRAMING PLAN - NEW ADDITION
SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION
FOR:
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BG#

Project No:	BTW-24153
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTHAUS

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ROOF FRAMING PLAN - NEW ADDITION
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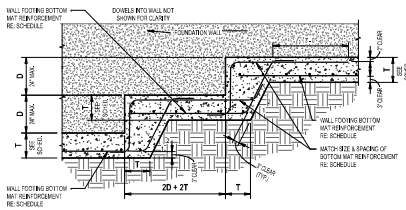
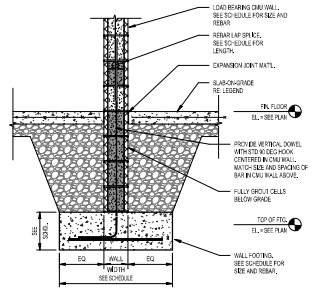
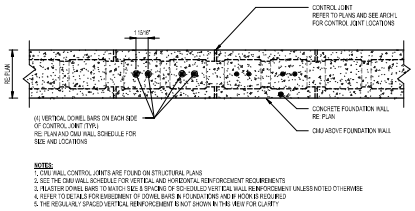


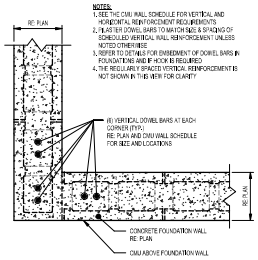
1 TYPICAL DETAIL
WALL FOOTING STEPS



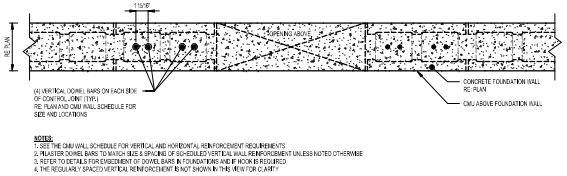
2 TYPICAL DETAIL
CONCRETE FOUNDATION WALL WHERE T.O.F. < 99'-4"



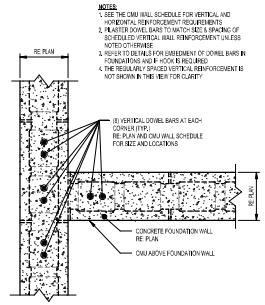
3 TYPICAL DETAIL
Bond Beam & Pilaster Reinforcement At Control Joint



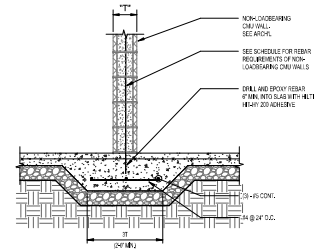
4 TYPICAL DETAIL
Bond Beam & Pilaster Reinforcement At Control Joint



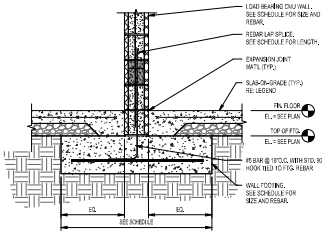
5 TYPICAL DETAIL
Bond Beam & Pilaster Reinforcement At Control Joint



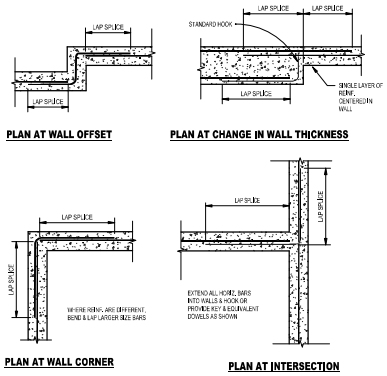
6 TYPICAL DETAIL
Bond Beam & Pilaster Reinforcement At Control Joint



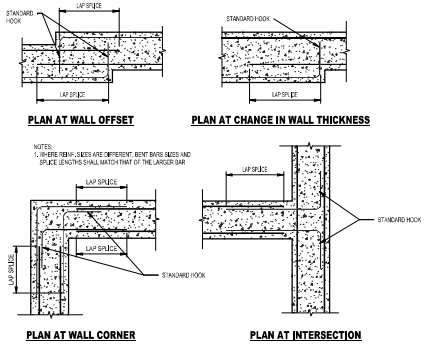
7 TYPICAL DETAIL
THICKENED SLAB-ON-GRADE AT NON-LOADBEARING CMU WALL



8 TYPICAL DETAIL
INTERIOR CMU BEARING WALL



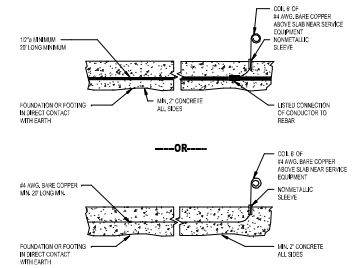
9 TYPICAL DETAIL
HORIZONTAL REINFORCEMENT AT TRANSTION IN CONC. WALLS (SINGLE LAYER)



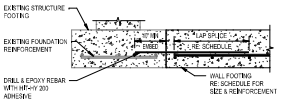
10 TYPICAL DETAIL
HORIZONTAL REINFORCEMENT AT TRANSTION IN CONC. WALLS

THE CONTRACTOR AND/OR INSTALLER OF THE BUILDING FOUNDATION SHALL COORDINATE FOR OR INSTALL THE FOLLOWING FOUNDATION ELECTRODE SYSTEM:

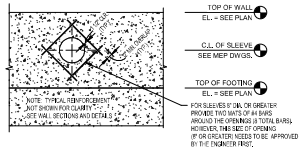
A CONCRETE ENCASED ELECTRODE SHALL PROVIDE AND SHALL CONSIST OF EITHER 20' OF BARE #4 COPPER WIRE CONTINUOUS AND EXTENDING IF OUTSIDE THE CONCRETE OR AT LEAST 20 FEET OF 1/2 INCH REINFORCING STEEL INSTALLED WITHIN OR NEAR THE BOTTOM OF THE FOOTING OR FOUNDATION AND COVERED BY AT LEAST 2" OF CONCRETE WHICH IS IN DIRECT CONTACT WITH EARTH AND CONNECTED BY AN APPROVED METHOD TO A BARE #4 COPPER WIRE EXTENDING IF OUTSIDE THE CONCRETE. THE CUMULATIVE LENGTH OF FOOTING STEEL CAN BE ACHIEVED BY NORMAL METHODS OF STEEL TIE WIRES JOINING SHORTER LENGTHS.



11 TYPICAL DETAIL
FOUNDATION ELECTRODE SYSTEM



12 TYPICAL DETAIL
NEW FOOTING TO EXISTING FOUNDATION



13 TYPICAL DETAIL
FOUNDATION WALL PENETRATION REINFORCEMENT DETAIL

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101 Millcreek Bluffs Avenue Lexington, Kentucky 40502 p 859.254.4018

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FOUNDATION DETAILS

SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION
FOR:
SIMPSON COUNTY BOARD OF EDUCATION
430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

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BG#

Project No:	BTW-24155
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTHAUS

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FOUNDATION DETAILS

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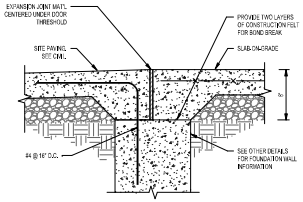
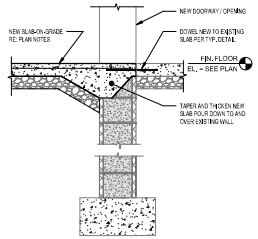
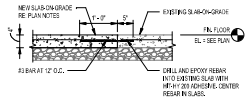


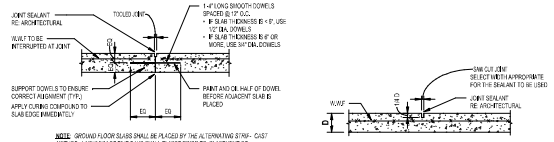
1 TYPICAL DETAIL
SLAB EDGE AT ENTRY STOOP



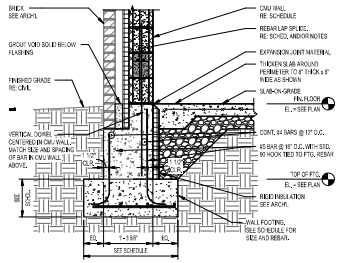
2 TYPICAL DETAIL
SLAB_New Slab Adjacent to Existing at New Entrance



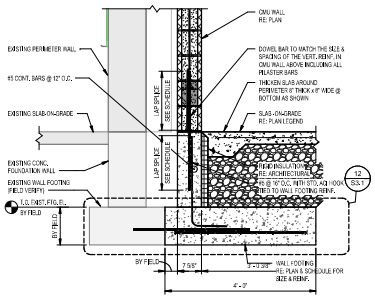
3 TYPICAL DETAIL
NEW TO EXISTING SLAB-ON-GRADE CONNECTING DETAIL



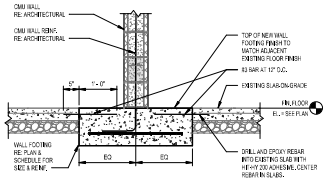
4 TYPICAL DETAIL
SLAB-ON-GRADE CONTROL / CONSTRUCTION JOINT



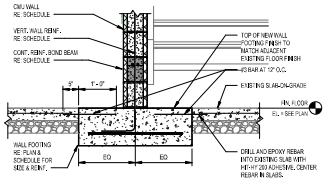
5 TYPICAL DETAIL
FOUNDATION SECTION - TYPICAL PERIMETER WALL



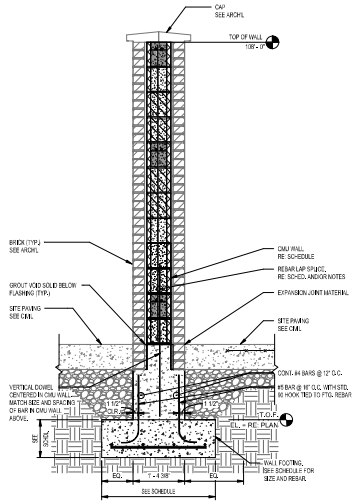
6 TYPICAL DETAIL
FOUNDATION SECTION @ EXISTING PERIMETER WALL



7 TYPICAL DETAIL
Section 7



8 TYPICAL DETAIL
Section 8



9 TYPICAL DETAIL
FOUNDATION SECTION @ SOUTH WING WALL

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FOUNDATION DETAILS
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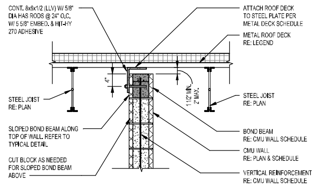
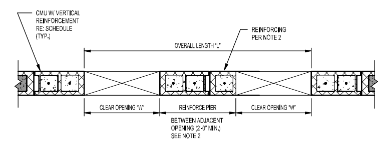


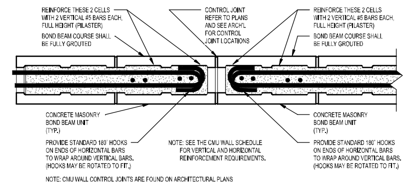
1 TYPICAL DETAIL
ROOF DECK TO CMU SHEAR WALL CONNECTION

NOTES

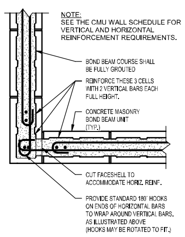
1. SEE ARCH DRAWINGS FOR THE EXACT LOCATIONS OF MASONRY WALL OPENINGS.
2. PROVIDE MASONRY PIER BETWEEN ADJACENT OPENING EQUAL TO 1/2 OF THE WALL OPENING. EACH CELL OF THE CMU BLOCK TO FILL SOLID WITH GROUT. PROVIDE MINIMUM REINFORCING IN THE PIER EQUAL TO THE TOTAL NUMBER OF VERTICAL BARS INTERRUPTED IN EACH OF THE ADJACENT OPENINGS, OR PER THE TYPICAL LINTEL DETAILS, WHICHEVER GREATER.
3. IF THE PIER WIDTH BETWEEN ADJACENT OPENINGS IS LESS THAN THE 2'-0" MIN. PROVIDE A SINGLE LINTEL TO SPAN THE OVERALL LENGTH "L".



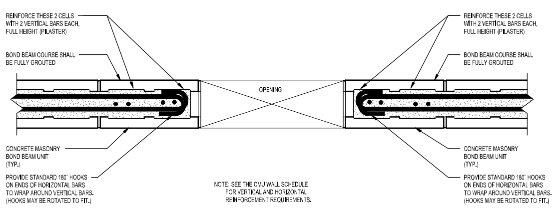
2 TYPICAL DETAIL
ADJACENT WALL OPENINGS



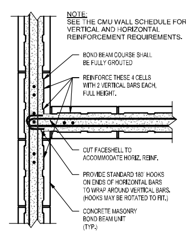
3 TYPICAL DETAIL
Bond Beam & Pilaster Reinforcement At Control Joint



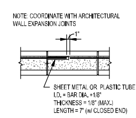
4 TYPICAL DETAIL
BOND BEAM REINFORCEMENT AT CORNER



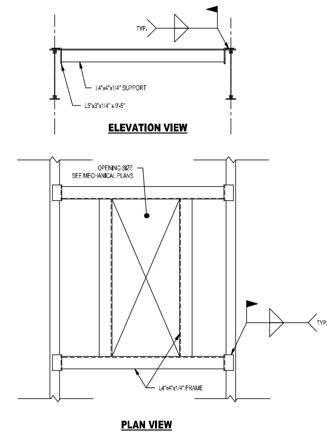
5 TYPICAL DETAIL
BOND BEAM REINFORCEMENT AT OPENING



6 TYPICAL DETAIL
BOND BEAM REINFORCEMENT AT TEE INTERSECTION

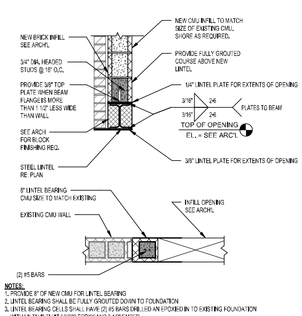


7 TYPICAL DETAIL
BOND BEAM CONTROL JOINT



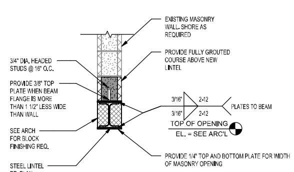
NOTE: ROOF DECK PENETRATIONS GREATER THAN 6" SQUARE OR 8" IN DIAMETER WILL REQUIRE THIS ANGLED REINFORCEMENT. ADJACENT ROOF DECK PENETRATIONS SHALL MAINTAIN A CLEAR SPACING OF A MINIMUM OF 5 TIMES THE DIAMETER OR LARGEST DIMENSION OF THE ADJACENT OPENING.

8 TYPICAL DETAIL
ROOF FRAMING OPENING



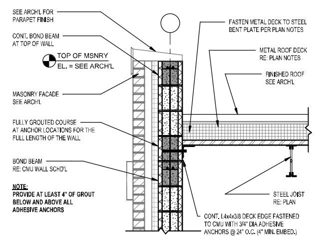
NOTES:
1. PROVIDE 8" OF NEW CMU FOR LINTEL BEARING
2. LINTEL BEARING SHALL BE FULLY GROUTED DOWN TO FOUNDATION
3. LINTEL BEARING CELLS SHALL HAVE (2) #5 BARS DRILLED AN EPOXIED IN TO EXISTING FOUNDATION WITH HILTI HILTI HIT-HY200 EPOXY AND 3 1/2" EMBED.

9 TYPICAL DETAIL
WALLS_CMU_Lintel for New Opening in Existing EXTERIOR Wall



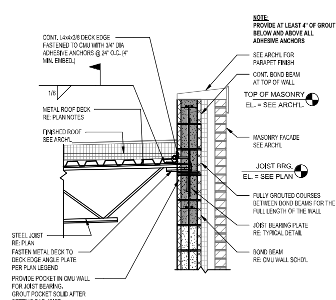
NOTES:
1. PROVIDE LINTEL BEARING AS FOLLOWS WHERE "W" EQUALS MASONRY OPENING WIDTH: BEARING ≥ 8" ≥ 1/12(W)
2. FULLY GROUT EXISTING CMU WALL BELOW NEW LINTEL BEARINGS FOR A LENGTH OF BEARING PLUS A MINIMUM OF 4" OR NEXT ADJACENT CMU CELL.
3. FULLY GROUT FROM LINTEL BEARING DOWN TO TOP OF EXISTING FOUNDATION.

10 TYPICAL DETAIL
WALLS_CMU_Lintel for New Opening in Existing INTERIOR Wall



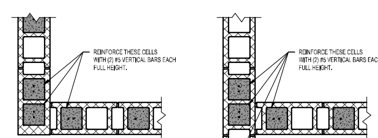
NOTE:
PROVIDE AT LEAST 4" OF GROUT BELOW AND ABOVE ALL ADHESIVE ANCHORS

11 TYPICAL DETAIL
CMU PARAPET WITH PARALLEL JOISTS



NOTE:
PROVIDE AT LEAST 4" OF GROUT BELOW AND ABOVE ALL ADHESIVE ANCHORS

12 TYPICAL DETAIL
CMU PARAPET WITH PERPENDICULAR JOISTS



CORNER PILASTER

T INTERSECTION PILASTER

13 TYPICAL DETAIL
CMU PILASTERS

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

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430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

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p 270.444.9274
Structural Engineer:
BFW, INC.
500 South 17th Street
Paducah, KY 42003
p 270.443.1995
Construction Manager:
Alliance Corporation
116 E. College Street
Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No: BFW-24155
Drawn By: D. LAMPLEY
Rev'd By: P. HOLTHAUS

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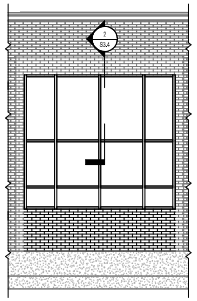
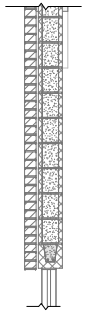
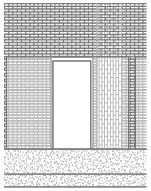


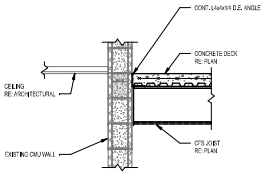
1 ELEVATION @ NEW WINDOW IN O.H. DOOR INFILL AREA
SCALE: 1/4" = 1'-0"



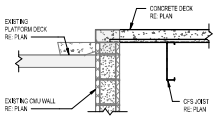
2 SECTION @ NEW WINDOW IN O.H. DOOR INFILL AREA
SCALE: 3/4" = 1'-0"



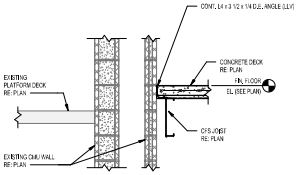
3 ELEVATION @ NEW EXTERIOR MAN DOOR IN EXIST. WALL
SCALE: 1/4" = 1'-0"



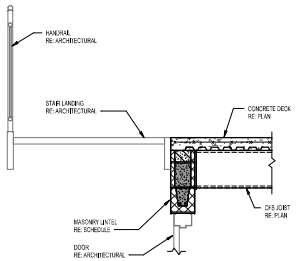
4 FRAMING SECTION
SCALE: 3/4" = 1'-0"



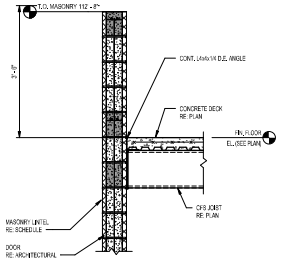
5 FRAMING SECTION
SCALE: 3/4" = 1'-0"



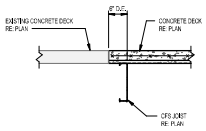
6 FRAMING SECTION
SCALE: 3/4" = 1'-0"



7 FRAMING SECTION
SCALE: 3/4" = 1'-0"



8 FRAMING SECTION
SCALE: 3/4" = 1'-0"



9 FRAMING SECTION
SCALE: 3/4" = 1'-0"

rosstarrant architects
101 - 4411 crossville avenue lexington, kentucky 40512 p 859.254.4018

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RFW, INC.
300 South 17th Street
Paducah, KY 42003
p 270.443.1995
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Alliance Corporation
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BG#

Project No:	BFW-24155
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTHAUS

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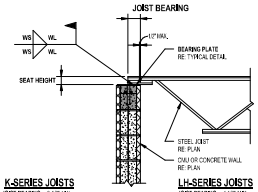
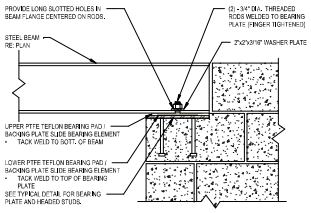
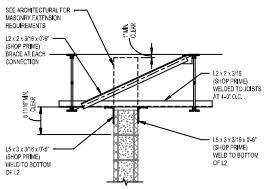


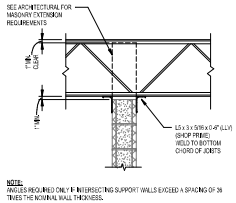
1 TYPICAL DETAIL
BAR JOIST TO CONCRETE/MASONRY WALL CONNECTION



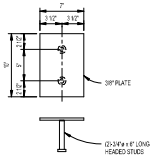
2 TYPICAL DETAIL
CONNECTION_CMU_BEAM SLIDE BEARING DETAIL



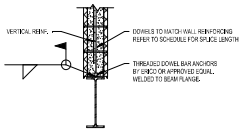
3 TYPICAL DETAIL
NON-BEARING CMU WALL TERMINATION AT PARALLEL BAR JOISTS



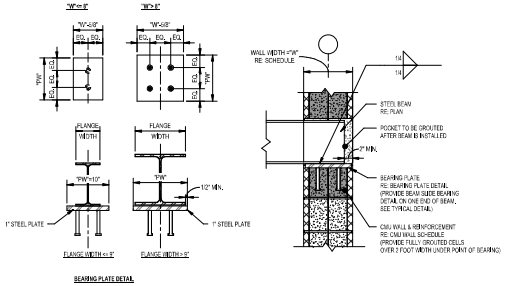
4 TYPICAL DETAIL
NON-BEARING CMU WALL TERMINATION AT PERPENDICULAR BAR JOISTS



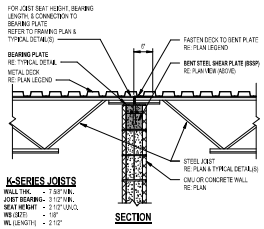
5 TYPICAL DETAIL
8" CMU BEARING PLATE

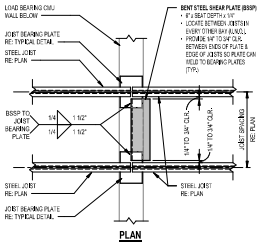


6 TYPICAL DETAIL
CMU WALL BEARING ON STEEL BEAM

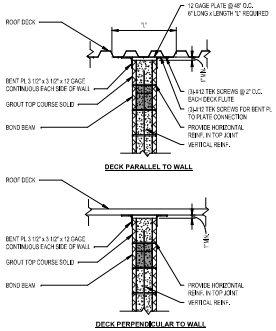


7 TYPICAL DETAIL
SINGLE BEAM BEARING AT CMU WALL DETAIL

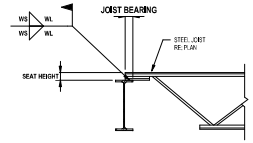




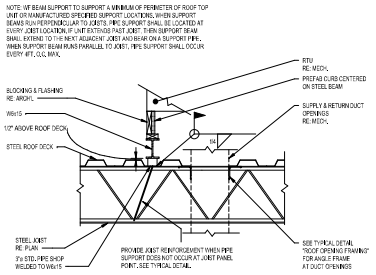
8 TYPICAL DETAIL
305 ROOF_CMU_Joists Bearing at Interior Load-Bearing Wall



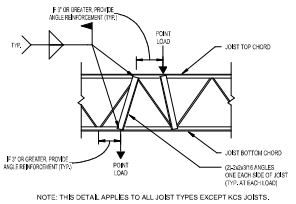
9 TYPICAL DETAIL
NON-BEARING CMU WALL ANCHORAGE AT ROOF DECK



10 TYPICAL DETAIL
BAR JOIST TO STEEL BEAM CONNECTION



11 TYPICAL DETAIL
BAR JOIST RTU SUPPORT



NOTE: THIS DETAIL APPLIES TO ALL JOIST TYPES EXCEPT KCS JOISTS.

12 TYPICAL DETAIL
FIELD REINFORCEMENT OF BAR JOIST AT CONCENTRATED LOADS

rossi arrant architects
101 401 Brooks Avenue Lexington, Kentucky 40502 p 859.254.4018

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BG#

Project No:	BTW-24153
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTHAUS

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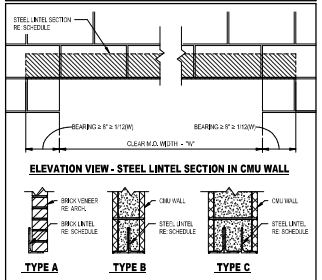
LOOSE LINTEL (LL) SCHEDULE

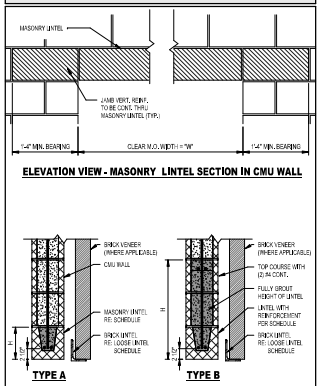


NOTES:

1. *Lintels called out on this schedule are for Non-Load Bearing Masonry Walls and for Load Bearing Walls where the load is introduced above the lintel at a distance greater than the lintel span.*
2. *Provide minimum 8" bearing at each end of Steel Lintels. Lintel bearing length shall not be less than 1/12 lintel clear span.*
3. *All lintels exposed to the exterior shall be hot-dip galvanized. All other lintels shall be painted.*
4. *When the lintel clear span exceeds 3'-6", shore the lintels at 4'-0" (max.) on center until all mortar and grout have reached 75% of specified compressive strength.*
5. *Refer all lintel conditions not covered by this schedule or detailed elsewhere in the contract documents to the architect or engineer.*
6. *Provide loose steel lintels for all new openings larger than 8" wide in existing masonry walls even if not indicated on plans.*

WALL TYPE	NOMINAL WALL THICKNESS	CLEAR M.O. WIDTH "W"	STEEL LINTEL SECTION	
			TYPE	SIZE
FACE BRICK	4"	W ≤ 6'-6"	A	L4 x 3 1/2 x 5/16 (LLV)
		6'-6" < W ≤ 7'-6"	A	L5 x 3 1/2 x 5/16 (LLV)
		7'-6" < W ≤ 8'-6"	A	L6 x 3 1/2 x 5/16 (LLV)
UTILITY BRICK	4"	W ≤ 7'-0"	A	L4 x 3 1/2 x 5/16 (LLV)
		7'-0" < W ≤ 8'-0"	A	L5 x 3 1/2 x 5/16 (LLV)
		8'-0" < W ≤ 9'-0"	A	L6 x 3 1/2 x 5/16 (LLV)
CONCRETE MASONRY UNIT	6"	W ≤ 7'-0"	B	(2) L3 1/2 x 2 1/2 x 5/16 (LLV)
	8"	W ≤ 7'-6"	B	(2) L4 x 3 1/2 x 5/16 (LLV)
		7'-6" < W ≤ 8'-8"	B	(2) L5 x 3 1/2 x 5/16 (LLV)
		8'-8" < W ≤ 10'-0"	B	(2) L6 x 3 1/2 x 5/16 (LLV)
	10"	W ≤ 9'-6"	B	(2) L6 x 4 x 5/16 (LLV)
		9'-0" < W ≤ 11'-0"	B	(2) L7 x 4 x 5/16 (LLV)
	12"	W ≤ 7'-6"	C	(3) L4 x 3 1/2 x 5/16 (LLV)
		7'-6" < W ≤ 8'-8"	C	(3) L5 x 3 1/2 x 5/16 (LLV)
		8'-8" < W ≤ 10'-0"	C	(3) L6 x 3 1/2 x 5/16 (LLV)

MASONRY LINTEL SCHEDULE FOR NON-LOADBEARING WALLS

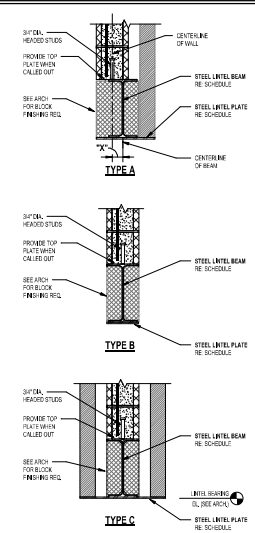


NOTES:

1. *Lintels called out on this schedule are for Non-Load Bearing Interior and Exterior CMU Walls.*
2. *Provide minimum 16" bearing at each end of Masonry Lintels. Lintel bearing length shall not be less than 1/12 lintel clear span.*
3. *When the lintel clear span exceeds 3'-6", shore the lintels at 4'-0" (max.) on center until all mortar and grout have reached 75% of specified compressive strength.*
4. *Refer all lintel conditions not covered by this schedule or detailed elsewhere in the contract documents to the architect or engineer.*

WALL TYPE	NOMINAL WALL THICKNESS	CLEAR M.O. WIDTH "W"	MASONRY LINTEL SECTION		
			TYPE	H	REINF.
CONCRETE MASONRY UNIT	6"	W ≤ 6'-8"	A	8"	(1)-#4
	8"	W ≤ 7'-4"	A	8"	(2)-#5
		7'-4" < W ≤ 11'-4"	B	16"	(2)-#5
	10"	W ≤ 7'-4"	A	8"	(2)-#5
		7'-4" < W ≤ 11'-4"	B	16"	(2)-#5
	12"	W ≤ 7'-4"	A	8"	(2)-#6
		7'-4" < W ≤ 11'-4"	B	16"	(2)-#6

STEEL LINTEL SCHEDULE (SL) SCHEDULE

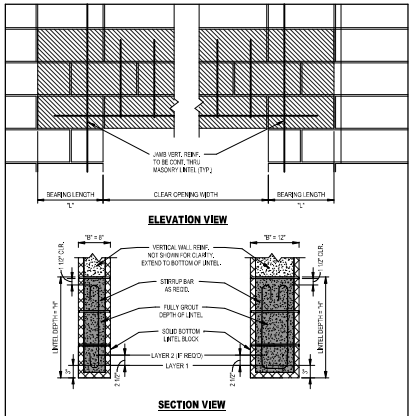


NOTES:

1. WHEN SPAN EXCEEDS 6'-0", SHORE THE LINTEL DURING CONSTRUCTION
2. GROUT ALL CELLS SOLID TO 16" ABOVE THE LINTEL
3. FOR TYPE "C" LINTELS, USE BRICK TIES @ 16" O.C.
4. COVER PLATES SHALL EXTEND TO LINTEL END
5. BEARING LENGTH ON EACH END SHALL EQUAL 1/12 x LINTEL SPAN (IF MINIMUM), INSTALL ON FRESH MORTAR BED
6. ALL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED
7. SEE THE ARCHITECTURAL PLANS & THE STRUCTURAL PLANS FOR LOOSE STEEL LINTELS AS MAY BE REQUIRED TO SUPPORT FACE BRICK & OTHER NON-LOAD BEARING MASONRY.
8. ALL PLATES SHALL BE WELDED TO BOTH SIDES OF THE BOTTOM FLANGES OF THE STEEL BEAMS ABOVE. WELDS SHALL BE 3/16" & STITCHED 3" @ 8" O.C.

MARK	TYPE	LINTEL / PLATE SIZE	"X"	REMARKS
SL1	A	W16x67 / 1/2" x 1'-3 5/8"	4"	
SL2	B	W8x28 / 1/4" x 7 5/8"	N/A	
SL3	B	W8x28 / 1/4" x 7 5/8"	N/A	REFER TO TYPICAL DETAIL - LINTEL FOR NEW OPENING IN EXISTING WALL

MASONRY LINTEL (ML) SCHEDULE FOR LOADBEARING WALLS

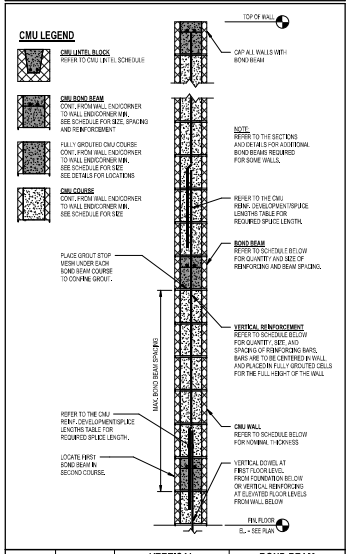


NOTES:

1. MASONRY CONTRACTOR SHALL PROVIDE TEMPORARY SHORING OF THE LINTEL UNTIL GROUT HAS REACHED 75% OF THE SPECIFIED COMPRESSIVE STRENGTH
2. SEE PLANS FOR CONTROL JOINT LOCATIONS. CONTROL JOINTS SHALL BE PLACED NO CLOSER THAN BEARING LENGTH "L" OR 2-0" FROM THE EDGE OF THE MASONRY OPENING.
3. STIRRUP BARS SHALL HAVE STANDARD 180 DEGREE HOOKS @ EACH END.

MARK	NOM. SIZE "B"	BEARING LENGTH "L"	LINTEL DEPTH "H"	REINFORCEMENT		
				# OF LAYERS	# OF BARS & SIZE	STIRRUP SIZE & SPACING
ML8-1	8"	9"	8"	2	(1) #5	#4 @ 12"
ML8-2	8"	9"	1'- 4"	2	(1) #5	#4 @ 12"

CMU WALL SCHEDULE



MARK	NOM. THICKNESS	VERTICAL REINFORCEMENT		BOND BEAM REINFORCEMENT	
		BAR QTY. & SIZE	MAX. BAR SPACING	BAR QTY. & SIZE	MAX BEAM SPACING
CMU8.1	8"	(1) #5	48"	(2) #5	48"
CMU8.2	8"	(1) #5	24"	(2) #5	48"

rossi arrant architects
101 401 Broadway Avenue Lexington, Kentucky 40502 p 859.254.4018

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STRUCTURAL SCHEDULES

SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION
FOR:
SIMPSON COUNTY BOARD OF EDUCATION
430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

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Paducah, KY 42003
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Construction Manager:
Alliance Corporation
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Glasgow, Kentucky 42141
p 270.651.8848

BG#

Project No:	BFW-24155
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTMAJS

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STRUCTURAL SCHEDULES

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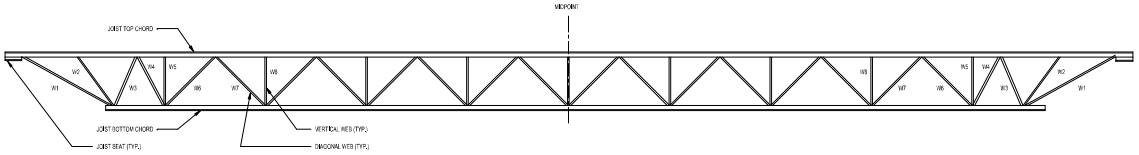
#	DATE	DESCRIPTION

JOIST REINFORCEMENT SCHEDULE



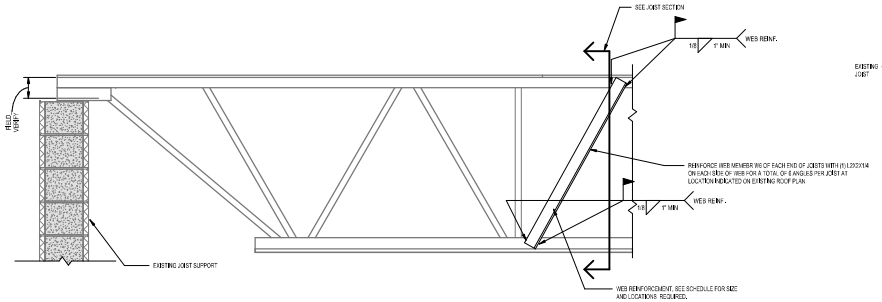
TYPICAL JOIST ELEVATION 1

SEQUENCE OF CONSTRUCTION:

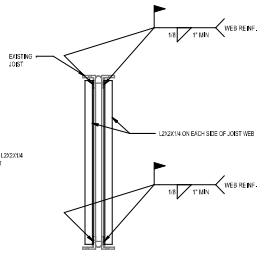
1. IF PRESENT, REMOVE AND CLEAN THE EXISTING PAINT AND COATING OFF OF THE JOISTS IN AREAS WHERE WELDING ON REINFORCEMENT WILL BE REQUIRED.
2. REINFORCE EXISTING JOISTS AT A TIME WHEN NO ROOF LIVE LOAD OR SNOW LOAD ARE PRESENT ON THE SUPPORTED ROOF.
3. FULLY INSTALL ALL REINFORCEMENT ON EXISTING JOISTS.

JOIST REINFORCEMENT GENERAL NOTES:

1. ALL STEEL REINFORCEMENT SHALL BE 36ksi GRADE STEEL.



GENERAL JOIST ELEVATION



JOIST SECTION

rossi arrant architects
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STRUCTURAL SCHEDULES

SIMPSON CO. CTE IMPROVEMENTS & ALTERNATIVE SCHOOL ADDITION

FOR:

SIMPSON COUNTY BOARD OF EDUCATION

430 SOUTH COLLEGE STREET, FRANKLIN, KENTUCKY 42134

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p 270.651.8848

BG#

Project No:	BFW-24155
Drawn By:	D. LAMPLEY
Rev'd By:	P. HOLTRAUS

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STRUCTURAL SCHEDULES

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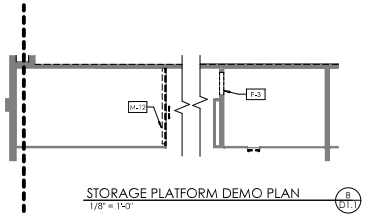
GENERAL DEMOLITION NOTES

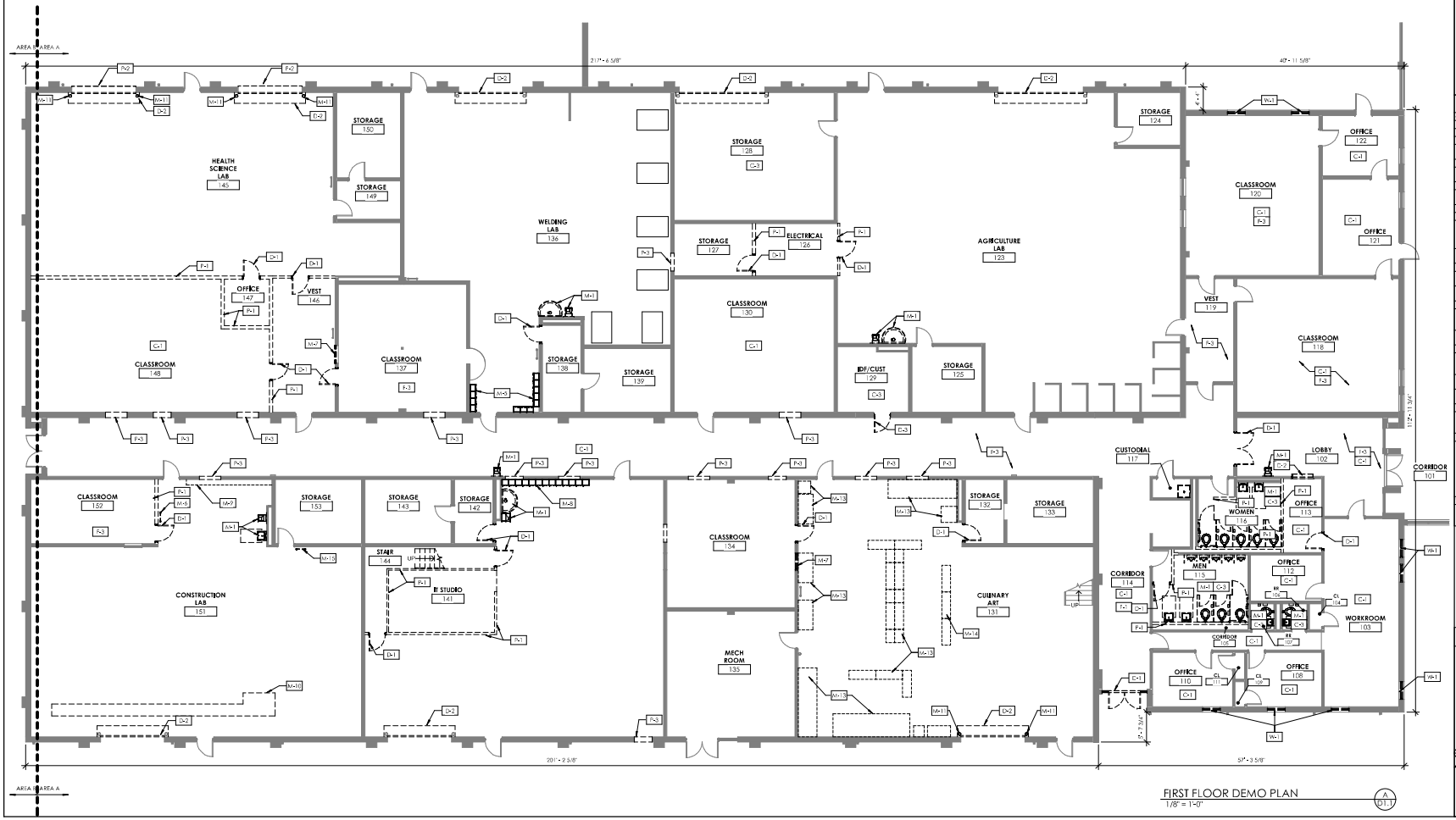
1. THESE DEMOLITION PLANS ARE MEANT TO BE A CONVENIENCE TO THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY FOR INSTALLATION OF NEW WORK WHETHER SHOWN HERE OR NOT.
2. REFER TO SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION WORK REQUIRED IN SPECIFIC AREAS OF WORK.
3. REFER TO THE PHASING DRAWING FOR SEQUENCE OF DEMOLITION AND NEW WORK.
4. 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.
5. 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 REQD.
6. 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 REQ. 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 EXISTING MASONRY UNITS TO PROVIDE FINISHED OPENING. PROVIDE NEW MASONRY TIES AND HORIZONTAL JOINT REINFORCING PER SPECIFICATIONS. NEW MASONRY CONSTRUCTION SHALL FREQUENTLY MATCH ADJACENT EXISTING MASONRY IN COLOR, TEXTURE, PATTERN AND FINISH, U.N.O.
7. 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.
8. 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.
9. 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.
10. WHERE EXISTING EQUIPMENT OR CASEWORK IS REMOVED, REMOVE ALL ASSOCIATED ATTACHMENT DEVICES, ANCHORS ETC. PATCH AND REPAIR EXISTING FINISHES.
11. SEE NEW WORK PLANS FOR NEW WORK TO BE INSTALLED.

DEMOLITION NOTES

CEILING DEMOLITION NOTES:	
C-1	REMOVE EXISTING CEILING TILE & GRID IN ITS ENTIRETY.
C-3	REMOVE EXISTING GYP CEILING IN ITS ENTIRETY.
DOOR DEMOLITION NOTES:	
D-1	REMOVE EXISTING METAL FRAME, DOOR(S), AND GLAZING IN ENTIRETY. REFER TO PLANS FOR NEW WORK.
D-2	REMOVE EXISTING COILING DOOR IN ITS ENTIRETY.
D-3	REMOVE EXISTING DOOR LEAF. EXISTING FRAME TO REMAIN. REFER TO PLANS FOR NEW WORK.
FINISH DEMOLITION NOTES:	
F-1	REMOVE EXISTING RESILIENT FLOORING & BASE IN THEIR ENTIRETY.
F-3	VCT AND MASTIC REMOVED PRIOR TO CONSTRUCTION
MISCELLANEOUS DEMOLITION:	
M-1	REMOVE EXISTING PLUMBING FIXTURES IN ITS ENTIRETY. STALL PARTITIONS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. REFER TO MEP FOR ADDITIONAL INFORMATION.
M-5	REMOVE EXISTING LOCKER. LOCKER BASE TO REMAIN. CLEAN AND PREP SURFACE FOR NEW WORK.
M-6	REMOVE EXISTING LADDER.
M-7	REMOVE EXISTING WINDOW METAL FRAME AND GLAZING IN ENTIRETY. REFER TO PLANS FOR NEW WORK.
M-8	REMOVE EXISTING LOCKER AND BASE IN ITS ENTIRETY. CLEAN AND PATCH ANY DAMAGES FOR NEW WORK.
M-9	REMOVE EXISTING LOCKER BASE.
M-10	REMOVE EXISTING FLOOR TRENCH GRATE AND METAL EDGE. REFER TO ARCH AND STRUCT. DWG FOR NEW WORK.
M-11	REMOVE EXISTING BOLLARD POST. REPAIR AND PREP FLOOR TO RECEIVE NEW FINISHES.
M-12	REMOVE RAILING ON PLATFORM
M-13	FINDING KITCHEN EQUIPMENT TO BE DISCONNECTED AND RELOCATED BY THE CONTRACTOR. COORDINATE STORE LOCATION WITH OWNER.
M-14	REMOVE EXISTING CASEWORK. CLEAN AND PREP TO RECEIVE NEW WORK.
M-15	REMOVE EXISTING LADDER. STORE AND PROTECT TO BE REUSED. REFER TO NEW WORK.
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 METAL WALL IN ITS ENTIRETY.
P-3	REMOVE PORTION OF EXISTING WALL FOR INSTALLATION OF NEW WORK. EXISTING WALL MAY BE A BEARING WALL. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION. COORD. LOCATION AND SIZE WITH NEW WORK IN MASONRY WALL. COORD. WITH NEAREST VERTICAL MASONRY JOINT IN FRAMING WALL. PROVIDE HEAD AND JAMB FRAMING FOR NEW DOOR FRAME.
WINDOW DEMOLITION NOTES:	
W-1	REMOVE EXISTING WINDOW IN ENTIRETY FOR INSTALLATION OF REPLACEMENT WINDOW. COORD. WITH NEW WORK.

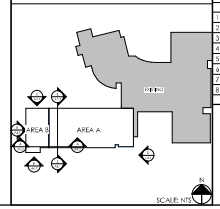


STORAGE PLATFORM DEMO PLAN
1/8" = 1'-0"
B D1.1



FIRST FLOOR DEMO PLAN
1/8" = 1'-0"
A D1.1

KEY PLAN



SCALE: NTS

rosstarrant architects
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DEMOLITION PLAN

FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

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Structural Engineer:
BFW Engineering & Testing
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Construction Manager:
Alliance Corporation
p 270.651.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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Design Development

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DEMOLITION PLAN

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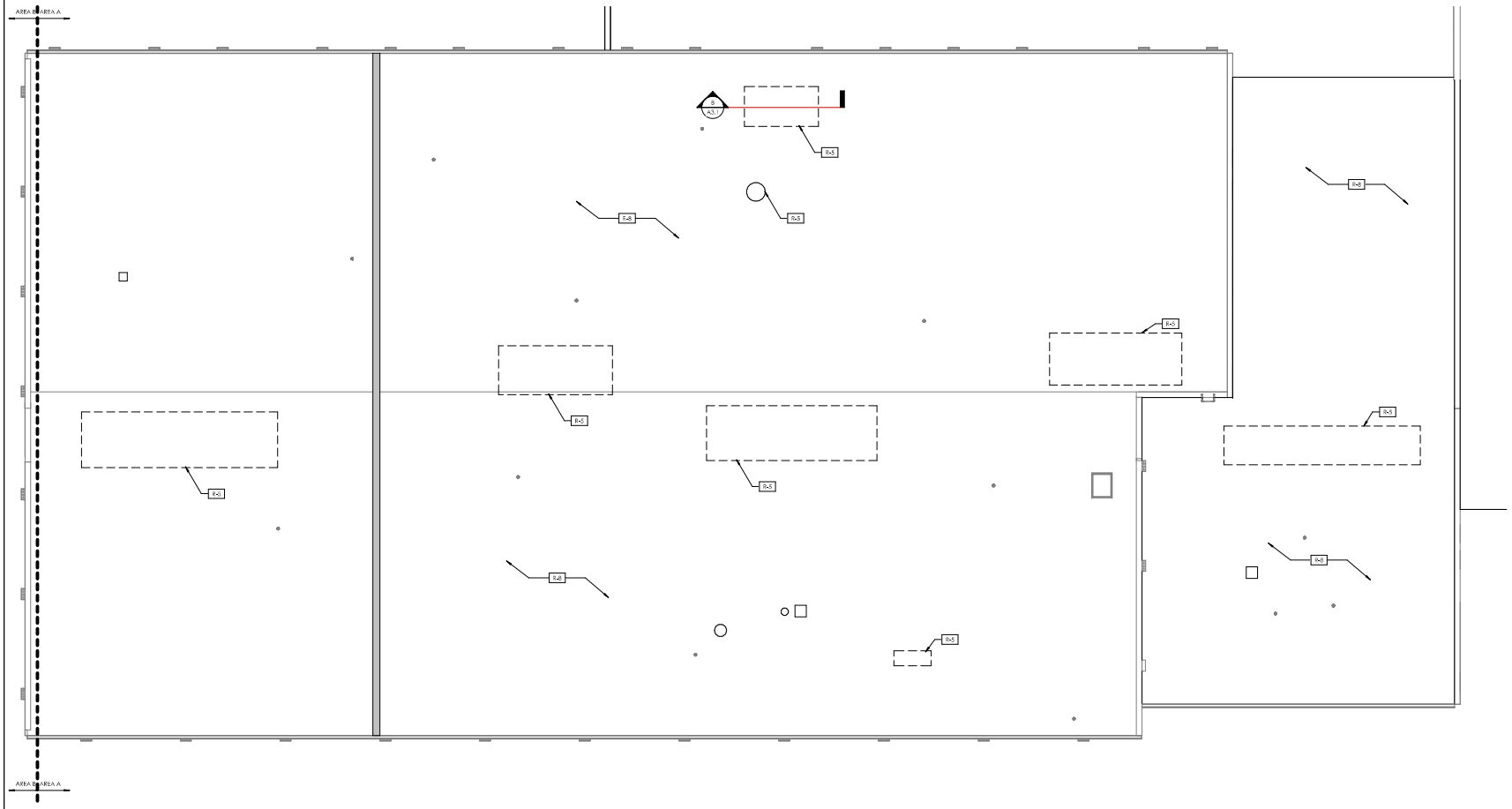


ROOF DEMOLITION PLAN
1/8" = 1'-0"
A
D3.1

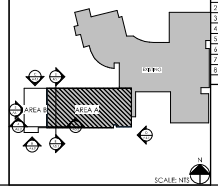
ROOF DEMOLITION NOTES

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-5	DISCONNECT AND REMOVE EXISTING ROOF TOP EQUIPMENT. EXISTING CURB TO REMAIN. REFER TO MEP AND NEW WORK FOR ADDITIONAL INFORMATION.
R-8	EXISTING ROOF TO REMAIN. EXISTING ROOF IS CURRENTLY UNDER WARRANTY. ALL NEW WORK TO BE PERFORMED SHALL NOT VOID EXISTING WARRANTY.

KEY PLAN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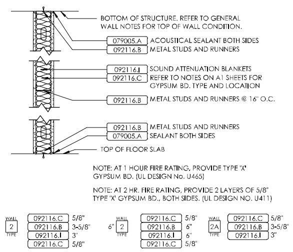


NOTE: AT 1 HOUR FIRE RATING, PROVIDE TYPE 'X' GYPSUM BD. (UL DESIGN No. U465)

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" · 092116.I 3" · 092116.C 5/8"

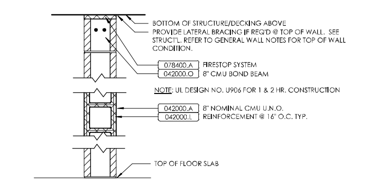
WALL TYPE 6" 2: 092116.C 5/8" · 092116.B 6" · 092116.I 6" · 092116.C 5/8"

WALL TYPE 2A: 092116.C 5/8" · 092116.B 3-5/8" · 092116.I 3"

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

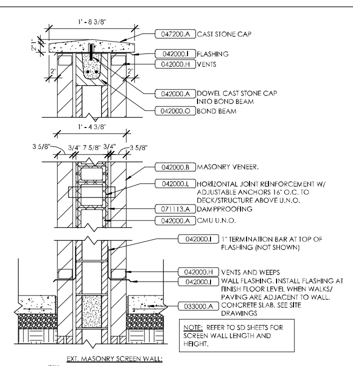
WALL TYPE 4" 1: 042000.A 4" NOMINAL CMU U.N.O. · 042000.L MASONRY REINFORCEMENT

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

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

INTERIOR CMU PARTITION TYPE '1'

SCALE : N.T.S.

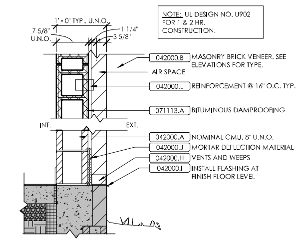


EXT. MASONRY SCREEN WALL:

WALL TYPE D: 042000.B MASONRY VENEER · 042000.A 8" NOMINAL CMU U.N.O.

EXTERIOR WALL TYPE "D"

SCALE : N.T.S.

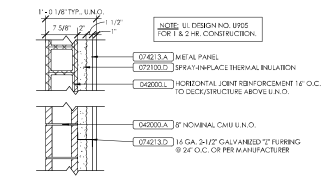


EXT. MASONRY CAVITY WALL:

WALL TYPE C: 042000.B MASONRY VENEER · AIR SPACE · 071113.A BITUMINOUS DAMPPROOFING · 042000.A NOMINAL 8" CMU U.N.O. · 099000.A PAINT ALL EXPOSED SURFACES U.N.O.

EXTERIOR WALL TYPE 'C'

SCALE : N.T.S.

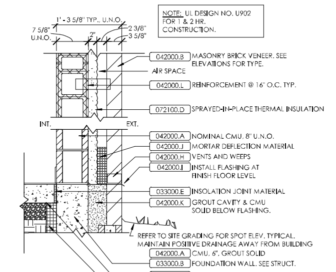


EXT. WALL:

WALL TYPE B: 074213.A 1" METAL PANEL · 072100.D SPRAYED-IN-PLACE INSULATION · 074213.A "Z" FURRING · 042000.A 8" NOMINAL CMU U.N.O. · 099000.A PAINT ALL EXPOSED SURFACES U.N.O.

EXTERIOR WALL TYPE 'B'

SCALE : N.T.S.



EXT. MASONRY CAVITY WALL:

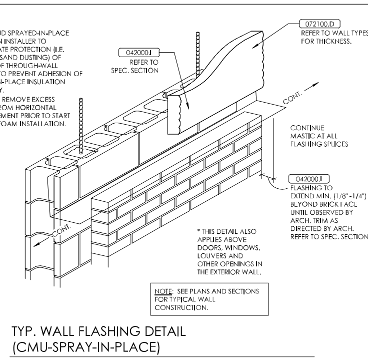
WALL TYPE A: 042000.B MASONRY VENEER · AIR SPACE · 072100.D THERMAL INSULATION · 042000.A NOMINAL 8" CMU U.N.O. · 099000.A PAINT ALL EXPOSED SURFACES U.N.O.

WALL TYPE 12" A: 042000.B MASONRY VENEER · AIR SPACE · 072100.D THERMAL INSULATION · 042000.A NOMINAL 12" CMU U.N.O. · 099000.A PAINT ALL EXPOSED SURFACES U.N.O.

EXTERIOR WALL TYPE 'A'

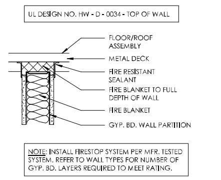
SCALE : N.T.S.

MASON AND SPRAYED-IN-PLACE INSULATION INSTALLER TO COORDINATE PROTECTION (I.E. MASONRY SAND DUSTING) OF SURFACE OF THROUGH-WALL FLASHING TO PREVENT ADHESION OF SPRAYED-IN-PLACE INSULATION OVERSPRAY.
MASON TO REMOVE EXCESS MORTAR FROM HORIZONTAL REINFORCEMENT PRIOR TO START OF SPRAY-FOAM INSTALLATION.



TYP. WALL FLASHING DETAIL (CMU-SPRAY-IN-PLACE)

SCALE : N.T.S.



SMOKE PARTITION, 1HR/2HR FIRESTOP @ GWB

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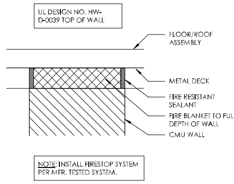

SMOKE PARTITION, 1HR/2HR FIRESTOP @ CMU

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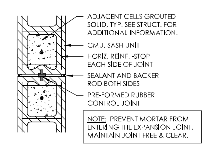

TYP. CMU EXPANSION JOINT DETAIL

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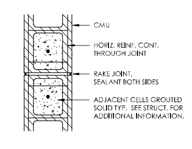
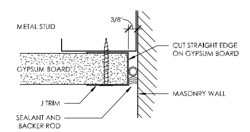


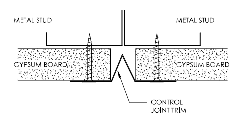
TYP. CMU CONTROL JOINT DETAIL

N.T.S.



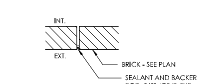
TYP. REVEAL @ GWB/MASONRY INTERSECTION

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)
- FE-3 WALL MOUNTED FIRE EXTINGUISHER. CLASS K (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
- CONCRETE MASONRY UNIT
- CLAY MASONRY UNIT
- SPLIT-FACE CONCRETE MASONRY UNIT
- GROUND-FACE CONCRETE MASONRY UNIT
- CUT STONE
- STEEL
- ALUMINUM
- FINISHED WOOD
- PLYWOOD
- WOOD BLOCKING
- CAVITY WALL INSULATION/PERLITE ROOFING INSULATION
- POLYISO. ROOFING INSULATION
- THERMAL, SOUND, OR FIRE BATT-INSULATION
- GYPSUM BOARD
- SPRAY-IN-PLACE THERMAL INSULATION

MASTER MATERIAL REFERENCE

031001.A	Formed Riser System
031119.A	Insulated Concrete Form (ICF)
033000.A	Footing
033000.B	Foundation Wall
033000.C	Slab-on-Grade
033000.D	Slab-on-Deck
033000.E	Isolation Joint Material
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.N	Cavity Wall Insulation
042000.O	Band Beam
042000.P	Control Joints
044200.A	Stone Cladding
047200.A	Cast Stone Masonry Units
051200.A	Structural Steel Member
052100.A	Steel Joists
053100.A	Roof Deck
055000.B	Roof Ladder
055000.H	Elevator Pit Ladder
055000.I	Elevator Sump Pit Cover
055000.N	Fixed Ladder
055100.B	Metal Stringer
055100.D	Miscellaneous Metal Stair Components
055213.A	Steel Component Railing
061000.A	Wood Blocking
061000.B	Plywood Sheathing
064100.A	Custom Casework
064100.A1	Plastic Laminate Base Cabinet
064100.A3	Plastic Laminate cabinet
064100.A4	Plastic Laminate Lateral File w/ Hanging Hardware
064100.A7	Plastic Laminate Enclosure Panel
064100.A13	Plastic Laminate Countertop
064100.A14	Plastic Laminate Countertop & Backsplash
064100.C	Solid-Surface Sill
064100.C1	Stainless Steel Countertop
064100.C5	Solid-Surface Countertop
064100.C6	Solid-Surface Countertop & Backsplash
064100.C10	Solid Surface Apron
064100.D7	3 1/2" Dia Grommet Sleeve
064100.F3	Countertop Support @ 32" O.C. - Provide Blocking in Wall
064100.HH	
064100.J1	Finished End
064100.K	
064100.QQ	
071113.A	Bituminous Dampproofing
071300.A	Underslab Vapor Barrier
072100.A	Cavity Wall Insulation
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
072119.A	Foamed-In-Place Insulation
074213.A	Metal Wall Panels
074213.C	Metal Wrap & Trim
074213.D	Subgirt/Z Furring
075400.A	Thermoplastic Membrane Roofing System
075400.B	Termination Bar
075400.C	Tapered Edge Strip
075400.D	Polyisocyanurate Insulation
075400.E	Cover Board
077100.A	Fascia
077100.D	Reglet/Counter Flashing
077100.E	Expansion Joint
077200.A	Roof Hatch
077200.B	Guardrail
077200.C	Safety Post
078400.A	Through-Penetration Fire Stop System
079005.A	Joint Sealant
079513.A	Joint Covers
081113.A	Steel Doors & Frames
081113.C	Steel Frame
083313.A	Coiling Counter Door
083323.A	Overhead Coiling Door
084313.A	Aluminum Storefront Window
084313.B	Aluminum Storefront Framing
085113.A	Aluminum Window
088000.A	Glazing
092116.A	Gypsum Board Assemblies
092116.B	Metal Studs and Runners
092116.C	Gypsum Board-Regular/Type 'X'
092116.E	Hat Channels
092116.G	Abuse Resistant Gypsum Board
092116.I	Sound Attenuation Blankets
092116.N	Exterior Gypsum Roof Board
092116.S	Subgirt/Z Clips
093000.A	Ceramic Tile
093000.B	Wall Tile
096513.A	Resilient Wall Base & Accessories
098436.C	Acoustical Ceiling Clouds
099000.A	Paint
101424.A	Signs
101550.A	Toilet Compartment
101550.B	Urinal Screen
102800.A	Toilet & Bath Accessories
105050.A	Metal Lockers
107300.B	Wall Hung Metal Canopy
116813.A	Playground Equipment
123450.A6	Wood Full-Height Storage Cabinet w/ Lock
123450.B1	Epoxy Countertop w/ Backsplash
123450.C3	Shelf Support Bracket
123450.C4	Countertop Support Bracket
123450.C5	Grommet
123550.A	Institutional Casework
123550.A1	Plastic Laminate Base Cabinet
123550.A4	Plastic Laminate Wall Cabinet
123550.A6	Plastic Laminate Full-Ht. Storage Cabinet & Lock
123550.A10	Plastic Laminate Drawer Base Cabinet
123550.A11	Plastic Laminate Full-Height Storage Cabinet
123550.A15	Plastic Laminate Covered Vertical Support Panel
123550.B2	Plastic Laminate Countertop & Backsplash
123550.B3	Plastic Laminate Countertop w/ Back & Side Splashes
123550.B4	Stainless Steel Countertop
123550.B5	Stainless Steel Countertop & Backsplash
123550.D1	4" Wire Pull
123550.F1	Shelf Bracket (match A&M Hardware, Size for Shelf Depth)
123550.F3	Countertop Support w/ In-Wall Blocking @ 30" O.C. (match A&M Hardware, size for Counter Depth)
123550.H2	Melamine on Plywood Substrate
142010.A	Passenger Elevator

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

NOT FOR CONSTRUCTION

GENERAL ARCHITECTURAL DETAILS

Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

BG 23-425

Project No: 23066
Drawn By: HJ, GJ
Rev'd By: GH

SHEET RELEASE	
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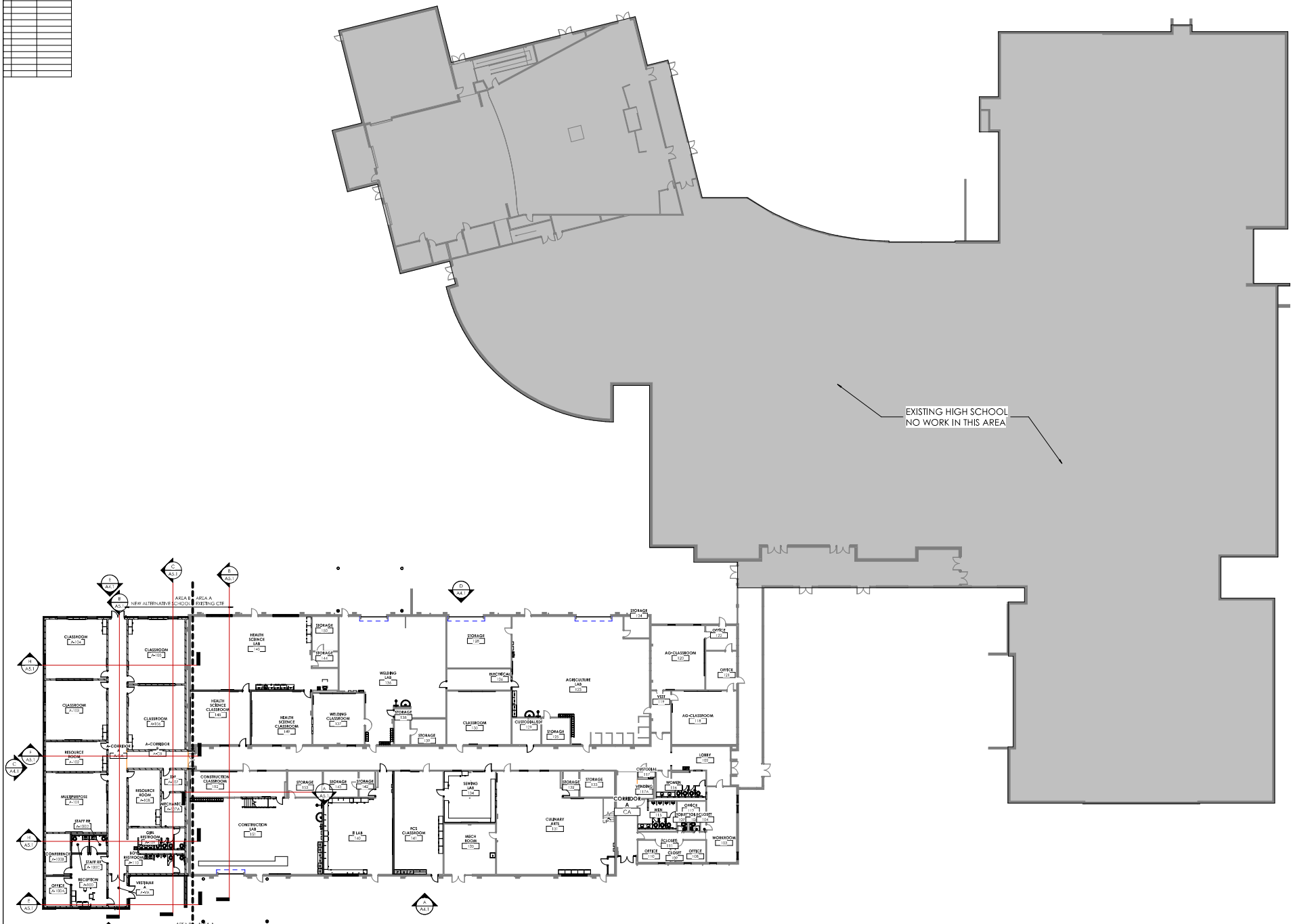
GENERAL ARCHITECTURAL DETAILS
DATE ISSUED: 7/11/2024

REVISIONS		
#	DATE	DESCRIPTION

MATERIAL REFERENCE



REFERENCE FLOOR PLAN
1/16" = 1'-0"
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rosstarrant architects
101 Kentucky Avenue, Paducah, Kentucky 42002 p 859.254.4018

NOT FOR CONSTRUCTION

REFERENCE FLOOR PLAN
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9224

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
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Construction Manager:
Alliance Corporation
p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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REFERENCE FLOOR PLAN

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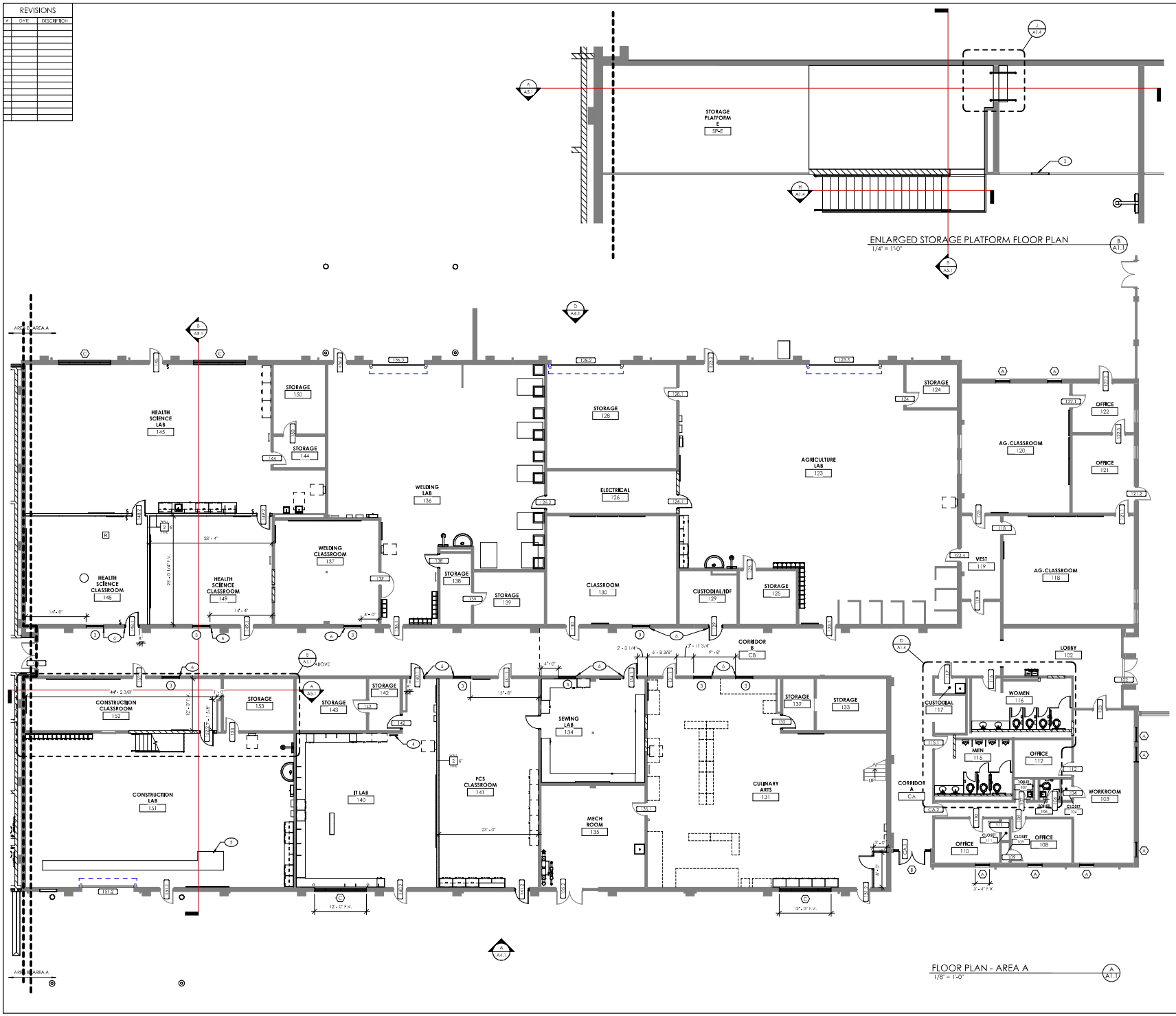
REVISIONS

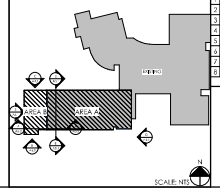
#	DATE	DESCRIPTION



MATERIAL REFERENCE

#	PLAN NOTES
3	PATCH AND INFILL PAINTED METAL RAILING TO MATCH EXISTING.
4	REINSTALL LADDER FROM CONSTRUCTION LAB
5	PATCH AND REPAIR CONCRETE SLAB. PREP FOR NEW FLOOR FINISHES. REFER TO STRUCT. DWG FOR ADDITIONAL INFORMATION.
6	100TH IN CMU AT NEW OPENING. REFER TO STRUCTURE FOR LINTEL DETAIL.

KEY PLAN



rosstarrant architects
101 Ashbrooke Avenue, Lexington, Kentucky 40502 p.859.254.4018

NOT FOR CONSTRUCTION

FLOOR PLAN - AREA A

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9274

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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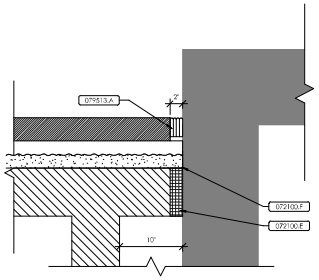
FLOOR PLAN - AREA A

DATE ISSUED:
7/11/2024

SCALE: NTS

REVISIONS		
#	DATE	DESCRIPTION



PLAN DETAIL
1 1/2" = 1'-0"
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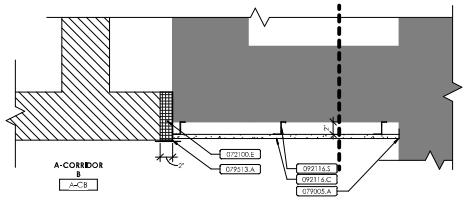
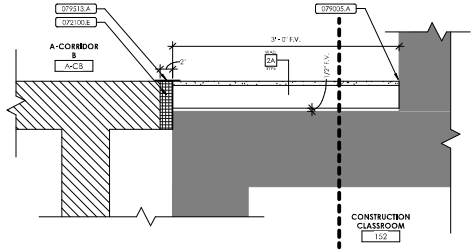
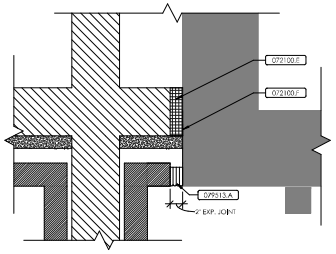


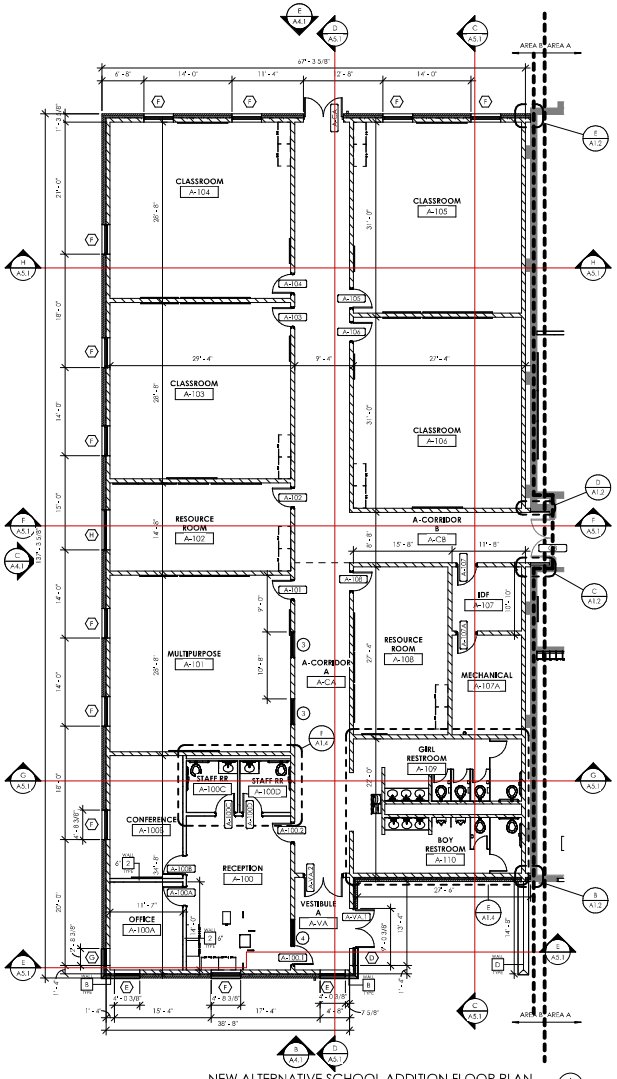
PLAN DETAIL
1 1/2" = 1'-0"
D A1.2



PLAN DETAIL
1 1/2" = 1'-0"
C A1.2



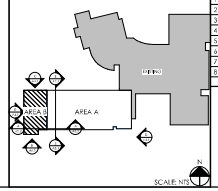
PLAN DETAIL
1 1/2" = 1'-0"
B A1.2



NEW ALTERNATIVE SCHOOL ADDITION FLOOR PLAN
1/8" = 1'-0"
A A1.2

MATERIAL REFERENCE	
072100.E	Extruded Polystyrene Board Insulation
072100.F	Transition Membrane
079005.A	Joint Sealant
079513.A	Joint Covers
092116.C	Gypsum Board-Regular/Type "X"
092116.B	Subgirt/Z Clips

KEY PLAN



SCALE: NTS

rosstarrant architects
101 Kentucky Avenue, Paducah, Kentucky 42002 p.859.254.4018

NOT FOR CONSTRUCTION

FLOOR PLAN - AREA B

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9274

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.651.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

SHEET RELEASE

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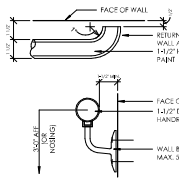
A1.2

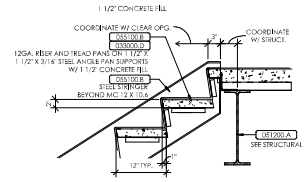
FLOOR PLAN - AREA B

DATE ISSUED:
7/11/2024

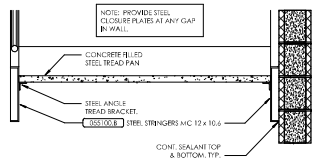
REVISIONS		
#	DATE	DESCRIPTION



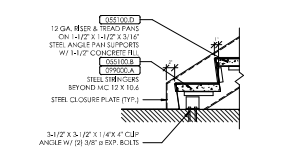
TYP. HANDRAIL END DETAIL
3" = 1'-0" (P / A1.4)



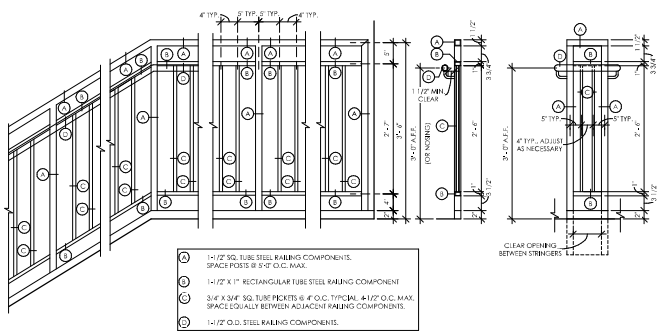
TOP STAIR DETAIL
1" = 1'-0" (N / A1.4)



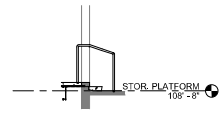
STAIR STRINGER DETAIL
1" = 1'-0" (O / A1.4)



BOTTOM STAIR DETAIL
1" = 1'-0" (M / A1.4)

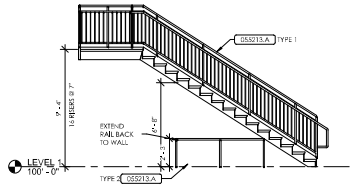


TYP. GUARDRAILTYPE 1
1" = 1'-0" (A / A1.4)

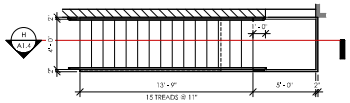


STAIR SECTION
1/4" = 1'-0" (K / A1.4)

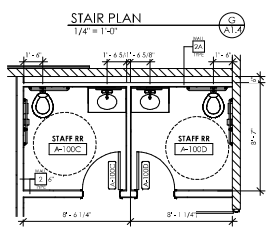
STAIR PLAN
1/4" = 1'-0" (J / A1.4)



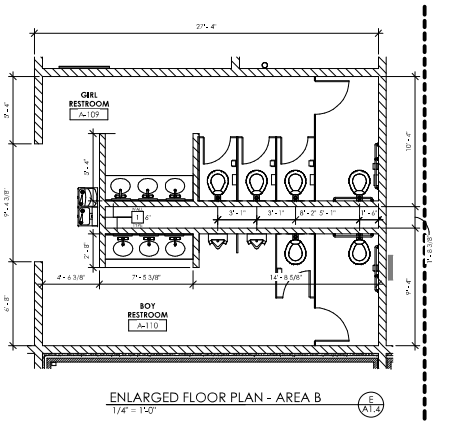
STAIR SECTION
1/4" = 1'-0" (H / A1.4)



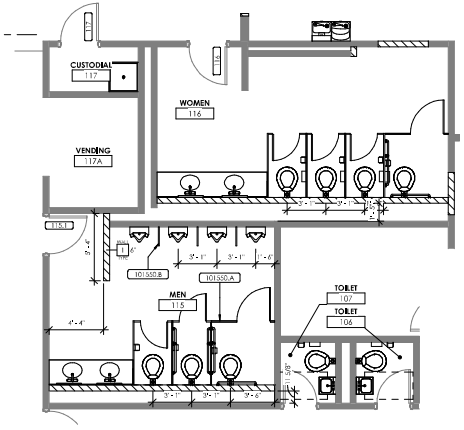
STAIR PLAN
1/4" = 1'-0" (G / A1.4)



ENLARGED FLOOR PLAN - AREA B
1/4" = 1'-0" (F / A1.4)



ENLARGED FLOOR PLAN - AREA B
1/4" = 1'-0" (E / A1.4)



ENLARGED FLOOR PLAN - AREA A
1/4" = 1'-0" (D / A1.4)

MATERIAL REFERENCE

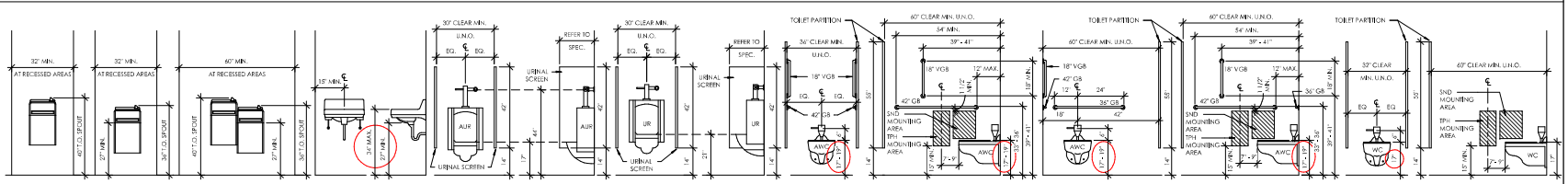
053000.D	Slab-on-Deck
051200.A	Structural Steel Member
055100.B	Metal Stringer
055100.D	Miscellaneous Metal Stair Components
055213.A	Steel Component Railing
099000.A	Paint
101550.A	Toilet Compartment
101550.B	Urinal Screen
102800.A	Toilet & Bath Accessories

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.

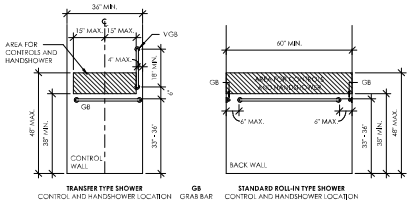
TOILET ACCESSORY LEGEND

A-LAV	ALAV	ACCESSIBLE LAVATORY
A-LAVP	ALAVP	ACCESSIBLE LAVATORY - PRESCHOOL HEIGHT
ARS	ARS	ACCESSIBLE ROLL-IN SHOWER: INCLUDES GRAB BARS, CURTAIN ROD, SOAP DISH, AND SEAT
AUR	AUR	ACCESSIBLE URINAL
AWC	AWC	ACCESSIBLE WATER CLOSET
AWCP	AWCP	ACCESSIBLE WATER CLOSET - PRESCHOOL HEIGHT, FLOOR MOUNTED
CH	CH	COAT HOOK
DCS	DCS	DIAPER CHANGING STATION
DF	DF	DRINKING FOUNTAIN
EHD	EHD	ELECTRIC HAND DRYER
FD	FD	FLOOR DRAIN - REFER TO MEP
FSS	FSS	FOLDING SHOWER SEAT
GB	GB	SHOWER GRAB BAR
GB-24	GB-24	24" GRAB BAR
GB-36	GB-36	36" GRAB BAR
GB-42	GB-42	42" GRAB BAR
LAV	LAV	LAVATORY
MBH	MBH	MOP AND BROOM HANGER
MR	MR	MIRROR
MS	MS	MOP SINK
PTD	PTD	PAPER TOWEL DISPENSER
RH	RH	ACCESSIBLE ROBE HOOK
SC	SC	SHOWER CURTAIN
SD	SD	SOAP DISPENSER
SDH	SDH	SOAP DISH HOLDER
SH	SH	SHOWER STALL
SND	SND	SANITARY NAPKIN DISPOSAL
SS	SS	SHOWER SEAT
TPH	TPH	TOILET PAPER HOLDER
UR	UR	STANDARD HEIGHT URINAL
VGB	VGB	18" VERTICAL GRAB BAR
WC	WC	STANDARD WATER CLOSET

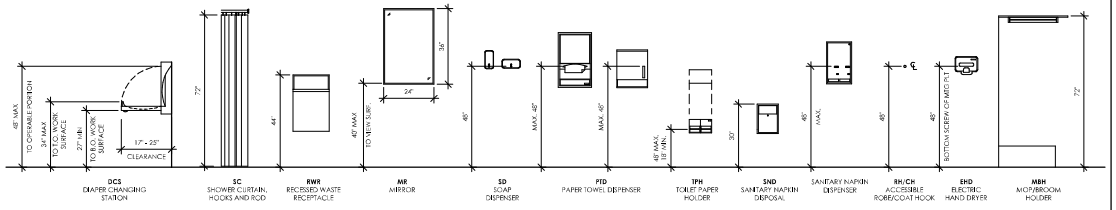


(NOTE: SOME ITEMS SHOWN MAY NOT BE APPLICABLE TO THE PROJECT)

PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS
1/2" = 1'-0" (C / A1.4)



SHOWER CONTROLS
1/2" = 1'-0" (B / A1.4)



(NOTE: SOME ITEMS SHOWN MAY NOT BE APPLICABLE TO THE PROJECT)

TOILET ACCESSORIES, DEVICE, AND EQUIPMENT MOUNTING HEIGHTS
1/2" = 1'-0" 102800.A (A / A1.4)

rosstarrant architects
101 Bilbo Griffith Avenue, Lexington, Kentucky 40502 p.859.254.4018

NOT FOR CONSTRUCTION

ENLARGED FLOOR PLANS

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9274

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.651.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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ENLARGED FLOOR PLANS

DATE ISSUED:
7/11/2024

REVISIONS

#	DATE	DESCRIPTION

EQUIPMENT LEGEND

A	INSTRUCTOR'S DESK/LECTERN	N.I.C.
B	OWNER PROVIDED TV	N.I.C.
C	REFRIGERATOR	N.I.C.
D	FREE STANDING COPIER	
E	ICE MACHINE	N.I.C.
F	ADJUSTABLE STEEL SHELVING	N.I.C.
G	CO1	N.I.C.
H	SEWING MACHINE	N.I.C.

OPTIMUM MOUNTING HEIGHTS

ITEM (DIMENSION TO)	GRADE LEVEL	
	7 THRU 9	10 THRU 12
VISUAL DISPLAY BOARDS - MARKER, TACK, CHALK	TOP 80" BOTTOM 32"	TOP 80" BOTTOM 34"
COUNTERTOP: STANDING POSITION (TOP)	34"	36"
DESKTOP/TABLETOP: SEATED POSITION (TOP)	26"	27"
PANIC DEVICE DOOR HARDWARE (CENTERLINE)	40"	42"
FIRE EXTINGUISHER CABINET (BOTTOM)	40"	
FIRE EXTINGUISHER CABINET (CENTER OF VALVE LINE)	64"	
COAT HOOK (CENTERLINE)	54"	55"

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	SIGN TYPE	COMMENTS
101	CORRIDOR	ETR	ETR	ETR	ETR	ETR	ETR			
102	LOBBY	SVT1+SVT2	RB1	P1	P1	P1	P1	APC1	TYPE 1	
103	WORKROOM	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1;SS3
104	CLOSET	SVT1	RB1	P1	P1	P1	P1	APC1	N/A	
106	TOILET	CT1	CT1	CT2	CT2	CT2	CT2	APC1	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
107	TOILET	CT1	CT1	CT2	CT2	CT2	CT2	GYP	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
108	OFFICE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 2	BWS1;SS3
109	CLOSET	SVT1	RB1	P1	P1	P1	P1	APC1	N/A	
110	OFFICE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 2	BWS1;SS3
111	CLOSET	SVT1	RB1	P1	P1	P1	P1	APC1	N/A	
112	OFFICE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 2	
113	OFFICE	CT1	CT1	P1	P1	P1	P1	APC1	TYPE 2	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
115	MEN	CT1	CT1	CT2	CT2	CT2	CT2	GYP	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
116	WOMEN	CT1	CT1	CT2	CT2	CT2	CT2	GYP	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
117	CUSTODIAL	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
117A	VENDING	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
118	AG-CLASSROOM	SVT1	RB1	P1	P4	P1	P1	APC1	TYPE 1	BWS1;RWS1;SS3
119	VEST	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
120	AG-CLASSROOM	SVT1	RB1	P4	P1	P1	P1	APC1	TYPE 1	BWS1;RWS1;SS3
121	OFFICE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 2	BWS1;RWS1;SS3
122	OFFICE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 2	BWS1;RWS1;SS3
123	AGRICULTURE LAB	ETR	RB1	P1	P1	P1	P1		TYPE 1	BWS1
124	STORAGE	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
125	STORAGE	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
126	ELECTRICAL	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
128	STORAGE	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
129	CUSTODIAL/JDF	SC1	RB1	P1	P1	P1	P1	GYP	TYPE 1	
130	CLASSROOM	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1
131	CULINARY ARTS	RF1	RF1	P1	P1	P4	P1	APC2	TYPE 1	BWS1;RWS1;SS3; REFINISH EXISTING STAIRS
131A	Storage	RF1	RF1	P1	P1	P1	P1	APC2	TYPE 1	
132	STORAGE	RF1	RF1	P1	P1	P1	P1	APC1	TYPE 1	
133	STORAGE	RF1	RF1	P1	P1	P1	P1	APC1	TYPE 1	
134	SEWING LAB	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1
135	MECH ROOM	ETR	ETR	ETR	ETR	ETR	ETR		TYPE 1	
136	WELDING LAB	SC1	RB1	P1	P1	P1	P1		TYPE 1	BWS1
137	WELDING CLASSROOM	ETR	RB1	P1	P1	P1	P1	APC1	TYPE 1	
138	STORAGE	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
139	STORAGE	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
140	IT LAB	SVT1	RB1	P1	P1	P4	P1	APC1	TYPE 1	BWS1;RWS1;SS3
141	FCS CLASSROOM	SVT1	RB1	P1	P1	P4	P1	APC1	TYPE 1	BWS1
142	STORAGE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
143	STORAGE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
144	STORAGE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
145	HEALTH SCIENCE LAB	SVT1	RB1	P4	P1	P1	P1	APC1	TYPE 1	BWS1;SS3
148	HEALTH SCIENCE CLASSROOM	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1
149	HEALTH SCIENCE CLASSROOM	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1
150	STORAGE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
151	CONSTRUCTION LAB	ETR	RB1	P1	P1	P1	P1		TYPE 1	REFINISH EXISTING STAIRS
152	CONSTRUCTION CLASSROOM	SVT1	RB1	P1	P1	P4	P1	APC1	TYPE 1	BWS1
153	STORAGE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
A-100	RECEPTION	SVT1	RB1	P1	P1	P4	P1	APC1	TYPE 1	BWS1
A-100A	OFFICE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1
A-100B	CONFERENCE	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1
A-100C	STAFF RR	CT1	CT1	CT2	CT2	CT2	CT2	GYP	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
A-100D	STAFF RR	CT1	CT1	CT2	CT2	CT2	CT2	GYP	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
A-101	MULTIPURPOSE	SVT1	RB1	P1	P1	P1	P4	APC1	TYPE 1	BWS1;RWS1
A-102	RESOURCE ROOM	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1;RWS1
A-103	CLASSROOM	SVT1	RB1	P1	P1	P1	P4	APC1	TYPE 1	BWS1;RWS1
A-104	CLASSROOM	SVT1	RB1	P1	P1	P1	P4	APC1	TYPE 1	BWS1;RWS1
A-105	CLASSROOM	SVT1	RB1	P4	P1	P1	P1	APC1	TYPE 1	BWS1;RWS1
A-106	CLASSROOM	SVT1	RB1	P1	P4	P1	P1	APC1	TYPE 1	BWS1
A-107	IDF	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
A-107A	MECHANICAL	SC1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
A-108	RESOURCE ROOM	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	BWS1
A-109	GIRL RESTROOM	CT1	CT1	CT2	CT2	CT2	CT2	GYP	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
A-110	BOY RESTROOM	CT1	CT1	CT2	CT2	CT2	CT2	GYP	TYPE 3	CT1 4" CUT BASE W/ SCHLUTER COVE TRIM; WALLS WITH CT2 SHALL NOT RECEIVE CT1 4" CUT BASE
A-CA	A-CORRIDOR A	SVT1+SVT4	RB1	P1	P1	P1	P1	APC1	TYPE 1	
A-CB	A-CORRIDOR B	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
A-VA	VESTIBULE A	SVT1	RB1	P1	P1	P1	P1	APC1	TYPE 1	
CA	CORRIDOR A	SVT1+SVT4	RB1	P1	P1	P1	P1	APC1		
CB	CORRIDOR B	SVT1+SVT4	RB1	P1	P1	P1	P1	APC1	TYPE 1	
SF-A	STORAGE PLATFORM A									
SF-B	STORAGE PLATFORM B									
SF-C	STORAGE PLATFORM C									
SF-D	STORAGE PLATFORM D									
SF-E	STORAGE PLATFORM E									
SF-F	STORAGE PLATFORM F									
SF-G	STORAGE PLATFORM G									
SF-H	STORAGE PLATFORM H									
SF-J	STORAGE PLATFORM J									

FINISH LEGEND

SPEC SECTION	KEY	BASIS OF DESIGN
	ETR	EXISTING TO REMAIN
06 41 00	HPL1	PLASTIC LAMINATE - COUNTERTOPS
	HPL2	PLASTIC LAMINATE - BASE & WALL CABINETS
	SS1	SOLID SURFACE - RESTROOM COUNTERTOP
	SS2	SOLID SURFACE - RECEPTION DESK
	SS3	SOLID SURFACE - WINDOW SILLS
08 14 16	WD1	WOOD DOOR
09 21 16	FRP1	FIBERGLASS REINFORCED PANELS
09 30 00	CT1	CERAMIC FLOOR TILE
	CT2	CERAMIC WALL TILE
	CT 3-5	ACCENT WALL TILE
09 51 13	APC1	ARMSTRONG - SCHOOL ZONE FINE FISSURED - 2X2
	APC2	ARMSTRONG - KITCHEN ZONE - 2X2
09 65 00	SVT1	SOLID VINYL TILE TYPICAL
	SVT 2-4	SOLID VINYL TILE ACCENTS
09 65 13	RB1	TYP. 4"H RESILIENT BASE (COVE - ROLLS)
09 67 23	RF1	RESINOUS FLAKE EPOXY (CUSTOM - 3 COLOR 1/4" FLAKE)
09 90 00	P1	PAINTING - TYPICAL
	P2	PAINTING - HM DOORS & FRAMES
	P3	PAINTING - CEILING
	P4-6	PAINTING - ACCENT
	SC1	SEALED CONCRETE
10 11 01	MB1	MARKERBOARD - 4'x4'
	TB1	TACKBOARD - 4'x4'
	TB2	TACKBOARD - 8'x4'
10 14 24		SIGNAGE
10 15 50	TC1	TOILET COMPARTMENTS & URINAL SCREENS
10 21 23	CC1	CUBICLE CURTAIN
10 28 00		TOILET & BATH ACCESSORIES
10 50 50	ML1	METAL LOCKERS
10 65 60	WBC1	WELDING BOOTH CURTAIN
12 24 13	RWS1	MANUAL ROLLER WINDOW SHADES
	BWS1	BLACKOUT WINDOW SHADES - DOOR LITES
	BWS2	BLACKOUT WINDOW SHADES - CORRIDOR WINDOWS
12 34 50	STS1	STAINLESS STEEL CABINETS
12 35 50	HPL3	PLASTIC LAMINATE - COUNTERTOPS
	HPL4	PLASTIC LAMINATE - BASE & WALL CABINETS
	K	GOGGLE CABINET
	L	FIRST AID CABINET
	M	FIRE BLANKET CABINET
	N	RECESSED SAFETY SHOWER

MATERIAL REFERENCE

061000.A	Wood Blocking
061000.B	Plywood Sheathing
064100.A	Plastic Laminate Countertop
064100.C6	Solid-Surface Countertop & Backsplash
096513.A	Resilient Wall Base & Accessories
123530.A1	Plastic Laminate Base Cabinet
123530.A4	Plastic Laminate Wall Cabinet
123530.B3	Plastic Laminate Countertop w/ Back & Side Splashes
123550.D1	4" Wire Pull
123550.H2	Melamine on Plywood Substrate

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 THE 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. PAINTING SHALL INCLUDE STAIR ASSEMBLY COMPONENTS INCLUDING STRINGER, HANDRAILS, ETC...
12. PROVIDE MECHANICALLY FASTENED, WALL CORNER GUARDS FOR ALL OUTSIDE GYPSUM CORNERS, TYP. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
13. COUNTERTOP & SHELVING BRACKETS (WHERE APPLICABLE) WILL BE EQUAL TO A&M HARDWARE STEEL BRACKETS. SIZES SHALL ACCOMMODATE THE VARIOUS DEPTHS INDICATED IN THE DRAWINGS.
14. ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.
15. ETR TYP.- DISTRICT TO REMOVE BEFORE CONSTRUCTION AND REINSTALL UPON COMPLETION.

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

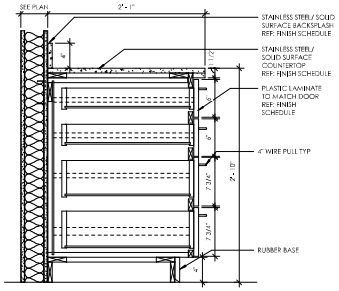
SIGN TYPE 3 (RESTROOM & OTHER SYMBOL SIGNS) : TYPICAL 8"H X 8"W PANEL SIGN WITH SYMBOL - REFER TO SPECIFICATION FOR DETAILS ON MATERIALS AND MECHANICAL MOUNTING DETAILS

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

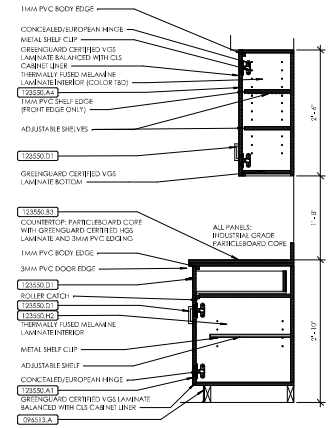
SIGN TYPE 5 (DIRECTIONAL) : (VARIES AS NEEDED BY TEXT - NOT TO EXCEED 20"L X 8"W PANEL SIGN WITH ARROWS AND NUMBERS AND TEXT

SIGN TYPE 6 (EXIT STAIR) : 8"H X 5"W EXIT STAIR SIGN WITH BRAILLE AND CONFORMING TO CODE STANDARDS WITH TEXT "EXIT STAIR DOWN"

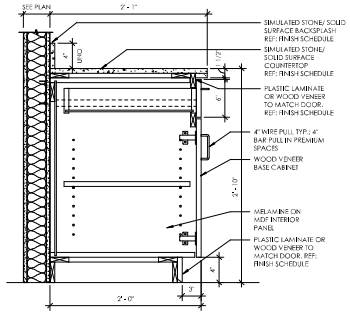
PLAQUE: SEE A2.0 FOR PLAQUE SIZE AND TEXT



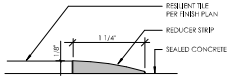
BASE CABINET WITH TIERED DRAWERS (F / A2.0)
1 1/2" = 1'-0"



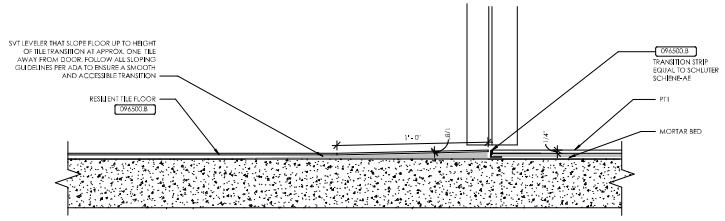
COPY/PRINT CABINETS SECTION, TYP. (E / A2.0)
1" = 1'-0"



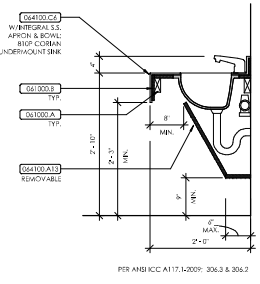
BASE CABINET WITH DRAWER (D / A2.0)
1 1/2" = 1'-0"



TRANSITION @ RESILIENT TILE/SEALED CONC. (C / A2.0)
N.T.S.



ZERO HEIGHT RESTROOM TRANSITION (B / A2.0)
3" = 1'-0"



PER ANSI ICC A117.1-2009: 306.3 & 306.2

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 4.2.4IS PROVIDED.

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

NOTE: SPEC. 064100

ADA SINK SECTION - 2 (A / A2.0)
1" = 1'-0"

rosstarrant architects
101 Airdrome Drive, Avenue, Bardstown, Kentucky 40022 p 859.236.4018

NOT FOR CONSTRUCTION

ROOM FINISH SCHEDULE
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9274

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.651.8848

BG 23-425

Project No:	23066
Drawn By:	KC/CB
Rev'd By:	GH/SB

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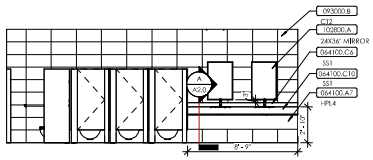
ROOM FINISH SCHEDULE

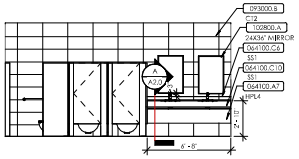
DATE ISSUED:
7/11/2024

REVISIONS		
#	DATE	DESCRIPTION

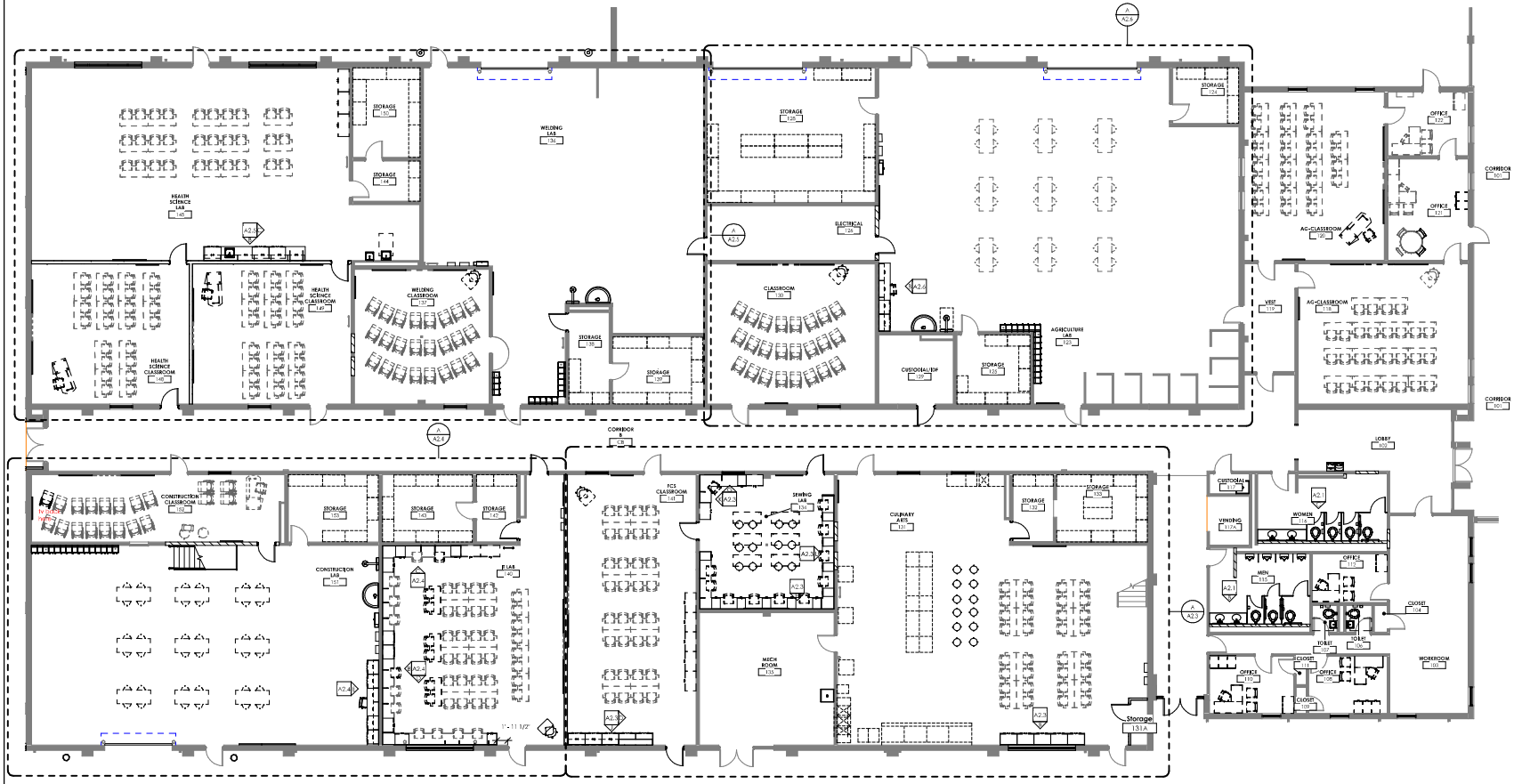
MATERIAL REFERENCE	
064100.A7	Plastic Laminate Enclosure Panel
064100.C6	Solid-Surface Countertop & Backsplash
064100.C10	Solid Surface Apron
093000.B	Wall Tile
102800.A	Toilet & Bath Accessories



116 WOMENS RESTROOM PLAN SOUTH
1/4" = 1'-0"
C A2.1



115 MENS RR PLAN SOUTH
1/4" = 1'-0"
B A2.1



FF&E AREA A
1/8" = 1'-0"
A A2.1

rosstarrant architects
101 Kentucky Avenue, Paducah, Kentucky 42002 p 859.254.4018

NOT FOR CONSTRUCTION

FLOOR PLANS CTE - INTERIORS
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9274

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.651.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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FLOOR PLANS CTE - INTERIORS

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REVISIONS		
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MATERIAL REFERENCE	
064100.A	Custom Casework
064100.A1	Plastic Laminate Base Cabinet
064100.A3	Plastic Laminate cabinet
064100.A4	Plastic Laminate Lateral File w/ Hanging Hardware
064100.A7	Plastic Laminate Enclosure Panel
064100.C1	Stainless Steel Countertop
064100.C5	Solid-Surface Countertop
064100.C6	Solid-Surface Countertop & Backsplash
064100.C10	Solid Surface Apron
064100.D7	3 1/2" Dia Grommet Sleeve
064100.F3	Countertop Support @ 32" O.C. - Provide Blocking in Wall
093000.A	Ceramic Tile
093000.B	Wall Tile
096513.A	Resilient Wall Base & Accessories
102800.A	Toilet & Bath Accessories
123550.A11	Plastic Laminate Full-Height Storage Cabinet

rosstarrant architects
101 Ashbrooke Avenue, Lexington, Kentucky 40502 p.859.254.4018

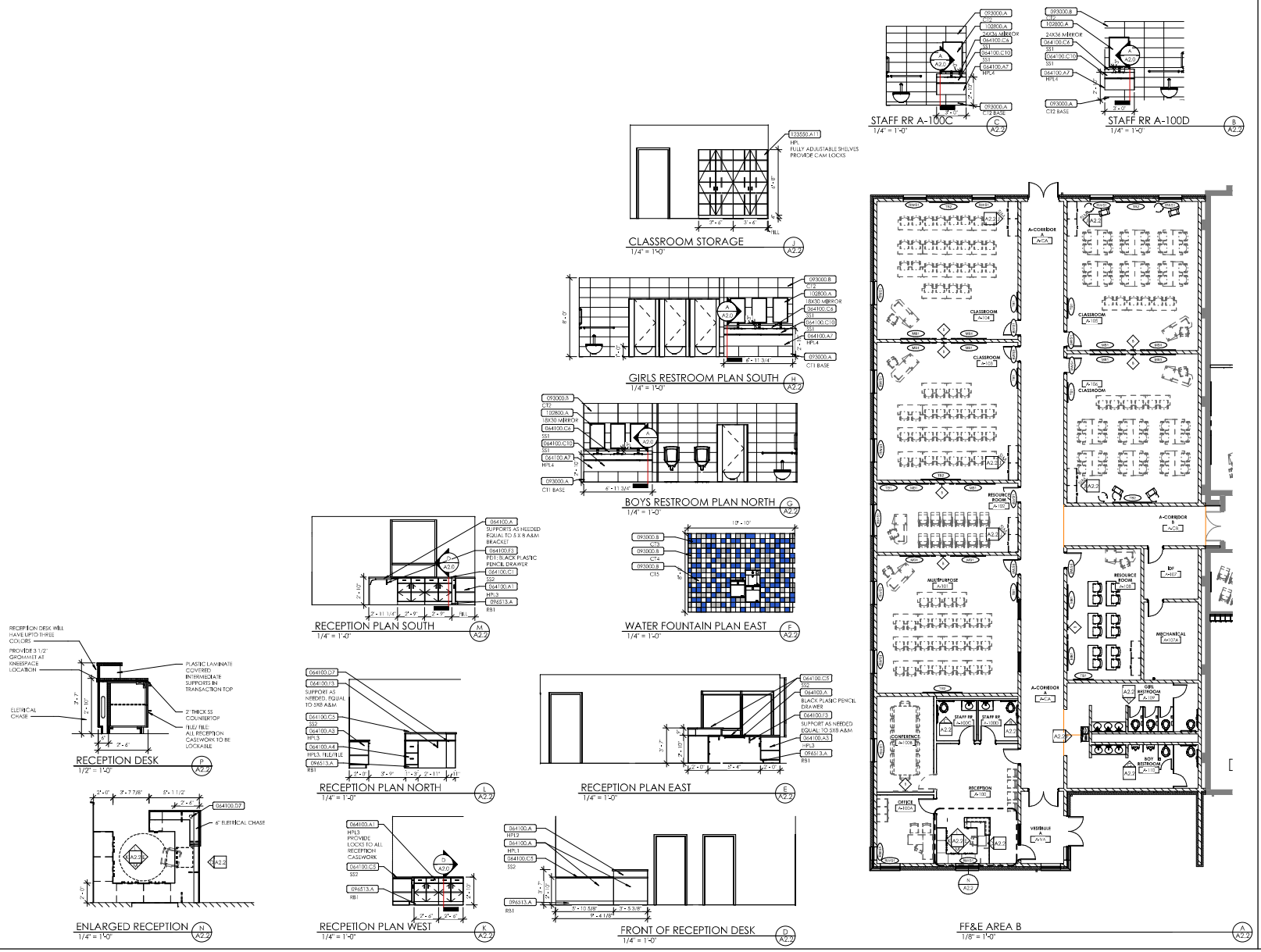
NOT FOR CONSTRUCTION

FLOOR PLAN ALTERNATIVE SCHOOL- INTERIORS

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134



BG 23-425	
Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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FLOOR PLAN ALTERNATIVE SCHOOL- INTERIORS
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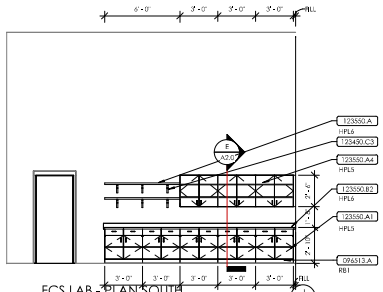
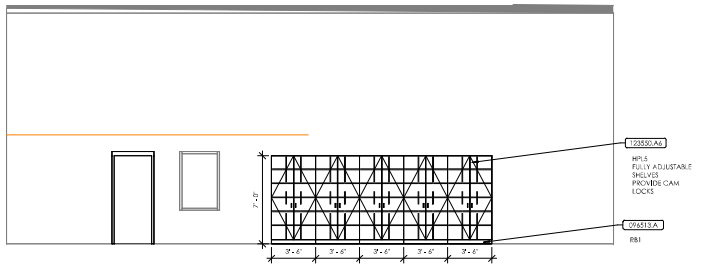
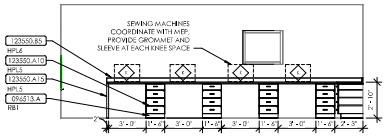


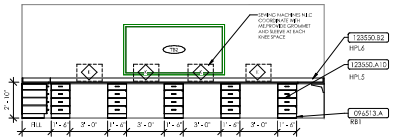
FCS LAB - PLAN SOUTH
1/4" = 1'-0"
A2.3



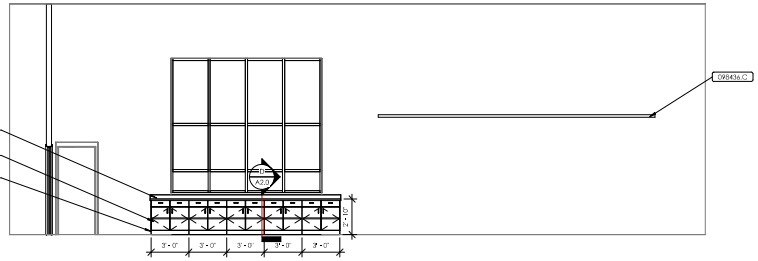
FCS LAB PLAN EAST
1/4" = 1'-0"
D
A2.3



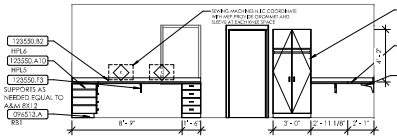
SEWING LAB PLAN EAST
1/4" = 1'-0"
L
A2.3



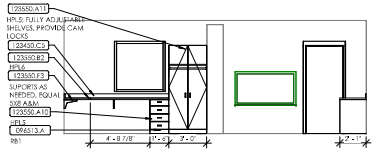
SEWING PLAN PLAN SOUTH
1/4" = 1'-0"
H
A2.3



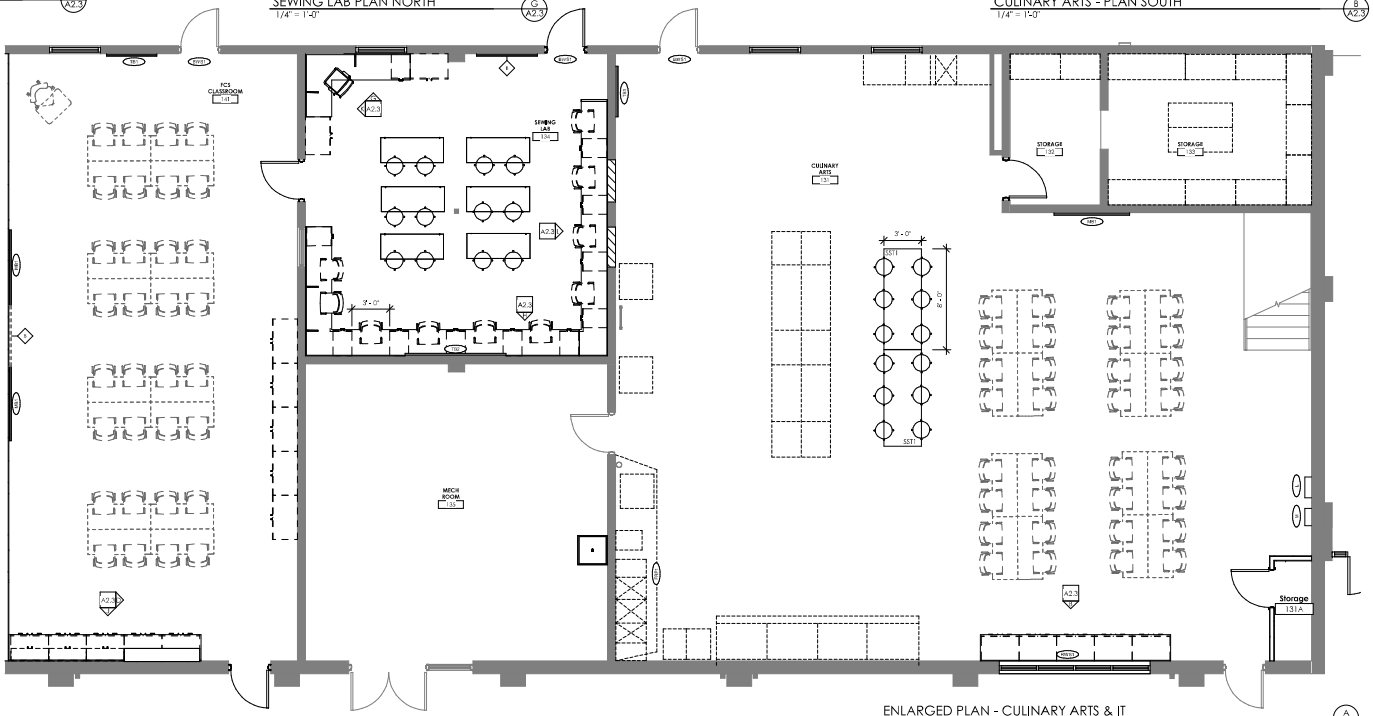
CULINARY ARTS - PLAN SOUTH
1/4" = 1'-0"
B
A2.3



SEWING LAB PLAN WEST
1/4" = 1'-0"
K
A2.3



SEWING LAB PLAN NORTH
1/4" = 1'-0"
G
A2.3



ENLARGED PLAN - CULINARY ARTS & IT
1/4" = 1'-0"
A
A2.3

MATERIAL REFERENCE	
096513.A	Resilient Wall Base & Accessories
096843a.C	Acoustical Ceiling Clouds
123450.C3	Shelf Support Bracket
123450.C4	Countertop Support Bracket
123450.C5	Grommet
123550.A	Institutional Casework
123550.A1	Plastic Laminate Base Cabinet
123550.A4	Plastic Laminate Wall Cabinet
123550.A6	Plastic Laminate Full-Hgt. Storage Cabinet & Lock
123550.A10	Plastic Laminate Drawer Base Cabinet
123550.A11	Plastic Laminate Full-Height Storage Cabinet
123550.A15	Plastic Laminate Covered Vertical Support Panel
123550.B2	Plastic Laminate Countertop & Backsplash
123550.B4	Stainless Steel Countertop
123550.B5	Stainless Steel Countertop & Backsplash
123550.F3	Countertop Support w/ 1"x4" Wall Blocking @ 30" O.C. (match A&M Hardware, size for Counter Depth)

rosstarrant architects
101 Kentucky Avenue, Paducah, Kentucky 42002 p 859.254.4018

NOT FOR CONSTRUCTION

ENLARGED FLOOR PLANS & ELEVATIONS

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9274

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.451.8848

BG

Project No:	23066
Drawn By:	Author
Rev'd By:	Checker

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ENLARGED FLOOR PLANS & ELEVATIONS
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7/11/2024

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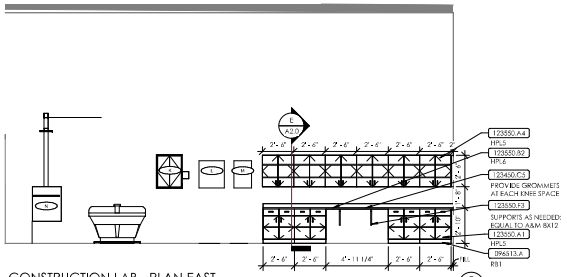
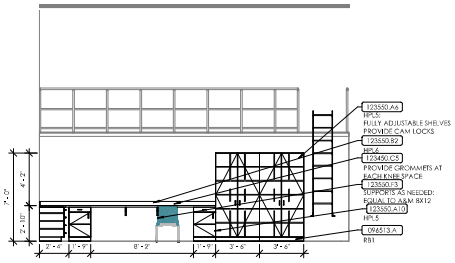
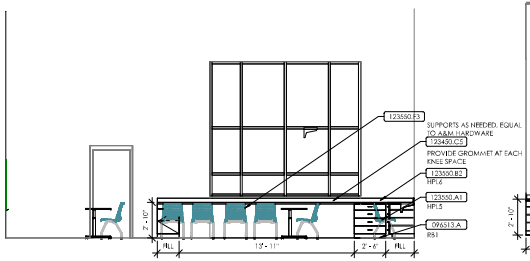


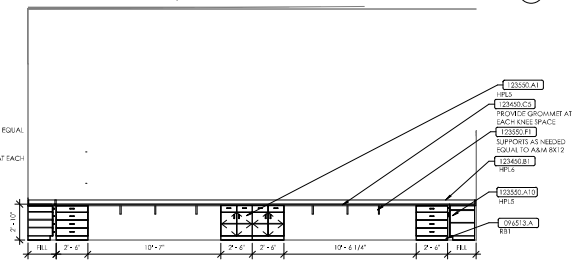
CONSTRUCTION LAB - PLAN EAST
1/4" = 1'-0"
E A2.4



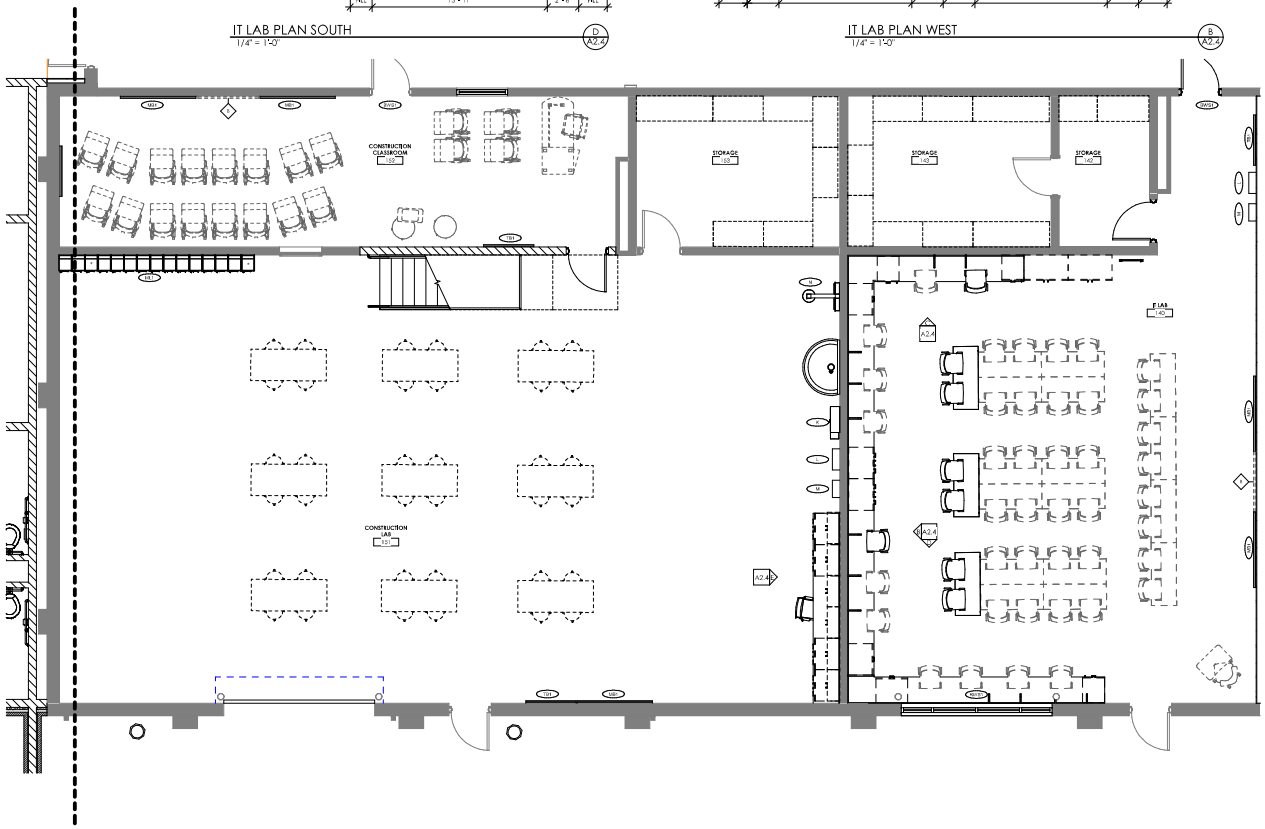
IT LAB PLAN NORTH
1/4" = 1'-0"
C A2.4



IT LAB PLAN SOUTH
1/4" = 1'-0"
D A2.4



IT LAB PLAN WEST
1/4" = 1'-0"
B A2.4



ENLARGED PLANS - FAMILY CONSUMER SCIENCE & CONSTRUCTION
1/4" = 1'-0"
A A2.4

rosstarrant architects
101 Ashbrooke Avenue, Lexington, Kentucky 40502 p.859.254.4018

NOT FOR CONSTRUCTION

ENLARGED PLANS - FAMILY CONSUMER SCIENCE & CONSTRUCTION
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9214

Structural Engineer:
BFW Engineering & Testing
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Construction Manager:
Alliance Corporation
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Project No:	23066
Drawn By:	Author
Rev'd By:	Checker

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ENLARGED PLANS - FAMILY CONSUMER SCIENCE & CONSTRUCTION
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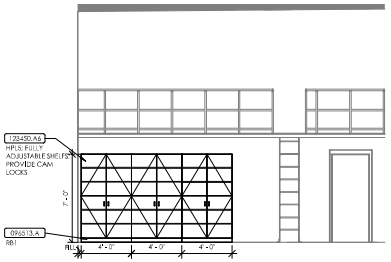
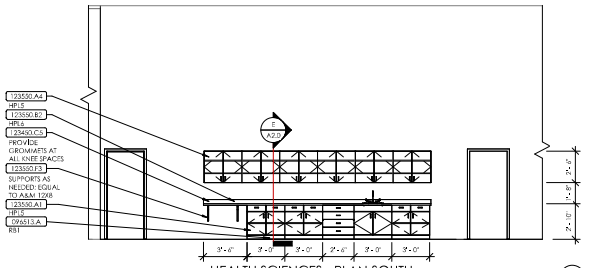
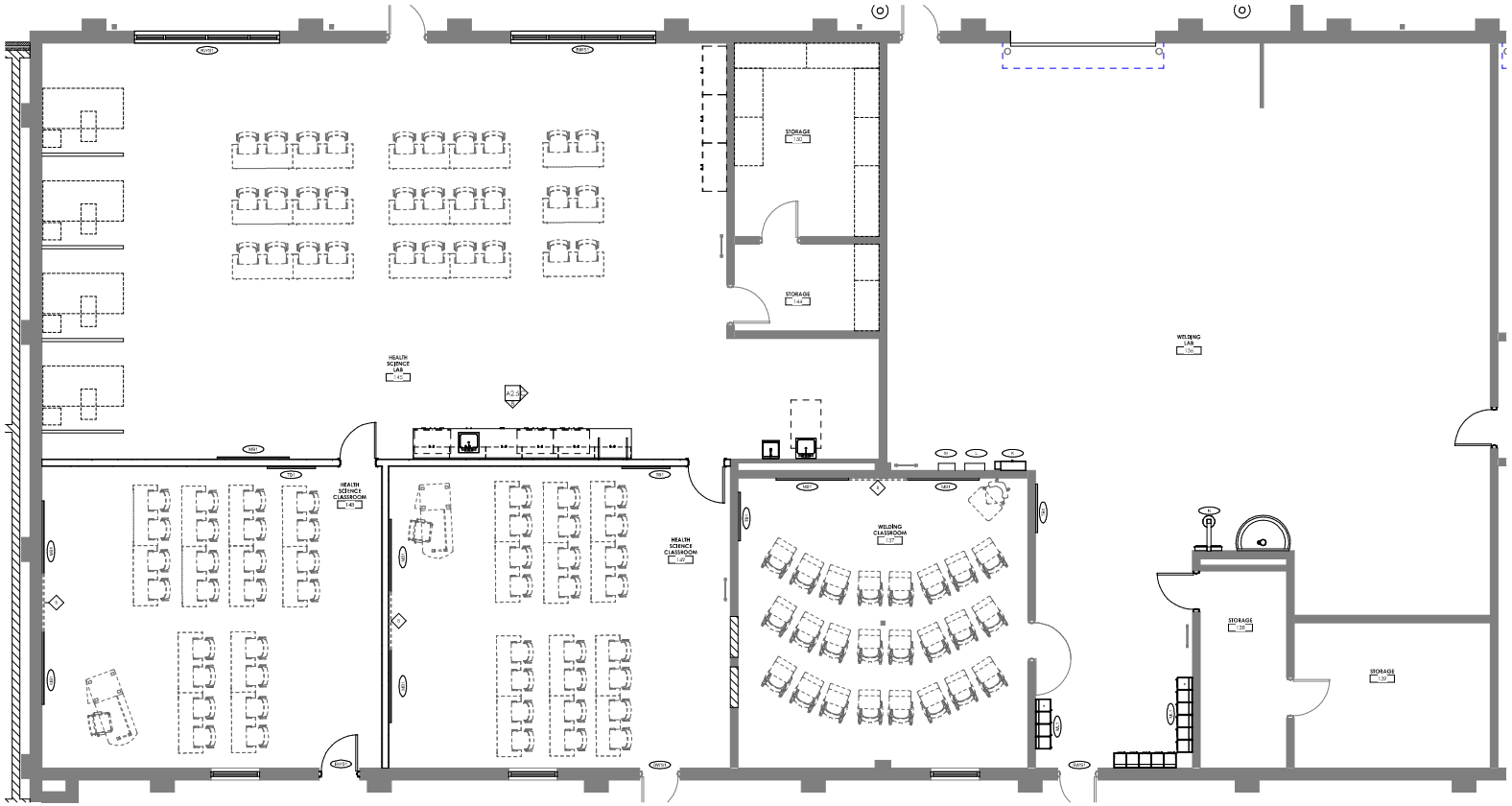


HEALTH SCIENCES - PLAN EAST
1/4" = 1'-0"
C A2.5



HEALTH SCIENCES - PLAN SOUTH
1/4" = 1'-0"
B A2.5



LEVEL 1 PLAN FF&E - Callout 1
1/4" = 1'-0"
A A2.5

rosstarrant architects
101 Kentucky Avenue, Paducah, Kentucky 42002 p 859.254.4018

NOT FOR CONSTRUCTION

ENLARGED HEALTH SCIENCES & WELDING

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9274

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.651.8848

BG

Project No:	23066
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ENLARGED HEALTH SCIENCES & WELDING
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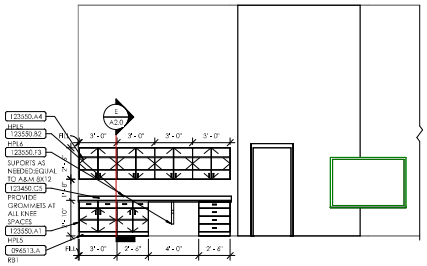
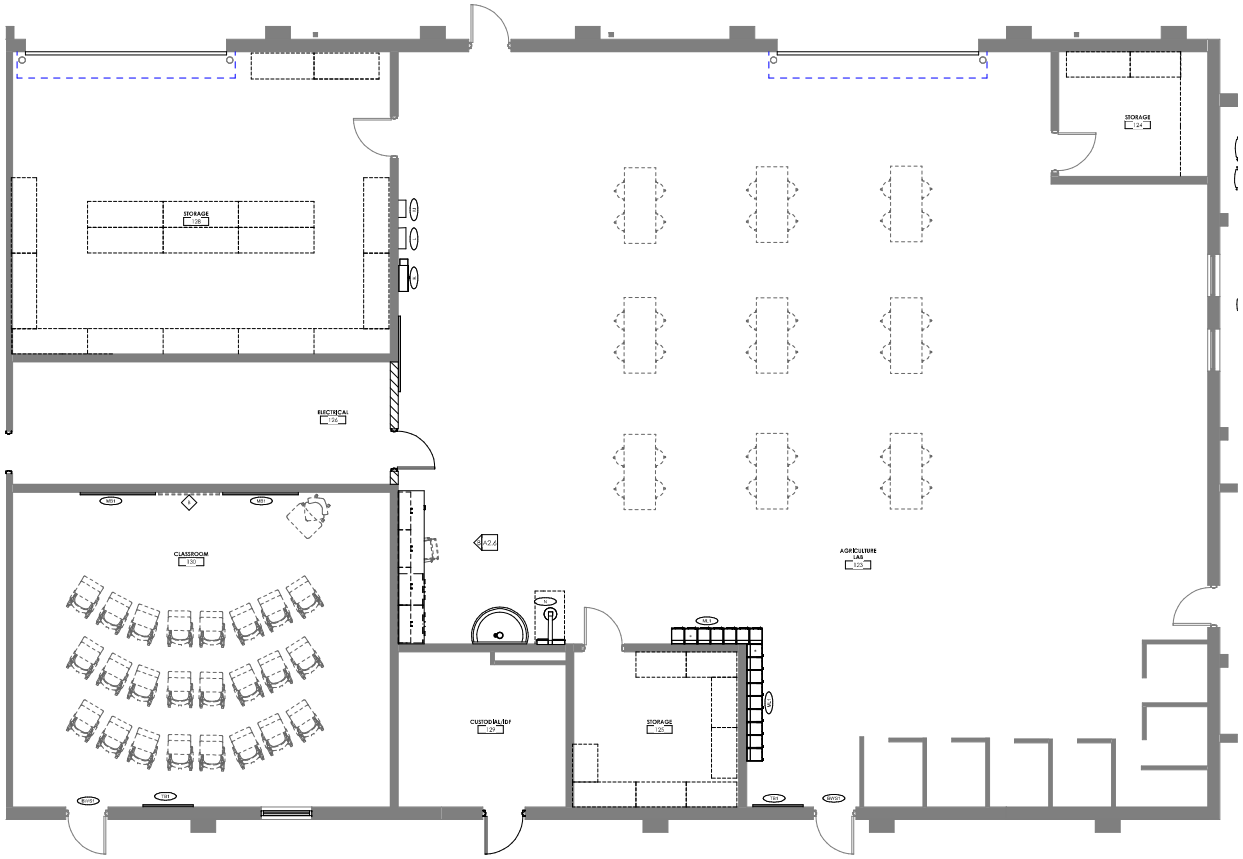
#	DATE	DESCRIPTION



AG LAB - PLAN WEST
1/4" = 1'-0"
B
A2.6



ENLARGED PLAN - AGRICULTURE
1/4" = 1'-0"
A
A2.6

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101 Kentucky Avenue, Lexington, Kentucky 40502 p 859.254.4018

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ENLARGED FLOOR PLAN - AGRICULTURE
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
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Construction Manager:
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Project No:	23066
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ENLARGED FLOOR PLAN - AGRICULTURE
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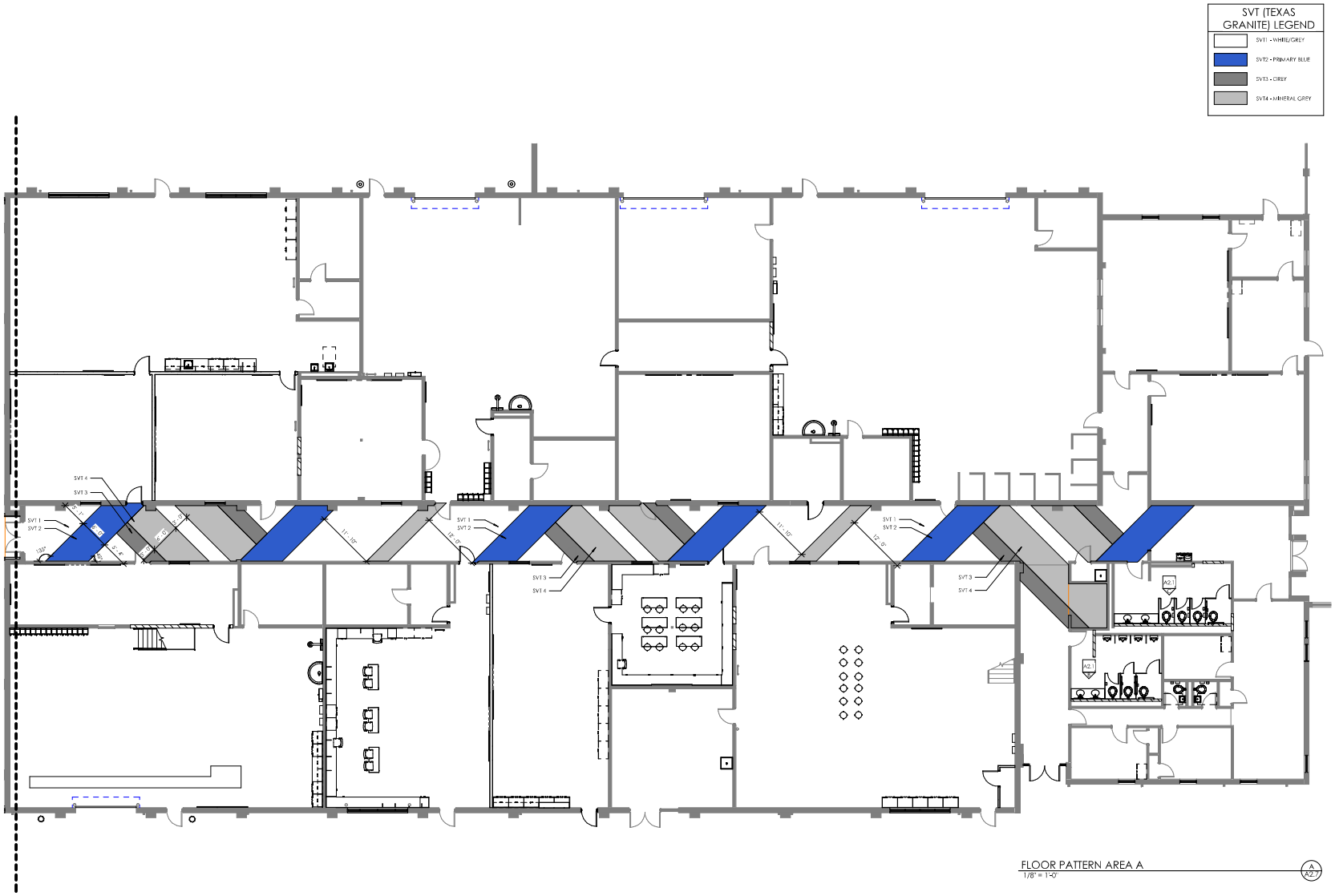
#	DATE	DESCRIPTION



FLOOR PATTERN AREA A
1/8" = 1'-0"
A
A2.7

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FLOOR PATTERNS AREA A
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

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FLOOR PATTERNS AREA A

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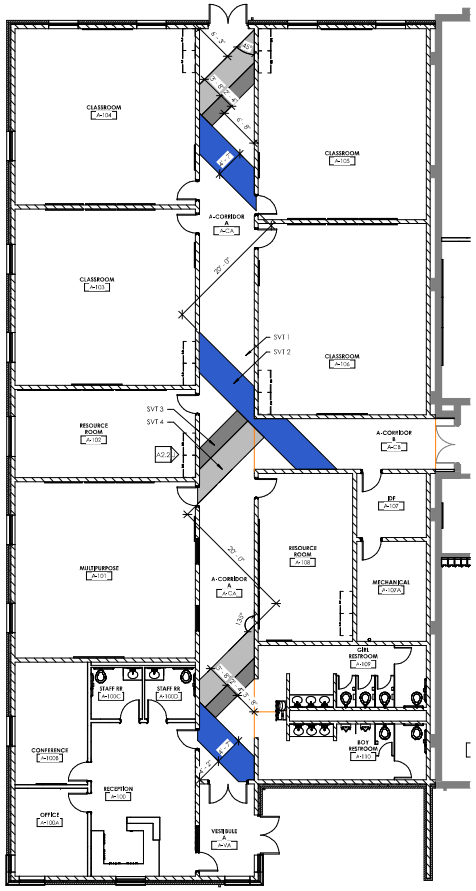
SVT (TEXAS GRANITE) LEGEND

- SVT1 - WHITE/GREY
- SVT2 - PRIMARY BLUE
- SVT3 - GREY
- SVT4 - MINERAL GREY



FLOOR PATTERNS AREA B
1/8" = 1'-0"
A / A2.8

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FLOOR PATTERNS AREA B

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

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400 S College St, Franklin, KY 42134

M.E.P Engineer:
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Construction Manager:
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Project No:	23066
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FLOOR PATTERNS AREA B

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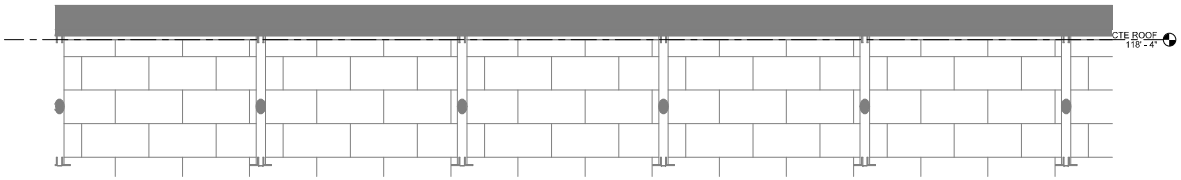
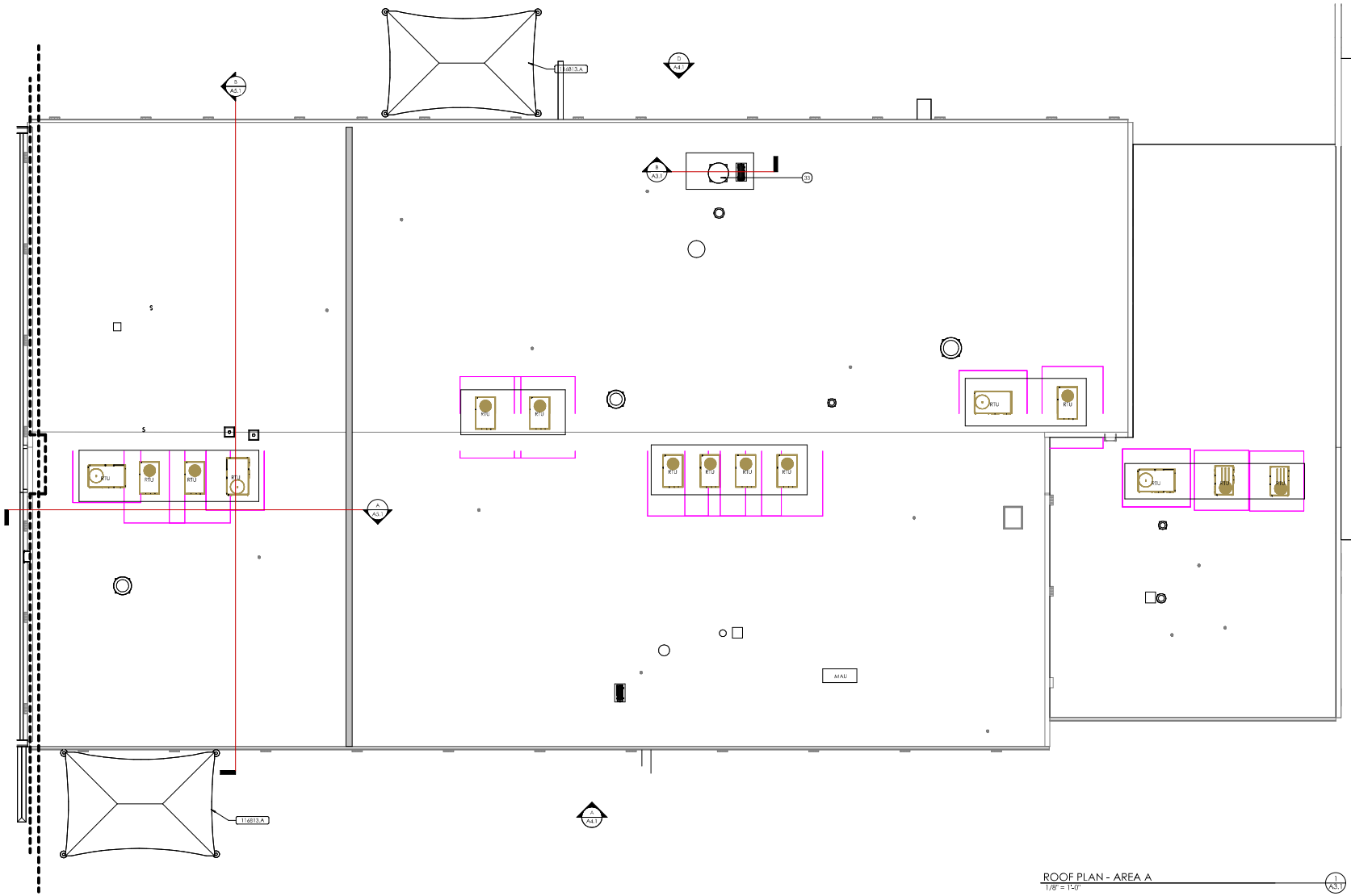


EXISTING CURB DETAIL
1" = 1'-0"



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

MATERIAL REFERENCE

T16813.A	Playground Equipment

ROOF NOTES

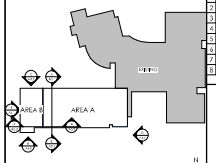
4	ROOFTOP MECHANICAL EQUIPMENT CURB. SEE DETAIL 1/A4.x.
5	CRICKET/SADDLE SLOPED TO 1/4" PER 1'-0" FOR POSITIVE DRAINAGE.
6	FASCIA. SEE DETAIL 1/A4.x.
14	EMERGENCY OVERFLOW OUTLET MOUNTED IN EXTERIOR WALL. SEE BUILDING ELEVATIONS FOR LOCATIONS. OUTLET TO BE CENTERED OVER WINDOW/DOOR OR BETWEEN OPENINGS U.N.O. SEE DETAIL 1/A4.x.
16	EXPANSION JOINT. SEE DETAIL 1/A4.x.
22	PREMANUFACTURED WALL HUNG CANOPY. SEE DETAIL 1/A4.x. 3'x5' OVER SINGLE DOORS; 3'x8' OVER DOUBLE DOORS U.N.O.
32	WALK PAD.
33	CURB CAP.

ROOF LEGEND

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

RD	ROOF DRAIN.	
ERD	EMERGENCY ROOF DRAIN.	
RL	ROOF LADDER.	
RH	ROOF HATCH.	
WP	WALKWAY PAD.	
VTR	VENT THROUGH ROOF. COORDINATE WITH MEP DRAWINGS.	
RTU	ROOF TOP UNIT. COORDINATE WITH MEP AND FOOD SERVICE EQUIPMENT.	

KEY PLAN



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ROOF PLAN - AREA A

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
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Structural Engineer:
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Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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ROOF PLAN - AREA A

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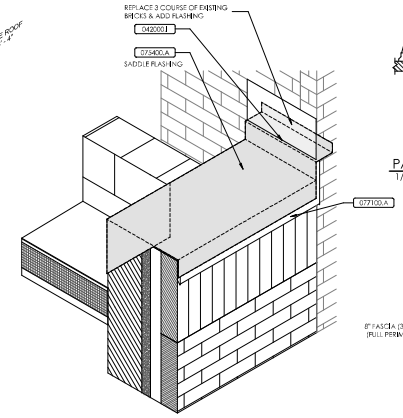
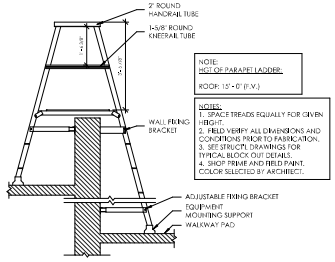


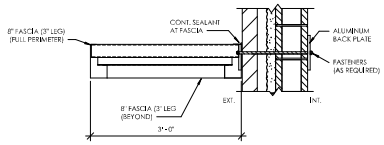
3D-saddle flashing (I / A3.2)



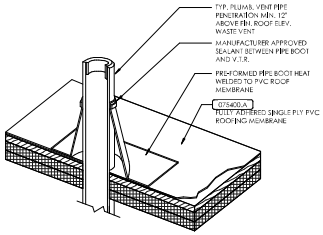
NOTE:
HGT OF PARAPET LADDER:
ROOF: 15' - 0" (F.V.)

NOTES:
1. SPACE TREADS EQUALLY FOR GIVEN HEIGHT.
2. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO FABRICATION.
3. SEE STRUCTL DRAWINGS FOR TYPICAL BLOCK OUT DETAILS.
4. SHOP PRIME AND FIELD PAINT. COLOR SELECTED BY ARCHITECT.

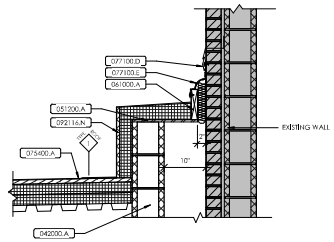
PARAPET LADDER DETAIL (L / A3.2)
1/2" = 1'-0"



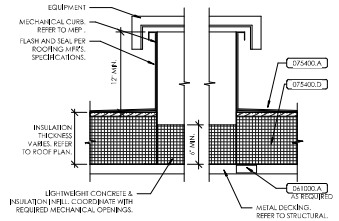
CANOPY DETAIL (K / A3.2)
N.T.S.



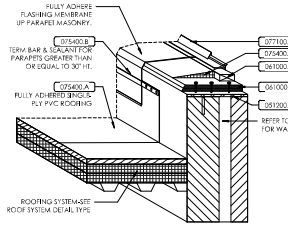
VENT THROUGH ROOF - PVC POLYISO (G / A3.2)
N.T.S.



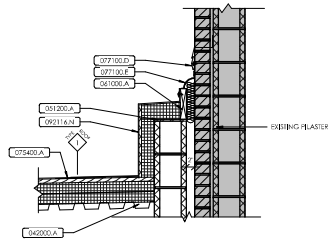
ROOF TO WALL EXP. JT. DETAIL - PVC POLYISO (F / A3.2)
N.T.S.



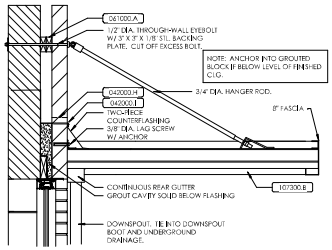
TYP. METAL CURB DETAIL (E / A3.2)
N.T.S.



PARAPET FASCIA DETAIL - PVC POLYISO (G / A3.2)
N.T.S.

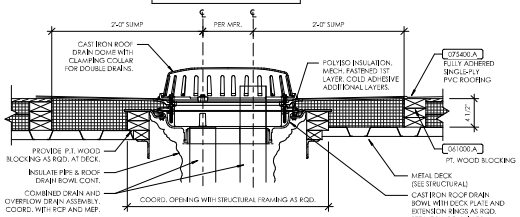


ROOF TO WALL EXP. JT. DETAIL - PVC POLYISO AT PILASTER (M / A3.2)
N.T.S.

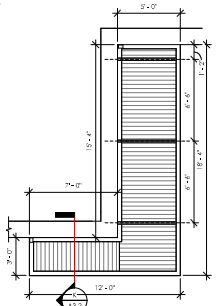


WALL-HUNG ALUM. CANOPY DETAIL - CMU (J / A3.2)
N.T.S.

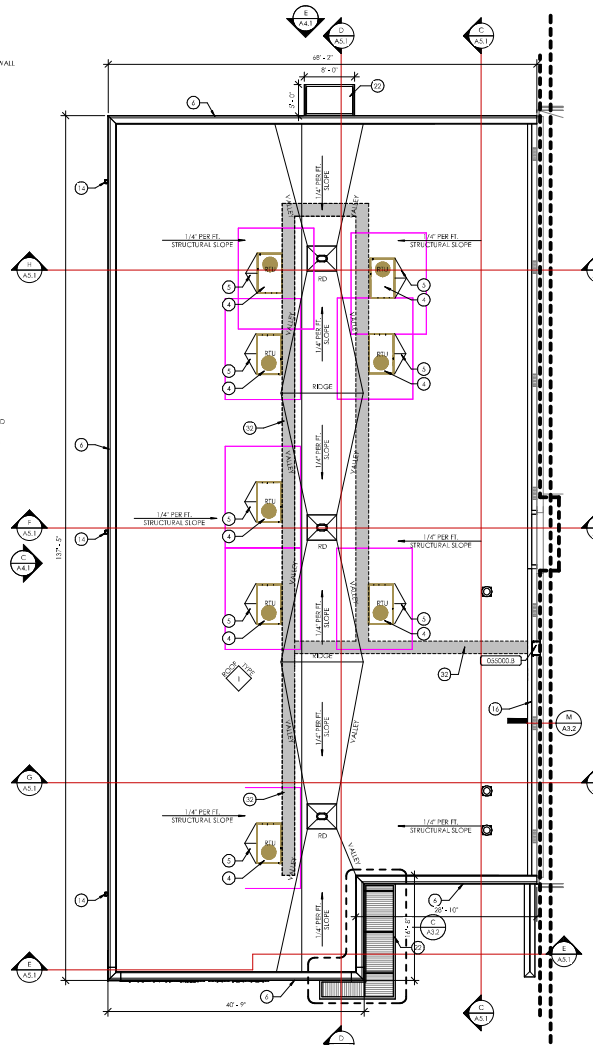
NOTE: ROOFING CONTRACTOR AND PLUMBING CONTRACTOR TO COORDINATE LOCATION OF ROOF DRAIN INSTALLATIONS.



ROOF DRAIN DOUBLE - PVC POLYISO (H / A3.2)
1 1/2" = 1'-0"

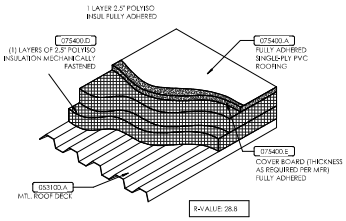


ENLARGED ENTRY CANOPY (C / A3.2)
1/4" = 1'-0"



ROOF PLAN - AREA B (A / A3.2)
1/8" = 1'-0"

MATERIAL REFERENCE	
042000.A	Concrete Masonry Unit
042000.H	Vents and Weeps
042000.I	Through Wall Flashing
051200.A	Structural Steel Member
053100.A	Roof Deck
055000.B	Roof Ladder
061000.A	Wood Blocking
061000.B	Plywood Sheathing
075400.A	Thermoplastic Membrane Roofing System
075400.B	Termination Bar
075400.C	Tapered Edge Strip
075400.D	Polyisocyanurate Insulation
075400.E	Cover Board
077100.A	Fascia
077100.D	Reglet/Counter Flashing
077100.E	Expansion Joint
092116.N	Exterior Gypsum Roof Board
107300.B	Wall Hung Metal Canopy

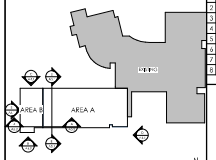


ROOF TYPE 1
SYSTEM - SINGLE-PLY PVC ROOFING SYSTEM OVER COVER BOARD. (2) LAYERS OF 2.5" RIGID POLYISO. INSULATION, AND METAL DECK. FOR GRAPHIC INFORMATION SEE DETAIL ABOVE. REFER TO THE ROOF PLAN FOR ROOF SLOPES AND EDGE CONDITIONS. REFER TO THE SPECIFICATIONS FOR WIND UPLIFT, FIRE RESISTANCE RATINGS, AND WARRANTY REQUIREMENTS.

ROOF NOTES	
4	ROOFTOP MECHANICAL EQUIPMENT CURB. SEE DETAIL x/Axx.
5	CRICKET/SADDLE SLOPED TO 1/4" PER 1'-0" FOR POSITIVE DRAINAGE.
6	FASCIA. SEE DETAIL x/Axx.
14	EMERGENCY OVERFLOW OUTLET MOUNTED IN EXTERIOR WALL. SEE BUILDING ELEVATIONS FOR LOCATIONS. OUTLET TO BE CENTERED OVER WINDOW/DOOR OR BETWEEN OPENINGS U.N.O. SEE DETAIL x/Axx.
16	EXPANSION JOINT. SEE DETAIL x/Axx.
22	PREMANUFACTURED WALL HUNG CANOPY. SEE DETAIL x/Axx. 3'x5' OVER SINGLE DOORS. 3'x8' OVER DOUBLE DOORS U.N.O.
32	WALK PAD.
53	CURB CAP.

ROOF LEGEND		
REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.		
RD	ROOF DRAIN.	
EROD	EMERGENCY ROOF DRAIN.	
RL	ROOF LADDER.	
RH	ROOF HATCH.	
WP	WALKWAY PAD.	
VTR	VENT THROUGH ROOF. COORDINATE WITH MEP DRAWINGS.	
RTU	ROOF TOP UNIT. COORDINATE WITH MEP AND FOOD SERVICE EQUIPMENT.	

KEY PLAN



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rosstarrant architects
101 Kentucky Avenue, Paducah, Kentucky 42002 p 859.254.4018

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ROOF PLAN - AREA B
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
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Structural Engineer:
BFW Engineering & Testing
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Construction Manager:
Alliance Corporation
p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	GJ, PJ
Rev'd By:	GH

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ROOF PLAN - AREA B

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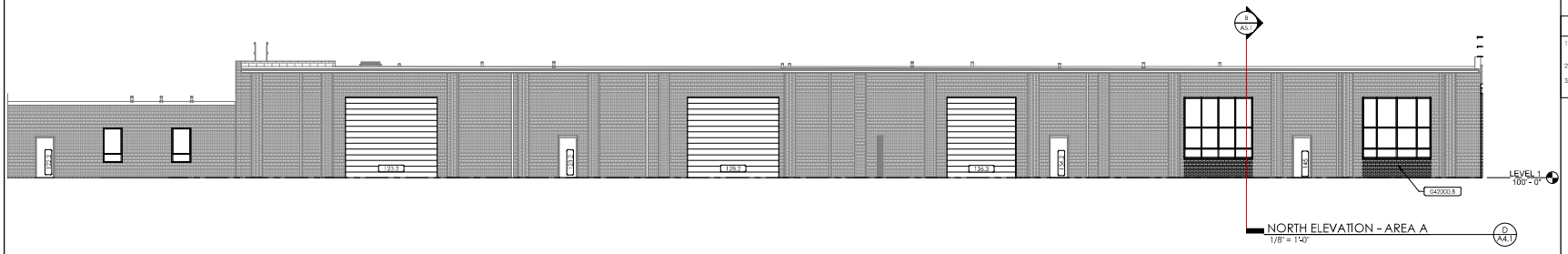
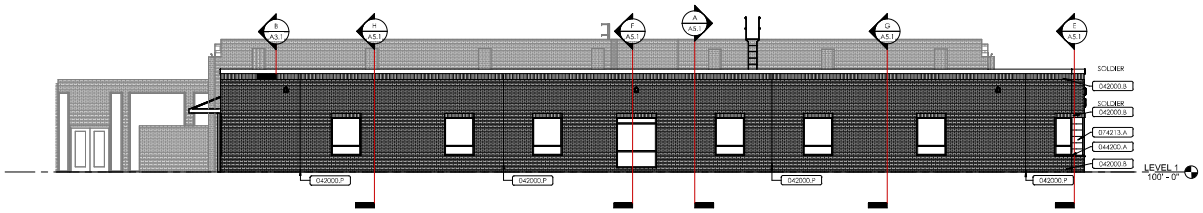
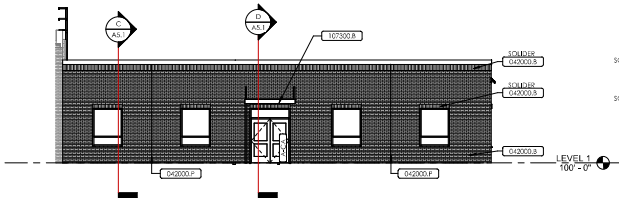


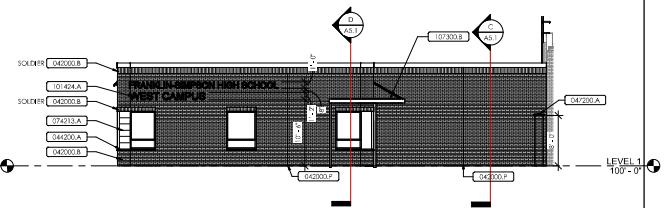
NORTH ELEVATION - AREA A
1/8" = 1'-0"
D
A4.1



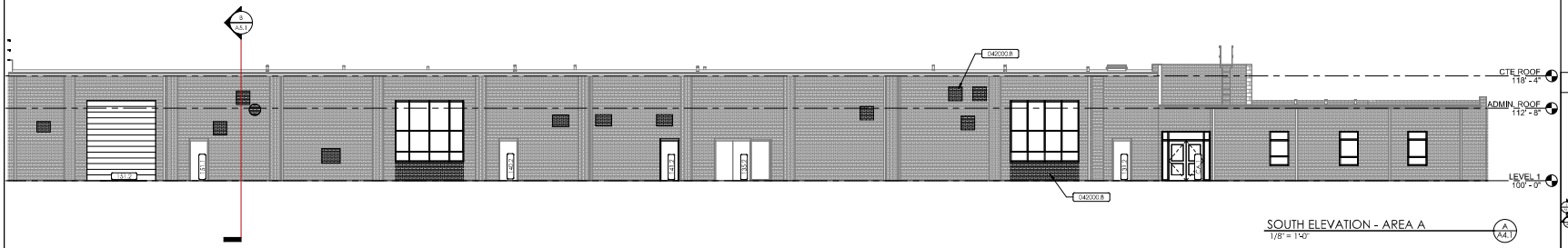
WEST ELEVATION - AREA B
1/8" = 1'-0"
C
A4.1



NORTH ELEVATION - AREA B
1/8" = 1'-0"
E
A4.1



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



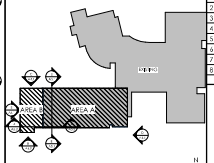
SOUTH ELEVATION - AREA A
1/8" = 1'-0"
A
A4.1

MATERIAL REFERENCE	
042000.B	Face Brick
042000.F	Control Joints
044200.A	Stone Cladding
047200.A	Cast Stone Masonry Units
074213.A	Metal Wall Panels
101424.A	Signs
107300.B	Wall Hung Metal Canopy

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



SCALE: NTS

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BUILDING ELEVATIONS

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
Marcum Engineering, LLC
Paducah, KY Office
p 270.444.9214

Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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BUILDING ELEVATIONS

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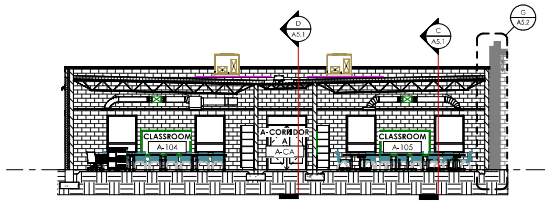
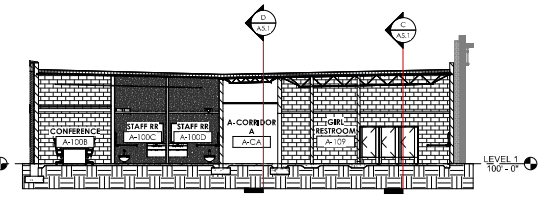
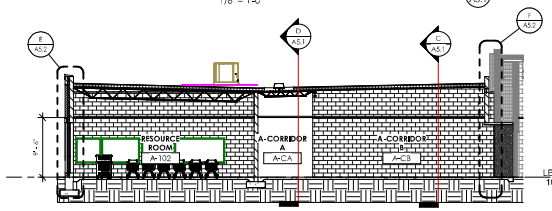


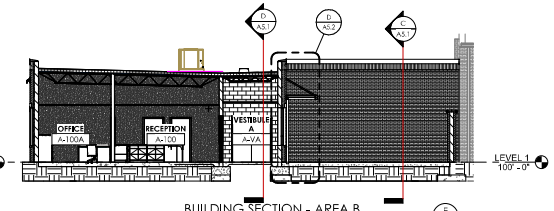
BUILDING SECTION - AREA B
1/8" = 1'-0"



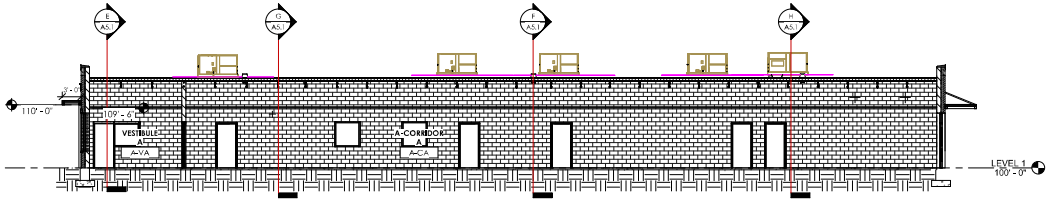
BUILDING SECTION - AREA B
1/8" = 1'-0"



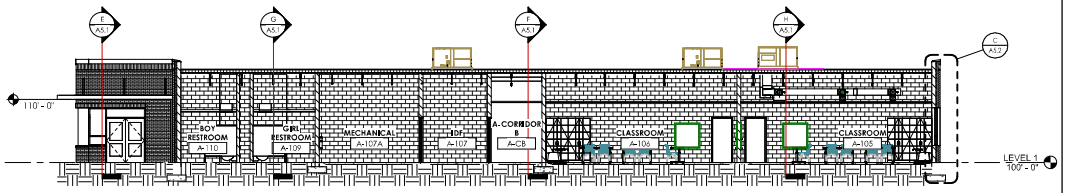
BUILDING SECTION - AREA B
1/8" = 1'-0"



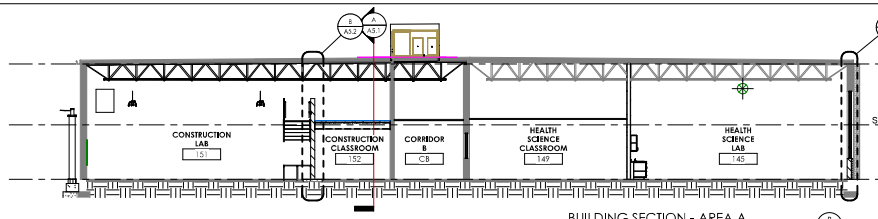
BUILDING SECTION - AREA B
1/8" = 1'-0"



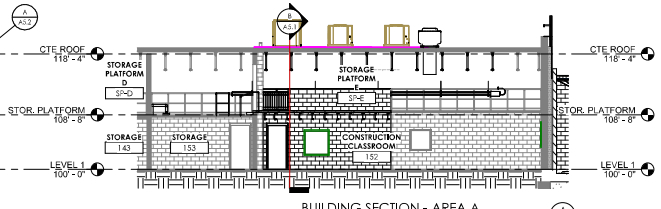
BUILDING SECTION - AREA B
1/8" = 1'-0"



BUILDING SECTION - AREA B
1/8" = 1'-0"



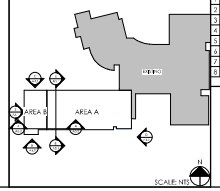
BUILDING SECTION - AREA A
1/8" = 1'-0"



BUILDING SECTION - AREA A
1/8" = 1'-0"

MATERIAL REFERENCE

KEY PLAN



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BUILDING SECTIONS
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P. Engineer:
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BFW Engineering & Testing
Paducah, KY Office
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Construction Manager:
Alliance Corporation
p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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BUILDING SECTIONS

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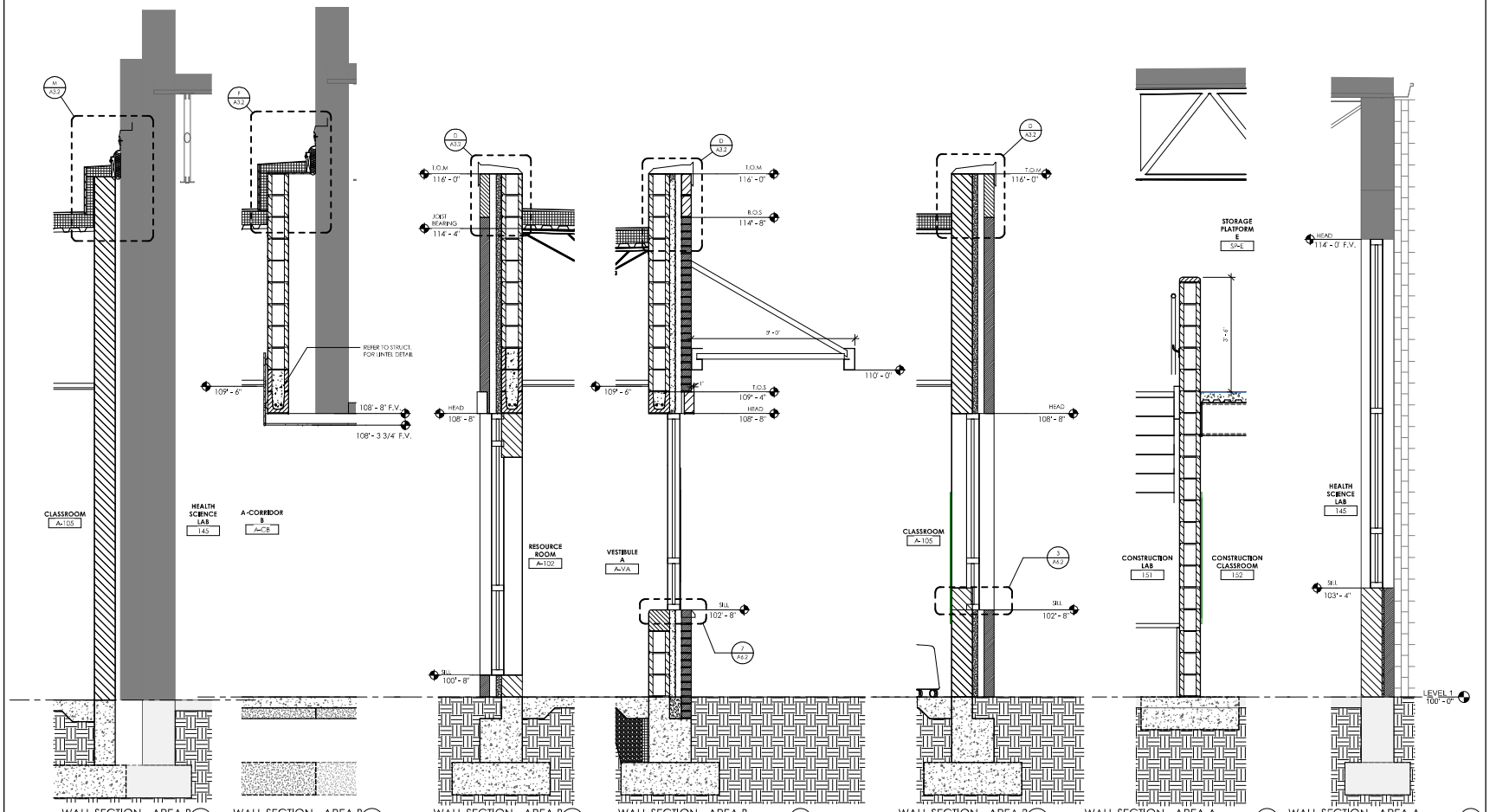
MATERIAL REFERENCE



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WALL SECTIONS

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P Engineer:
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Structural Engineer:
BFW Engineering & Testing
Paducah, KY Office
p 270.443.1995

Construction Manager:
Alliance Corporation
p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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WALL SECTIONS

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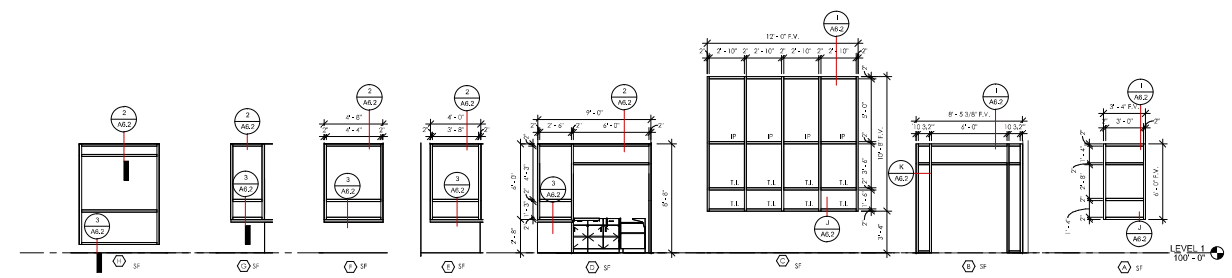
SCHEDULE OF DOORS AND FRAMES

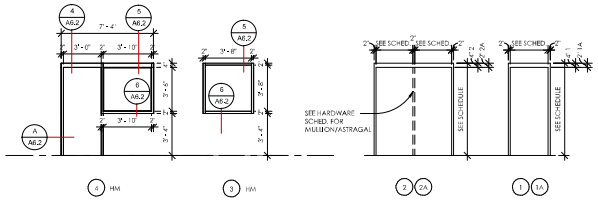
DOOR NUMBER	PAIR	DOOR W	DOOR H	DOOR THICK	DOOR MAT.	DOOR TYPE	DOOR GLASS	FRAME MAT.	FRAME TYPE	FRAME THICK	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FIRE RATING	COMMENTS
123.3		16' - 0"	14' - 0"	3"		OH								
126.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				
126.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. NEW DOOR OPENING
128.2		16' - 0"	14' - 0"	3"		OH								
129		3' - 0"	7' - 0"	1 3/4"	HM	L		-	-	5 3/4"	-	-		NEW DOOR IN EXISTING FRAME
132		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. EXISTING DOOR OPENING
134.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. NEW DOOR OPENING
136.3		12' - 0"	14' - 0"	3"		OH								
138		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. EXISTING DOOR OPENING
140.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. NEW DOOR OPENING
141.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				
142		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. EXISTING DOOR OPENING
146		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
148.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. NEW DOOR OPENING
148.2		3' - 0"	7' - 0"	1 3/4"	HM	F				8 1/4"				
149		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				F.V. NEW DOOR OPENING
149.2		3' - 0"	7' - 0"	1 3/4"	HM	F				8 1/4"				
151.2		12' - 0"	14' - 0"	3"		OH								
152.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				
A-100.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-100.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-100A		3' - 0"	7' - 0"	1 3/4"	HM	F				8 1/4"				
A-100B		3' - 0"	7' - 0"	1 3/4"	HM	F				8 1/4"				
A-100C		3' - 0"	7' - 0"	1 3/4"	HM	F				8 1/4"				
A-100D		3' - 0"	7' - 0"	1 3/4"	HM	F				8 1/4"				
A-101		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-102		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-103		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-104		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-105		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-106		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-107		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-107A		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-108		3' - 0"	7' - 0"	1 3/4"	HM	F				5 7/8"				
A-CA	X	6' - 0"	7' - 0"	1 3/4"	Metal - Aluminum	AL2				4"				
A-VA.1	X	6' - 0"	7' - 0"	1 3/4"	Aluminum	AL2				0"				
A-VA.2	X	6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"				
CA.1	X	6' - 0"	7' - 0"	1 3/4"	Metal - Aluminum	AL2				4"				

NOTE: REFER TO HARDWARE SPEC FOR EXISTING DOOR TO RECEIVE NEW HARDWARE.

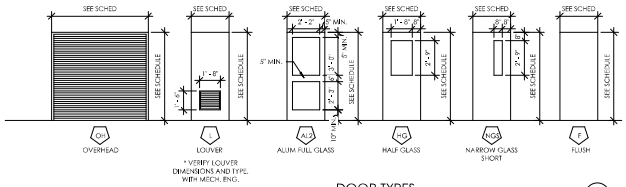
MATERIAL REFERENCE



ALUMINUM FRAME TYPES
1/4" = 1-0"



HOLLOW METAL FRAME TYPES
N.T.S.



DOOR TYPES
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.

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DOORS AND FRAME SCHEDULE

Simpson Co. CTE Improvements & Alternative School Addition

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BG 23-425

Project No: 23066
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Rev'd By: GH

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DOORS AND FRAME SCHEDULE

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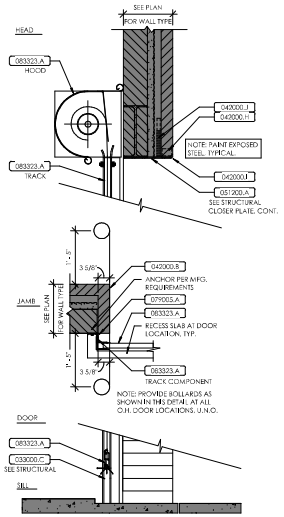
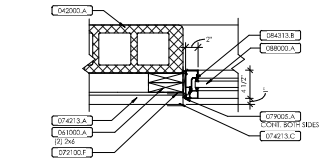
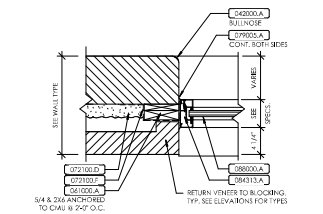


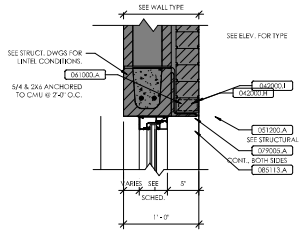
OH DOOR DETAILS1
3/4" = 1'-0"
1 / A6.2



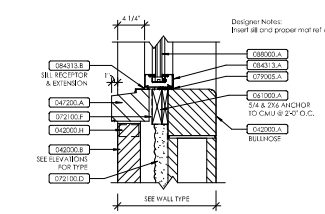
ALUM S.F. EXT JAMB - CMU MTL PNL
1 1/2" = 1'-0"
E / A6.2



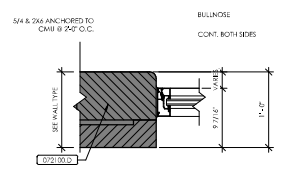
ALUM. S.F. EXT. JAMB
1 1/2" = 1'-0"
1 / A6.2



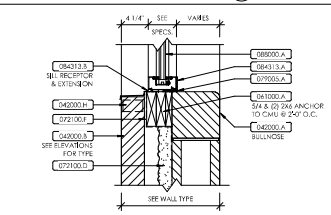
ALUMINUM HEAD DETAIL 1'-0"
1 1/2" = 1'-0"
1 / A6.2



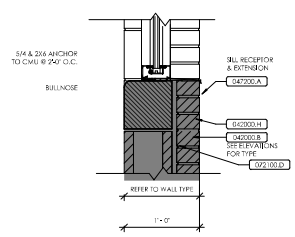
ALUM S.F. EXT SILL
1 1/2" = 1'-0"
7 / A6.2



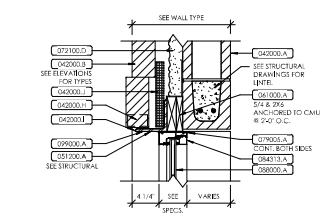
ALUMINUM WINDOW JAMB DETAIL 1'-0"
1 1/2" = 1'-0"
6 / A6.2



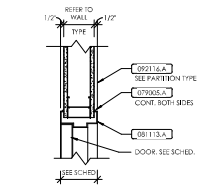
ALUM. S.F. EXT. SILL - CMU
1 1/2" = 1'-0"
3 / A6.2



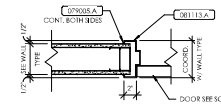
ALUMINUM SILL DETAIL 1'-0"
1 1/2" = 1'-0"
5 / A6.2



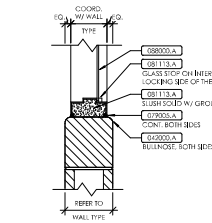
ALUM. S.F. EXT. HEAD - CMU 1
1 1/2" = 1'-0"
2 / A6.2



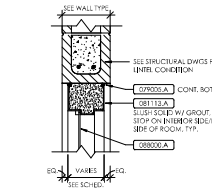
H.M. INT HEAD GYP1
1 1/2" = 1'-0"
D / A6.2



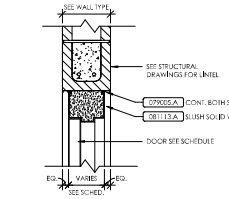
H.M. INT JAMB GYP1
1 1/2" = 1'-0"
C / A6.2



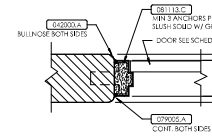
H.M. INT WINDOW SILL CMU
1 1/2" = 1'-0"
9 / A6.2



H.M. INT HEAD CMU - WINDOW
1 1/2" = 1'-0"
8 / A6.2



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



H.M. INT JAMB CMU
1 1/2" = 1'-0"
A / A6.2

MATERIAL REFERENCE	
033000.C	Slab-on-Grade
042000.A	Concrete Masonry Unit
042000.B	Face Brick
042000.H	Vents and Weeps
042000.I	Through Wall Flashing
042000.J	Mortar Deflection Material
047200.A	Cast Stone Masonry Units
051200.A	Structural Steel Member
061000.A	Wood Blocking
072100.D	Sprayed-in-Place Thermal Insulation
072100.F	Transition Membrane
074213.A	Metal Wall Panels
074213.C	Metal Wraps & Trim
079005.A	Joint Sealant
081113.A	Steel Doors & Frames
081113.C	Steel Frame
083323.A	Overhead Coiling Door
084313.A	Aluminum Storefront Window
084313.B	Aluminum Storefront Framing
085113.A	Aluminum Window
088000.A	Glazing
092116.A	Gypsum Board Assemblies
099000.A	Paint

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.

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DOORS AND WINDOW DETAILS

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

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Structural Engineer:
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Construction Manager:
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p 270.451.8848

BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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DOORS AND WINDOW DETAILS

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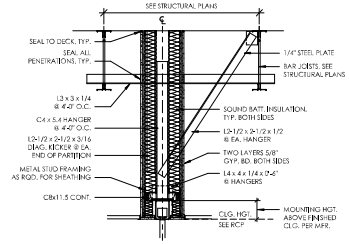
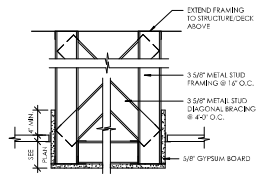
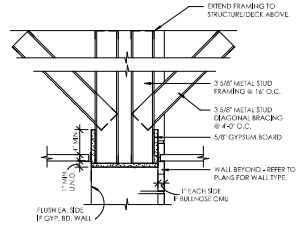


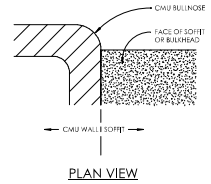
TYPICAL PARTITION TRACK DETAIL (E / A7.1)
3/4" = 1'-0"



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

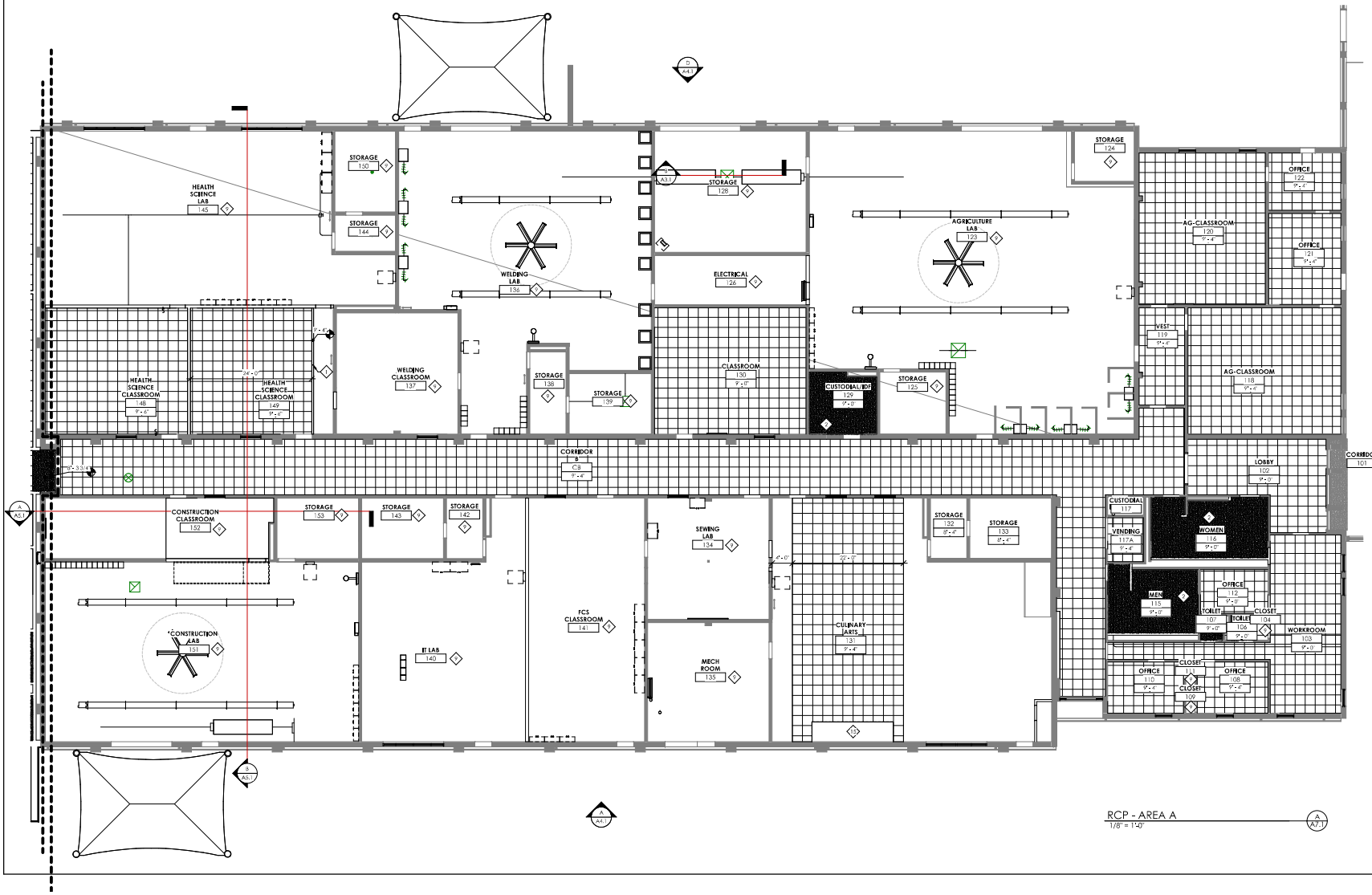


TYPICAL BULKHEAD DETAIL (C / A7.1)
1 1/2" = 1'-0"



PLAN VIEW

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



RCP - AREA A (A / A7.1)
1/8" = 1'-0"

MATERIAL REFERENCE

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) FED. 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	GYPSUM BOARD SOFFIT/BULKHEAD. REFER TO TYPICAL DETAILS. (092116)
2	GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
7	OPEN TO ABOVE: EXPOSED STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.
15	KITCHEN EQUIPMENT PENETRATIONS. REFER TO FOOD SERVICE DRAWINGS FOR MORE INFORMATION.

RCP LEGEND

ROOM NAME / ROOM NUMBER / CLG. HGT.	ROOM TAG W/ CEILING HEIGHT
9'-0"	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
	RECESSED LIGHT FIXTURE

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REFLECTED CEILING PLAN - AREA A
Simpson Co. CTE Improvements & Alternative School Addition
FOR:
Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P Engineer:
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Construction Manager:
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BG 23-425

Project No:	23066
Drawn By:	HJ, CJ
Rev'd By:	GH

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REFLECTED CEILING PLAN - AREA A
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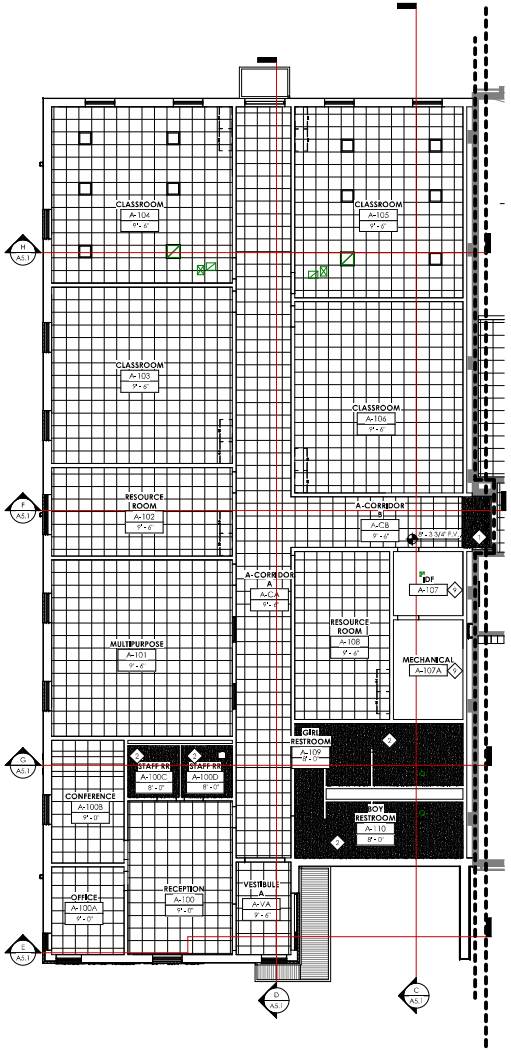

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REFLECTED CEILING PLAN - AREA B

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

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Project No:	23066
Drawn By:	HJ, CJ
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REFLECTED CEILING PLAN - AREA B

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PRELIMINARY PLUMBING FIXTURE SCHEDULE

PREL. TAG	TYPE	MOUNTING (FLOOR/WALL)	AGE GROUP (3-4, 5-8, 9-12, 13 & UP)	ADA (YES/NO)	HEIGHT (INCHES)	ACTUATION TYPE (MANUAL/AUTO)	ACTUATION STYLE	NOTES
WC-1	WATER CLOSET	FLOOR	13 & UP	Y	17	AUTOMATIC	INFRARED SENSOR	1.6 GPF
WC-2	WATER CLOSET	FLOOR	13 & UP	N	15	AUTOMATIC	INFRARED SENSOR	1.6 GPF
UR-1	URINAL	WALL	13 & UP	Y	17	AUTOMATIC	INFRARED SENSOR	1.0 GPF
UR-2	URINAL	WALL	13 & UP	N	24	AUTOMATIC	INFRARED SENSOR	1.0 GPF
LAV-1	LAVATORY	LAY-IN SINGLE COMPARTMENT	13 & UP	Y	31	AUTOMATIC	INFRARED SENSOR	SINGLE USER
LAV-2	LAVATORY	LAY-IN SINGLE COMPARTMENT	13 & UP	N	34	AUTOMATIC	INFRARED SENSOR	SINGLE USER
LAV-3	LAVATORY	WALL	13 & UP	Y	31	MANUAL	LEVER HANDLES	GOOSENECK SPOUT
LAV-4	LAVATORY	WALL	13 & UP	Y	31	AUTOMATIC	INFRARED SENSOR	SINGLE USER
LAV-5	HAND WASHING STATION	FLOOR	13 & UP	Y	31	AUTOMATIC	INFRARED SENSOR	THREE USERS
SK-1	SCRUB SINK	WALL	13 & UP	Y	-	MANUAL	LEVER HANDLES	GOOSENECK SPOUT
SK-2	STAINLESS STEEL SINK	LAY-IN SINGLE COMPARTMENT	13 & UP	Y	-	MANUAL	LEVER HANDLES	GOOSENECK SPOUT
MB-1	MOP BASIN	FLOOR	-	-	-	MANUAL	LEVER HANDLES	24x24 WITH WALL FAUCET
EWC-1	ELECTRIC WATER COOLER	WALL	13 & UP	Y	-	AUTOMATIC	ELECTRONIC SENSOR	HI-LO WITH BOTTLE FILLER
EW-1	EYE/FACE WASH	FLOOR	-	-	-	MANUAL	PUSH LEVER	DOUBLE SPRAY OUTLET

MECHANICAL CONSTRUCTION TAG NOTES

(APPLIES TO THIS DRAWING ONLY)

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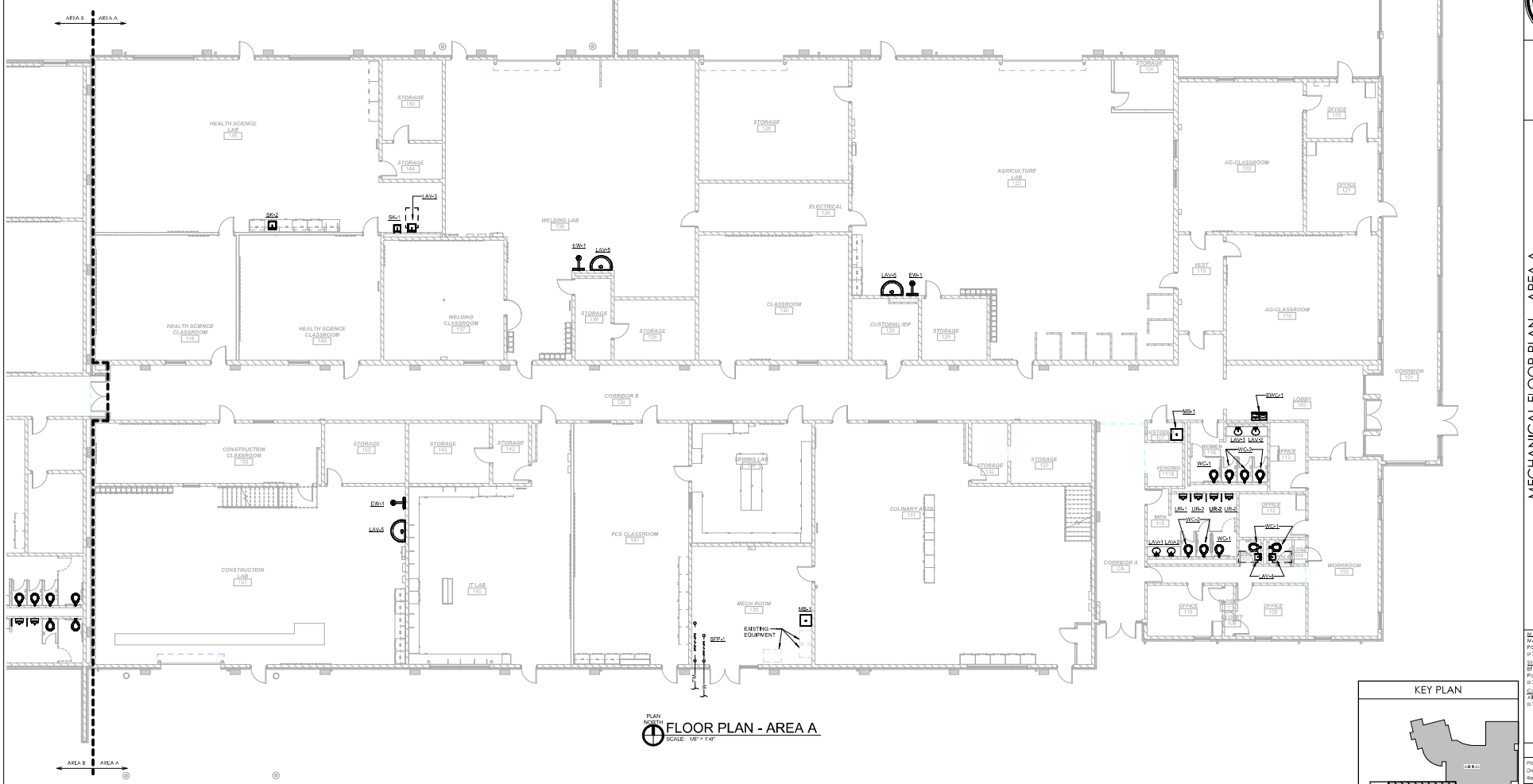
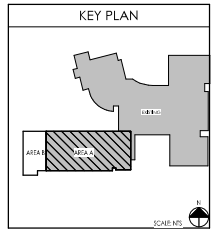


PLAN NORTH

FLOOR PLAN - AREA A

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

KEY PLAN



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MECHANICAL FLOOR PLAN - AREA A

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

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BG

Project No:	24519
Drawn By:	G
Rev'd By:	GW/JW

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MECHANICAL FLOOR PLAN - AREA A

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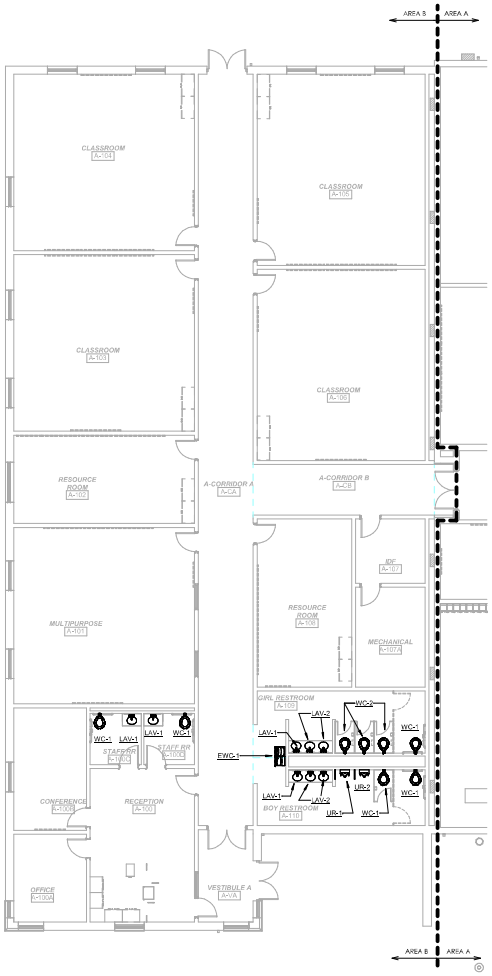
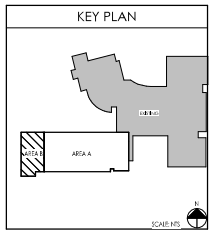


PLAN NORTH

FLOOR PLAN - AREA B

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

KEY PLAN



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MECHANICAL FLOOR PLAN - AREA B

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

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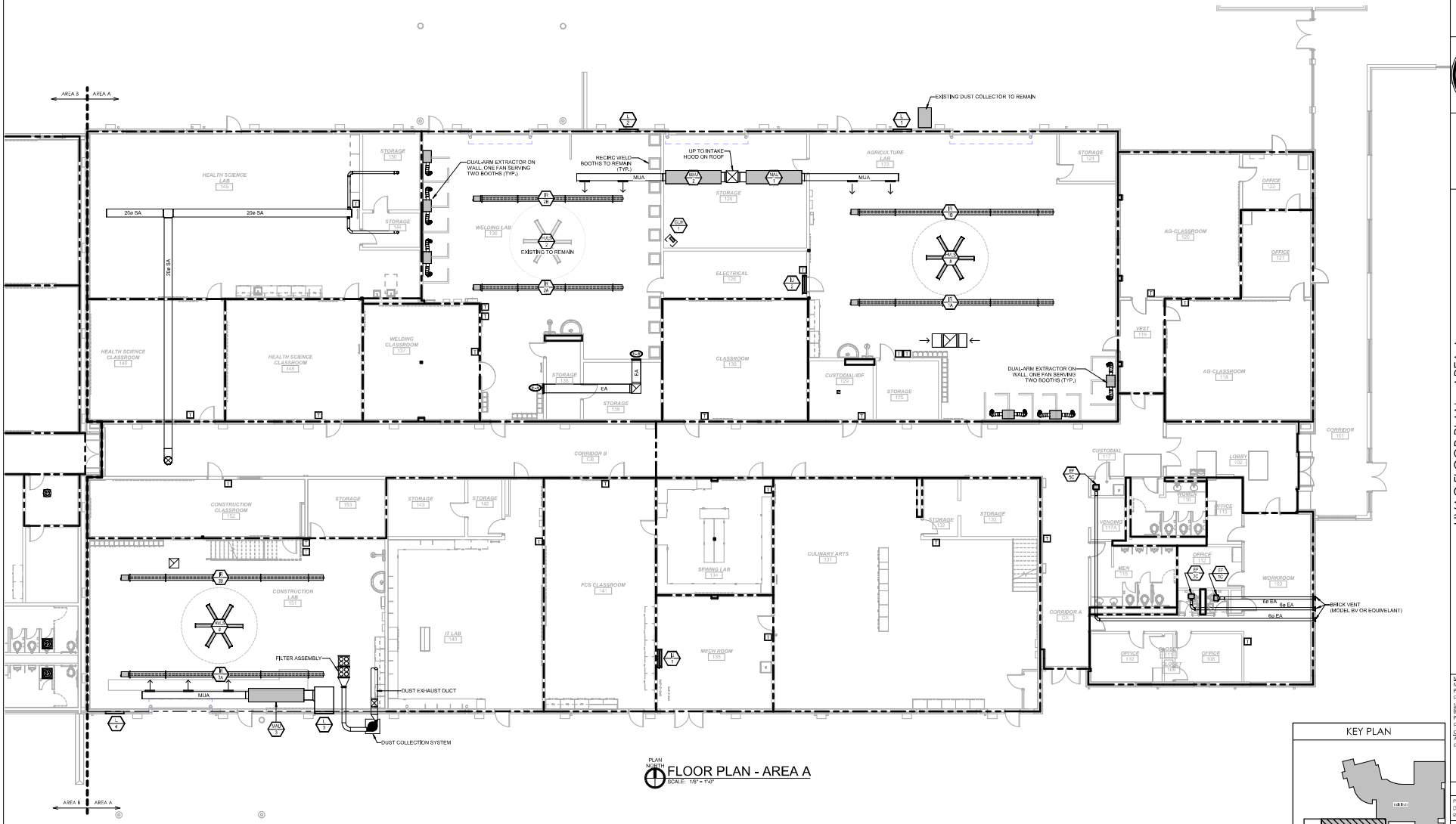
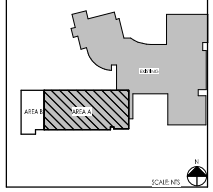


PLAN NORTH

FLOOR PLAN - AREA A

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

KEY PLAN



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HVAC FLOOR PLAN - AREA A

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

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Project No:	24619
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HVAC FLOOR PLAN - AREA A

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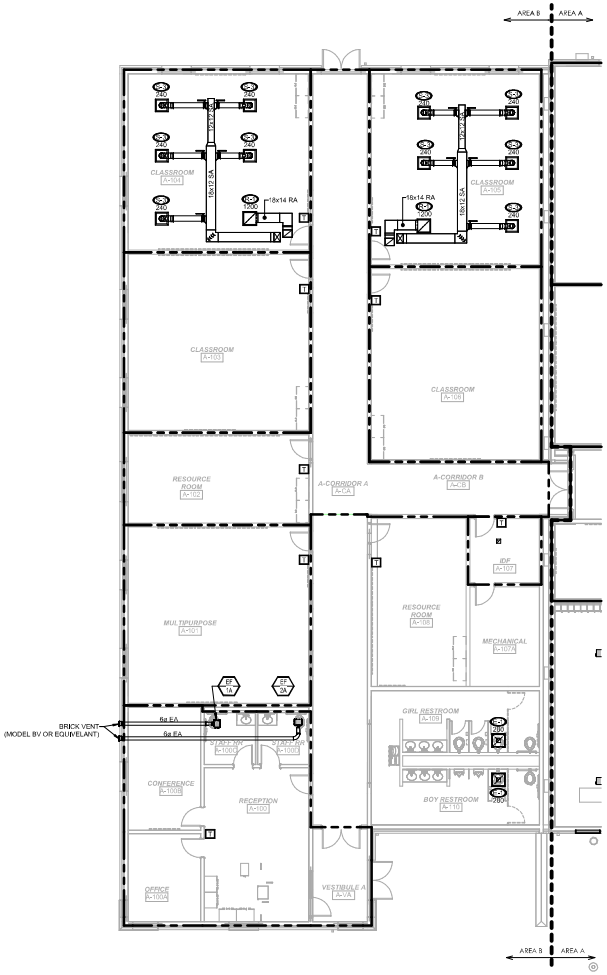
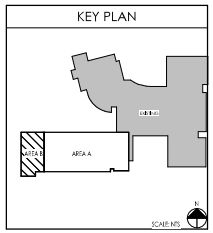


PLAN NORTH

FLOOR PLAN - AREA B

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

KEY PLAN



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HVAC FLOOR PLAN - AREA B

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

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ELECTRICAL CONSTRUCTION TAG NOTES

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MECHANICAL CONSTRUCTION TAG NOTES

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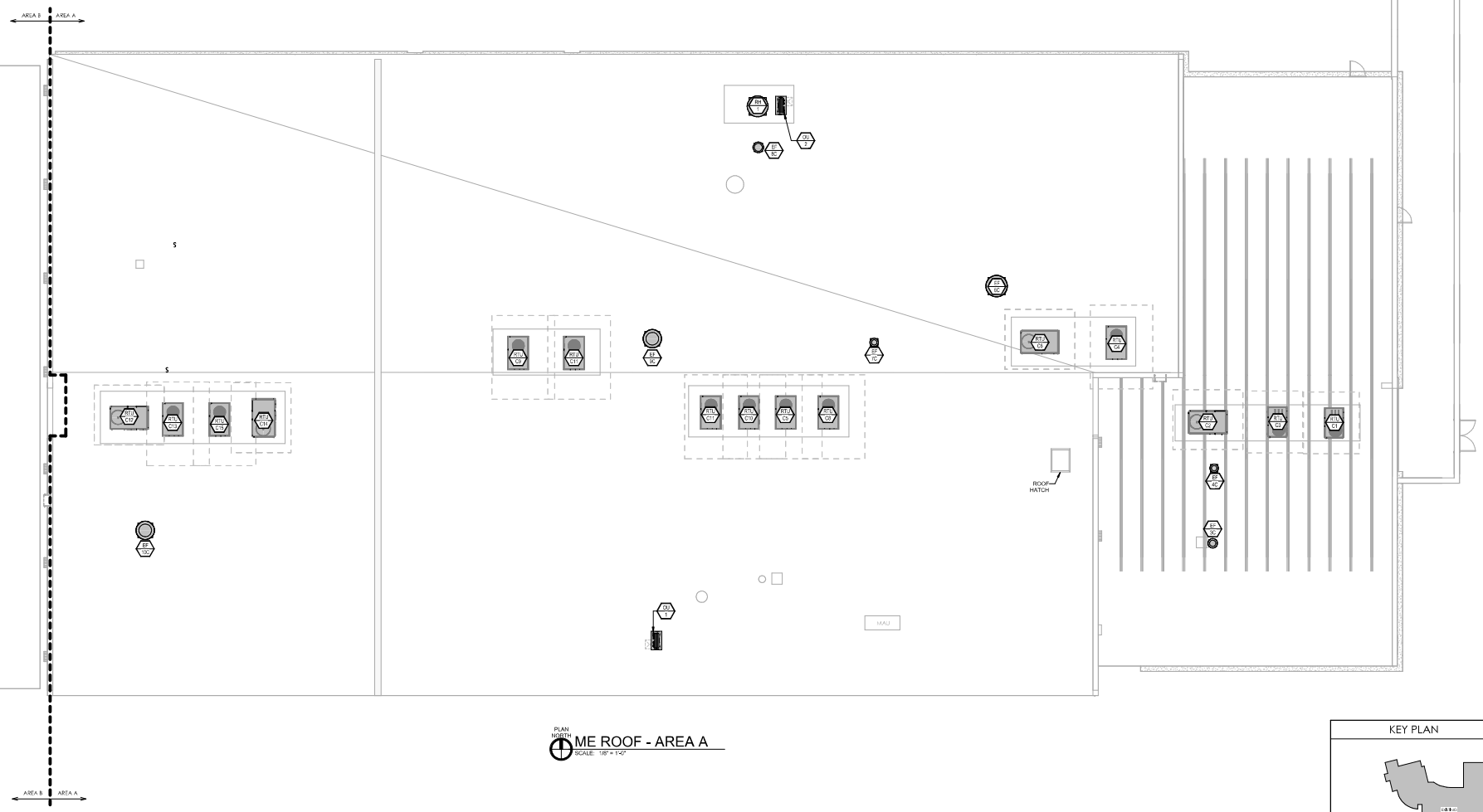
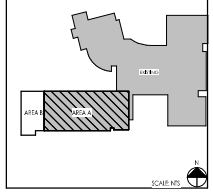


PLAN NORTH

ME ROOF - AREA A

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

KEY PLAN



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MECHANICAL - ELECTRICAL ROOF PLAN - AREA A

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

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MECHANICAL - ELECTRICAL ROOF PLAN - AREA A

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ELECTRICAL CONSTRUCTION TAG NOTES

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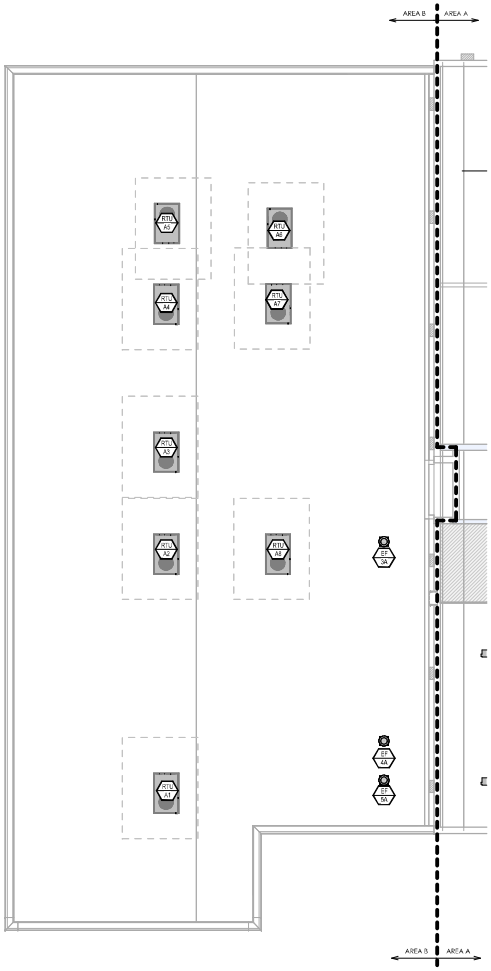
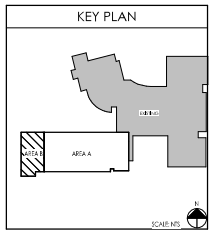


PLAN NORTH

ROOF PLAN - AREA B

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

KEY PLAN



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MECHANICAL - ELECTRICAL ROOF PLAN - AREA B

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REVISIONS		
#	DATE	DESCRIPTION

ELECTRICAL CONSTRUCTION TAG NOTES

(1) (APPLIES TO THIS DRAWING ONLY)

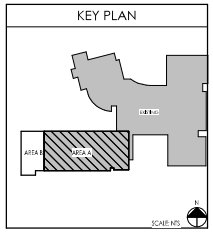
1	asdfasdfasdf
2	

PLAN NORTH

FLOOR PLAN - AREA A

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

KEY PLAN



SCALE: NTS

MARCUM ENGINEERING, LLC
500 SOUTH 17TH STREET,
PADUCAH, KENTUCKY 42002
PHONE - 270.444.9274
WWW.MARCUMENGINEERING.NET

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rosstarrant architects
101 4th Doughty Avenue, Irvington, Kentucky 40002 p.859.254.4018

NOT FOR CONSTRUCTION
DDP
07/03/24

LIGHTING FLOOR PLAN - AREA A

Simpson Co. CTE Improvements & Alternative School Addition

FOR:

Simpson County Board of Education
400 S College St, Franklin, KY 42134

M.E.P Engineer:
Marcum Engineering, LLC
Paducah, KY Office
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Structural Engineer:
BFW Engineering & Testing
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Construction Manager:
Alliance Corporation
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BG

Project No:	24619
Drawn By:	Author
Rev'd By:	Checker

SHEET RELEASE

1	
2	
3	
4	
5	
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Design Development

E1.1

LIGHTING FLOOR PLAN - AREA A

DATE ISSUED: