Lebanon Elementary School
Renovation & Addition

Lebanon, Kentucky

for the

Marion County Board of Education

755 E Main Street Lebanon, Kentucky 40033
p 270.692.3721

BG # 22-053

RTA # 2139

rosstarrant architects

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

enhancing education through great design

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

M.E.P. ENGINEER:
CMTA, INC.
220 Lexington Green Cirlce, Suite 600 Lexington, Kentucky 40504
p 859.253.0892

FOOD SERVICE CONSULTANT:
JOBY SMITH AND ASSOCIATES, INC.
8111 LeSourdsville-Westchester Road Westchester, Ohio 45069
p 513.778.7970

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

PROJECT SITE ADDRESS:

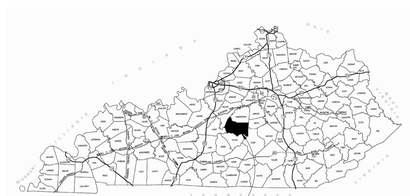
420 West Main Street
Lebanon, Kentucky
40033

VICINITY MAP



SITE

PROJECT VICINITY MAP



MARION COUNTY

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NOT FOR CONSTRUCTION

COVER SHEET

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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BG# 22-053

Project No: 2139
Drawn By: SMS
Rev'd By: RB

SHEET RELEASE

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DESIGN DEVELOPMENT

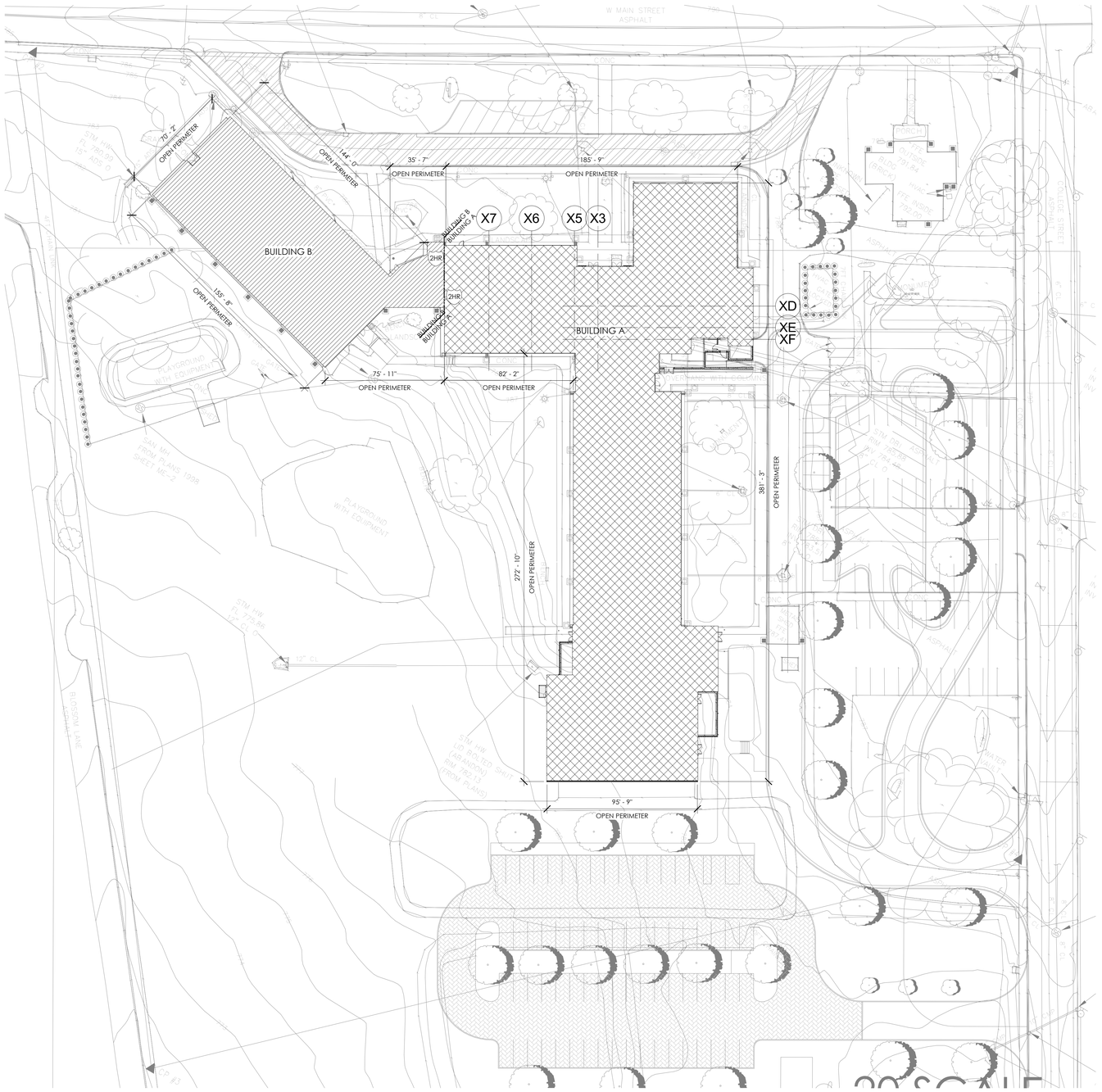
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COVER SHEET

DATE ISSUED:
MAY 4, 2022

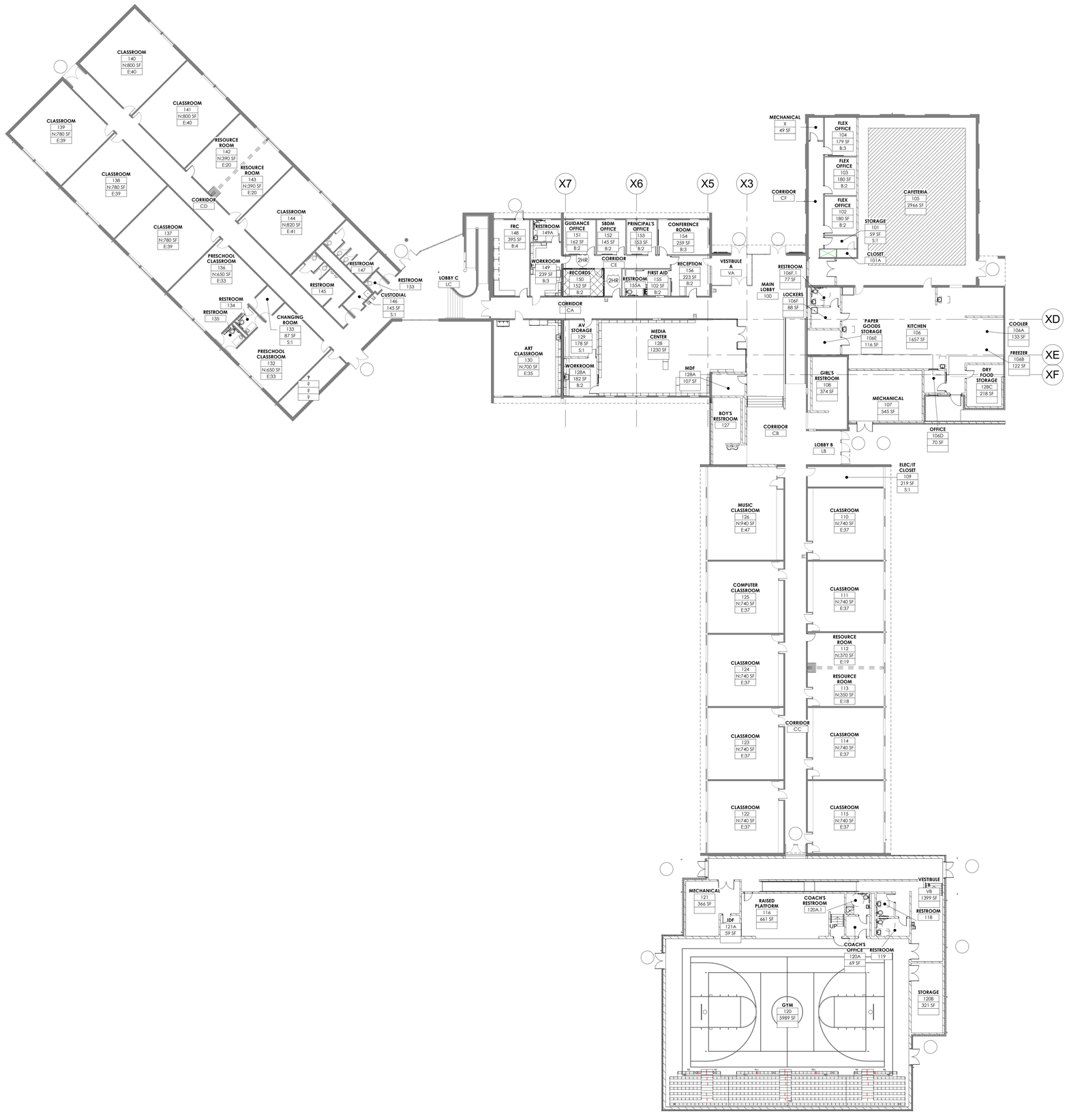
REVISIONS

#	DATE	DESCRIPTION


W MAIN STREET
ASPHALT
BUILDING B
BUILDING A
BUILDING B
BUILDING A
2HR
2HR
X7
X6
X5
X3
XD
XE
XF
70' - 2"
OPEN PERIMETER
144' - 0"
OPEN PERIMETER
35' - 7"
OPEN PERIMETER
185' - 9"
OPEN PERIMETER
155' - 8"
OPEN PERIMETER
75' - 11"
OPEN PERIMETER
82' - 2"
OPEN PERIMETER
272' - 10"
OPEN PERIMETER
381' - 3"
OPEN PERIMETER
95' - 9"
OPEN PERIMETER
PLAYGROUND WITH EQUIPMENT
PLAYGROUND WITH EQUIPMENT
SAN MH PLANS 1998 FROM SHEET ME-2
STM HW FLR 775.95 RIM 785.0
STM HW FLR 775.75 RIM 785.0
12" CL
STM HW (ID UNITED) (SB ANON) RIM 786.13 (FROM PLANS)
BLOSSOM LANE
CONC
ASPHALT
WATER
CONC
ASPHALT
COLLEGE STREET
CIRCA 1930 WHITE BRICK BUILDING (BRICK) FF 806.0
FF 806.0
FF 806.0

REVISIONS

#	DATE	DESCRIPTION



CODE ANALYSIS FLOOR PLAN

1/16" = 1'-0"

A G1.1

EGRESS PLAN - SYMBOL KEY

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.

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

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 — #X
FLOOR — EGRESS COMPONENT TAG

EGRESS PATH

TOTAL UNPROTECTED EXIT ACCESS TRAVEL DISTANCE

OPEN PERIMETER FRONTAGE

DEMARCATION LINE BETWEEN EXISTING & NEW CONSTRUCTION

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

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

EGRESS COMPONENT TABLE

BUILDING A-SECOND FLOOR:

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

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

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CODE ANALYSIS FLOOR PLAN

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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220 Lexington Green Circle, Suite 600
p 859.253.0892

Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
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Rev'd By: RB / MN

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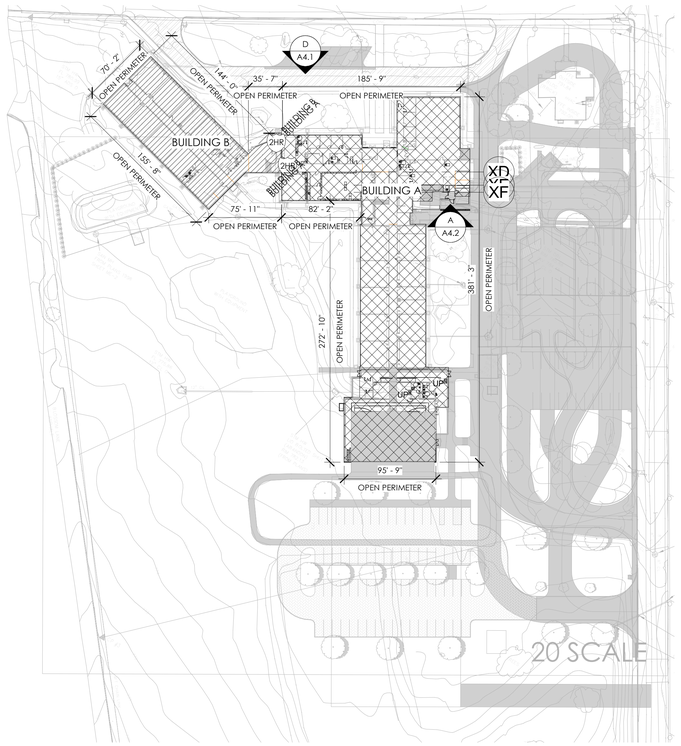
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CODE ANALYSIS FLOOR PLAN

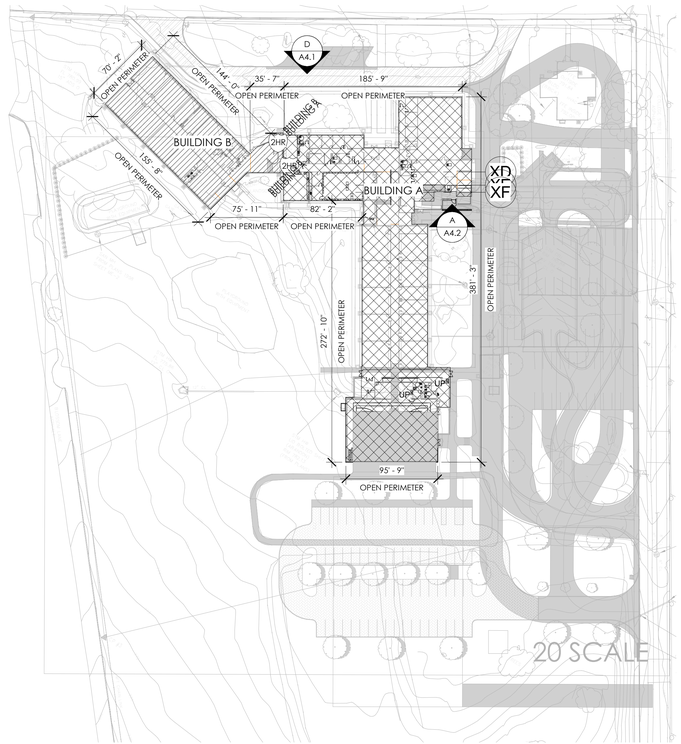
DATE ISSUED:
MAY 4, 2022

REVISIONS

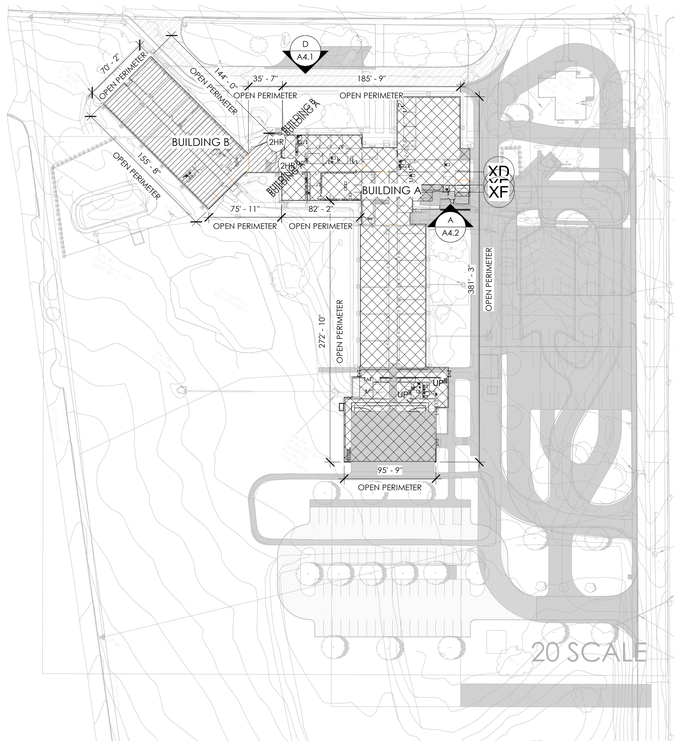
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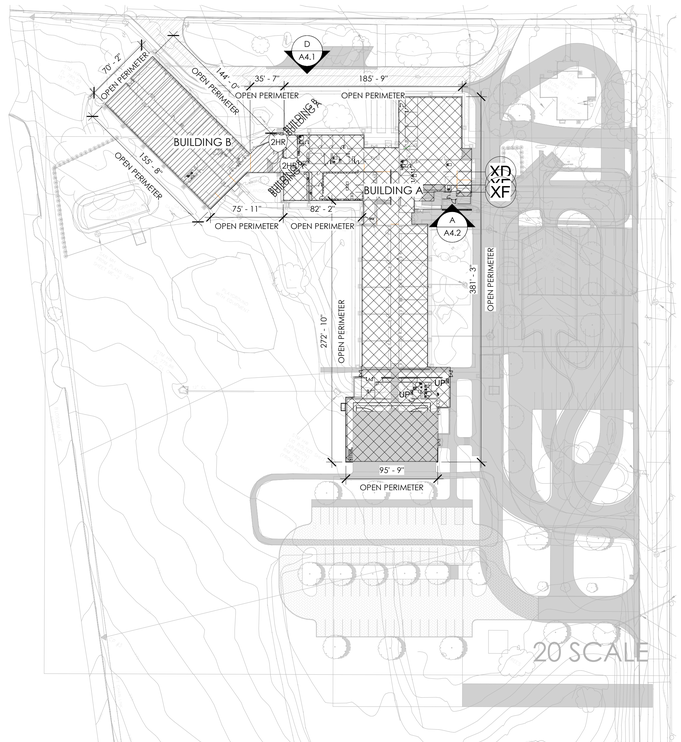
STAGING PLAN
1/64" = 1'-0"
C
G2.0



STAGING PLAN
1/64" = 1'-0"
B
G2.0

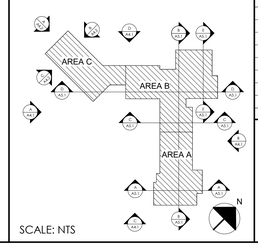


STAGING PLAN
1/64" = 1'-0"
D
G2.0



STAGING PLAN
1/64" = 1'-0"
A
G2.0

KEY PLAN



SCALE: NTS

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

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PHASING PLAN

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

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Rev'd By:	RB / MN

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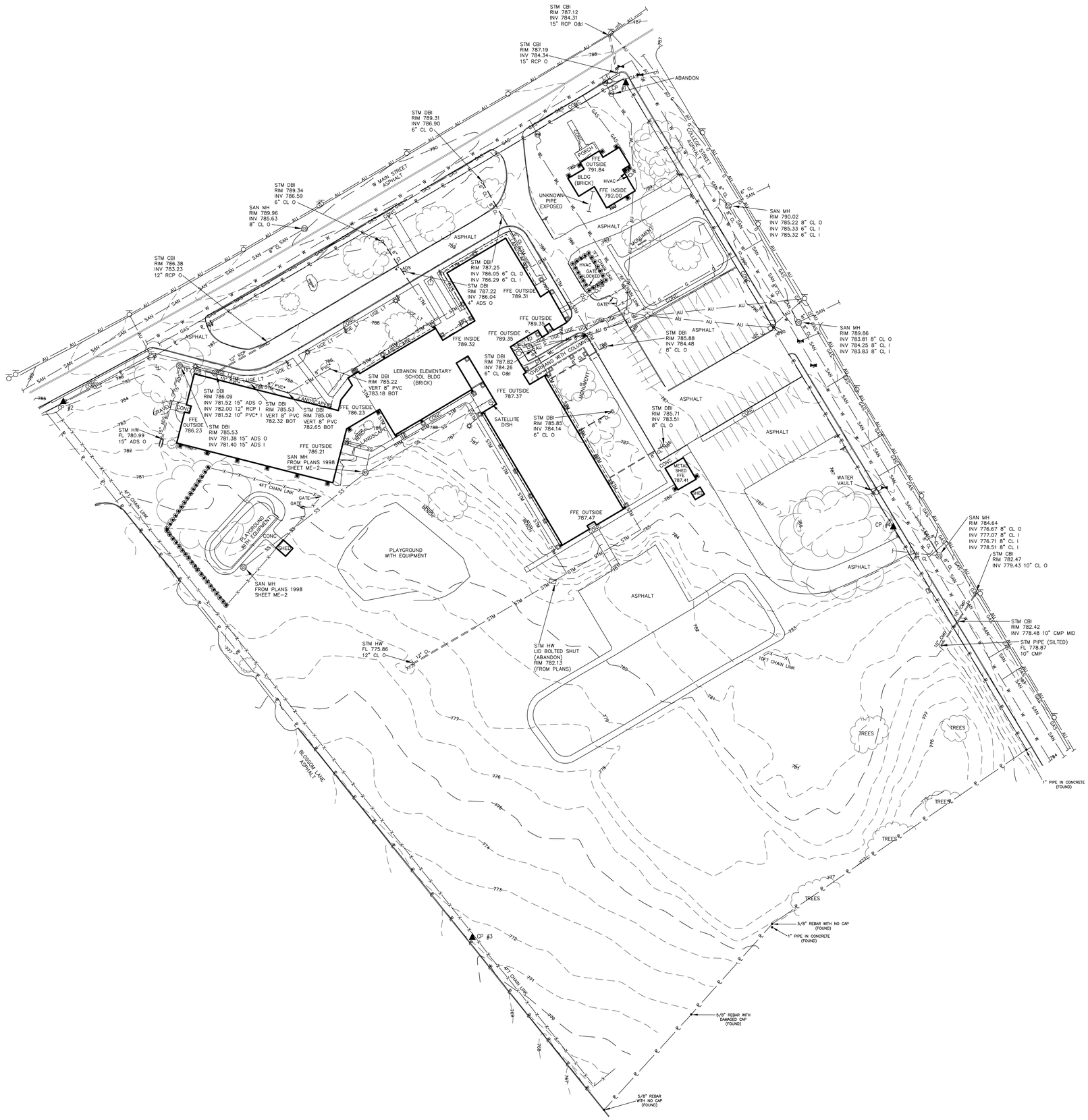
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DESIGN DEVELOPMENT

G2.0

PHASING PLAN

DATE ISSUED:
MAY 4, 2022



SURVEY CONTROL POINTS

CP #	Northing	Easting	Elevation	Description
1	2089955.61	1783038.73	788.28	MAG NAIL IN SW
2	2089647.34	1782495.11	785.69	MAG NAIL IN SW
3	2089129.58	1782890.33	771.33	IRON PIN SET
4	2089526.39	1783297.17	786.18	MAG NAIL IN SW

SURVEY NOTES

THE PURPOSE OF THIS SURVEY IS TO PROVIDE SITE IMPROVEMENT & TOPOGRAPHIC INFORMATION ONLY. THIS DOCUMENT DOES NOT REPRESENT A BOUNDARY SURVEY, IS NOT INTENDED FOR RECORDING OR LAND TRANSFER AND IS NOT INTENDED TO COMPLY WITH 201 KAR 18:150.

THE NORTH MERIDIAN & VERTICAL DATUM SHOWN HEREON ARE BASED ON GPS OBSERVATIONS MADE USING A TRIMBLE R8 NETWORK RECEIVER USING C.O.R.S. STATION "VRS". THE HORIZONTAL DATUM IS KENTUCKY STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83) GRID NORTH. THE VERTICAL DATUM IS NAVD 88 (GEOID12B). THIS SURVEY CONTROL WAS ESTABLISHED ON SEPTEMBER 21, 2021.

THIS SURVEY WAS CONDUCTED BY THE METHOD OF RANDOM TRAVERSE WITH SIDESHOTS . THE PRECISION RATIO OF THE TRAVERSE WAS 1:153,669 AND WAS NOT ADJUSTED.

THIS PROPERTY IS SUBJECT TO ALL EASEMENTS AND RIGHTS OF WAY BOTH RECORDED AND UNRECORDED.

DATE OF SURVEY: SEPTEMBER 29, 2021

DISCLAIMERS

THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A TITLE ABSTRACT. NO LIABILITY IS ASSUMED BY THE SURVEYOR FOR ANY LOSS THAT MAY BE DISCOVERED BY AN ABSTRACT OR TITLE SEARCH.

THE SUBSURFACE UTILITY LOCATIONS AND DESCRIPTIONS SHOWN HEREON WERE DETERMINED TO THE EXTENT POSSIBLE BY SURFACE OBSERVATIONS, LOCATION MARKINGS PROVIDED BY THE UNDERGROUND DETECTIVE (TUD) AND LOCATION MARKINGS PLACED BY KY 811 LOCATION SERVICE (TICKET NUMBER 2109151253, DATE 09/15/2021). LINES SHOWN MAY VARY FROM THE LOCATIONS OUTLINED AND ADDITIONAL UTILITIES AND OR EASEMENTS MAY EXIST. NO LIABILITY IS ASSUMED BY THE SURVEYOR FOR ANY LOSS OR DAMAGE THAT MAY OCCUR DURING DESIGN OR CONSTRUCTION.

LAND SURVEYORS CERTIFICATION

I DO HEREBY CERTIFY THAT THIS EXHIBIT WAS PREPARED UNDER MY DIRECTION AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SHOWN HEREON IS TRUE AND ACCURATE.

11/03/2021

ALAN W. LEAKE, P.L.S. #3032 — DATE

LEGEND

- APPROXIMATE PROPERTY LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- STORM SEWER (FROM SURFACE OBSERVATION)
- STORM SEWER (FROM 1997 PLANS ONLY)
- SANITARY LINE (FROM SURFACE OBSERVATION)
- SANITARY LINE (FROM 1997 PLANS)
- UNDERGROUND ELECTRIC LINE (FROM TUD)
- UNDERGROUND ELECTRIC LINE LOW VOLTAGE (FROM TUD)
- WATERLINE (FROM TUD)
- WATERLINE (FROM KY 811)
- HVAC COOLING LINES (FROM TUD)
- GAS LINE (FROM TUD)
- GAS LINE (FROM KY 811)
- AERIAL UTILITY (FROM SURFACE OBSERVATIONS ONLY)
- FENCE LINE
- GRAVEL EDGE
- BUILDING OVERHANG
- LANDSCAPE AREA
- TREE LINE
- STORM SEWER DROP INLET
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- GUY WIRE
- CONTROL POINT
- SANITARY MANHOLE
- LIGHT POLE
- UTILITY POLE
- CLEANOUT (STORM OR SANITARY)
- TREE (NOT TO SCALE)
- SIGN
- BOLLARD (NOT TO SCALE)
- FLAG POLE
- DOWNSPOUT TO STORM DRAIN
- DOWNSPOUT TO GRADE
- GAS METER
- PROPERTY MONUMENT FOUND AS NOTED
- DESCRIPTION FROM 1998 PLANS ONLY

N
KY SPCS GRID NORTH

0 40 80 120
GRAPHIC SCALE (IN FEET)

2020 LIBERTY ROAD, SUITE 105
LEXINGTON, KY 40505
(859) 293-5518

CLIENT:
MARION COUNTY SCHOOL BOARD
755 E MAIN ST.
LEBANON, KY 40033

NO.	DATE	DESCRIPTION	BY	CHK	APV

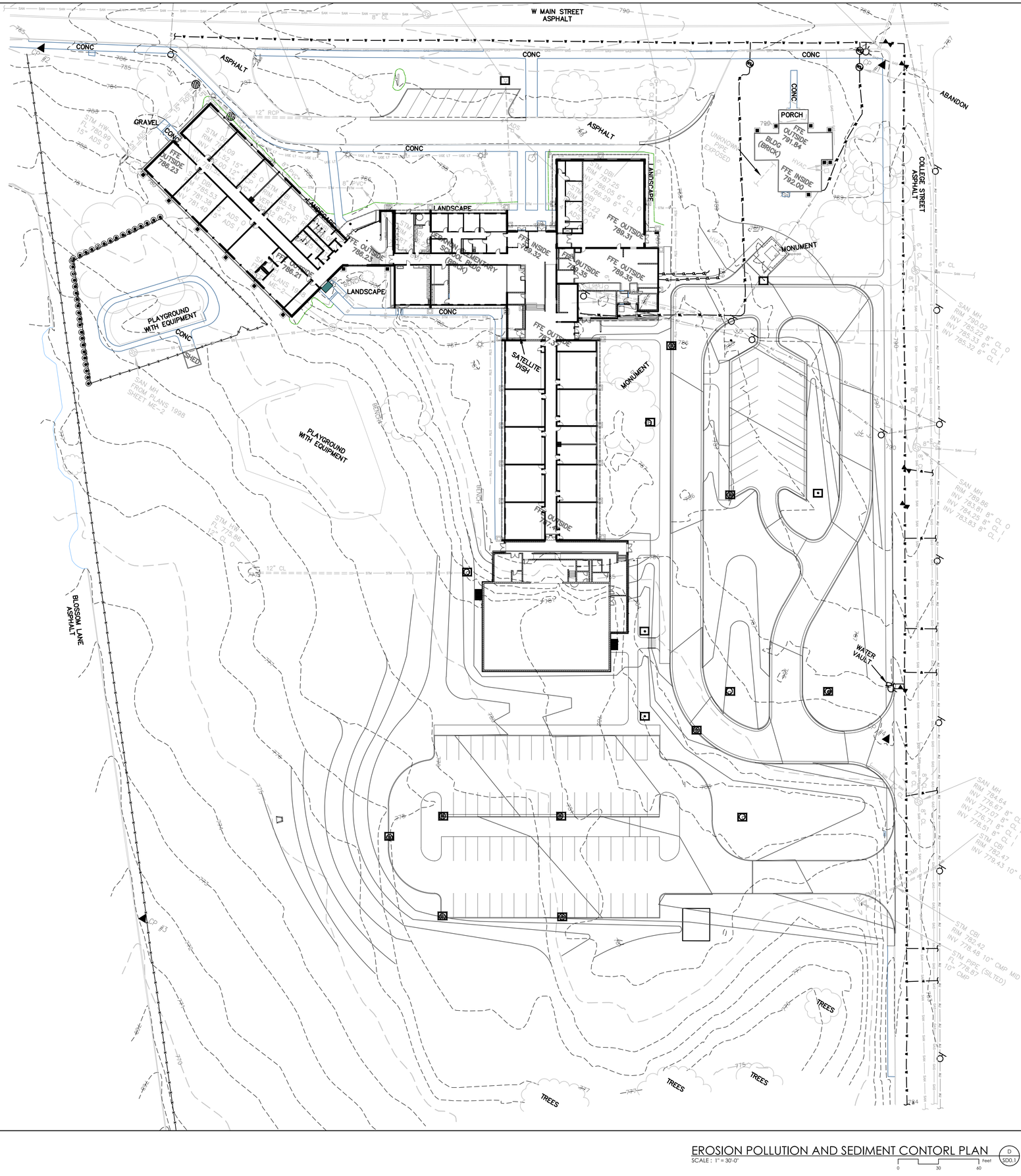
SCALE: 1"=40'
DATE: 11/03/2021
DRAWN BY: WSL
CHECKED BY: MDG
DESIGNED BY: NA
APPROVED BY: AWL

TOPOGRAPHIC SURVEY

LEBANON ELEMENTARY SCHOOL
420 W MAIN ST.
LEBANON, KENTUCKY

PROJECT NUMBER
218096

SHEET NUMBER
1



GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY SAME 2020 LIBERTY RD SUITE 105 LEXINGTON KY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

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 KENTUCKY DEPARTMENT OF HIGHWAY STANDARDS. CONTROL SHALL BE ACCOMPLISHED BY USE OF INTERCEPTOR DITCHES, DITCH SILT CHECKS, TEMPORARY SEEDING AND OTHER MEASURES AS MAY BE EFFECTIVE IN ACHIEVING THE DESIRED EFFECT. SILT FENCE SHALL BE INSTALLED TO PREVENT EROSION AND WASH-OFF ONTO WALKS, PAVEMENTS AND ALL ADJOINING PROPERTIES.
5. INSTALL SEDIMENT CONTROL FENCE OR SEDIMENT TRAPS AROUND ALL STORM WATER INLETS AND MAINTAIN UNTIL VEGETATION IS ESTABLISHED OR AREA PAVED AS APPROVED BY THE ARCHITECT. STORM WATER INLET PROTECTION IS TO BE INSTALLED IMMEDIATELY AFTER INSTALLATION OF THE STRUCTURES. REMOVE PROTECTIONS AT THE COMPLETION OF THE PROJECT WHEN CONDITIONS NO LONGER WARRANT THEIR USE. SEE SD4 SHEETS FOR DETAILS.
6. TYPICAL SILT FENCE AND SEDIMENT TRAP INSTALLATION DETAILS ARE SHOWN ON THE SD4 SHEETS. SEE KDOH STANDARDS FOR INFORMATION CONCERNING THE STONE SILT CHECKS.
7. SEDIMENT CONTROLS ARE TO BE INSPECTED, CLEANED AND REPAIRED AFTER EACH RAIN EVENT OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE PER WEEK. A LOG OF INSPECTIONS AND CLEANING IS TO BE KEPT ON SITE.
8. THE LOCATIONS OF SEDIMENT CONTROLS SHOWN ARE FOR GENERAL PROTECTION PRACTICES AND NOT AS PART OF A BMP PLAN. IF CONSTRUCTION ACTIVITIES PRODUCE CONDITIONS THAT REQUIRE ADDITIONAL CONTROLS, IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE, INSTALL AND MAINTAIN THE CONTROLS UNTIL CONDITIONS NO LONGER WARRANT THEIR USE.
9. ALL STORM DRAINAGE CATCH BASINS, CURB INLETS, AND JUNCTIONS BOXES ARE TO RECEIVE PROTECTION FROM SEDIMENTATION. AT A MINIMUM A PERIMETER SILT FENCE SHOULD BE INSTALLED AROUND THE DRAINAGE STRUCTURE AND INSTALLED UNDER THE GRATE.

LEGEND

SEDIMENT CONTROL FENCE. ADDITIONAL FENCE MAY BE REQUIRED AT OTHER AREAS DURING CONSTRUCTION. SEE DETAIL A/SD0.1

SILT CHECK DAM - SEE DETAIL B/SD0.1

INLET PROTECTION. SEE DETAIL A/SD4.1

EROSION POLLUTION AND SEDIMENT CONTORL PLAN
SCALE : 1" = 30'-0"

0 30 60 Feet

D SD0.1

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

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EROSION PROTECTION AND SEDIMENT CONTROL PLAN
LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

BG# 22-053

Project No:	2139
Drawn By:	KAM/ES
Rev'd By:	DS/LMR/RB

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DESIGN DEVELOPMENT

SD0.1

EROSION PROTECTION AND SEDIMENT CONTROL PLAN

DATE ISSUED:
APRIL 21, 2022

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY SAME 2020 LIBERTY RD SUITE 105 LEXINGTON KY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

SITE DEMOLITION TAGS

0. EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
   - (a) BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
   - (b) PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
   - (c) TREE/VEGETATION TO REMAIN.
   - (d) UTILITY TO REMAIN.
   - (e) FENCING TO REMAIN.
1. EXISTING TREE TO BE REMOVED. SEE A/SD0.2 TREE PROTECTION AND REMOVAL PLAN FOR ADDITIONAL INFORMATION.
2. DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT, STAIR, AND AGGREGATE BASE.
3. DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE. SAWCUT EDGES.
4. DEMOLISH AND REMOVE EXISTING CONCRETE CURB/CURB AND GUTTER. SAW CUT TO PROVIDE CLEAN TRANSITION FOR ADJACENT NEW CURB.
5. DEMOLISH AND REMOVE EXISTING SITE WALL AND FOUNDATION.
6. DEMOLISH AND REMOVE EXISTING UTILITY LINE/STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
7. DEMOLISH AND REMOVE EXISTING STORM LINE/STRUCTURE.
8. SALVAGE AND REMOVE EXISTING SIGNAGE. RETURN TO OWNER AT OWNER IDENTIFIED ON-CAMPUS LOCATION.
9. SALVAGE AND REINSTALL EXISTING SIGNAGE. SEE LAYOUT AND DEVELOPMENT PLANS FOR NEW LOCATIONS.
10. DEMOLISH AND REMOVE CONCRETE FILLED PIPE BOLLARDS AND FOUNDATIONS.

LEGEND

- CONCRETE PAVEMENT DEMOLITION
- ASPHALT PAVEMENT DEMOLITION
- CONCRETE STAIR DEMOLITION
- GRAVEL PAVEMENT DEMOLITION
- TREE PROTECTION FENCE. INSTALLED PER SPECIFICATIONS (311500)
- EXISTING VEGETATION TO BE DEMOLISHED.

SITE DEMOLITION PLAN

SCALE : 1" = 30'-0"

0 30 60 Feet

A SD0.2

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

SITE DEMOLITION PLAN
LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

Structural Engineer:
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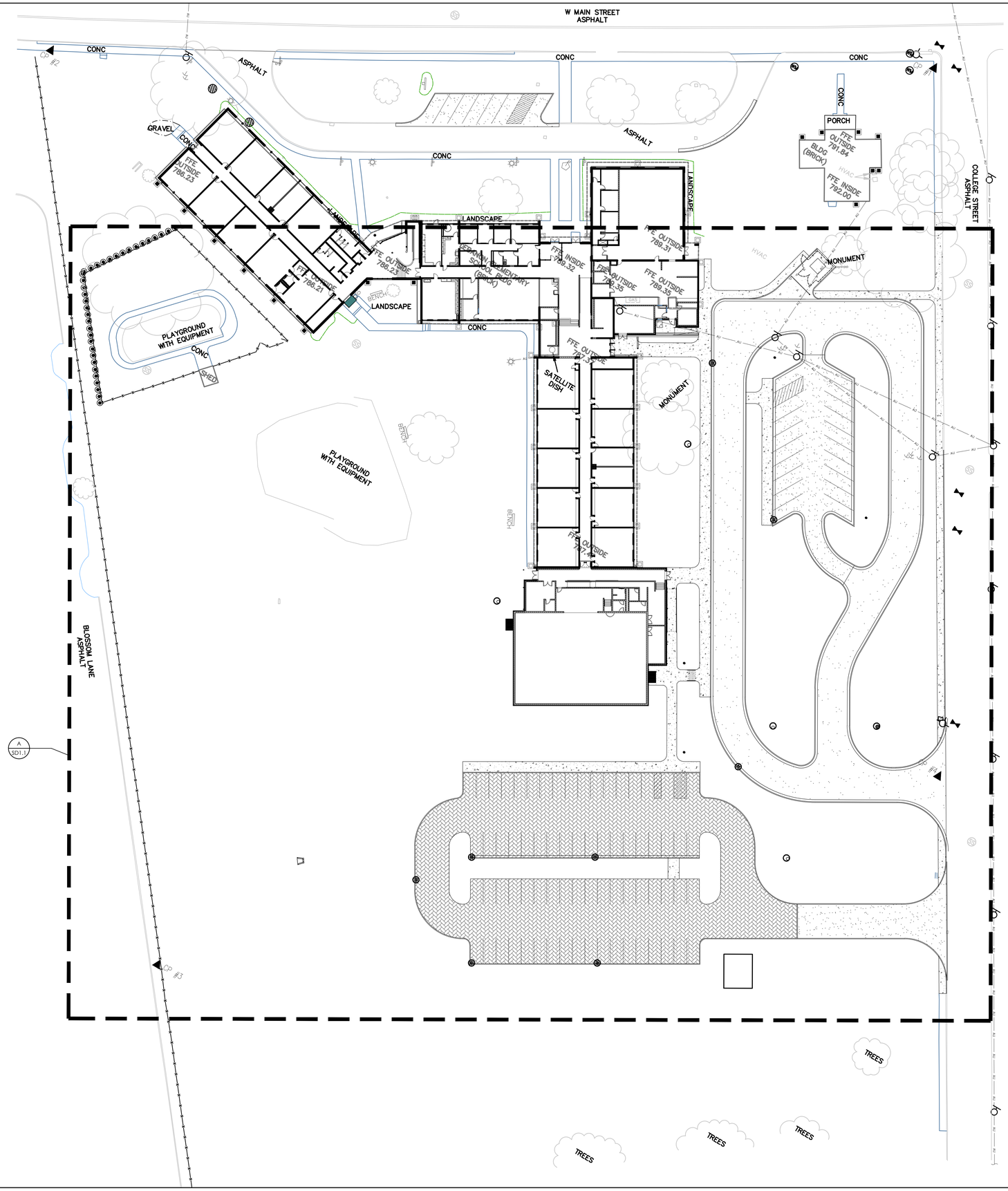
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SD0.2

SITE DEMOLITION PLAN

DATE ISSUED:
APRIL 21, 2022



OVERALL SITE DEVELOPMENT AND LAYOUT PLAN

SCALE : 1" = 30'-0"

A SD1.0

0 30 60 Feet

GENERAL SITE NOTES

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4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

SITE DEVELOPMENT TAGS

0 EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- (a) BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
- (b) PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
- (c) TREE/VEGETATION TO REMAIN.
- (d) UTILITY TO REMAIN.
- (e) STORM LINE/STRUCTURE TO REMAIN

1 ASPHALT PAVEMENT (321216)
- (a) LIGHT DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2.
- (b) HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2.
- (c) MILL AND OVERLAY EXISTING PAVING, SEE DETAIL XX/XX

2 CONCRETE PAVEMENT (321313, 321373)
- (a) 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2.
- (b) 8" DEPTH CONCRETE PAVEMENT. SEE DETAIL, C/SD4.2.
- (c) CONCRETE RAMP 'A' , SEE DETAIL, D/SD4.3.
- (d) CONCRETE RAMP 'B', SEE DETAIL E/SD4.3.

3 CONCRETE CURB (321313, 321613, 321726)
- (a) 6" WIDTH HEADER CURB. SEE DETAIL D/SD4.2.
- (b) CURB AND GUTTER, SEE DETAIL E/SD4.2
- (c) CONCRETE SIDEWALK WITH TURNDOWN CURB. SEE DETAIL F/SD4.2.
- (d) ACCESSIBLE DROPPED CURB TYPE 'A' RAMP, SEE DETAILS G/SD4.2.
- (e) ACCESSIBLE DROPPED CURB TYPE 'B' RAMP, SEE DETAILS H/SD4.2.

4 PAINTED PAVEMENT MARKINGS. (321723.13)
- (a) 4" PAVING STRIPING, WHITE.
- (b) 4" PAVING STRIPING, YELLOW.
- (c) ACCESSIBLE PARKING STRIPING, SEE DETAIL J/SD4.2.
- (d) PAINTED TRAFFIC STOP BAR, 12'X12', WHITE,
- (e) CROSSWALK, SEE DETAIL, K/SD4.2.

5 TRAFFIC SIGNAGE (SINGLE POST). (101453)
- (a) STOP SIGN, SEE DETAIL O/SD4.2.
- (b) ACCESSIBLE PARKING SIGN. SEE DETAIL Q/SD4.2.
- (b) VAN ACCESSIBLE PARKING SIGN. SEE DETAIL Q/SD4.2.
- (c) STAFF PARKING SIGN, SEE DETAIL P/SD4.2.
- (d) VISITOR PARKING SIGN, SEE DETAIL P/SD4.2.
- (e) ONE WAY DO NOT ENTER SIGN, SEE DETAIL O/SD4.2.
- (f) PARENT LOOP SIGN, SEE DETAIL P/SD4.2

6 SITE WALLS
- (a) MASONRY SITE WALL, SEE DETAIL N/SD4.2
- (b) CAST IN PLACE CONCRETE WALL, SEE DETAIL L/SD4.2.

7 VINYL COATED CHAIN LINK FENCING. (323113)
- (a) 8'-0" HEIGHT FENCE. SEE DETAIL A/SD4.3.
- (b) 8'-0" HEIGHT BY 5'-0" PEDESTRIAN GATE. SEE DETAIL C/SD4.3.
- (c) 8'-0" HEIGHT BY 16'-0" VEHICULAR GATE. SEE DETAIL B/SD4.3.

8 UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- (a) NEW UTILITY.
- (b) SITE LIGHTING.

9 STRUCTURE. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- (a) BUILDING CANOPY.

10 PERMEABLE CONCRETE PRECAST PAVERS, SEE DETAIL I/SD4.2.

11 CONCRETE FILLED BOLLARD, SEE DETAIL L/SD4.2.

12 CONCRETE WHEEL STOP, SEE DETAIL M/SD4.2.

12 FLAG POLE, SEE DETAIL F/SD4.3.

LEGEND

- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- GRAVEL PAVEMENT

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

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OVERALL SITE DEVELOPMENT AND LAYOUT PLAN
LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

BG# 22-053

Project No: 2139
Drawn By: KAM/ES
Rev'd By: DS/LMR/RB

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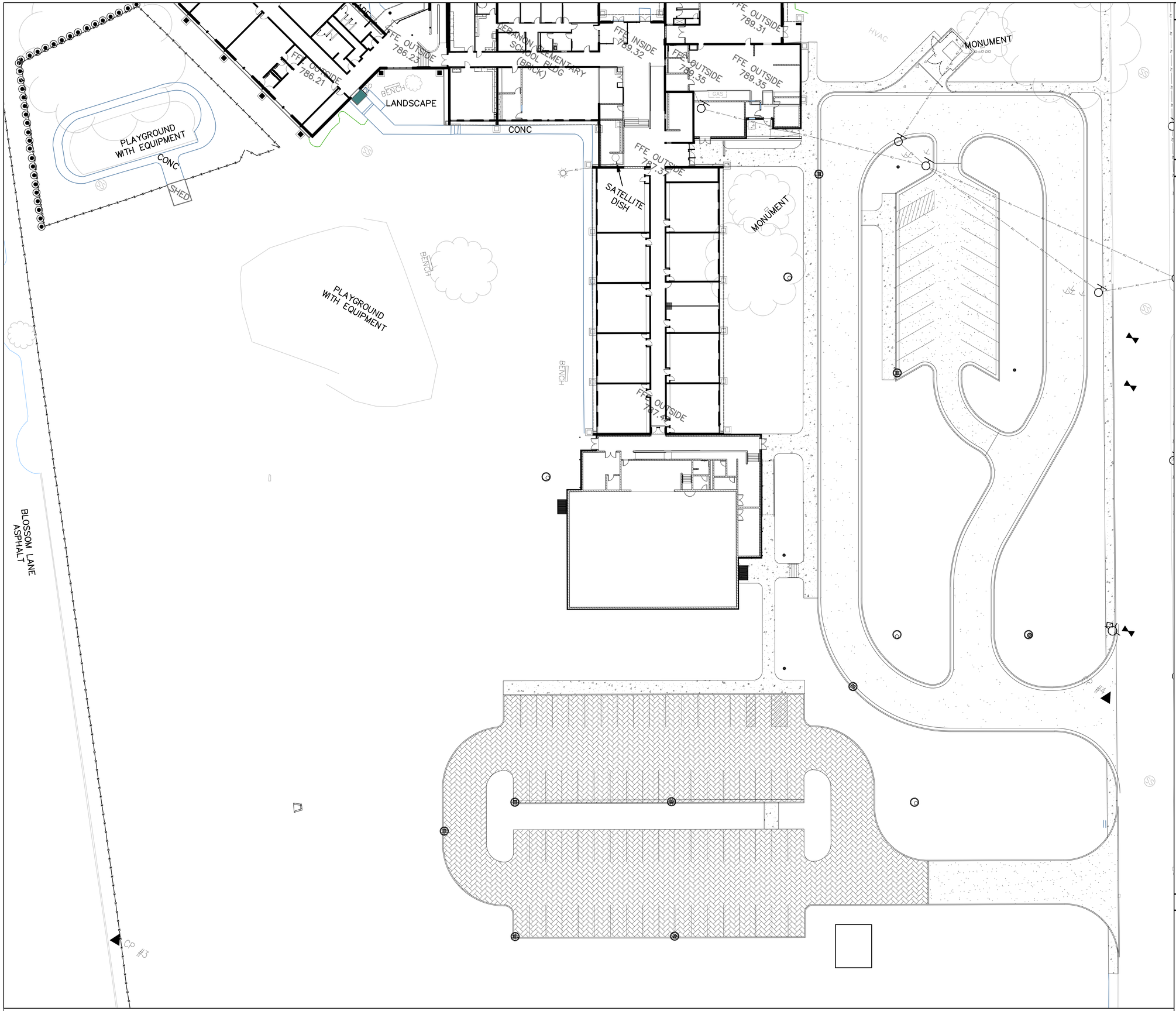
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OVERALL SITE DEVELOPMENT AND LAYOUT PLAN
DATE ISSUED:
APRIL 21, 2022



GENERAL SITE NOTES

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5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

SITE DEVELOPMENT TAGS

0 EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- (a) BUILDING TO REMAIN. NO UTILITIES TO THESE FACILITIES ARE TO BE REMOVED UNLESS NEW PERMANENT UTILITY IS PROVIDED PRIOR TO DEMOLITION.
- (b) PAVEMENT TO REMAIN - PATCH/REPAIR WHERE DAMAGED BY CONSTRUCTION. SAW-CUT TO PROVIDE CLEAN EDGE. CONCRETE PAVING TO BE SAW-CUT BACK TO NEAREST UNDAMAGED CONTROL OR ISOLATION JOINT. MATCH NEW ADJACENT PAVEMENT TO EXISTING PAVEMENT ELEVATIONS
- (c) TREE/VEGETATION TO REMAIN.
- (d) UTILITY TO REMAIN.
- (e) STORM LINE/STRUCTURE TO REMAIN

1 ASPHALT PAVEMENT (321216)
- (a) LIGHT DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2.
- (b) HEAVY DUTY ASPHALT PAVING. SEE DETAIL A/SD4.2.
- (c) MILL AND OVERLAY EXISTING PAVING, SEE DETAIL XX/XX

2 CONCRETE PAVEMENT (321313, 321373)
- (a) 4" DEPTH CONCRETE PAVEMENT- SEE DETAIL, B/SD4.2.
- (b) 8" DEPTH CONCRETE PAVEMENT. SEE DETAIL, C/SD4.2.
- (c) CONCRETE RAMP 'A' , SEE DETAIL XX/XX.
- (d) CONCRETE RAMP 'B', SEE DETAIL XX/XX.

3 CONCRETE CURB (321313, 321613, 321726)
- (a) 6" WIDTH HEADER CURB. SEE DETAIL F/SD4.2.
- (b) CURB AND GUTTER, SEE DETAIL E/SD4.2
- (c) CONCRETE SIDEWALK WITH TURNDOWN CURB. SEE DETAIL L/SD4.2.
- (d) ACCESSIBLE DROPPED CURB TYPE 'A' RAMP, SEE DETAILS G &I/SD4.2.
- (e) ACCESSIBLE DROPPED CURB TYPE 'B' RAMP, SEE DETAILS H &I/SD4.2.

4 PAINTED PAVEMENT MARKINGS. (321723.13)
- (a) 4" PAVING STRIPING, WHITE.
- (b) 4" PAVING STRIPING, YELLOW.
- (c) ACCESSIBLE PARKING STRIPING, SEE DETAIL R/SD4.2.
- (d) PAINTED TRAFFIC STOP BAR, 12'X12', WHITE.
- (e) CROSSWALK, SEE DETAIL XX/XX.

5 TRAFFIC SIGNAGE (SINGLE POST). (101453)
- (a) STOP SIGN, SEE DETAIL N/SD4.2.
- (b) ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2.
- (b) VAN ACCESSIBLE PARKING SIGN. SEE DETAIL R/SD4.2.
- (c) STAFF PARKING SIGN, SEE DETAIL XXX.
- (d) VISITOR PARKING SIGN, SEE DETAIL XX/XX
- (e) ONE WAY DO NOT ENTER SIGN, SEE DETAIL XX/XX
- (f) PARENT LOOP SIGN, SEE DETAIL XX/XX

6 SITE WALLS
- (a) MASONRY SITE WALL, SEE DETAIL M/SD4.4
- (b) CAST IN PLACE CONCRETE WALL, SEE DETAIL XX/XX

7 VINYL COATED CHAIN LINK FENCING. (323113)
- (a) 8'-0" HEIGHT FENCE. SEE DETAIL A/SD4.8.
- (b) 8'-0" HEIGHT BY 5'-0" PEDESTRIAN GATE. SEE DETAIL X/SD4.2.
- (c) 8'-0" HEIGHT BY 16'-0" VEHICULAR GATE. SEE DETAIL XX/XX.

8 UTILITY STRUCTURE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- (a) NEW UTILITY.
- (b) SITE LIGHTING.

9 STRUCTURE. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- (a) BUILDING CANOPY.

10 PERMEABLE CONCRETE PRECAST PAVERS, SEE DETAIL XX/XX.

11 CONCRETE FILLED BOLLARD, SEE DETAIL E/SD1.1, (XXXX)

12 FLAG POLE, SEE DETAIL XX/XX.

LEGEND

- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- GRAVEL PAVEMENT

SITE DEVELOPMENT AND LAYOUT PLAN

SCALE : 1" = 20'-0"

A SD1.1

0 20 40 Feet

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

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SITE DEVELOPMENT AND LAYOUT PLAN
LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

Structural Engineer:
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Project No: 2139
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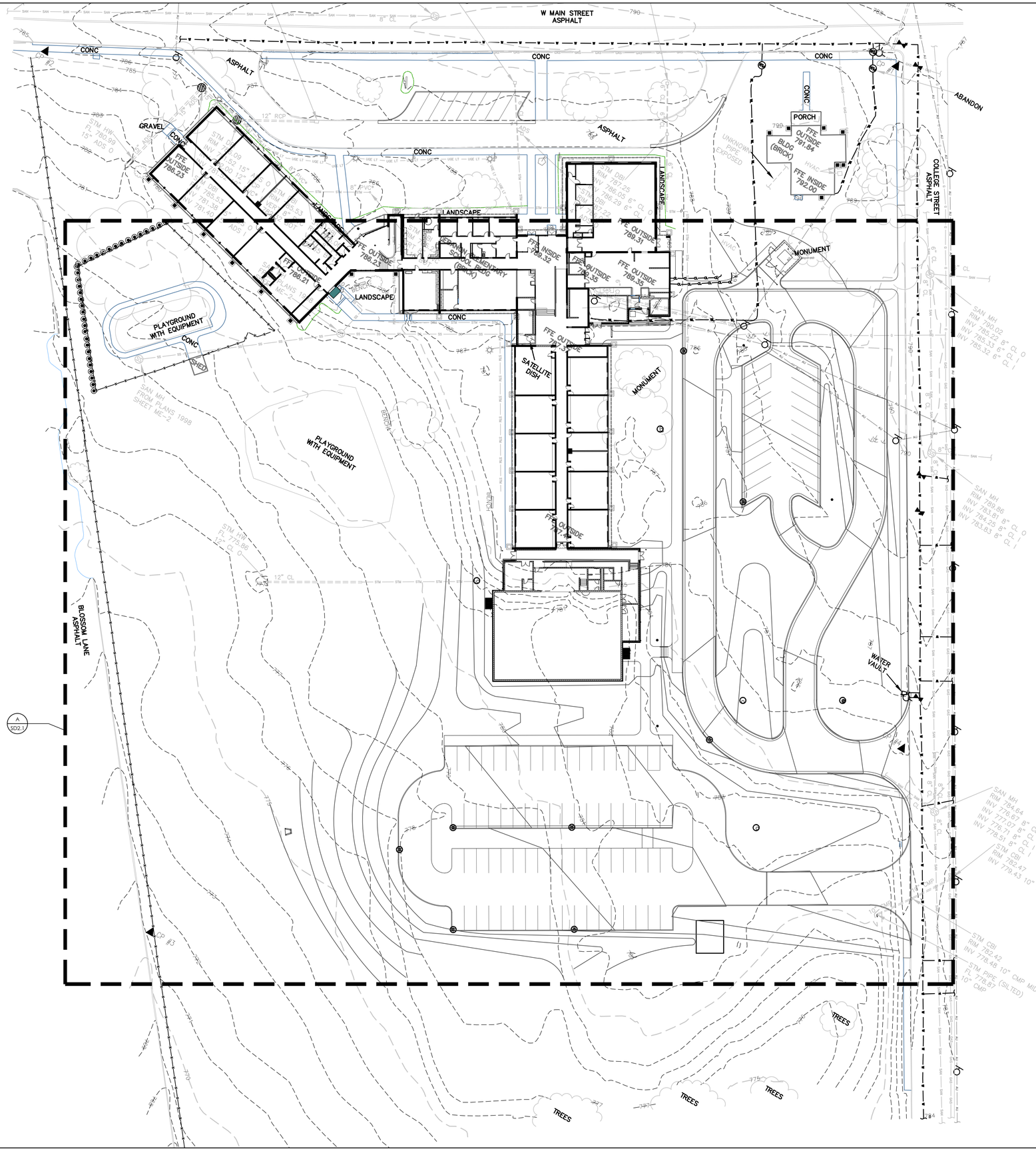
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SITE DEVELOPMENT AND LAYOUT PLAN

DATE ISSUED:
APRIL 21, 2022



GENERAL SITE NOTES

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5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

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. 5 % 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 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
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 - 97%
    B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 97%
    C) PAVED AREAS AND WALKS - 95%
    D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
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 SATISFACTORY SOILS ARE TO BE DISPOSED OF ON-SITE IN A LOCATION IDENTIFIED BY THE OWNER. THESE SOILS ARE TO BE SPREAD AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
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 GEO-GRID IN ADDITION TO THE PAVEMENT DESIGN SECTION SHOWN. IF THE CONTRACTOR WISHES TO USE THE NEW ROAD ALIGNMENTS DURING CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO STABILIZE THE ROAD ALIGNMENT SUBGRADES AND PREVENT THEM FROM BEING DAMAGED DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A CRUSHED STONE ENTRY AND DRIVE TO REDUCE SOIL TRACKING.

SPOT ELEVATION LEGEND

TC - TOP OF CURB	TF - TOP OF FOOTING (BELOW GRADE)
BC - BOTTOM OF CURB	TL - TOP OF LANDING
FFE - FINISHED FLOOR ELEVATION	TR - TOP OF RISER
TD - TOP OF DECK	BR - BOTTOM OF RISER
TW - TOP OF WALL AT FINISH GRADE	IJ - ISOLATION JOINT
BW - BOTTOM OF WALL AT FINISH GRADE	

OVERALL SITE GRADING PLAN

SCALE : 1" = 30'-0"

0 30 60 Feet

A SD2.0

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

NOT FOR CONSTRUCTION

OVERALL SITE GRADING PLAN
LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

BG# 22-053

Project No: 2139
Drawn By: KAM/ES
Rev'd By: DS/LMR/RB

SHEET RELEASE

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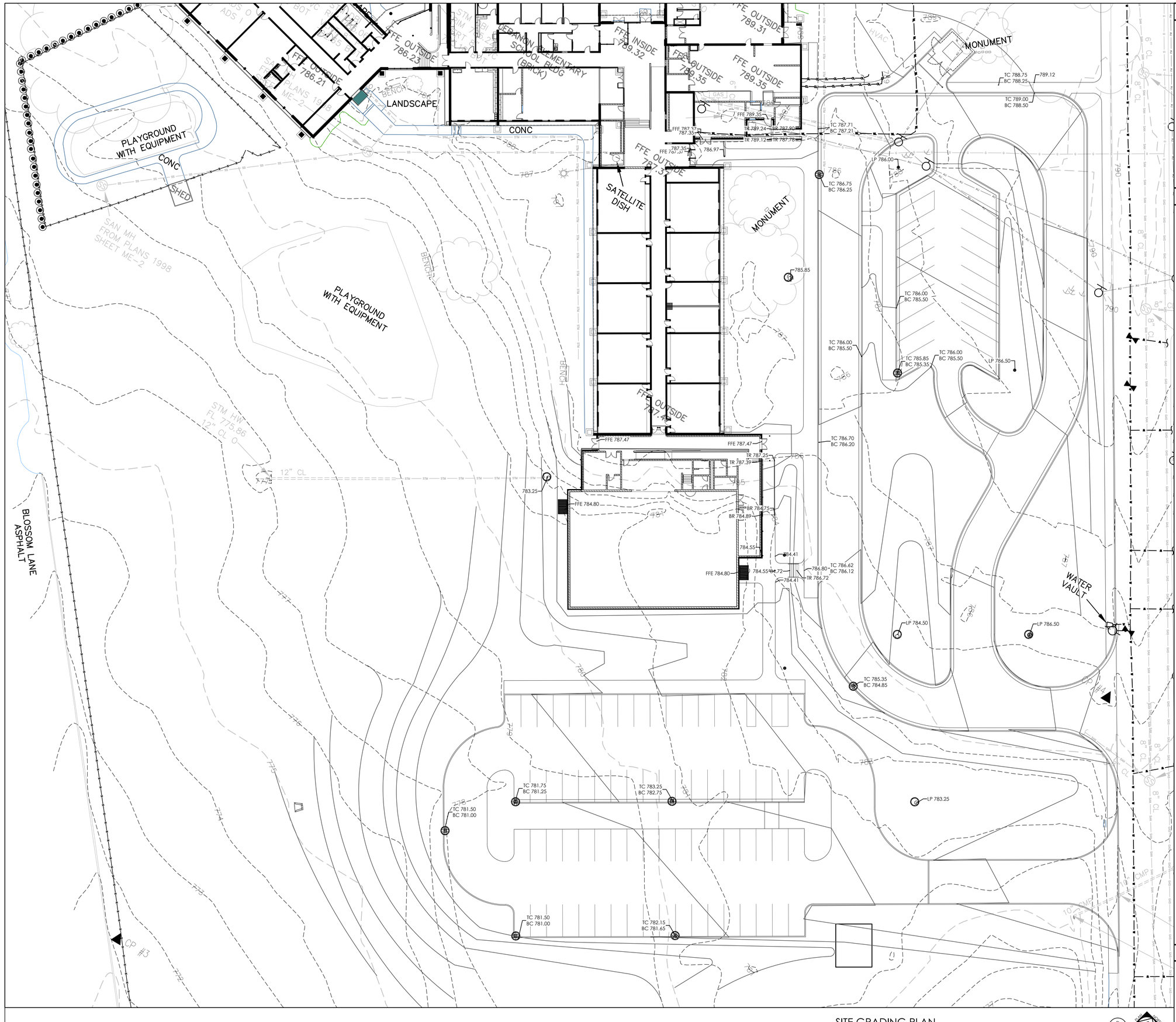
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DESIGN DEVELOPMENT

SD2.0

OVERALL SITE GRADING PLAN

DATE ISSUED:
APRIL 21, 2022



SITE GRADING PLAN
SCALE: 1" = 20'-0"

D
SD2.1

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY SAME 2020 LIBERTY RD SUITE 105 LEXINGTON KY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

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. 5 % 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 4:1 (H:V) OR GREATER ARE TO RECEIVE LONG- TERM EROSION-CONTROL BLANKETS.
   C) SLOPES BETWEEN 4:1 AND 6:1 (H:V) ARE TO RECEIVE SHORT-TERM EROSION CONTROL BLANKETS.
   D) SLOPES BELOW 6:1 (H:V) ARE TO RECEIVE STRAW MULCH PER THE SPECIFICATIONS. DO NOT USE HAY.
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 - 97%
    B) FILLS ON EXISTING SOILS, ROCK CUTS OR SHOT-ROCK FILL - 97%
    C) PAVED AREAS AND WALKS - 95%
    D) LANDSCAPE AREAS OUTSIDE MASS FILL AREAS - 85%
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.
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BC - BOTTOM OF CURB	TL - TOP OF LANDING
FFE - FINISHED FLOOR ELEVATION	TR - TOP OF RISER
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LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
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LEBANON, KENTUCKY

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Drawn By: KAM/ES
Rev'd By: DS/LMR/RB

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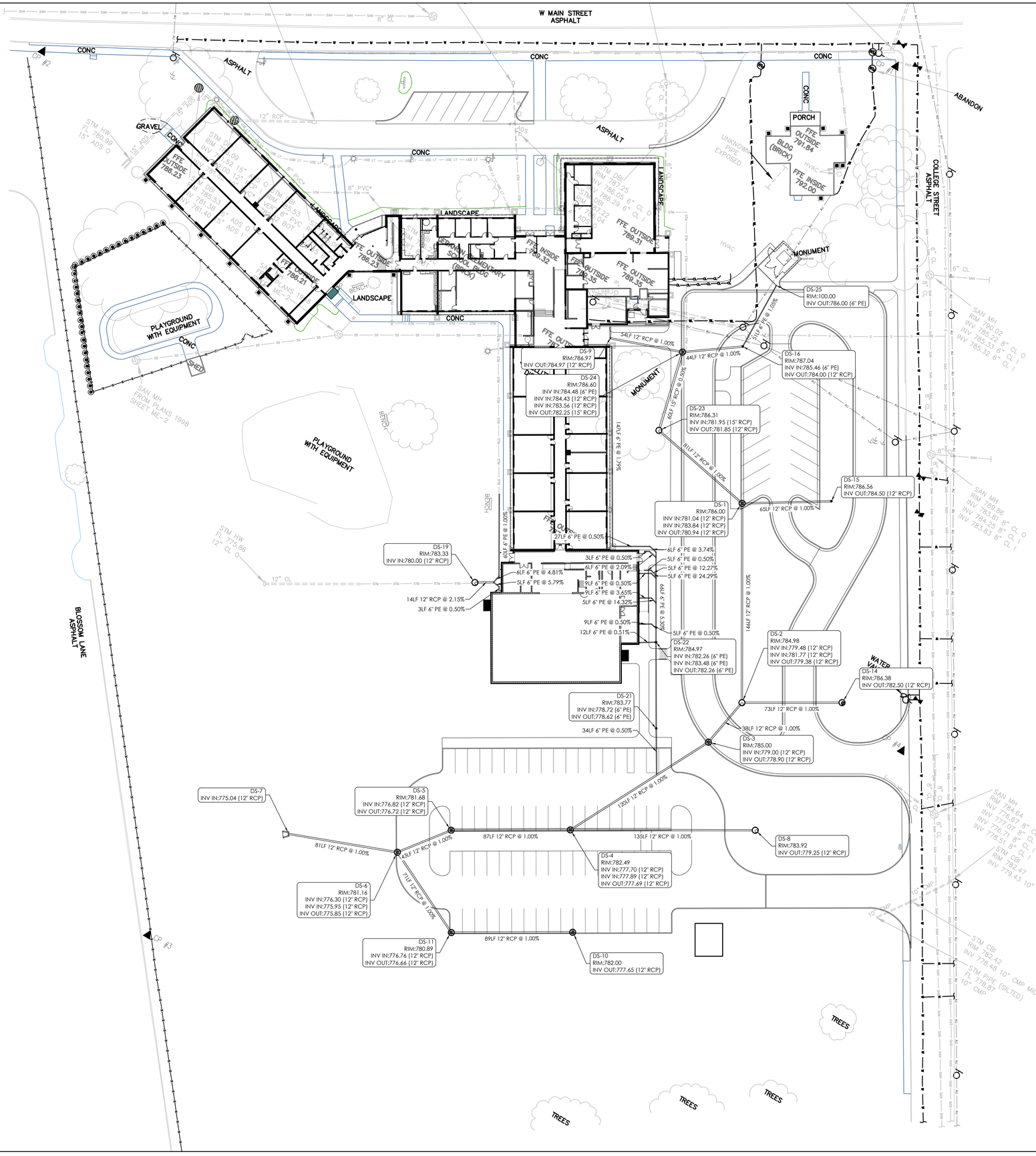
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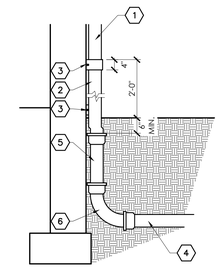
DESIGN DEVELOPMENT

SD2.1

SITE GRADING PLAN

DATE ISSUED:
APRIL 21, 2022


W MAIN STREET
ASPHALT
COLLEGE STREET
ASPHALT
BLOSSOM LANE
ASPHALT
ABANDON
CONC
ASPHALT
GRAVEL
PORCH
FFE OUTSIDE 791.84
BLDG (BRICK)
FFE INSIDE 792.00
HVAC
MONUMENT
LANDSCAPE
FFE OUTSIDE 788.23
FFE OUTSIDE 786.21
FFE OUTSIDE 786.25
FFE INSIDE 789.32
FFE OUTSIDE 789.31
FFE OUTSIDE 789.35
FFE OUTSIDE 789.35
FFE OUTSIDE 789.35



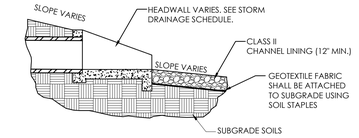
NOTES :

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

DOWNSPOUT BOOT DETAIL

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

D SD4.1



NOTES:

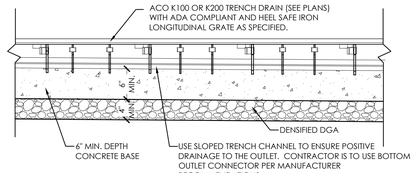
1.) CHANNEL LINING SHALL BE PLACED IN A MANNER THAT WILL NOT TEAR OR DAMAGE THE FILTER FABRIC.
2.) GEOTEXTILE FABRIC SHALL BE NON-WOVEN DRAINAGE FABRIC SUCH AS AMOCO 4545.
3.) GRADING AROUND THE HEADWALL SHOULD BE SUFFICIENT TO PREVENT THE HEADWALL FROM MOVING AND TO PREVENT EROSION AROUND THE HEADWALL.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

HEADWALL DETAIL

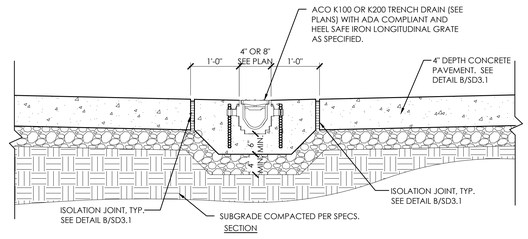
SCALE : N.T.S.

C SD4.1

NOTE:
ACO KLASSIC DRAIN K100 & K200 TRENCH DRAIN (OR EQUAL). THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE CHANNEL SYSTEM WITH GALVANIZED STEEL RAILS AND A BUILT-IN SLOPE OF 0.50%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNEL SECTIONS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.



PROFILE

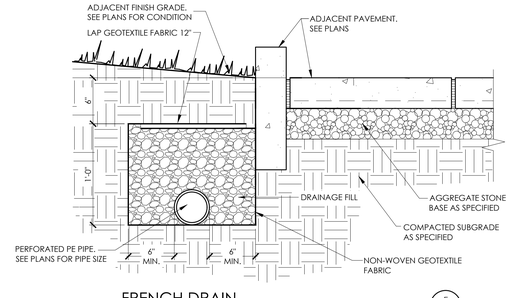


SECTION

LIGHT DUTY TRENCH DRAIN

SCALE : 1"=1'-0"

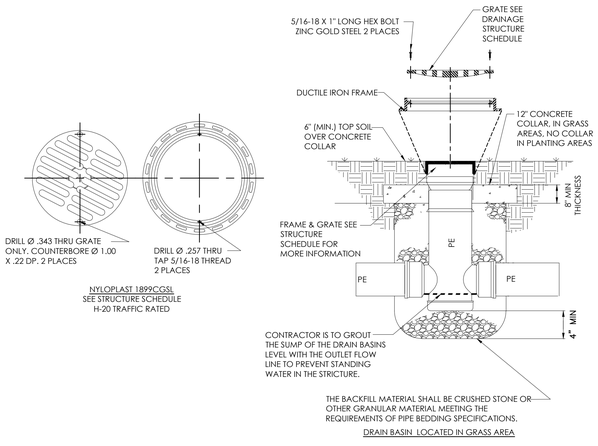
F SD4.1



FRENCH DRAIN

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

E SD4.1

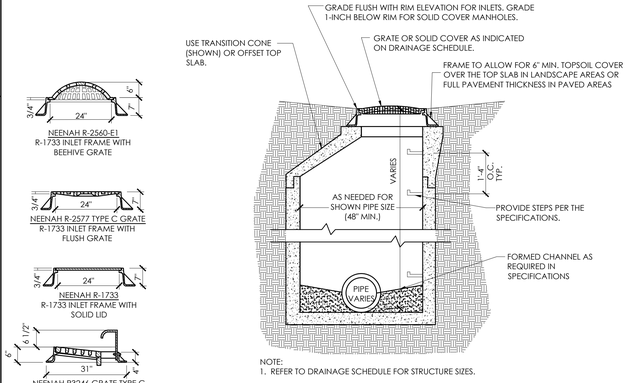


DRAIN BASIN LOCATED IN GRASS AREA

DRAIN BASIN PLAZA DRAIN DETAIL

SCALE : N.T.S.

B SD4.1



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

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

MANHOLE/SURFACE INLET (TYP)

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

A SD4.1

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

SITE DETAILS

LEBANON ELEMENTARY RENOVATION/ADDITION

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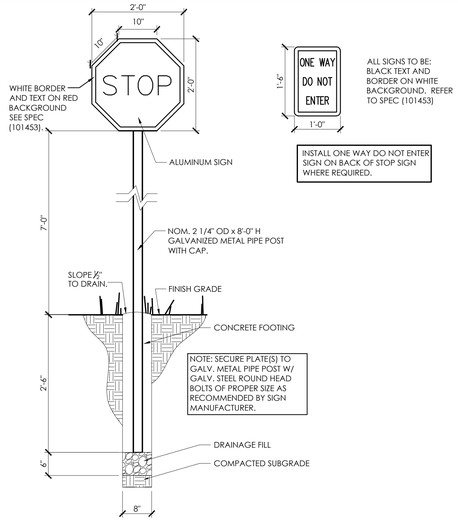
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DESIGN DEVELOPMENT

SD4.1

SITE DETAILS

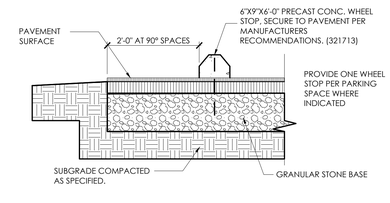
DATE ISSUED:
APRIL 21, 2022



STOP AND DO NOT ENTER SIGNS

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

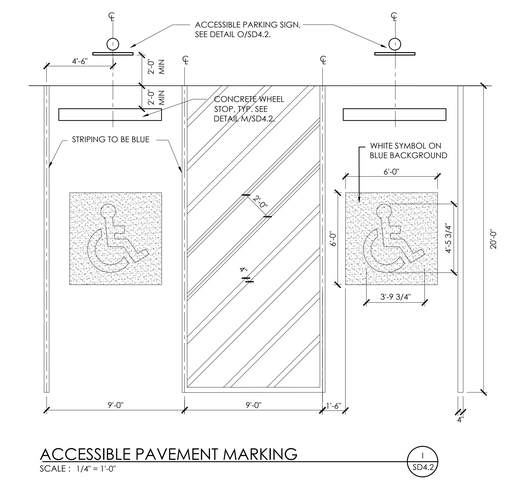
N SD4.2



CONCRETE WHEEL STOP (321713)

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

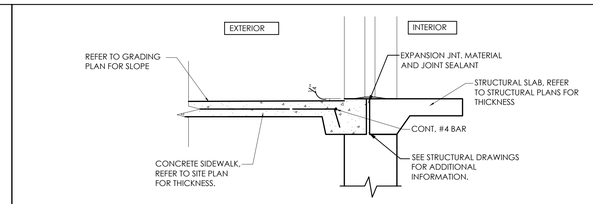
M SD4.2



ACCESSIBLE PAVEMENT MARKING

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

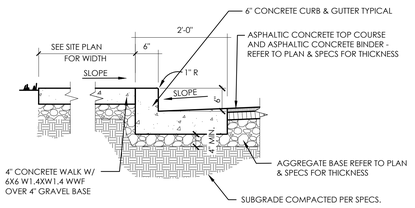
I SD4.2



CONCRETE THRESHOLD DETAIL (321313)

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

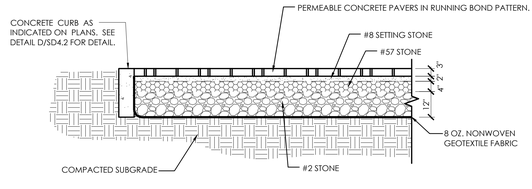
F SD4.2



CONCRETE CURB, GUTTER & WALK

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

E SD4.2

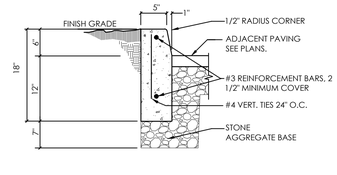


PERMEABLE PAVER

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

J SD4.2

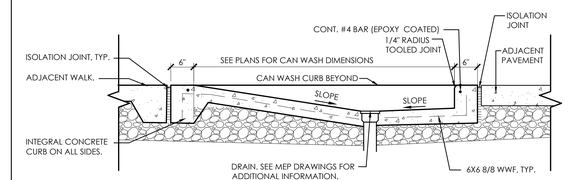
NOTES:
1. PROVIDE EXPANSION JOINTS & CONTRACTION JOINTS AS REQUIRED-SEE DETAIL THIS SHEET. REFER TO SPEC. SECTION FOR ADDITIONAL REQUIREMENTS. (321613)
2. BACKFILL AT BACK FACE OF CURB TO BE LEVEL WITH THE FINISH ELEVATION OF THE CURB. COMPACT PER THE SPECS.



CONCRETE HEADER CURB

SCALE : N.T.S.

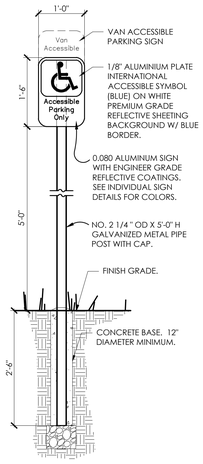
D SD4.2



CAN WASH

SCALE : 1" = 1'-0"

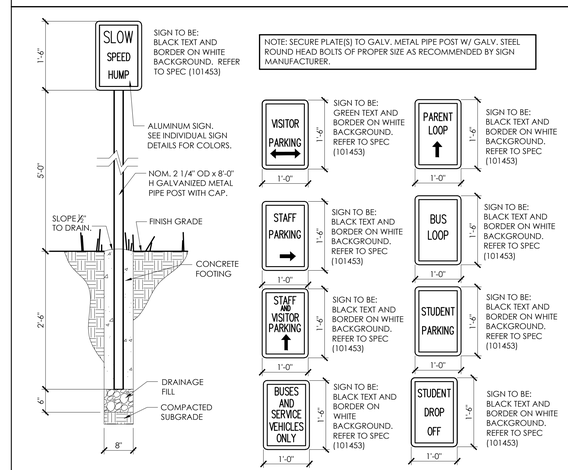
P SD4.2



ACCESSIBLE PARKING SIGNS (101424)

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

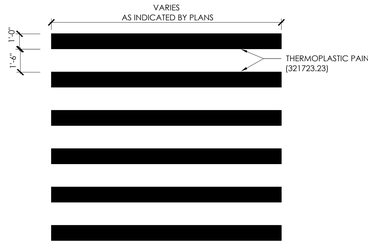
L SD4.2



DIRECTIONAL SIGNS

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

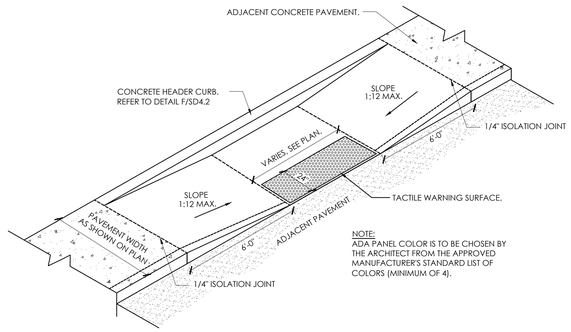
O SD4.2



PAINTED CROSS WALK (321723.23)

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

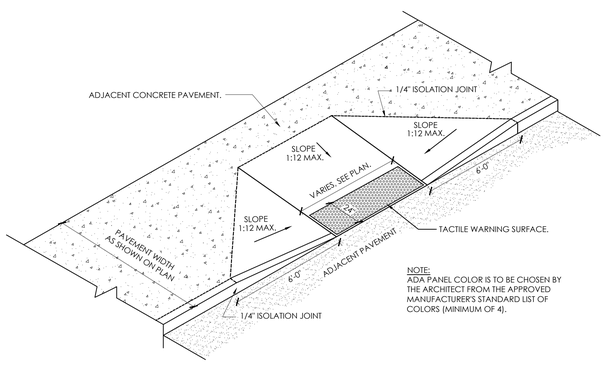
K SD4.2



ACCESSIBLE DROPPED CURB - TYPE B

SCALE : N.T.S.

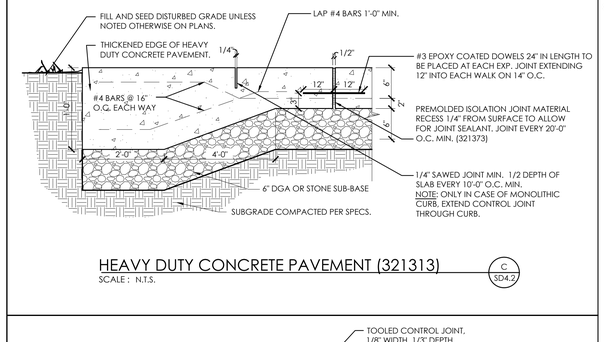
H SD4.2



ACCESSIBLE DROPPED CURB - TYPE A

SCALE : N.T.S.

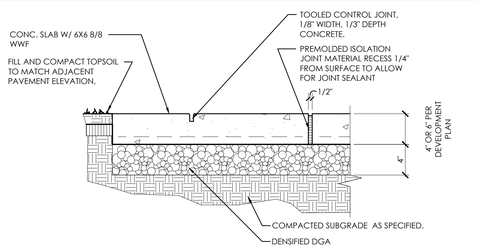
G SD4.2



HEAVY DUTY CONCRETE PAVEMENT (321313)

SCALE : N.T.S.

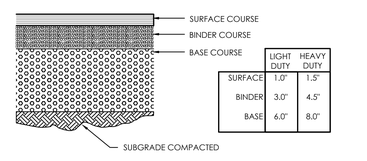
C SD4.2



CONCRETE PAVEMENT 4" DEPTH

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

B SD4.2



	LIGHT DUTY	HEAVY DUTY
SURFACE	1.0"	1.5"
BINDER	3.0"	4.5"
BASE	6.0"	8.0"

ASPHALT PAVEMENT

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

A SD4.2

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SITE DETAILS
LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

BG# 22-053

Project No: 2139
Drawn By: KAM/ES
Rev'd By: DS/LMR/RB

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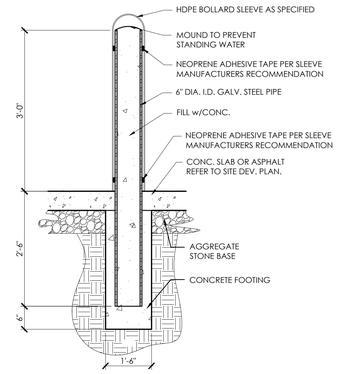
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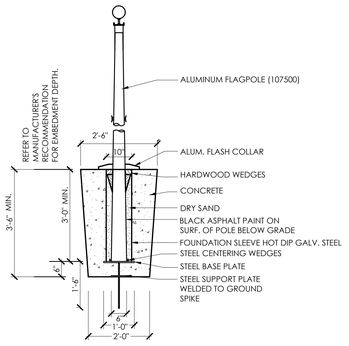
SD4.2

SITE DETAILS

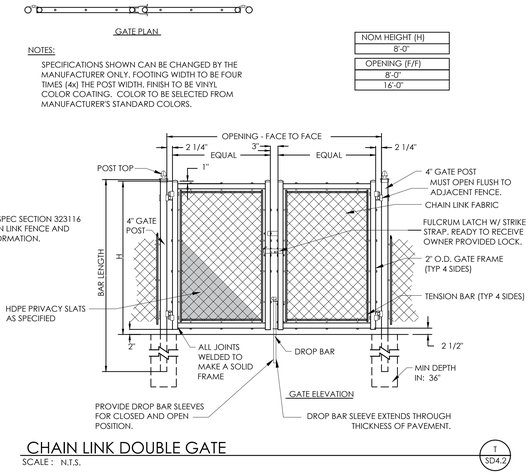
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APRIL 21, 2022



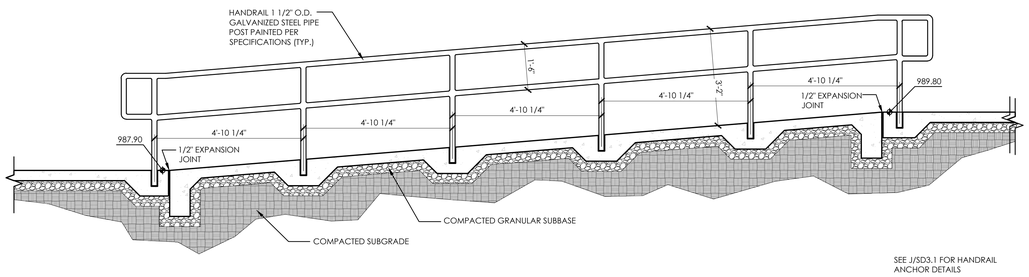
CONCRETE FILLED BOLLARD
SCALE : N.T.S.
G SD4.3



INTERNAL HALYARD FLAGPOLE DETAIL
SCALE : 1/2" = 1'-0"
F SD4.3

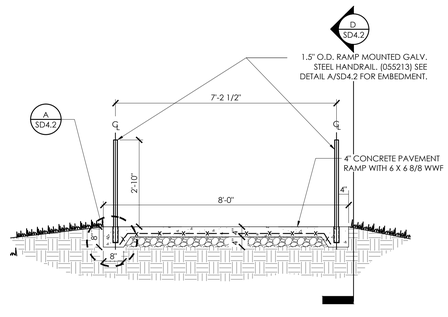


CHAIN LINK DOUBLE GATE
SCALE : N.T.S.
T SD4.2

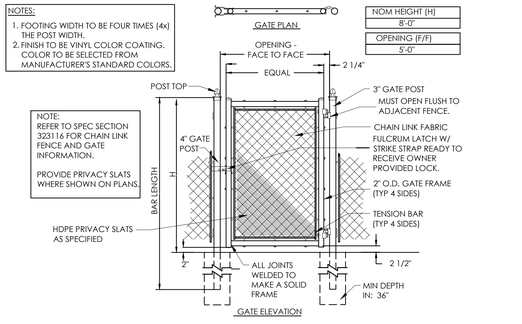


SEE J/SD3.1 FOR HANDRAIL ANCHOR DETAILS

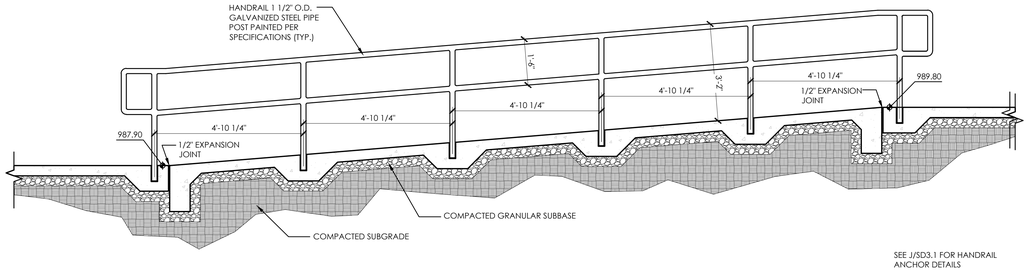
TYPICAL RAMP SECTION
SCALE : 1/2" = 1'-0"
I SD4.3



CONCRETE RAMP- SECTION
SCALE : 1/2" = 1'-0"
E SD4.3

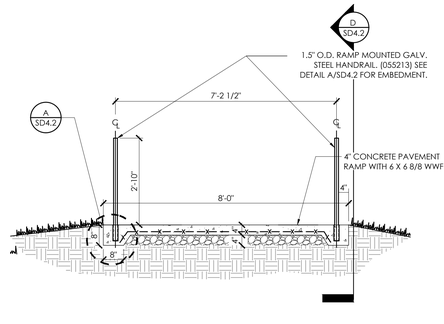


8'-0" HEIGHT PEDESTRIAN GATE
SCALE : N.T.S.
S SD4.2

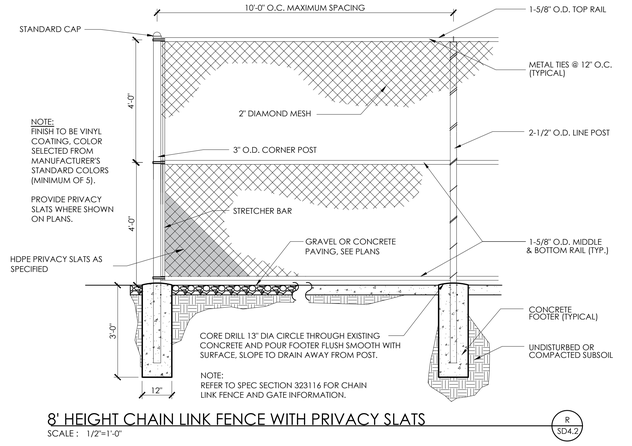


SEE J/SD3.1 FOR HANDRAIL ANCHOR DETAILS

TYPICAL RAMP SECTION
SCALE : 1/2" = 1'-0"
H SD4.3



CONCRETE RAMP- SECTION
SCALE : 1/2" = 1'-0"
D SD4.3



8' HEIGHT CHAIN LINK FENCE WITH PRIVACY SLATS
SCALE : 1/2"=1'-0"
R SD4.2

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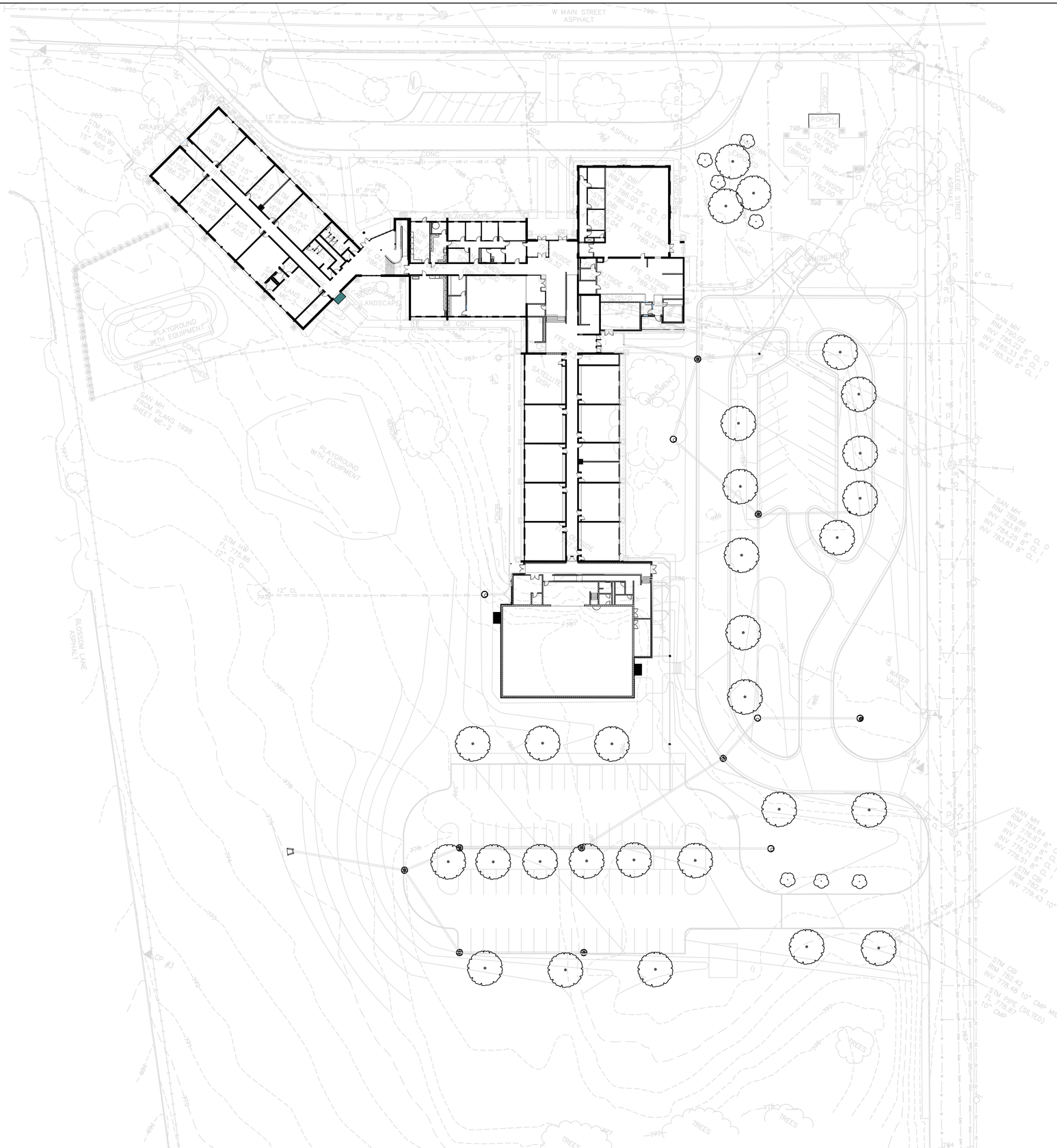
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SD4.3

SITE DETAILS

DATE ISSUED:
APRIL 21, 2022



OVERALL PLANTING PLAN

SCALE : 1" = 30'-0"

0 30 60 Feet

D SD5.0

GENERAL SITE NOTES

1. THE SITE PLANS WERE PREPARED BASED UPON TOPOGRAPHIC SURVEYS BY SAME 2020 LIBERTY RD SUITE 105 LEXINGTON KY 40505. REFER TO SITE SURVEY SHEETS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE FEATURES AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
3. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
4. THE CONTRACTOR SHALL USE EXTREME CARE IN WORKING AROUND EXISTING OVERHEAD AND UNDERGROUND UTILITIES. MEASURES SHOULD BE TAKEN TO PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
5. SEE EROSION POLLUTION AND SEDIMENT CONTROL PLAN ON SD0.1 FOR RECOMMENDED BEST MANAGEMENT PRACTICES INFORMATION AND SEDIMENT CONTROLS.

LANDSCAPE NOTES

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

LANDSCAPE TAGS

A SOD ENTIRE AREA BETWEEN PAVEMENTS AND/OR BUILDING (329223)

B PROVIDE 3'-0" SOD STRIP AT PERIMETER OF ALL NEW PAVEMENT AND BUILDING EDGES. (329223) SEED ALL OTHER AREAS DISTURBED BY CONSTRUCTION (329219). INSTALL EROSION CONTROL BLANKETS AND MATS ON SLOPES PER THE SPECIFICATIONS (312200)

C SEED AND MULCH PER SPECIFICATIONS. PROVIDE EROSION CONTROL NETTING PER SPECIFICATIONS.

LEGEND

MULCHED AREA

SODDED AREA (329223)

NEW SHRUB/PERENNIAL. SEE DETAIL B&C/SD5.1 (329300)

NEW TREE. SEE DETAIL A/SD5.1 (329300)

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

OVERALL PLANTING PLAN
LEBANON ELEMENTARY RENOVATION/ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

BG# 22-053

Project No: 2139
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Rev'd By: DS/LMR/RB

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DESIGN DEVELOPMENT

SD5.0

OVERALL PLANTING PLAN

DATE ISSUED:
APRIL 21, 2022

STRUCTURAL NOTES

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

DESIGN CRITERIA

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

   1.1 Building Risk Category: III

2. Design Loads

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

Partitions	20 psf (except when LL 80 psf and greater)
General Ground Floor Areas	100 psf
Corridors:	
- Corridors Above 1st Floor	80 psf
Public Rooms/Corridors	100 psf
Classrooms	40 psf
Mechanical Rooms	125 psf

   2.2 Concentrated Floor Live Loads (distributed over 2.5 ft x 2.5 ft, UNO)

Schools	1,000 lbs

   2.3 Roof Loads

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

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

   2.4 Wind Loads: Basic Wind Speed V(ult)=120 mph; V(asd)= 93 mph

   2.4.1 Component and Cladding Pressures: See sheets S0.4

   2.5 Earthquake Loads
   Seismic Importance Factor, I = 1.25
   Mapped Spectral Response Accelerations, Ss and S1 = 0.192 and 0.084
   Site Class: C
   Spectral Response Coefficients, Sds and Sd1 = 0.154 and 0.095
   Seismic Design Category: B
   Basic Seismic-Force-Resisting System: Ordinary Reinforced Masonry Shear Walls
   Seismic Response Coefficient, Cs = 0.096
   Response Modification Factor, R = 2.0
   Analysis Procedure: Equivalent Lateral Force Procedure

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

GENERAL

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

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

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

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

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

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

   4.3 Equipment/Framing Verification

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

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

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

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

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

5. Existing and Unforeseen Conditions

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

   5.2 Shop drawing submittals shall be based on field verfied dimensions and conditions only. The contractor shall clearly show actual field dimensions on shop drawings.

   5.3 Existing dimensions, elevations and other information shown in the Structural Drawings are based on the following documents:
   Lebanon Elementary School - Gray & Colbin Architects - June 30, 1962

SUBMITTALS

1. Shop Drawings and Submittals

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

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

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

2. Submittals

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

3. Deferred Submittals

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

   3.2 Submittal documents for Deferred Submittals:

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

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

3.3 The following shall be considered Deferred Submittals:
Steel Connections - See "Structural Steel" Section
Steel Joists
Rooftop Unit Anchorage
Guardrails/Handrails

FOUNDATION

1. Geotechnical Report: prepared by LE Gregg Associates, Inc., dated 05/28/2021

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

2. Building Pad Preparation

   2.1 Strip vegetation and topsoil.

   2.2 Undercut undocumented fill and replace with engineered fill. See specifications.

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

3. Soil Bearing Capacity: Isolated Footings 2,000 psf
   Continuous Footings 2,000 psf

   3.1 Footings shall not bear on rock. Remove rock, if any, for a depth of 1 foot below footing bearing elevation.

REINFORCEMENT

1. Reinforcing Bars: ASTM A615, Grade 60

   1.1 Reinforcing bars are not to be welded.

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

3. Reinforcement Placement (UNO)

   3.1 Concrete Reinforcement Cover

Below Grade:	Unformed	3"	clear
	Formed	2"	clear

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

4. Reinforcement Splices

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

   4.2 Splice Lengths (UNO)
   Concrete Reinforcement: See Lap Splice Tables in Drawings
   Masonry Reinforcement: See Details

CAST-IN-PLACE CONCRETE

1. Concrete Properties

   1.1 Normal Weight Structural Concrete

	28-Day, f'c (min)	w/cm Ratio (max.)	Entrained Air
Footings (Isolated/Continuous)	3,000 psi	----	None Required
Foundation Walls, Pedestals	3,000 psi	----	None Required
Slabs on Grade	3,500 psi	0.48	None Required
Columns	4,000 psi	0.50	None Required
Slabs on Steel Forms	3,000 psi	0.48	None Required
Mechanical Equipment Pads:			
Interior	3,000 psi	----	None Required
Exterior	3,000 psi	----	5.0 +/- 1.5%
All Other Concrete	5,000 psi	0.40	5.0 +/- 1.5%
Aggressive Environment:			
Site patio wall	5,000 psi	0.40	6.0 +/- 1.5%

   Note: All concrete shall be assigned the exposure classes F0, S0, W0, and C0; except concrete in Aggressive Environment shall be assigned the exposure classes F3, S1, W1, and C2 (see ACI 318).

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

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

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

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

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

6. Curing

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

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

STRUCTURAL INDEX

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S0.2	STRUCTURAL NOTES CONTINUED
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S0.4	WIND PRESSURE DIAGRAM PLAN
S1.1	FOUNDATION PLAN - AREA A
S1.2	FOUNDATION PLAN - AREA B
S1.3	ROOF FRAMING PLAN - AREA A
S1.4	ROOF FRAMING PLAN - AREA B
S2.1	FOUNDATION SECTIONS AND DETAILS
S2.2	FOUNDATION SECTIONS AND DETAILS
S3.1	MASONRY SECTIONS AND DETAILS
S3.2	MASONRY SECTIONS AND DETAILS
S3.3	MASONRY SECTIONS AND DETAILS
S4.1	FRAMING SECTIONS AND DETAILS
S4.2	FRAMING SECTIONS AND DETAILS

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SDG Project No. 2021-321.00

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STRUCTURAL NOTES
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P. Engineer:
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Rev'd By:	CH / DH

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STRUCTURAL NOTES

DATE ISSUED:
MAY 4, 2022

STRUCTURAL NOTES CONTINUED

NON-SHRINK GROUTING

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

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

CONCRETE MASONRY

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

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

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

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

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

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

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

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

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

8. Dovetail Anchors: At 16" vert., UNO, where CMU walls abut concrete surfaces.

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

STRUCTURAL STEEL

1. Steel Shapes

   1.1 W-Shapes: ASTM A992 (Grade 50)

   1.2 Angles, Channels, Plates, UNO: ASTM A36

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

   1.4 Pipe Structural Sections: ASTM A53, Grade B

2. Anchor Rods, Bolts, and Studs

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

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

   2.3 The following connections are slip-critical:
   End plate connections
   Hanger connections
   Any field modified connection
   Connections indicated as slip-critical (SC)

   2.4 Headed Studs: ASTM A108. See Details for Diameter, Length and Spacing. Length given is in-place length after burn-off.

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

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

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

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

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

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

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

STRUCTURAL STEEL, continued

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

7. Galvanizing

   8.1 Galvanize environmentally exposed steel, for example mechanical equipment supports and screenwalls.

   8.2 Galvanize shelf angles that support the exterior building veneer, for example brick shelf angles.

   8.3 Touch-up welds and abrasions in galvanized members in accordance with ASTM A780.

POST-INSTALLED ANCHORS

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

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

3. For Anchoring into Concrete

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

   3.2 Screw Anchors: Simpson Titen-HD (Concrete: ICC-ES ESR-2713; Grouted Masonry: ICC-ES ESR-1056) or DeWalt Screw Bolt+ (ICC-ES ESR-3889), Hilti Kwik HUS-EZ (ICC-ES ESR-3027).
   Minimum Embedment = 6 times anchor diameter, UNO.

   3.3 Adhesive Anchors

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

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

      3.3.3 Adhesive conforming to Simpson Set-XP (IAPMO-UES ER-263), Simpson SET-XP (ICC-ES ESR-2508), DeWalt/Powers Pure110+ (ICC-ES ESR-3298), Powers DeWalt AC200+ Adhesive (ICC-ES ESR-4027), Hilti HIT-HY 200 Safe Set Fast Cure Adhesive (ICC-ES ESR-3187), Hilti HIT-RE 500 V3 Safe Set Adhesive (ICC-ES ESR-2322).
      Minimum Embedment = 12 times anchor diameter, UNO.

4. For Anchorage into Solid Grouted Concrete Masonry

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

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

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

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

STEEL JOISTS

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

   1.1 Net Uniform Uplift Design Load for Roof Joists = See Sheets S0.4

   1.2 Bridging shall be designed to fully brace top chord of joists under service loads for roof joists not braced by steel roof deck.

   1.3 Top chord extensions or extended ends are to be designed for the same tabulated uniform loads used in the design of the associated joists plus a concentrated load of 300 pounds at the end of the of the extension or extended end, unless noted otherwise on the Drawings.

2. Design of steel joists, bridging, and their connections shall be the sole responsibility of the Contractor. Submit shop drawings sealed by an Engineer licensed in the project state.

3. Contractor shall coordinate the construction and erection of walls, beam framing, steel decking, etc. to ensure compatibility of roof and wall systems considering pitch and camber of steel joists.

STEEL DECK

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

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

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

ANCHORAGE AND BRACING OF NON-STRUCTURAL COMPONENTS

1. Rooftop Structures and Equipment

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

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

2. MP&E Suspended Components

   2.1 Pipe and conduit loads supported by "C" clamps at the edge of structural steel beam flanges cannot exceed 500 pounds.

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

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

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

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

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NOT FOR CONSTRUCTION

Structural Design Group
220 Great Circle Road Suite 106
Nashville, TN 37228
p 615.255.5537
SDG Project No. 2021-22.100

STRUCTURAL NOTES CONTINUED
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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BG# 22-053

Project No:	2139
Drawn By:	CCA
Rev'd By:	CH / DH

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DESIGN DEVELOPMENT

S0.2

STRUCTURAL NOTES CONTINUED
DATE ISSUED:
MAY 4, 2022

STRUCTURAL QUALITY ASSURANCE PLAN

GENERAL

This Structural Quality Assurance Plan includes:

1. The Statement of Special Inspections which defines the scope of testing and inspection that is required for this project.
2. The responsibilities of the Contractor.

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

Special Inspector will be hired by the Owner.

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

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

STATEMENT OF SPECIAL INSPECTIONS

Special Inspector shall perform the following tests and inspections of all structural elements included within this Statement of Special Inspections.

1. The following tables contain material, components and work that require special inspection or testing:
   a. Inspection Frequency, C – Continuous special inspection. Special inspection by the special inspector who is present when and where the work to be inspected is being performed.
   b. Inspection Frequency, P – Periodic special inspection. Special inspection by the special inspector who is intermittently present where the work to be inspected has been or is being performed. For structural steel, observe the items on a random basis.
   c. See Steel section for additional information for inspection tasks.

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

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

NON-SHRINK GROUTING	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Compressive strength tests per ASTM C1107. a. Number of Tests; One test for each ten bags of grout used or minimum of one test of each day of grouting. b. Cube Size: 2-inch x 2-inch c. Test Schedule: (1) cube at 30days, (2) cubes at 7-days, (3) cubes at 28-days.	C	
2. Perform one performance evaluation test prior placing grout under baseplates. Test shall be performed as outlined in ACI 351.1R-99	P	One test shall be performed at the beginning of the job prior to placement of grout under base plates.

CONCRETE MASONRY Level II-(Risk Cat. I, II or III Structures using Engineered methods, Non-Empirical)	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Prior to construction, verification of compliance of submittals.	Required	TMS 602 - Art. 1.4 B
2. Prior to construction, verification of f ′m	Required	TMS 602 - Art. 1.4 B
3. During construction, verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.	Required	TMS 602 - Art. 1.5 & 1.6.3
4. As masonry construction begins, verify that the following are in compliance:		
a. Proportions of site-prepared mortar	P	TMS 602 - Art. 2.1, 2.6 A, & 2.6 C
b. Grade, type and size of reinforcement, connectors, and anchor bolts	P	TMS 602 - Art. 3.4 & 3.6 A
c. Sample panel construction	P	TMS 602 - Art. 1.6 D
5. Prior to grouting, verify that the following are in compliance:		
a. Grout space	P	TMS 602 - Art. 3.2 D & 3.2 F
b. Placement of reinforcement, connectors, and anchor bolts	P	TMS 602 - Art. 3.2 E & 3.4 TMS 402 Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7
c. Proportions of site-prepared grout	P	TMS 602 - Art. 2.6 B & 2.4 G.1.b
6. Verify compliance of the following during construction:		
a. Materials and procedures with the approved submittals	P	TMS 602 - Art. 1.5
b. Placement of masonry units and mortar joint construction	P	TMS 602 - Art. 3.3 B
c. Size and location of structural members	P	TMS 602 - Art. 3.3 F
d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	P	TMS 402 - Sec. 1.2.1(e), 6.2.1, & 6.3.1
e. Preparation, construction, and protection of masonry during cold weather (temperature below 40 deg. F) or hot weather (temperature above 90 deg. F)	P	TMS 602 - Art. 1.8 C & 1.8 D
7. Observe preparation of grout specimens, mortar specimens, and/or prisms	P	TMS 602 - Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4B.2.c.3, 1.4 B.3, & 1.4 B.4

STRUCTURAL STEEL	INSPECTION FREQUENCY	REFERENCED STANDARD
Where the following tasks have been be performed by the fabricator's or erector's quality control program in accordance to Chapter N of AISC 360-10, it is permitted that these tasks be coordinated with the Special Inspector so that the inspection functions are performed by only one party. The Special Inspector shall review records of tasks performed by the erector's and fabricator's quality control program to verify completeness.	Obs. - Observe these items on a random basis. Operations need not be delayed pending these inspections. Perf. - Perform these tasks for each welded joint, bolted joint, or member.	
1. Inspection of steel framing to verify compliance with details shown on the approved construction documents including member locations, bracing, stiffening application of joint details at each connection, proper fasteners, etc.	Obs.	AISC 360-10 N5.7
2. Review the material test reports and certifications as listed below for compliance with the construction documents.	Perf.	AISC 360-10 N5.2 & N3.2
a. Main structural steel material test reports		
b. Anchor rods and threaded rods test reports		
c. Headed stud anchors - manufacturer's certifications		
3. Visual Inspection Tasks Prior to Welding		AISC 360-10 Table N5.4-1
a. Welder qualification records and continuity records	Obs.	
b. Welding procedure specifications (WPSs) available	Perf.	AWS D1.1/D1.1M 6.3
c. Manufacturer certifications for welding consumables available.	Perf.	
d. Material identification (type/grade)	Obs.	AWS D1.1/D1.1M 6.2
e. Welder identification system. The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.	Obs.	AWS D1.1/D1.1M 6.4 (welder qualification) (identification system not required by AWS D1.1/D1.1M)
f. Fit-up of groove welds (including joint geometry)	Obs.	ASW D.1/D1.1M 6.5.2, 5.17
i. Joint preparation		
ii. Dimensions (alignment, root opening, root face, bevel)		AWS D1.1/D1.1M 6.5.2
iii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.22
iv. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.15
v. Backing type and fit (if applicable)		AWS D1.1/D1.1M 5.18
g. Configuration and finish of access holes	Obs.	AWS D1.1/D1.1M 5.10, 5.22.1.1
h. Fit-up of CJP groove welds of HSS T-, Y-, and K-joints without backing	Obs.	
i. Joint preparation		AWS D1.1/D1.1M 6.5.2
ii. Dimensions (alignment, root opening, root face, bevel)		AWS D1.1/D1.1M 5.22
iii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.15
iv. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.18
h. Fit-up of fillet welds	Obs.	
i. Dimensions (alignment, gaps at root)		AWS D1.1/D1.1M 5.22.1
ii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.15
iii. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.18
i. Check welding equipment	Obs.	Only required for shop Fabrication.
4. Visual Inspection Tasks During Welding		AISC 360-10 Table N5.4-2
a. Use of qualified welders	Obs.	AWS D1.1/D1.1M 6.4
b. Control and handling of welding consumables	Obs.	
i. Packaging		AWS D1.1/D1.1M 5.3.1
ii. Exposure control		AWS D1.1/D1.1M 5.3.2 (for SMAW), AWS D.1/D1.1M 5.3.3 (for SAW)
c. No welding over cracked tack welds	Obs.	D1.1/D1.1M 5.3.3 (for SAW)
d. Environmental conditions	Obs.	
i. Wind speed within limits		AWS D1.1/D1.1M 5.12.1
ii. Precipitation and temperature		AWS D1.1/D1.1M 5.12.2
e. WPS followed	Obs.	AWS D1.1/D1.1M 6.3.3, 6.5.2, 5.5, 5.21
i. Setting on welding equipment		
ii. Travel speed		
iii. Selected welding materials		
iv. Shielding gas type/flow rate		
v. Preheat applied		
vi. Interpass temperature maintained (min./max.)		
vii. Proper position (F, V, H, OH)		AWS D1.1/D1.1M 5.6, 5.7
f. Welding techniques	Obs.	AWS D1.1/D1.1M 6.5.2, 6.5.3, 5.24
i. Interpass and final cleaning		
ii. Each pass within profile limitations		AWS D1.1/D1.1M 5.30.1
iii. Each pass meets quality requirements		
5. Visual Inspection Tasks After Welding		AISC 360-10 Table N5.4-3
a. Welds Cleaned	Obs.	AWS D1.1/D1.1M 5.30.1
b. Size, length and location of welds	Perf.	AWS D1.1/D1.1M 6.5.1
c. Welds meet visual acceptance criteria	Perf.	AWS D1.1/D1.1M 6.5.3
i. Crack prohibition		AWS D1.1/D1.1M Table 6.1(1)
ii. Weld/base-metal fusion		AWS D1.1/D1.1M Table 6.1(2)
iii. Crater cross section		AWS D1.1/D1.1M Table 6.1(3)
iv. Weld profiles		AWS D1.1/D1.1M Table 6.1(4), 5.24
v. Weld size		AWS D1.1/D1.1M Table 6.1(6)
vi. Undercut		AWS D1.1/D1.1M Table 6.1(7)
vii. Porosity		AWS D1.1/D1.1M Table 6.1(8)
d. Arc strikes	Perf.	AWS D1.1/D1.1M 5.29
e. k-area: When welding doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75mm) of the weld.	Perf.	AISC 360-10 Table N5.4-3
f. Backing removed and weld tabs removed (if required)	Perf.	AWS D1.1/D1.1M 5.10, 5.31
g. Repair activities	Perf.	AWS D1.1/D1.1M 6.5.3, 5.26
h. Document acceptance or rejection of welded joint or member	Perf.	AWS D1.1/D1.1M 6.5.4, 6.5.5
i. No prohibited welds have been added without the approval of the EOR.	Obs.	

STRUCTURAL STEEL (CONT.)	INSPECTION FREQUENCY	REFERENCED STANDARD
6. Nondestructive Testing (NDT) of Welded Joints	Ultrasonic testing (UT), magnetic particle testing (MT), penetrant testing (PT) and radiographic testing (RT), where required, shall be performed by Special Inspector in accordance with AWS D1.1/D1.1M. NDT of welds completed in a fabricator's shop may be performed by that fabricator when fabricator is AISC Certified or approved by the Building Official where applicable. When the fabricator performs the NDT, the Special inspection agency shall review the fabricator's NDT reports. All NDT of welds completed in the field shall be performed by the Special Inspector. Acceptance criteria shall be in accordance with AWS D1.1/D1.1M for statically loaded structures, unless otherwise designated in the design drawings or project specifications.	
a. UT all complete penetration grove welds subject to transversely applied tension loading in a butt, T- and corner joints in material 5/16" thick or greater	Perf.	AISC 360-10 N5.5b & AISC 341-10 J6.2b
b. Document all NDT performed, identifying tested weld by location in the structure, piece mark and location. Concurrent to submitting NDT reports to EOR or owner submit to contractor.	Perf.	AISC 360-10 N5.5g
c. Review NDT test reports performed by fabricator	Perf.	AISC 360-10 N7
7. Inspection Tasks Prior to Bolting	Perform for 10% of all Snug tight joints if task is applicable and all pretension and slip critical joints. AISC 360-10 Table N5.6-1	
a. Manufacturer's certifications available for fastener materials	Perf.	RCSC 2.1 & 9.1
b. Fasteners marked in accordance with ASTM requirements	Perf.	RCSC Figure C-2.1 & 9.1 (Also See ASTM Standards)
c. Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	Obs.	RCSC 2.3.2, 2.7.2 & 9.1
d. Correct bolting procedure selected for joint detail	Obs.	RCSC 4, & 8
e. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	Obs.	RCSC 3, 9.4 & 9.3
f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used, not required for Snug tight bolts	Obs.	RCSC 7 & 9.2
g. Proper storage provided for bolts, nuts, washers and other fastener components	Obs.	RCSC 2.2,8 & 9.1
8. Inspection Tasks During Bolting	Perform for 10% of all Snug tight joints if task is applicable and all pretension and slip critical joints. Special Inspector need not be present during bolt pretensioning procedures. AISC 360-10 Table N5.6-2	
a. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	Obs.	RCSC 8.1 & 9.1
b. Joint brought to the snug-tight condition prior to the pretensioning operation	Obs.	RCSC 8.1 & 9.1
c. Fastener component not turned by the wrench prevented from rotating	Obs.	RCSC 8.2 & 9.2
d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	Obs.	RCSC 8.2 & 9.2
9. Inspection Tasks After Bolting	Obs.	AISC 360-10 Table N5.6-3
a. Document acceptance or rejection of bolted connections	Perf.	

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

STEEL DECK	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Material verification of steel deck.	P	
a. Identification markings to conform to ASTM standards specified in the approved construction documents	P	
b. Manufacturer's certified test reports.	P	
2. Verify general alignment and deck lap.	P	
3. Verify welds for size and pattern.	P	
4. Inspection of welding at floor and roof deck.	P	In accordance with AWS D1.3
5. Verify spacing and type of sidelap attachments.	P	
6. Inspect welding operations, screw attachment, bolting, anchoring, and other fastening of components within the lateral force resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold downs.	P	

CONTRACTOR RESPONSIBILITIES

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

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NOT FOR CONSTRUCTION

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2870 Sweet Creek Road Suite 106 Nashville, Tennessee 37204 p 615.251.5557 f 615.251.4982

SDG Project No: 2021-321.00

STRUCTURAL QUALITY ASSURANCE PLAN
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
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Lexington, KY 40504
p 859.253.0892

Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
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BG# 22-053

Project No: 2139
Drawn By: CCA
Rev'd By: CH / DH

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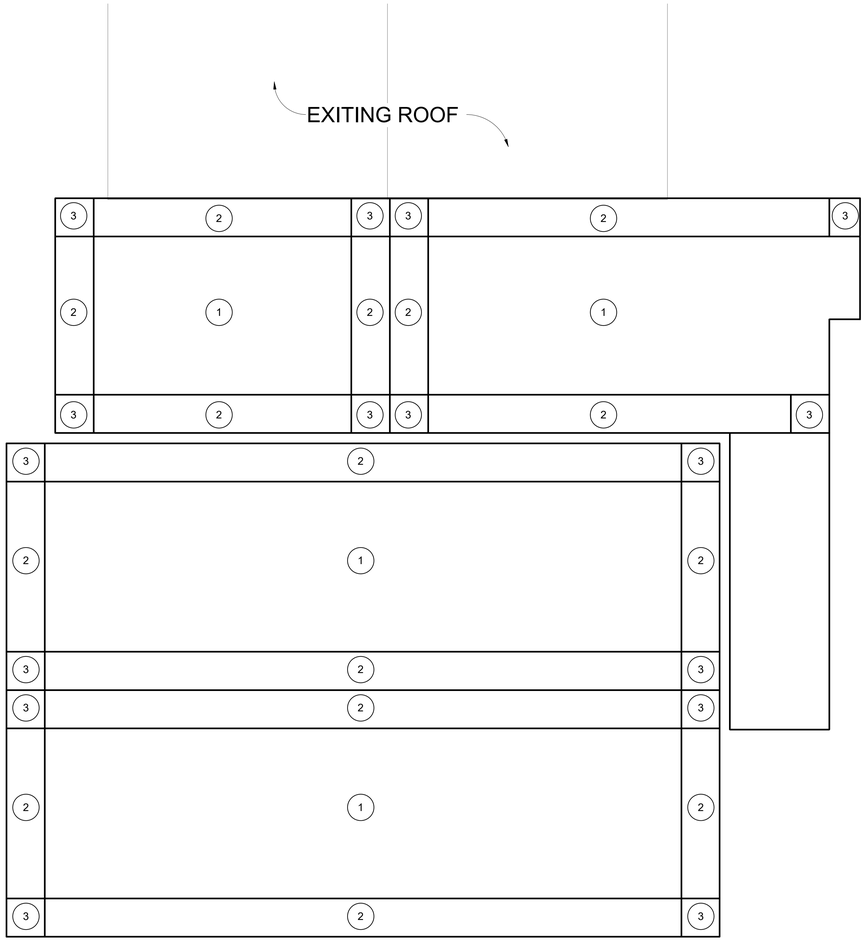
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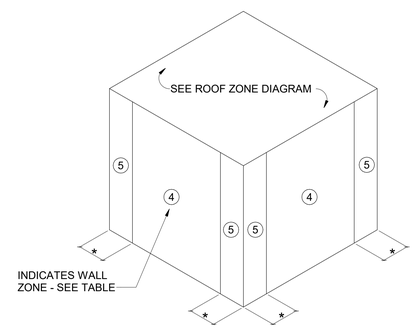
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STRUCTURAL QUALITY ASSURANCE PLAN
DATE ISSUED:
MAY 4, 2022

WIND PRESSURE DIAGRAM





WALL ZONE DIAGRAM

* : SEE PLAN

* = X' - XX"

WIND PRESSURE DIAGRAM NOTES:

1. DESIGN WIND PRESSURES WERE CALCULATED IN ACCORDANCE WITH ASCE 7-10 BASED ON AN EFFECTIVE WIND AREA AND WITH Kd= 0.85 MULTIPLY BY 0.6 FOR ASD
2. ROOF UPLIFT WIND PRESSURES IN ZONES 1, 2, AND 3 ARE GROSS UPLIFT VALUES. NET UPLIFT PRESSURES SHALL BE CONSIDERED EQUAL TO GROSS PRESSURES.
3. TABULATED WIND PRESSURES SHALL BE USED IN THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS. INTERPRETATION AND APPLICATION OF THESE PRESSURES TO SPECIFIC PORTIONS OF THE BUILDING AREAS SHALL BE THE RESPONSIBILITY OF THE EXTERIOR COMPONENT AND CLADDING MATERIAL SUPPLIER.
4. WHERE PARAPET HEIGHT EXCEEDS 3' - 0", CORNER ZONES (ZONE 3), MAY BE TREATED AS PERIMETER ZONES (ZONE 2).
5. SEE STRUCTURAL NOTES FOR FACTORY MUTUAL REQUIREMENTS.

EXTERIOR WALL PRESSURES

AREA (SQ. FT)	ZONE 4 (PSF)	ZONE 5 (PSF)
10		
50		
100		
200		
≥500		

ROOF UPLIFT PRESSURES

AREA (SQ. FT)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)
10	-38		
20	-36		
50	-33		
100	-31		
200	-29		
≥500	-26		

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SDG Project No. 2021-22.100

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WIND PRESSURE DIAGRAM PLAN
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P. Engineer:
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Rev'd By: CH / DH

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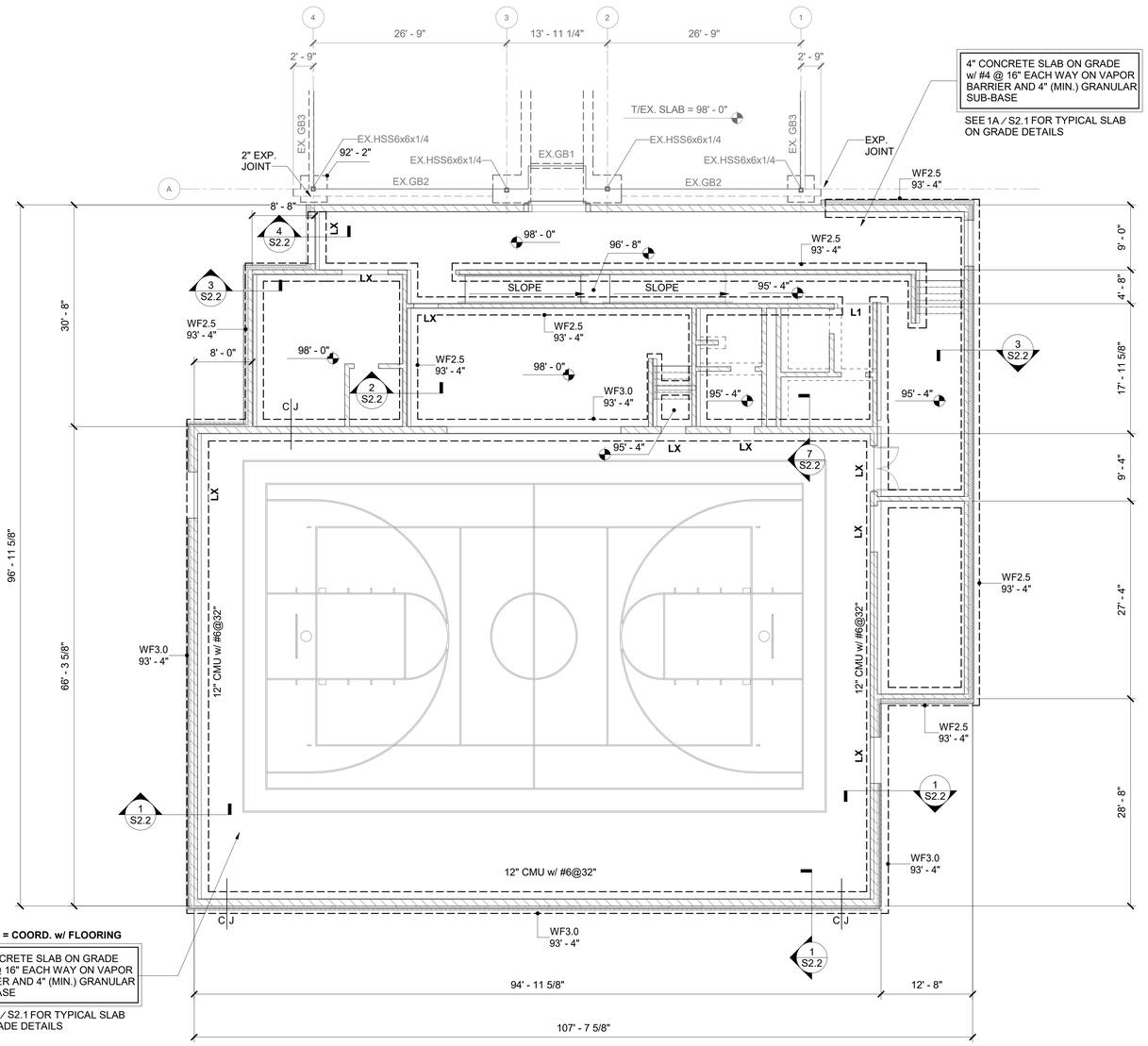
WIND PRESSURE DIAGRAM PLAN
DATE ISSUED:
MAY 4, 2022

FOUNDATION NOTES:

1. WALL REINFORCING FOR FULL HEIGHT OF WALLS IS INDICATED ON PLANS (ie, X" #X@XX", DENOTES CMU/BAR SIZE/BAR SPACING) SEE TYPICAL CMU / WALL REINFORCING DETAIL FOR ADDITIONAL REINFORCING AT OPENINGS, CORNERS, CMU CONTRACTION JOINTS, ETC.
2. WALLS SHOWN ON PLAN WITHOUT REINFORCING INDICATED TO HAVE MINIMUM REINFORCING AS SHOWN IN THE TYPICAL CMU WALL REINFORCING DETAIL.
3. LINTELS ABOVE DOOR AND WINDOW OPENINGS ARE SHOWN ON PLANS. "LX" -SEE CMU LINTEL SCHEDULE FOR SIZE AND REINFORCING.
4. "CBX" -SEE CONCRETE BEAM LINTEL SCHEDULE FOR SIZE & REINFORCING.
5. CJ (CMU CONTRACTION JOINT) SHOWN ON PLANS INDICATES APPROPRIATE LOCATIONS OF CONTRACTION JOINTS. LOCATIONS ARE INTENDED TO COINCIDE WITH CMU COURSING. COORDINATE LOCATION OF JOINTS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF BRICK JOINTS.
6. ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS BEFORE DETAILING AND CONSTRUCTION AR TO BEGIN. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
7. DO NOT LOCATE PLUMBING LINES WITHIN CONCRETE FOOTINGS. FOUNDATION NOTES:

WALL FOOTING SCHEDULE_SMART

MARK	SIZE	REINFORCEMENT		REMARKS
	WIDTH & DEPTH	CONTINUOUS	TRANSVERSE	
WF2.0	2' - 0" x			
WF2.5	2' - 6" x			



FIRST FLOOR PLAN - AREA A

1/8" = 1'-0"

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SDG Project No. 2021-22.100

FOUNDATION PLAN - AREA A

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
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BG# 22-053

Project No:	2139
Drawn By:	CCA
Rev'd By:	CH / DH

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FOUNDATION PLAN - AREA A

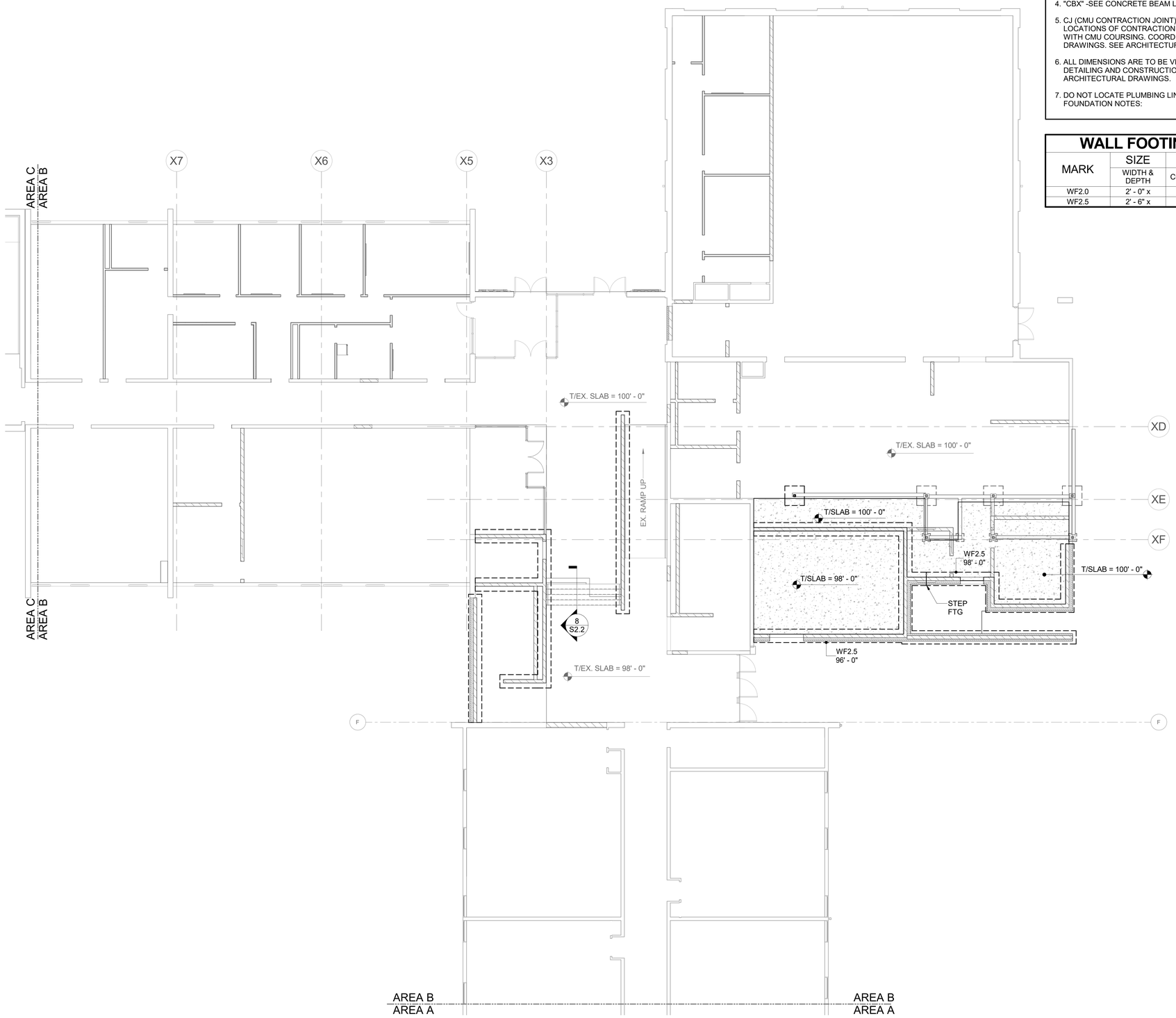
DATE ISSUED:
MAY 4, 2022

FOUNDATION NOTES:

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3. LINTELS ABOVE DOOR AND WINDOW OPENINGS ARE SHOWN ON PLANS. "LX" -SEE CMU LINTEL SCHEDULE FOR SIZE AND REINFORCING.
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6. ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS BEFORE DETAILING AND CONSTRUCTION AR TO BEGIN. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
7. DO NOT LOCATE PLUMBING LINES WITHIN CONCRETE FOOTINGS. FOUNDATION NOTES:

WALL FOOTING SCHEDULE_SMART

MARK	SIZE	REINFORCEMENT		REMARKS
	WIDTH & DEPTH	CONTINUOUS	TRANSVERSE	
WF2.0	2' - 0" x			
WF2.5	2' - 6" x			



FOUNDATION PLAN - AREA B

1/8" = 1'-0"

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FOUNDATION PLAN - AREA B
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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BG# 22-053

Project No:	2139
Drawn By:	CCA
Rev'd By:	CH / DH

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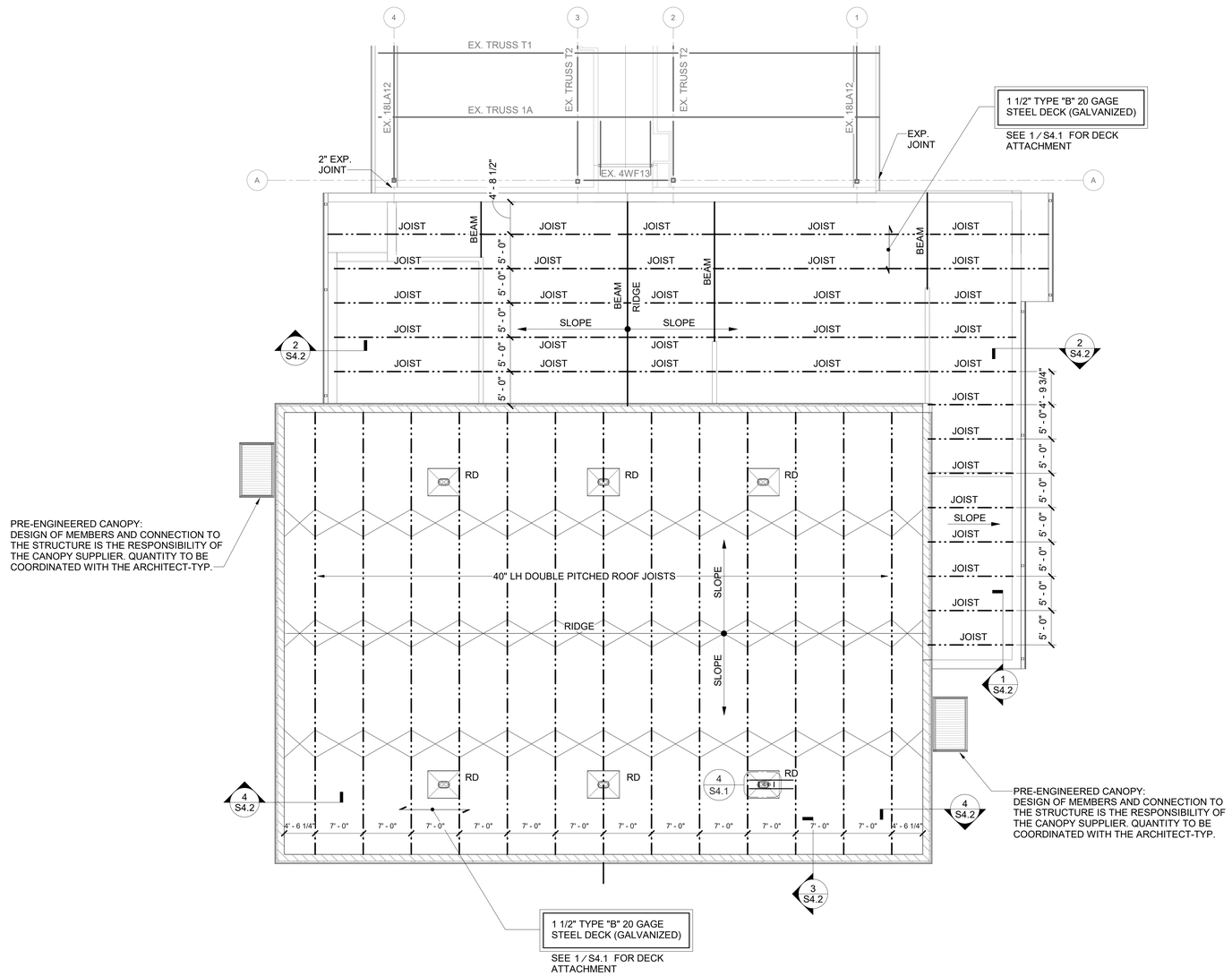
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FOUNDATION PLAN - AREA B

DATE ISSUED:
MAY 4, 2022



ROOF FRAMING PLAN - AREA A

1/8" = 1'-0"

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SDG Project No. 2021-22.100

ROOF FRAMING PLAN - AREA A
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

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Project No:	2139
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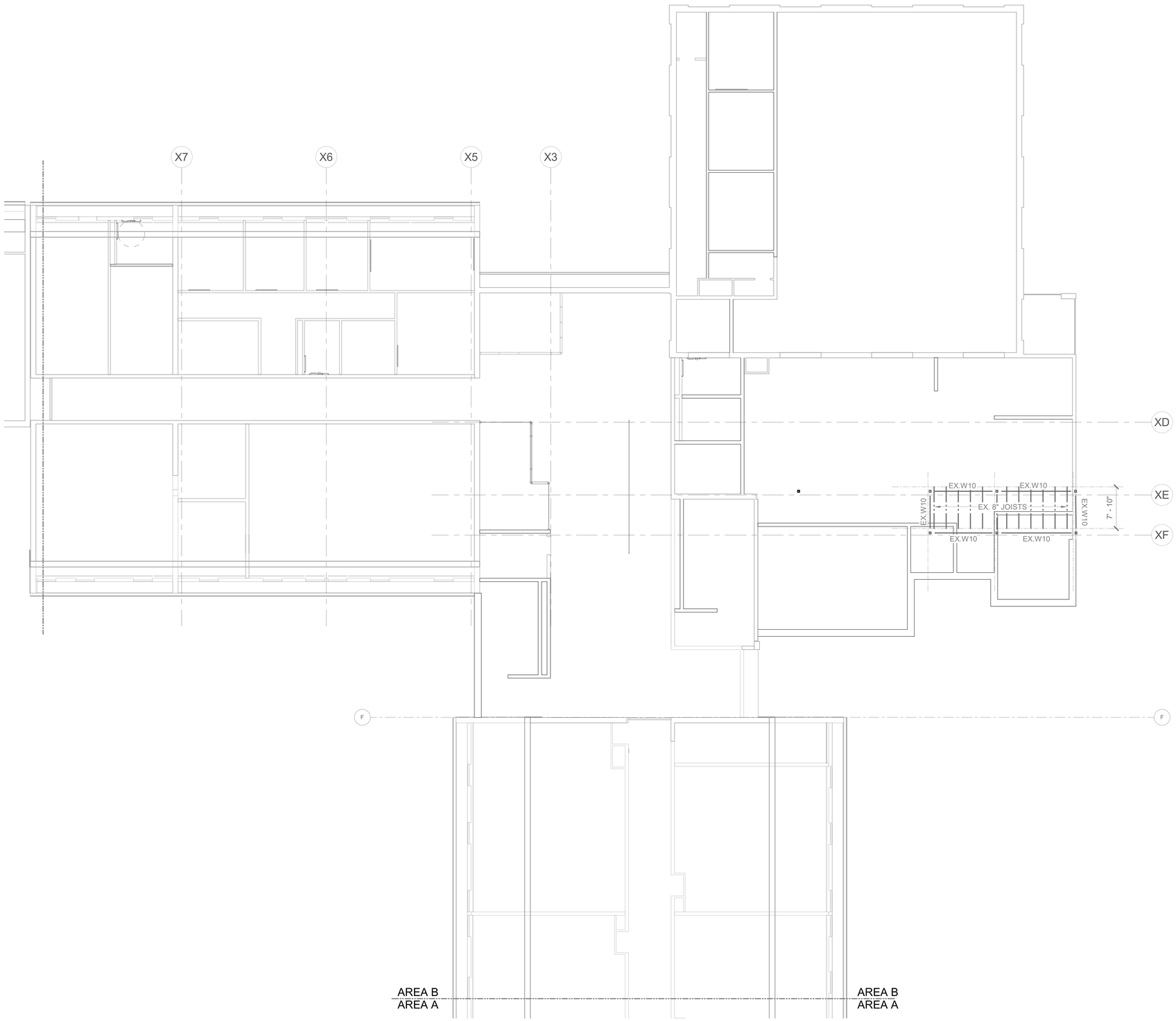
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ROOF FRAMING PLAN - AREA A

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ROOF FRAMING PLAN - AREA B

1/8" = 1'-0"

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ROOF FRAMING PLAN - AREA B

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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BG#	22-053
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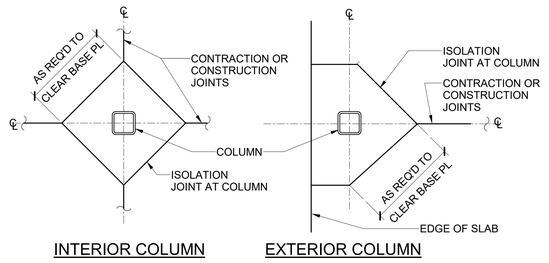
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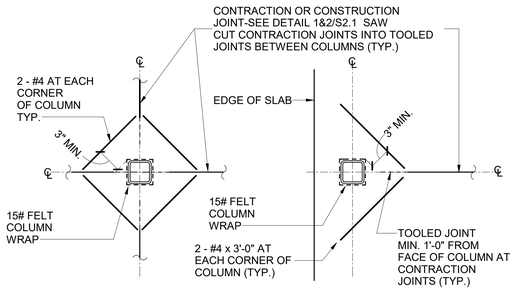
ROOF FRAMING PLAN - AREA B

DATE ISSUED:
MAY 4, 2022



INTERIOR COLUMN EXTERIOR COLUMN

ALTERNATE ISOLATION JOINTS AT COLUMNS
(AT CONTRACTOR'S OPTION)



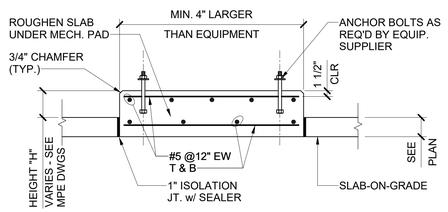
INTERIOR COLUMN EXTERIOR COLUMN

FELT WRAPPED COLUMNS

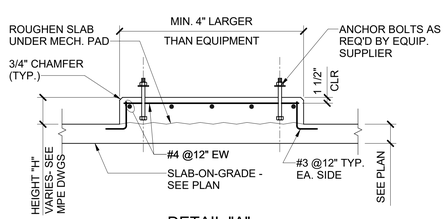
5 TYPICAL ISOLATION JOINT DETAILS AT "HSS" STEEL COLUMNS

NOTE:

1. PAD AND CURB DETAILS DEPICTED ABOVE SHALL APPLY UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS. THE HEIGHT "H" OF THE MECHANICAL EQUIPMENT PADS SHALL BE COORDINATED WITH THE MPE DRAWINGS.
2. THE CONTRACTOR SHALL PROVIDE CONCRETE PADS ADEQUATE FOR THE SUPPORT OF THE MPE EQUIPMENT. EXACT, SIZES, LOCATIONS, HEIGHTS, AND ANY SPECIAL DETAILS FOR THE PADS SHALL BE OBTAINED FROM THE VENDORS BEFORE INSTALLATION OF THE PADS. PADS SHALL BE INSTALLED IN ACCORDANCE WITH THE EQUIPMENT STANDARDS. ALL EMBEDDED ITEMS SHALL BE COORDINATED WITH THE EQUIPMENT SUPPLIER. THE PADS SHALL RECEIVE A SMOOTH TROWELED FINISH.
3. DETAIL 'A' -- FOR USE UNDER ALL EQUIPMENT SUPPORTED ON SLABS-ON-GRADE.
4. DETAIL 'B' -- FOR USE UNDER ALL EQUIPMENT WEIGHING OVER 2000 POUNDS SUPPORTED ON SLABS-ON-GRADE (ISOLATED).

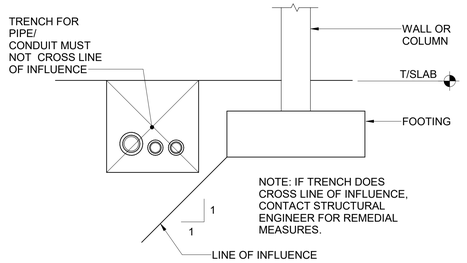


DETAIL "B"

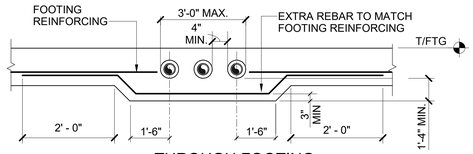


DETAIL "A"

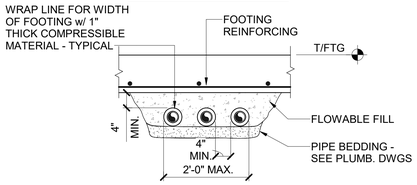
4 EQUIPMENT PAD DETAILS AT SLAB-ON-GRADE



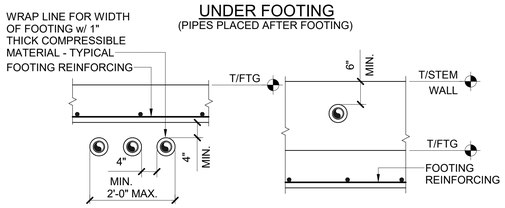
3E PIPE/CONDUIT TRENCH PARALLEL TO FOOTING



THROUGH FOOTING



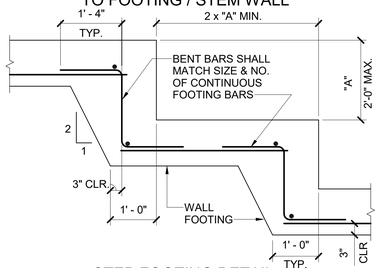
UNDER FOOTING
(PIPES PLACED AFTER FOOTING)



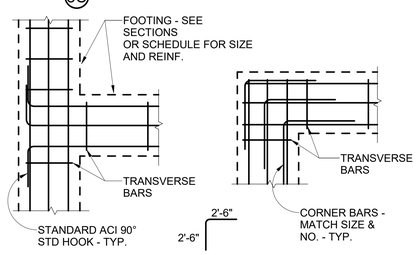
UNDER FOOTING
(PIPES PLACE PRIOR TO FOOTING)

THRU STEM WALL

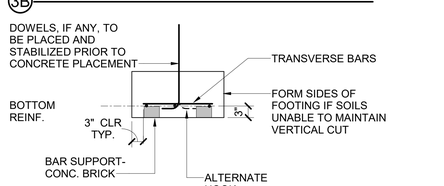
3D PIPE/CONDUIT LINES PERPENDICULAR TO FOOTING / STEM WALL



3C STEP FOOTING DETAIL

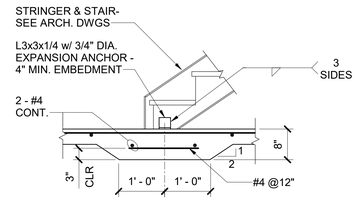


3B FOOTING CORNER REINFORCEMENT

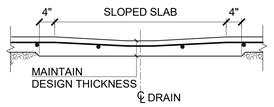


3A TYPICAL CONTINUOUS FOOTING DETAIL

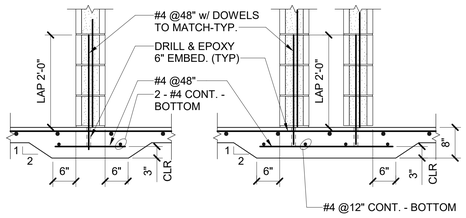
3 TYPICAL CONTINUOUS FOOTING DETAILS



2J THICKENED SLAB-ON-GRADE AT AT STEEL STAIR STRINGERS

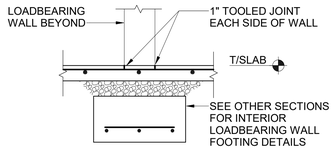


2H SLOPED SLAB AT FLOOR DRAIN

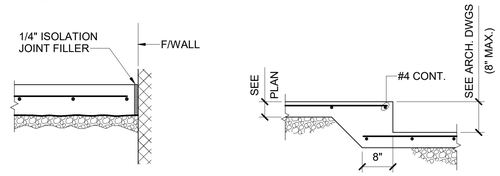


AT CONTINUOUS SLAB AT DOUBLE WALL

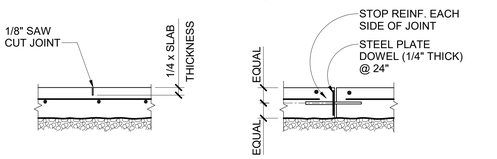
2G THICKENED SLAB AT NON-LOADBEARING CMU WALLS



2F CONTRACTION JOINT AT DOORS

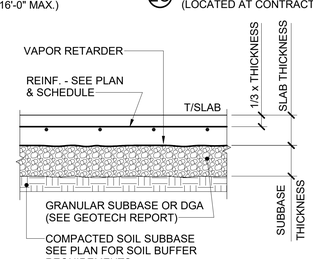


2D ISOLATION JOINT 2E SLAB RECESS



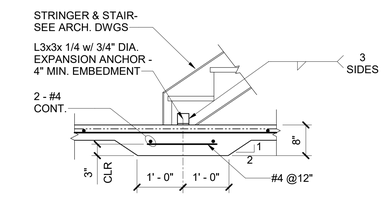
2B CONTRACTION JOINT (AT 16'-0" MAX.)

2C CONSTRUCTION JOINT (LOCATED AT CONTRACTOR'S PREFERENCE)

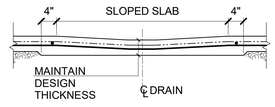


2A TYPICAL SLAB SECTION

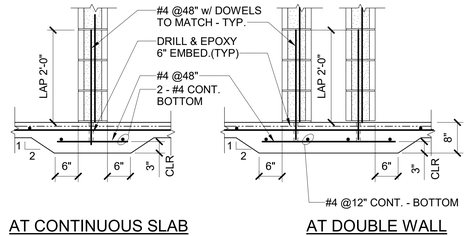
2 TYPICAL SLAB-ON-GRADE DETAILS



1J THICKENED SLAB-ON-GRADE AT STEEL STAIR STRINGERS

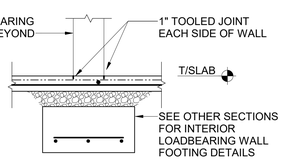


1H SLOPED SLAB AT FLOOR DRAIN

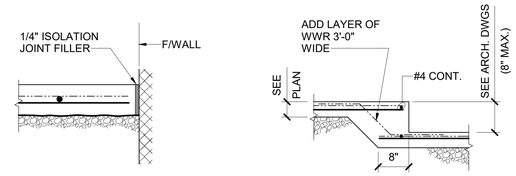


AT CONTINUOUS SLAB AT DOUBLE WALL

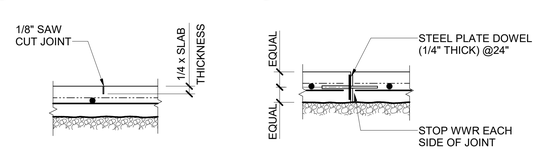
1G THICKENED SLAB AT NON-LOADBEARING CMU WALLS



1F CONTRACTION JOINT AT DOORS

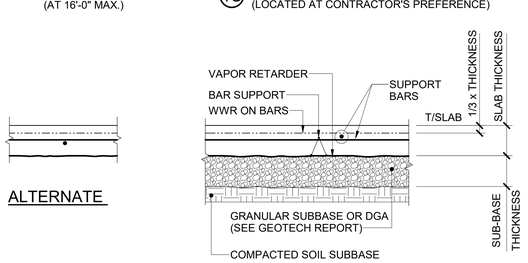


1D ISOLATION JOINT 1E SLAB RECESS



1B CONTRACTION JOINT (AT 16'-0" MAX.)

1C CONSTRUCTION JOINT (LOCATED AT CONTRACTOR'S PREFERENCE)



1A TYPICAL SLAB SECTION

1 TYPICAL SLAB-ON-GRADE DETAILS W/ WWR & REINFORCING @ 48"

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

Structural Design Group
STRUCTURAL ENGINEERS
Tim Tye
tim@sdgnashville.com
p 615.255.5537
SDG Project No. 2021-321.00

FOUNDATION SECTIONS AND DETAILS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
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BG#	22-053
Project No:	2139
Drawn By:	CCA
Rev'd By:	CH / DH

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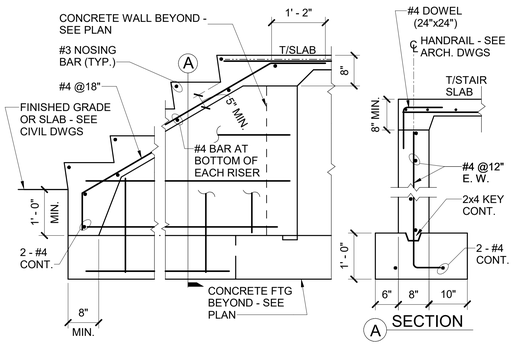
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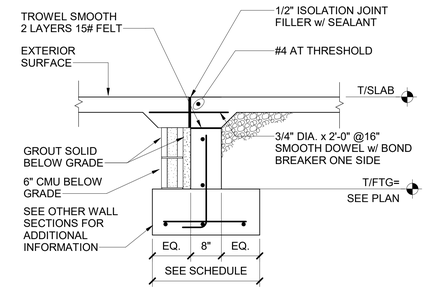
DESIGN DEVELOPMENT

S2.1

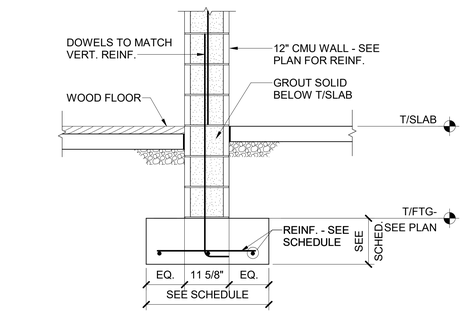
FOUNDATION SECTIONS AND DETAILS
DATE ISSUED:
MAY 4, 2022



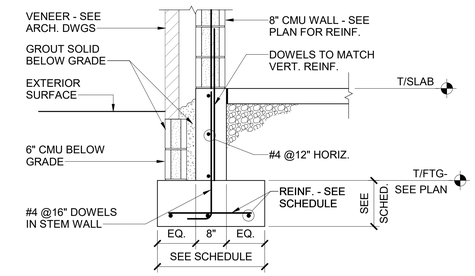
8 CONCRETE STAIR-ON-GRADE



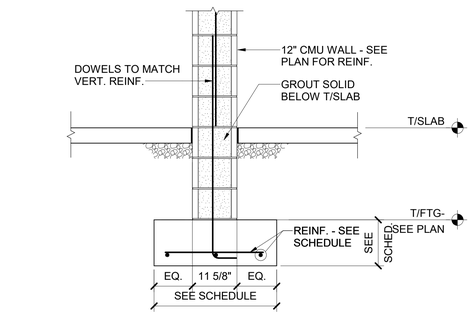
4 SECTION AT DOOR AT 8" CMU WALL



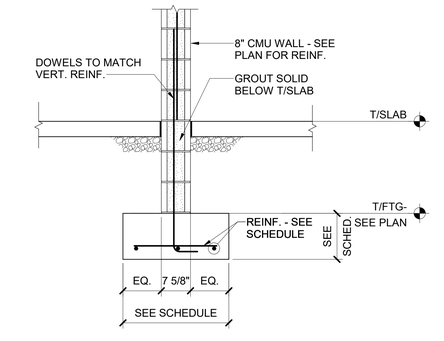
7 SECTION



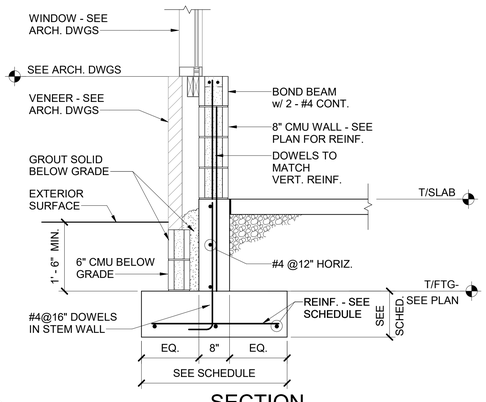
3 SECTION



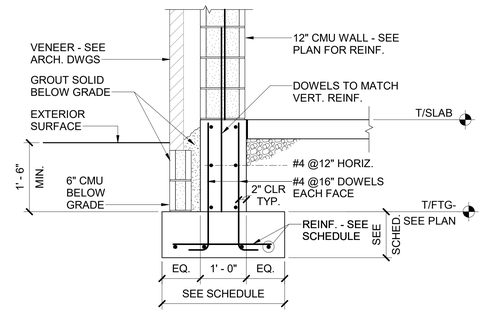
6 SECTION AT INTERIOR LOADBEARING WALL



2 SECTION AT INTERIOR LOADBEARING WALL



5 SECTION



1 SECTION

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

NOT FOR CONSTRUCTION

Structural Design Group
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537
SDG Project No. 2021-321.00

FOUNDATION SECTIONS AND DETAILS

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BG# 22-053

Project No:	2139
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Rev'd By:	CH / DH

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DESIGN DEVELOPMENT

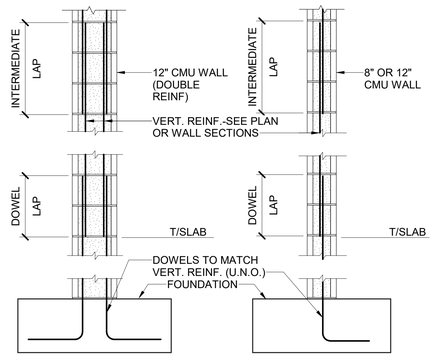
S2.2

FOUNDATION SECTIONS AND DETAILS
DATE ISSUED:
MAY 4, 2022

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

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

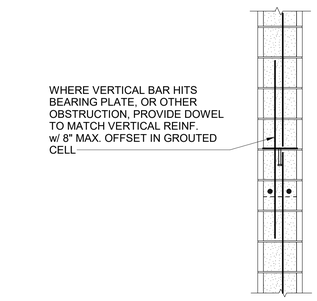
F'm = 2,000 psi (MINIMUM)



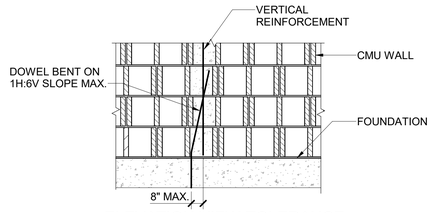
REINF. IN FACE "F" OF WALL

REINF. CENTERED "C" IN WALL

8 CMU REINFORCEMENT LAP SPLICE SCHEDULE

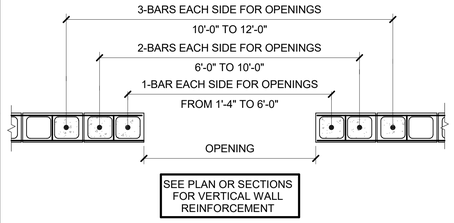


5 NON-CONTACT LAP SPLICE DETAIL

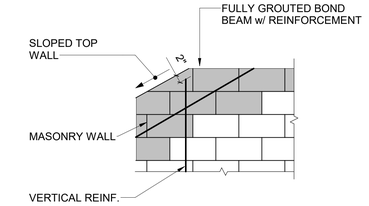


ELEVATION VIEW TOLERANCE

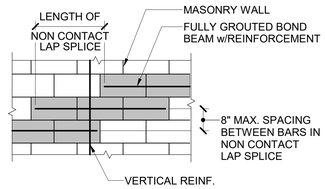
4 DOWEL-PERMITTED BENDING DETAIL



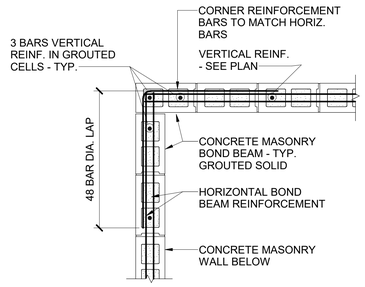
3 CMU WALL OPENING DETAIL



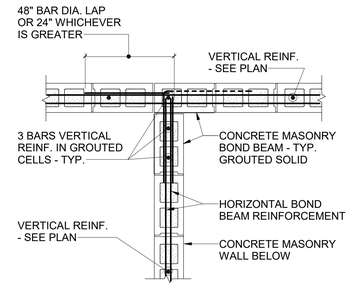
SLOPED BOND BEAM



STEPPED BOND BEAM

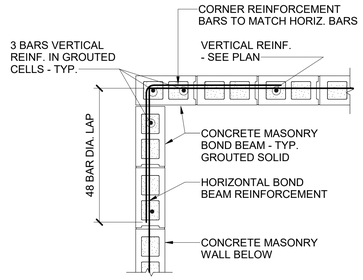


AT CORNERS

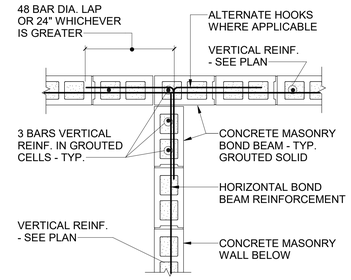


AT INTERSECTIONS

DOUBLE ROW REINFORCEMENT



AT CORNERS

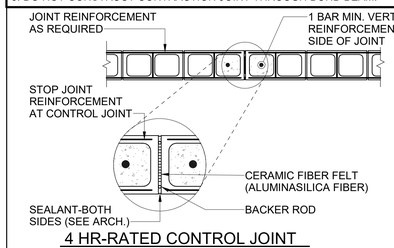


AT INTERSECTIONS

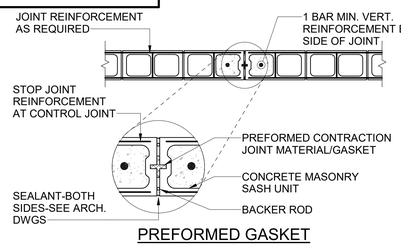
SINGLE ROW REINFORCEMENT

2 CMU BOND BEAM DETAILS

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

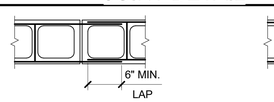


4 HR-RATED CONTROL JOINT (IF NEEDED)

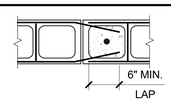


PREFORMED GASKET

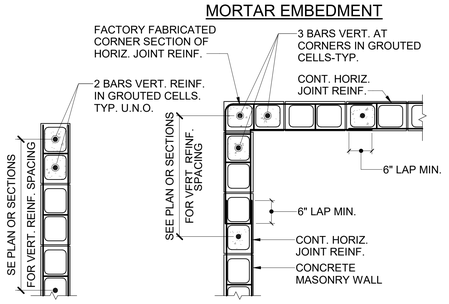
7 CMU WALL CONTRACTION/CONTROL JOINT DETAIL



MORTAR EMBEDMENT

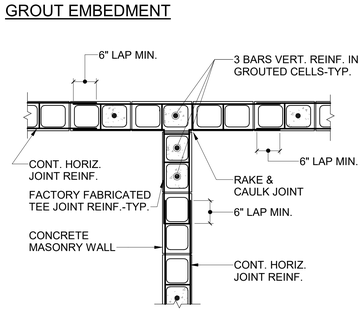


GROUT EMBEDMENT



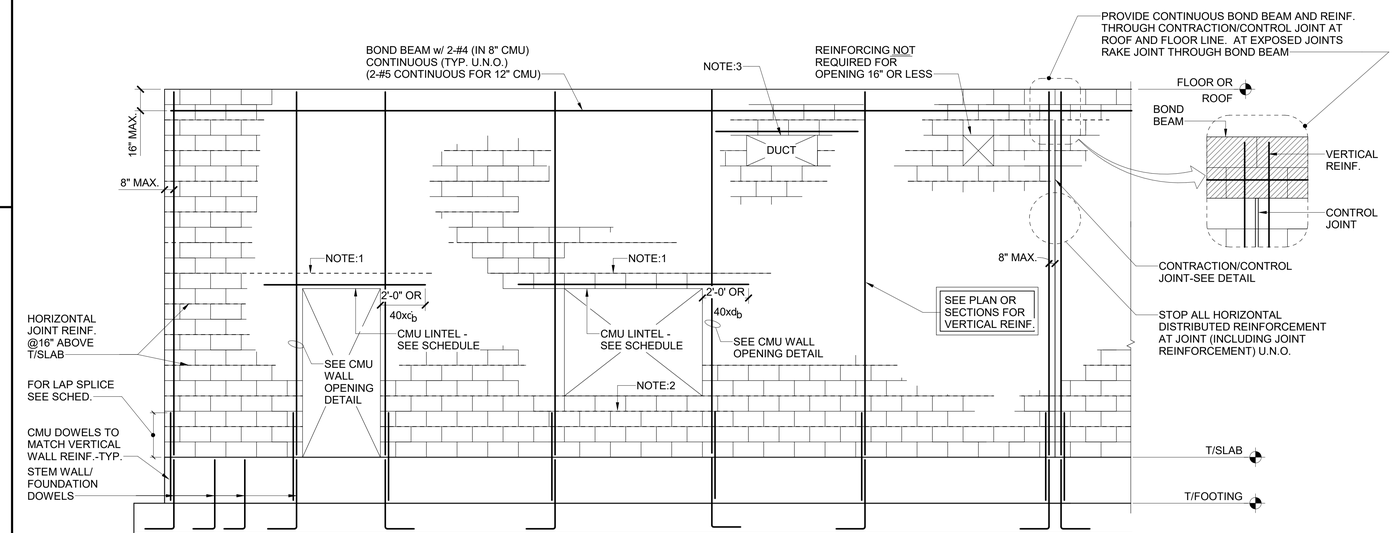
AT ENDS

AT CORNERS



AT INTERSECTIONS

6 CMU WALL HORIZONTAL JOINT REINFORCEMENT DETAIL



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

1 TYPICAL CMU WALL REINFORCING ELEVATION

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

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220 Great Circle Rd. Suite 106
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p 615.255.5537
SDG Project No. 2021-321.00

MASONRY SECTIONS AND DETAILS

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

MARION COUNTY BOARD OF EDUCATION

LEBANON, KENTUCKY

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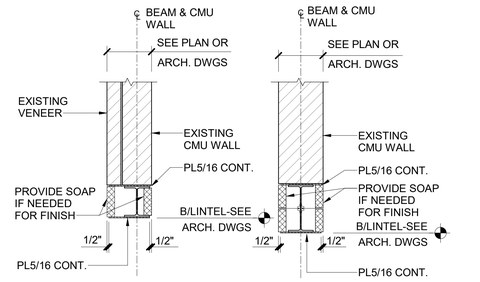
DESIGN DEVELOPMENT

S3.1

MASONRY SECTIONS AND DETAILS

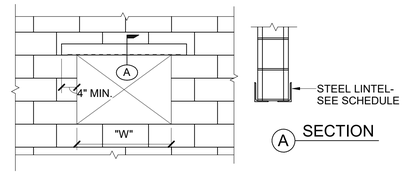
DATE ISSUED:

MAY 4, 2022



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

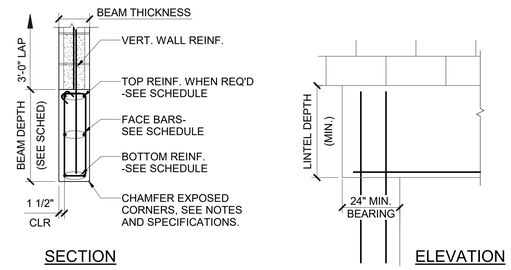
NOTE:
IF LINTEL IS EXPOSED TO VIEW, USE BEAM IN LIEU OF ANGLE.



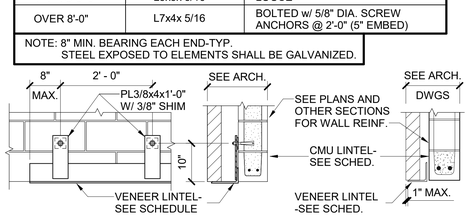
3 TYPICAL LINTEL DETAIL FOR OPENING IN EXISTING CMU WALL

MARKED CONCRETE BEAM LINTEL SCHEDULE						
MARK	WALL THICK'S	LINTEL DEPTH	REINFORCEMENT			
			TOP	BOTTOM	VERTICAL TIES	FACE BARS
CB1	7 5/8"	16"	2-#5	2-#5	#3@10"	---
CB2	7 5/8"	32"	2-#6	2-#6	#3@16"	2 #5
CB3	7 5/8"	20"	2-#5	2-#5	#3@10"	2 #5

NOTE:
1. FILL CMU CORES AT LINTEL BEARING w/ 2500 psi COARSE GROUT REINF. AS SHOWN ON PLANS OR DETAILS
2. ALL EXPOSED CONCRETE LINTELS SHALL HAVE A SMOOTH RUBBED FINISH, SEE ARCHITECTURAL DRAWINGS FOR OTHER REQUIREMENTS



5 CONCRETE BEAM SCHEDULE AND DETAILS



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

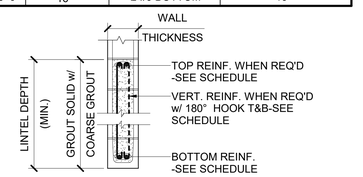
NOTE: 8" MIN. BEARING EACH END-TYP.
STEEL EXPOSED TO ELEMENTS SHALL BE GALVANIZED.

2 VENEER LINTEL SCHEDULE WITH CMU

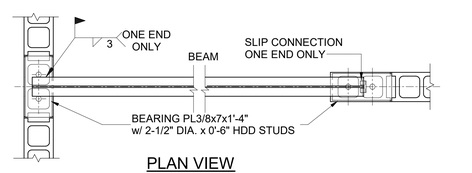
MARKED "LX" CMU LINTEL SCHEDULE						
MARK	WALL THICK'S	LINTEL DEPTH	REINFORCEMENT			
			BOTTOM	TOP	VERTICAL	BEARING END LENGTH
L1	8	8	2-#5	-	-	8"
L2	8	16	2-#5	-	-	8"
L3	8	24	2-#5	-	-	16"
L4	12	16	2-#5	-	-	16"
L5	12	24	2-#6	-	-	16"
L6	8	48	2-#6	2-#5	3 @16	24"

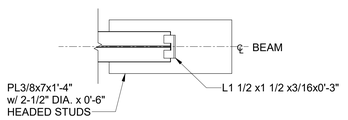
NOTE:
1. FILL CMU CORES AT LINTEL BEARING w/ 2500 psi COARSE GROUT. REINFORCE JAMBS w/ FULL HEIGHT REINFORCING PER CMU WALL OPENING DETAIL.

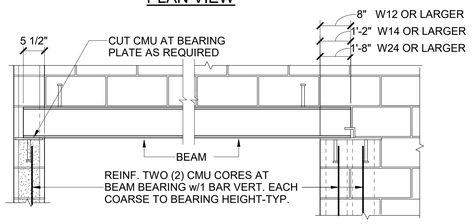
UNMARKED CMU LINTEL SCHEDULE			
WALL OPENING	LINTEL DEPTH	REINFORCING	BEARING END LENGTH
UP TO 4'-0"	8"	2-#4 BOTTOM	8"
4'-1" TO 6'-0"	8"	2-#5 BOTTOM	8"
6'-1" TO 8'-0"	16"	2-#5 BOTTOM	16"
8'-1" TO 10'-0"	16"	2-#6 BOTTOM	16"

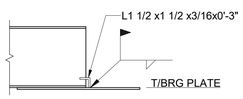


1 CMU LINTEL SCHEDULES AND DETAILS









4 TYPICAL STEEL BEAM BEARING ON CMU WALL

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

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Structural Design Group
220 Great Circle Road Suite 106
Nashville, Tennessee 37228
p 615.255.5537
SDG Project No. 2021-22.100

MASONRY SECTIONS AND DETAILS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
2429 Members Way
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p 859.253.0892
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537

BG# 22-053
Project No: 2139
Drawn By: CCA
Rev'd By: CH / DH

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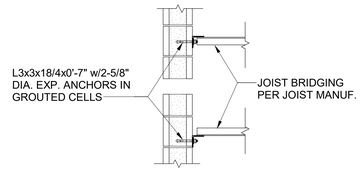
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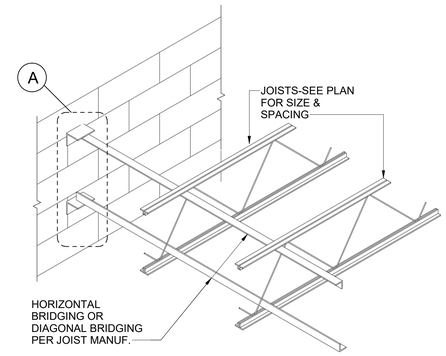
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MASONRY SECTIONS AND DETAILS
DATE ISSUED:
MAY 4, 2022

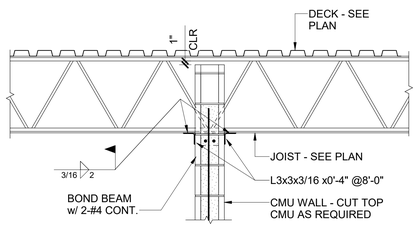
NOTE:
1. DO NOT WELD BRIDGING TO JOIST WEB MEMBERS.
2. DO NOT HANG ANY MECHANICAL, ELECTRICAL, ETC. FROM BRIDGING.



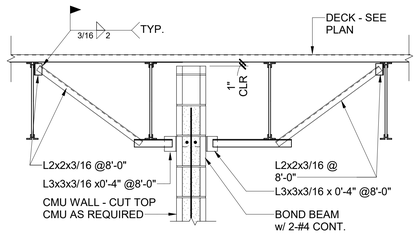
A DETAIL



3 JOIST BRIDGING DETAIL

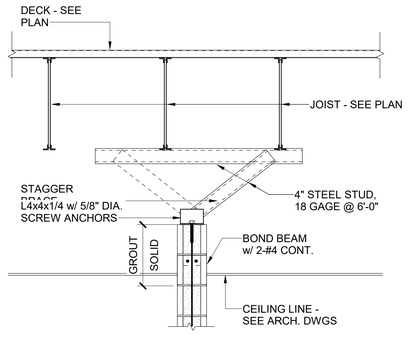


1D CMU PERPENDICULAR TO JOIST

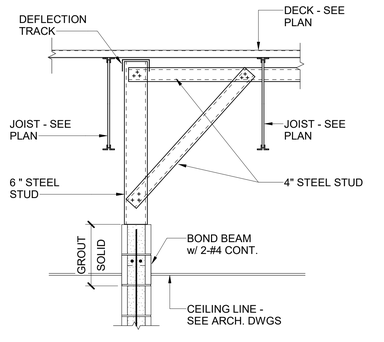


1B CMU PARALLEL TO JOIST

WALLS EXTEND TO UNDERSIDE OF DECK



1C CMU PARALLEEL TO DECK



1A CMU PARALLEL TO DECK

WALLS NOT TO EXTEND TO UNDERSIDE OF DECK

NOTE:
1. REFER TO ARCH. DRAWINGS FOR HEIGHT OF WALL.
2. PROVIDE BRACING AT TOP OF ANY WALL WHEN THE LENGTH OF THE WALL BETWEEN INTERSECTING WALLS EXCEEDS 20 FEET.

1 TYPICAL CMU PARTITION BRACING DETAILS WITH STEEL JOISTS TO ROOF

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

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220 Great Circle Road Suite 106 Nashville, Tennessee 37228 p 615.255.5537 f 615.255.5582
SDG Project No. 2021-22.00

MASONRY SECTIONS AND DETAILS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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Structural Engineer:
Structural Design Group, Inc.
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BG# 22-053

Project No:	2139
Drawn By:	CCA
Rev'd By:	CH / DH

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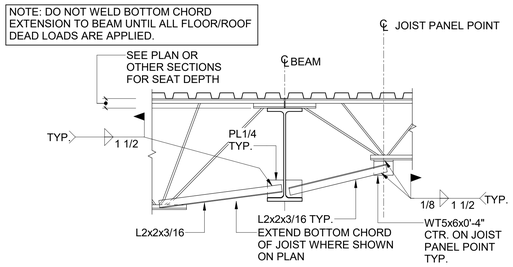
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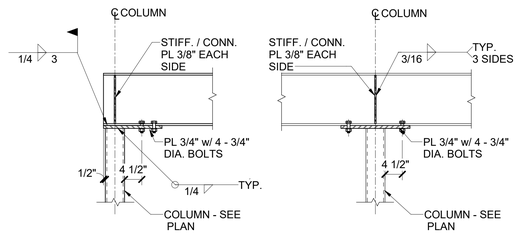
MASONRY SECTIONS AND DETAILS
DATE ISSUED:
MAY 4, 2022



WHERE JOIST DEPTH IS GREATER THAN BEAM

WHERE JOIST DEPTH IS LESS THAN BEAM

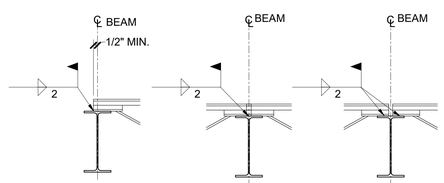
8 JOIST BOTTOM CHORD EXTENSION DETAIL



AT END COLUMN

AT INTERMEDIATE COLUMN

7 BEAM TO HSS COLUMN CONNECTION FOR CONTINUOUS BEAMS



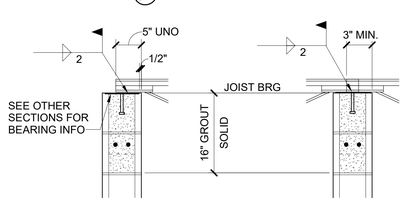
FLANGE WIDTH LESS THAN 5"

FLANGE WIDTH GREATER THAN 5"

BEAM ONE SIDE ONLY

BEAM BOTH SIDES

8B AT STEEL

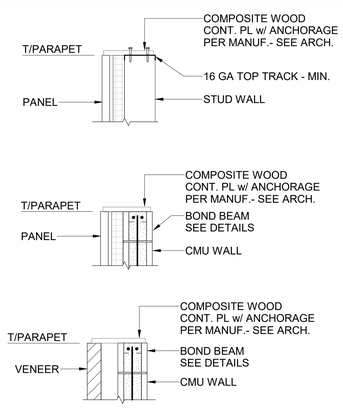


JOIST ONE SIDE ONLY

JOIST BOTH SIDES

8A AT CMU

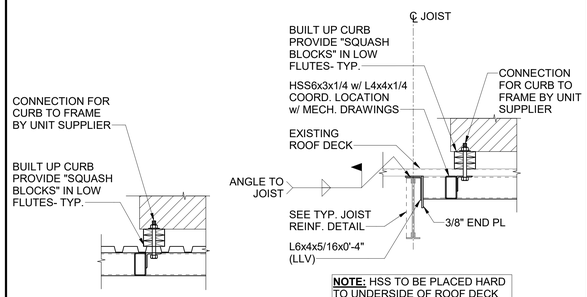
6 TYPICAL JOIST BEARING DETAILS

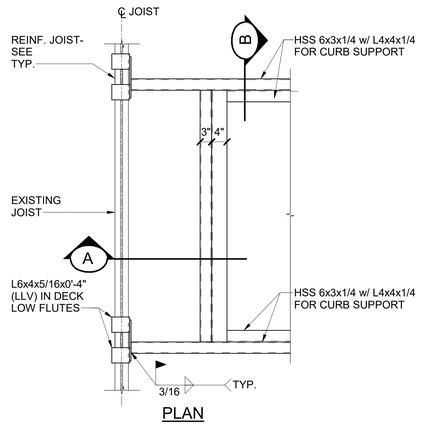


9 TYPICAL PARAPET DETAILS

CM NOTE:
TREAT DECK AND JOISTS IN POOL AND POOL EQUIPMENT AREAS. SEE ARCH FOR PAINT/FINISH REQUIREMENTS.

NOTE:
SEE ARCH. DWGS FOR ROOFING REQUIREMENTS AROUND CURB.



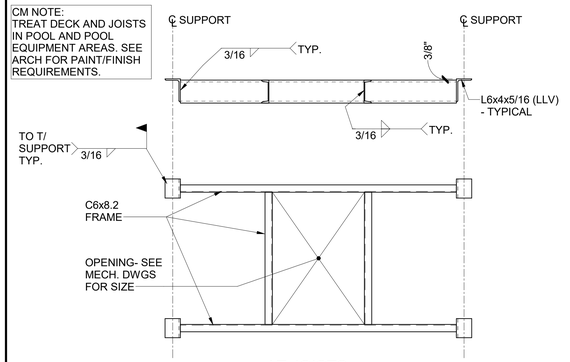


PLAN

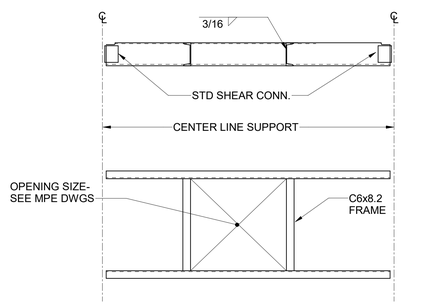
TYPICAL DETAILS AT ROOF TOP UNITS

5 ROOF FRAMING DETAILS AT MECHANICAL UNITS

CM NOTE:
TREAT DECK AND JOISTS IN POOL AND POOL EQUIPMENT AREAS. SEE ARCH FOR PAINT/FINISH REQUIREMENTS.

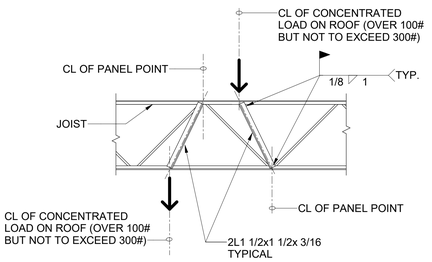


AT JOISTS



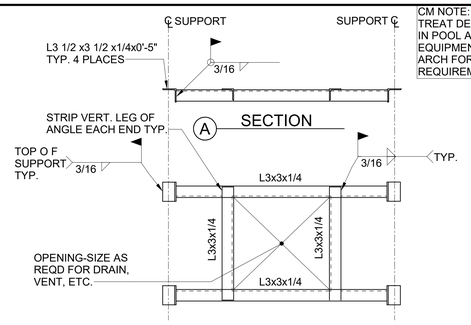
AT BEAMS

4 CHANNEL ROOF OPENING FRAME

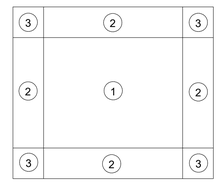


3 TYPICAL JOIST REINFORCEMENT FOR CONCENTRATED LOADS

CM NOTE:
TREAT DECK AND JOISTS IN POOL AND POOL EQUIPMENT AREAS. SEE ARCH FOR PAINT/FINISH REQUIREMENTS.



2 ROOF OPENING FRAME FOR OPENINGS UP TO 14" AS NOTED



ROOF PLAN

ZONE LEGEND

1 INTERIOR ZONE

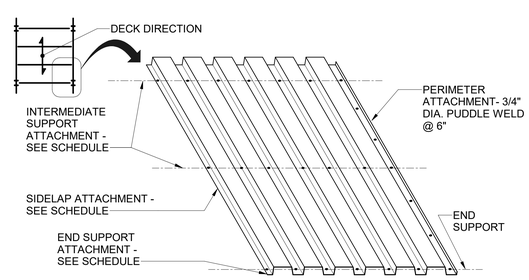
2 PERIMETER ZONE

3 CORNER ZONE

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

ROOF DECK ATTACHMENT SCHEDULE

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



1 1/2" TYPE "B" DECK - GALVANIZED G-60

NOTE:
PROVIDE VENTED ROOF DECK COORD W/ LIGHT-WEIGHT INSULATED MANUF.

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

rosstarrant architects
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220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537

SDG Project No. 2021-22.00

FRAMING SECTIONS AND DETAILS

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

MARION COUNTY BOARD OF EDUCATION

LEBANON, KENTUCKY

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2429 Members Way
Lexington, KY 40504
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Structural Engineer:
Structural Design Group, Inc.
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Nashville, TN 37228
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BG# 22-053

Project No:	2139
Drawn By:	CCA
Rev'd By:	CH / DH

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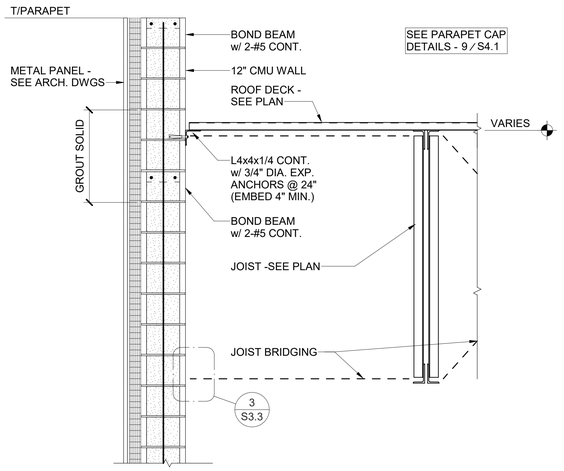
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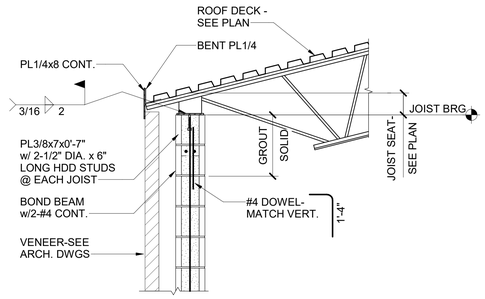
S4.1

FRAMING SECTIONS AND DETAILS

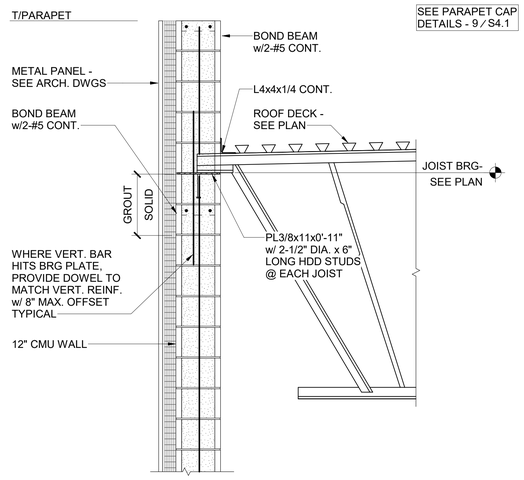
DATE ISSUED: MAY 4, 2022



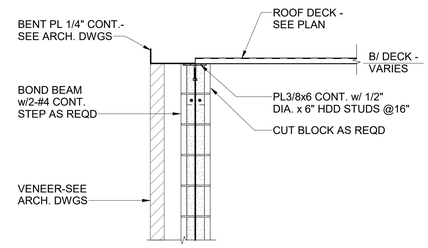
3 SECTION



2 SECTION



4 SECTION



1 SECTION

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

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220 Great Circle Road Suite 106
Nashville, Tennessee 37228
p 615.255.5537

SDG Project No. 2021-22.100

FRAMING SECTIONS AND DETAILS

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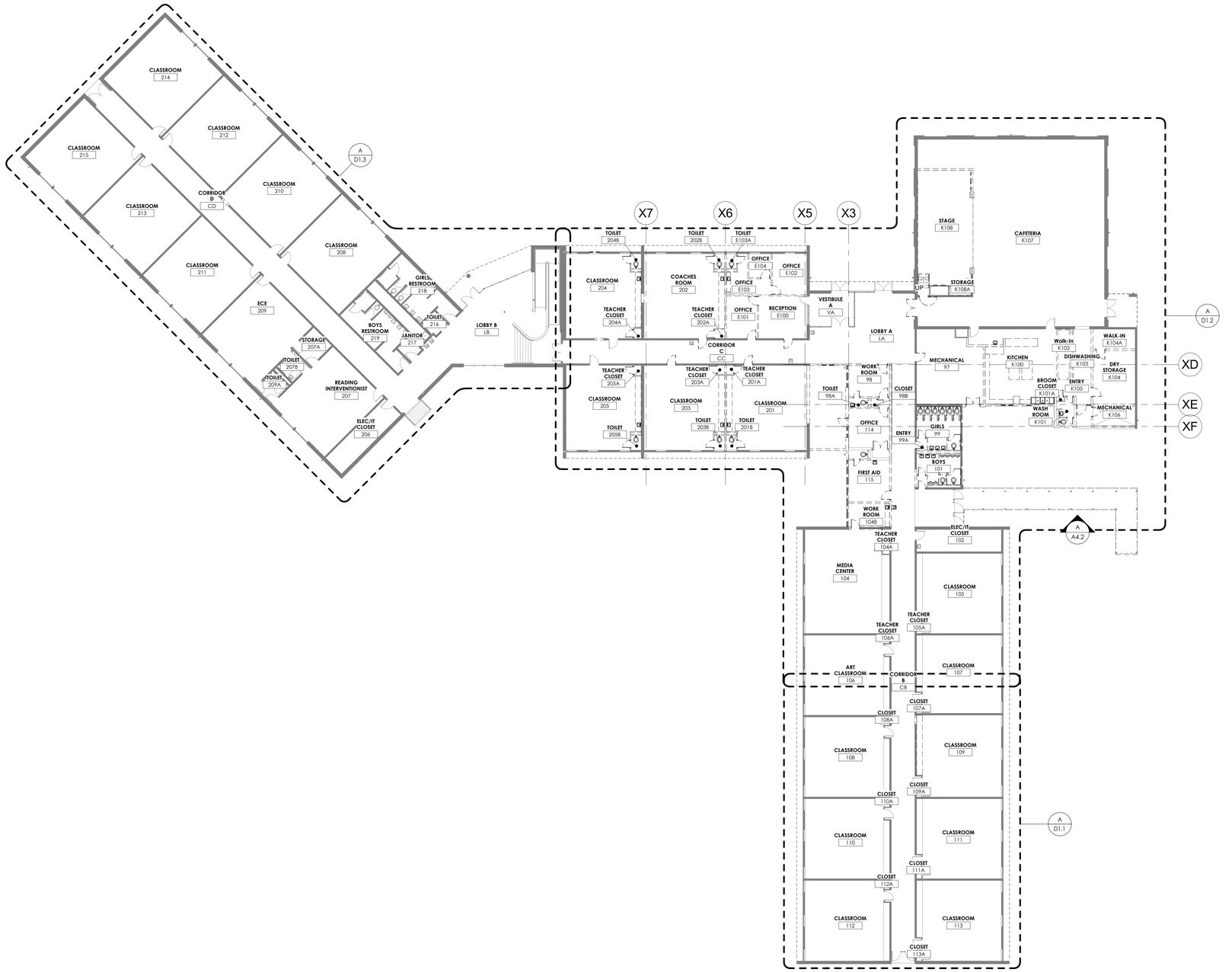
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FRAMING SECTIONS AND DETAILS
DATE ISSUED:
MAY 4, 2022

REVISIONS

#	DATE	DESCRIPTION



DEMOLITION FLOOR PLAN

1/16" = 1'-0"

A D1.0

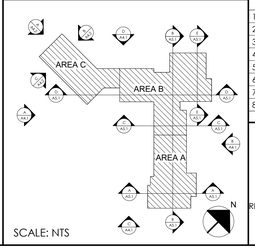
GENERAL DEMOLITION NOTES

1. THESE DEMOLITION PLANS ARE MEANT TO BE A CONVENIENCE TO THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY FOR INSTALLATION OF NEW WORK WHETHER SHOWN HERE OR NOT.
2. REFER TO SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION WORK REQUIRED IN SPECIFIC AREAS OF WORK.
3. 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 RQD.
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 RQD. TO ALLOW TOOTHING. WHERE NEW MASONRY CONSTRUCTION JOINS EXISTING MASONRY WALLS, REMOVE MASONRY UNITS AT CONNECTIONS AS NECESSARY TO PERMIT TOOTHING OF NEW CONSTRUCTION WHETHER OR NOT SUCH DEMOLITION IS SPECIFICALLY SHOWN ON DEMOLITION PLANS. OVER-DEMOLISH NEW MASONRY UNITS TO PROVIDE FINISHED OPENING. PROVIDE NEW MASONRY TIES AND HORIZONTAL JOINT REINFORCING PER SPECIFICATIONS. NEW MASONRY CONSTRUCTION SHALL PRECISELY MATCH ADJACENT EXISTING MASONRY IN COLOR, TEXTURE, PATTERN AND FINISH, U.N.O.
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-2	REMOVE EXISTING GYPSUM 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.
FINISH DEMOLITION NOTES:	
F-1	REMOVE EXISTING RESILIENT FLOORING & BASE IN THEIR ENTIRETY.
F-2	REMOVE EXISTING CARPET FLOORING & BASE IN THEIR ENTIRTEY.
MISCELLANEOUS DEMOLITION:	
M-1	REMOVE EXISTING CASEWORK IN ITS ENTIRETY. PATCH AND REPAIR SURFACES WHERE NECESSARY.
M-2	REMOVE EXISTING PLUMBING FIXTURE AND ITS ACCESSORIES IN THEIR ENTIRETY. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
M-3	REMOVE EXISTING STAIRCASE IN ITS ENTIRTEY
M-4	REMOVE EXISTING FINISH FLOOR, SUBFLOOR, AND FLOOR STRUCTURE IN ITS ENTIRETY.
M-5	REMOVE EXISTING CANOPY AND FOUNDATION IN THEIR ENTIRETY. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
PARTITION DEMOLITION NOTES:	
P-1	REMOVE PORTION OF EXISTING WALL. EXISTING WALL MAY BE A BEARING WALL. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION.
P-2	REMOVE ALL EXISTING TOILET PARITION WALLS AND CHASE WALLS. PATCH AND REPAIR WALL SURFACE WHERE NECESSARY FOR NEW WORK.
WINDOW DEMOLITION NOTES:	
W-1	REMOVE EXISTING WINDOW IN ENTIRETY FOR INSTALLATION OF REPLACEMENT WINDOW. COORD. WITH NEW WORK.
W-2	REMOVE EXISTING WINDOW IN ENTIRETY.

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

REFERENCE DEMOLITION PLAN
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

Structural Engineer:
Structural Design Group, Inc.
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Nashville, TN 37228
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BG# 22-053

Project No:	2139
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Rev'd By:	RB / MN

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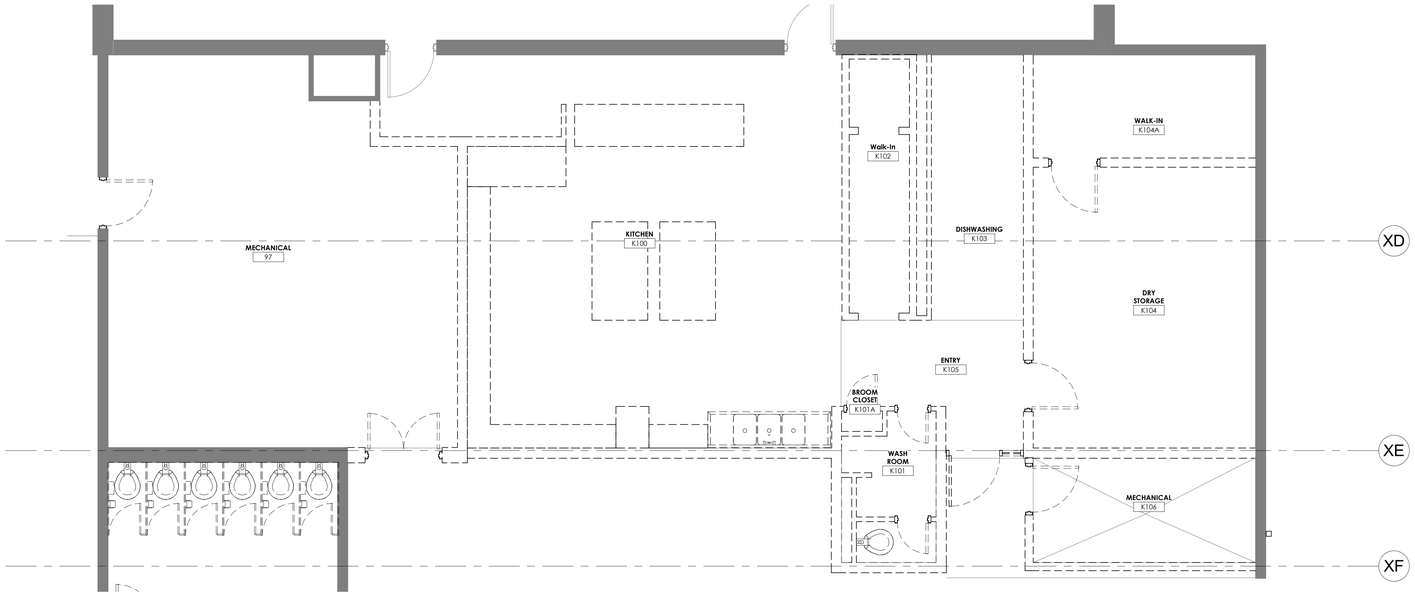
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REFERENCE DEMOLITION PLAN

DATE ISSUED:
MAY 4, 2022

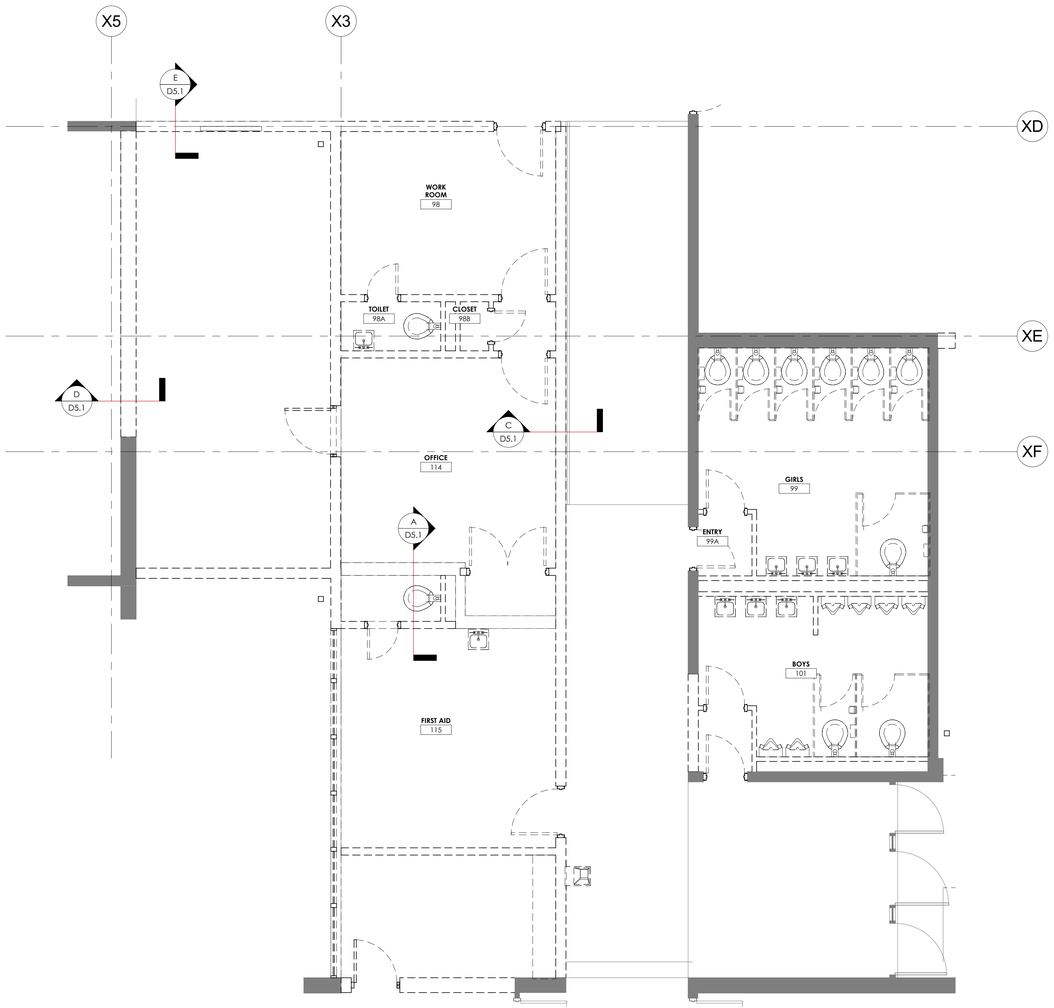
REVISIONS

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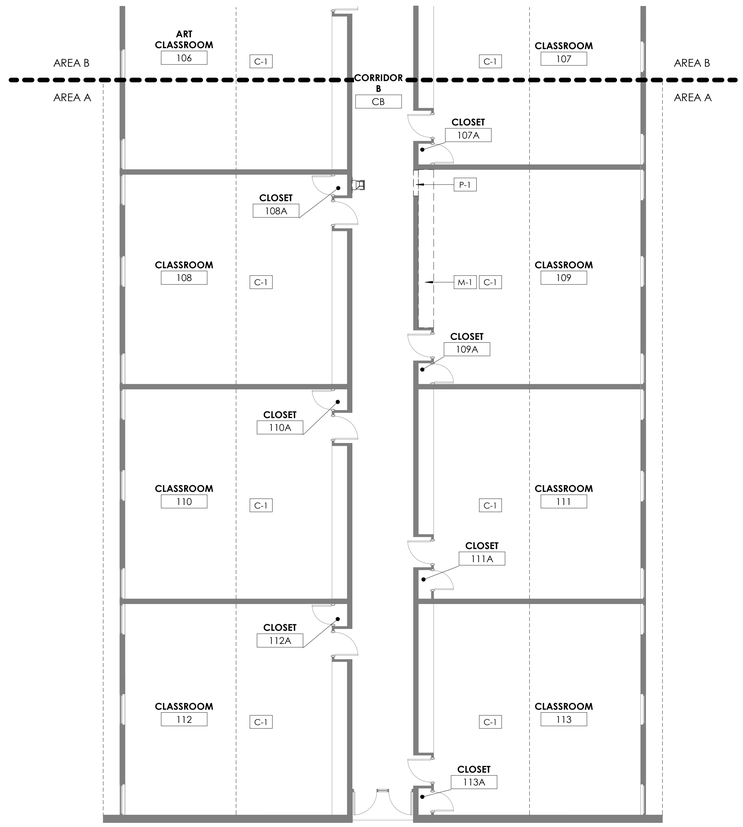


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W-2	REMOVE EXISTING WINDOW IN ENTIRETY.



ENLARGED DEMOLITION FLOOR PLAN
1/4" = 1'-0"
C D1.1

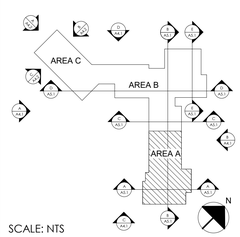


ENLARGED DEMOLITION FLOOR PLAN
1/4" = 1'-0"
B D1.1

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

C-1
D-1
F-1
M-1
P-1
W-1

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

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DEMOLITION FLOOR PLAN - AREA A
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
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BG# 22-053

Project No:	2139
Drawn By:	SMS
Rev'd By:	RB / MN

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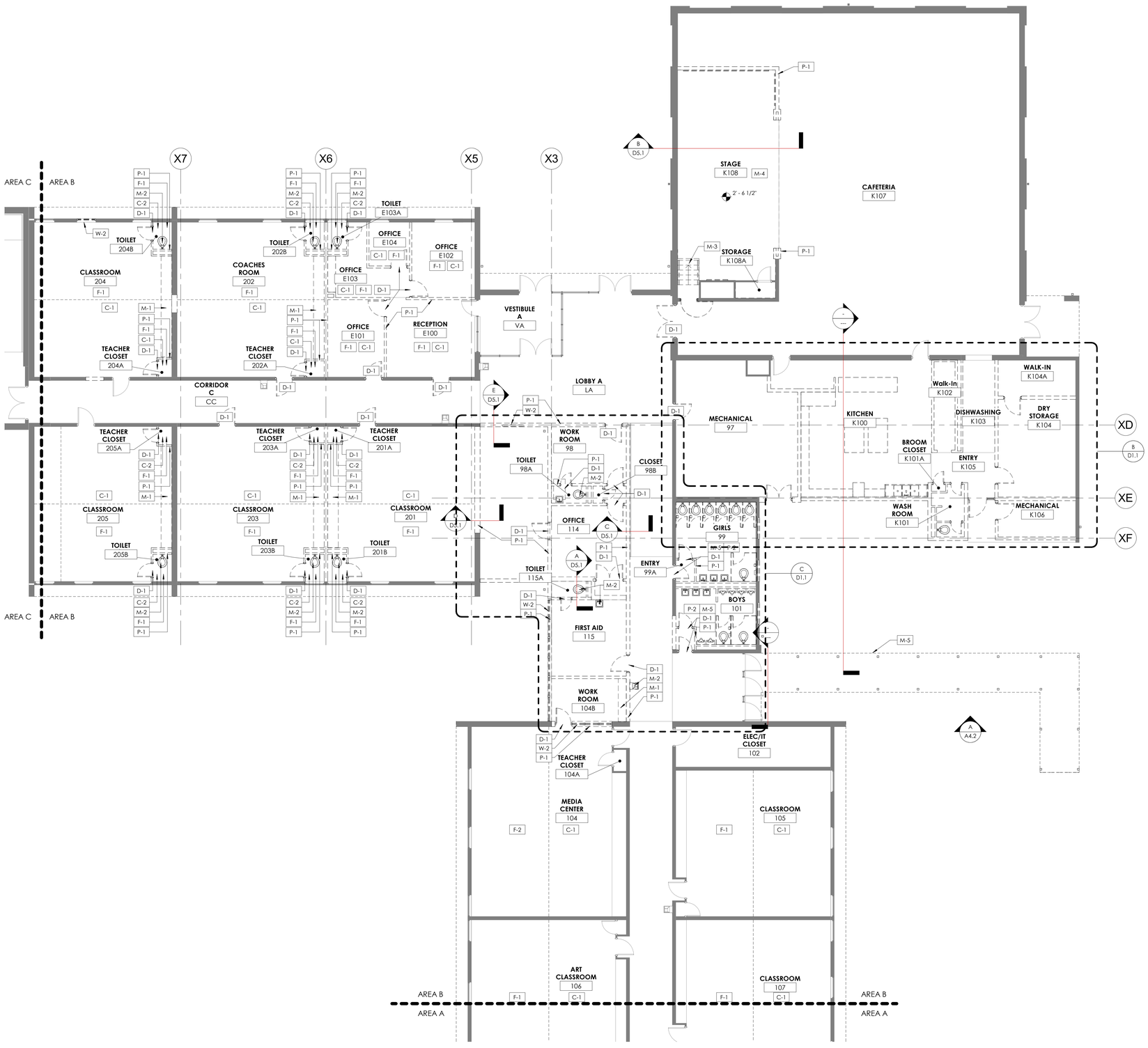
DESIGN DEVELOPMENT

D1.1

DEMOLITION FLOOR PLAN - AREA A
DATE ISSUED:
MAY 4, 2022

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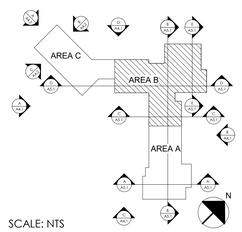


DEMOLITION FLOOR PLAN AREA B
1/8" = 1'-0"
A D1.2

DEMOLITION NOTES

CEILING DEMOLITION NOTES:	
C-1	REMOVE EXISTING CEILING TILE & GRID IN ITS ENTIRETY.
C-2	REMOVE EXISTING GYPSUM 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.
FINISH DEMOLITION NOTES:	
F-1	REMOVE EXISTING RESILIENT FLOORING & BASE IN THEIR ENTIRETY.
F-2	REMOVE EXISTING CARPET FLOORING & BASE IN THEIR ENTIRETY.
MISCELLANEOUS DEMOLITION:	
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W-2	REMOVE EXISTING WINDOW IN ENTIRETY.

KEY PLAN



SCALE: NTS

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DEMOLITION FLOOR PLAN - AREA B
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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LEBANON, KENTUCKY

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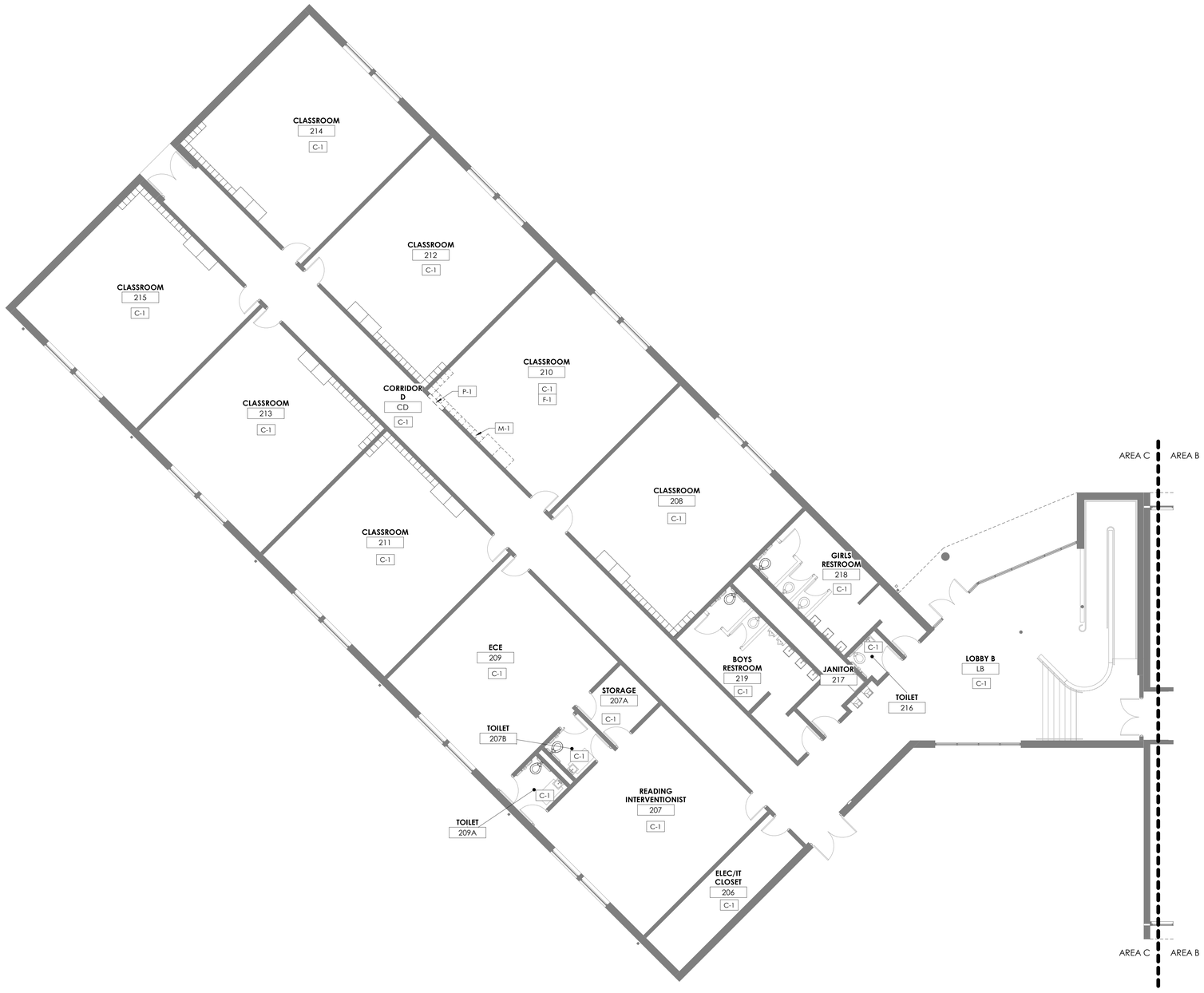
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D1.2

DEMOLITION FLOOR PLAN - AREA B
DATE ISSUED:
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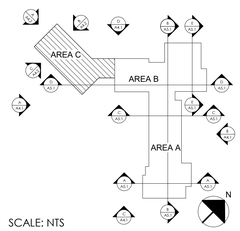


DEMOLITION FLOOR PLAN AREA C
1/8" = 1'-0"
A
D1.3

DEMOLITION NOTES

CEILING DEMOLITION NOTES:	
C-1	REMOVE EXISTING CEILING TILE & GRID IN ITS ENTIRETY.
C-2	REMOVE EXISTING GYPSUM 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.
FINISH DEMOLITION NOTES:	
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F-2	REMOVE EXISTING CARPET FLOORING & BASE IN THEIR ENTIRTEY.
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WINDOW DEMOLITION NOTES:	
W-1	REMOVE EXISTING WINDOW IN ENTIRETY FOR INSTALLATION OF REPLACEMENT WINDOW. COORD. WITH NEW WORK.
W-2	REMOVE EXISTING WINDOW IN ENTIRETY.

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

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DEMOLITION FLOOR PLAN - AREA C
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

M.E.&P. Engineer:
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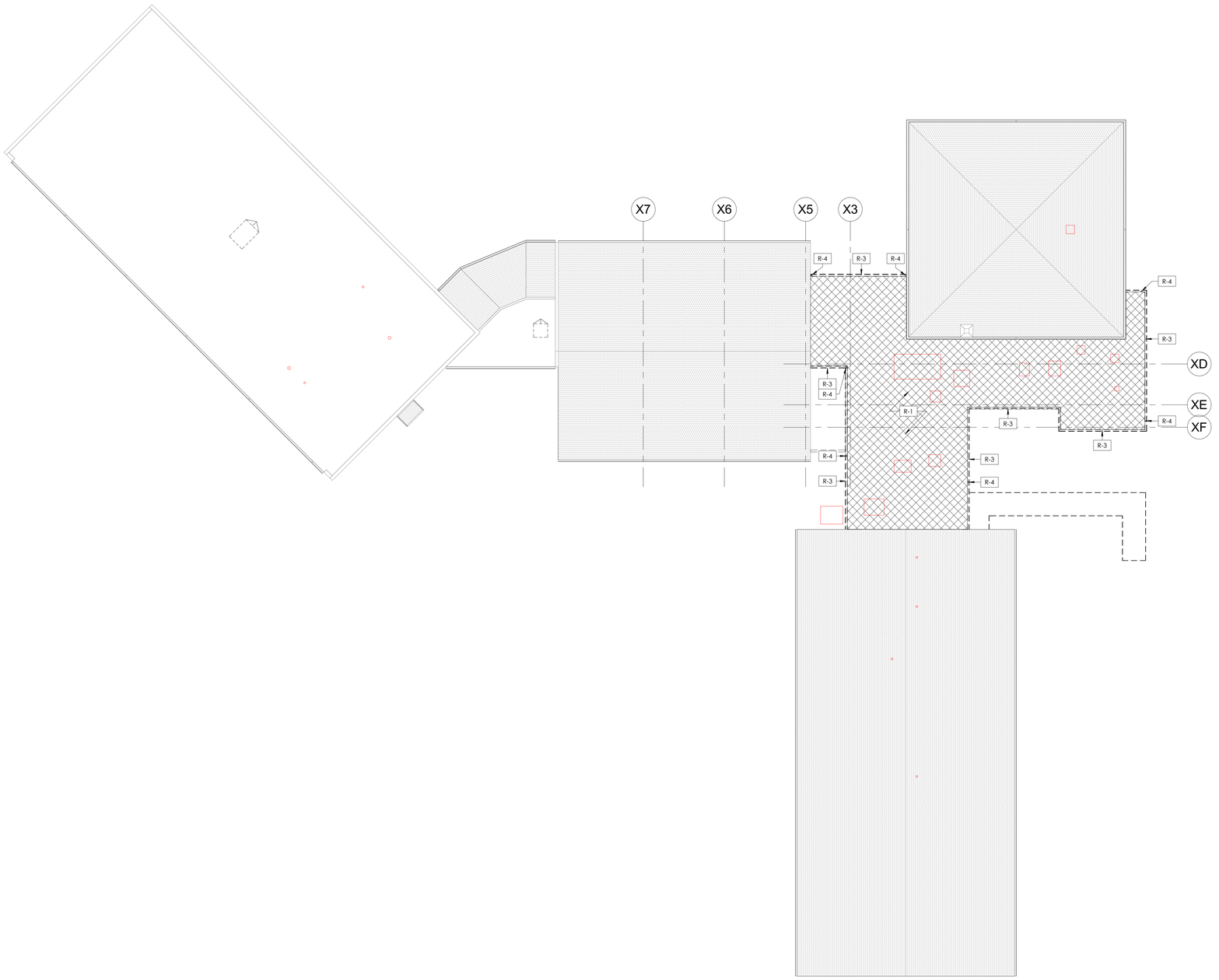
DESIGN DEVELOPMENT

D1.3

DEMOLITION FLOOR PLAN - AREA C
DATE ISSUED:
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REVISIONS

#	DATE	DESCRIPTION



ROOF DEMOLITION PLAN
1/16" = 1'-0"
A D3.1

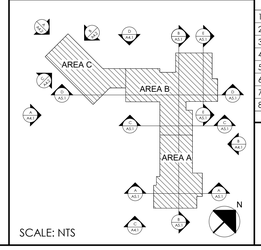
ROOF DEMOLITION NOTES

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-1	REMOVE AND DISPOSE OF EXISTING 4 PLY BUILT UP ROOFING AND INSULATION DOWN TO EXISTING METAL DECK. AREA SHOWN AS HATCHED ON DEMOLITION PLAN.
R-2	EXISTING VENTS, EQUIPMENT OR OTHER ROOFTOP PENETRATIONS TO REMAIN, U.N.O. REMOVE ANY PIPE BOOTS, FLASHING, AND SEALANTS AROUND EQUIPMENT. RAISE TO RECEIVE NEW ROOFING AND INSTULATION SYSTEM. REFER TO A3.1 SHEET FOR FURTHER INFORMATION.
R-3	REMOVE EXISTING GUTTER IN ITS ENTIRETY.
R-4	REMOVE EXISTING DOWNSPOUT IN ITS ENTIRETY. PATCH AND REPAIR WALL SURFACE WHERE DOWNSPOUT IS REMOVED.
R-5	REMOVE EXISTING ROOF TOP EQUIPMENT AND REINSTALL ON NEW ROOF CURB.
R-6	REMOVE EXISTING CHIMNEY TO ABOVE ROOF DECK. COORDINATE WITH NEW WORK.
R-7	REMOVE EXISTING METAL FASCIA/COPING. COORDINATE WITH NEW WORK.
R-8	EXISTING ROOF TO REMAIN. EXISTING ROOF IS CURRENTLY UNDER WARRANTY. ALL NEW WORK TO BE PERFORMED SHALL NOT VOID EXISTING WARRANTY.
R-9	REMOVE EXISTING TERMINATION BAR/COUNTER FLASHING/REGLET IN ITS ENTIRETY.

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

DEMOLITION ROOF PLAN
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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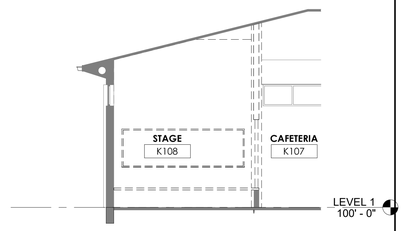
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DEMOLITION ROOF PLAN

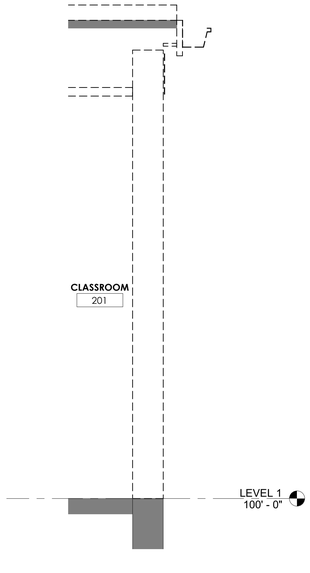
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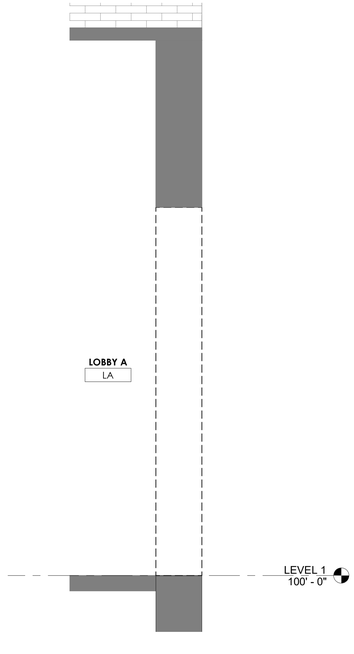
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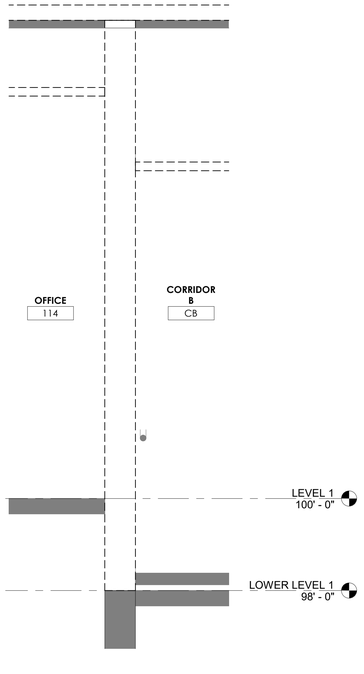
DEMOLITION BUILDING SECTION
1/8" = 1'-0"
B D5.1



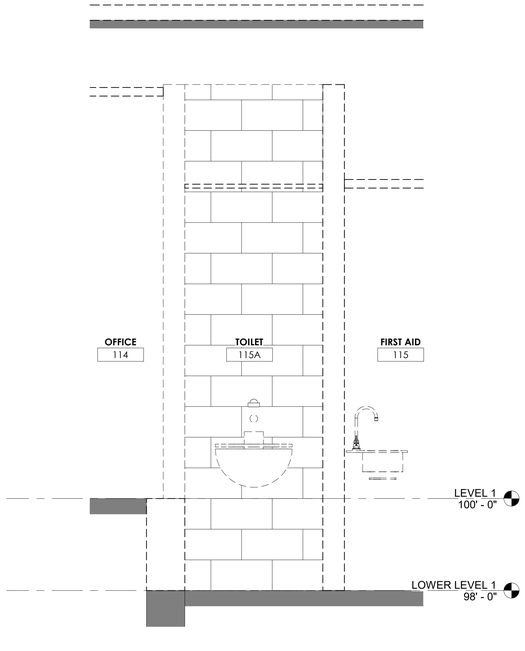
DEMOLITION WALL SECTION
3/4" = 1'-0"
E D5.1



DEMOLITION WALL SECTION
3/4" = 1'-0"
D D5.1



DEMOLITION WALL SECTION
3/4" = 1'-0"
C D5.1



DEMOLITION WALL SECTION
3/4" = 1'-0"
A D5.1

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DEMOLITION SECTIONS

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

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LEBANON, KENTUCKY

M.E.&P Engineer:
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BG#

Project No: 2139
Drawn By: Author
Rev'd By: Checker

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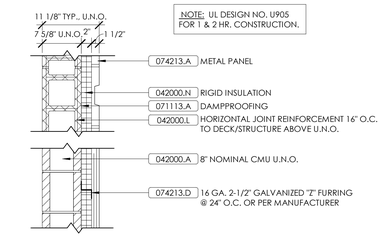
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DEMOLITION SECTIONS

DATE ISSUED:
MAY 4, 2022

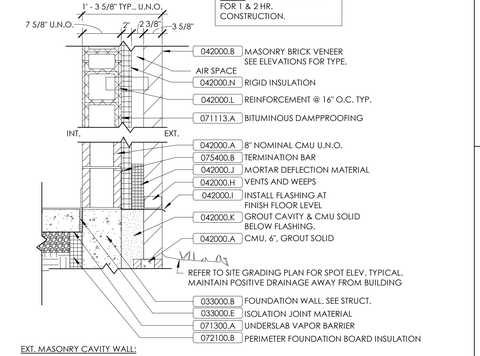
REVISIONS

#	DATE	DESCRIPTION



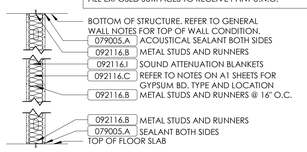
EXTERIOR WALL TYPE 'B'

SCALE : N.T.S.



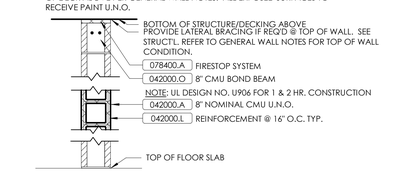
EXTERIOR WALL TYPE 'A'

SCALE : N.T.S.



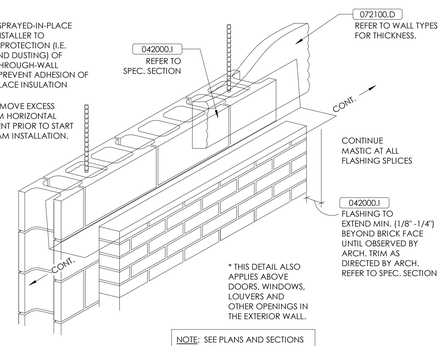
INTERIOR GYPSUM BOARD PARTITION TYPE '2'

SCALE : N.T.S.



INTERIOR CMU PARTITION TYPE '1'

SCALE : N.T.S.

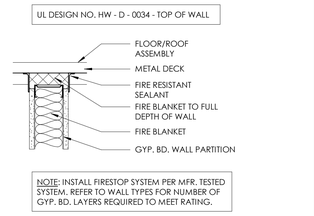


TYP. WALL FLASHING DETAIL (CMU-SPRAY-IN-PLACE)

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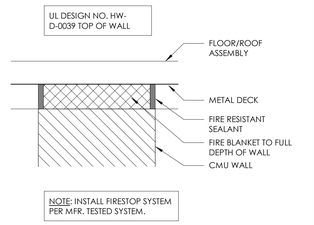
TYP. WALL FLASHING DETAIL

N.T.S.



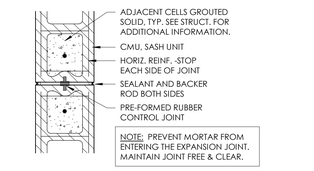
SMOKE PARTITION, 1HR/2HR FIRESTOP @ GWB

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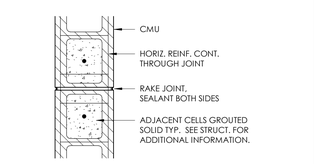
SMOKE PARTITION, 1HR/2HR FIRESTOP @ CMU

N.T.S.



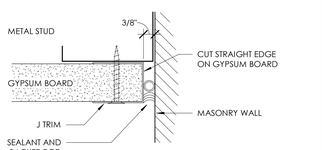
TYP. CMU EXPANSION JOINT DETAIL

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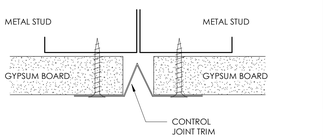
TYP. CMU CONTROL JOINT DETAIL

N.T.S.



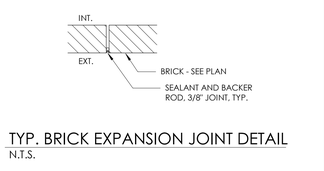
TYP. REVEAL @ GWB/MASONRY INTERSECTION

N.T.S.



TYP. REVEAL/EXPANSION JOINT DETAIL

N.T.S.



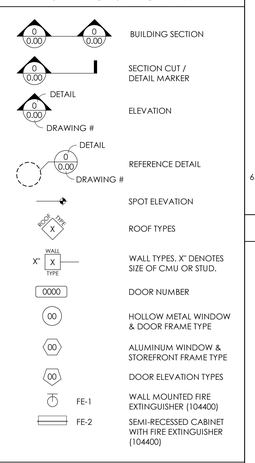
TYP. BRICK EXPANSION JOINT DETAIL

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:



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.

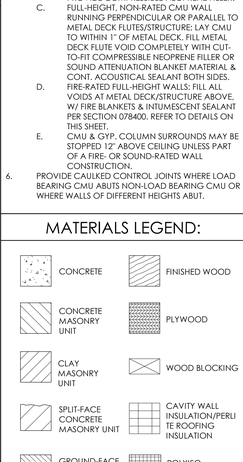
GENERAL PLAN NOTES

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 STRUCTL 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 FLUTES/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. 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.
   D. 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:



MASTER MATERIAL REFERENCE

033000.B	Foundation Wall
033000.C	Slab-on-Grade
033000.D	Slab-on-Deck
033000.E	Isolation Joint Material
034500.A	Precast Architectural Concrete
035216.A	Lightweight Concrete Roof Insulation
042000.A	Concrete Masonry Unit
042000.B	Face Brick
042000.H	Vents and Weeps
042000.J	Through Wall Flashing
042000.J	Mortar Deflection Material
042000.K	Grout
042000.L	Masonry Reinforcement
042000.M	Masonry Anchors
042000.N	Cavity Wall Insulation
042000.O	Bond Beam
047200.A	Cast Stone Masonry Units
051200.A	Structural Steel Member
052100.A	Steel Joists
053100.A	Roof Deck
054100.A	Cold Form Exterior Wall Framing
055000.A	Ship's Ladder
055000.H	Elevator Pit Ladder
055000.I	Elevator Sump Pit Cover
055100.B	Metal Stringer
055100.D	Miscellaneous Metal Stair Components
061000.A	Wood Blocking
061000.B	Plywood Sheathing
064100.A	Custom Casework
064100.A13	Plastic Laminate Countertop
064100.C6	Solid-Surface Countertop & Backsplash
071113.A	Bituminous Dampproofing
071300.A	Underslab Vapor Barrier
072100.A	Cavity Wall Insulation
072100.B	Perimeter Foundation Board Insulation
072100.C	Thermal Batt Insulation
072100.D	Sprayed-In-Place Thermal Insulation
072100.F	Transition Membrane
072119.A	Foamed-in-Place Insulation
072400.A	Exterior Insulation & Finish System (E.I.F.S.)
072500.A	Vapor Retarder
072500.B	Air Infiltration Barrier
074113.A	Metal Roof Panels
074113.B	Metal Soffit Panels
074113.C	Gutter
074113.D	Downspout
074113.E	Polyisocyanurate Insulation
074113.F	Ice and Water Shield
074113.G	Metal Wrap and Trim
074113.J	Drip Edge
074213.A	Metal Wall Panels
074213.B	Metal Soffit Panels
074213.D	Subgirt/Z Furring
075200.A	SBS-Modified Bituminous Membrane Roofing System
075400.B	Termination Bar
077100.A	Fascia
077100.C	Drip Edge
077100.D	Reglet/Counter Flashing
077100.E	Expansion Joint
077123.A	Gutter
077123.B	Downspout
077200.A	Roof Hatch
077200.B	Guardrail
077200.C	Safety Post
078400.A	Through-Penetration Fire Stop System
078400.C	Fire Blankets
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
092116.B	Metal Studs and Runners
092116.C	Gypsum Board-Regular/Type 'X'
092116.D	Fiberglass-Faced Exterior Gypsum Board
092116.E	Hat Channels
092116.G	Abuse Resistant Gypsum Board
092116.I	Sound Attenuation Blankets
092116.K	Shaftwall
092116.N	Exterior Gypsum Roof Board
092116.P	Acoustical Sealant
096513.A	Resilient Wall Base & Accessories
099000.A	Paint
102800.A	Toilet & Bath Accessories
107300.B	Wall Hung Metal Canopy
123550.A1	Plastic Laminate Base Cabinet
123550.A4	Plastic Laminate Wall Cabinet
123550.A6	Plastic Laminate Full-Ht. Storage Cabinet & Lock
123550.B2	Plastic Laminate Countertop & Backsplash
123550.B3	Plastic Laminate Countertop w/ Back & Side Splashes
142010.A	Passenger Elevator

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

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GENERAL ARCHITECTURAL DETAILS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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BG# 22-053

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Drawn By: SMS
Rev'd By: RB / MN

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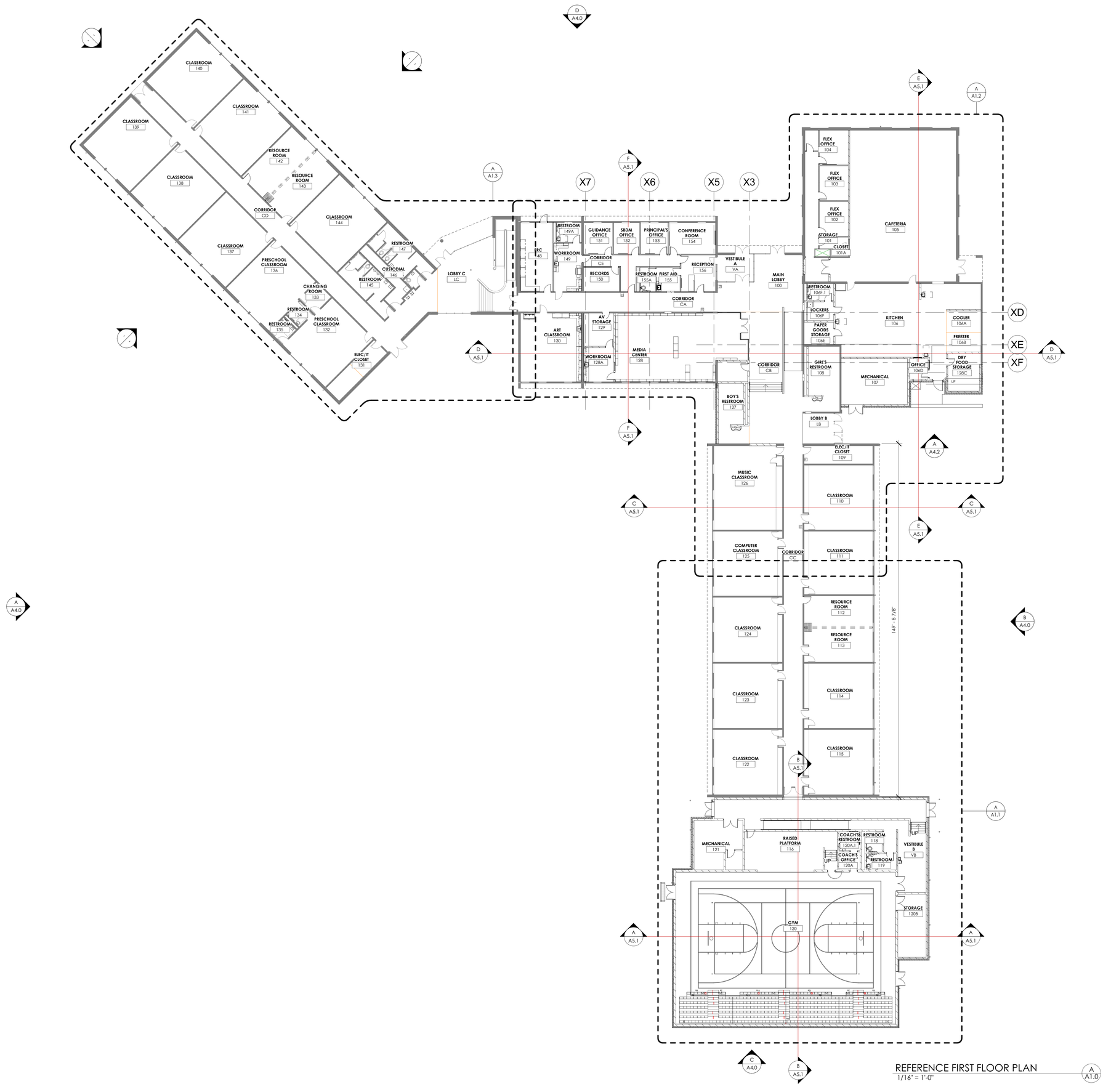
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GENERAL ARCHITECTURAL DETAILS
DATE ISSUED:
MAY 4, 2022

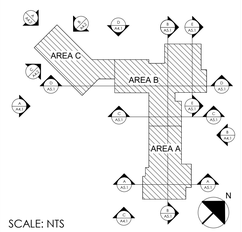
REVISIONS

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REFERENCE FIRST FLOOR PLAN
1/16" = 1'-0"
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KEY PLAN



SCALE: NTS

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LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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LEBANON, KENTUCKY

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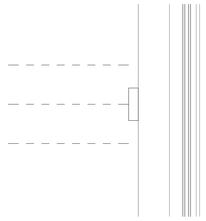
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REFERENCE FLOOR PLAN

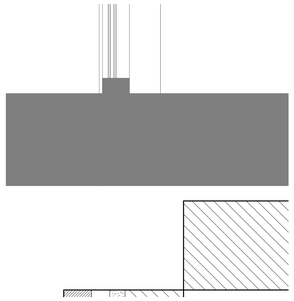
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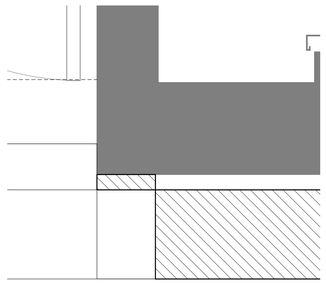
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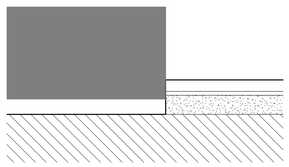
ENLARGED PLAN DETAIL
1 1/2" = 1'-0"
E A1.1



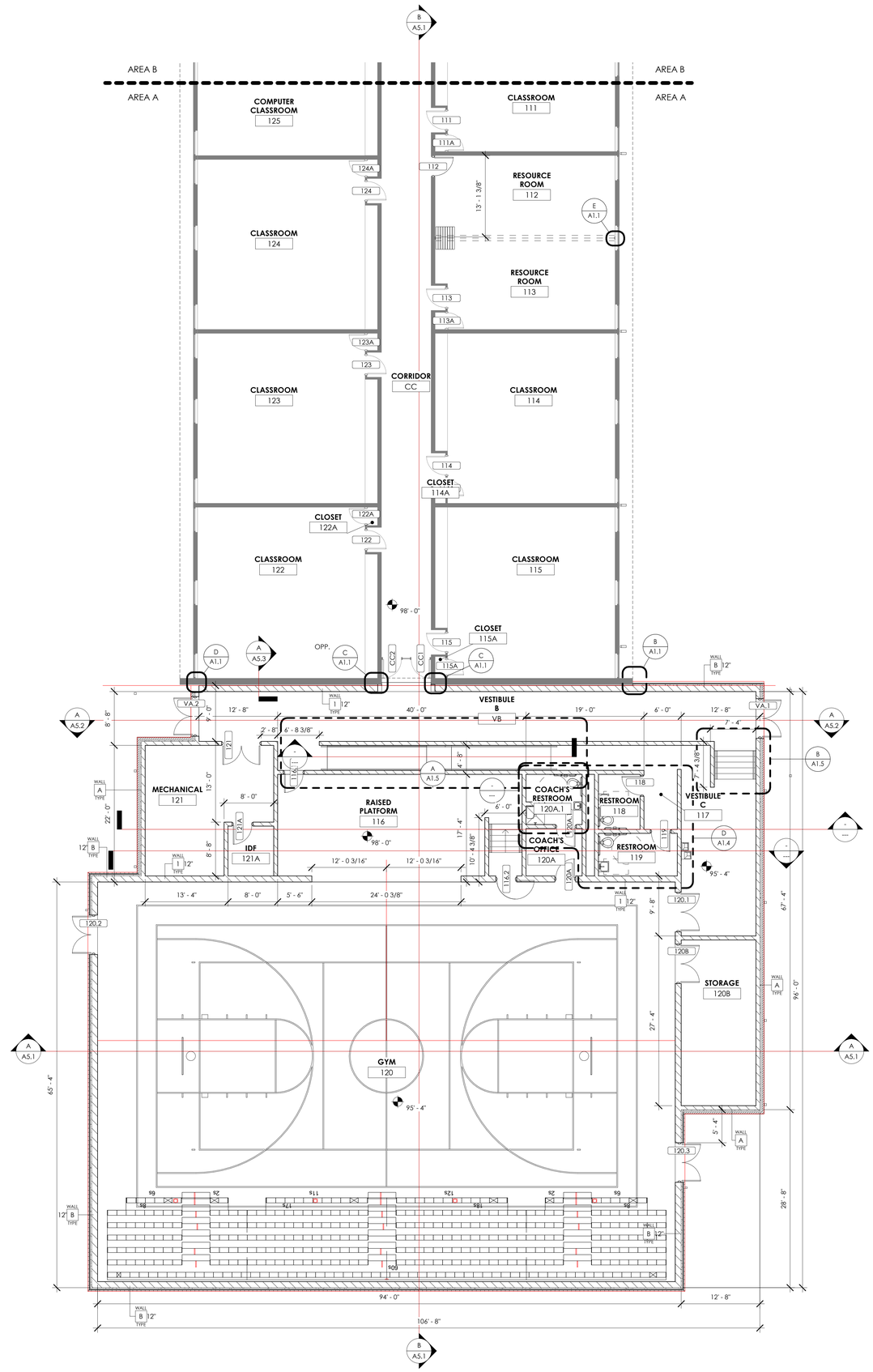
ENLARGED PLAN DETAIL
1 1/2" = 1'-0"
D A1.1



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



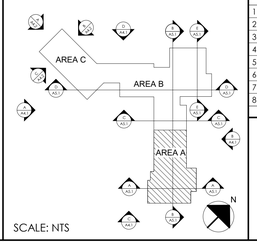
ENLARGED PLAN DETAIL
1 1/2" = 1'-0"
B A1.1



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

MATERIAL REFERENCE

KEY PLAN



SCALE: NTS

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FLOOR PLAN - AREA A
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

Structural Engineer:
Structural Design Group, Inc.
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p 615.255.5537

BG# 22-053

Project No:	2139
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A1.1

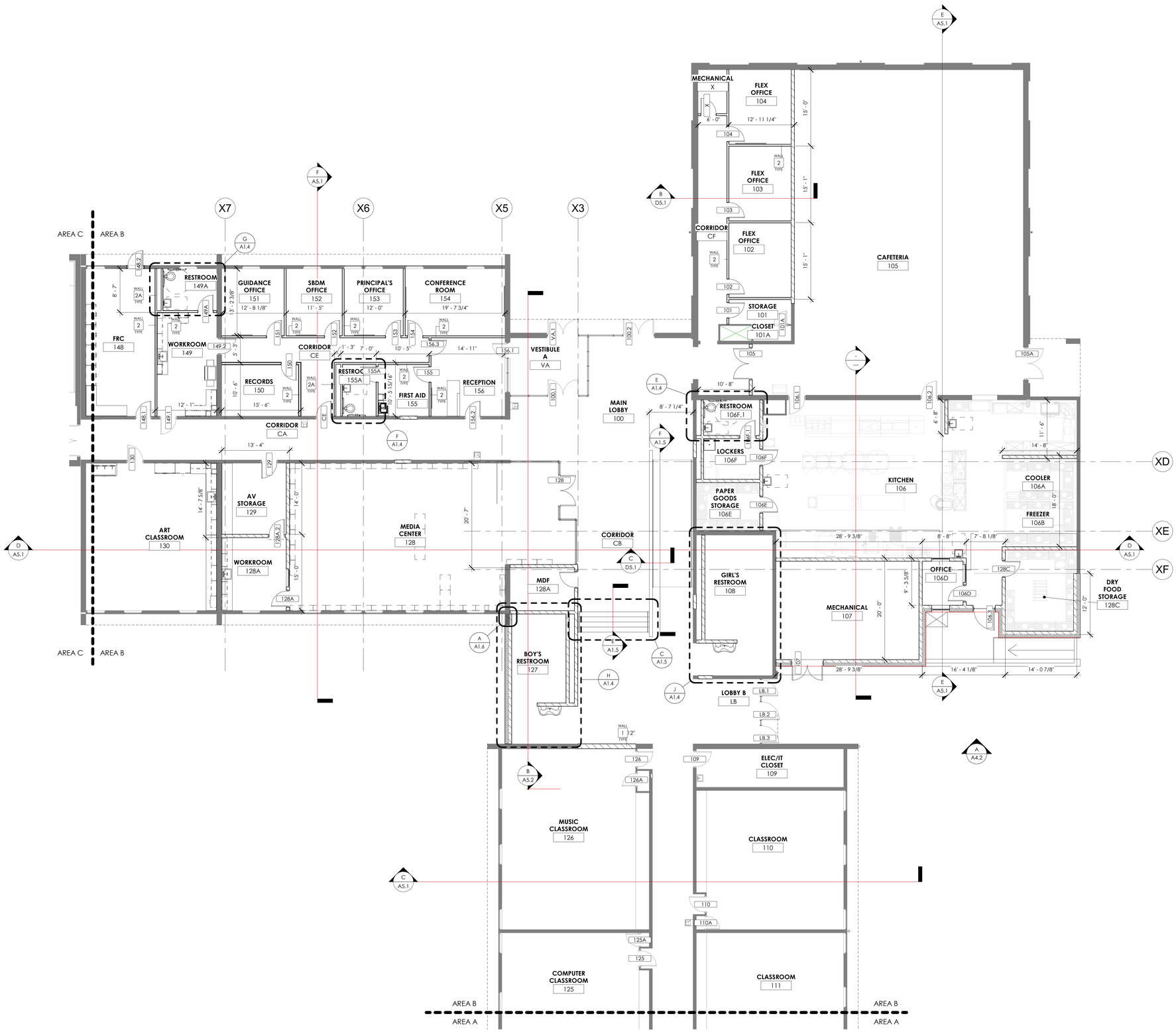
FLOOR PLAN - AREA A

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MAY 4, 2022

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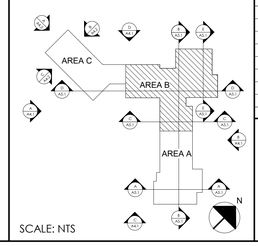
#	DATE	DESCRIPTION

MATERIAL REFERENCE



FIRST FLOOR PLAN - AREA B
1/8" = 1'-0"

KEY PLAN



SCALE: NTS

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FLOOR PLAN - AREA B

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

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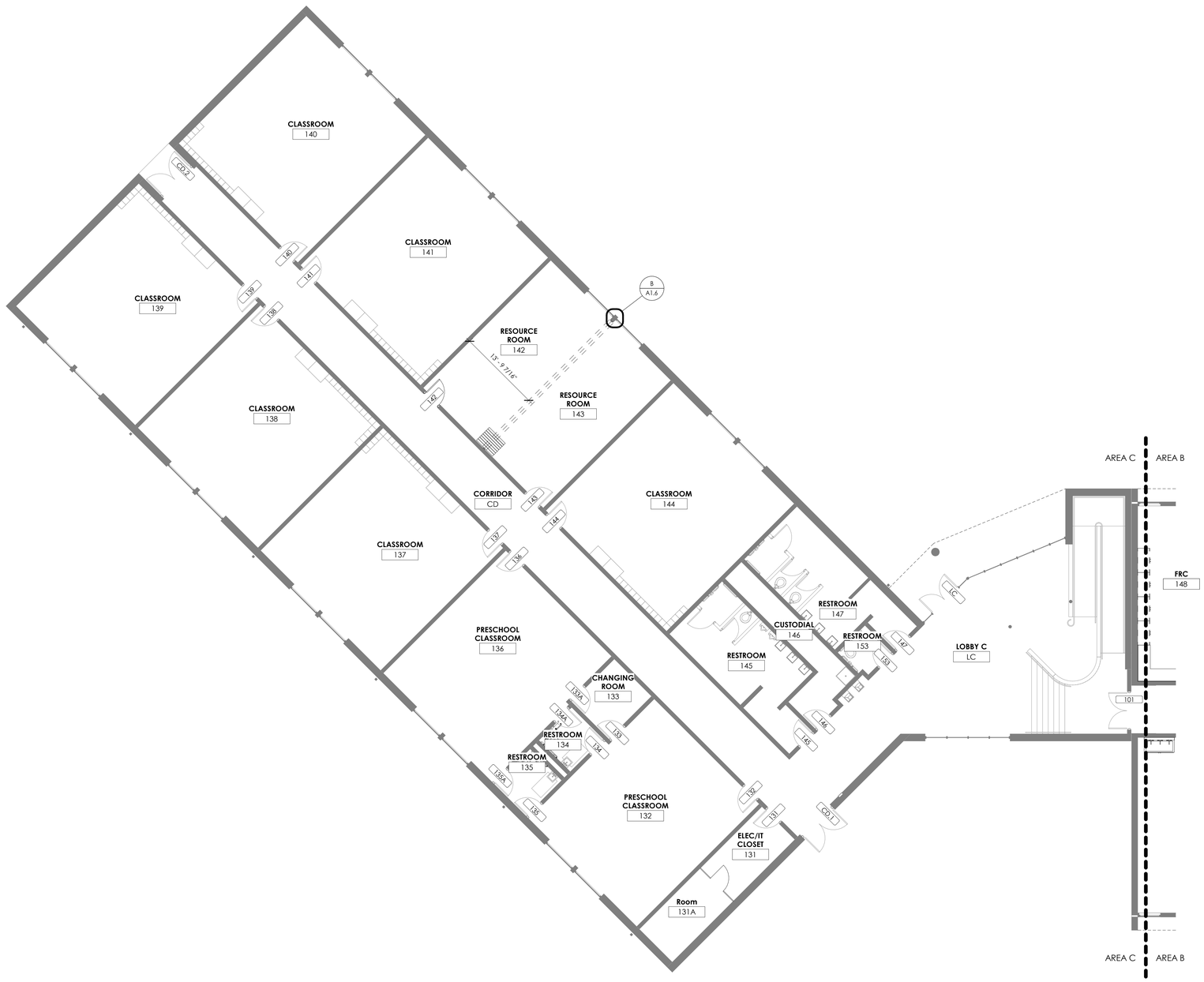
A1.2

FLOOR PLAN - AREA B

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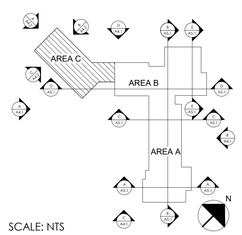
#	DATE	DESCRIPTION



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

MATERIAL REFERENCE

KEY PLAN



SCALE: NTS

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FLOOR PLAN - AREA C
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FOR:
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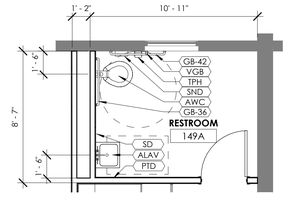
A1.3

FLOOR PLAN - AREA C

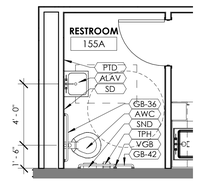
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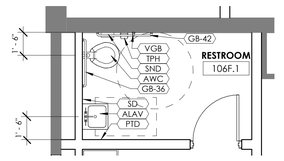
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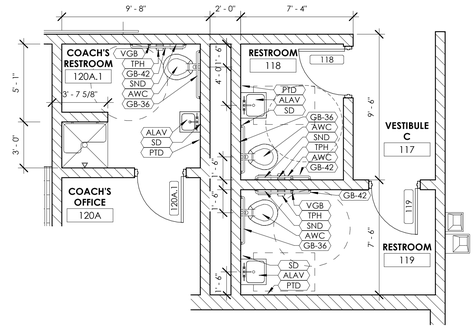
ENLARGED RESTROOM PLAN (G / A1.4)
1/4" = 1'-0"



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



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



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

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

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

MATERIAL REFERENCE

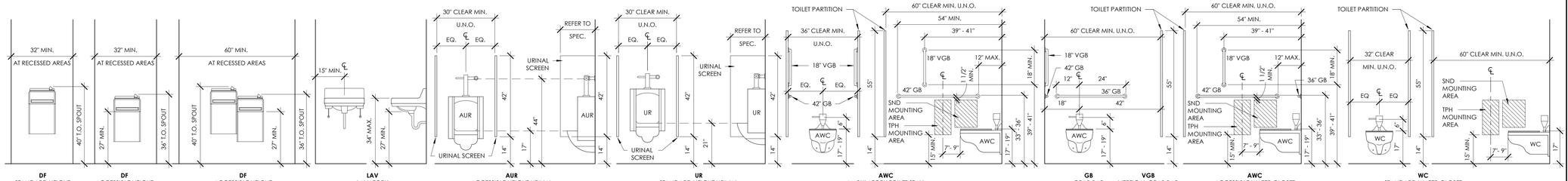
102800.A	Toilet & Bath Accessories

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.

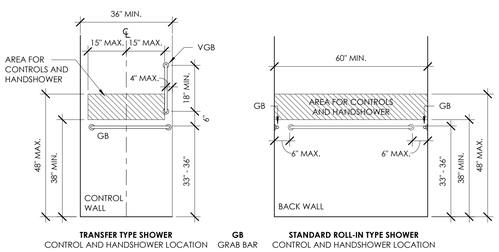
TOILET ACCESSORY LEGEND

ALAV	ALAV	ACCESSIBLE LAVATORY
ALAVP	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

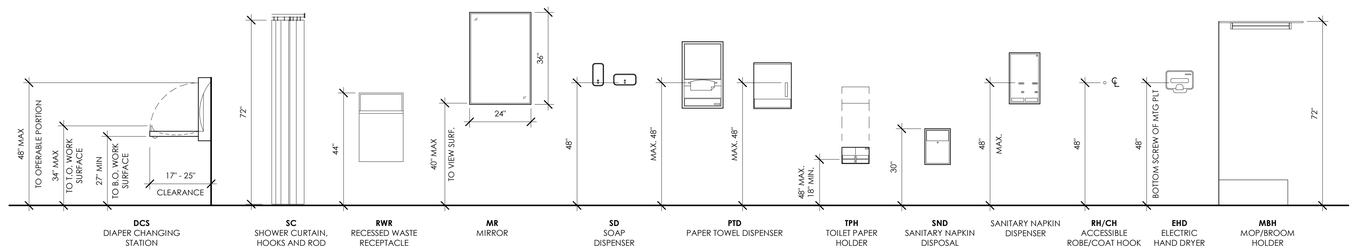


(NOTE: SOME ITEMS SHOWN MAY NOT BE APPLICABLE TO THE PROJECT)

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



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



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

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

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

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ENLARGED FLOOR PLANS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
220 Lexington Green Circle, Suite 600
p 859.233.0892

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Structural Design Group, Inc.
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BG# 22-053

Project No:	2139
Drawn By:	SMS
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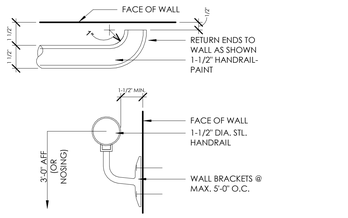
A1.4

ENLARGED FLOOR PLANS

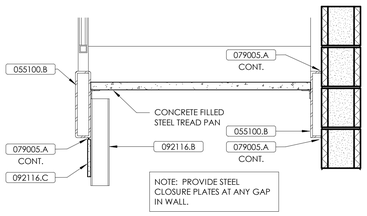
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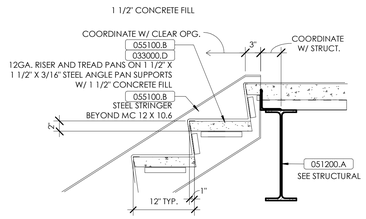
#	DATE	DESCRIPTION



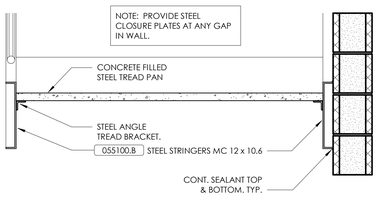
TYP. HANDRAIL END DETAIL
3" = 1'-0"
M / A1.5



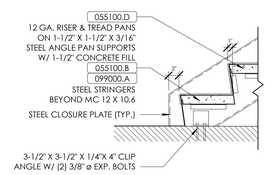
TOP STRINGER DETAIL
1" = 1'-0"
L / A1.5



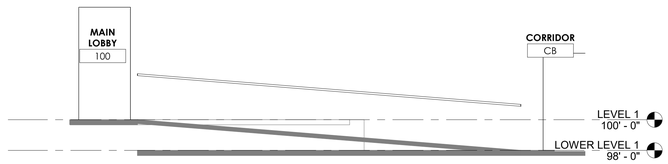
TOP STAIR DETAIL
1" = 1'-0"
K / A1.5



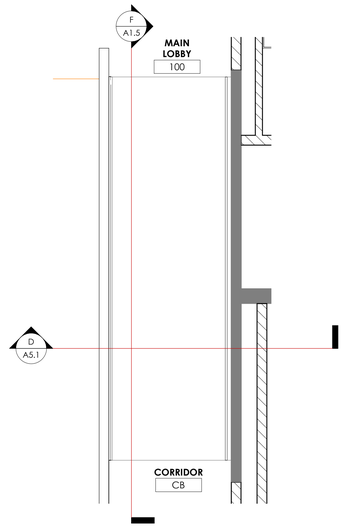
STAIR STRINGER DETAIL
1" = 1'-0"
J / A1.5



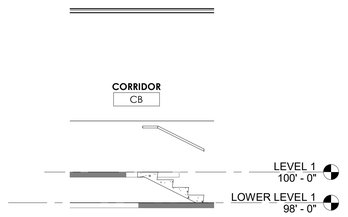
BOTTOM STAIR DETAIL
1" = 1'-0"
H / A1.5



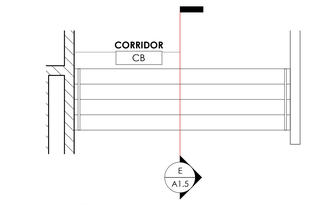
ENLARGED RAMP SECTION
1/4" = 1'-0"
F / A1.5



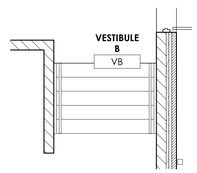
ENLARGED RAMP PLAN
1/4" = 1'-0"
D / A1.5



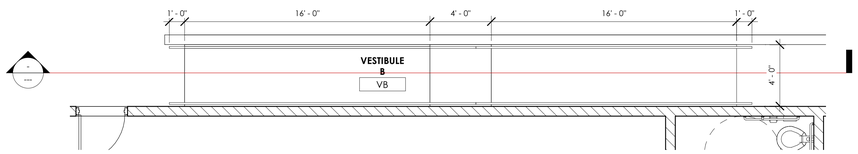
ENLARGED STAIR SECTION
1/4" = 1'-0"
E / A1.5



ENLARGED STAIR PLAN
1/4" = 1'-0"
C / A1.5

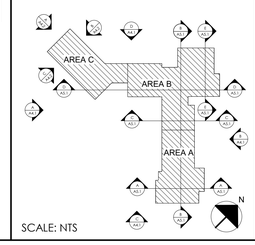


ENLARGED STAIR PLAN
1/4" = 1'-0"
B / A1.5



ENLARGED RAMP PLAN
1/4" = 1'-0"
A / A1.5

KEY PLAN



SCALE: NTS

MATERIAL REFERENCE

033000.D	Slab-on-Deck
051200.A	Structural Steel Member
055100.B	Metal Stringer
055100.D	Miscellaneous Metal Stair Components
079005.A	Joint Sealant
092116.B	Metal Studs and Runners
092116.C	Gypsium Board-Regular/Type 'X'
099000.A	Paint

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VERTICAL CIRCULATION

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
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BG# 22-053

Project No:	2139
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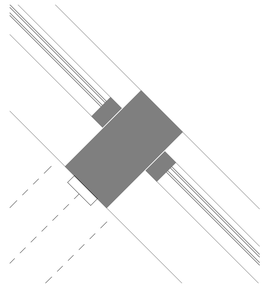
A1.5

VERTICAL CIRCULATION

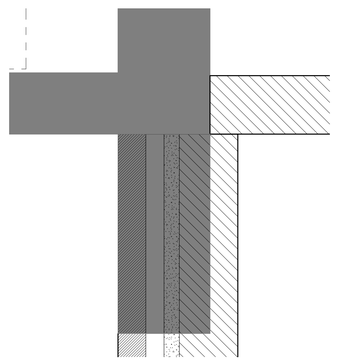
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ENLARGED PLAN DETAIL
1 1/2" = 1'-0"
B
A1.6



ENLARGED PLAN DETAIL
1 1/2" = 1'-0"
A
A1.6

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PLAN DETAILS

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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A1.6

PLAN DETAILS

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ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	SIGN TYPE	COMMENTS
100	MAIN LOBBY	VCT	RB1	P1	P1	P1	P1	APC1 & Painted Gyp.		
101	STORAGE	SC1	RB1	P2	P2	P2	P2			
101A	CLOSET	SC1	RB1							
102	FLEX OFFICE	CPT1	RB1	P1	P1	P1	P1			
103	FLEX OFFICE	CPT1	RB1	P1	P1	P1	P1			
104	FLEX OFFICE	CPT1	RB1	P1	P1	P1	P1			
105	CAFETERIA	ETR & VCT Patching	ETR & RB1	ETR	ETR	ETR	Paint to match existing			
106	KITCHEN	QT1	QT1 Cove	P2	P2	P2	P2	APC3		
106A	COOLER	QT1	QT1 Cove	N/A	N/A	N/A	N/A	N/A	Type 1	
106B	FREEZER	QT1	QT1 Cove	N/A	N/A	N/A	N/A	N/A	Type 1	
106D	OFFICE	QT1	QT1 Cove	P1	P1	P1	P1	APC3		
106E	PAPER GOODS STORAGE	QT1	QT1 Cove	P2	P2	P2	P2	APC3		
106F	LOCKERS	QT1	QT1 Cove	P2	P2	P2	P2	APC3		
106F.1	RESTROOM	QT1	QT1 Cove	P1	P1	P1	P1	APC3		
107	MECHANICAL	SC1	Color-matching Caulk	P2	P2	P2	P2	Paint Exposed	Type 1	
108	GIRL'S RESTROOM	RF1	RF1 Flashed-Up Cove	P1	P1	P1	P1	APC1		
109	ELEC/IT CLOSET	ETR								
110	CLASSROOM	VCT	RB1					APC1		
110A	CLOSET	ETR								
111	CLASSROOM	VCT	RB1					APC1		
111A	CLOSET	ETR								
112	RESOURCE ROOM	VCT	RB1	P1	P1	P1	P1	APC1	Type 2	
113	RESOURCE ROOM	VCT	RB1	P1	P1	P1	P1	APC1	Type 2	
113A	CLOSET	ETR								
114	CLASSROOM	VCT	RB1					APC1		
114A	CLOSET	ETR								
115	CLASSROOM	VCT	RB1					APC1		
115A	CLOSET	ETR								
116	RAISED PLATFORM	VCT	RB1					APC1		
117	VESTIBULE C	VCT	RB1					APC1		
118	RESTROOM	RF1	RF1 Flashed-Up Cove					APC1		
119	RESTROOM	RF1	RF1 Flashed-Up Cove					APC1		
120	GYM	RAF1	RB1					Paint Exposed		
120A	COACH'S OFFICE	VCT	RB1					APC1		
120A.1	COACH'S RESTROOM	RF1	RF1 Flashed-Up Cove					APC1		
120B	STORAGE	SC1	RB1	P2	P2	P2	P2	N/A		
121	MECHANICAL	SC1	RB1					N/A		
121A	IDF	SC1						APC1		
122	CLASSROOM	VCT	RB1					APC1		
122A	CLOSET	ETR								
123	CLASSROOM	VCT	RB1					APC1		
123A	CLOSET	ETR								
124	CLASSROOM	VCT	RB1					APC1		
124A	CLOSET	ETR								
125	COMPUTER CLASSROOM	VCT	RB1					APC1		
125A	CLOSET	ETR								
126	MUSIC CLASSROOM	VCT	RB1	P1	P1	P1	P1	APC1	Type 2	
126A	CLOSET	ETR						Painted Gyp.		
127	BOY'S RESTROOM	RF1	RF1 Flashed-Up Cove	P1	P1	P1	P1	APC1		
128	MEDIA CENTER	CPT2	RB1	P3	P3	P3	P3	APC1 & Painted Gyp.	Type 1	Paint at ceiling may have up to 3 bright accent colors
128A	WORKROOM	VCT	RB1	P2	P2	P2	P2	APC1		
128A	MDF	SC1	Color-matching Caulk	P2	P2	P2	P2	N/A	Type 1	
128C	DRY FOOD STORAGE	QT1	QT1 Cove	P1	P1	P1	P1	APC3		
129	AV STORAGE	VCT	RB1	P2	P2	P2	P2	APC1		
130	ART CLASSROOM	SC2	RB1	P1	P1	P1	P1	APC1	Type 2	
131	ELEC/IT CLOSET	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
131A	Room	ETR								
132	PRESCHOOL CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
133	CHANGING ROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
134	RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
135	RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
136	PRESCHOOL CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
137	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
138	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
139	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
140	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
141	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
142	RESOURCE ROOM	VCT	RB1	P1	P1	P1	P1	APC1	N/A	
143	RESOURCE ROOM	VCT	RB1	P1	P1	P1	P1	APC1	N/A	
144	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
145	RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
146	CUSTODIAL	ETR	ETR	ETR	ETR	ETR	ETR	ETR	N/A	
147	RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	APC1	N/A	
148	FRC	VCT	RB1	P1	P1	P1	P1	APC1		
149	WORKROOM	VCT	RB1	P1	P1	P1	P1	APC1		
149A	RESTROOM	RF1	RF1 Flashed-Up Cove	P1				APC1		
150	RECORDS	VCT	RB1	P1	P1	P1	P1	APC1		
151	GUIDANCE OFFICE	CPT1	RB1	P1				APC1		
152	SBDM OFFICE	CPT1	RB1	P1				APC1		
153	PRINCIPAL'S OFFICE	CPT1	RB1	P1				APC1		
153	RESTROOM	ETR						APC1		
154	CONFERENCE ROOM	CPT1	RB1	P1				APC1		
155	FIRST AID	VCT	RB1	P1	P1	P1	P1	APC1		
155A	RESTROOM	RF1	RF1 Flashed-Up Cove	P1				APC1		
156	RECEPTION	VCT	RB1	P1	P1	P1	P1	APC1		
CA	CORRIDOR	VCT	RB1	P1	P1	P1	P1	APC1		
CB	CORRIDOR	VCT	RB1	P1	P1	P1	P1	APC1		
CC	CORRIDOR	VCT	RB1	P1	P1	P1	P1	APC1		
CD	CORRIDOR	ETR	ETR	ETR	ETR	ETR	ETR	APC1 & Painted Gyp.	N/A	
CE	CORRIDOR	VCT	RB1	P1	P1	P1	P1	APC1		
CF	CORRIDOR	VCT	RB1	P1	P1	P1	P1			
LB	LOBBY B	VCT	RB1	P1	P1	P1	P1	APC1		
LC	LOBBY C	ETR	ETR	ETR	ETR	ETR	ETR	APC1 & Painted Gyp.	N/A	
VA	VESTIBULE A	VCT	RB1	P1	P1	P1	P1	APC1		
VB	VESTIBULE B	VCT	RB1					APC1		
X	MECHANICAL	SC1	Color-matching Caulk	P1	P1	P1	P1			

FINISH LEGEND

SPEC SECTION	KEY	BASIS OF DESIGN
	ETR	EXISTING TO REMAIN
03 30 00	SC1	SEALED CONCRETE
06 41 00	WC1	WOOD VENEER CABINETS
	WW1	WOOD WAINSCOT
	HPL1	PLASTIC LAMINATE - COUNTERTOPS
	HPL2	PLASTIC LAMINATE - BASE & WALL CABINETS
	SS1	SOLID SURFACE - RESTROOM COUNTERTOP
	STST1	STAINLESS STEEL COUNTERTOP
	IAW1	PAINTED OR STAINED WOOD BASE/TRIM/MOULDING
08 14 16	WD1	WOOD DOOR
09 21 16	FRP1	FIBERGLASS REINFORCED PANELS
09 30 00	CT1	CERAMIC FLOOR TILE
	CT2	CERAMIC WALL TILE
	QT1	QUARRY TILE
09 51 13	APC1	ARMSTRONG - SCHOOL ZONE FINE FISSURED - 2X2
	APC2	ARMSTRONG - CALLA - 2X2
	APC3	ARMSTRONG - KITCHEN ZONE - 2X2
09 54 26	LWS1	LINEWAR WOOD WALL & CEILING SYSTEM
09 64 29	HW1	ENGINEERED HARDWOOD - ACRYLIC INFUSED
09 64 29 A	WSP1	WOOD STRIP & PLANK FLOORING
09 64 31	WSF1	WOOD STAGE FLOORING
09 64 66	GWF1	GYMNASIUM WOOD FLOORING
09 65 00	RT1	RUBBER TILE
	VCT1	VINYL COMPOSITION TILE
	SVT1	SOLID VINYL TILE
09 65 02	LVT1	LUXURY VINYL TILE
09 65 13	RB1	TYP. 4"H RESILIENT BASE (COVE - ROLLS)
	RST1	RESILIENT STAIR TREAD & RISER - VINYL CONTRAST
09 66 23	TR1	PRECAST TERRAZZO STAIR TREAD & RISER
	T1	TERRAZZO (EPOXY)
09 67 23	RF1	RESINOUS FLAKE EPOXY (CUSTOM - 3 COLOR 1/4" FLAKE)
09 68 13	CPT1	CARPET TILE
	CPT2	CARPET TILE
09 72 01	DWC1	DRY ERASE WALL COVERING
09 72 60	TWC1	TACKABLE WALL COVERING
09 84 10	FWP1	FABRIC WRAPPED ACOUSTICAL WALL PANELS
09 90 00	P1	PAINTING - TYPICAL
	P2	PAINTING - NEUTRAL ACCENT
	P3	PAINTING - ACCENT
10 26 00	CG1	48"H CORNER GUARD - SURFACE MOUNT
	WP2	WALL SURFACE PROTECTION - ACROVYN BY DESIGN
12 24 13	RWS1	MANUAL ROLLER WINDOW SHADES
	BWS1	BLACKOUT WINDOW SHADES - DOOR LITES
12 34 50	SLC1	SCIENCE LAB - WOOD BASE & WALL CABINETS
	SLC2	SCIENCE LAB - EPOXY OR PHENOLIC COUNTERTOPS
12 35 50	HPL3	PLASTIC LAMINATE - COUNTERTOPS
	HPL4	PLASTIC LAMINATE - BASE & WALL CABINETS

EQUIPMENT LEGEND

A4	4'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
A6	6'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
AM	MATTE 6'-0" MARKERBOARD FOR PROJECTED IMAGES - PROJECTOR BY OWNER	REFER TO SPEC.
A8	8'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
A10	10'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
A12	12'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
A16	16'-0"W X 4'-0"H MARKERBOARD	REFER TO SPEC.
B4	4'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
B6	6'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
B8	8'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
B10	10'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
B12	12'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
B16	16'-0"W X 4'-0"H TACKBOARD	REFER TO SPEC.
C	CORNER GUARD	REFER TO SPEC.
D	TACK STRIP MOUNT 2" BELOW CEILING AT ROOM PERIMETER	REFER TO SPEC.
E	24" x 60" MIRROR	REFER TO SPEC.
F	STUDENT COMPUTER LOCATIONS	N.I.C.
G	INSTRUCTOR'S DESK/LECTERN	N.I.C.
H	FLOOR MODEL PLOTTER	N.I.C.
I	RECESSED SCIENCE SHOWER	REFER TO SPEC.
J	FREE STANDING COPIER	N.I.C.
K	FLORAL COOLER/CASE	N.I.C.
L1	LOCKERS - SINGLE TIER, QTY INDICATED ON PLANS	REFER TO SPEC.
L2	LOCKERS - DOUBLE TIER, QTY INDICATED ON PLANS	REFER TO SPEC.
L3	LOCKERS - ATHLETIC (MVP), QTY INDICATED ON PLANS	REFER TO SPEC.
L4	LOCKERS - DOUBLE TIER, DIAMOND VENTED QTY INDICATED ON PLANS	REFER TO SPEC.
M	ADULT CHANGING TABLE	REFER TO SPEC.
N	GOGGLE CABINET	REFER TO SPEC.
O	FIRST AID KIT W/FIRE BLANKET BELOW	REFER TO SPEC.
P	MOBILE COMPUTER CART	N.I.C.
Q	FLAMMABLE CABINET	N.I.C.
R	PEG BOARD WITH DRIP TRAY	REFER TO SPEC.
S	SWING ON FRAME	N.I.C.
T	MOP AND BROOM HOLDER	REFER TO SPEC.
U	ICE MACHINE	N.I.C.
V	WALL BRACKET FOR LCD SCREEN	N.I.C.
W	SERVER RACK	N.I.C.
X	BACKGROUND CURTAIN	REFER TO SPEC.
Y	ACID STORAGE CABINET	REFER TO SPEC.
Z	FLAMMABLE STORAGE CABINET	REFER TO SPEC.
AA	WALL MOUNTED EYE WASH	REFER TO SPEC.
BB	OPERABLE PANEL PARTITION	REFER TO SPEC.
CC	LOCKER BENCH, 3' LONG	REFER TO SPEC.
DD	2'-0" WIDE WALL PADS	REFER TO SPEC.
EE	LIBRARY DETECTION SYSTEM	N.I.C.
FF	ADJUSTABLE STEEL SHELVING	N.I.C.
GG	TRAINING TABLES	N.I.C.
HH	STANDING INTERNET ACCESS STATION	REFER TO SPEC.
II	DEMONSTRATION MIRROR	REFER TO SPEC.
JJ	COT	N.I.C.
KK	PLATE GLASS MIRROR 4" - 6'-0", SEE PLAN FOR WIDTH	REFER TO SPEC.
LL	CHALKBOARD	REFER TO SPEC.
MM	INTERACTIVE BOARD	N.I.C.
NN	COAT HOOKS	REFER TO SPEC.
OO	PROJECTION SCREEN WALL MOUNTED, MANUAL	REFER TO SPEC.
PP	PROJECTION SCREEN RECESSED, MANUAL	REFER TO SPEC.
QQ	PROJECTION SCREEN RECESSED, MOTORIZED	REFER TO SPEC.
RR	CEILING (SEMI-FLUSH) MOUNTED PROJECTOR BRACKET	REFER TO SPEC.
SS	CEILING (POLE) MOUNTED PROJECTOR BRACKET	REFER TO SPEC.

OPTIMUM MOUNTING HEIGHTS

ITEM (DIMENSION TO)	GRADE LEVEL				
	PRE-SCHOOL KINDERGARTEN	1 THRU 3	4 THRU 6	7 THRU 9	10 THRU 12
VISUAL DISPLAY BOARDS - MARKER, TACK, CHALK	TOP 70" BOTTOM 22"	TOP 73" BOTTOM 25"	TOP 77" BOTTOM 29"	TOP 80" BOTTOM 32"	TOP 80" BOTTOM 34"
COUNTERTOP: STANDING POSITION (TOP)	24"	26"	30"	34"	36"
DESKTOP/TABLETOP: SEATED POSITION (TOP)	18"	20"	23"	26"	27"
PANIC DEVICE DOOR HARDWARE (CENTERLINE)	27"	31"	36"	40"	42"
FIRE EXTINGUISHER CABINET (BOTTOM)	32"			40"	
FIRE EXTINGUISHER CABINET (CENTER OF VALVE LINE)	64"			64"	
COAT HOOK (CENTERLINE)	36"	41"	48"	54"	55"

MATERIAL REFERENCE

ROOM FINISH NOTES

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

EPOXY SINK LEGEND

EP-1	ROUND CUPSINK 8" DIA. X 8" D
EP-2	ACCESSIBLE DROP-IN 15"W X 18"L X 4 1/2"D
EP-3	RECTANGULAR CUPSINK 5 1/2" W X 15"L X 6"D

SIGNAGE TYPES

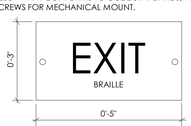
SEE SPECIFICATION 101424 FOR SIGN MANUFACTURING AND INSTALLATION DETAILS

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")"H X 18"W PANEL SIGN WITH ARROWS AND NUMBERS AND TEXT

SIGN TYPE 6 (EXIT STAIR) : 5"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

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

ROOM FINISH SCHEDULE
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

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

BG# 22-053

Project No: 2139
Drawn By: Author
Rev'd By: Checker

SHEET RELEASE

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DESIGN DEVELOPMENT

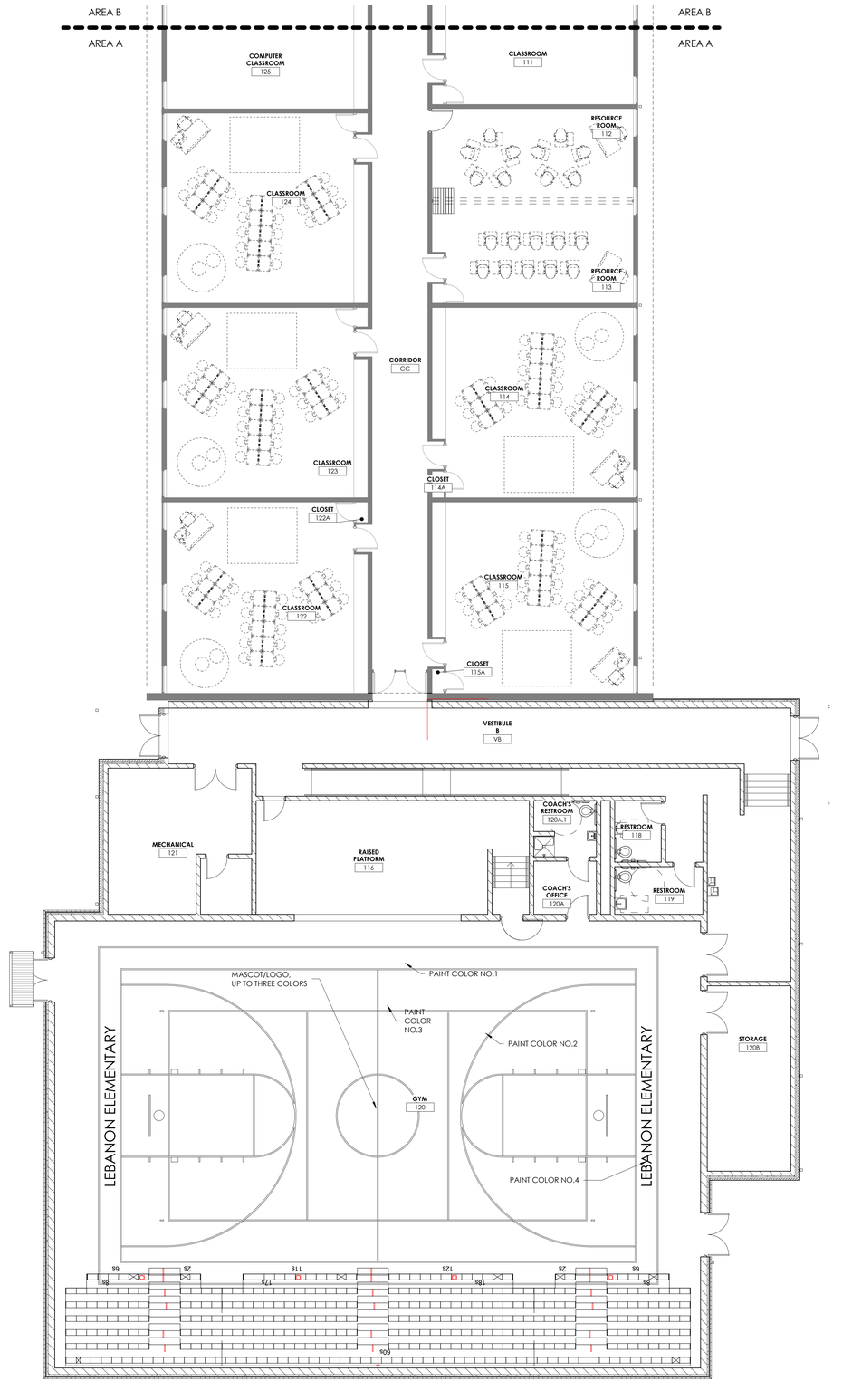
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ROOM FINISH SCHEDULE

DATE ISSUED:
MAY 4, 2022

REVISIONS

#	DATE	DESCRIPTION

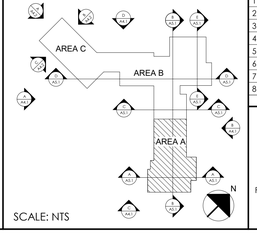


FIRST FLOOR PLAN - NEW WORK - AREA A - FF&E
1/8" = 1'-0"

1
A2.1

MATERIAL REFERENCE

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

FLOOR PLAN AREA A - FF&E
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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DESIGN DEVELOPMENT

A2.1

FLOOR PLAN AREA A - FF&E

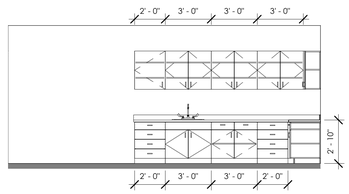
DATE ISSUED:
MAY 4, 2022

REVISIONS

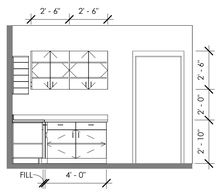
#	DATE	DESCRIPTION

MATERIAL REFERENCE

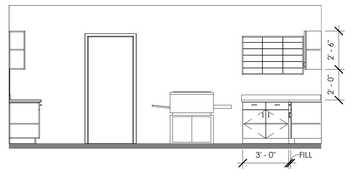
123550.A1	Plastic Laminate Base Cabinet
123550.A4	Plastic Laminate Wall Cabinet
123550.B2	Plastic Laminate Countertop & Backsplash
123550.B3	Plastic Laminate Countertop w/ Back & Side Splashes



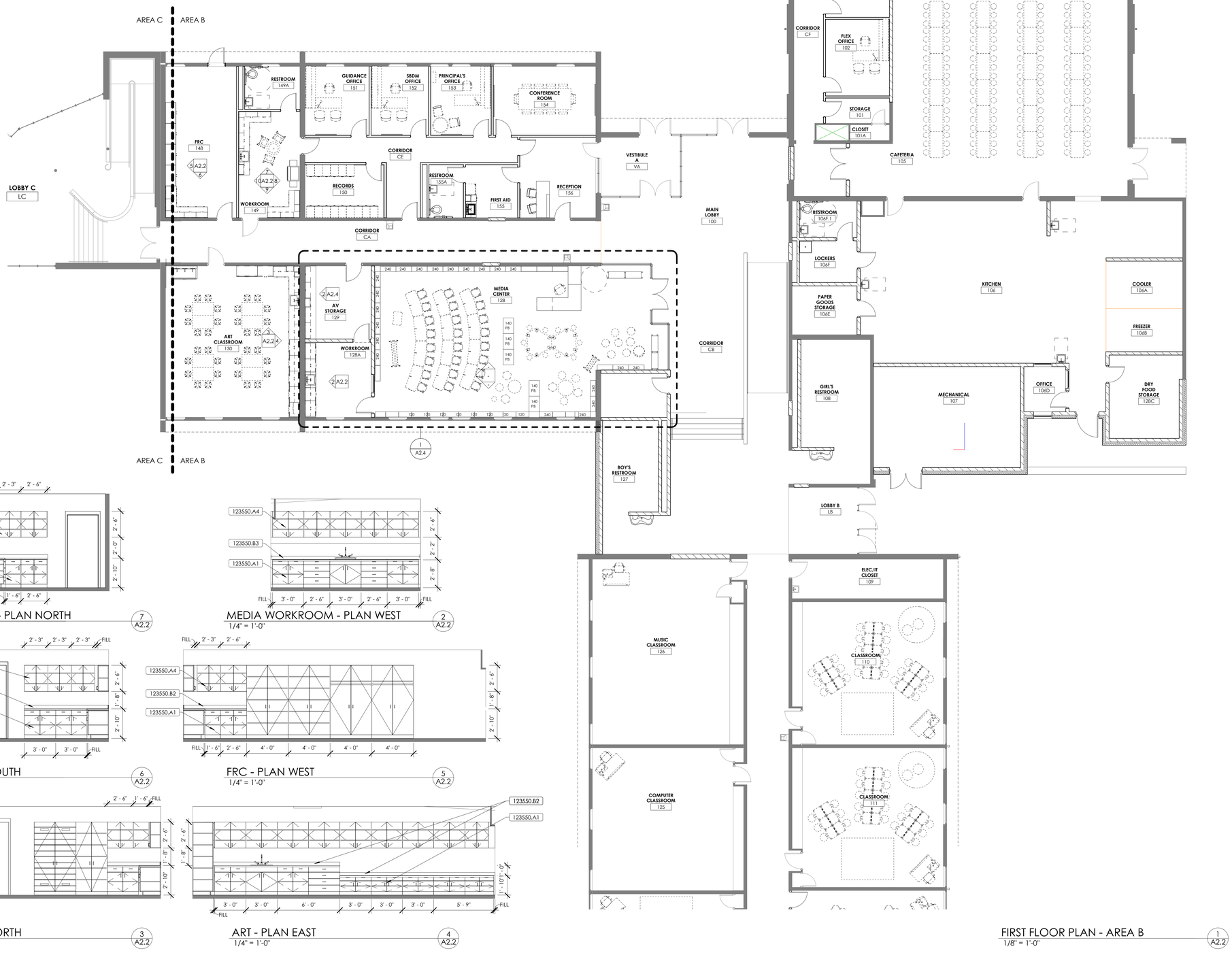
WORKROOM - PLAN WEST
1/4" = 1'-0"
10 A2.2

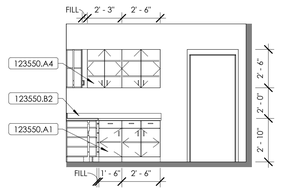


WORKROOM - PLAN SOUTH
1/4" = 1'-0"
9 A2.2



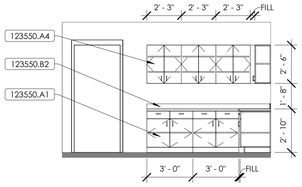
WORKROOM - PLAN EAST
1/4" = 1'-0"
8 A2.2





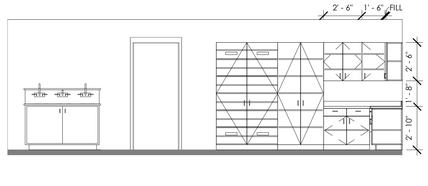
WORKROOM - PLAN NORTH
1/4" = 1'-0"
7 A2.2

MEDIA WORKROOM - PLAN WEST
1/4" = 1'-0"
2 A2.2



FRC - PLAN SOUTH
1/4" = 1'-0"
6 A2.2

FRC - PLAN WEST
1/4" = 1'-0"
5 A2.2

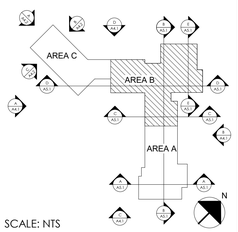


ART - PLAN NORTH
1/4" = 1'-0"
3 A2.2

ART - PLAN EAST
1/4" = 1'-0"
4 A2.2

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

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

FLOOR PLAN AREA B - FF&E
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

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

BG# 22-053

Project No:	2139
Drawn By:	Author
Rev'd By:	Checker

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DESIGN DEVELOPMENT

A2.2

FLOOR PLAN AREA B - FF&E

DATE ISSUED:
MAY 4, 2022

REVISIONS

#	DATE	DESCRIPTION

MATERIAL REFERENCE

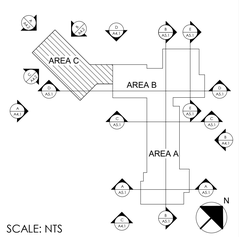
123550.A1	Plastic Laminate Base Cabinet
123550.A4	Plastic Laminate Wall Cabinet
123550.A7	Plastic Laminate Full-Ht. Wardrobe Cabinet & Lock
123550.B2	Plastic Laminate Countertop & Backsplash



FIRST FLOOR PLAN - NEW WORK - AREA C - FF&E
1/8" = 1'-0"

RESOURCE - CASEWORK
1/4" = 1'-0"
2 A2.3

KEY PLAN



SCALE: NTS

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

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FLOOR PLAN AREA C - FF&E
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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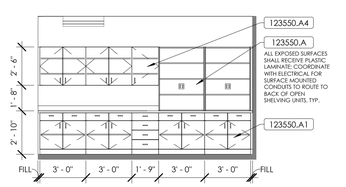
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FLOOR PLAN AREA C - FF&E

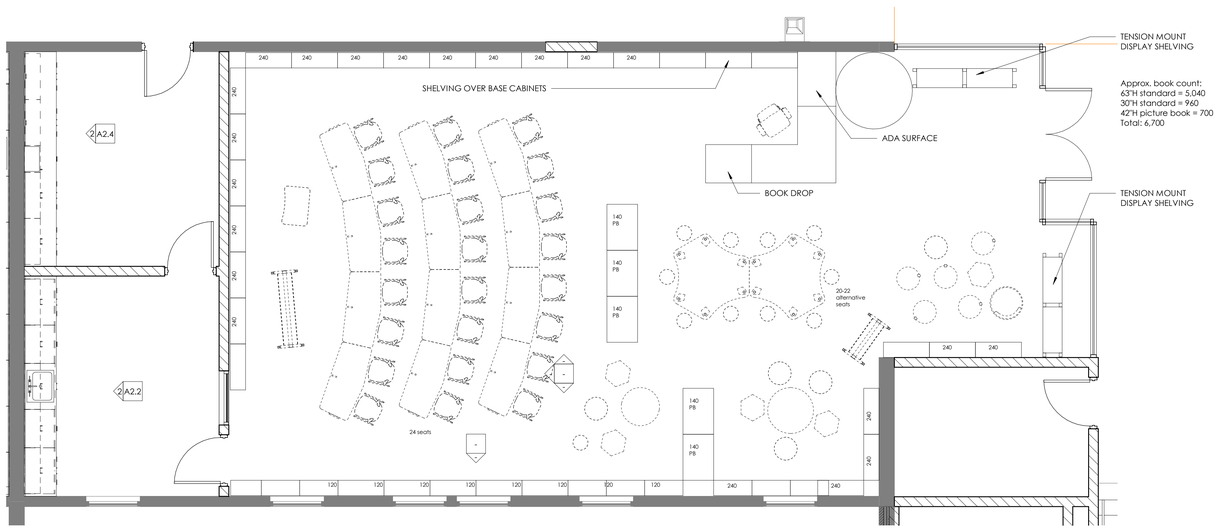
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AV STORAGE - PLAN WEST
1/4" = 1'-0"
2 A2.4



MEDIA CENTER - ENLARGED PLAN
1/4" = 1'-0"
1 A2.4

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ENLARGED MEDIA CENTER PLAN - FF&E
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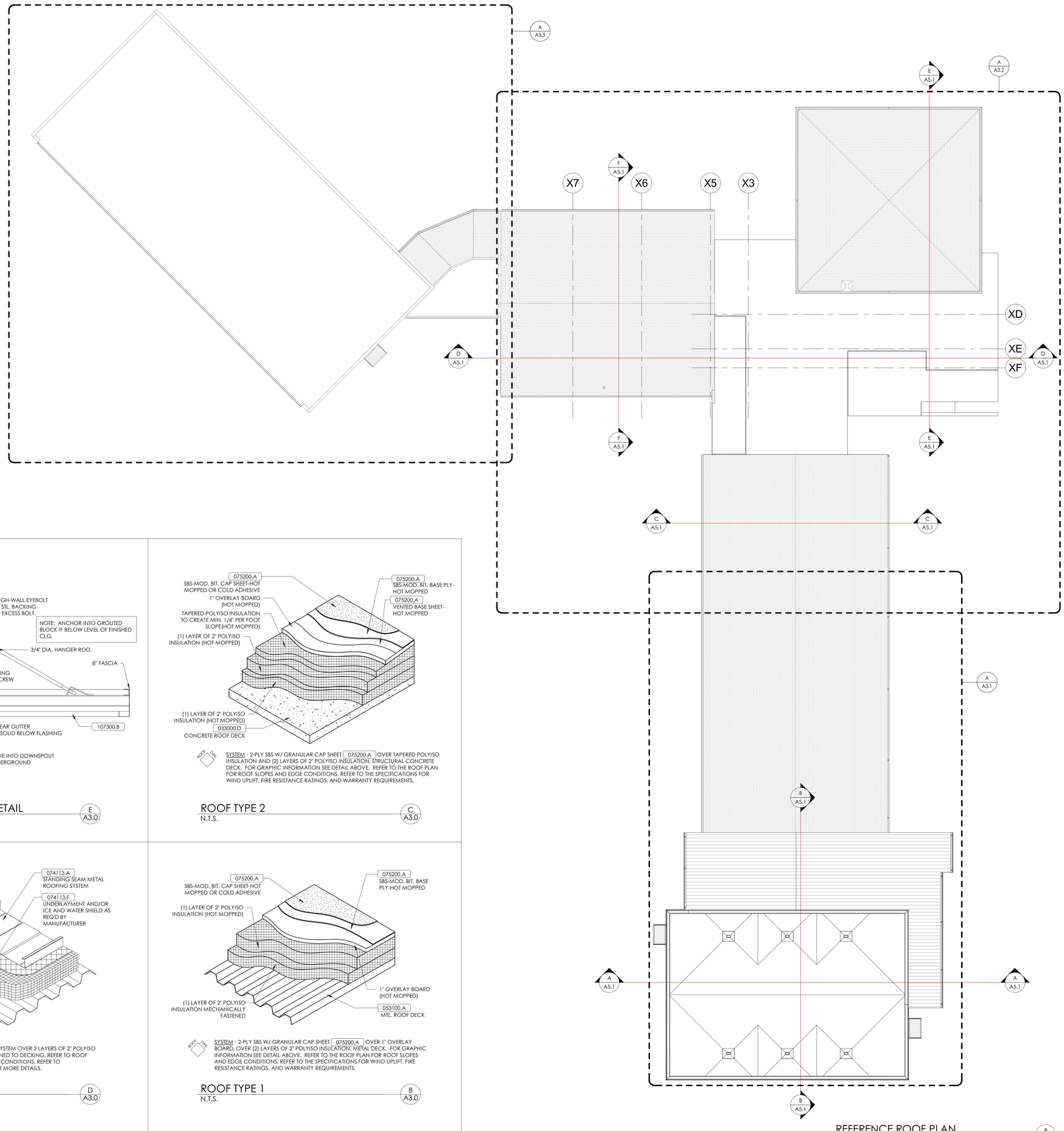
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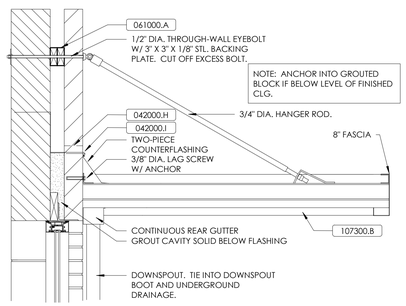
ENLARGED MEDIA CENTER PLAN - FF&E
DATE ISSUED:
MAY 4, 2022

REVISIONS

#	DATE	DESCRIPTION



REFERENCE ROOF PLAN
1/16" = 1'-0"
A A3.0

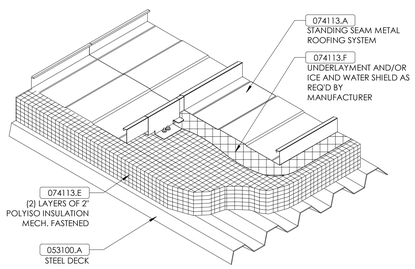


ALUMINUM CANOPY DETAIL
N.T.S.
E A3.0

ROOF TYPE 2

SYSTEM - 2-PLY SBS W/ GRANULAR CAP SHEET 075200.A OVER TAPERED POLYISO INSULATION AND (2) LAYERS OF 2" POLYISO INSULATION, STRUCTURAL CONCRETE 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.

N.T.S.
C A3.0



ROOF TYPE 3

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

N.T.S.
D A3.0

ROOF TYPE 1

SYSTEM - 2-PLY SBS W/ GRANULAR CAP SHEET 075200.A OVER 1" OVERLAY BOARD, OVER (2) LAYERS OF 2" POLYISO INSULATION, 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.

N.T.S.
B A3.0

MATERIAL REFERENCE

033000.D	Slab-on-Deck
042000.H	Vents and Weeps
042000.J	Through Wall Flashing
053100.A	Roof Deck
061000.A	Wood Blocking
074113.A	Metal Roof Panels
074113.E	Polyisocyanurate Insulation
074113.F	Ice and Water Shield
075200.A	SBS-Modified Bituminous Membrane Roofing System
107300.B	Wall Hung Metal Canopy

GENERAL ROOF NOTES

1. DRAWINGS ARE BASED UPON PARTIAL BUILDING PLANS PROVIDED BY OWNER AND UPON FIELD OBSERVATION.
2. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIVISIONS AND CONDITIONS PRIOR TO THE INSTALLATION OF THE NEW ROOFING SYSTEM. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING.
3. THE BUILDING IS TO BE OCCUPIED DURING CONSTRUCTION. THE OWNER IS TO HAVE COMPLETE USE OF THE FACILITIES EXCEPT FOR LIMITED AREAS AT LIMITED PERIODS OF TIME.
4. COORDINATE REMOVAL AND/OR INSTALLATION 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.
5. THE CONTRACTOR IS TO MAINTAIN THE BUILDING IN A WEATHER TIGHT CONDITION AGAINST INCLEMENT WEATHER AT ALL TIMES.
6. ANY ITEM NOT DESIGNATED AS "EXISTING" SHALL BE ASSUMED TO BE NEW.
7. FIELD VERIFY LOCATION PROPOSED FOR ALL DOWNSPOUTS TO ENSURE LOCATION FOR ATTACHMENT AND APPROPRIATE LOCATION TO DISCHARGE WATER TO CONC. SPLASH BLOCK ON GRADE, OR UNDERGROUND STORM PIPE AS SHOWN ON SITE DRAWINGS.
8. CONTRACTOR TO VERIFY ALL EXISTING INTERIOR ROOF DRAINS ARE OPEN AND DRAINING PROPERLY. NOTIFY ARCHITECT IF ANY DRAIN IS CLOGGED OR APPEARS TO BE DRAINING SLOWLY PRIOR TO START OF ROOFING DEMOLITION.
9. 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 OR NOT SHOWN HERE.
10. CONTRACTOR IS RESPONSIBLE FOR PAINTING ALL EXISTING DOWNSPOUT BOOTS ALONG THE PERIMETER OF THE EXISTING BUILDING. REFER TO SPECIFICATION SECTION (099000).

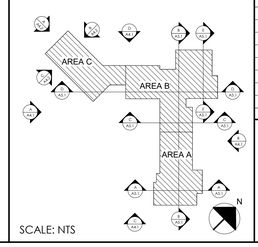
ROOF NOTES

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



SCALE: NTS

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

NOT FOR CONSTRUCTION

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BG# 22-053

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Rev'd By:	Checker

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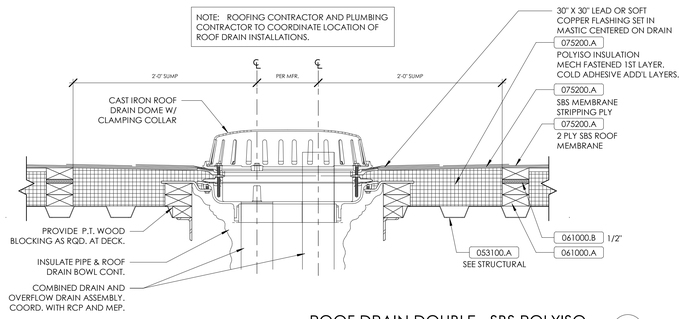
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REFERENCE ROOF PLAN

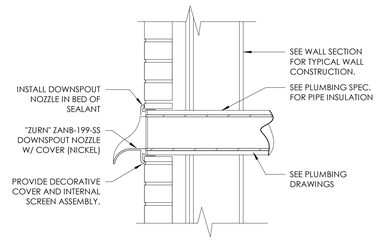
DATE ISSUED:
MAY 4, 2022

REVISIONS

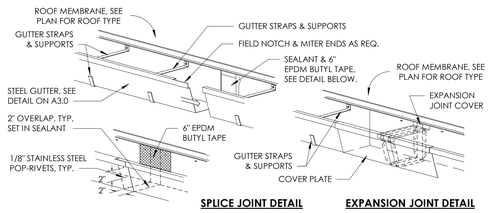
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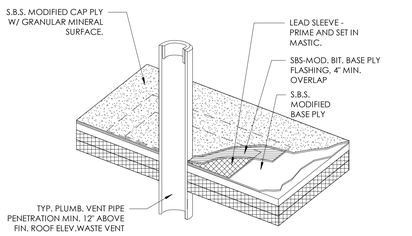
ROOF DRAIN DOUBLE - SBS POLYISO
1 1/2" = 1'-0"
1 A3.1



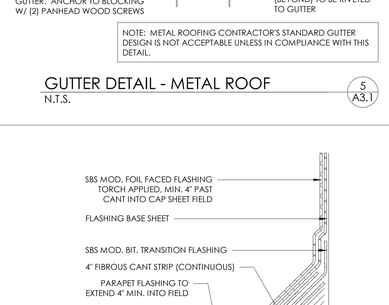
EMERGENCY OVERFLOW DETAIL
N.T.S.
9 A3.1



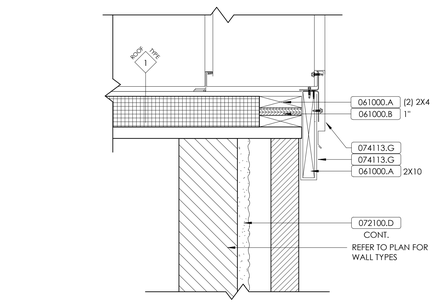
TYP. GUTTER EXP. & SPLICE JOINT
1" = 1'-0"
4 A3.1



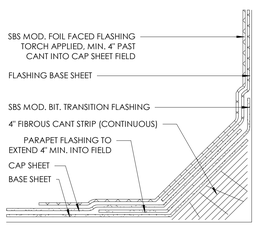
TYP. WASTE STACK DETAIL
N.T.S.
8 A3.1



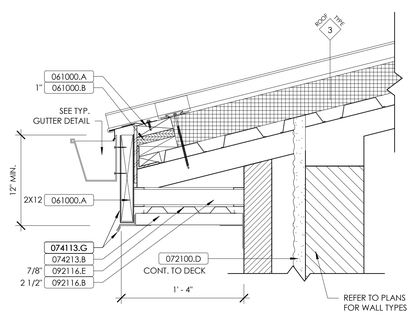
GUTTER DETAIL - METAL ROOF
N.T.S.
5 A3.1



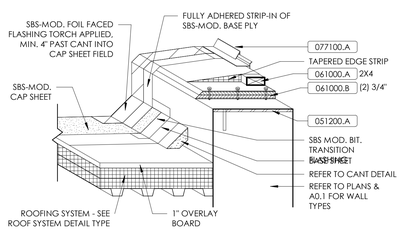
TYP. RAKE DETAIL - METAL
N.T.S.
6 A3.1



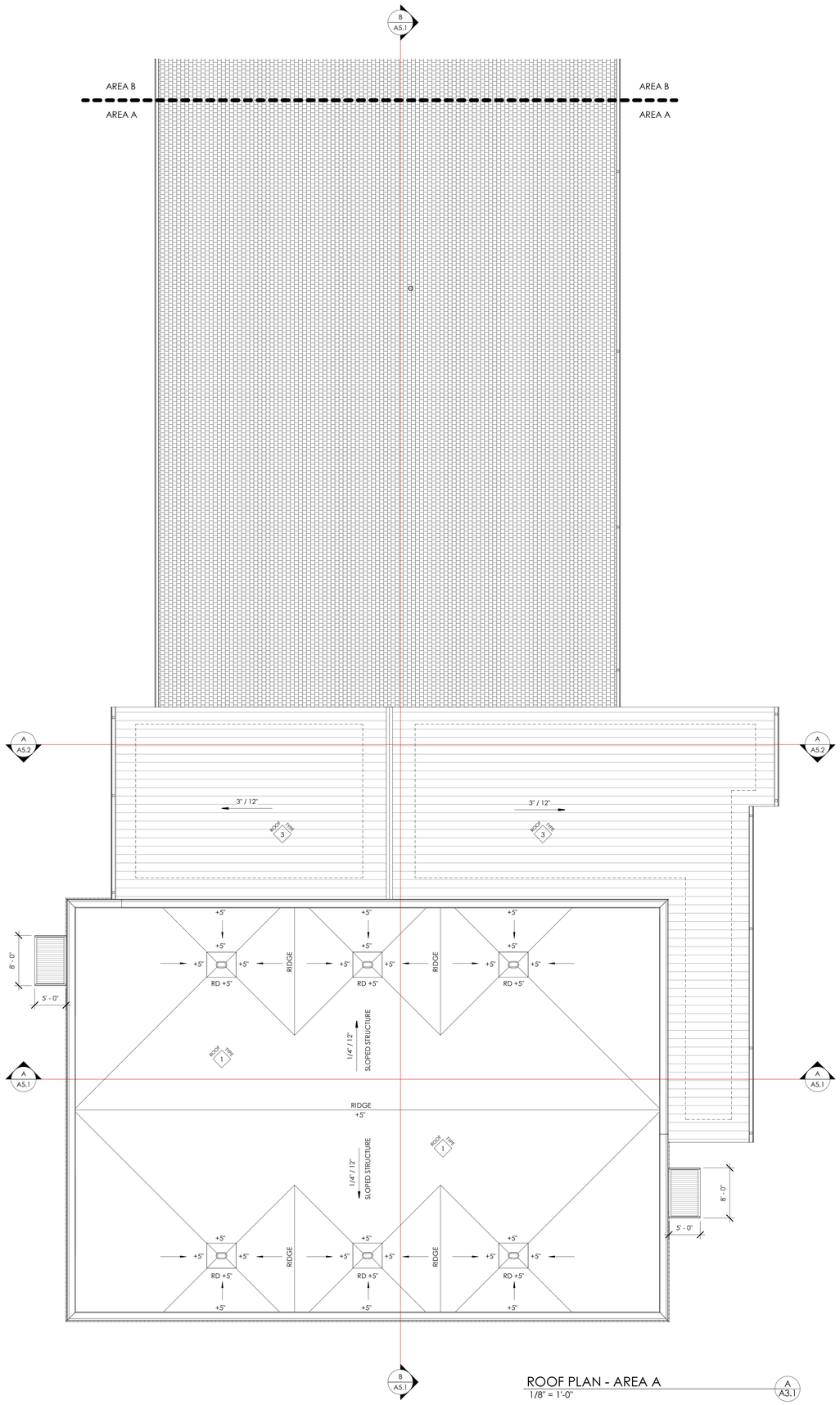
CANT DETAIL - SBS POLYISO
N.T.S.
2 A3.1



TYP. EAVE DETAIL - METAL
N.T.S.
7 A3.1



PARAPET FASCIA DETAIL - SBS POLYISO
N.T.S.
3 A3.1



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

MATERIAL REFERENCE

051200.A	Structural Steel Member
053100.A	Roof Deck
061000.A	Wood Blocking
061000.B	Plywood Sheathing
072100.D	Sprayed-In-Place Thermal Insulation
074113.C	Gutter
074113.D	Downspout
074113.G	Metal Wrap and Trim
074113.J	Drip Edge
074213.B	Metal Soffit Panels
075200.A	SBS-Modified Bituminous Membrane Roofing System
077100.A	Fascia
092116.B	Metal Studs and Runners
092116.E	Hat Channels

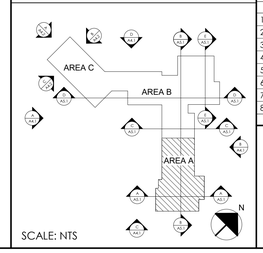
ROOF NOTES

ROOF LEGEND

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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



SCALE: NTS

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

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ROOF PLAN - AREA A
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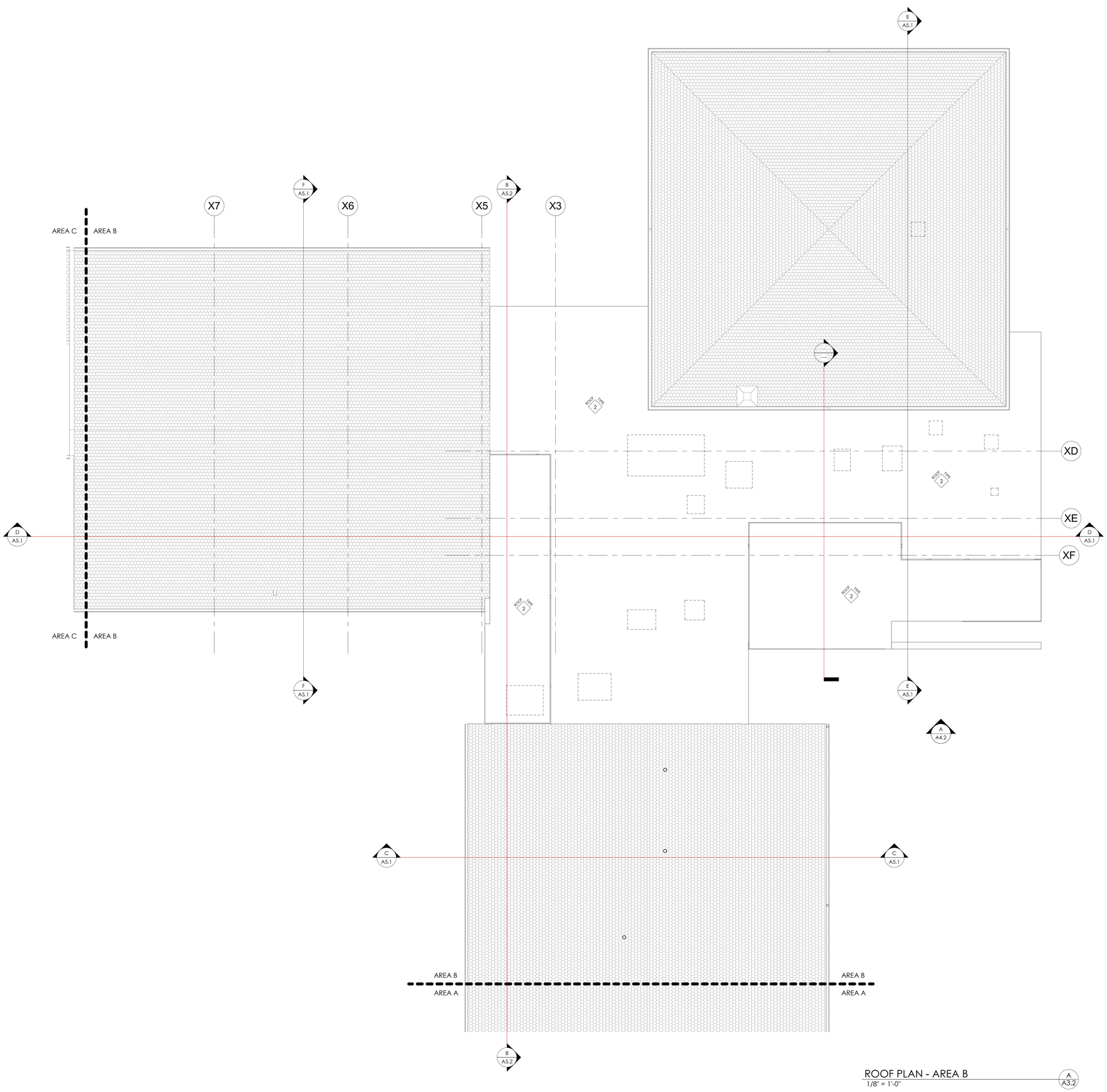
A3.1

ROOF PLAN - AREA A

DATE ISSUED:
MAY 4, 2022

REVISIONS

#	DATE	DESCRIPTION



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

MATERIAL REFERENCE

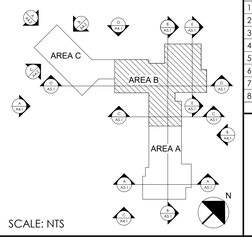
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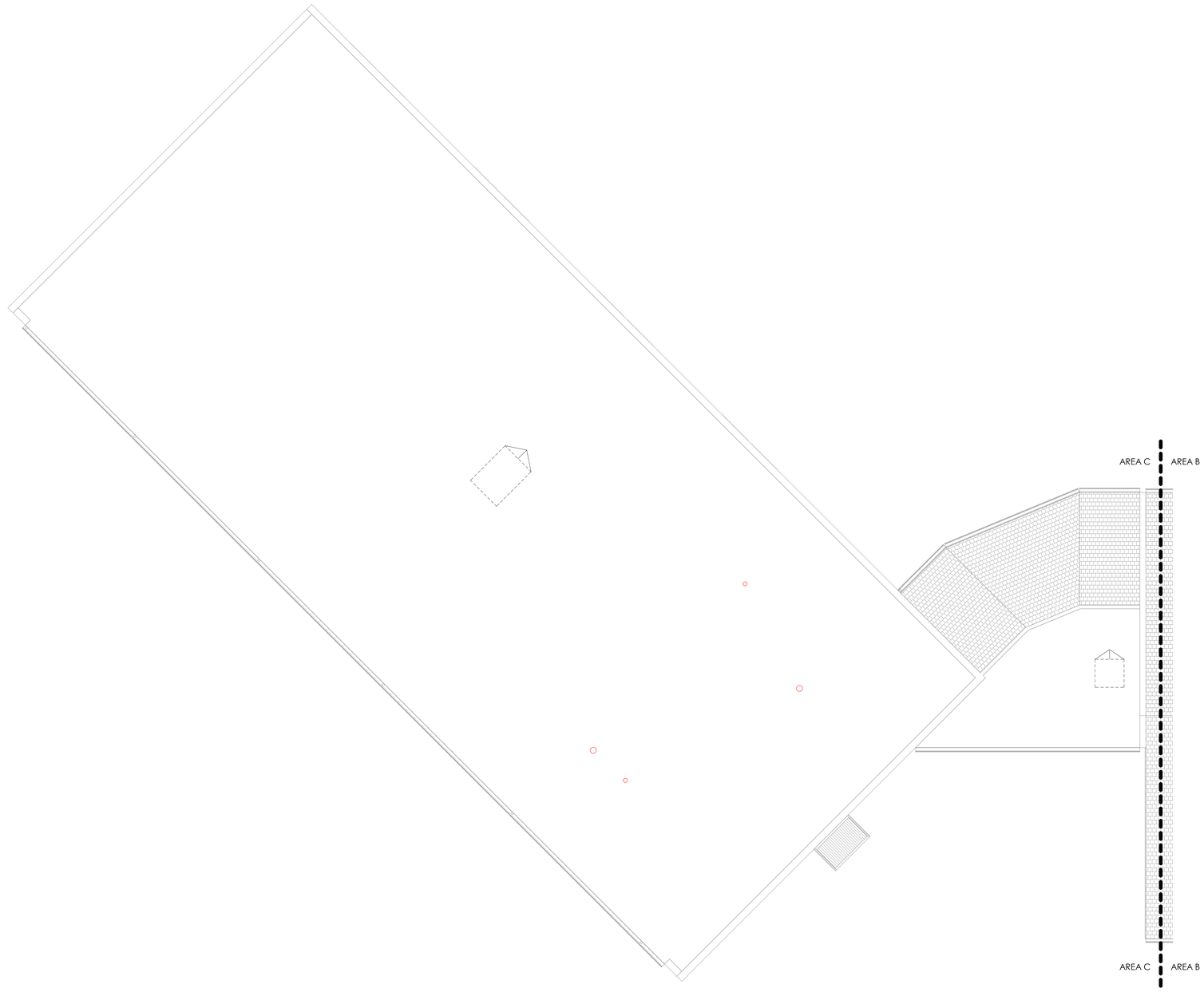
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ROOF PLAN - AREA B

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ROOF PLAN - AREA C
1/8" = 1'-0"
A
A3.3

SCALE: NTS

MATERIAL REFERENCE

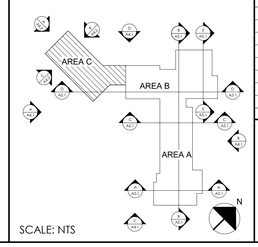
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RTU	ROOF TOP UNIT. COORDINATE WITH MEP AND FOOD SERVICE EQUIPMENT.	

KEY PLAN



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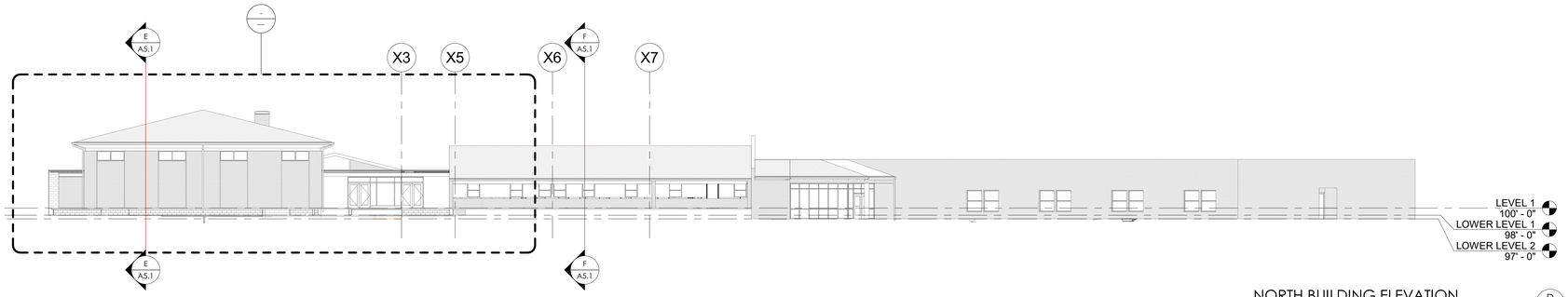
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ROOF PLAN - AREA C

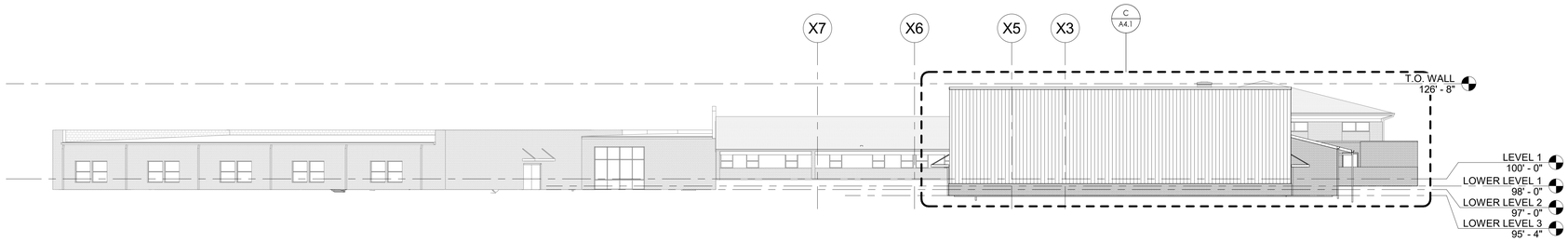
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MAY 4, 2022

REVISIONS

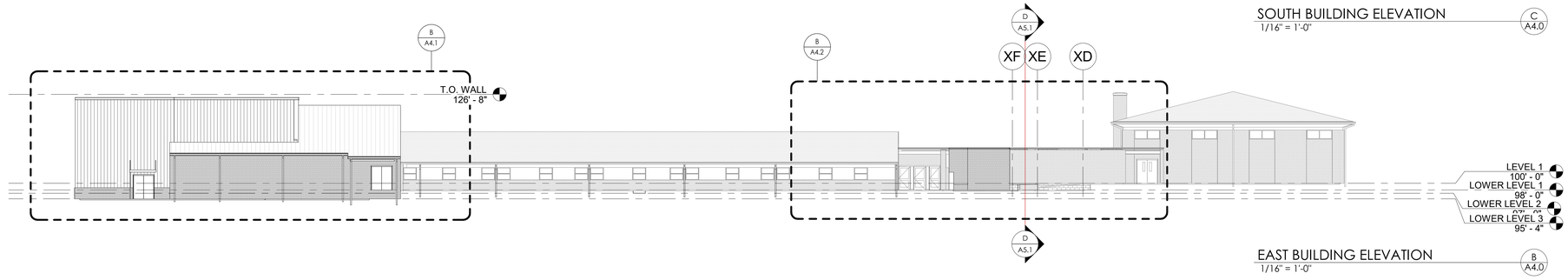
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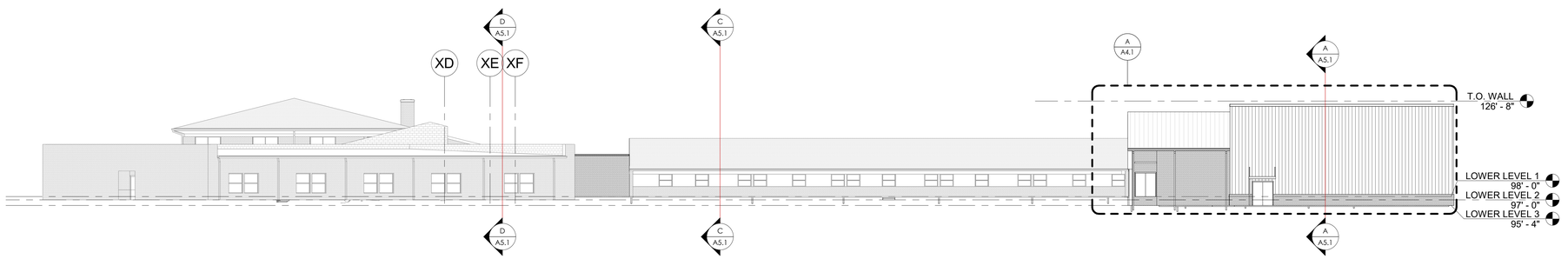
NORTH BUILDING ELEVATION
1/16" = 1'-0"
D
A4.0



SOUTH BUILDING ELEVATION
1/16" = 1'-0"
C
A4.0

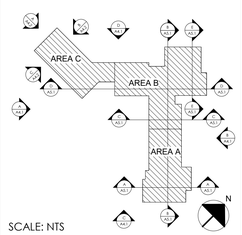


EAST BUILDING ELEVATION
1/16" = 1'-0"
B
A4.0



WEST BUILDING ELEVATION
1/16" = 1'-0"
A
A4.0

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

REFERENCE BUILDING ELEVATIONS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

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

BG# 22-053

Project No:	2139
Drawn By:	SMS
Rev'd By:	RB / MN

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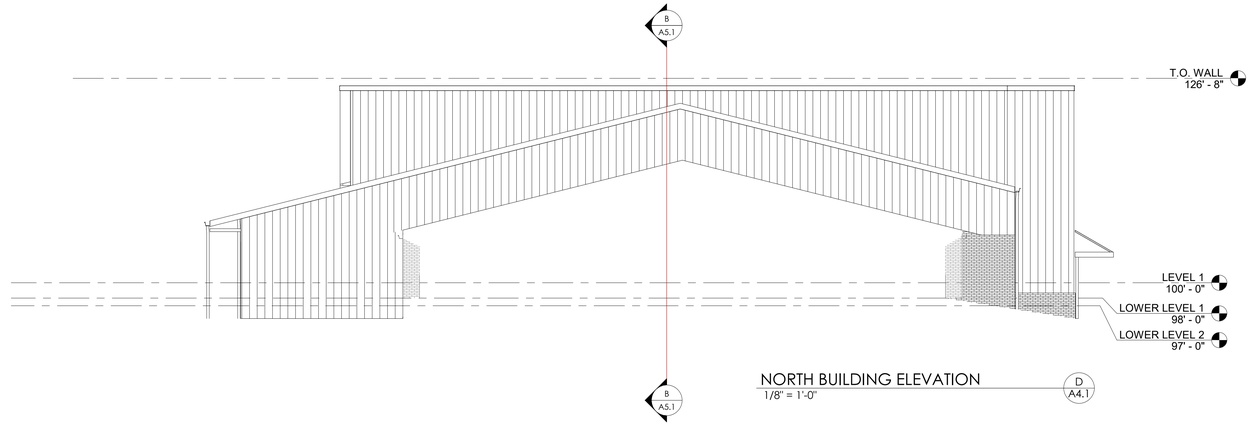
DESIGN DEVELOPMENT

A4.0

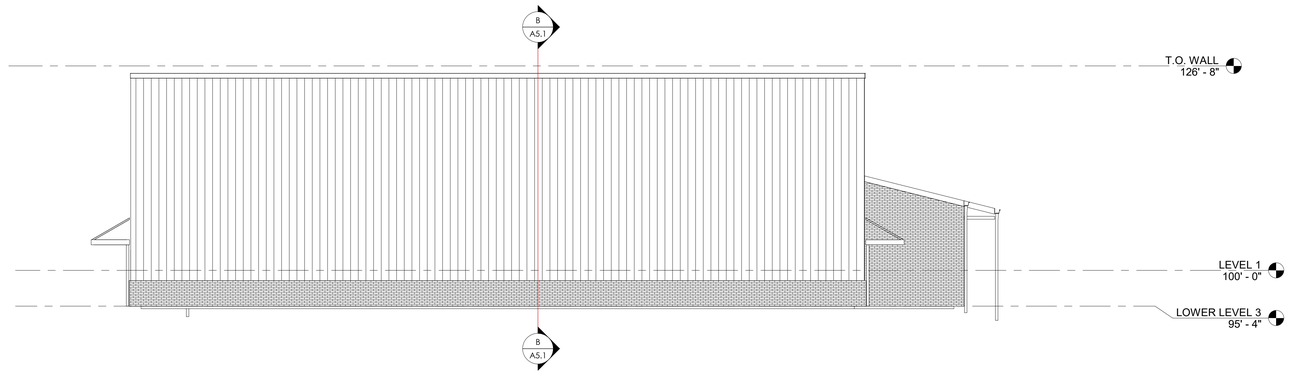
REFERENCE BUILDING ELEVATIONS
DATE ISSUED:
MAY 4, 2022

REVISIONS

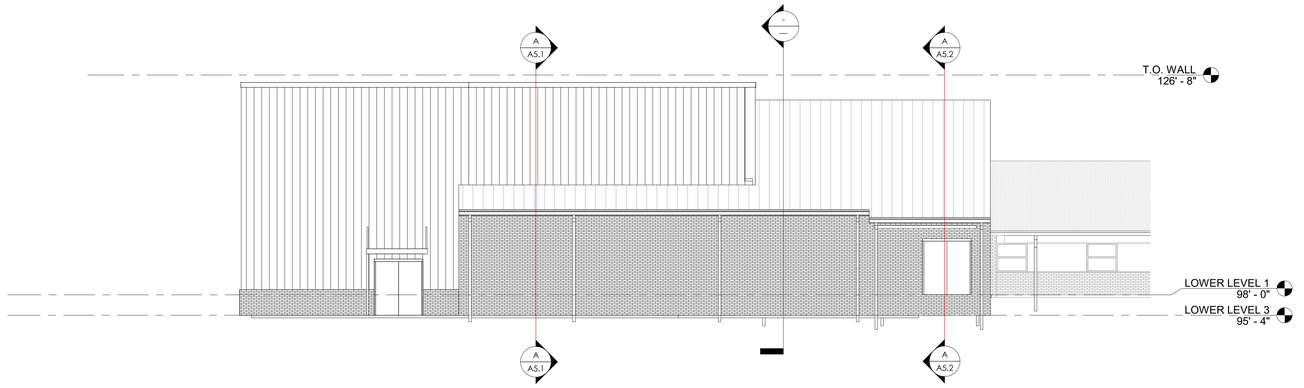
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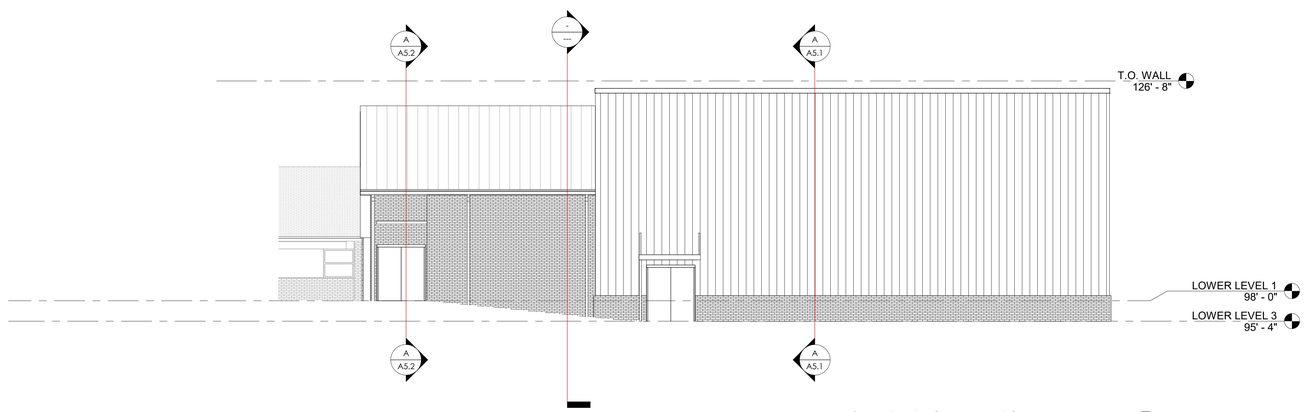
NORTH BUILDING ELEVATION
1/8" = 1'-0"
D
A4.1



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

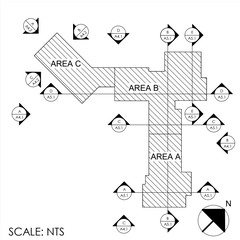


EAST BUILDING ELEVATION
1/8" = 1'-0"
B
A4.1



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

KEY PLAN



SCALE: NTS

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BUILDING ELEVATIONS

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BG# 22-053

Project No: 2139
Drawn By: Author
Rev'd By: Checker

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A4.1

BUILDING ELEVATIONS

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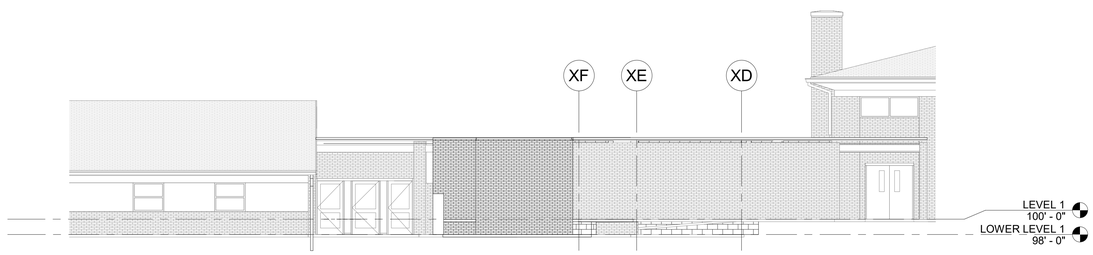
REVISIONS

#	DATE	DESCRIPTION

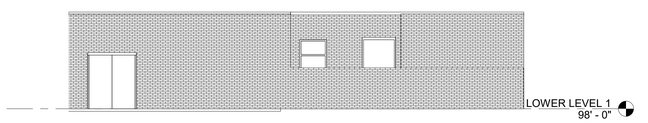
MATERIAL REFERENCE

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.

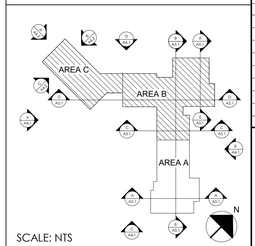


BUILDING ELEVATION
1/8" = 1'-0"
B
A4.2



AREA B PLAN SOUTH ELEVATION
1/8" = 1'-0"
A
A4.2

KEY PLAN



SCALE: NTS

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Rev'd By: RB / MN

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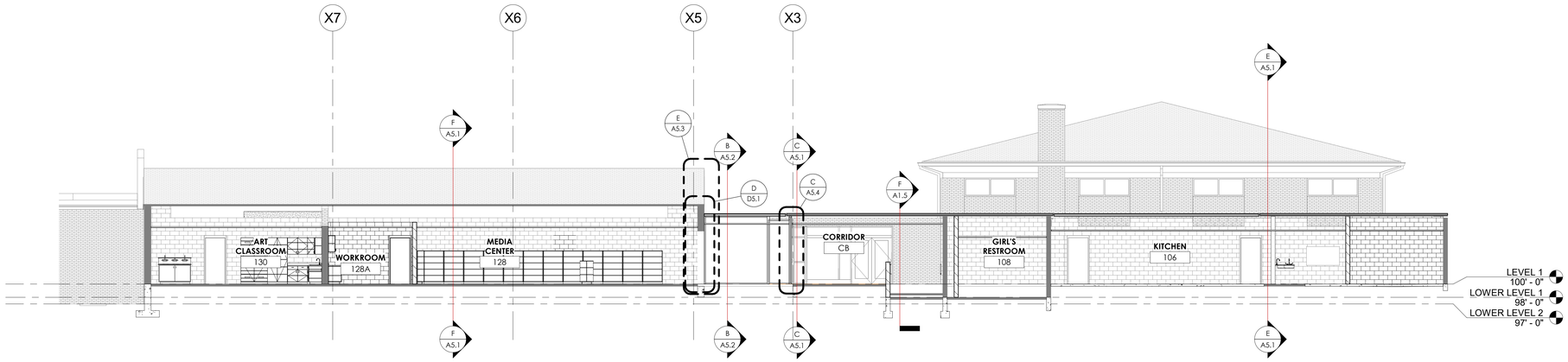
A4.2

BUILDING ELEVATIONS

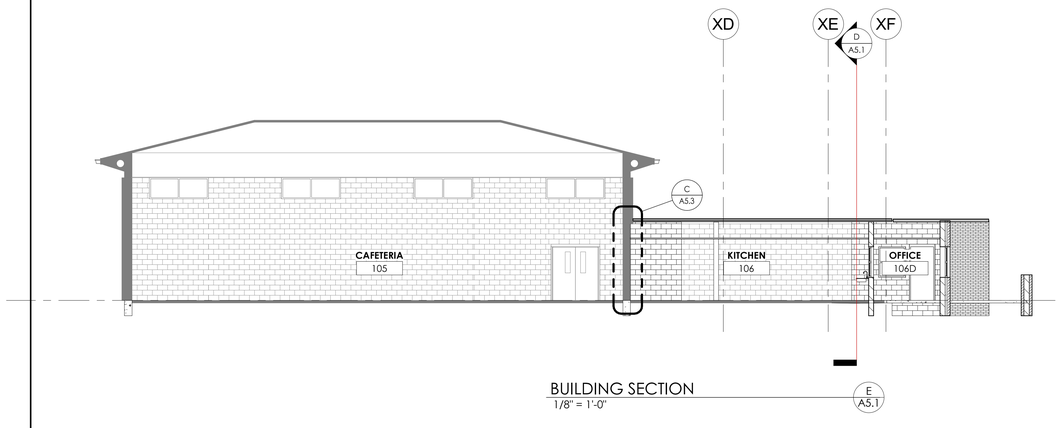
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REVISIONS

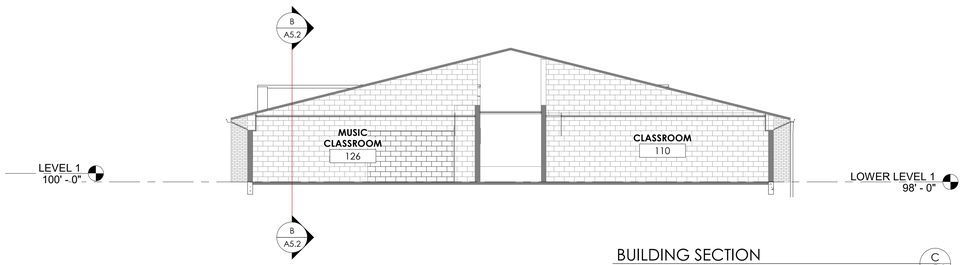
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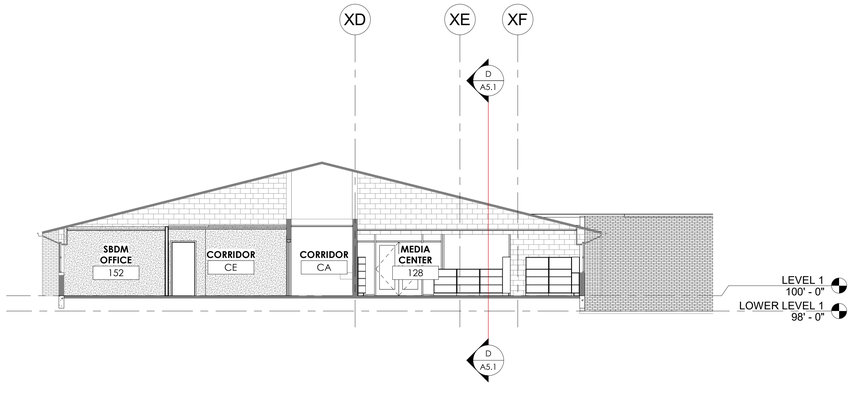
BUILDING SECTION
1/8" = 1'-0" D A5.1



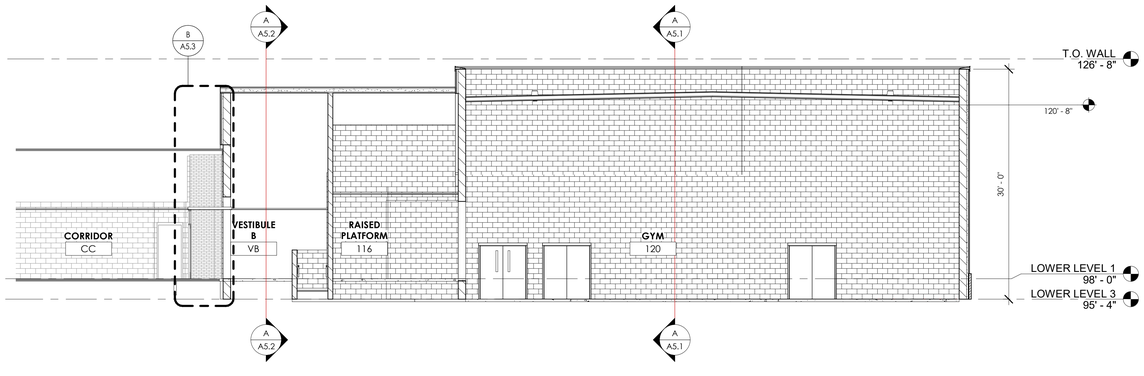
BUILDING SECTION
1/8" = 1'-0" E A5.1



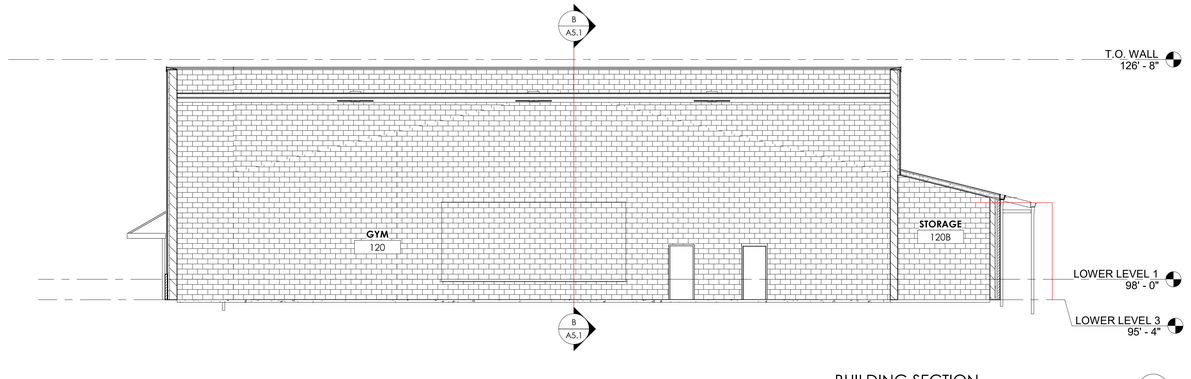
BUILDING SECTION
1/8" = 1'-0" C A5.1



BUILDING SECTION
1/8" = 1'-0" F A5.1



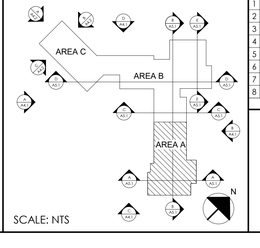
BUILDING SECTION
1/8" = 1'-0" B A5.1



BUILDING SECTION
1/8" = 1'-0" A A5.1

MATERIAL REFERENCE

KEY PLAN



SCALE: NTS

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BUILDING SECTIONS

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:
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LEBANON, KENTUCKY

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

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

BG# 22-053

Project No: 2139
Drawn By: SMS
Rev'd By: RB / MN

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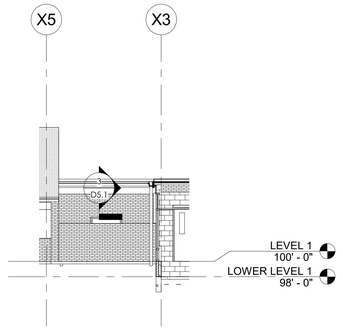
A5.1

BUILDING SECTIONS

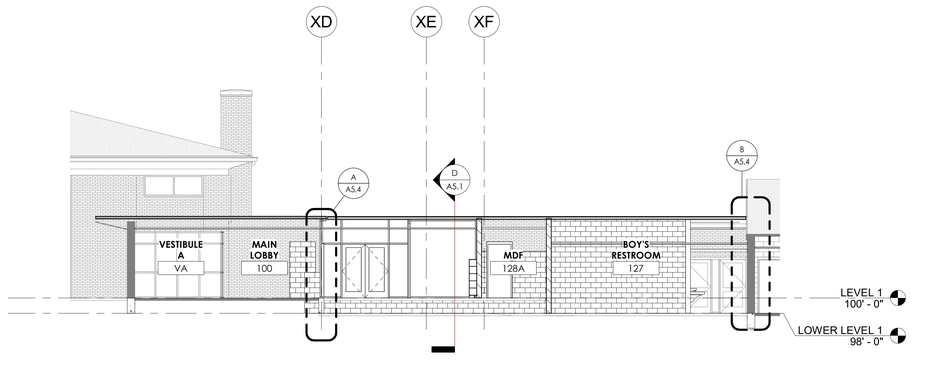
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REVISIONS

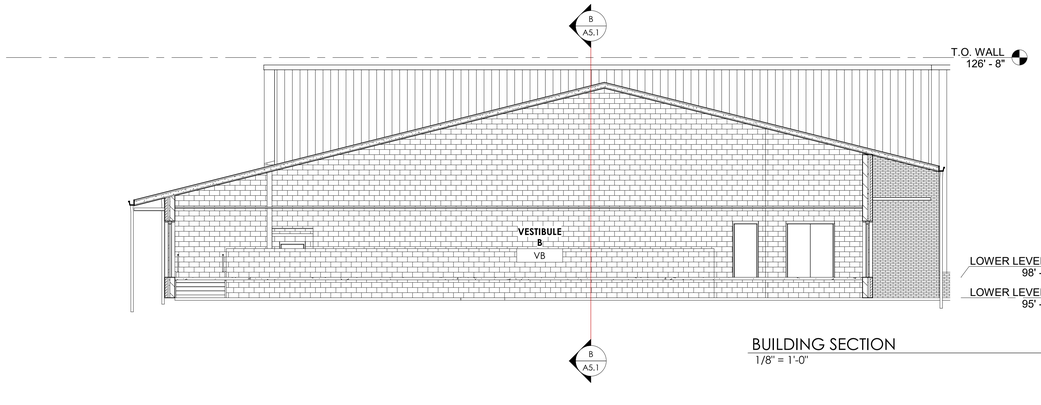
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BUILDING SECTION
1/8" = 1'-0"
C
A5.2

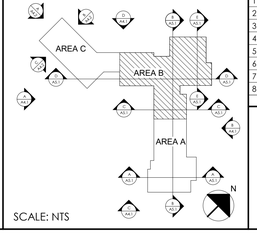


BUILDING SECTION
1/8" = 1'-0"
B
A5.2



BUILDING SECTION
1/8" = 1'-0"
A
A5.2

KEY PLAN



SCALE: NTS

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

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BUILDING SECTIONS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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Structural Engineer:
Structural Design Group, Inc.
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BG# 22-053

Project No: 2139
Drawn By: Author
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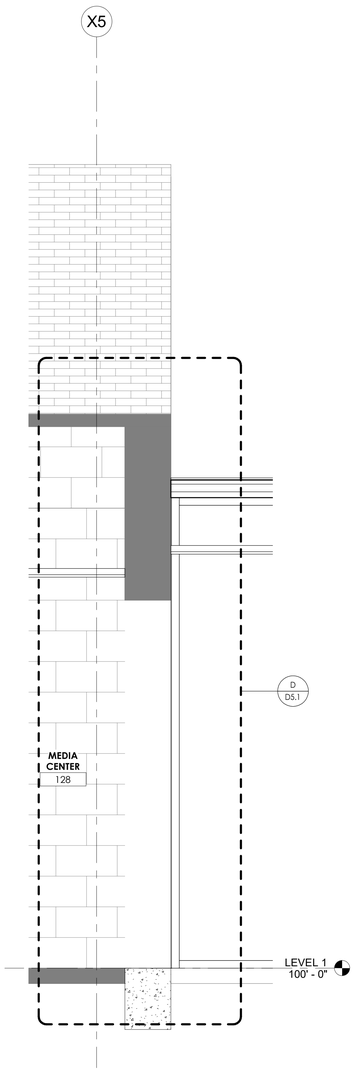
BUILDING SECTIONS

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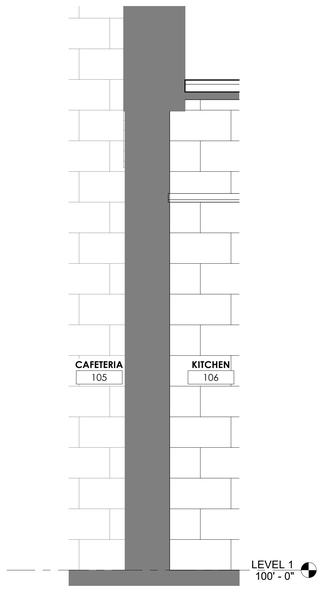
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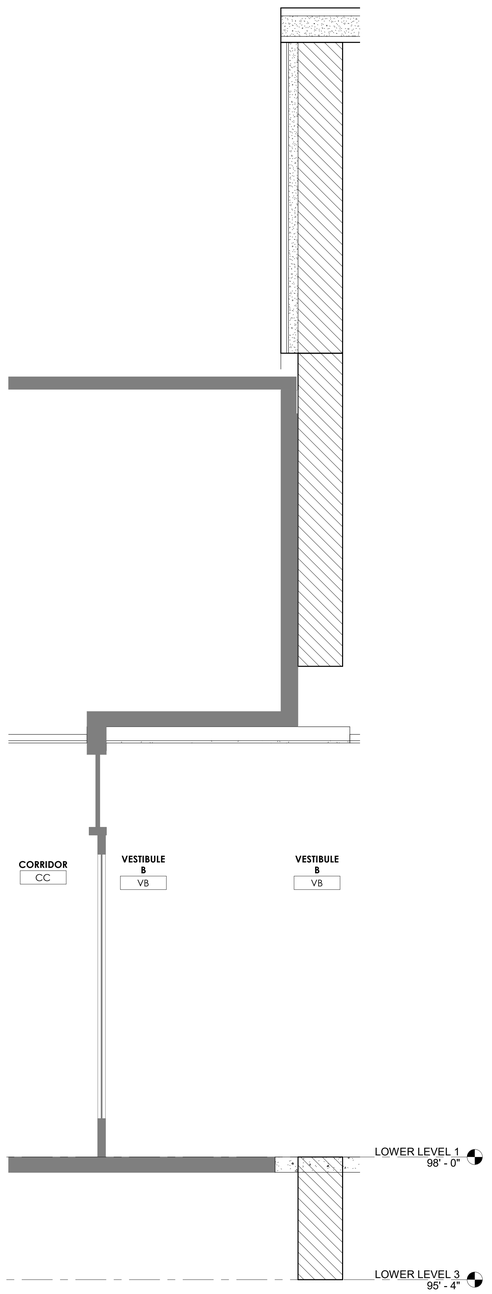
MATERIAL REFERENCE



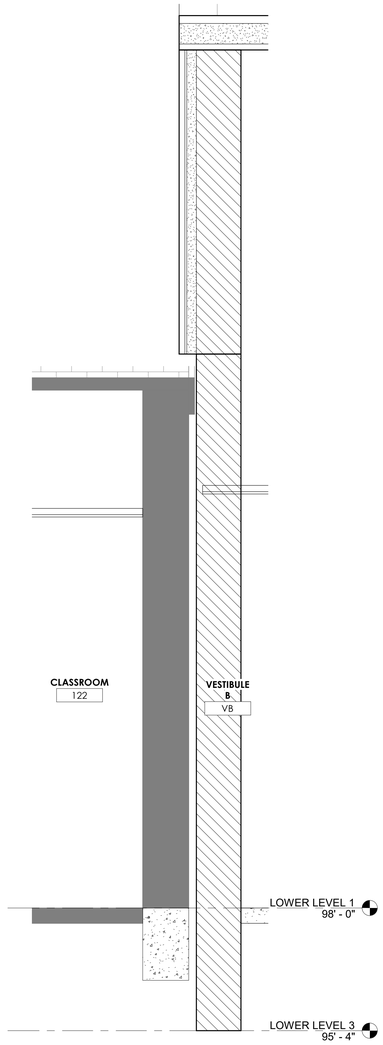
WALL SECTION
3/4" = 1'-0"
E
A5.3



WALL SECTION
3/4" = 1'-0"
C
A5.3



WALL SECTION
3/4" = 1'-0"
B
A5.3



WALL SECTION
3/4" = 1'-0"
A
A5.3

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WALL SECTIONS
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A5.3

WALL SECTIONS

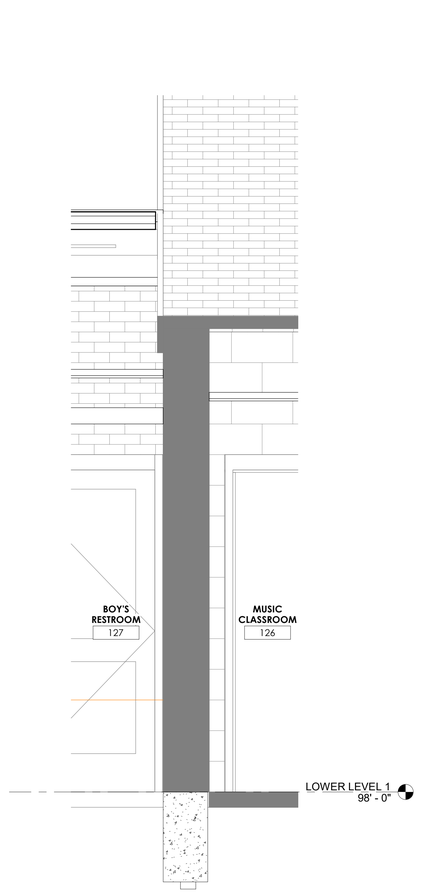
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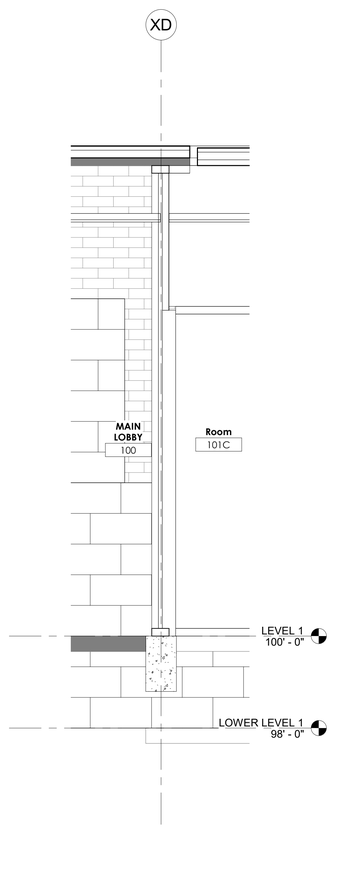
#	DATE	DESCRIPTION

WALL SECTION
3/4" = 1'-0"
D
A5.4

WALL SECTION
3/4" = 1'-0"
C
A5.4



WALL SECTION
3/4" = 1'-0"
B
A5.4



WALL SECTION
3/4" = 1'-0"
A
A5.4

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WALL SECTIONS

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A5.4

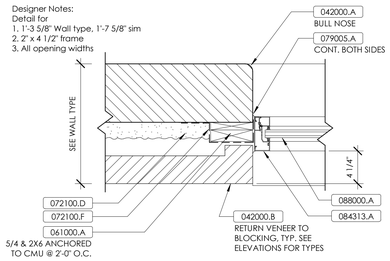
WALL SECTIONS

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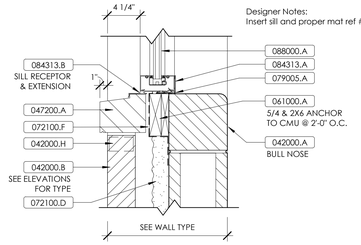
#	DATE	DESCRIPTION

Designer Notes:
Detail for
1. 1'-3 5/8" Wall type, 1'-7 5/8" sim
2. 2" x 4 1/2" frame
3. All opening widths

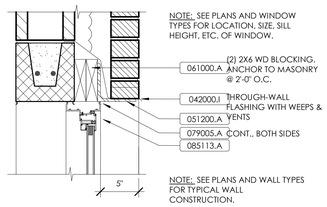


ALUM S.F. EXT JAMB
1 1/2" = 1'-0" — N A6.1

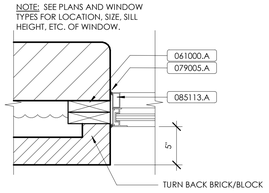
Designer Notes:
Insert sill and proper mat ref #



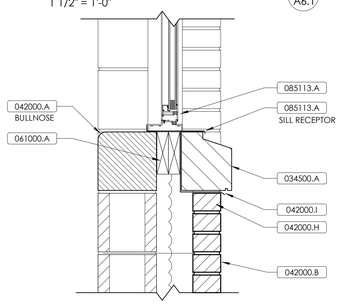
ALUM S.F. EXT SILL
1 1/2" = 1'-0" — P A6.1



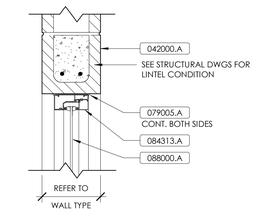
ALUMINUM HEAD DETAIL
1 1/2" = 1'-0" — L A6.1



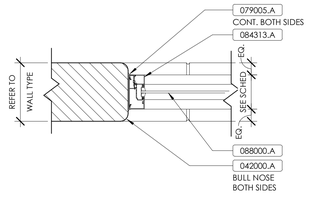
ALUMINUM JAMB DETAIL
1 1/2" = 1'-0" — K A6.1



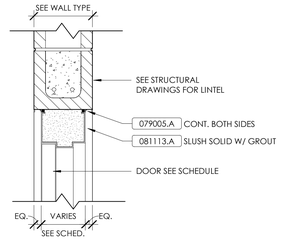
ALUMINUM SILL DETAIL
1 1/2" = 1'-0" — J A6.1



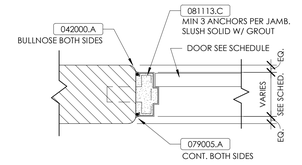
ALUM S.F. INT HEAD
1 1/2" = 1'-0" — E A6.1



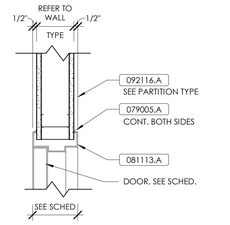
ALUM S.F. INT. JAMB
1 1/2" = 1'-0" — D A6.1



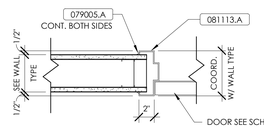
H.M. INT HEAD CMU - DOOR
1 1/2" = 1'-0" — F A6.1



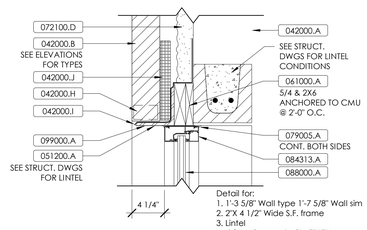
H.M. INT JAMB CMU
1 1/2" = 1'-0" — G A6.1



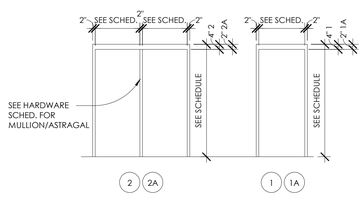
H.M. INT HEAD GYP
1 1/2" = 1'-0" — C A6.1



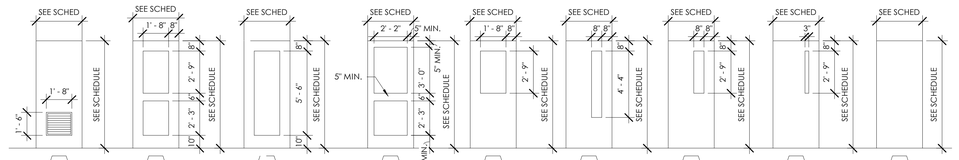
H.M. INT JAMB GYP
1 1/2" = 1'-0" — B A6.1



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



HOLLOW METAL FRAME TYPES
N.T.S. — H A6.1



* VERIFY LOUVER DIMENSIONS AND TYPE, WITH MECH. ENG.

DOOR TYPES
N.T.S. — A A6.1

NEW DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR PAIR	DOOR W	DOOR H	DOOR THICK	DOOR MAT	DOOR TYPE	DOOR GLASS	FRAME MAT	FRAME TYPE	FRAME THICK	DETAIL HEAD	DETAIL JAMB	FIRE RATING	SET NO.	COMMENTS
101		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
102		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
103		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
104		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
105		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
106.3		4' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
106D		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
106E		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
106F		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
106F.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
107		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
112		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
116.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
116.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
118		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
119		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
120.1		6' - 0"	7' - 0"	1 3/4"	HM	NVG				5 3/4"					
120.2		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
120.3		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
120A		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
120A.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
120B		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
121		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
121A		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
128		6' - 0"	7' - 0"	1 3/4"	AL	AL1				0"					
128A		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
128A.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
128A\B.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
128C		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
128F		6' - 4 1/2"	8' - 0"			76" x 96"									
129		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"					
148.1		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
148.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
149.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
149A		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
150		3' - 0"	7' - 0"	1 3/4"	HM	F				7 1/4"					
151		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
152		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
153		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
154		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
155		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
155A		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
156.2		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
156.3		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					
CD.3		19' - 11 1/2"	8' - 0"			239" x 96"									
CE		3' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
VA.1		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
VA.2		6' - 0"	7' - 0"	1 3/4"	HM	F				5 3/4"					
X		3' - 0"	7' - 0"	1 3/4"	HM	F				6"					

MATERIAL REFERENCE

034500.A	Precast Architectural Concrete
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
079005.A	Joint Sealant
081113.A	Steel Doors & Frames
081113.C	Steel Frame
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.

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

NOT FOR CONSTRUCTION

DOORS AND FRAME SCHEDULE
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

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

BG# 22-053

Project No: 2139
Drawn By: SMS
Rev'd By: RB / MN

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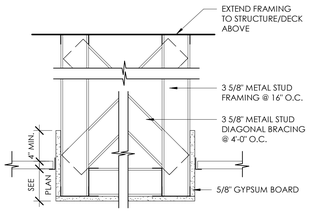
A6.1

DOORS AND FRAME SCHEDULE

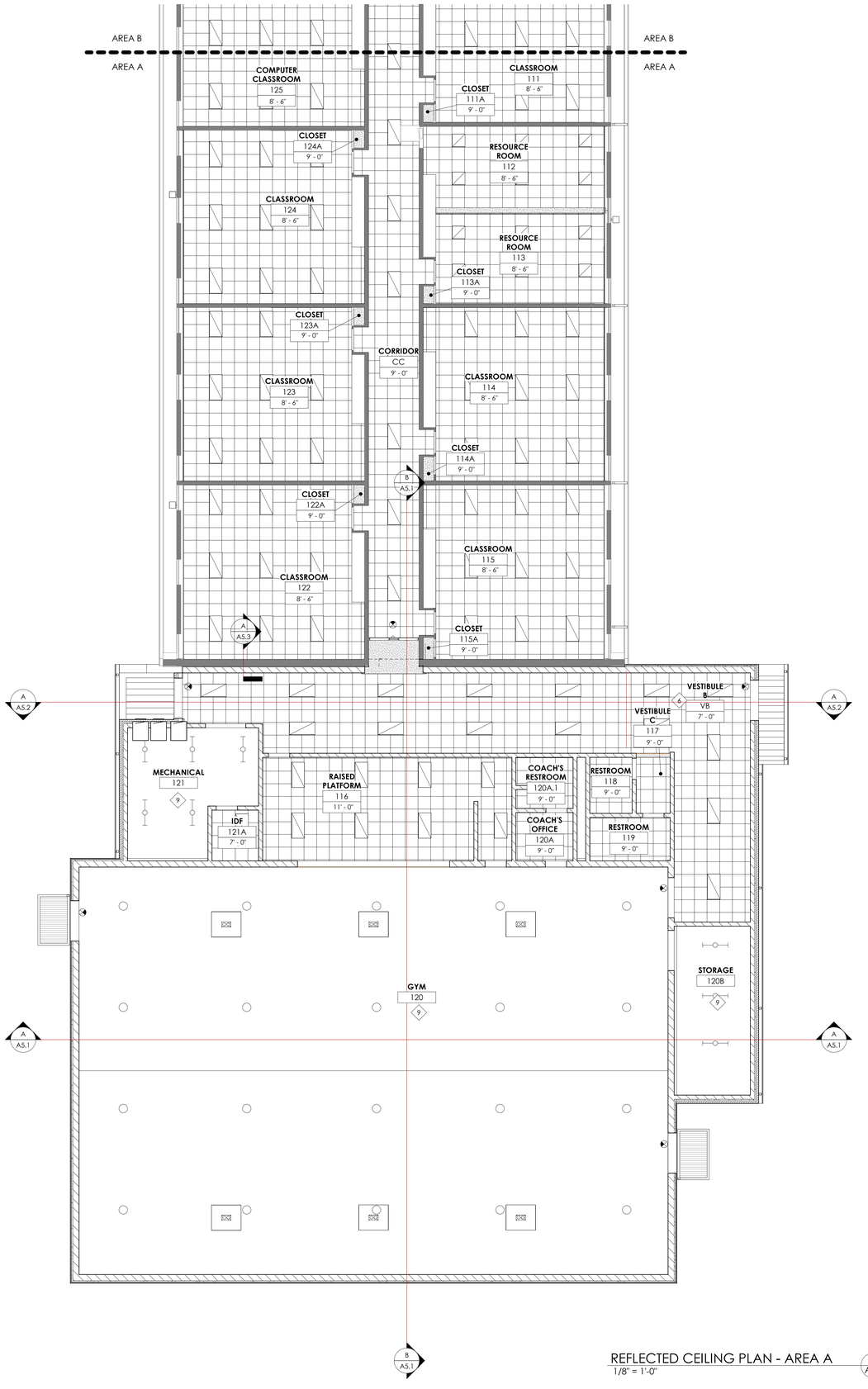
DATE ISSUED:
MAY 4, 2022

REVISIONS

#	DATE	DESCRIPTION



TYPICAL SOFFIT DETAIL
1 1/2" = 1'-0"
8 / A7.1



REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"
A / A7.1

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) TBD. HORIZONTAL AND VERTICAL SURFACES OF SOFFITS AND BULKHEADS WILL BE PAINTED AN ACCENT COLOR.
3. ALL GYPSUM BOARD CEILINGS, SOFFITS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, AND ETC., REMAINING EXPOSED AFTER CONSTRUCTION IS COMPLETE WILL RECEIVE A FINISH SYSTEM U.N.O. REFER TO THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION.
4. REFER TO THE A1 DRAWINGS FOR REQUIRED FIRE RATINGS OF WALLS AND CEILINGS.
5. DIMENSIONS OF SOFFITS ARE TO THE FACE OF FINISHED GYPSUM BOARD.
6. ELEVATIONS INDICATED ARE TO THE BOTTOM OF FINISH MATERIAL FROM ABOVE FINISH FLOOR.
7. GYPSUM BOARD IS TO BE EXTENDED FOUR INCHES MINIMUM ABOVE FINISHED CEILINGS AT SOFFITS AND BULKHEADS THAT ARE NOT REQUIRED TO MAINTAIN A FIRE RATING OR ACOUSTIC SEPARATION.
8. RECESS FACE OF GYPSUM BOARD INTERIOR SOFFITS AND BULKHEADS ONE INCH FROM FACE OF BULLNOSE CMU.

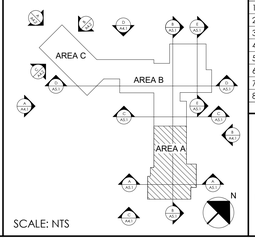
RCP NOTES

#	
1	GYPSUM BOARD SOFFIT/BULKHEAD. REFER TO TYPICAL DETAILS. (092116).
2	GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
3	1-HR RATED GYPSUM BOARD CEILING PER UL DESIGN NO. P523
4	CEILING HEIGHT RELATIVE TO LEVEL 1
5	UTILITY CHASE
6	CEILING HEIGHT RELATIVE TO LOWER LEVEL 1
7	RECESSED PROJECTION SCREEN. (115213)
8	MOVABLE PARTITION TRACK. REFER TO TYPICAL PARTITION TRACK DETAIL.
9	OPEN TO ABOVE; EXPOSED STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.
10	SPRAYED-ON ACOUSTICAL INSULATION (072129). REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.
11	ROOF ACCESS LADDER AND HATCH. (055000)
12	EXISTING CEILING TO REMAIN.
13	PROVIDE GYPSUM BOARD BULKHEAD AT COOLER/FREEZER ENCLOSURE. COORDINATE HEIGHT AND LOCATION WITH COOLER/FREEZER SUPPLIER. (092116)
14	COOLER/FREEZER ENCLOSURE PANEL. COORDINATE HEIGHT AND LOCATION WITH COOLER/FREEZER SUPPLIER.
15	KITCHEN EQUIPMENT PENETRATIONS. REFER TO FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
16	LINEAR METAL CEILING SYSTEM (095423.A)
17	MANUAL ROLLERSHADE (122413).
18	MOTORIZED ROLLERSHADE (124930).

RCP LEGEND

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

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

REFLECTED CEILING PLAN - AREA A
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

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

BG# 22-053

Project No:	2139
Drawn By:	SMS
Rev'd By:	RB / MN

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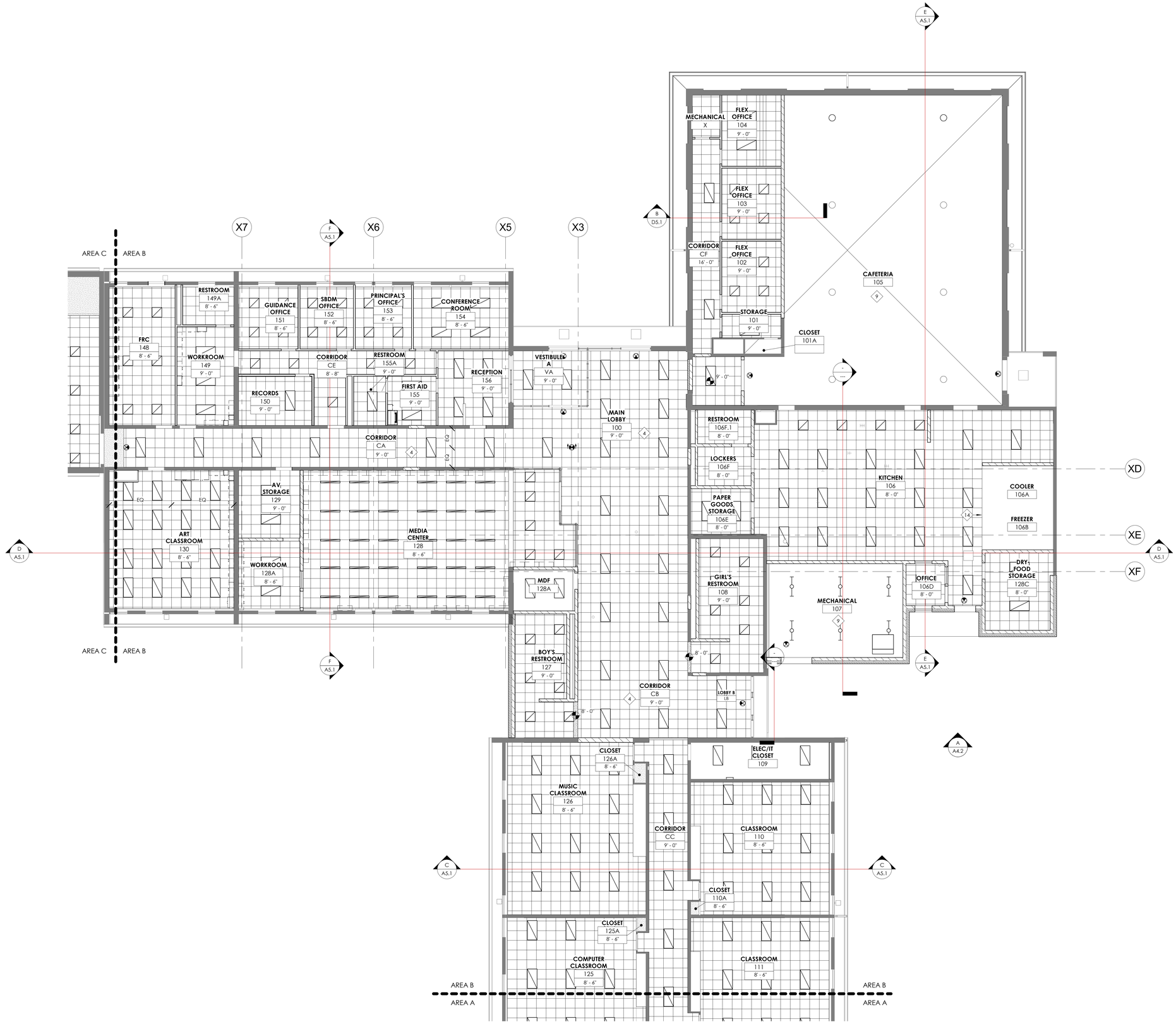
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DESIGN DEVELOPMENT

A7.1

REFLECTED CEILING PLAN - AREA A
DATE ISSUED:
MAY 4, 2022



REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"

REVISIONS

#	DATE	DESCRIPTION

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) TBD. HORIZONTAL AND VERTICAL SURFACES OF SOFFITS AND BULKHEADS WILL BE PAINTED AN ACCENT COLOR.
3. ALL GYPSUM BOARD CEILINGS, SOFFITS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, AND ETC., REMAINING EXPOSED AFTER CONSTRUCTION IS COMPLETE WILL RECEIVE A FINISH SYSTEM U.N.O. REFER TO THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION.
4. REFER TO THE A1 DRAWINGS FOR REQUIRED FIRE RATINGS OF WALLS AND CEILINGS.
5. DIMENSIONS OF SOFFITS ARE TO THE FACE OF FINISHED GYPSUM BOARD.
6. ELEVATIONS INDICATED ARE TO THE BOTTOM OF FINISH MATERIAL FROM ABOVE FINISH FLOOR.
7. GYPSUM BOARD IS TO BE EXTENDED FOUR INCHES MINIMUM ABOVE FINISHED CEILINGS AT SOFFITS AND BULKHEADS THAT ARE NOT REQUIRED TO MAINTAIN A FIRE RATING OR ACOUSTIC SEPARATION.
8. RECESS FACE OF GYPSUM BOARD INTERIOR SOFFITS AND BULKHEADS ONE INCH FROM FACE OF BULLNOSE CMU.

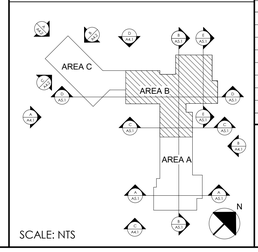
RCP NOTES

#	
1	GYPSUM BOARD SOFFIT/BULKHEAD. REFER TO TYPICAL DETAILS. (092116).
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5	UTILITY CHASE
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7	RECESSED PROJECTION SCREEN. (115213)
8	MOVABLE PARTITION TRACK. REFER TO TYPICAL PARTITION TRACK DETAIL.
9	OPEN TO ABOVE; EXPOSED STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.
10	SPRAYED-ON ACOUSTICAL INSULATION (072129). REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.
11	ROOF ACCESS LADDER AND HATCH. (055000)
12	EXISTING CEILING TO REMAIN.
13	PROVIDE GYPSUM BOARD BULKHEAD AT COOLER/FREEZER ENCLOSURE. COORDINATE HEIGHT AND LOCATION WITH COOLER/FREEZER SUPPLIER. (092116)
14	COOLER/FREEZER ENCLOSURE PANEL. COORDINATE HEIGHT AND LOCATION WITH COOLER/FREEZER SUPPLIER.
15	KITCHEN EQUIPMENT PENETRATIONS. REFER TO FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
16	LINEAR METAL CEILING SYSTEM (095423.A)
17	MANUAL ROLLERSHADE (122413).
18	MOTORIZED ROLLERSHADE (124930).

RCP LEGEND

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

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

REFLECTED CEILING PLAN - AREA B
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

Structural Engineer:
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BG# 22-053

Project No:	2139
Drawn By:	SMS
Rev'd By:	RB / MN

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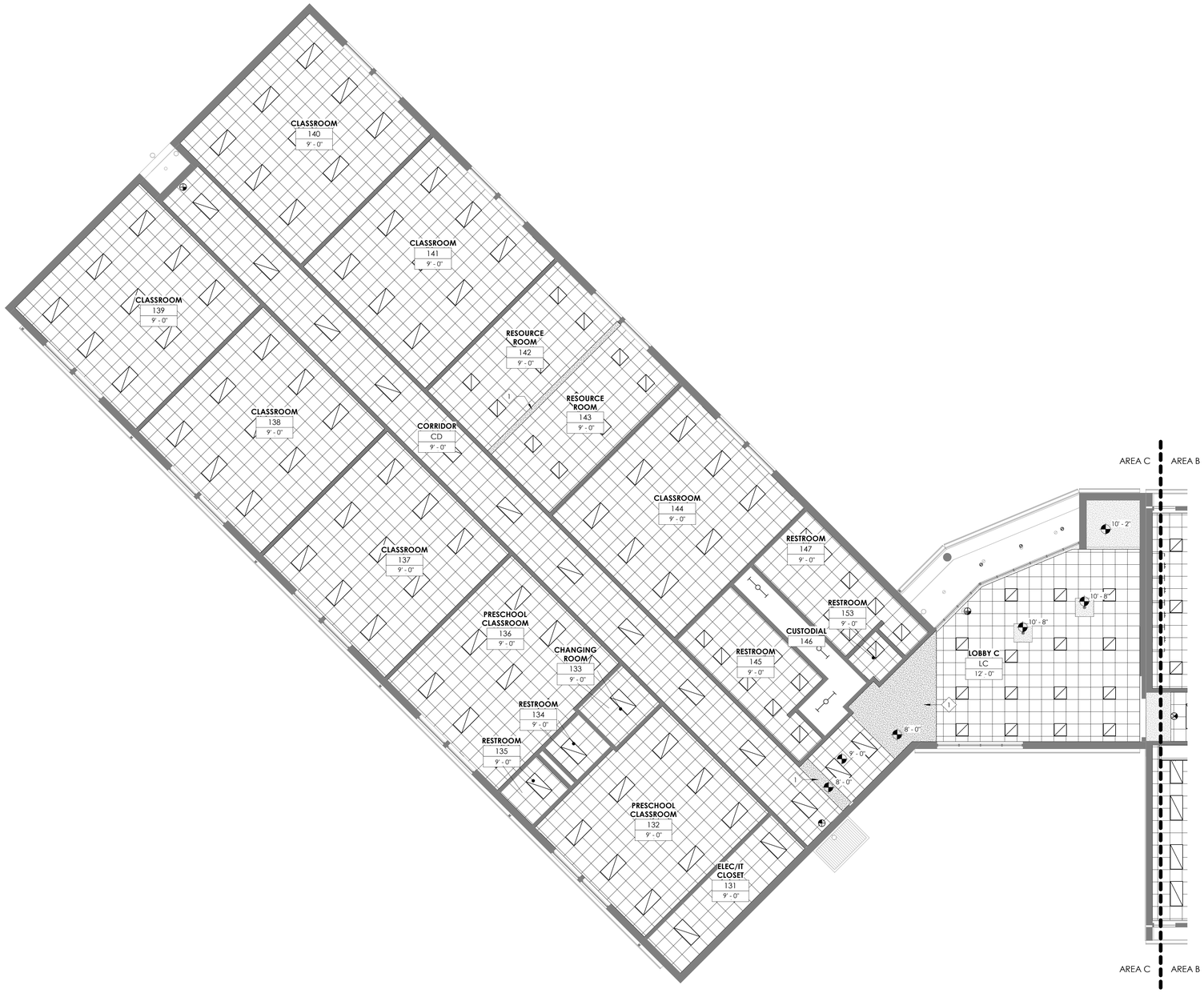
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A7.2

REFLECTED CEILING PLAN - AREA B
DATE ISSUED:
MAY 4, 2022

REVISIONS

#	DATE	DESCRIPTION



REFLECTED CEILING PLAN - AREA C (A/A7.3)
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.
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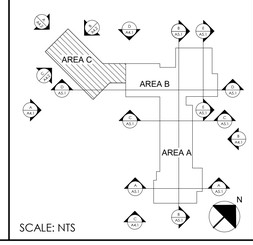
RCP NOTES

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1	GYPSUM BOARD SOFFIT/BULKHEAD. REFER TO TYPICAL DETAILS. (092116).
2	GYPSUM BOARD CEILING. PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
3	1-HR RATED GYPSUM BOARD CEILING PER UL DESIGN NO. P523
4	CEILING HEIGHT RELATIVE TO LEVEL 1
5	UTILITY CHASE
6	CEILING HEIGHT RELATIVE TO LOWER LEVEL 1
7	RECESSED PROJECTION SCREEN. (115213)
8	MOVABLE PARTITION TRACK. REFER TO TYPICAL PARTITION TRACK DETAIL.
9	OPEN TO ABOVE; EXPOSED STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.
10	SPRAYED-ON ACOUSTICAL INSULATION (072129). REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.
11	ROOF ACCESS LADDER AND HATCH. (055000)
12	EXISTING CEILING TO REMAIN.
13	PROVIDE GYPSUM BOARD BULKHEAD AT COOLER/FREEZER ENCLOSURE. COORDINATE HEIGHT AND LOCATION WITH COOLER/FREEZER SUPPLIER. (092116)
14	COOLER/FREEZER ENCLOSURE PANEL. COORDINATE HEIGHT AND LOCATION WITH COOLER/FREEZER SUPPLIER.
15	KITCHEN EQUIPMENT PENETRATIONS. REFER TO FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
16	LINEAR METAL CEILING SYSTEM (095423.A)
17	MANUAL ROLLERSHADE (122413).
18	MOTORIZED ROLLERSHADE (124930).

RCP LEGEND

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

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

REFLECTED CEILING PLAN - AREA C
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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

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

BG# 22-053

Project No:	2139
Drawn By:	SMS
Rev'd By:	RB / MN

SHEET RELEASE

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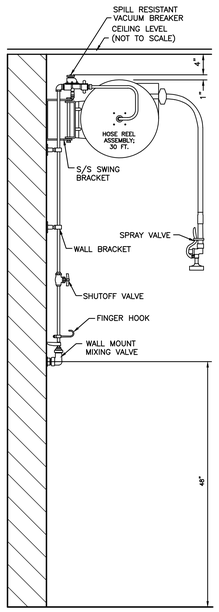
DESIGN DEVELOPMENT

A7.3

REFLECTED CEILING PLAN - AREA C
DATE ISSUED:
MAY 4, 2022

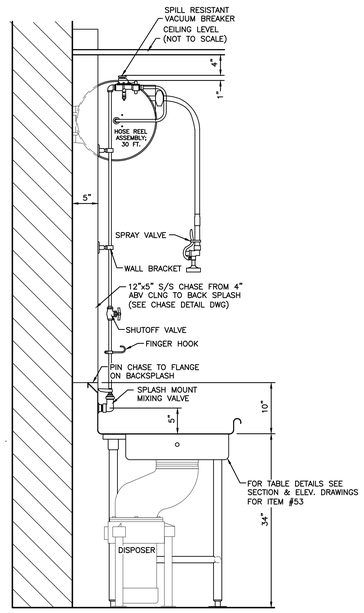
REVISIONS

#	DATE	DESCRIPTION



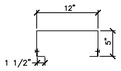
HOSE REEL – ITEM #37

SCALE: 1" = 1'-0"



HOSE REEL – ITEM #55

SCALE: 1" = 1'-0"



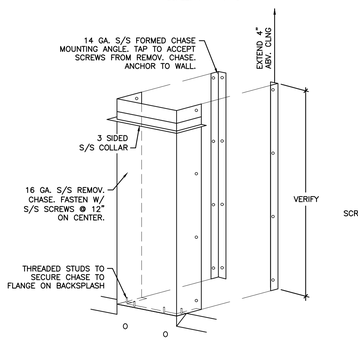
PLAN

SCALE: 1" = 1'-0"



PLAN

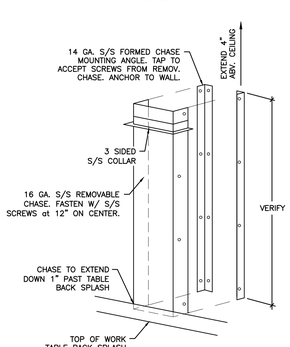
SCALE: 1" = 1'-0"



SECTION

SCALE: 1" = 1'-0"

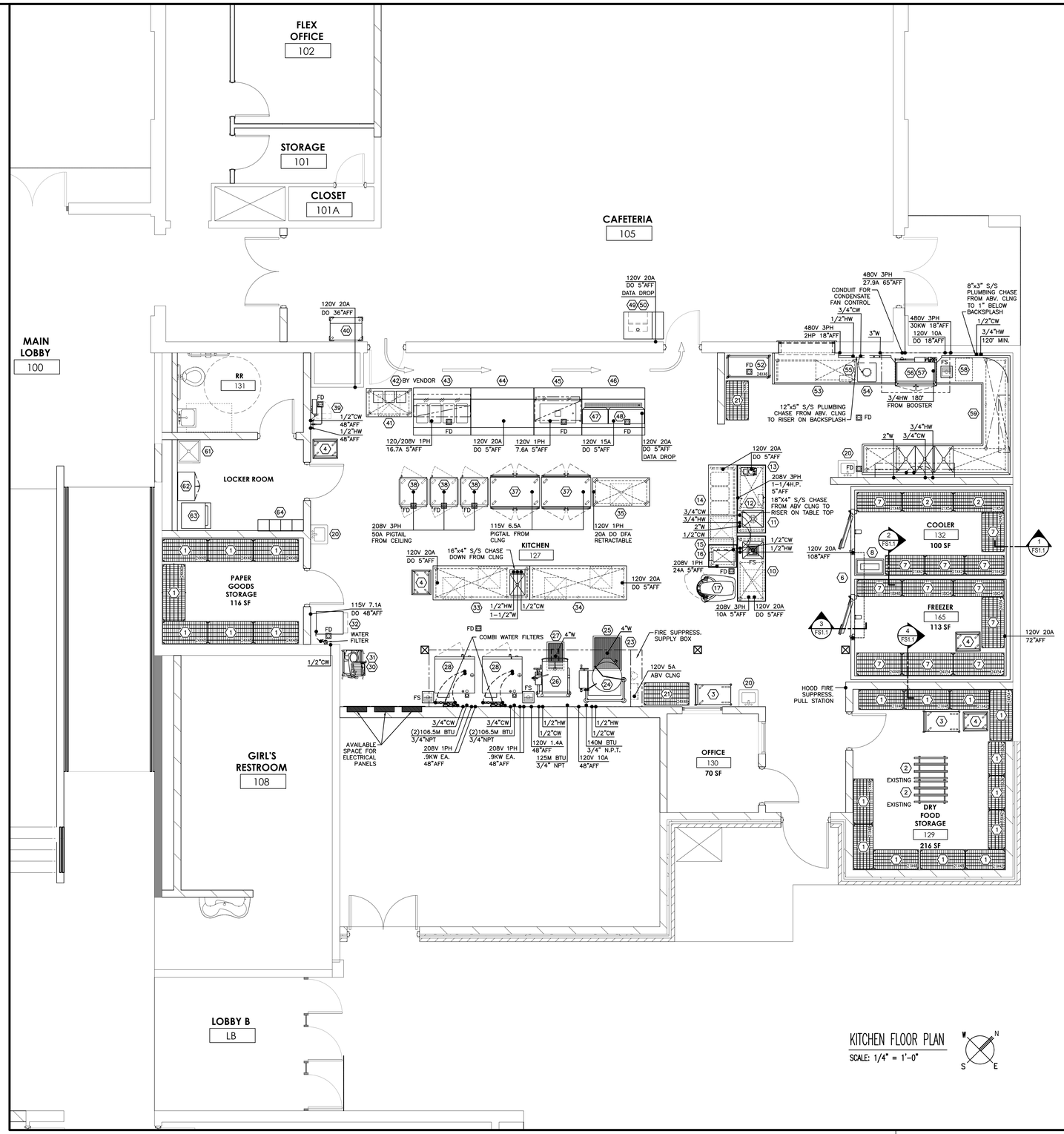
12"x5" S/S UTILITY CHASE DETAIL



DETAIL

SCALE: 1" = 1'-0"

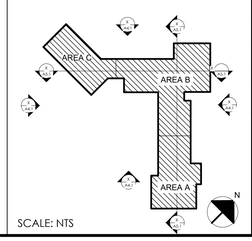
8"x3" S/S UTILITY CHASE



KITCHEN FLOOR PLAN

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

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

FOOD SERVICE EQUIPMENT FLOOR PLAN
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
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Structural Design Group, Inc.
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BG# 22-053

Project No: 22-053
Drawn By: JSA
Rev'd By: JSA

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DESIGN DEVELOPMENT

FS1.0

FOOD SERVICE EQUIPMENT FLOOR PLAN
DATE ISSUED:
05/04/2022

REVISIONS

#	DATE	DESCRIPTION

EQUIPMENT SCHEDULE

ITEM NO.	NO. REQ'D	DESCRIPTION	WATER			ELECTRICAL							GAS		RESPONSIBILITY					NOTES & COMMENTS
			HOT	COLD	WASTE	KW.	HP	V/PH	AMPS	CONN.	MTG. HT.	3 PH KW LOAD'G	SIZE	BTU'S	FURN. BY	INSTALL BY	CONN. MC	CONN. PC	CONN. EC	
1	2 LOTS	SHELVING – DRY STORAGE													K.E.C.	K.E.C.				
2	2	CAN RACK EXISTING													O.S.	K.E.C.				(1)
3	2	UTILITY CART													K.E.C.	K.E.C.				
4	4	BUN PAN RACK													K.E.C.	K.E.C.				
5		OPEN NUMBER																		
6	1	WALK–IN COOLER / FREEZER						(2)120/1	20 EA.	DIR PLUG	9'AFF 72"AFF				K.E.C.	K.E.C.			*	(2)(3)(4)
6A	1	EVAPORATOR – COOLER			FD										K.E.C.	K.E.C.				(5)(6)
6B	1	CONDENSING UNIT – COOLER						**208/?**	**??**	DIR	❷ BLDG ROOF				K.E.C.	K.E.C.			*	(7)(9) **COMPRESSOR WGT: ???**
6C	1	EVAPORATOR – FREEZER			FD										K.E.C.	K.E.C.				(5)(6)
6D	1	CONDENSING UNIT – FREEZER						208/3	**??**	DIR	❷ BLDG ROOF				K.E.C.	K.E.C.			*	(8)(9) **COMPRESSOR WGT: ???**
7	1 LOT	SHELVING – COOLER / FREEZER													K.E.C.	K.E.C.				
8	1	MILK CRATE DOLLY													K.E.C.	K.E.C.				
9		OPEN NUMBER																		
10	1	PREP SINK	1/2"	1/2"	FS															
11	1	DISPOSER SINK W/ CHASE	1/2"	1/2"											K.E.C.	K.E.C.		*		
12	1	DISPOSER		1/2"	2"		1–1/4	208/3	3.7	DIR	5"AFF				K.E.C.	K.E.C.		*	*	(10)(11)
13	1	FOOD PROCESSOR					1/3	120/1	3.5	PLUG					K.E.C.	K.E.C.				(12)
14	1	BAKER'S TABLE W/ INGREDIENT BINS													K.E.C.	K.E.C.				
15	1	HOT WATER DISPENSER		1/4"		5		208/1	24	PLUG	5"AFF				K.E.C.	K.E.C.		*	*	(11)
16	1	WORK TABLE													K.E.C.	K.E.C.				
17	1	MIXER – 60 QT.					2–7/10	208/3	10	DIR	5"AFF				K.E.C.	K.E.C.		*		
18		OPEN NUMBER																		
19		OPEN NUMBER																		
20	3	HAND SINK													P.C.	P.C.		*		
21	2	SHELVING – POT & PAN													K.E.C.	K.E.C.				
22		OPEN NUMBER																		
23	1	HOOD SYSTEM						120/1	**??**	DIR	ABV CLNG				K.E.C.	K.E.C.			*	(13)(14)(15)(16)
	1	HOOD SYSTEM – EXHAUST AIR FAN					**?**	480/3		DIR	❷BUILDING ROOF				K.E.C.	K.E.C.			*	(13)(16)(17)
	1	HOOD SYSTEM – MAKE UP AIR UNIT					**?**	480/3	**??**	DIR	❷BUILDING ROOF		1"	**???M**	K.E.C.	K.E.C.		*	*	(13)(16)(17)(18)
24	1	KETTLE – TILTING LOW PROFILE	1/2"	1/2"				115/1	10	DIR	48"AFF		3/4"	140M	K.E.C.	K.E.C.		*	*	
25	1	FLOOR TROUGH			4"										K.E.C.	P.C.		*		
26	1	TILT SKILLET – 30 GAL.	1/2"	1/2"				115/1	10	DIR	48"AFF		3/4"	125M	K.E.C.	K.E.C.		*	*	
27	1	FLOOR TROUGH			4"										K.E.C.	P.C.				
28	2	COMBI OVEN – DBL. STACK		(2)3/4"	FS			(2)208/1	3.7 EA.	DIR	48"AFF		(2)3/4"	106M EA.	K.E.C.	K.E.C.		*	*	(19)(20)
29		OPEN NUMBER																		
30	1	SLICER					1/2	120/1	5.6	PLUG					K.E.C.	K.E.C.				(12)
31	1	MOBILE OUTRIGGER TABLE													K.E.C.	K.E.C.				
32	1	ICE MACHINE W/BIN		1/2"	FD			115/1	7.1	PLUG	48"AFF				K.E.C.	K.E.C.		*	*	(20)
33	1	WORK TABLE W/SINK & CHASE	1/2"	1/2"	FS										K.E.C.	K.E.C.		*		
34	1	WORK TABLE													K.E.C.	K.E.C.				
35	1	WORK TABLE													K.E.C.	K.E.C.				
36		OPEN NUMBER																		
37	1	PASS THROUGH REFRIGERATOR					1/3	115/1	10.7	PLUG	PIGTAIL FROM CLNG				K.E.C.	K.E.C.			*	(21)
38	3	PASS THROUGH HEAT & HOLD				12		480/3		PLUG	PIGTAIL FROM CLNG				K.E.C.	K.E.C.			*	(22)
39	1	HOSE REEL – 30 FT.	1/2"	1/2"											K.E.C.	K.E.C.		*		(23)
40	1	TRAY CART													K.E.C.	K.E.C.				
41	1	WORK TABLE – MOBILE													K.E.C.	K.E.C.				
42	3	FLATWARE DISPENSER BY VENDOR													B.V.	B.V.				(24)
43	1	HOT FOOD TABLE			FD			120/208/1	16.7	PLUG	5"AFF				K.E.C.	K.E.C.			*	(25)
44	1	SOLID TOP TABLE													K.E.C.	K.E.C.				
45	1	REFRIGERATED COLD FOOD TABLE			FD		1/3	120/1	7.6	PLUG	5"AFF				K.E.C.	K.E.C.				(25)
46	1	BEVERAGE TABLE			FD										K.E.C.	K.E.C.				(25)
47	1	REFRIGERATED MILK DISPENSER						120/1	1.4	PLUG	5"AFF				K.E.C.	K.E.C.				
48	1	REFRIGERATED MILK DISPENSER						120/1	1.9	PLUG	5"AFF				K.E.C.	K.E.C.				
49	3	CASHIER STATION						120/1	20	PLUG	18"AFF				K.E.C.	K.E.C.				
50	3	P.O.S. SYSTEM						120/1	10	PLUG					O.S.	O.S.				(26)(27)
51		OPEN NUMBER																		
52	1	TRAY DRYING RACK													K.E.C.	K.E.C.				
53	1	SOILED DISH TABLE W/PRE–RINSE SINK													K.E.C.	K.E.C.				
54	1	DISPOSER		1/2"	2"		2	460/3	3.1	DIR	18"AFF				K.E.C.	K.E.C.		*	*	(10)(28)
55	1	HOSE REEL – 30 FT.	1/2"	1/2"											K.E.C.	K.E.C.		*		
56	1	CONDENSATE HOOD					1/2	120/1		DIR	❷BUILDING ROOF				K.E.C.	K.E.C.			*	(13)(29)
57	1	DISHWASHER	1/2"FROM BOOSTER	1/2"	FS			480/3 / 120/1	27.9 / 20	DIR	65"AFF 18"AFF				K.E.C.	K.E.C.		*	*	(29)(30)(31)
58	1	BOOSTER HEATER	3/4"			30		480/3	36	DIR	18"AFF				K.E.C.	K.E.C.		*	*	(30)
59	1	CLEAN DISH TABLE W/POT & PAN SINK	(2)1/2"	(2)1/2"	2"										K.E.C.	K.E.C.		*		
60		OPEN NUMBER																		
61	1	MOP SINK													B.O.	B.O.				
62	1	STORAGE CABINET – CHEMICAL													K.E.C.	K.E.C.				
63	1 SET	CLOTHES WASHER & DRYER – STACKED													O.S.	O.S.		*		
64	1 LOT	LOCKERS – EMPLOYEE													B.O.	B.O.				

ⓧ NOTES

1. EXISTING EQUIPMENT – K.E.C. TO RELOCATE AS SHOWN ON KITCHEN EQUIPMENT FLOOR PLAN.
2. E.C. TO PROVIDE CIRCUIT TO "J" BOX WHERE SHOWN. K.E.C. TO BRANCH TO LIGHTS, DIGITAL ALARM AND HEATED VAPOR RELIEF VENT WHERE REQUIRED.
3. E.C. TO INSTALL 120V 20A RECEPTACLE, WITH GFCI BREAKER AT ELECTRICAL PANEL, 72"AFF ON INTERIOR BACK WALL OF WALK–IN FREEZER COMPARTMENT AS SHOWN ON FLOOR PLAN. K.E.C. TO PLUG CONDENSATE DRAIN LINE HEAT TAPE INTO THIS RECEPTACLE.
4. K.E.C. RESPONSIBLE TO PROVIDE COPPER DRAIN PIPING FOR WALK–IN, AS SPECIFIED IN 114000.
5. EVAPORATOR TO BE WIRED THROUGH CONDENSING UNIT CIRCUIT.
6. **CONTROLS CONTRACTOR TO PROVIDE ETHERNET CONNECTION FROM BUILDING MANAGEMENT SYSTEM NETWORK TO ENVIRO–CONTROLLER ON BLOWER COIL HOUSING, USING CAT5 COPPER CABLE. COORDINATE CONNECTION REQUIREMENTS WITH K.E.C., WALK–IN MANUFACTURER, AND TECHNOLOGY SCOPE.**
7. E.C. TO PROVIDE CIRCUIT TO A SINGLE POINT CONNECTION AT COOLER CONDENSING UNIT LOCATED AS SHOWN ON DRAWINGS. K.E.C. TO PROVIDE CONDUIT SIZED FOR FOUR WIRES FROM CONDENSING UNIT TO UNIT COOLER EVAPORATOR AND INTER–WIRING OF COMPONENTS NECESSARY FOR PROPER OPERATION OF THIS SYSTEM.
8. E.C. TO PROVIDE CIRCUIT TO A SINGLE POINT CONNECTION AT FREEZER CONDENSING UNIT LOCATED AS SHOWN ON DRAWINGS. K.E.C. TO PROVIDE CONDUIT SIZED FOR SEVEN WIRES FROM CONDENSING UNIT TO BLOWER COIL AND INTER–WIRING OF COMPONENTS NECESSARY FOR PROPER OPERATION OF THIS SYSTEM.
9. ROOF MOUNTED WALK–IN COMPRESSORS ARE TO BE PLACED AT A MINIMUM OF 10'–0" AWAY FROM THE OUTER EDGES OF THE BUILDING ROOF.
10. K.E.C. IS TO INTER–WIRE TO SOLENOID & DISPOSER FROM CONTROL PANEL.
11. P.C. TO BRANCH WATER SUPPLY TO THIS ITEM FROM DISPOSER SINK WATER SUPPLY.
12. ITEM CAN PLUG INTO ANY AVAILABLE 120V RECEPTACLE.
13. SEE WRITTEN SPECIFICATIONS AND HOOD PLANS FOR SERVICE REQUIREMENTS AND WORK TO BE PROVIDED BY GENERAL, STRUCTURAL, ROOFING, ELECTRICAL, PLUMBING, AND MECHANICAL CONTRACTORS.
14. E.C. TO PROVIDE 120V 1PH ELECTRICAL CONNECTION TO J–BOX ON TOP OF HOOD CANOPY FOR HOOD LIGHTS.
15. E.C. TO PROVIDE 120V 10A ELECTRICAL CONNECTION FOR FIRE SUPPRESSION SYSTEM.
16. E.C. TO INTER–WIRE CONTROL SWITCHES LOCATED IN WIREWAY (ON FRONT OF HOOD CANOPY) TO HOOD LIGHTS AND HOOD SYSTEM FANS (SEE HOOD DRAWINGS AND SPECIFICATIONS).
17. EXHAUST AND MAKE–UP AIR FANS POWER SUPPLY SHALL BE COMBINED TO A 480V 3PH SINGLE POINT CONNECTION LOCATED ON THE SIDE OF THE MAKE–UP AIR UNIT. SEE HOOD PLANS FOR EXACT LOCATION AND DETAILS.
18. P.C. TO PROVIDE GAS CONNECTION TO MAKE–UP AIR FURNACE. SEE HOOD PLAN FOR EXACT LOCATION AND DETAILS.
19. EACH COMPARTMENT REQUIRES (1) FILTERED CW CONNECTION AND (1) NON–FILTERED CW CONNECTION.
20. K.E.C. TO SUPPLY TO P.C.; WATER FILTERS AS REQUIRED BY MANUFACTURER FOR THIS ITEM.
21. ON ISLAND UNITS – E.C. TO PIGTAIL DUPLEX RECEPTACLE FROM CEILING TO 6" ABOVE TOP OF EQUIPMENT.
22. HOLDING UNIT WILL BE SHIPPED WITH CORD, TWIST LOCK MALE AND FEMALE PLUGS. E.C. TO DROP SUPPLY LINE FROM CEILING TO JUST ABOVE HOLDING UNIT, MOUNT FEMALE TWIST LOCK PLUG, AND SWITCH UNIT'S MALE PLUG WITH MALE TWIST LOCK PLUG SET PROVIDED BY K.E.C.
23. REFERENCE HOSE REEL DETAIL DRAWING FOR MIXING VALVE MOUNTING HEIGHTS AND OTHER DETAILS. P.C. TO MOUNT MIXING VALVE. K.E.C. TO INSTALL REMAINING HOSE REEL COMPONENTS.
24. VENDOR PROVIDED ITEM. NOT IN K.E.C. CONTRACT.
25. K.E.C. IS RESPONSIBLE TO SUPPLY AND INSTALL COPPER DRAIN PIPING TO FLOOR DRAIN FOR THIS ITEM, AS SPECIFIED IN 114000.
26. P.O.S. TO PLUG INTO OUTLET INCLUDED IN CASHIER STATION.
27. DEDICATED CIRCUIT REQUIRED AT ELECTRICAL PANEL FOR P.O.S. SYSTEM.
28. P.C. TO BRANCH WATER SUPPLY FOR THIS ITEM FROM DISH ROOM HOSE REEL.
29. E.C. TO PROVIDE CONDUIT FROM ABOVE CEILING TO 68" AFF. FOR CONDENSATE FAN CONTROL WIRING. E.C. TO INTER–WIRE CONDENSATE FAN CONTROL WIRING FROM FAN TO CONTROL PANEL LOCATED ON DISH MACHINE.
30. P.C. TO BRANCH 180°F MIN. HW TO CONNECTION ON DISHMACHINE FROM HOT WATER BOOSTER HEATER.
31. K.E.C. RESPONSIBLE FOR INSTALLING COPPER DRAIN PIPING & DRAIN WATER TEMPERING KIT.
    E.C. RESPONSIBLE FOR COMPLETE WIRING OF DRAIN WATER TEMPERING KIT.
    P.C. RESPONSIBLE FOR CONNECTING COLD WATER TO DRAIN WATER TEMPERING KIT PER MANUFACTURER INSTRUCTIONS.

GENERAL NOTES

ALL RECEPTACLES & J–BOX'S ARE TO BE INSTALLED SO TOP OF BOXES ARE AT ABOVE FINISHED FLOOR HEIGHTS SHOWN ON DRAWINGS.

FLOOR MOUNTED ELECTRICAL OUTLETS AND "J" BOXES SHALL HAVE TOP OF BOX NO MORE THAN 5"AFF.

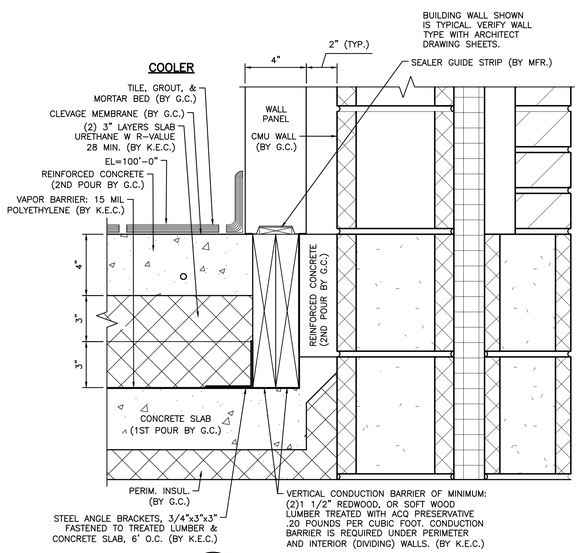
K.E.C. TO SHOW ON ROUGH–IN DRAWINGS; EXACT LOCATION OF CONVENIENCE OUTLETS, MECHANICAL AND ELECTRICAL SERVICES FOR EACH PIECE OF EQUIPMENT PROVIDED BY K.E.C. INCLUDE ALL FLOOR DRAINS AND FLOOR SINKS SHOWN ON BID DOCUMENT FLOOR PLAN DRAWING SHEETS.

K.E.C. TO FURNISH COATED QUICK DISCONNECT KITS WITH HOSE KITS SIZED PER MANUFACTURERS RECOMMENDATION FOR EACH PIECE OF GAS COOKING EQUIPMENT.

ELECTRICAL AND PLUMBING INFORMATION SHOWN IN LIGHTER PRINT IS FOR REFERENCE ONLY.

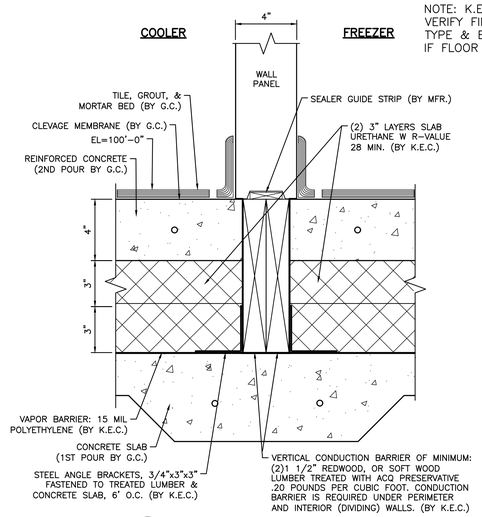
ABBREVIATIONS

A	AMPS
AFF	ABOVE FINISHED FLOOR
B.O.	BY OTHERS
B.V.	BY VENDOR
CLNG	CEILING
CW	COLD WATER
DFA	DOWN FROM ABOVE
DIR	DIRECT CONNECTION
DO	DUPLEX OUTLET
E.C.	ELECTRICAL CONTRACTOR
E.D.S.	ENERGY DISTRIBUTION SYSTEM
FD	FLOOR DRAIN
FS	FLOOR SINK
FT	FLOOR TROUGH
FNLD	FUNNEL DRAIN
G	GAS
G.C.	GENERAL CONTRACTOR
HP	HORSEPOWER
HW	HOT WATER
J	JUNCTION BOX
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR
KW	KILOWATT
M.C.	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MOP	MAXIMUM OVERCURRENT PROTECTION
N.I.C.	NOT IN CONTRACT
O.S.	OWNER SUPPLIED
P.C.	PLUMBING CONTRACTOR
PH	PHASE
SO	SINGLE PURPOSE OUTLET
V	VOLTS
W	WASTE

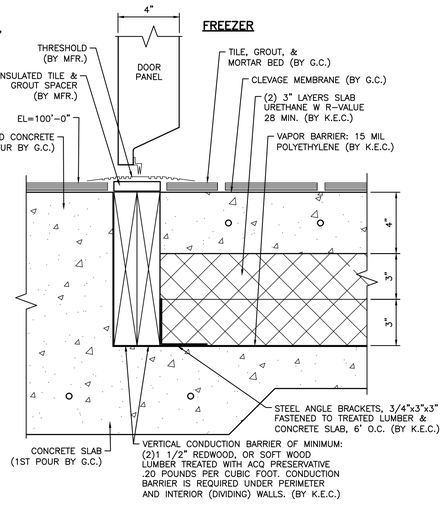


1 FS1.0 WALK–IN DETAIL @ FLOOR
SCALE: 3" = 1'–0"

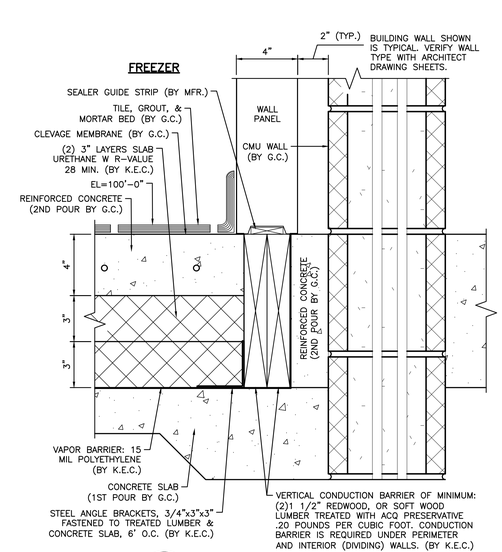
NOTE: K.E.C. MUST VERIFY FINISHED FLOOR TYPE & BED THICKNESS, IF FLOOR TYPE IS TILE.



2 FS1.0 WALK–IN DETAIL @ FLOOR
SCALE: 3" = 1'–0"



3 FS1.0 WALK–IN DETAIL @ FLOOR
SCALE: 3" = 1'–0"



4 FS1.0 WALK–IN DETAIL @ FLOOR
SCALE: 3" = 1'–0"

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

NOT FOR CONSTRUCTION

FOOD SERVICE EQUIPMENT SCHEDULE
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892
Structural Engineer:
Structural Design Group, Inc.
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537

BG# 22-053

Project No:	22-053
Drawn By:	JSA
Rev'd By:	JSA

SHEET RELEASE

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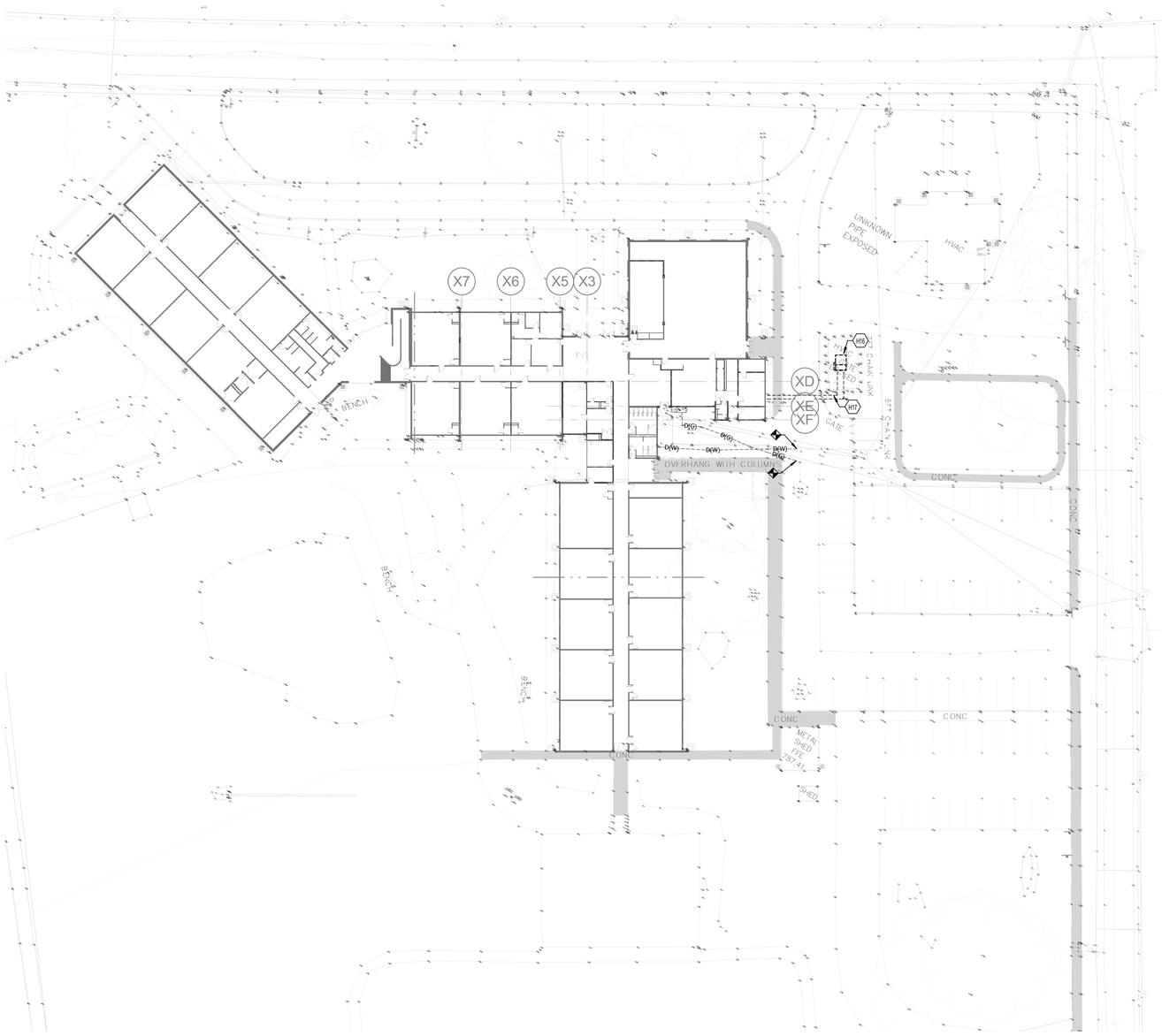
DESIGN DEVELOPMENT

FS1.1

FOOD SERVICE EQUIPMENT SCHEDULE
DATE ISSUED:
05/04/2022

REVISIONS

#	DATE	DESCRIPTION



1 SITE UTILITY PLAN
SCALE: 1" = 30'-0"
0 15' 30' 60' 90' 120'

TAGGED NOTES

H16 COMPLETELY REMOVE EXISTING FLUID COOLER. EXISTING CONCRETE PAD TO REMAIN. DEMOLISH ALL ASSOCIATED PIPING, CONTROLS AND SUPPORTS.

H17 ALL EXISTING UNDERGROUND FLUID COOLER PIPING IS TO BE REMOVED AND REPLACED. REFER TO UM1.1 FOR NEW WORK PLAN.

MECHANICAL SITE NOTES

A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS.

B CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, etc. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK.

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

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

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

F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY (CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. UTILITIES SHALL ALSO BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE BUILDING ENGINEER AND THE MECHANICAL ENGINEER'S REPRESENTATIVE). CONTRACTOR SHALL VISIT SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES

G CONTRACTOR SHALL VERIFY EXACT LOCATION OF OUTDOOR RECEPTACLES WITH OWNER PRIOR TO ROUGH-IN.

H CONTRACTOR SHALL REFER TO CIVIL PLANS FOR COORDINATION WITH OTHER UTILITIES.

I COORDINATE ELEVATION AND LOCATION OF ALL CONDUITS ENTERING BUILDING WITH STRUCTURAL FOUNDATION. CONDUIT SHALL PASS THROUGH STEM WALL OF FOUNDATION OR UNDER FOOTING AS REQUIRED.

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

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M COORDINATE UNDERGROUND ELECTRICAL WITH ALL LANDSCAPING AND FENCING, ADJUST ELECTRICAL LINES TO AVOID CONFLICTS. REFER TO LANDSCAPING PLANS FOR FURTHER INFORMATION. AVOID ROUTING UNDERGROUND CONDUITS UNDER ROADWAYS OR PARKING LOTS, CROSS ROADWAYS WITH UNDERGROUND CONDUITS AT 90 ANGLES WHERE POSSIBLE.

N IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INSURE THAT ANY ABANDONED PIPING UNCOVERED IN THE COURSE OF THEIR WORK SHALL BE CAPPED WATER TIGHT.

O TRENCHES FOR UTILITIES SHALL BE BACKFILLED PER MECHANICAL DETAILS AND SPECIFICATIONS. PAVEMENT, ASPHALT, AND OTHER SURFACE WORK SHALL BE PER CIVIL ENGINEERING DRAWINGS AND SPECIFICATIONS.

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S REFER TO ARCHITECT'S PHASING PLAN FOR CONSTRUCTION PHASING REQUIREMENTS.

T ALL SITE WORK SHALL BE COORDINATED WITH UNIVERSITY OF KENTUCKY PHYSICAL PLANT DIVISION (PPD). ALL OUTAGES SHALL BE SCHEDULED A MINIMUM OF TWO WEEKS IN ADVANCE.

SITE UTILITIES LEGEND

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

UTILITY COMPANY CONTACTS:

POWER:		
COMPANY	FirstName LastName	### ###.####
TELEPHONE:		
COMPANY	FirstName LastName	### ###.####
CABLE TELEVISION:		
COMPANY	FirstName LastName	### ###.####
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GAS:		
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FIRE DEPARMENT	FirstName LastName	### ###.####

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rosstarrant architects
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NOT FOR CONSTRUCTION

MECHANICAL SITE UTILITY DEMOLITION PLAN
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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BG#

Project No: 0000
Drawn By: DHA
Rev'd By: BDH

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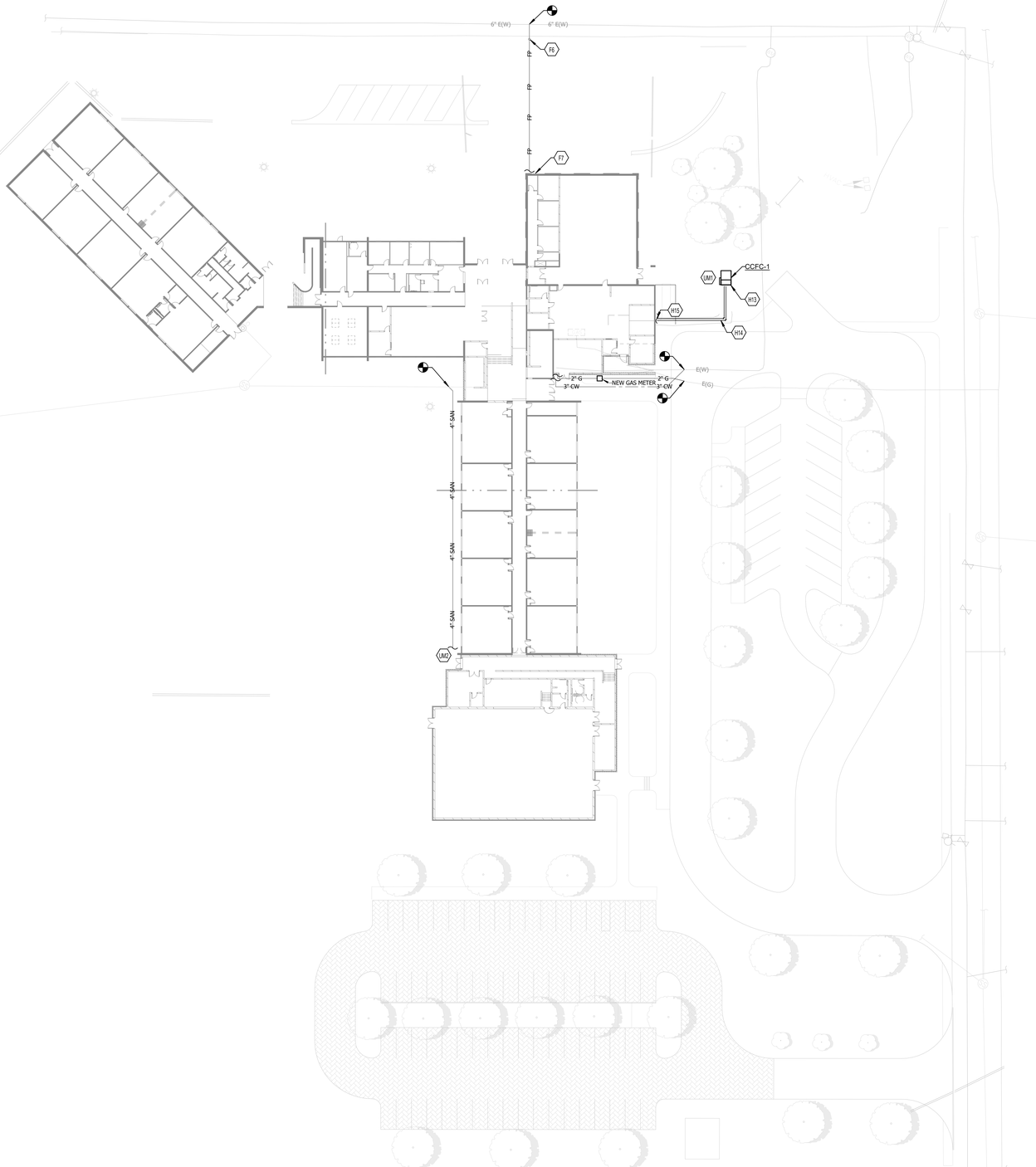
Project Status

UM1.0

MECHANICAL SITE UTILITY DEMOLITION PLAN
DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION



1 MECHANICAL SITE UTILITY NEW WORK PLAN
SCALE: 1" = 30'-0"
0 15' 30' 60' 90' 120'

TAGGED NOTES

F6	PROVIDE POST INDICATOR VALVE (PIV). REFER TO DETAIL ON FIRE PROTECTION DETAIL SHEET FP4.0.
F7	PROVIDE FIRE DEPARTMENT CONNECTION. REFER TO SHEET FP3.1 AND DETAIL ON FIRE PROTECTION DETAILS SHEET FP4.0.
H13	NEW CLOSED CIRCUIT FLUID COOLER TO BE LOCATED IN EXISTING MECHANICAL YARD. RELEVEL EXISTING CONCRETE PAD AS REQUIRED FOR NEW FLUID COOLER. ALL NEW PIPING IS TO BE INSTALLED TO NEW FLUID COOLER. REFER TO PIPING SCHEMATIC ON SHEET M8.0 FOR VALVING AND ACCESSORY REQUIREMENTS.
H14	HEAT PUMP RETURN PIPING TO BE BURIED 40" UNDERGROUND. REFER TO SPECIFICATIONS FOR PIPE TYPE AND INSULATION REQUIREMENTS. PIPING TO FOLLOW PATH OF DEMOLISHED PIPING.
H15	REFER TO SHEET M5.1 HYDRONICS NEW WORK PLAN AREA B FOR CONTINUATION.
UM1	CLOSED CIRCUIT COOLER.
UM2	REFER TO SHEET P5.0 FOR CONTINUATION.

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	FIRE HYDRANT
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UTILITY COMPANY CONTACTS:

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LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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BG#

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Rev'd By: BDH

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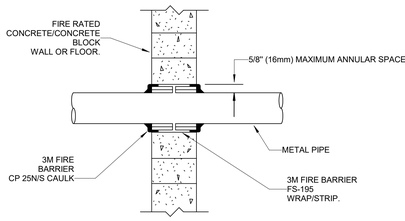
Project Status

UM1.1

MECHANICAL SITE UTILITY NEW WORK PLAN
DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION



NOTES:

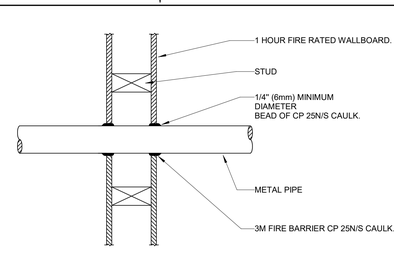
1. THE MAXIMUM ANNULAR SPACE AROUND THE METAL PIPE OR CONDUIT IS 5/8" (16mm). (IF THE ANNULAR SPACE EXCEEDS 5/8" PATCH THE WALL AND PENETRATE WALL AT ANOTHER LOCATION).
2. WRAP THE 3M MODEL# FS-195 WRAP/STRIP AROUND THE PIPE/CONDUIT, FOIL SIDE OUT, TO FILL THE SPACE BETWEEN THE PIPE/CONDUIT AND THE WALL OPENING. THE 3M MODEL# FS-195 WRAP/STRIP SHOULD BE TIGHTLY SECURED WITH ALUMINUM FOIL TAPE OR STEEL TIE WIRE AND PUSHED INTO THE OPENING UNTIL THE TOP EDGE OF THE WRAP IS FLUSH WITH THE WALL SURFACE. THE IDENTICAL INSTALLATION SHOULD BE INSTALLED ON THE OTHER SIDE OF THE WALL.
3. USE 3M MODEL# CP 25N/S(NO SAG) CAULK TO FILL THE AREA BETWEEN THE FS-195 WRAP/STRIP AND THE EDGES OF THE OPENING AND ANY VOIDS IN THE 3M MODEL# FS-195 WRAP/STRIP. A FILL OF CP 25 CAULK SHOULD COAT ALL EXPOSED EDGES OF THE FS-195 WRAP/STRIP AND COMPLETELY SEAL THE AREA BETWEEN THE FS-195 WRAP/STRIP, THE PIPE/CONDUIT AND THE WALL SURFACE.

PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH A CONCRETE WALL

NOT TO SCALE

FIRE STOPPING NOTES:

1. FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED. ALL PIPES MUST BE FIRESTOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS. ALL FLOORS CORRIDOR WALLS, STAIR WALLS, MECHANICAL ROOM WALLS, STORAGE ROOM WALLS AND OTHER HAZARDOUS ROOM WALLS ARE ONE HOUR RATED.
2. A FOUR-HOUR TRAINING SESSION SHALL BE CONDUCTED BY MANUFACTURER OF THE FIRESTOPPING MATERIAL. THIS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE MATERIAL. CONTACT HOSPITAL ENGINEER AND CMTA TO ADVISE OF DATE AND TIME OF THIS MEETING.
3. ALL PENETRATIONS WILL BE REVIEWED BY THE HOSPITAL ENGINEER OR CMTA. PRIOR TO INSPECTION. ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.

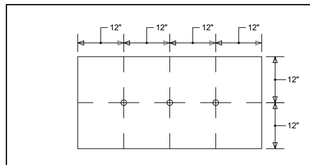


NOTES:

1. FORCE THE 3M MODEL# CP 25N/S CAULK INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE, FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm). (IF IT DOES PATCH WALL AND PENETRATE WALL AT ANOTHER LOCATION).
4. INSTALL THE 3M FIRESTOP ON BOTH SIDES OF THE WALL.

PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH ONE HOUR WALL

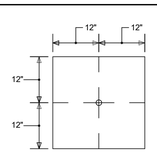
NOT TO SCALE



SPRINKLER HEADS MAY BE INSTALLED IN 2x4 CEILING TILES IN ANY OF THE THREE LOCATIONS INDICATED ABOVE. NO EXCEPTIONS!

2x4 CEILING TILE DETAIL

SCALE: NONE



SPRINKLER HEADS TO BE INSTALLED IN CENTER OF 2x2 CEILING TILES.

2x2 CEILING TILE DETAIL

SCALE: NONE

FIRE PROTECTION GENERAL NOTES

A. COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.

B. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

C. WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.

D. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.

E. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.

F. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.

G. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)

H. CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.

I. IF AREA OF CONSTRUCTION HAS A POST TENSION FLOOR SLAB. CONTRACTOR SHALL USE ULTRA SOUND OR OTHER APPROVED METHODS TO SURVEY THE EXISTING FLOOR STRUCTURE BEFORE MAKING ANY AND ALL FLOOR PENETRATIONS.

J. WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.

K. ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.

L. ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.

M. ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.

N. IN ACCORDANCE WITH K.R.S. ALL PLUMBING WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH PLANS APPROVED BY AND BEARING THE APPROVAL STAMP OF THE KENTUCKY DIVISION OF PLUMBING AND/OR THE DIVISION OF WATER. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL HE HAS RECEIVED SUCH APPROVED PLANS.

O. LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.

P. ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.

Q. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.).

R. INSTALL ALL PIPING AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.

S. SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.

T. THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.

U. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.

V. DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.

W. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.

X. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.

Y. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.

Z. ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.

AA. WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.

AB. THE DOCUMENTS COMPLY WITH 2006 IMC, 2007 KBC, AND 2009 IECC.

AC. THE DOCUMENTS COMPLY WITH 2006 IMC, 2007 KBC, AND ASHRAE 90.1-2007.

AD. WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

FIRE PROTECTION PHASING NOTES

A. THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

FIRE PROTECTION HAZARDOUS MATERIALS NOTES

A. THE CONTRACTOR IT IS HEREBY ADVISED THAT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC., WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.

B. CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FURTHERMORE, CMTA NOR ANY AFFILIATE HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.

C. IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM IMMEDIATELY.

FIRE PROTECTION HAZARDOUS MATERIALS NOTES

D. THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.

E. THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

ABBREVIATIONS

ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
CLG	CEILING
CLR	CLEAR
DN	DOWN
ENGR	ENGINEER
EQ	EQUAL
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
FVC	FIRE VALVE CABINET
FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FT	FEET **OR** FOOT
FUT	FUTURE
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
LBS	POUNDS
LF	LINEAR FEET/FOOT
MAX	MAXIMUM
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA **OR** NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN **OR** NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
SQ FT	SQUARE FEET **OR** FOOT
TBD	TO BE DETERMINED

ABBREVIATIONS (CONTINUED)

TE	TOP ELEVATION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
℄	CENTERLINE

GENERAL SYMBOLS

(#)	TAGGED NOTE DESIGNATOR
1/1	REVISION TRIANGLE
ROOM NAME (SEE #)	ROOM TAG
TAG XXX-# INSTANCE XXXX	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

MECHANICAL PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
FP	FIRE PROTECTION PIPING
D(XXX)	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
E(XXX)	EXISTING PIPING - (XXX) DENOTES SYSTEM
A(XXX)	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	FLEXIBLE PIPE CONNECTION
	PIPING UNION
FS	FLOW SWITCH
PS	PRESSURE SWITCH
TS	TAMPER SWITCH
T	PETE'S PLUG; TEMPERATURE/PRESSURE PORT
	SEMI-RECESSED SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE
	UPRIGHT TYPE SPRINKLER HEAD
	SIDEWALL TYPE SPRINKLER HEAD

APPLICABLE BUILDING CODES

APPLICABLE BUILDING CODES	DOCUMENT	YEAR
ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	ANSI A117.1	2009
FIRE SPRINKLER CODE	NFPA 13	2013
INTERNATIONAL BUILDING CODE (IBC)	STATE EDITION	2015
INTERNATIONAL ENERGY CONSERVATION CODE (IECC) OR ASHRAE 90.1	STATE EDITION	2012 OR 2010
INTERNATIONAL FIRE CODE (IFC)	STATE EDITION	2015
INTERNATIONAL FUEL GAS CODE (IFGC)	STATE EDITION	2015
INTERNATIONAL MECHANICAL CODE (IMC)	STATE EDITION	2015
INTERNATIONAL PLUMBING CODE (IPC)	STATE EDITION	2015
INTERNATIONAL EXISTING BUILDING CODE (IEBC)	STATE EDITION	2009
NATIONAL ELECTRIC CODE (NEC)	NFPA 70	2017
NATIONAL FIRE ALARM & SIGNALING CODE	NFPA 72	2013
UNIFORM STATEWIDE BUILDING CODE		2018

FLOW DATA

STATIC PSI:	
RESIDUAL PSI:	
FLOW:	
DURATION:	
DATE & TIME:	
SOURCE OF WATER:	
SOURCE OF DATA:	
HAZARD:	
OCCUPANCY OF BUILDING:	

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FIRE PROTECTION LEGEND
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
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BG#

Project No: 0000
Drawn By: DHA
Rev'd By: BDH

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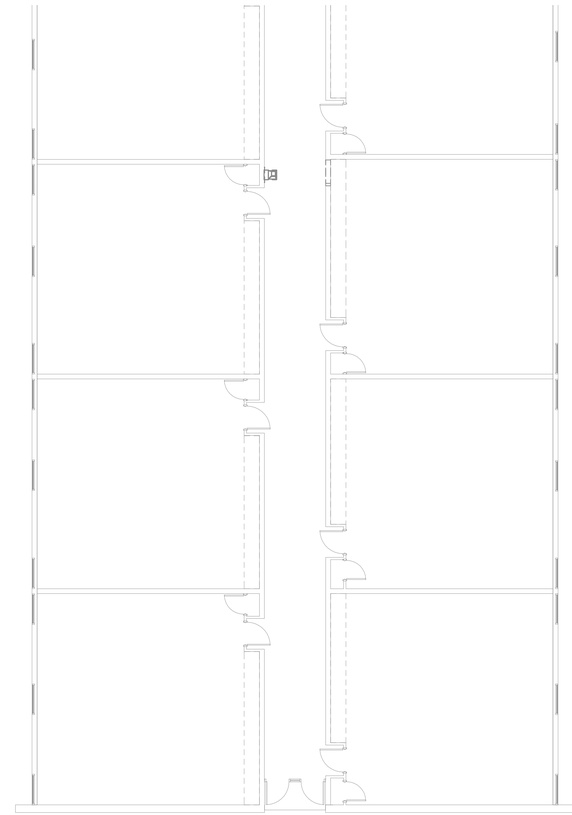
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FIRE PROTECTION LEGEND

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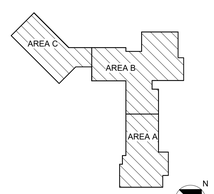
1 FIRE PROTECTION DEMO PLAN AREA A

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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FIRE PROTECTION DEMO PLAN AREA A

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

MARION COUNTY BOARD OF EDUCATION

LEBANON, KENTUCKY

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FIRE PROTECTION DEMO PLAN AREA A

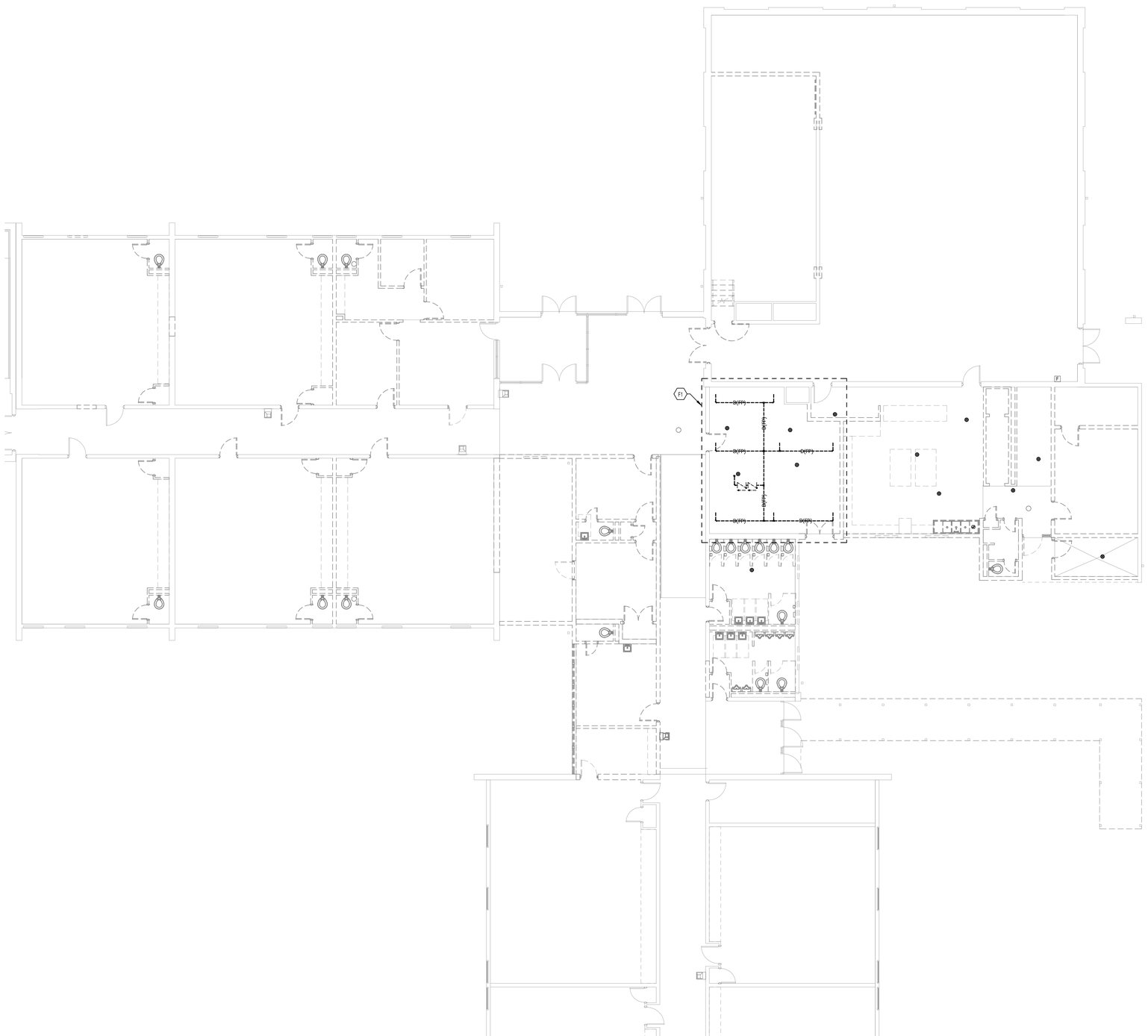
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5/4/22

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TAGGED NOTES

F1 DEMOLISH ALL FIRE PROTECTION PIPING AND EQUIPMENT IN THE OUTLINED AREA. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECTS SPECIFICATIONS.

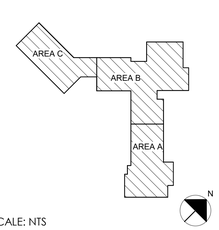


1 FIRE PROTECTION DEMO PLAN AREA B

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

0 2' 4' 8' 16' 24' 32'

KEY PLAN



SCALE: NTS

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FIRE PROTECTION DEMO PLAN AREA B

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

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FIRE PROTECTION DEMO PLAN AREA B

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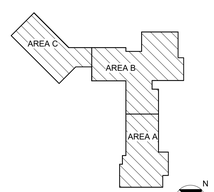
#	DATE	DESCRIPTION



1 FIRE PROTECTION DEMO PLAN AREA C
SCALE: 1/8" = 1'-0"
0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



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FIRE PROTECTION DEMO PLAN AREA C
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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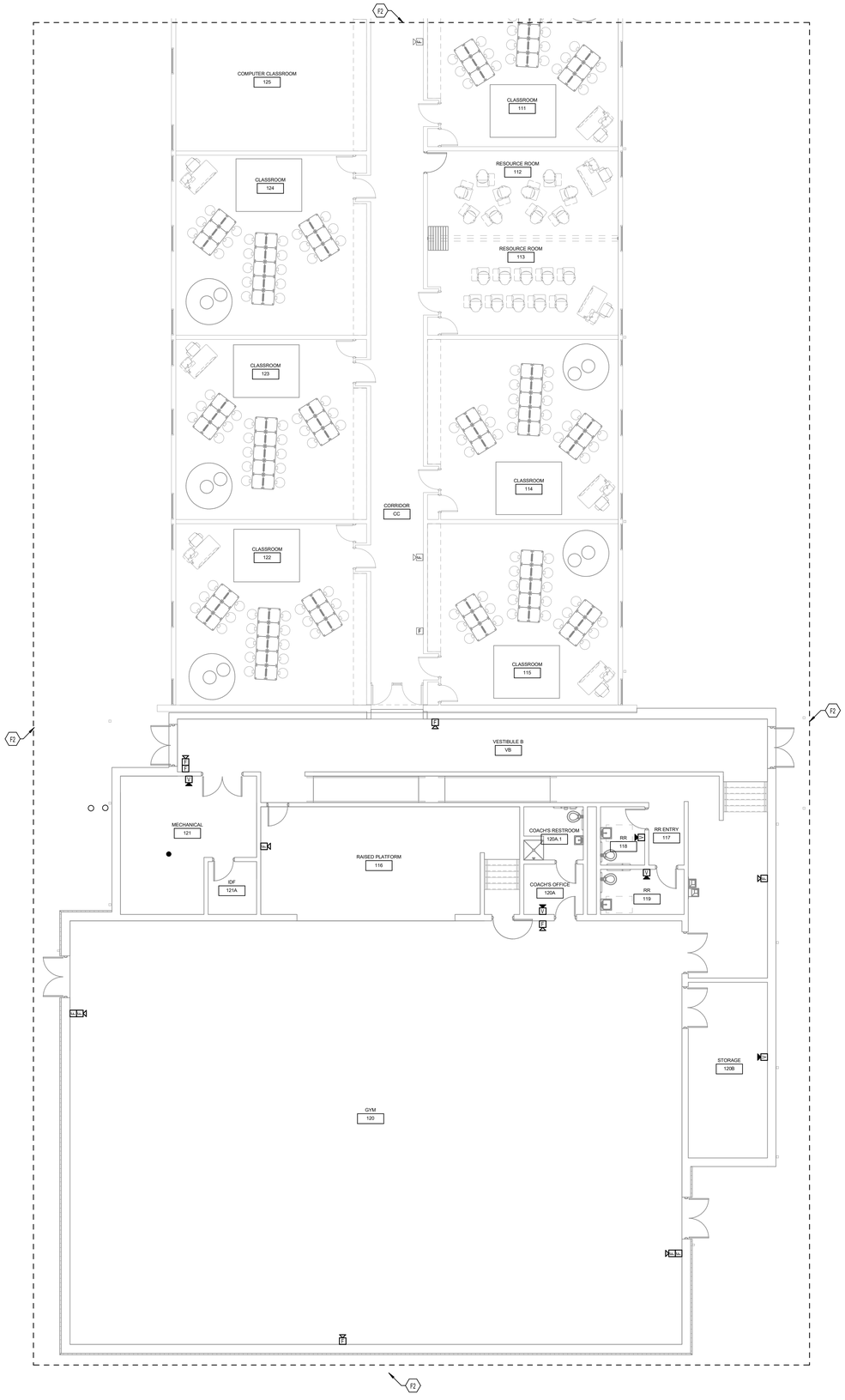
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FIRE PROTECTION DEMO PLAN AREA C
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1 FIRE PROTECTION NEW WORK PLAN AREA A

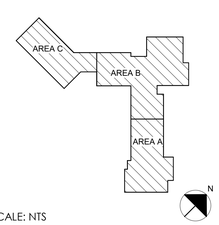
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

F2 THE ENTIRE OUTLINED AREA SHALL BE PROTECTED WITH 100% "WET" TYPE SPRINKLER SYSTEM INSTALLED WITH ACCORDANCE WITH NFPA 13. PROVIDE EXTENDED COVERAGE, SIDEWALL, AND FREEZE PROOF HEADS AS REQUIRED. NOTE THAT SPRINKLER MAINS ARE SHOWN FOR COORDINATION PURPOSES ONLY. SPRINKLER CONTRACTOR SHALL INSTALL SPRINKLER PIPING SO AS NOT TO INTERFERE WITH HVAC, PLUMBING, ELECTRICAL EQUIPMENT MAINTENANCE/SERVICE, AND ARCHITECTURAL FINISHES.

KEY PLAN



SCALE: NTS

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FIRE PROTECTION NEW WORK PLAN AREA A
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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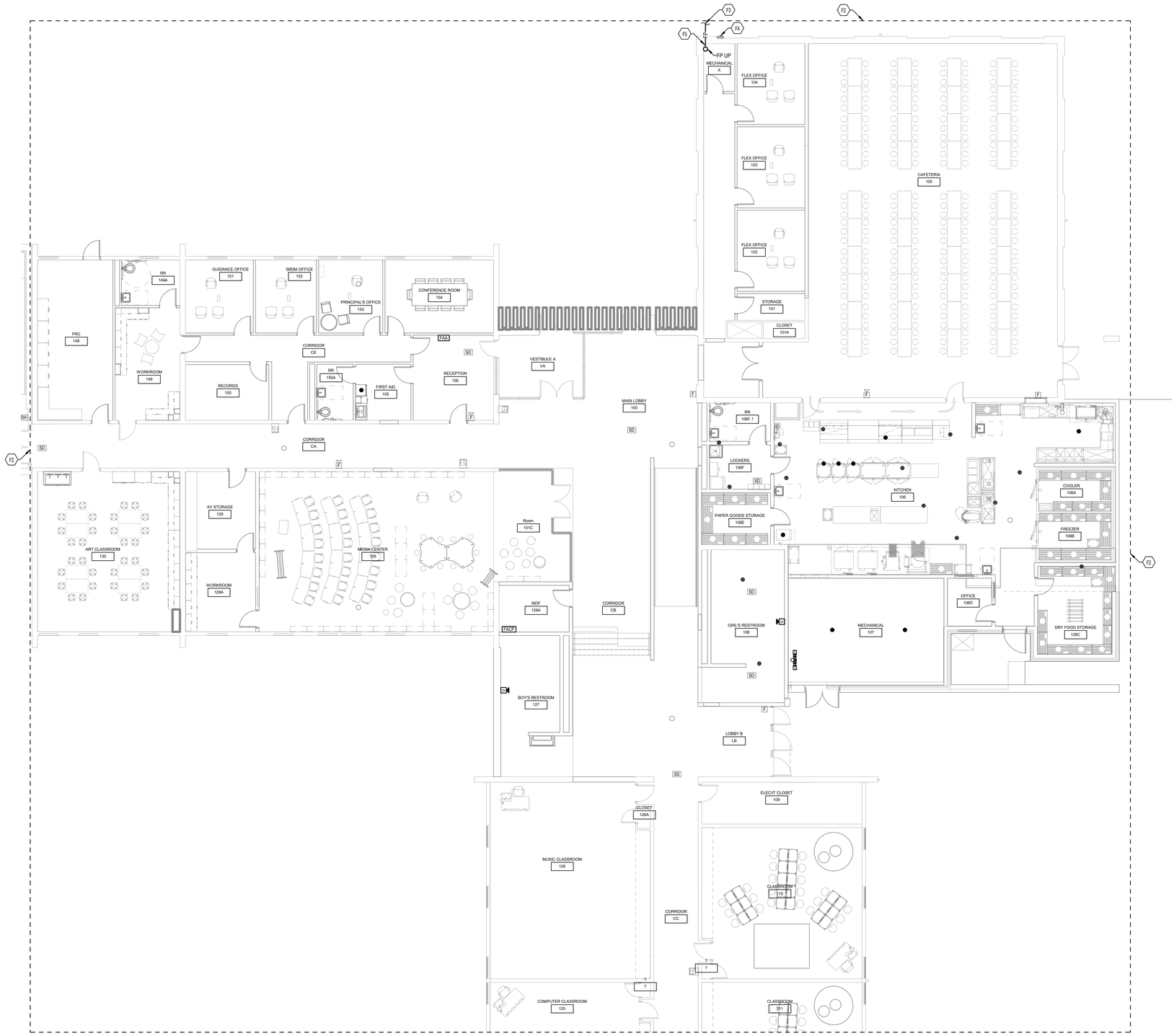
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FIRE PROTECTION NEW WORK PLAN AREA A
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5/4/22

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1 FIRE PROTECTION NEW WORK PLAN AREA B

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

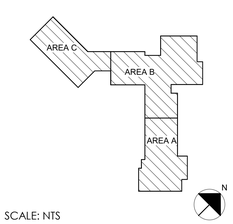
F2 THE ENTIRE OUTLINED AREA SHALL BE PROTECTED WITH 100% "WET" TYPE SPRINKLER SYSTEM INSTALLED WITH ACCORDANCE WITH NFPA 13. PROVIDE EXTENDED COVERAGE, SIDEWALL, AND FREEZE PROOF HEADS AS REQUIRED. NOTE THAT SPRINKLER MAINS ARE SHOWN FOR COORDINATION PURPOSES ONLY. SPRINKLER CONTRACTOR SHALL INSTALL SPRINKLER PIPING SO AS NOT TO INTERFERE WITH HVAC, PLUMBING, ELECTRICAL EQUIPMENT MAINTENANCE/SERVICE, AND ARCHITECTURAL FINISHES.

F3 SEE MECHANICAL SITE UTILITY NEW WORK PLAN SHEET UM1.1 FOR CONTINUATION.

F4 PROVIDE FIRE DEPARTMENT CONNECTION. REFER TO DETAIL ON FIRE PROTECTION DETAILS SHEET FP4.0.

F5 FIRE PROTECTION ENTRANCE AND RISER. REFER TO DETAIL ON FIRE PROTECTION DETAILS SHEET FP4.0.

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

FIRE PROTECTION NEW WORK PLAN AREA B

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

MARION COUNTY BOARD OF EDUCATION

LEBANON, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

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

BG#

Project No:	0000
Drawn By:	DHA
Rev'd By:	BDH

SHEET RELEASE

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Project Status

FP3.1

FIRE PROTECTION NEW WORK PLAN AREA B
DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION



1 FIRE PROTECTION NEW WORK PLAN AREA C

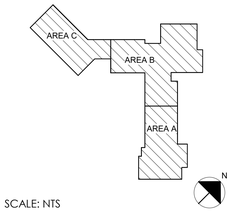
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

F2 THE ENTIRE OUTLINED AREA SHALL BE PROTECTED WITH 100% "WET" TYPE SPRINKLER SYSTEM INSTALLED WITH ACCORDANCE WITH NFPA 13. PROVIDE EXTENDED COVERAGE, SIDEWALL, AND FREEZE PROOF HEADS AS REQUIRED. NOTE THAT SPRINKLER MAINS ARE SHOWN FOR COORDINATION PURPOSES ONLY. SPRINKLER CONTRACTOR SHALL INSTALL SPRINKLER PIPING SO AS NOT TO INTERFERE WITH HVAC, PLUMBING, ELECTRICAL EQUIPMENT MAINTENANCE/SERVICE, AND ARCHITECTURAL FINISHES.

KEY PLAN



SCALE: NTS

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NOT FOR CONSTRUCTION

FIRE PROTECTION NEW WORK PLAN AREA C

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

MARION COUNTY BOARD OF EDUCATION

LEBANON, KENTUCKY

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BG#

Project No:	0000
Drawn By:	DHA
Rev'd By:	BDH

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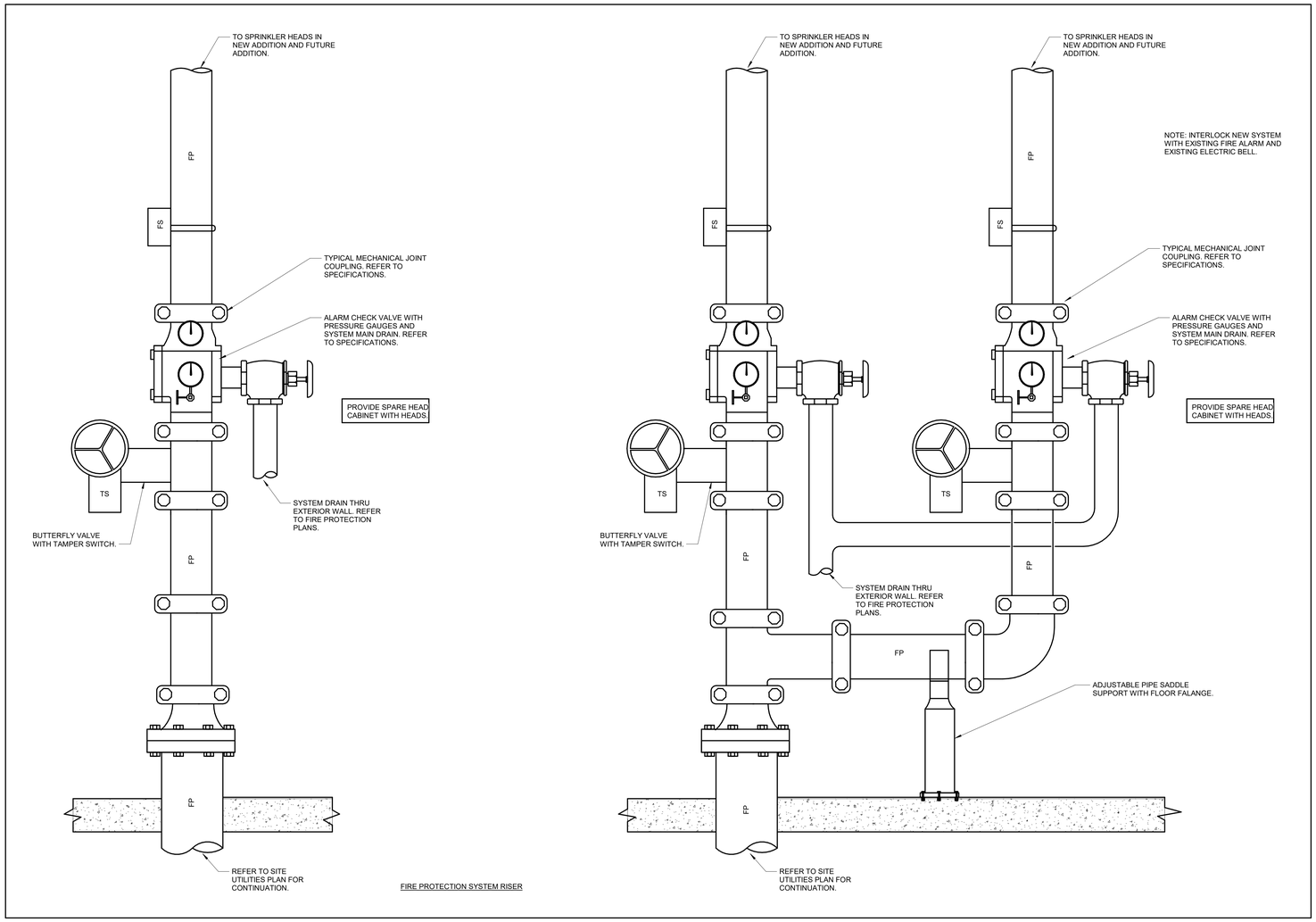
Project Status

FP3.2

FIRE PROTECTION NEW WORK PLAN AREA C
DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION



FIRE PROTECTION SYSTEM RISER

1 FP FIRE PROTECTION SYSTEM RISERS
SCALE: NONE

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

NOT FOR CONSTRUCTION

FIRE PROTECTION DETAILS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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Project No: 0000
Drawn By: DHA
Rev'd By: BDH

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Project Status

FP4.0

FIRE PROTECTION DETAILS

DATE ISSUED:
5/4/22

REVISIONS		
#	DATE	DESCRIPTION

PLUMBING GENERAL NOTES

A COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.

B THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUITION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

C WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.

D ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.

E COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.

F PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.

G OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)

H CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.

I IF AREA OF CONSTRUCTION HAS A POST TENSION FLOOR SLAB. CONTRACTOR SHALL USE ULTRA SOUND OR OTHER APPROVED METHODS TO SURVEY THE EXISTING FLOOR STRUCTURE BEFORE MAKING ANY AND ALL FLOOR PENETRATIONS.

J WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.

K ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.

L ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.

M ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.

N IN ACCORDANCE WITH K.R.S. ALL PLUMBING WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH PLANS APPROVED BY AND BEARING THE APPROVAL STAMP OF THE KENTUCKY DIVISION OF PLUMBING AND/OR THE DIVISION OF WATER. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL HE HAS RECEIVED SUCH APPROVED PLANS.

O LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.

P ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.

Q THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.)

R INSTALL ALL PIPING AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.

S SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.

T THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.

U WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.

V DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.

W ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.

X DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.

Y VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.

Z ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.

AA WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.

AB THE DOCUMENTS COMPLY WITH 2006 IMC, 2007 KBC, AND 2009 IECC.

AC THE DOCUMENTS COMPLY WITH 2006 IMC, 2007 KBC, AND ASHRAE 90.1-2007.

AD WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

PLUMBING DEMOLITION NOTES

A THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELED VERIFY EXACT REQUIREMENTS.

B DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTORS SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTAGES.

C ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.

D ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.

E HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

F COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.

G ALL OUTAGES SHALL BE SCHEDULED THROUGH THE UK CPMD PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.

H ALL DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE INSTALLED A MINIMUM OF 4" ABOVE THE TOP OF THE CEILING GRID PER UK STANDARDS.

PLUMBING HAZARDOUS MATERIALS NOTES

A THE CONTRACTOR IT IS HEREBY ADVISED THAT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC., WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.

B CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FURTHERMORE, CMTA NOR ANY AFFILIATE HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.

C IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM IMMEDIATELY.

D THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.

E THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

PLUMBING PHASING NOTES

A THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE (AMP, AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
C.I.	CAST IRON
CLG	CEILING
CLR	CLEAR
CO	CARBON MONOXIDE
COND	CONDENS (-ER, -ING, -ATION, -ATE)
CONT	CONTINU (-ED, -OUS)
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CV	VALVE FLOW COEFFICIENT
dB	DECIBEL
DB	DRY BULB
DC	DIRECT CURRENT
DD	DUCT SMOKE DETECTOR
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE (-S)
DIA	DIAMETER (-S)
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVA (-TION, -TOR)
ENGR	ENGINEER
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EVAP	EVAPORAT (-E, -ING, -ED, -OR, -ION)
EWT	ENTERING WATER TEMPERATURE
EXP	EXPANSION
EXT	EXTERIOR
FA	FREE AREA

ABBREVIATIONS (CONTINUED)

FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET **OR** FOOT
FUT	FUTURE
FV	FACE VELOCITY
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRAINS
H	HUMIDITY
HD	HEAD
HG	MERCURY
HORIZ	HORIZONTAL
HP	H (-ORSEPOWER, -EAT PUMP)
HR	HOUR (-S)
HVAC	HEATING, VENTILATING, & AIR-CONDITIONING
Hz	HERTZ
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INSUL	INSULAT (-ED, -ION)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
kW	KILOWATT
kWh	KILOWATT HOUR
LBS	POUNDS
LF	LINEAR FEET/FOOT
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION [AMPS]
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA **OR** NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NIC	NOT IN CONTRACT

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN **OR** NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OR	OPEN RECEPTACLE
OZ	OUNCE (-S)
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PLBG	PLUMBING
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SQ	SQUARE
SQ FT	SQUARE FEET **OR** FOOT
SQ IN	SQUARE INCH **OR** INCHES
TAB	TESTING AND BALANCING
TBD	TO BE DETERMINED
TE	TOP ELEVATION
TEMP	TEMPERATURE
TPA	TRAP PRIMER ADAPTER
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VARI (-ABLE, -IES)
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FEQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WBT	WET BULB TEMPERATURE
WPD	WATER PRESSURE DROP
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
℄	CENTERLINE

GENERAL SYMBOLS

#	TAGGED NOTE DESIGNATOR
1	REVISION TRIANGLE
	ROOM TAG
TAG XXX-# INSTANCE XXXX	EQUIPMENT TAG
XXX ##	DOMESTIC WATER RISER TAG
XXX ##	SANITARY, WASTE, & VENT RISER TAG
XXX ##	FIRE SUPPRESSION RISER TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION
D(XXX)	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
E(XXX)	EXISTING PIPING - (XXX) DENOTES SYSTEM
A(XXX)	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM

VALVE SYMBOL LEGEND

	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	AUTOMATIC AIR VENT (AAV)
	MANUAL AIR VENT (MAV)
	MANUAL BALANCING VALVE (BV)
	BALL VALVE
	BUTTERFLY VALVE
	TRIPLE DUTY VALVE (TDV)
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	AUTO-FLOW CONTROL VALVE
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY

PLUMBING PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
AVT	ACID VENT
AW	ACID WASTE
CA	COMPRESSED AIR
CAI/E	COMBUSTION AIR INTAKE/EXHAUST
CBS/R	CHILLED BEAM SUPPLY/RETURN
CD	CONDENSATE DRAIN
CO2	CARBON DIOXIDE
CST	CLEAN STEAM PIPING
DCW	DOMESTIC COLD WATER (DCW)
DHW DHW(#°F)	DOMESTIC HOT WATER (DHW)
DHR: DHR(#°F)	RECIRCULATED DOMESTIC HOT WATER (DHR)
HPC	HIGH PRESSURE STEAM CONDENSATE
HPS(#)	HIGH PRESSURE STEAM; (#) DENOTES PRESSURE
HPS/R	HEAT PUMP WATER SUPPLY/RETURN
HRS/R	HEAT RECOVERY SUPPLY/RETURN PIPING
HWS/R	HEATING WATER SUPPLY/RETURN
LPC	LOW PRESSURE STEAM CONDENSATE
LPS(#)	LOW PRESSURE STEAM; (#) DENOTES PRESSURE
MPC	MEDIUM PRESSURE STEAM RETURN
MPS(#)	MEDIUM PRESSURE STEAM; (#) DENOTES PRESSURE
SPD	STEAM CONDENSATE PUMPED DISCHARGE
SVT	STEAM VENT PIPING

PLUMBING SYMBOL LEGEND

	FLEXIBLE PIPE CONNECTION
	FLOW METER (VENTURI)
	PIPING UNION
	FLOW SWITCH
	PRESSURE SWITCH
	TAMPER SWITCH
	THERMOMETER
	PETE'S PLUG; TEMPERATURE/PRESSURE PORT

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	CW	HW	VENT	WASTE/DRAIN	VOLTAGE	EXTERNAL CHECK VALVE
FD-1	FLOOR DRAIN - 6" DIA. : ZURN, ZN-415 OR EQUAL FLOOR DRAIN WITH 6" DIAMETER TOP, TYPE "B" NICKEL BRONZE STRAINER, 4" DRAIN OUTLET AND TRAP PRIMER CONNECTION.	-	-	2"	4"	Yes	Yes
P-1	WATER CLOSET - FLOOR MOUNTED - MANUAL FLUSH VALVE - ADA COMPLIANT : VITREOUS CHINA, 18" HIGH ELONGATED BOWL, SIPHON JET, 11/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE MANUAL 1.6 GPF FLUSH VALVE WITH HANDLE AT A MAXIMUM OF 31" AFF.	1-1/2"	-	2"	4"	Yes	Yes
P-3	LAVATORY - WALL HUNG W/ SINGLE LEVER FAUCET - ADA COMPLIANT : VITREOUS CHINA, 20"X18" WALL HUNG LAVATORY WITH 4" FAUCET CENTERS, CONCEALED ARMS AND 4" HIGH BACKSPLASH. PROVIDE WITH A 0.5 GPM SINGLE LEVER FAUCET, CHROME PLATED 3/8" SUPPLIES WITH STOPS, GRID DRAIN, A KENTUCKY CODE P-TRAP, TAILPIECE AND ESCUTCHEONS. MOUNT LAVATORY AT A HEIGHT LEAVING A CLEARANCE OF AT LEAST 29" FROM THE FLOOR TO THE APRON AND THE RIM AT A MAXIMUM OF 34" AFF. PROVIDE ON THE EXPOSED WASTE PIPE AND WATER SUPPLY LINES A TRAP-WRAP INSULATION KIT WITH A VINYL AND PLASTIC COVERING.	1/2"	1/2"	2"	2"	Yes	Yes
P-4	SHOWER - ADA COMPLIANT : PROVIDE A PRESSURE BALANCING MIXING VALVE WITH COMBINATION INTEGRAL DIVERTER AND VOLUME CONTROL, ADJUSTABLE SCREW TO LIMIT HANDLE TURN, SHOWER HEAD WITH ARM AND FLANGE, AND A WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE AND 30" SLIDE BAR FOR HAND SHOWER MOUNTING. PROVIDE ZURN ZN-415 OR EQUAL FLOOR DRAIN WITH TYPE "B" STRAINER.	3/4"	3/4"	2"	2"	Yes	Yes
P-5	CLINICAL SERVICE SINK - WALL HUNG : WALL HUNG VITREOUS CHINA CLINICAL SERVICE SINK WITH BLOW-OUT FLUSHING ACTION RIM, STAINLESS STEEL RIM GUARDS, 11/2" CHROME PLATED BRASS TOP SPUD AND CHROME PLATED BRASS STRAINER. PROVIDE WITH BEDPAN WASHER ASSEMBLY WITH DOUBLE FOOT PEDAL CONTROL MIXING VALVE AND INTEGRAL STOPS, VACUUM BREAKER, HOSE WITH ANGLE SPRAY NOZZLE AND SPAY HOOK. PROVIDE WITH WALL MOUNTED CHROME PLATED SERVICE FAUCET WITH 6" WRIST BLADE HANDLE, SCREWDRIVER STOPS INLET SHANKS, PAIL HOOK AND WALL BRACE. PROVIDE FLUSH VALVE AND WALL CARRIER.	1-1/2"	3/4"	2"	4"	Yes	Yes
P-6	WATER SUPPLY WALL BOX : 10"X 8-1/2" RECESSED WATER VALVE BOX, 18 GAUGE STEEL BOX WITH A SINGLE 1/2" WATER SUPPLY INLET, ANGLE STOP AND 1/4" COMPRESSION OUTLET.	1/2"	-	-	-	Yes	Yes
P-7	2 STATION LAVATORY SYSTEM : BRADLEY MODEL SS-2/IR/WH OR EQUAL TWO STATION LAVATORY SYSTEM, WALL HUNG WITH RIM AT 31" AFF, WITH SOLID SURFACE TERREON MATERIAL WITH INFRARED SENSOR SOLENOID VALVE AND LOW VOLTAGE TRANSFORMER. PROVIDE WITH THERMOSTATIC MIXING VALVE ASSEMBLY. PROVIDE WITH CHROME PLATED SUPPLIES, ANGLE STOPS, P-TRAP AND ESCUTCHEONS. COLOR SHALL BE SELECTED BY THE ARCHITECT. 50" MAX WIDTH.	1/2"	1/2"	2"	2"	Yes	Yes
P-8	MOP BASIN : 24"X24"X10" HIGH MOLDED STONE MOP SERVICE BASIN, IN WHITE DRIFT COLOR, 3" DRAIN, SERVICE FAUCET, HOSE AND HOSE BRACKET, VINYL BUMPERGUARD AND STAINLESS STEEL WALL GUARDS. THE DRAIN SHALL BE LOCATED 12" TO THE CENTER. PROVIDE A CHECK VALVE IN THE HOT AND COLD WATER SUPPLIES.	3/4"	3/4"	2"	3"	Yes	Yes
P-9	ELECTRIC WATER COOLER - BI-LEVEL - ADA COMPLIANT : BI-LEVEL BARRIER FREE WATER COOLER WITH SINGLE COMPRESSOR, WATER SUPPLY, DRAIN AND ELECTRICAL CONNECTION. 8.0 GPH OF 50°F WATER AT 90°F AMBIENT AND 80°F INLET WATER. 18.8 GAUGE STAINLESS STEEL BASIN, 1/5 HP COMPRESSOR, 115V/1PH, SURFACE MOUNTED TO THE WALL WITH CHILLER BELOW BOWL AND SIDE AND FRONT PUSH BAR OPERATORS. MOUNT SO THE BOTTOM OF THE LOWER COOLER IS AT 9" MINIMUM AFF WITH A CLEARANCE OF 27" MINIMUM FROM THE BOTTOM OF THE APRON OF THE BOWL TO THE FINISHED FLOOR. THE DIMENSION TO THE CENTERLINE OF THE LOWER COOLER BUBBLER SHALL BE 35". PROVIDE WITH STAINLESS STEEL CANE TOUCH APRON ATTACHED TO THE HI COOLER.	1/2"	-	2"	2"	Yes	Yes

APPLICABLE BUILDING CODES

APPLICABLE BUILDING CODES	DOCUMENT	YEAR
ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	ANSI A117.1	2009
FIRE SPRINKLER CODE	NFPA 13	2013
INTERNATIONAL BUILDING CODE (IBC)	STATE EDITION	2015
INTERNATIONAL ENERGY CONSERVATION CODE (IECC) OR ASHRAE 90.1	STATE EDITION	2012
INTERNATIONAL FIRE CODE (IFC)	STATE EDITION	2015
INTERNATIONAL FUEL GAS CODE (IFGC)	STATE EDITION	2015
INTERNATIONAL MECHANICAL CODE (IMC)	STATE EDITION	2015
INTERNATIONAL PLUMBING CODE (IPC)	STATE EDITION	2015
INTERNATIONAL EXISTING BUILDING CODE (IEBC)	STATE EDITION	2009
NATIONAL ELECTRIC CODE (NEC)	NFPA 70	2017
NATIONAL FIRE ALARM & SIGNALING CODE	NFPA 72	2013
UNIFORM STATEWIDE BUILDING CODE		2018

Sheet List - Plumbing

SHEET #	SHEET NAME
P2.0	PLUMBING UNDERSLAB DEMO PLAN AREA A
P2.1	PLUMBING UNDERSLAB DEMO PLAN AREA B
P2.2	PLUMBING UNDERSLAB DEMO PLAN AREA C
P3.0	PLUMBING ABOVE SLAB DEMO PLAN AREA A
P3.1	PLUMBING ABOVE SLAB DEMO PLAN AREA B
P3.2	PLUMBING ABOVE SLAB DEMO PLAN AREA C
P4.0	PLUMBING ROOF DEMO PLAN AREA A
P4.1	PLUMBING ROOF DEMO PLAN AREA B
P4.2	PLUMBING ROOF DEMO PLAN AREA C
P5.0	PLUMBING UNDERSLAB NEW WORK PLAN AREA A
P5.1	PLUMBING UNDERSLAB NEW WORK PLAN AREA B
P5.2	PLUMBING UNDERSLAB NEW WORK PLAN AREA C
P6.0	PLUMBING ABOVE SLAB NEW WORK PLAN AREA A
P6.1	PLUMBING ABOVE SLAB NEW WORK PLAN AREA B
P6.2	PLUMBING ABOVE SLAB NEW WORK PLAN AREA C
P7.0	PLUMBING ROOF NEW WORK PLAN AREA A
P7.1	PLUMBING ROOF NEW WORK PLAN AREA B
P7.2	PLUMBING ROOF NEW WORK PLAN AREA C
P8.0	PLUMBING RISERS
P9.0	PLUMBING DETAILS
P9.1	PLUMBING DETAILS
UP1.0	PLUMBING SITE UTILITY DEMOLITION PLAN
UP1.1	PLUMBING SITE NEW WORK PLAN
P1.0	PLUMBING LEGEND

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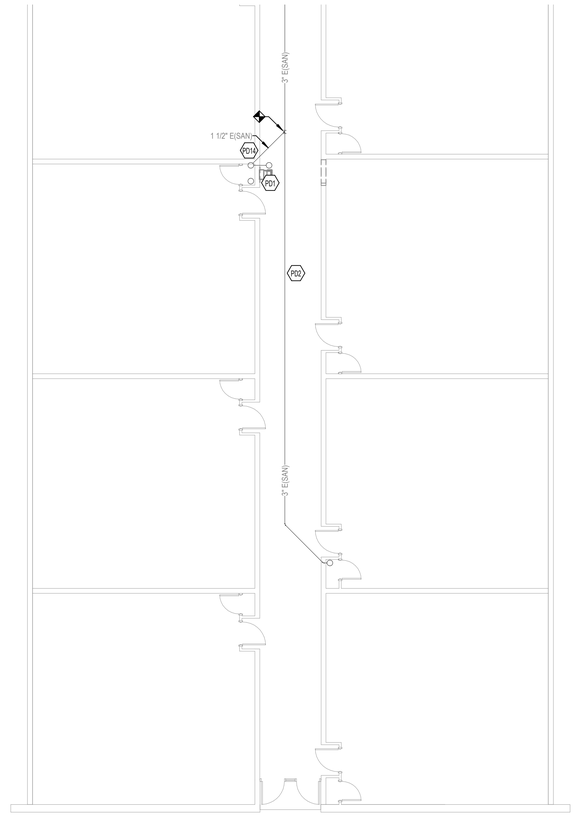
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PLUMBING LEGEND
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.

REVISIONS

#	DATE	DESCRIPTION



1 PLUMBING UNDERSLAB DEMO PLAN AREA A

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

0 2' 4' 8' 16' 24' 32'

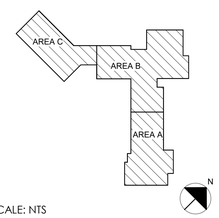
TAGGED NOTES

PD1 DEMOLISH WATER COOLER AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.

PD2 EXISTING SANITARY LINE TO REMAIN.

PD14 DEMOLISH SANITARY LINE BRANCH THAT SERVED FIXTURE(S). CAP BRANCH AT SANITARY MAIN. REPAIR, PATCH, AND FINISH FLOORS AND WALLS PER ARCHITECT'S SPECIFICATIONS.

KEY PLAN



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PLUMBING UNDERSLAB DEMO PLAN AREA A

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

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LEBANON, KENTUCKY

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BG#

Project No: 0000
Drawn By: DHA
Rev'd By: BDH

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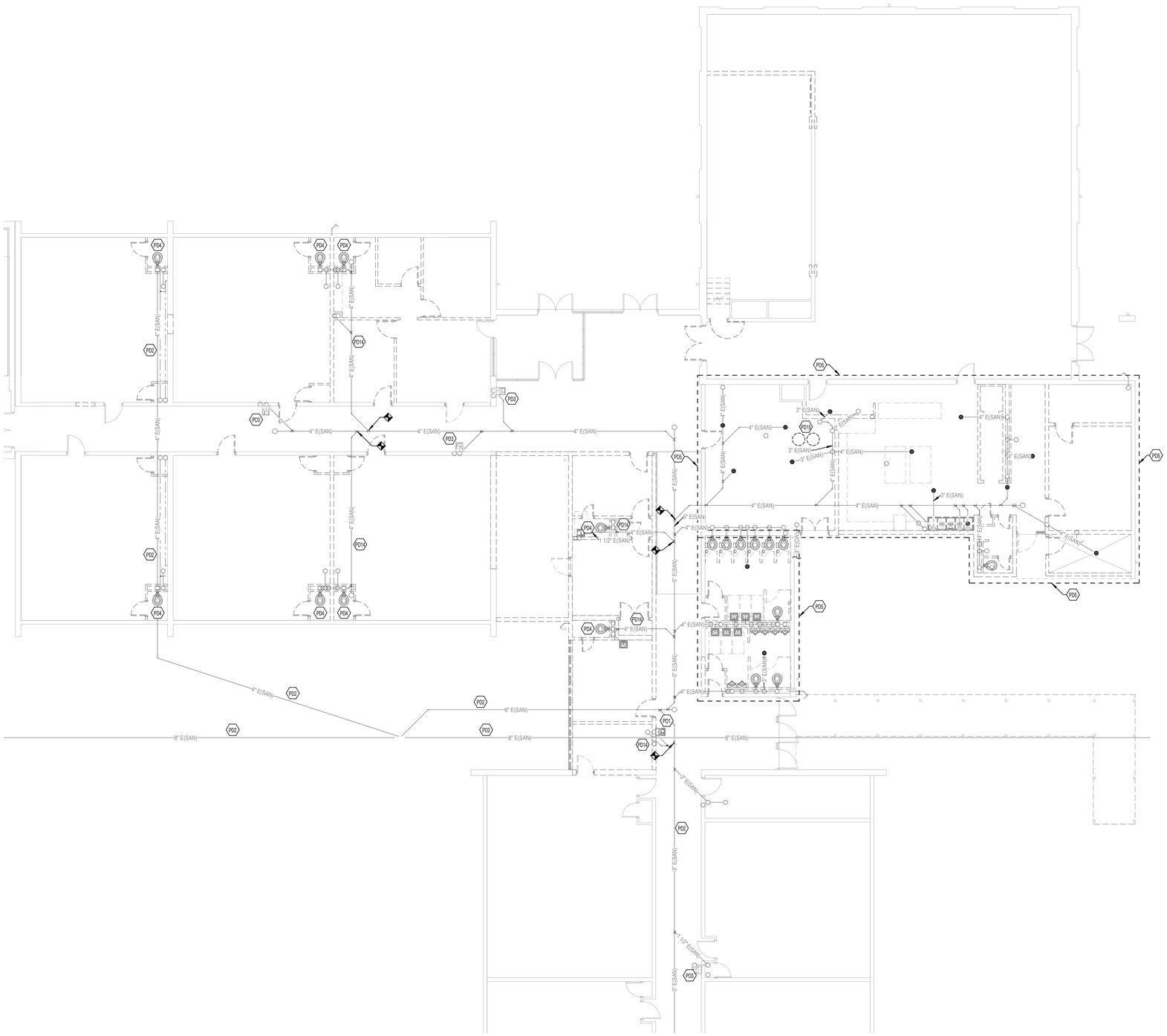
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P2.0

PLUMBING UNDERSLAB DEMO PLAN AREA A
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5/4/22

REVISIONS

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1 PLUMBING UNDERSLAB DEMO PLAN AREA B

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PD1 DEMOLISH WATER COOLER AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECTS SPECIFICATIONS.

PD2 EXISTING SANITARY LINE TO REMAIN.

PD3 EXISTING WATER COOLER TO REMAIN.

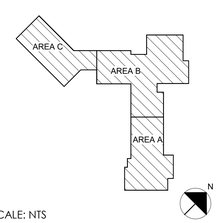
PD4 DEMOLISH WATER CLOSET AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.

PD5 DEMOLISH ALL PLUMBING FIXTURES AND ASSOCIATED PIPING IN THE OUTLINED AREA IN THEIR ENTIRETY. PREPARE FLOORS, WALLS, AND CEILINGS FOR NEW WORK PER ARCHITECT'S SPECIFICATIONS.

PD14 DEMOLISH SANITARY LINE BRANCH THAT SERVED FIXTURE(S). CAP BRANCH AT SANITARY MAIN. REPAIR, PATCH, AND FINSH FLOORS AND WALLS PER ARCHITECT'S SPECIFICATIONS.

PD15 DEMOLISH WATER HEATERS AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. REPAIR/PREPARE FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.

KEY PLAN



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PLUMBING UNDERSLAB DEMO PLAN AREA B

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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Project No:	0000
Drawn By:	DHA
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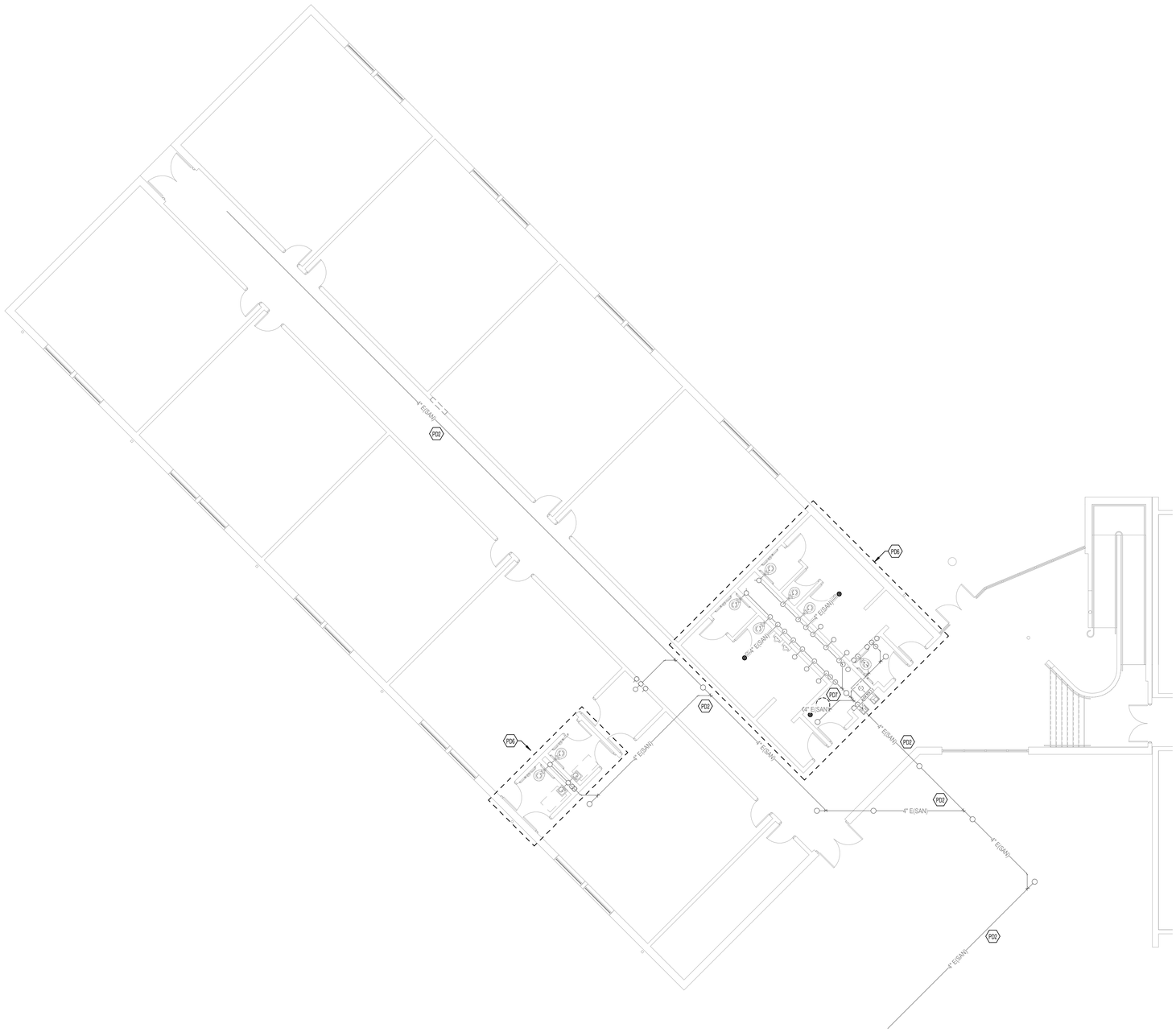
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P2.1

PLUMBING UNDERSLAB DEMO PLAN AREA B
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5/4/22

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1 PLUMBING UNDERSLAB DEMO PLAN AREA C
SCALE: 1/8" = 1'-0"
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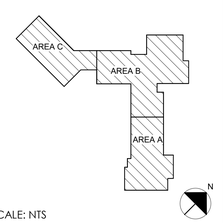
TAGGED NOTES

PD2 EXISTING SANITARY LINE TO REMAIN.

PD6 EXISTING PLUMBING FIXTURES IN THE OUTLINED AREA ARE TO REMAIN UNLESS NOTED OTHERWISE.

PD7 DEMOLISH WATER HEATER AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. CAP DROPS DOWN TO WATER HEATER ABOVE THE CEILING. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.

KEY PLAN



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PLUMBING UNDERSLAB DEMO PLAN AREA C
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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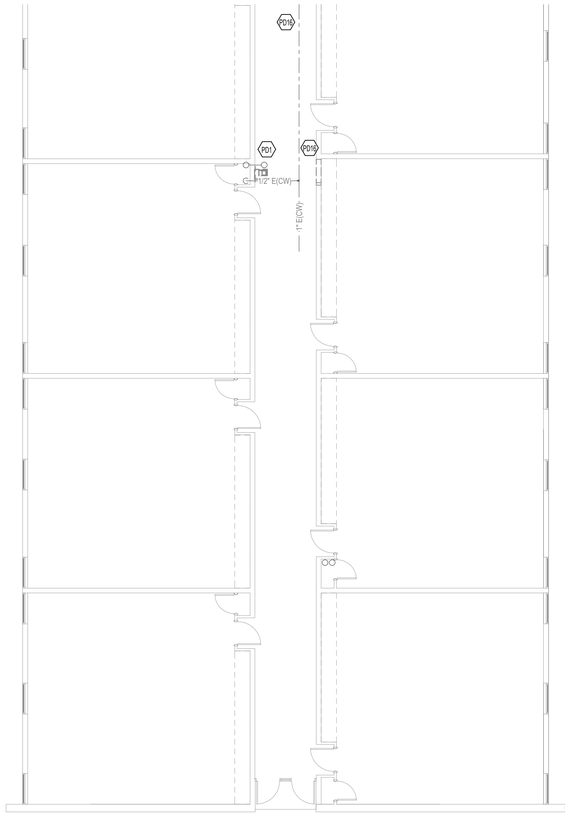
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P2.2

PLUMBING UNDERSLAB DEMO PLAN AREA C
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1 PLUMBING ABOVE SLAB DEMO PLAN AREA A

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

PD1 DEMOLISH WATER COOLER AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.

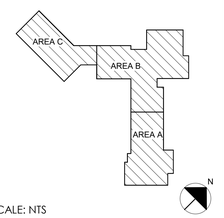
PD3 EXISTING WATER COOLER TO REMAIN.

PD9 DEMOLISH LAVATORY AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.

PD13 DEMOLISH SINK AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.

PD16 DEMOLISH WATER LINE IN IT'S ENTIRETY BACK TO THE POINT OF DEMOLITION.

KEY PLAN



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PLUMBING ABOVE SLAB DEMO PLAN AREA A

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

MARION COUNTY BOARD OF EDUCATION

LEBANON, KENTUCKY

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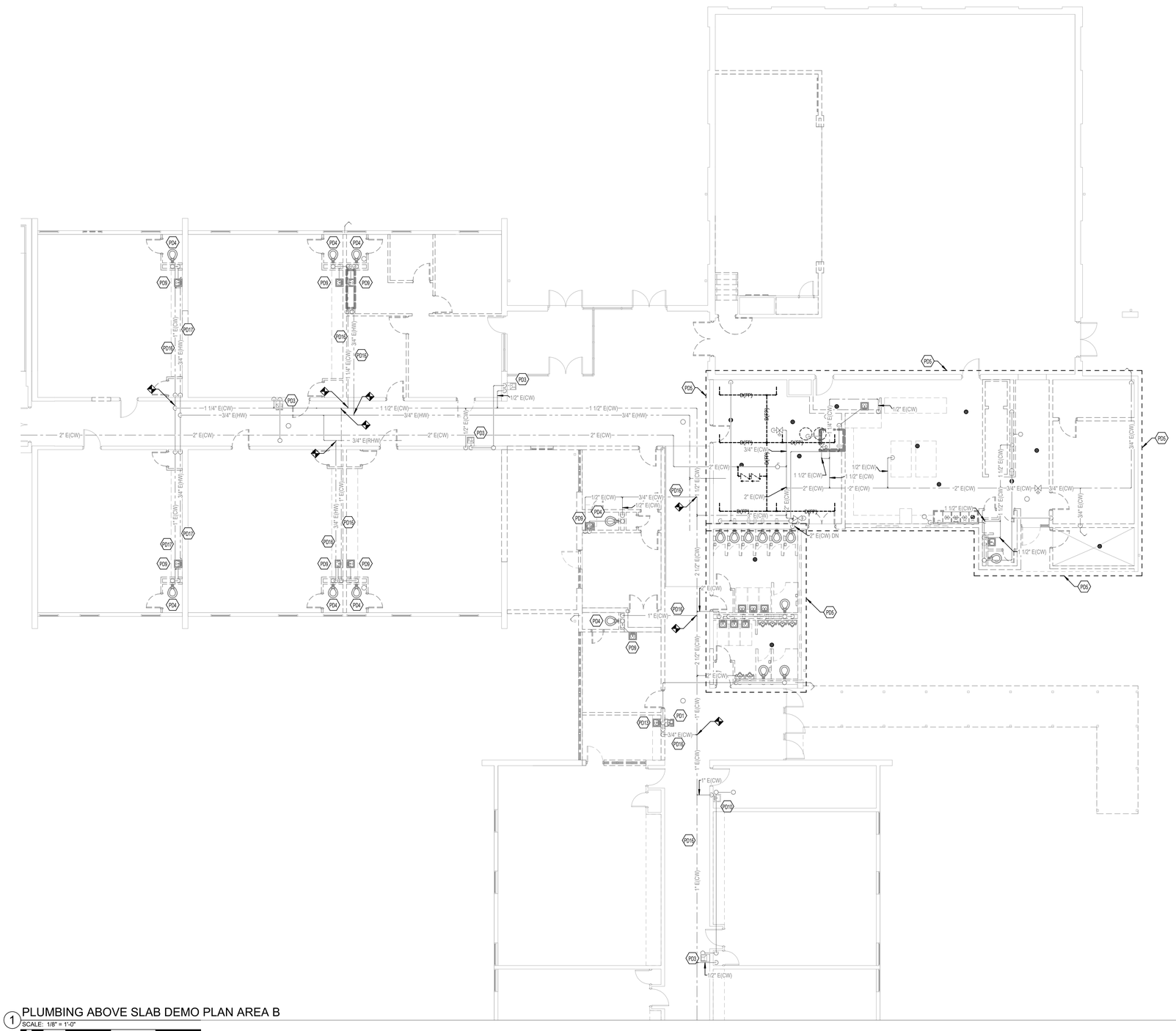
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P3.0

PLUMBING ABOVE SLAB DEMO PLAN AREA A
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5/4/22

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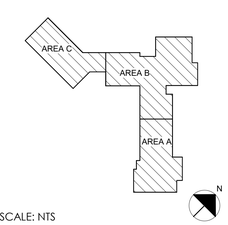


1 PLUMBING ABOVE SLAB DEMO PLAN AREA B
SCALE: 1/8" = 1'-0"
0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

PD1	DEMOLISH WATER COOLER AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD3	EXISTING WATER COOLER TO REMAIN.
PD4	DEMOLISH WATER CLOSET AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD5	DEMOLISH ALL PLUMBING FIXTURES AND ASSOCIATED PIPING IN THE OUTLINED AREA IN THEIR ENTIRETY. PREPARE FLOORS, WALLS, AND CEILINGS FOR NEW WORK PER ARCHITECT'S SPECIFICATIONS.
PD9	DEMOLISH LAVATORY AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD10	EXISTING SINK TO REMAIN.
PD13	DEMOLISH SINK AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD16	DEMOLISH WATER LINE IN ITS ENTIRETY BACK TO THE POINT OF DEMOLITION.
PD17	EXISTING WATER LINE TO REMAIN.

KEY PLAN



SCALE: NTS

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PLUMBING ABOVE SLAB DEMO PLAN AREA B
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P. Engineer:
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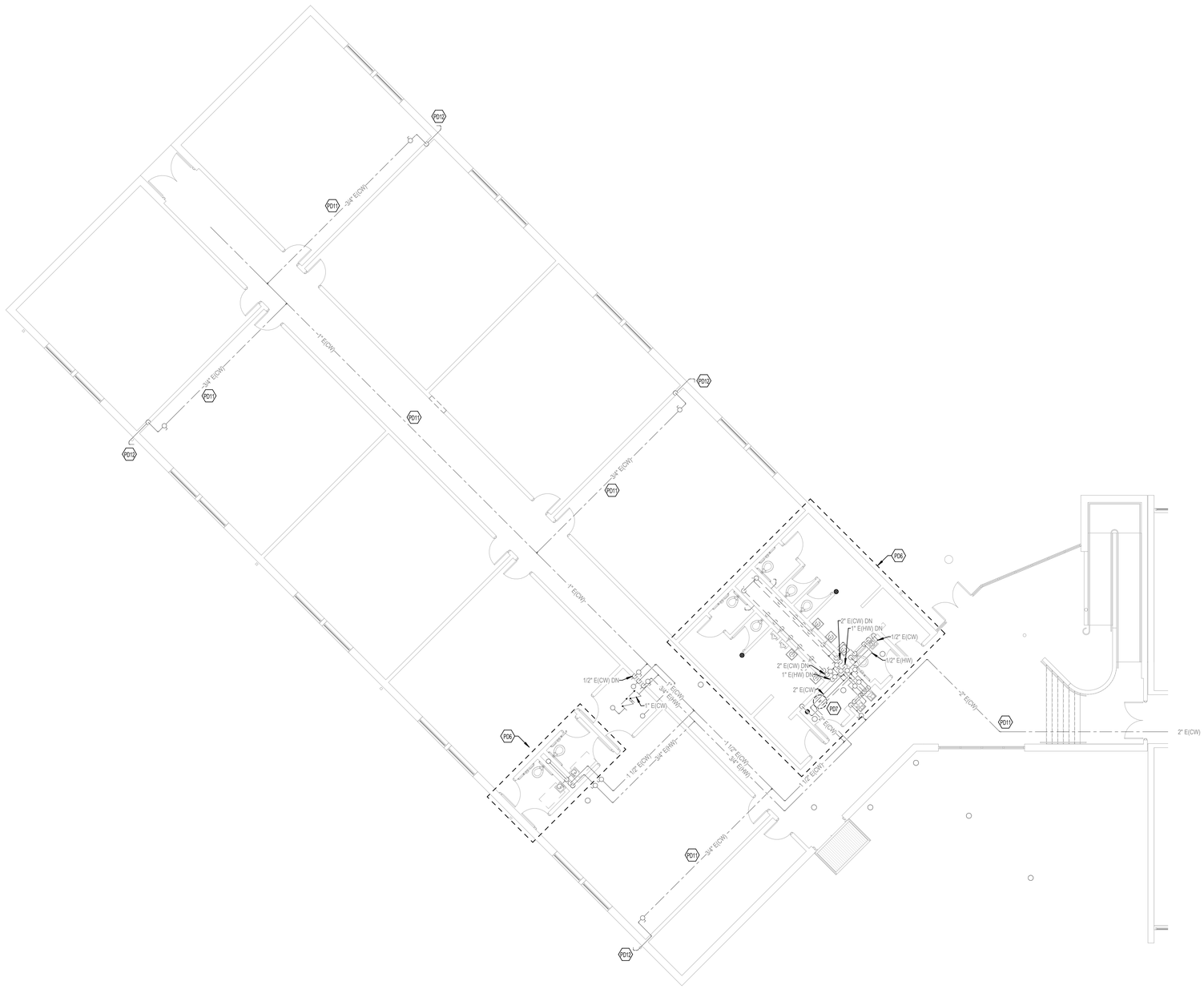
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P3.1

PLUMBING ABOVE SLAB DEMO PLAN AREA B
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5/4/22

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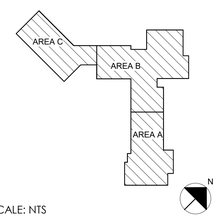


1 PLUMBING ABOVE SLAB DEMO PLAN AREA C
SCALE: 1/8" = 1'-0"
0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

PD1	DEMOLISH WATER COOLER AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD3	EXISTING WATER COOLER TO REMAIN.
PD6	EXISTING PLUMBING FIXTURES IN THE OUTLINED AREA ARE TO REMAIN UNLESS NOTED OTHERWISE.
PD7	DEMOLISH WATER HEATER AND ASSOCIATED PIPING AND ELECTRIC IN THEIR ENTIRETY. CAP DROPS DOWN TO WATER HEATER ABOVE THE CEILING. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD9	DEMOLISH LAVATORY AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD11	EXISTING WATER LINE TO REMAIN.
PD12	EXISTING WALL HYDRANT TO REMAIN.
PD13	DEMOLISH SINK AND ASSOCIATED PIPING IN THEIR ENTIRETY. REPAIR, PATCH, AND FINISH FLOORS, WALLS, AND CEILINGS PER ARCHITECT'S SPECIFICATIONS.
PD16	DEMOLISH WATER LINE IN ITS ENTIRETY BACK TO THE POINT OF DEMOLITION.

KEY PLAN



SCALE: NTS

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PLUMBING ABOVE SLAB DEMO PLAN AREA C
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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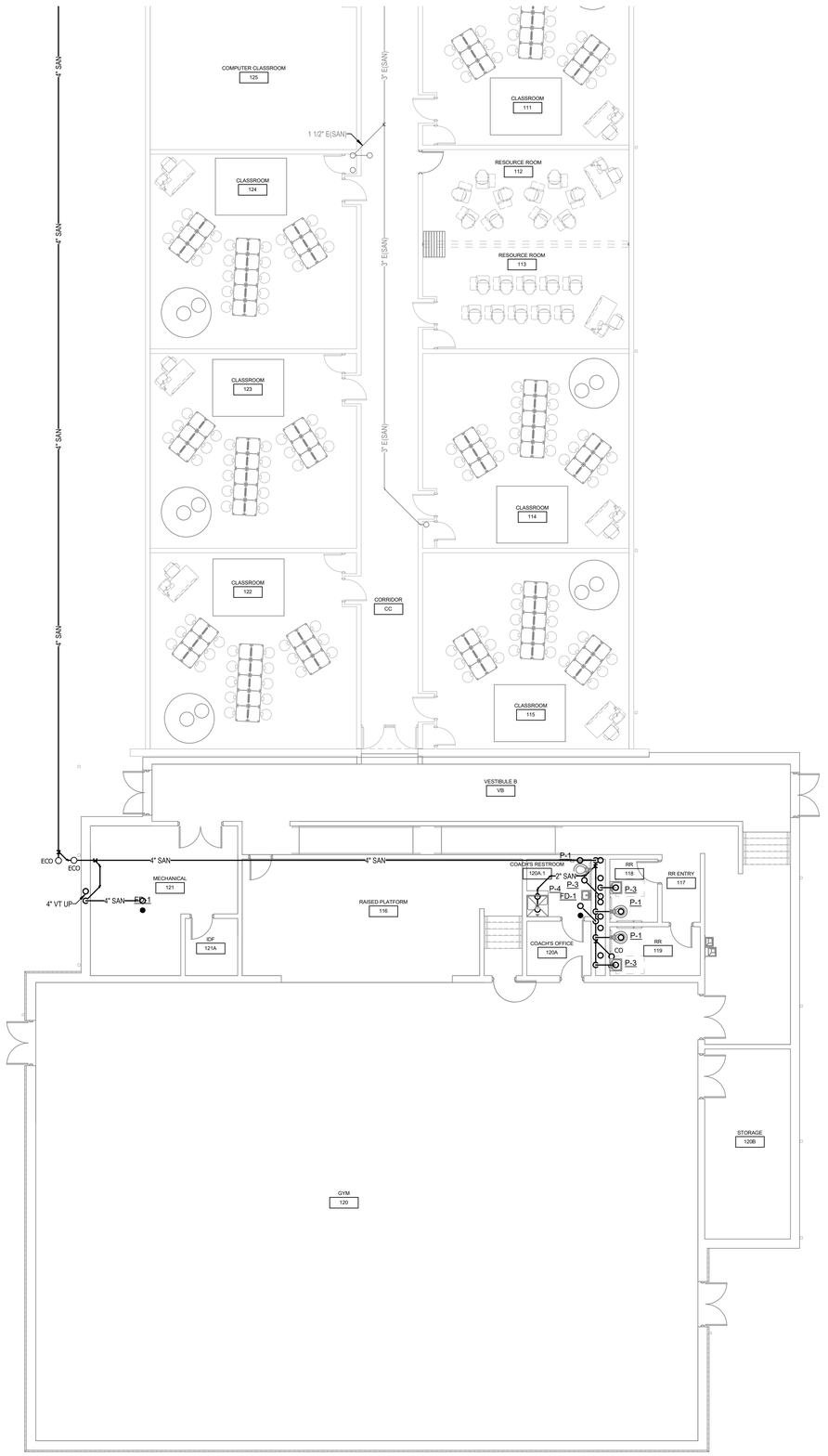
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P3.2

PLUMBING ABOVE SLAB DEMO PLAN AREA C
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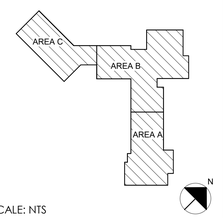
PLUMBING UNDERSLAB NEW WORK PLAN
AREA A

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p.859.254.4018

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PLUMBING UNDERSLAB NEW WORK PLAN AREA A
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

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

BG#

Project No: 0000
Drawn By: DHA
Rev'd By: BDH

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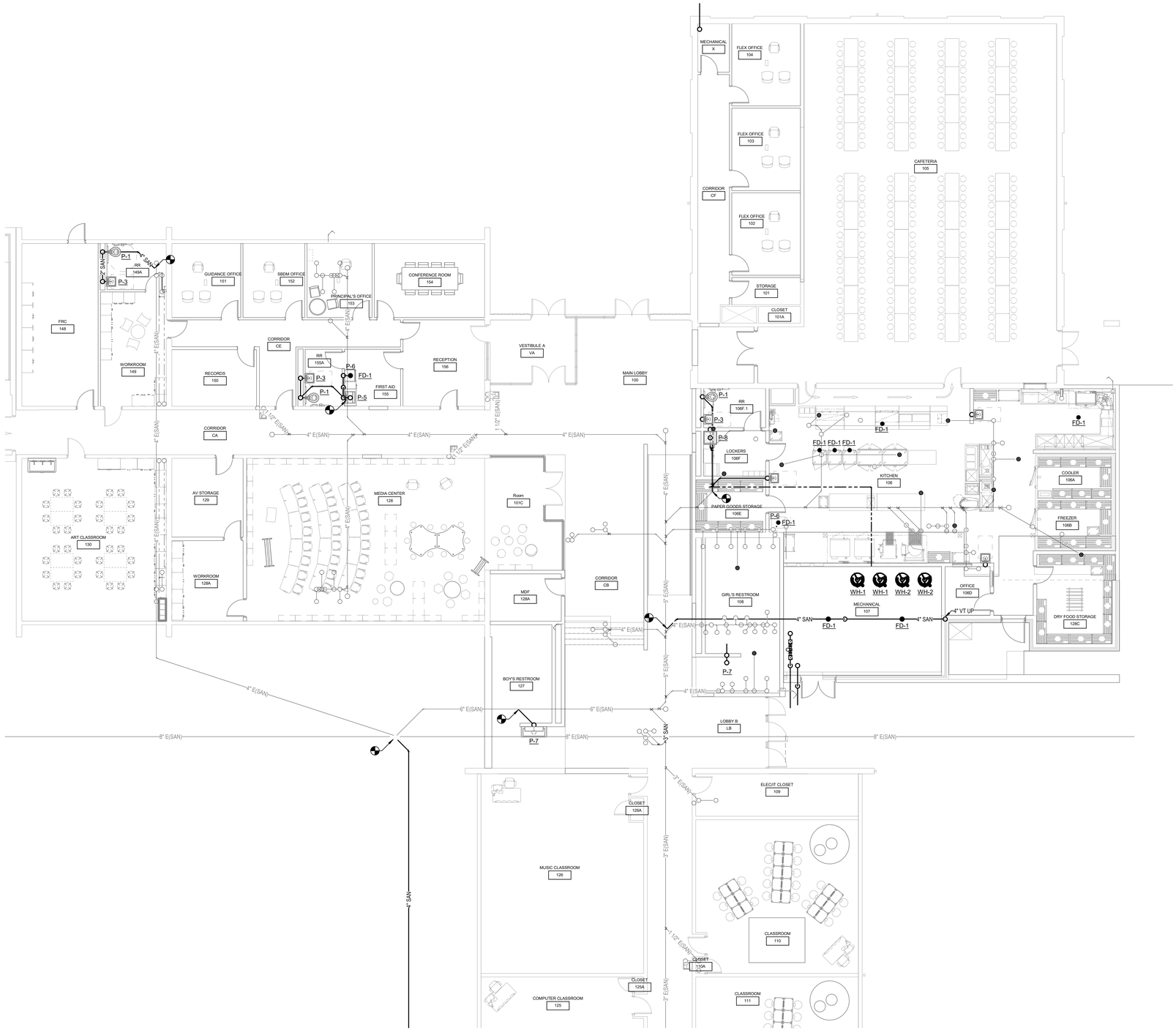
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PLUMBING UNDERSLAB NEW WORK PLAN AREA A
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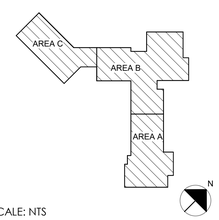
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AREA B

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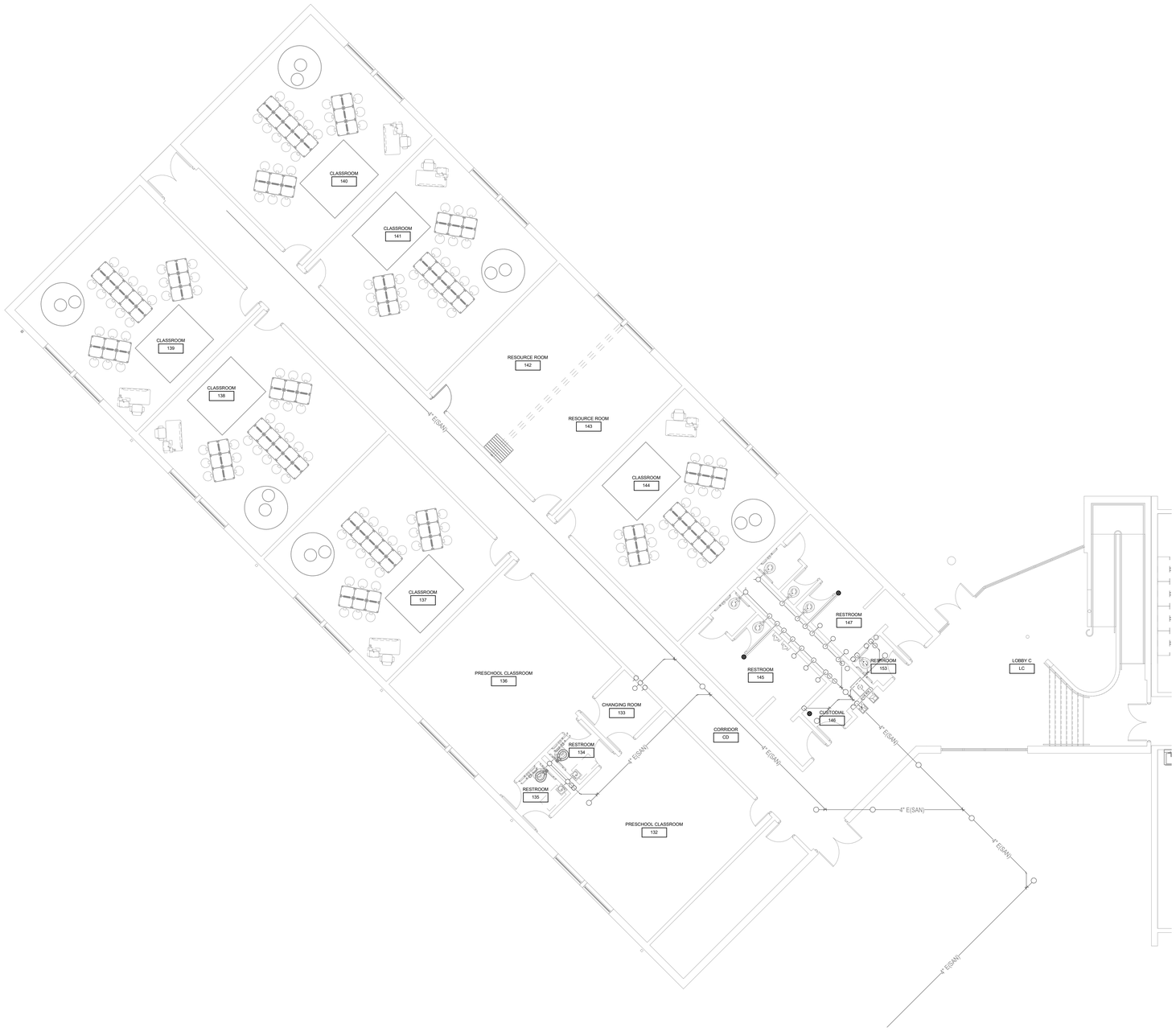
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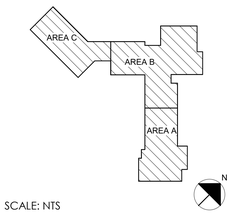
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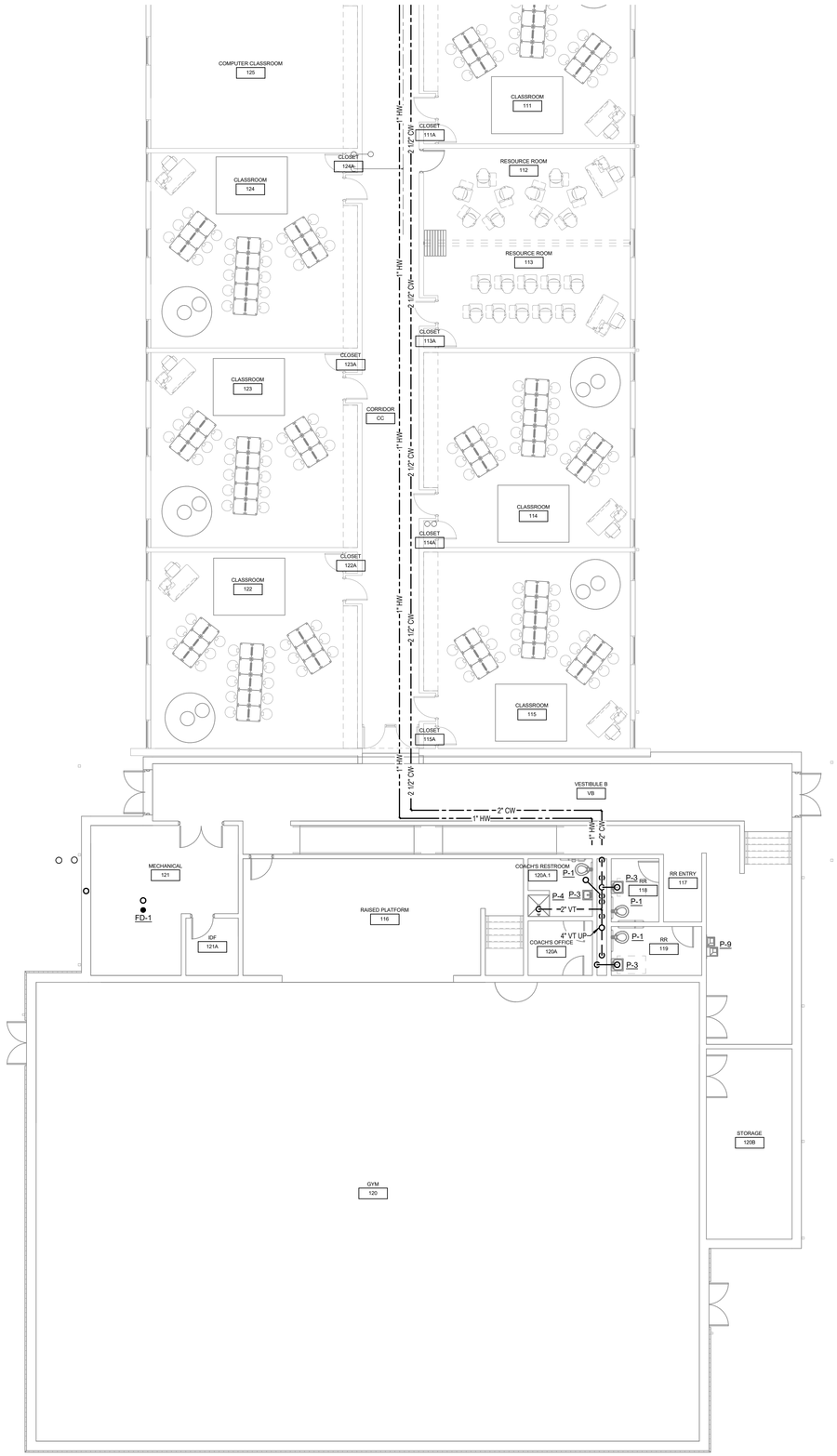
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PLUMBING UNDERSLAB NEW WORK PLAN AREA C
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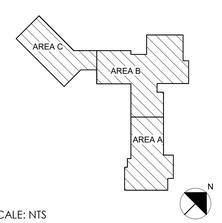
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TAGGED NOTES ##

KEY PLAN



SCALE: NTS

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Drawn By:	DHA
Rev'd By:	BDH

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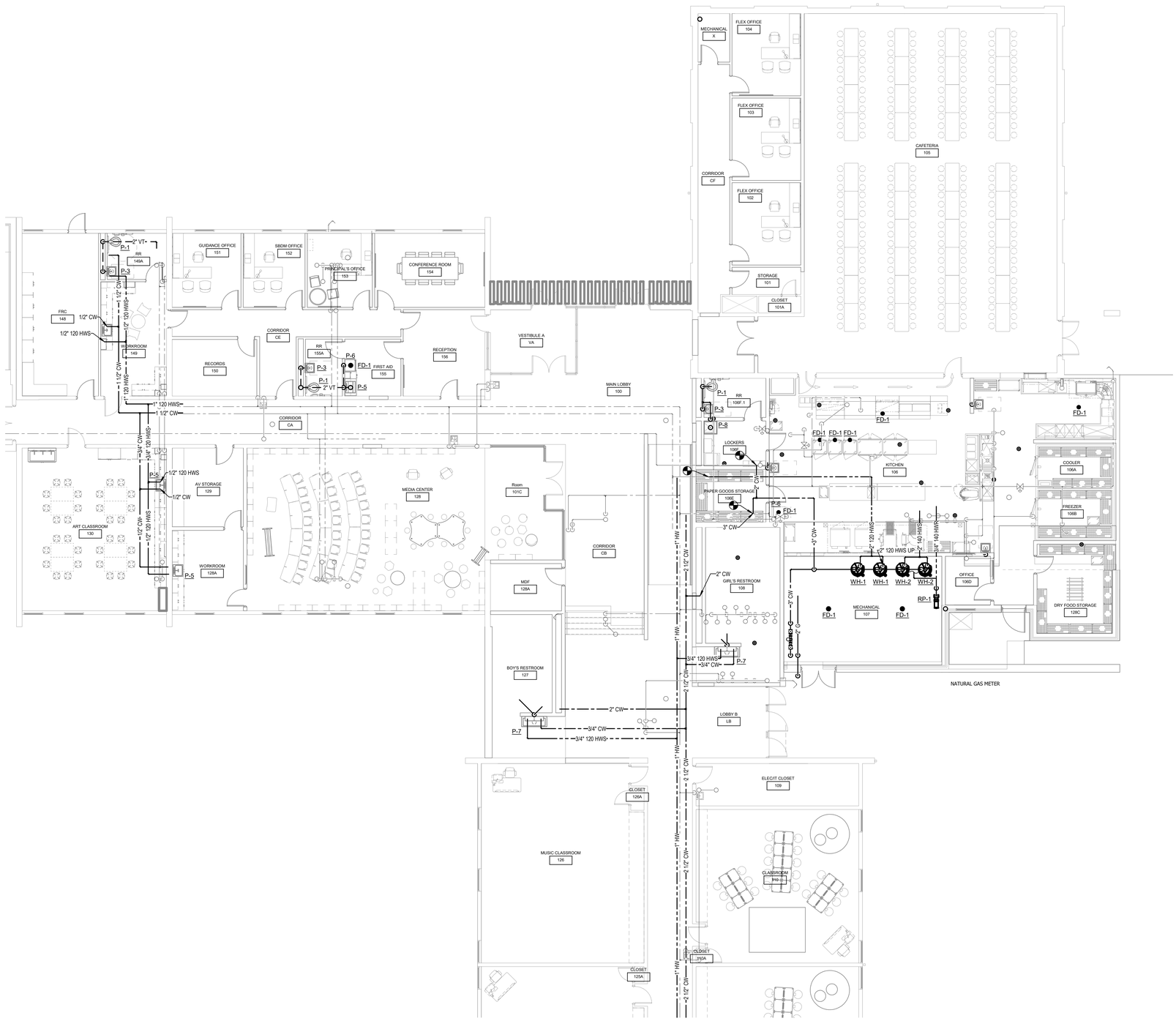
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PLUMBING ABOVE SLAB NEW WORK PLAN AREA A
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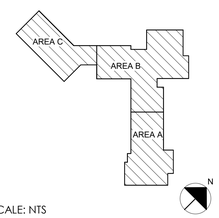
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TAGGED NOTES

KEY PLAN



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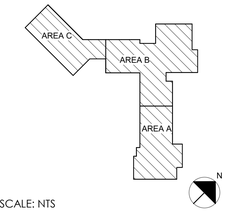
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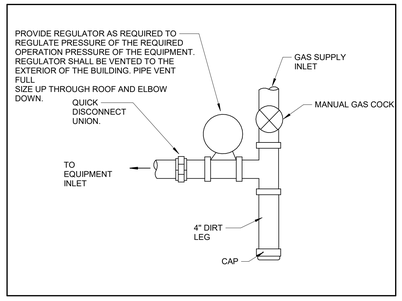
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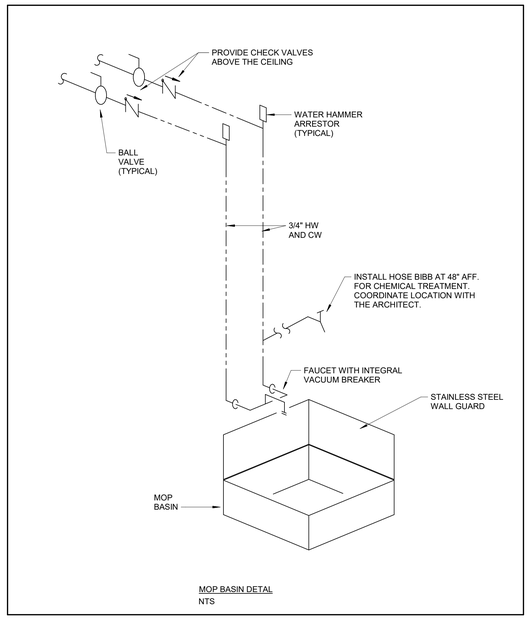
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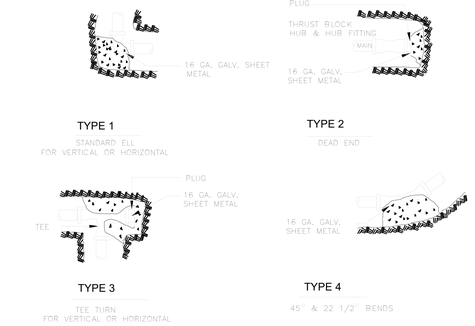


2 TYPICAL GAS CONNECTION DETAIL
SCALE: NONE



MOP BASIN DETAL
NTS

3 MOP BASIC DETAIL
SCALE: NONE

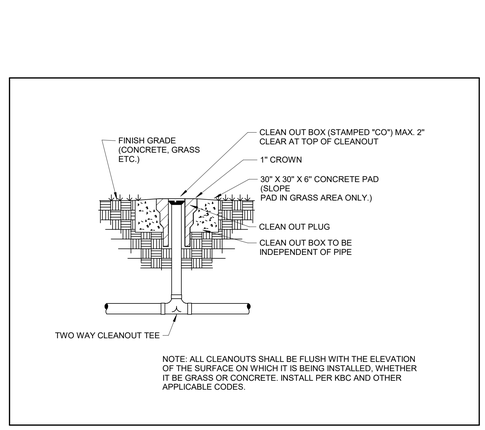


AREAS OF THRUST BLOCK REQUIRED

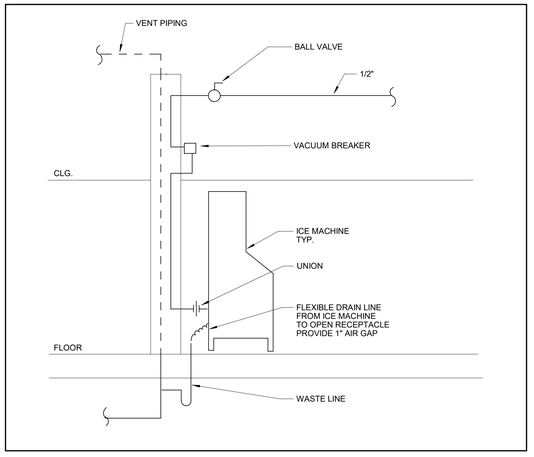
PIPE SIZE	TEES AND DEAD ENDS	90° BEND	45° BEND	22 1/2 BEND
3"	1 SQ. FT.	1 SQ. FT.	1 SQ. FT.	.5 SQ. FT.
4"	1 SQ. FT.	1.5 SQ. FT.	1 SQ. FT.	.5 SQ. FT.
6"	2 SQ. FT.	3 SQ. FT.	2 SQ. FT.	1 SQ. FT.
8"	4 SQ. FT.	5 SQ. FT.	3 SQ. FT.	1.5 SQ. FT.

NOTE: LENGTH, WIDTH & MINIMUM THICKNESS OF THRUST BLOCKS SHALL BE EQUAL TO THE DIAMETER OF THE PIPE FOR WHICH THEY ARE INSTALLED.

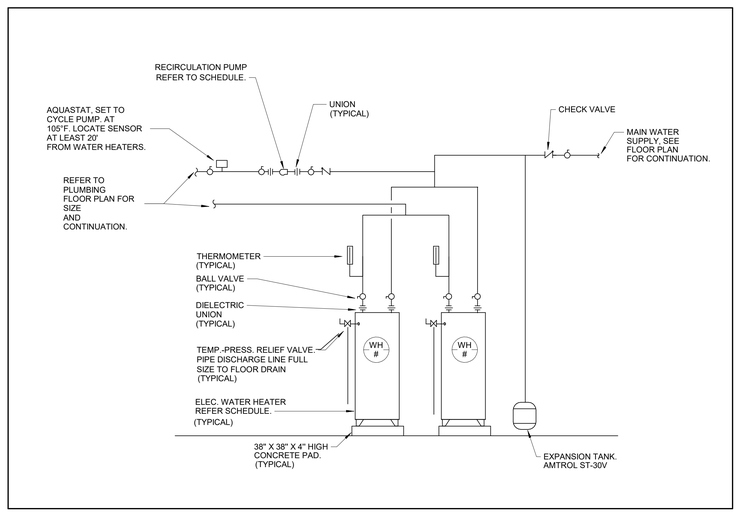
5 THRUST BLOCK DETAILS FOR FIRE PROTECTION & DOMESTIC WATER
SCALE: NONE



1 EXTERIOR CLEANOUT DETAIL
SCALE: NONE



7 ICE MACHINE PIPING SCHEMATIC
SCALE: NONE



8 DUAL WATER HEATERS WITH RECIRC - PIPING SCHEMATIC
SCALE: NONE

GREASE INTERCEPTOR SCHEDULE

MARK	INSTANCE MARK	MANUFACTURER	MODEL	TYPE	SERVICE	DIMENSION (IN) LENGTH	WIDTH	HEIGHT	VOLUME (GAL)	INLET PIPE DIA (IN)	OUTLET PIPE DIA (IN)	MAX GREASE CAPACITY (GAL)	MAX SOLIDS CAPACITY (GAL)	REMARKS

REMARKS
1.

DOMESTIC HOT WATER RECIRCULATION PUMP SCHEDULE

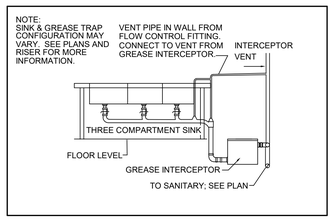
MARK	MANUFACTURER	MODEL	SERVICE	GPM	PRESS DROP (FT HEAD)	MOTOR HP	VOLTAGE	PHASE	REMARKS
RP-1									

REMARKS
1.

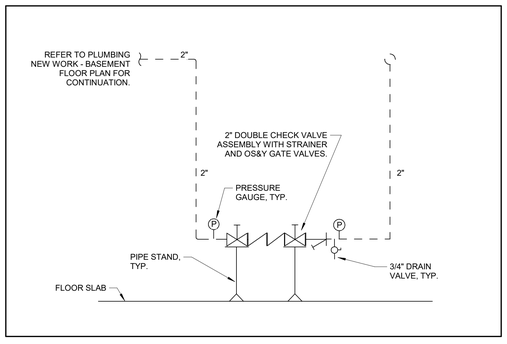
WATER HEATER SCHEDULE - GAS

MARK	MANUFACTURER	MODEL #	SERVICE	STORAGE (GAL)	RECOVERY @ 100°F RISE (GPH)	NATURAL GAS INPUT (MBH)	ALLOWABLE GAS PRESSURE RANGE (" WC)	VOLTAGE	PHASE	REMARKS
WH-1	AO SMITH		120 DEGREES F			199.0				ALL
WH-2	AO SMITH		140 DEGREES F			199.0				ALL

REMARKS
1.



4 RECESSED GREASE INTERCEPTOR DETAIL
SCALE: NONE



6 DOMESTIC WATER ENTRANCE SCHEMATIC
SCALE: NONE

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PLUMBING DETAILS

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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PLUMBING DETAILS

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MECHANICAL GENERAL NOTES

A COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.

B THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

C WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.

D ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.

E COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.

F PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.

G OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)

H CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING, HVAC AND ELECTRICAL WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.

I WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, FIRE PROTECTION LINES, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.

J ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.

K ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.

L ALL DUCTWORK, PIPING, CONDUITS, ETC. IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.

M INSTALL AIR VENTS AT HIGH POINTS IN PIPING AND DRAINS IN LOW POINTS. USE CARE TO AVOID FREEZING OF EXTERIOR VENTS.

N LOCATIONS OF PIPING, DUCTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.

O ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.

P COORDINATE ALL HVAC WORK WITH ELECTRICAL, PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.

Q INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.

R SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.

S SEAL ALL NEW DUCTWORK JOINTS WITH UNITED MCGILL, IRONGRIP 601 OR EQUAL WATER BASED SEALANT.

T ALL MOTOR DRIVEN EQUIPMENT SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO DUCTWORK, PIPING, ETC., UNLESS OTHERWISE NOTED.

U THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.

V WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.

W DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.

X ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.

Y DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.

Z VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.

AA ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.

AB WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.

AC WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE (AMP, AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS
ATU	AIR TERMINAL UNIT
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
C.I.	CAST IRON
CLG	CEILING
CLR	CLEAR
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
COND	CONDENS (-ER, -ING, -ATION, -ATE)
CONT	CONTINU (-ED, -OUS)
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CV	VALVE FLOW COEFFICIENT
dB	DECIBEL
DB	DRY BULB
DBT	DRY BULB TEMPERATURE
DC	DIRECT CURRENT
DD	DUCT SMOKE DETECTOR
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE (-S)
DIA	DIAMETER (-S)
DN	DOWN
DWG	DRAWING
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVA (-TION, -TOR)
ENGR	ENGINEER
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EVAP	EVAPORAT (-E, -ING, -ED, -OR, -ION)
EWT	ENTERING WATER TEMPERATURE
EXP	EXPANSION
EXT	EXTERIOR
FA	FREE AREA

ABBREVIATIONS (CONTINUED)

FD	FIRE DAMPER
FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET **OR** FOOT
FUT	FUTURE
FV	FACE VELOCITY
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRAINS
H	HUMIDITY
HD	HEAD
HG	MERCURY
HORIZ	HORIZONTAL
HP	H (-ORSEPOWER, -EAT PUMP)
HR	HOUR (-S)
HVAC	HEATING, VENTILATING, & AIR-CONDITIONING
Hz	HERTZ
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INSUL	INSULAT (-ED, -ION)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
kW	KILOWATT
kWh	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FEET/FOOT
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION [AMPS]
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA **OR** NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NIC	NOT IN CONTRACT

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN **OR** NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
OFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OR	OPEN RECEPTACLE
OZ	OUNCE (-S)
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PLBG	PLUMBING
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
RH	RELATIVE HUMIDITY [%]
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SD	SMOKE DAMPER
SP	STATIC PRESSURE
SQ	SQUARE
SQ FT	SQUARE FEET **OR** FOOT
SQ IN	SQUARE INCH **OR** INCHES
TAB	TESTING AND BALANCING
TBD	TO BE DETERMINED
TE	TOP ELEVATION
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VARI (-ABLE, -IES)
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FEQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WBT	WET BULB TEMPERATURE
WPD	WATER PRESSURE DROP
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
℄	CENTERLINE

GENERAL SYMBOLS

(#)	TAGGED NOTE DESIGNATOR
1	REVISION TRIANGLE
ROOM NAME [SEE 2]	ROOM TAG
TAG XXX-# INSTANCE XXXX	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

HVAC LEGEND

	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	EXHAUST AIR DIFFUSER
	TRANSFER AIR DIFFUSER W/ SOUND ATTENUATING BOOT
	SIDEWALL DIFFUSER/GRILLE
	SIDEWALL DIFFUSER/GRILLE
TAG (XXX) AIRFLOW #,###	AIR DEVICE TAG (REGISTER, GRILLE, DIFFUSER,LOUVER)
##x##	RECTANGULAR DUCT
#ø	ROUND/SPIRAL DUCT
##/##	FLAT OVAL DUCT
SA	SUPPLY AIR DUCT
RA	RETURN AIR DUCT
EA	EXHAUST AIR DUCT
OA	OUTSIDE AIR DUCT
TA	TRANSFER AIR DUCT
CAE	COMBUSTION AIR EXHAUST DUCT
CAI	COMBUSTION AIR INTAKE DUCT
SA	SA AIR DUCT TURNING UP
SA	SA AIR DUCT TURNING DOWN
RA	RA AIR DUCT TURNING UP
RA	RA AIR DUCT TURNING DOWN
EA	EA AIR DUCT TURNING UP
EA	EA AIR DUCT TURNING DOWN
E(XXX)	EXISTING DUCT - (XXX) DENOTES SYSTEM
D(XXX)	DUCT TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
A(XXX)	DUCT TO BE ABANDONED IN PLACE - (XXX) DENOTES SYSTEM
	MITERED ELBOW WITH TURNING VANES
	FLEXIBLE DUCT
T	THERMOSTAT
TS	TEMPERATURE SENSOR
H	HUMIDITY SENSOR
C	CARBON DIOXIDE SENSOR
TC	TEMPERATURE & CARBON DIOXIDE SENSOR
VERT. HORIZ.	MANUAL BALANCING/VOLUME DAMPER
VERT. HORIZ.	MOTORIZED DAMPER
VERT. HORIZ.	FIRE DAMPER
VERT. HORIZ.	SMOKE DAMPER
VERT. HORIZ.	COMBINATION FIRE & SMOKE DAMPER

MECHANICAL PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
BFW	BOILER FEEDWATER
CAI/E	COMBUSTION AIR INTAKE/EXHAUST
CD	CONDENSATE DRAIN
GS/R	GEOTHERMAL WATER SUPPLY/RETURN
HPS/R	HEAT PUMP WATER SUPPLY/RETURN
D(XXX)	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
E(XXX)	EXISTING PIPING - (XXX) DENOTES SYSTEM
A(XXX)	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	AUTOMATIC AIR VENT (AAV)
	MANUAL AIR VENT (MAV)
	MANUAL BALANCING VALVE (BV)
	BALL VALVE
	BUTTERFLY VALVE
	TRIPLE DUTY VALVE (TDV)
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	AUTO-FLOW CONTROL VALVE
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	FLEXIBLE PIPE CONNECTION
	FLOW METER (VENTURI)
	PIPING UNION
FS	FLOW SWITCH
PS	PRESSURE SWITCH
TS	TAMPER SWITCH
	THERMOMETER
	PETE'S PLUG; TEMPERATURE/PRESSURE PORT

MECHANICAL DEMOLITION NOTES

A THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELED VERIFY EXACT REQUIREMENTS.

B DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTORS SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTAGES.

C ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.

D ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.

E HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

F COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.

G ALL OUTAGES SHALL BE SCHEDULED THROUGH THE UK CPMD PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.

H ALL DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE INSTALLED A MINIMUM OF 4" ABOVE THE TOP OF THE CEILING GRID PER UK STANDARDS.

MECHANICAL PHASING NOTES

A THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

MECHANICAL HAZARDOUS MATERIALS NOTES

A THE CONTRACTOR IT IS HEREBY ADVISED THAT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC., WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.

B CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FURTHERMORE, CMTA NOR ANY AFFILIATE HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.

C IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM IMMEDIATELY.

D THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.

E THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

APPLICABLE BUILDING CODES

APPLICABLE BUILDING CODES	DOCUMENT	YEAR
ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	ANSI A117.1	2009
FIRE SPRINKLER CODE	NFPA 13	2013
INTERNATIONAL BUILDING CODE (IBC)	STATE EDITION	2015
INTERNATIONAL FIRE CODE (IFC)	STATE EDITION	2015
INTERNATIONAL FUEL GAS CODE (IFGC)	STATE EDITION	2015
INTERNATIONAL MECHANICAL CODE (IMC)	STATE EDITION	2015
INTERNATIONAL PLUMBING CODE (IPC)	STATE EDITION	2015
INTERNATIONAL EXISTING BUILDING CODE (IEBC)	STATE EDITION	2009
NATIONAL ELECTRIC CODE (NEC)	NFPA 70	2017
NATIONAL FIRE ALARM & SIGNALING CODE	NFPA 72	2013
UNIFORM STATEWIDE BUILDING CODE		2018

Sheet List - Mechanical

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M1.0	MECHANICAL LEGEND
M2.0	AIR DISTRIBUTION DEMO PLAN AREA A
M2.1	AIR DISTRIBUTION DEMO PLAN AREA B
M2.2	AIR DISTRIBUTION DEMO PLAN AREA C
M3.0	HYDRONICS DEMO PLAN AREA A
M3.1	HYDRONICS DEMO PLAN AREA B
M3.2	HYDRONICS DEMO PLAN AREA C
M4.0	AIR DISTRIBUTION NEW WORK PLAN AREA A
M4.1	AIR DISTRIBUTION NEW WORK PLAN AREA B
M4.2	AIR DISTRIBUTION NEW WORK PLAN AREA C
M5.0	HYDRONICS NEW WORK PLAN AREA A
M5.1	HYDRONICS NEW WORK PLAN AREA B
M5.2	HYDRONICS NEW WORK PLAN AREA C
M6.0	MECHANICAL ROOF DEMOLITION PLAN
M6.1	MECHANICAL NEW ROOF PLAN
M7.0	ENLARGED MECHANICAL ROOMS
M8.0	PIPING SCHEMATICS
M9.0	MECHANICAL DETAILS
M9.1	MECHANICAL DETAILS
M10.0	MECHANICAL SCHEDULES
UM1.0	MECHANICAL SITE UTILITY DEMOLITION PLAN
UM1.1	MECHANICAL SITE UTILITY NEW WORK PLAN
UMX.X	DNU - MECHANICAL SITE UTILITY NEW WORK PLAN

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

NOT FOR CONSTRUCTION

MECHANICAL LEGEND
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
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Structural Engineer:
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BG#

Project No: 0000
Drawn By: NSA
Rev'd By: BDH

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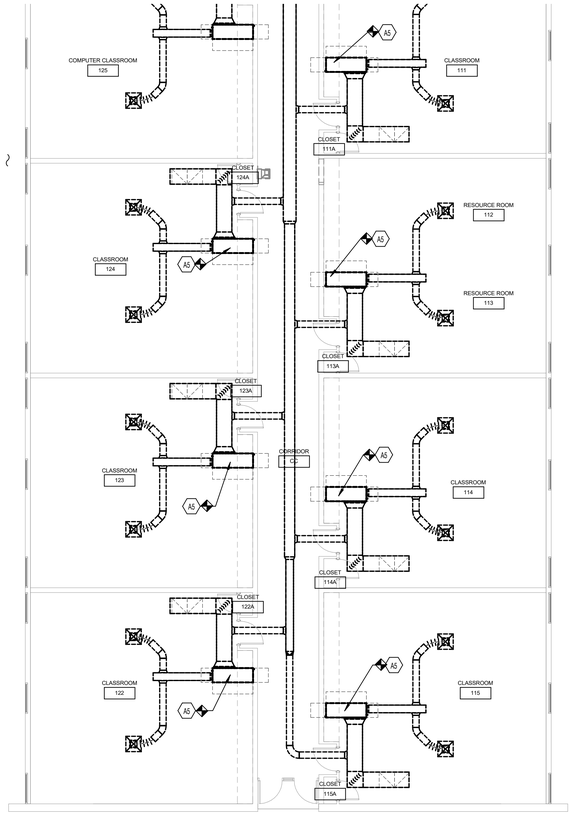
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MECHANICAL LEGEND

DATE ISSUED:
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REVISIONS

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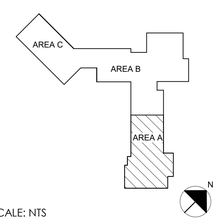
AIR DISTRIBUTION DEMO PLAN AREA A
1/8" = 1'-0"
1 / M2.0

TAGGED NOTES

##

A5 REMOVE EXISTING WATER SOURCE HEAT PUMP, ASSOCIATED DUCTWORK AND DIFFUSERS. REMOVE ALL ASSOCIATED CONTROLS, SUPPORTS AND ASSOCIATED APPURTENANCES.

KEY PLAN



SCALE: NTS

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AIR DISTRIBUTION DEMO PLAN AREA A

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:

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LEBANON, KENTUCKY

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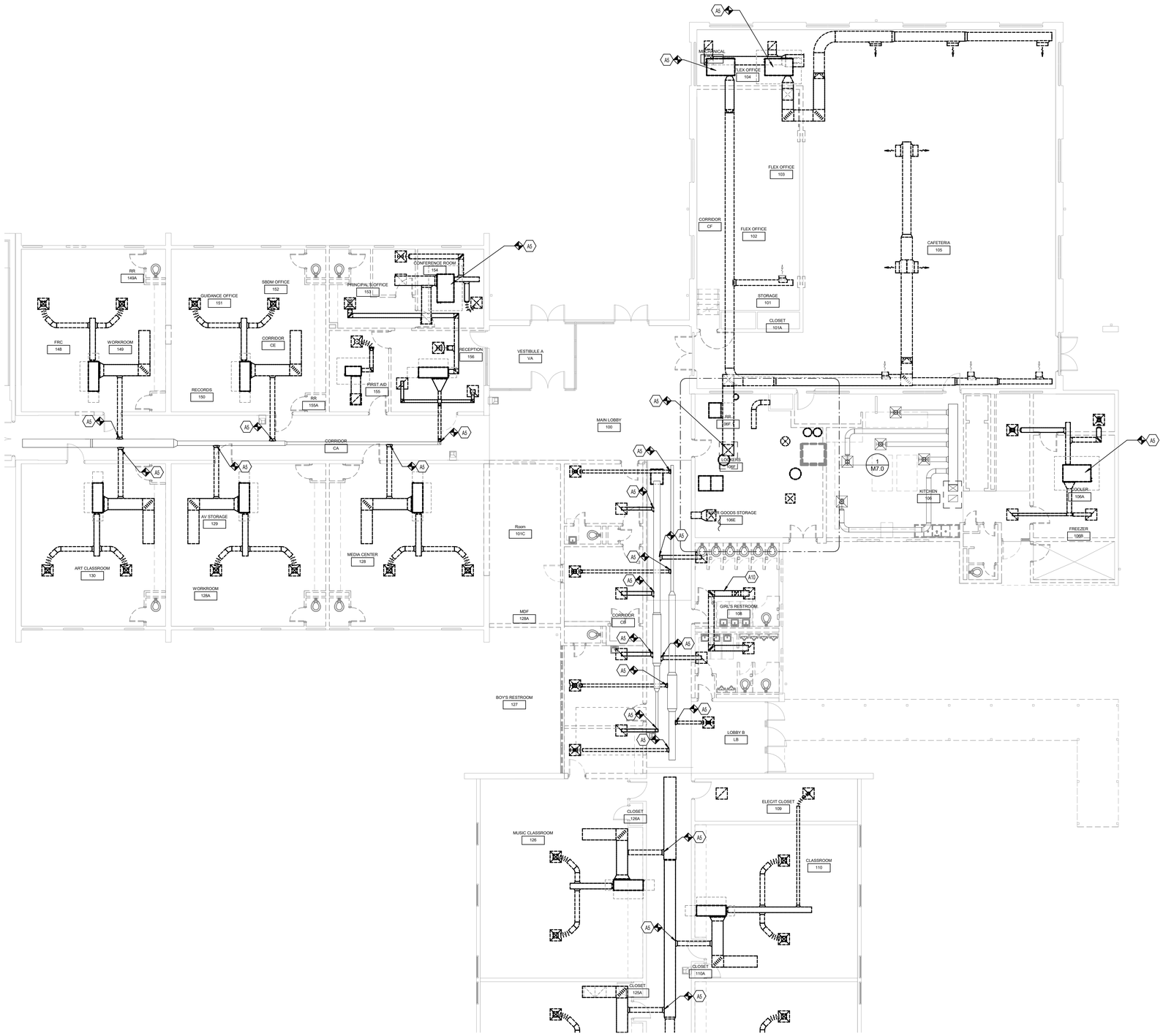
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AIR DISTRIBUTION DEMO PLAN AREA B
1/8" = 1'-0"
1 / M2.1

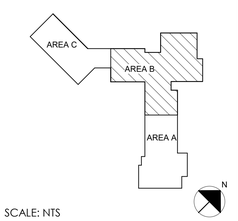
TAGGED NOTES

##

A5 REMOVE EXISTING WATER SOURCE HEAT PUMP, ASSOCIATED DUCTWORK AND DIFFUSERS. REMOVE ALL ASSOCIATED CONTROLS, SUPPORTS AND ASSOCIATED APPURTENANCES.

A10 DEMOLISH ALL EXISTING EXHAUST AIR DUCTWORK IN GIRL'S RESTROOM. REMOVE ASSOCIATED EXHAUST FAN AND ALL ASSOCIATED CONTROLS.

KEY PLAN



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AIR DISTRIBUTION DEMO PLAN AREA B
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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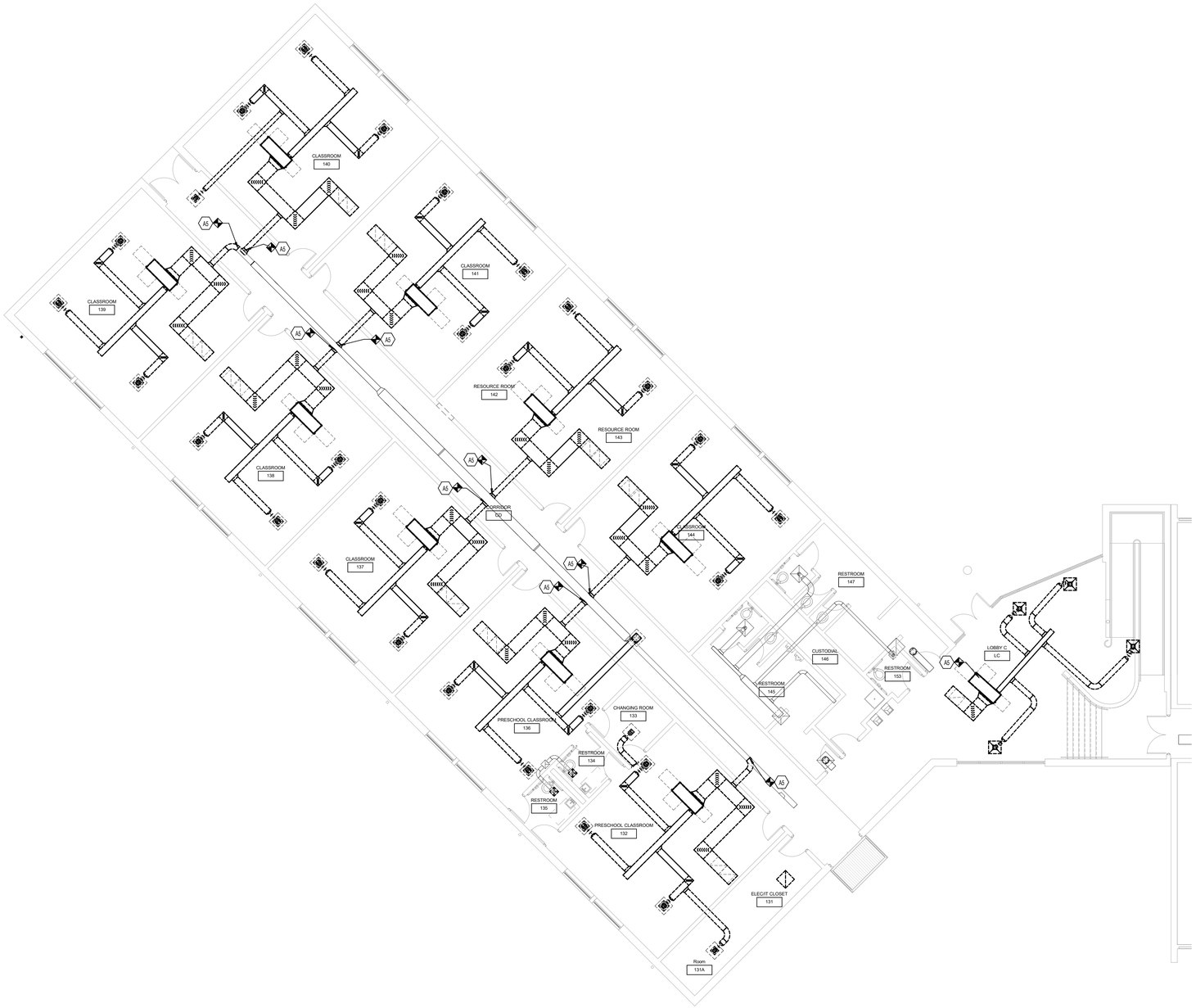
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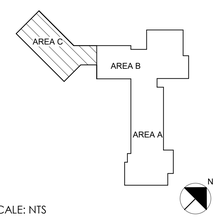


AIR DISTRIBUTION DEMO PLAN AREA C
1/8" = 1'-0"
1 / M2.2

TAGGED NOTES

A5 REMOVE EXISTING WATER SOURCE HEAT PUMP, ASSOCIATED DUCTWORK AND DIFFUSERS. REMOVE ALL ASSOCIATED CONTROLS, SUPPORTS AND ASSOCIATED APPURTENANCES.

KEY PLAN



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AIR DISTRIBUTION DEMO PLAN AREA C
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

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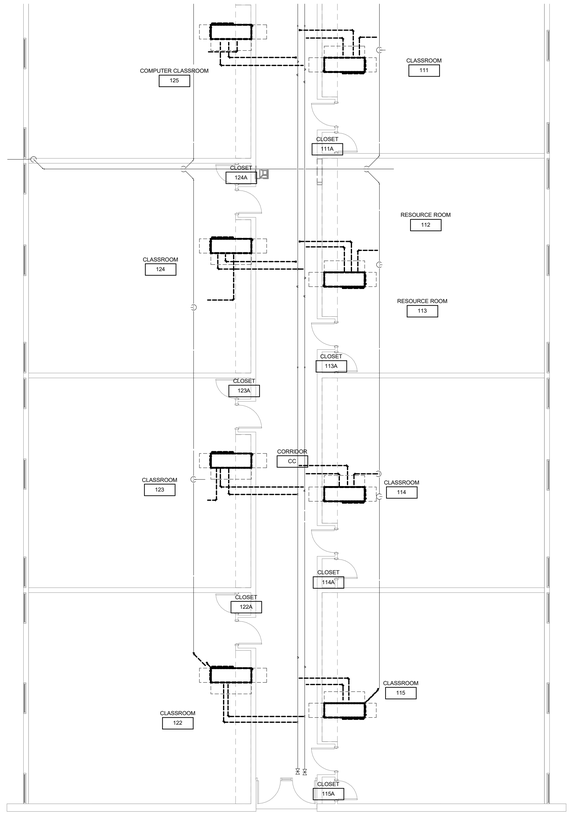
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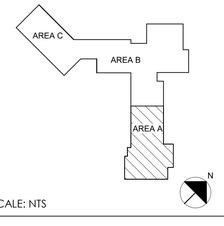
HYDRONICS DEMO PLAN AREA A
1/8" = 1'-0"

1
M3.0

TAGGED NOTES

##

KEY PLAN



SCALE: NTS

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NOT FOR CONSTRUCTION

HYDRONICS DEMO PLAN AREA A

LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION

FOR:
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LEBANON, KENTUCKY

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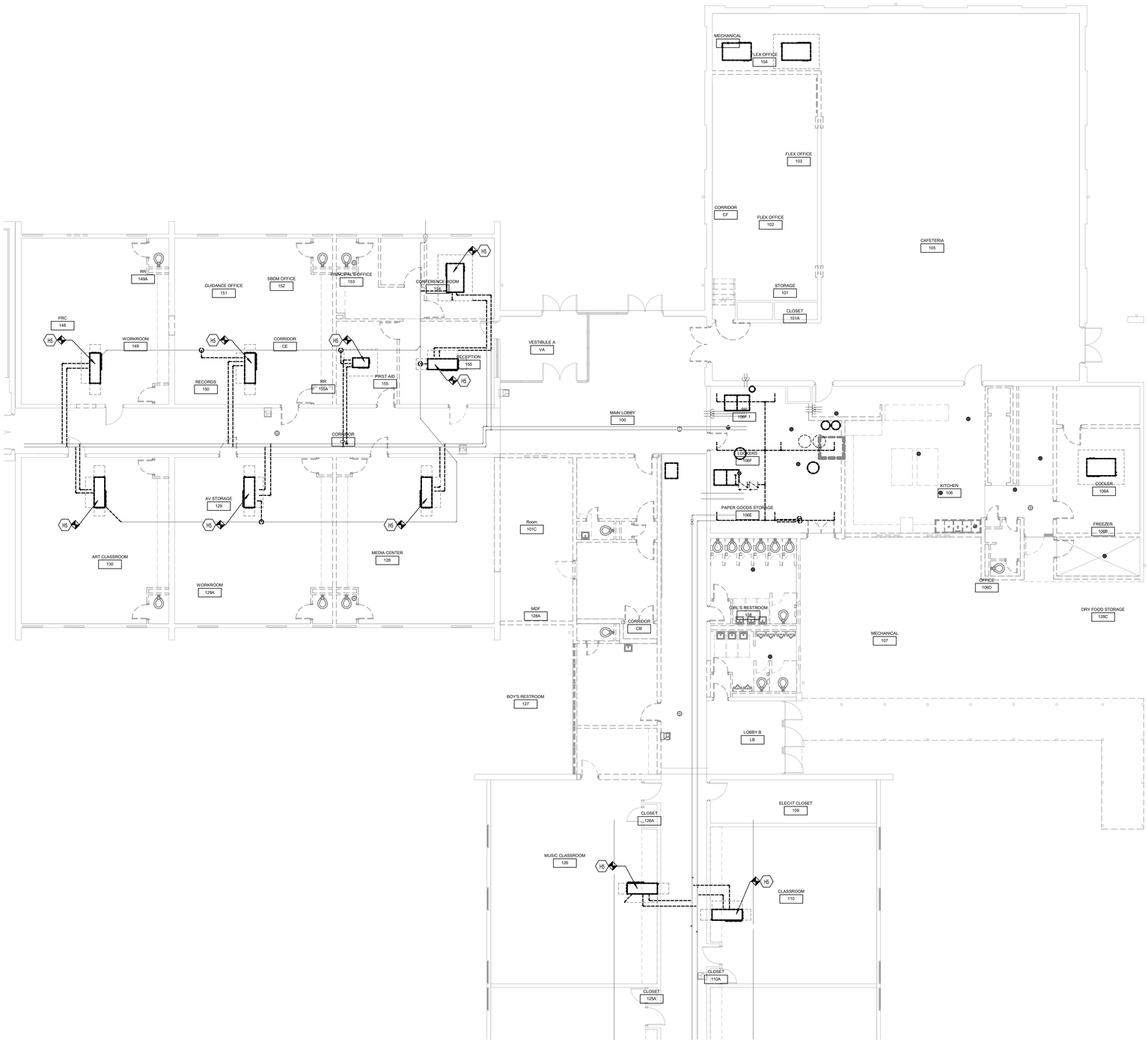
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HYDRONICS DEMO PLAN AREA A

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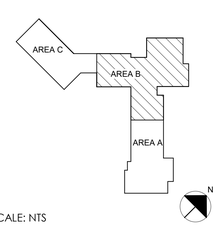
HYDRONICS DEMO PLAN AREA B
1/8" = 1'-0"
1 / M3.1

TAGGED NOTES

##

H5 DEMOLISH EXISTING HEAT PUMP SUPPLY AND RETURN PIPING BACK TO MAINS. REMOVE ALL CONNECTIONS, VALVES, CONTROLS, AND PIPING SUPPORTS, TYPICAL.

KEY PLAN



SCALE: NTS

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

NOT FOR CONSTRUCTION

HYDRONICS DEMO PLAN AREA B
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

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

BG#

Project No:	0000
Drawn By:	NSA
Rev'd By:	BDH

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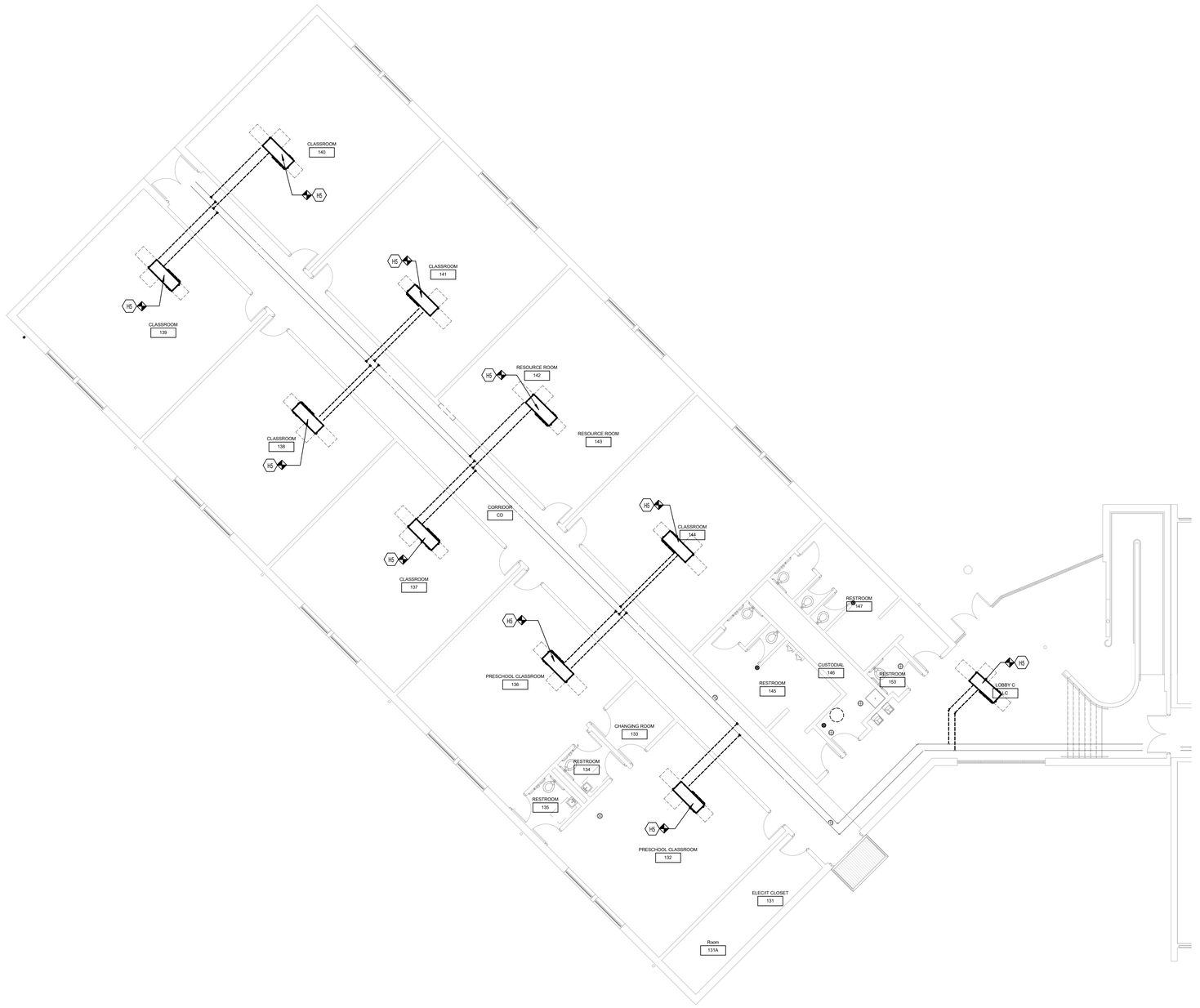
M3.1

HYDRONICS DEMO PLAN AREA B

DATE ISSUED:
5/4/22

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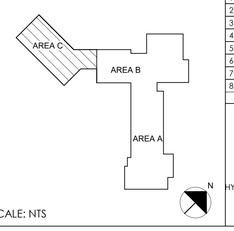


HYDRONICS DEMO PLAN AREA C
1/8" = 1'-0"
1 / M3.2

TAGGED NOTES ##

H5 DEMOLISH EXISTING HEAT PUMP SUPPLY AND RETURN PIPING BACK TO MAINS. REMOVE ALL CONNECTIONS, VALVES, CONTROLS, AND PIPING SUPPORTS, TYPICAL.

KEY PLAN



SCALE: NTS

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HYDRONICS DEMO PLAN AREA C
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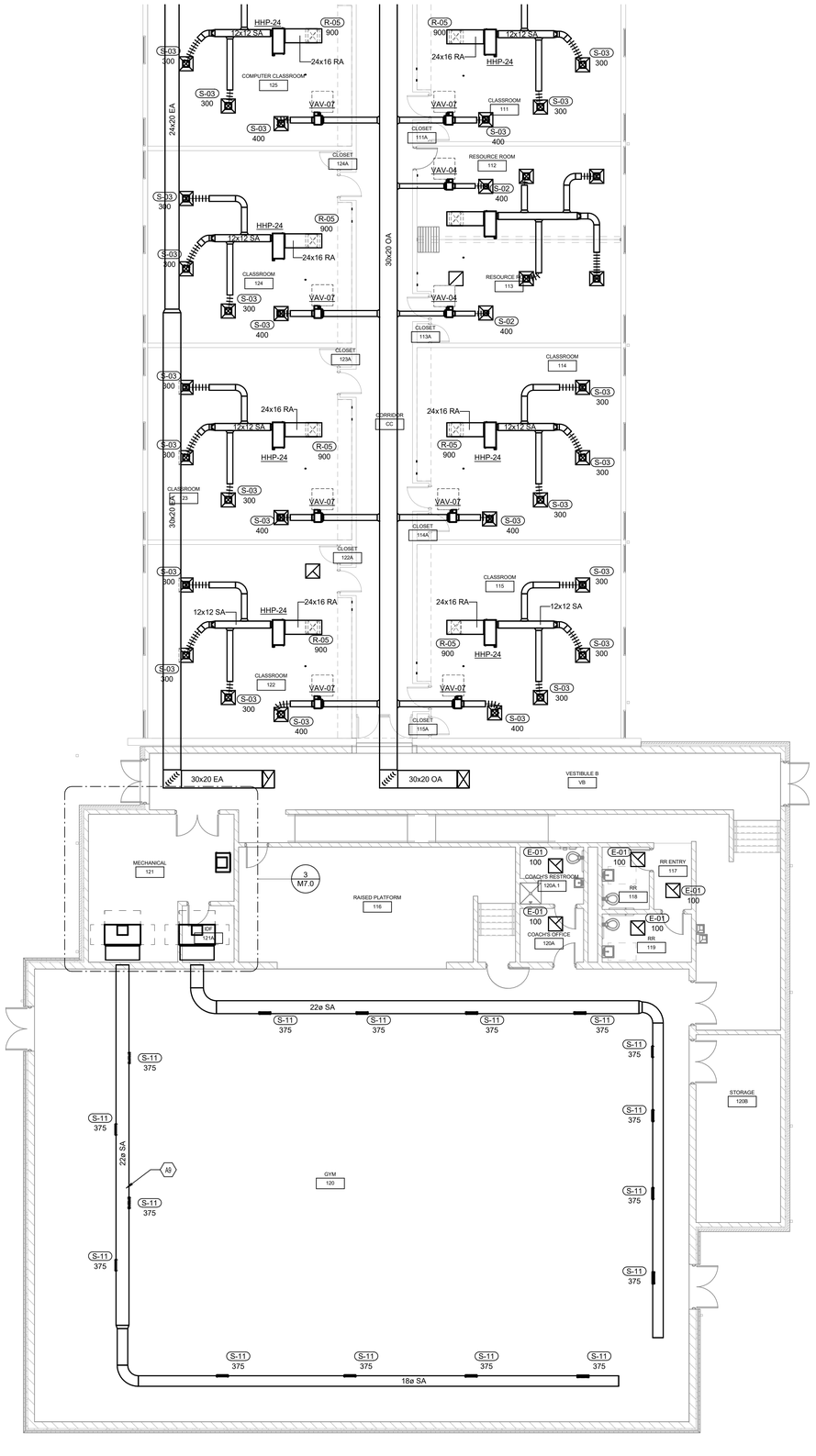
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HYDRONICS DEMO PLAN AREA C
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5/4/22

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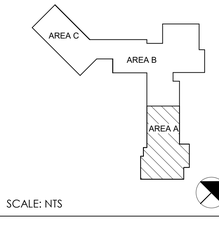
AIR DISTRIBUTION NEW WORK PLAN AREA A
1/8" = 1'-0"
1 M4.0

M R,G,D...	
MARK	DUCT BRANCH SIZE
E-01	6"Ø
L-1	
O-01	6"Ø
R-02	8"Ø
R-04	12"Ø
R-05	22"X22"
S-01	6"Ø
S-02	8"Ø
S-03	10"Ø
S-04	
S-11	18"X6"
T-1	18"X12"

TAGGED NOTES

A9 ALL DUCTWORK SHALL BE DOUBLE WALL PAINTED DUCT WORK. REFER TO ARCHITECT FOR PAINT COLOR.

KEY PLAN



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AIR DISTRIBUTION NEW WORK PLAN AREA A
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

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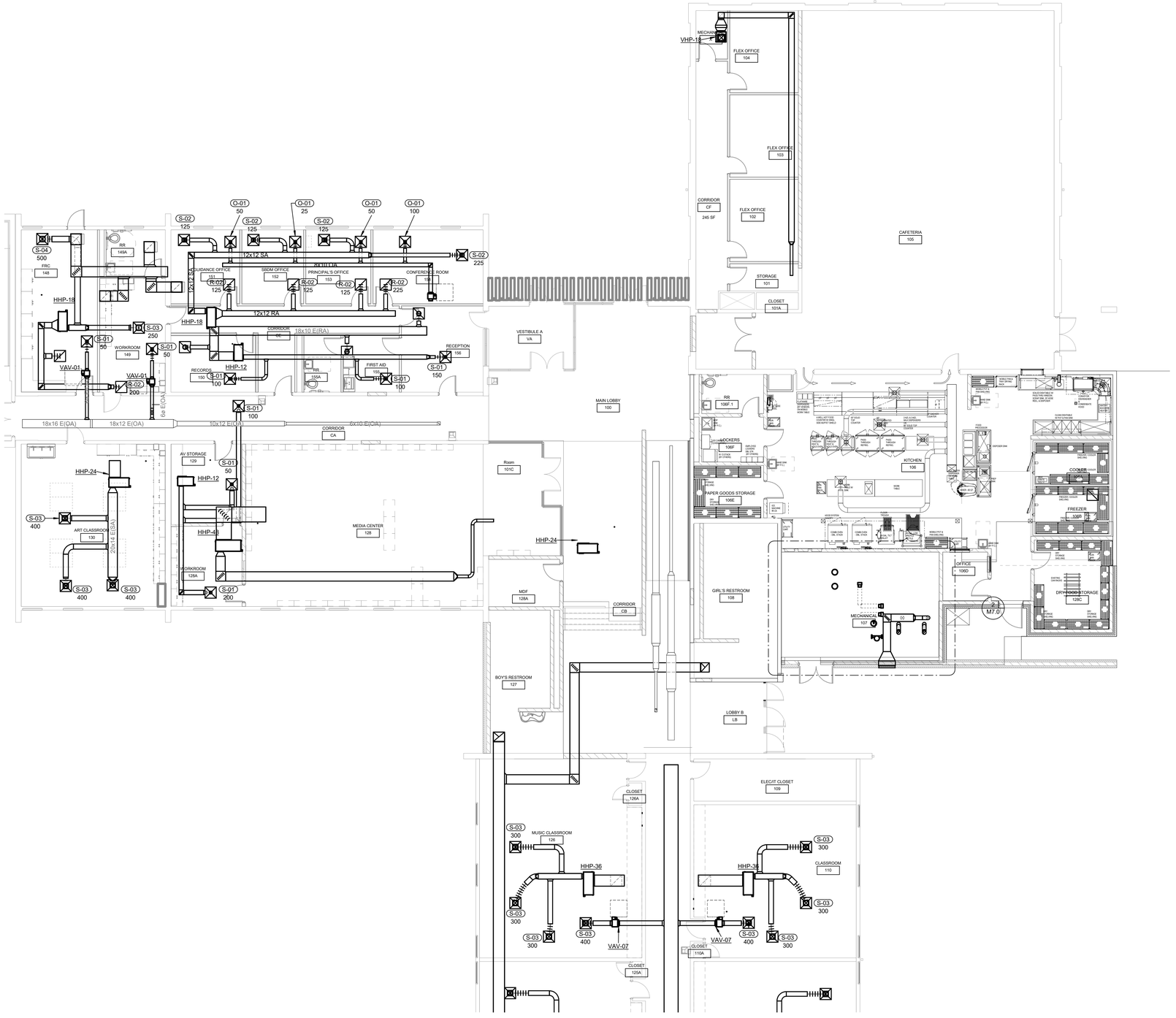
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AIR DISTRIBUTION NEW WORK PLAN AREA A
DATE ISSUED:
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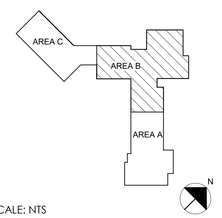
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AIR DISTRIBUTION NEW WORK PLAN AREA B
1/8" = 1'-0"
1 M4.1

TAGGED NOTES

KEY PLAN



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AIR DISTRIBUTION NEW WORK PLAN AREA B
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AIR DISTRIBUTION NEW WORK PLAN AREA B
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REVISIONS

#	DATE	DESCRIPTION

M R,G,D...

MARK	DUCT BRANCH SIZE
E-01	6"Ø
L-1	
O-01	6"Ø
R-02	8"Ø
R-04	12"Ø
R-05	22"X22"
S-01	6"Ø
S-02	8"Ø
S-03	10"Ø
S-04	
S-11	18"X6"
T-1	18"X12"



AIR DISTRIBUTION NEW WORK PLAN AREA C
1/8" = 1'-0"
1 / M4.2

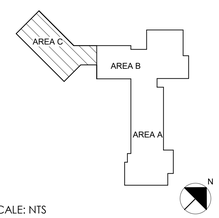
TAGGED NOTES

##

A6 CONNECT NEW DIFFUSER TO EXISTING 6"Ø EXHAUST AIR DUCTWORK.

A12 NEW 30"X20" EXHAUST AIR DUCTWORK UP TO OA-2 ON ROOF. REFER TO NEW ROOF PLAN FOR CONTINUATION.

KEY PLAN



SCALE: NTS

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AIR DISTRIBUTION NEW WORK PLAN AREA C
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FOR:
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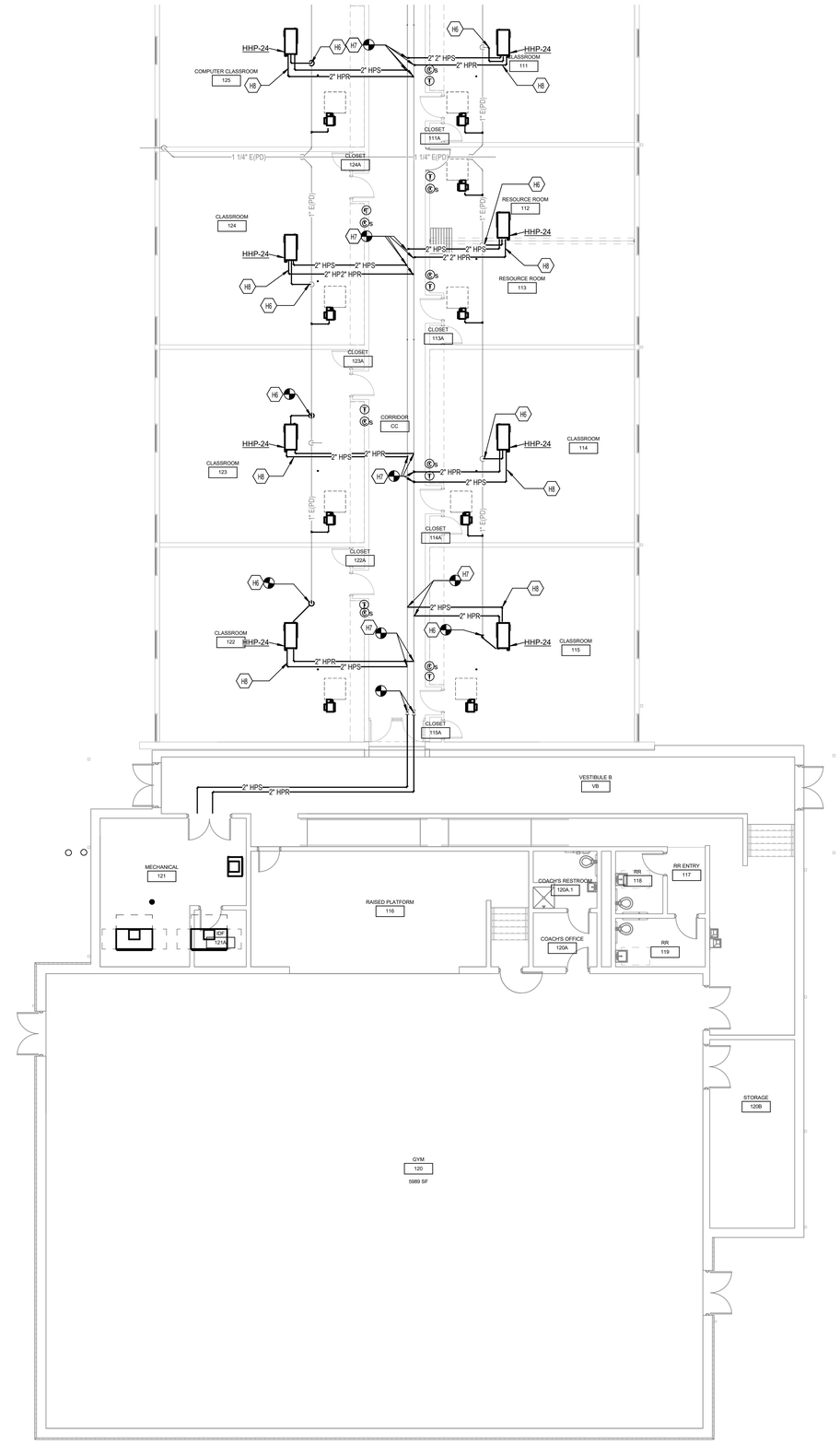
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AIR DISTRIBUTION NEW WORK PLAN AREA C
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HYDRONICS NEW WORK PLAN AREA A
1/8" = 1'-0"

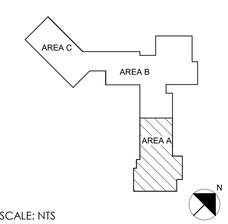
1 M5.0

TAGGED NOTES

##

- H6 CONNECT NEW CONDENSATE PIPE TO EXISTING CONDENSATE. COORDINATE EXACT LOCATION AND HEIGHT IN FIELD. TYPICAL.
- H7 NEW HEAT PUMP SUPPLY AND RETURN PIPING TO CONNECT TO EXISTING PIPING. REFER TO HEAT PUMP RUNOUT SCHEDULE FOR PIPE SIZING UNLESS OTHERWISE NOTED.
- H8 REFER TO HORIZONTAL HEAT PUMP PIPING SCHEMATIC FOR ALL REQUIRED VALVES AND ACCESSORIES. TYPICAL.

KEY PLAN



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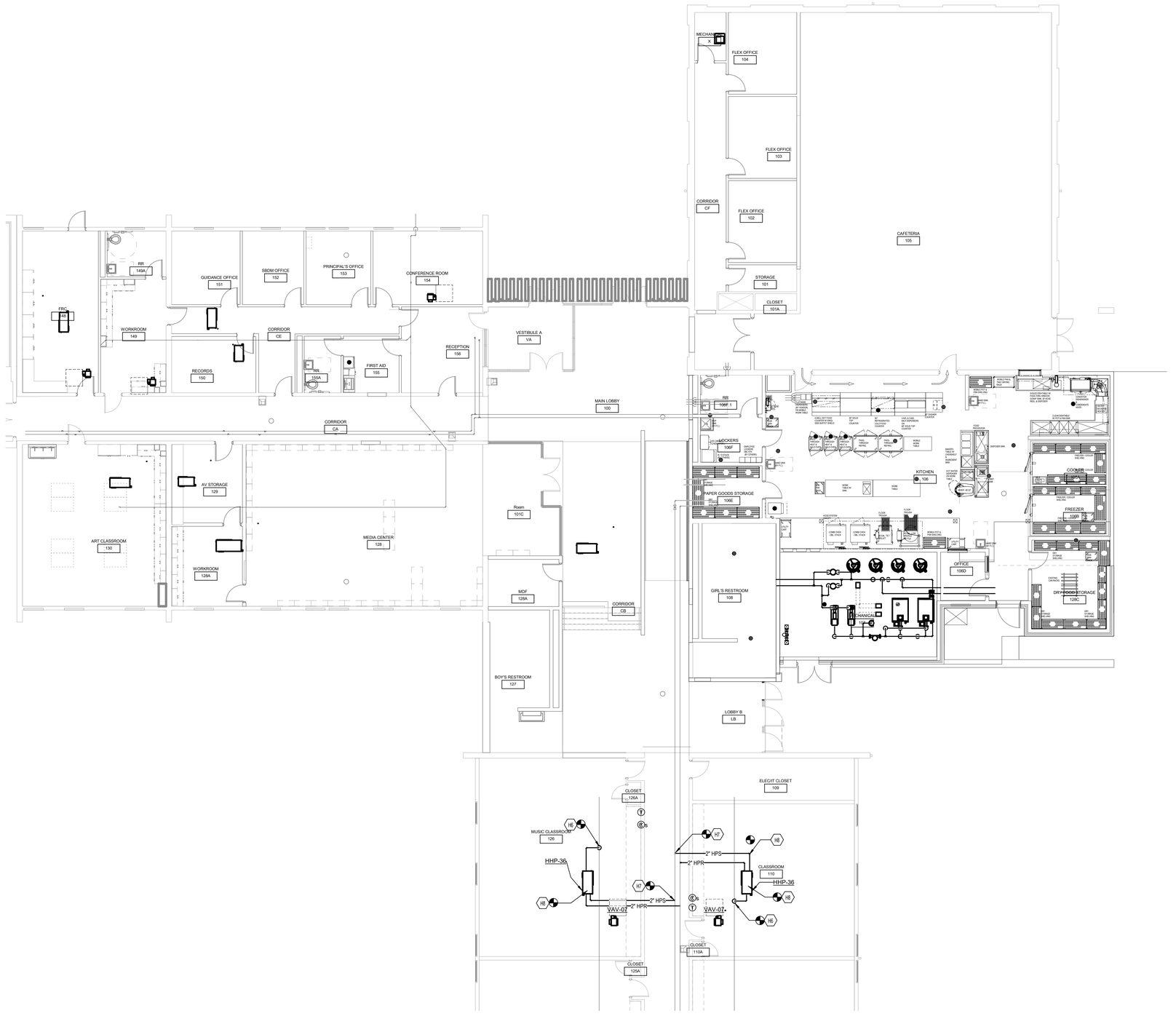
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HYDRONICS NEW WORK PLAN AREA A
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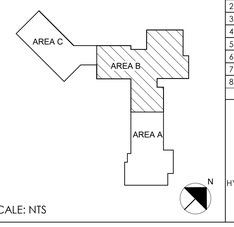


HYDRONICS NEW WORK PLAN AREA B
1/8" = 1'-0"
1 / M5.1

TAGGED NOTES

H6	CONNECT NEW CONDENSATE PIPE TO EXISTING CONDENSATE. COORDINATE EXACT LOCATION AND HEIGHT IN FIELD. TYPICAL.
H7	NEW HEAT PUMP SUPPLY AND RETURN PIPING TO CONNECT TO EXISTING PIPING. REFER TO HEAT PUMP RUNOUT SCHEDULE FOR PIPE SIZING UNLESS OTHERWISE NOTED.
H8	REFER TO HORIZONTAL HEAT PUMP PIPING SCHEMATIC FOR ALL REQUIRED VALVES AND ACCESSORIES. TYPICAL.

KEY PLAN



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HYDRONICS NEW WORK PLAN AREA B
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
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LEBANON, KENTUCKY

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HYDRONICS NEW WORK PLAN AREA B
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HYDRONICS NEW WORK PLAN AREA C
1/8" = 1'-0"

1 M5.2

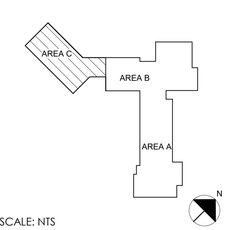
TAGGED NOTES

##

H7 NEW HEAT PUMP SUPPLY AND RETURN PIPING TO CONNECT TO EXISTING PIPING. REFER TO HEAT PUMP RUNOUT SCHEDULE FOR PIPE SIZING UNLESS OTHERWISE NOTED.

H8 REFER TO HORIZONTAL HEAT PUMP PIPING SCHEMATIC FOR ALL REQUIRED VALVES AND ACCESSORIES. TYPICAL.

KEY PLAN



SCALE: NTS

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HYDRONICS NEW WORK PLAN AREA C
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

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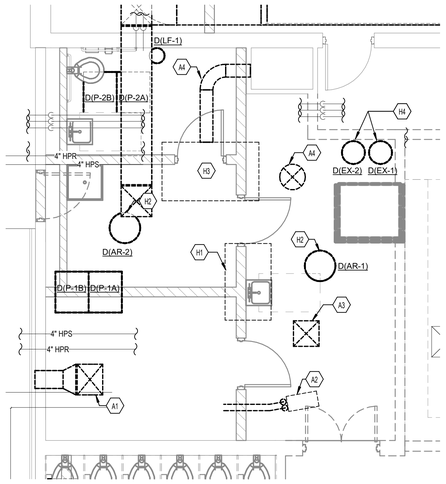
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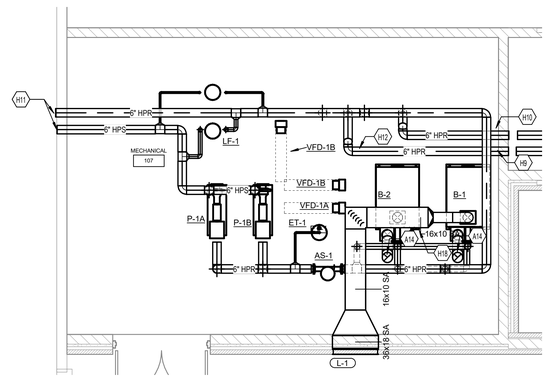
HYDRONICS NEW WORK PLAN AREA C
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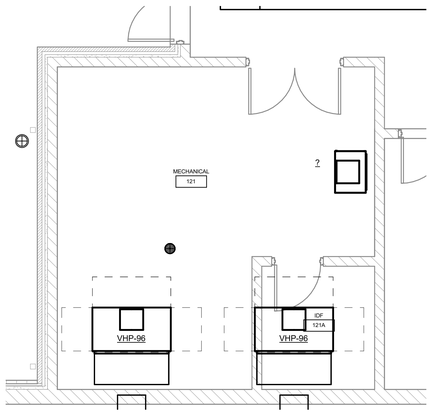
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MECHANICAL ROOM 107 DEMOLITION PLAN
1/4" = 1'-0"
1 M7.0



MECHANICAL ROOM 107 NEW WORK PLAN
1/4" = 1'-0"
2 M7.0

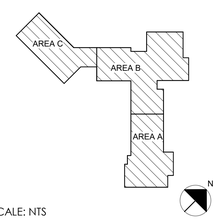


MECHANICAL ROOM 121 NEW WORK PLAN
1/4" = 1'-0"
3 M7.0

TAGGED NOTES

A1	REMOVE EXISTING GRAVITY HOOD AND ASSOCIATED DUCTWORK. PATCH AND REPAIR ROOF AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY.
A2	REMOVE EXISTING UNIT HEATER. REMOVE ALL ASSOCIATED PIPING, CONTROLS, SUPPORTS AND THERMOSTAT.
A3	REMOVE EXISTING SUPPLY FAN. ASSOCIATED SUPPLY FAN DUCTWORK AND ALL ASSOCIATED CONTROLS. PATCH AND REPAIR ROOF AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY.
A4	REMOVE EXISTING BOILER FLUE. ASSOCIATED BOILER FLUE DUCTWORK AND ALL ASSOCIATED SUPPORTS. PATCH AND REPAIR ROOF AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY.
A14	8"Ø COMBUSTION AIR EXHAUST TO BE ROUTED UP THROUGH ROOF.
H1	REMOVE EXISTING HEAT EXCHANGER. REMOVE ALL ASSOCIATED PIPING, SUPPORTS, AND CONTROLS.
H2	REMOVE EXISTING AIR SEPARATOR. REMOVE ALL ASSOCIATED PIPING, SUPPORTS, AND CONTROLS.
H3	REMOVE EXISTING BOILER. REMOVE ALL ASSOCIATED PIPING, CONNECTIONS SUPPORTS, AND CONTROLS.
H4	REMOVE EXISTING EXPANSION TANK. REMOVE ALL ASSOCIATED PIPING, CONNECTIONS SUPPORTS, AND CONTROLS.
H9	6"Ø HEAT PUMP RETURN PIPING TO FLUID COOLER. REFER TO SHEET M4.1 FOR CONTINUATION.
H10	6"Ø HEAT PUMP RETURN PIPING FROM FLUID COOLER.
H11	6"Ø HEAT PUMP SUPPLY AND RETURN OUT TO BUILDING.
H12	REFER TO PIPING SCHEMATIC ON SHEET M8.0 FOR VALVING AND PIPE SIZE REQUIREMENTS. TYPICAL.
H18	PROVIDE BOILERS WITH COMBINED ACID NEUTRALIZATION KIT.

KEY PLAN



SCALE: NTS

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

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ENLARGED MECHANICAL ROOMS
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
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LEBANON, KENTUCKY

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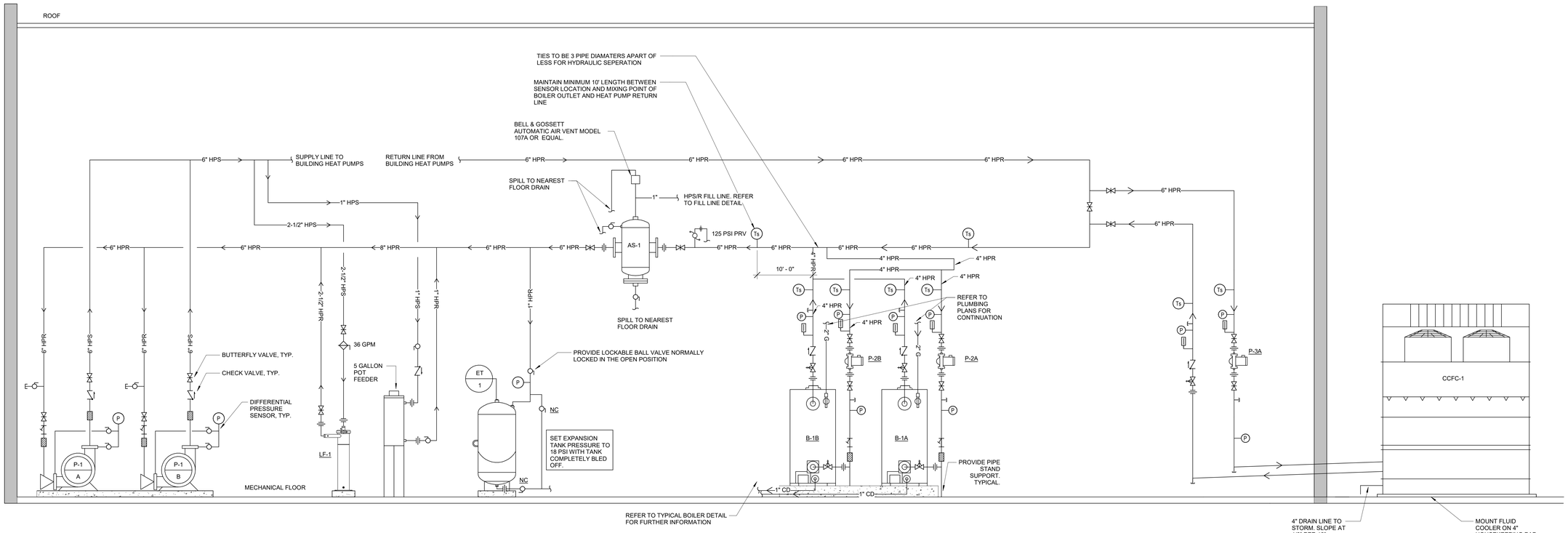
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M7.0

ENLARGED MECHANICAL ROOMS
DATE ISSUED:
5/4/22

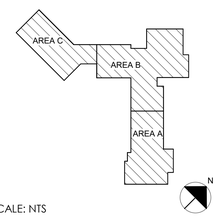
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MECHANICAL SYSTEM HYDRONIC PIPING SCHEMATIC (1 / M8.0)
NOT TO SCALE

KEY PLAN



SCALE: NTS

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PIPING SCHEMATICS
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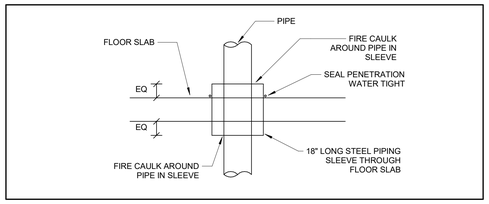
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PIPING SCHEMATICS

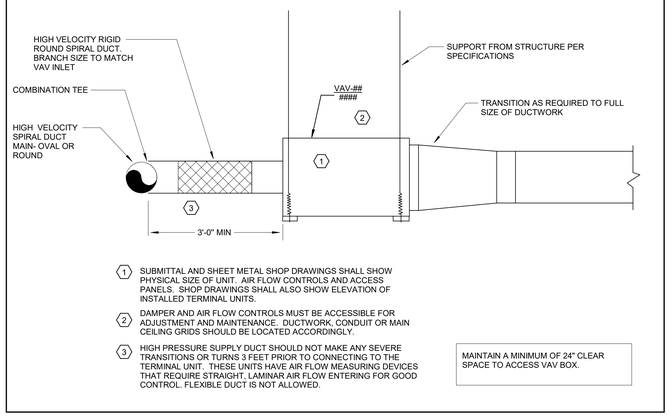
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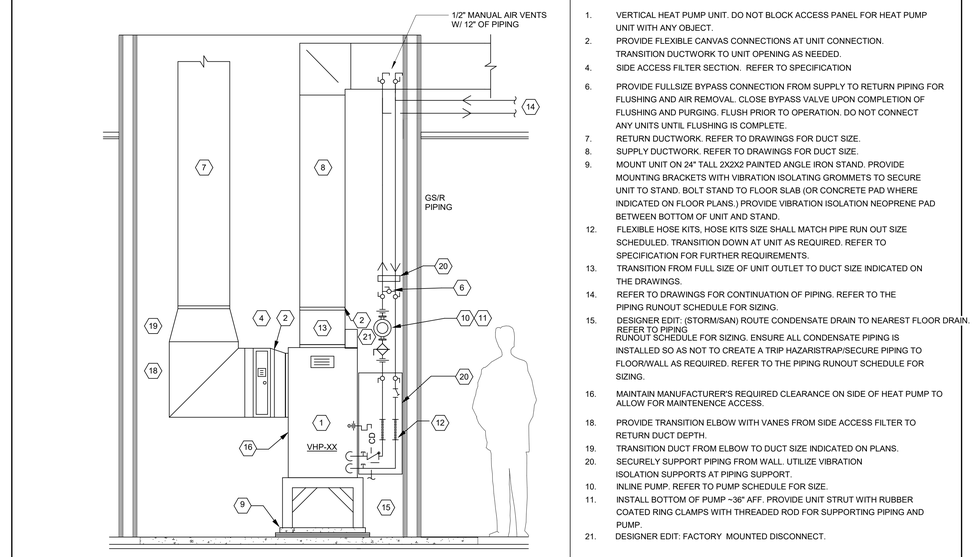
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PIPE SLEEVE THROUGH FLOOR DETAIL
NOT TO SCALE
7 M9.0



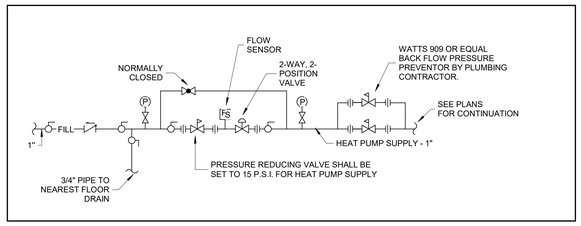
VAV BOX DETAIL
NOT TO SCALE
3 M9.0



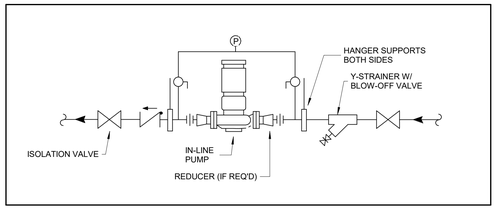
HEAT PUMP DETAIL TAG NOTES: X

1. VERTICAL HEAT PUMP UNIT. DO NOT BLOCK ACCESS PANEL FOR HEAT PUMP UNIT WITH ANY OBJECT.
2. PROVIDE FLEXIBLE CANVAS CONNECTIONS AT UNIT CONNECTION. TRANSITION DUCTWORK TO UNIT OPENING AS NEEDED.
4. SIDE ACCESS FILTER SECTION. REFER TO SPECIFICATION
6. PROVIDE FULLSIZE BYPASS CONNECTION FROM SUPPLY TO RETURN PIPING FOR FLUSHING AND AIR REMOVAL. CLOSE BYPASS VALVE UPON COMPLETION OF FLUSHING AND PURGING. FLUSH PRIOR TO OPERATION. DO NOT CONNECT ANY UNITS UNTIL FLUSHING IS COMPLETE.
7. RETURN DUCTWORK. REFER TO DRAWINGS FOR DUCT SIZE.
8. SUPPLY DUCTWORK. REFER TO DRAWINGS FOR DUCT SIZE.
9. MOUNT UNIT ON 24" TALL 2X2X2 PAINTED ANGLE IRON STAND. PROVIDE MOUNTING BRACKETS WITH VIBRATION ISOLATING GROMMETS TO SECURE UNIT TO STAND. BOLT STAND TO FLOOR SLAB (OR CONCRETE PAD WHERE INDICATED ON FLOOR PLANS.) PROVIDE VIBRATION ISOLATION NEOPRENE PAD BETWEEN BOTTOM OF UNIT AND STAND.
12. FLEXIBLE HOSE KITS, HOSE KITS SIZE SHALL MATCH PIPE RUN OUT SIZE SCHEDULED. TRANSITION DOWN AT UNIT AS REQUIRED. REFER TO SPECIFICATION FOR FURTHER REQUIREMENTS.
13. TRANSITION FROM FULL SIZE OF UNIT OUTLET TO DUCT SIZE INDICATED ON THE DRAWINGS.
14. REFER TO DRAWINGS FOR CONTINUATION OF PIPING. REFER TO THE PIPING RUNOUT SCHEDULE FOR SIZING.
15. DESIGNER EDIT: (STORM/SAN) ROUTE CONDENSATE DRAIN TO NEAREST FLOOR DRAIN. REFER TO PIPING RUNOUT SCHEDULE FOR SIZING. ENSURE ALL CONDENSATE PIPING IS INSTALLED SO AS NOT TO CREATE A TRIP HAZARDSTRAP/SECURE PIPING TO FLOOR/WALL AS REQUIRED. REFER TO THE PIPING RUNOUT SCHEDULE FOR SIZING.
16. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCE ON SIDE OF HEAT PUMP TO ALLOW FOR MAINTENENCE ACCESS.
18. PROVIDE TRANSITION ELBOW WITH VANES FROM SIDE ACCESS FILTER TO RETURN DUCT DEPTH.
19. TRANSITION DUCT FROM ELBOW TO DUCT SIZE INDICATED ON PLANS.
20. SECURELY SUPPORT PIPING FROM WALL. UTILIZE VIBRATION ISOLATION SUPPORTS AT PIPING SUPPORT.
10. INLINE PUMP. REFER TO PUMP SCHEDULE FOR SIZE.
11. INSTALL BOTTOM OF PUMP ~36" AFF. PROVIDE UNIT STRUT WITH RUBBER COATED RING CLAMPS WITH THREADED ROD FOR SUPPORTING PIPING AND PUMP.
21. DESIGNER EDIT: FACTORY MOUNTED DISCONNECT.

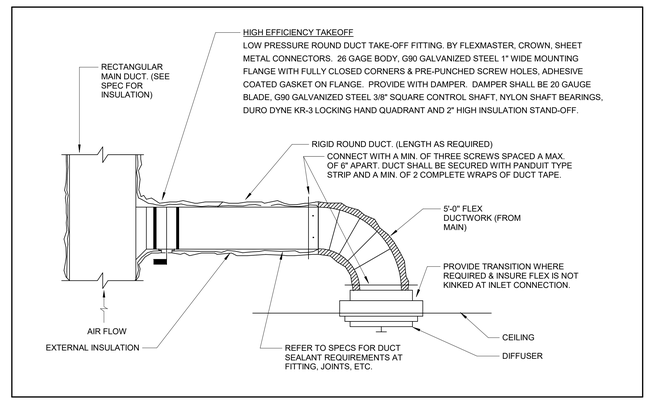
VERTICAL HEAT PUMP INSTALLATION DETAIL
NOT TO SCALE
2 M9.0



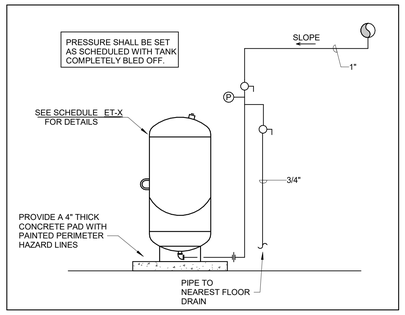
HYDRONIC FILL SYSTEM - PIPING DETAIL
NOT TO SCALE
9 M9.0



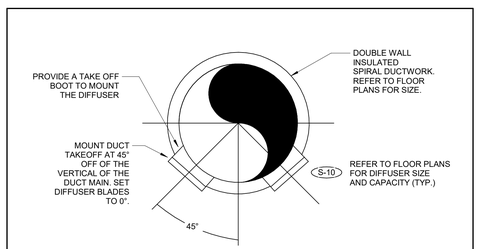
VERTICAL IN-LINE PUMP DETAIL
NOT TO SCALE
1 M9.0



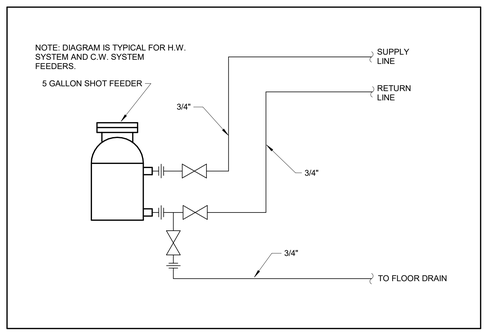
TYPICAL ROUND SUPPLY, RETURN, & EXHAUST BRANCH DUCT DETAIL
NOT TO SCALE
4 M9.0



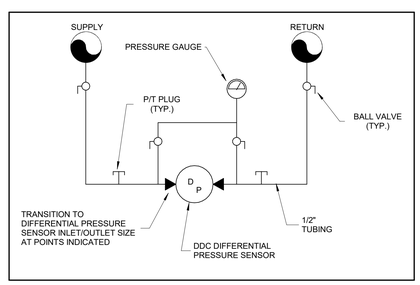
EXPANSION TANK PIPING DETAIL
NOT TO SCALE
10 M9.0



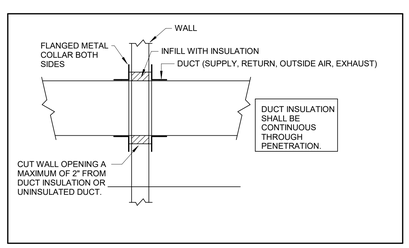
REGISTER DUCT TAKEOFF DETAIL
NOT TO SCALE
5 M9.0



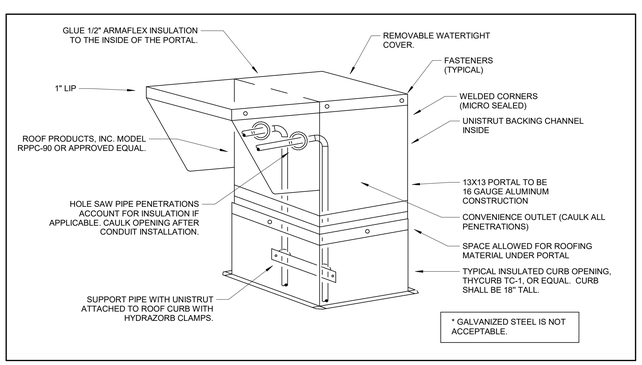
POT FEEDER PIPING DIAGRAM
NOT TO SCALE
6 M9.0



DIFFERENTIAL PRESSURE SENSOR DETAIL
NOT TO SCALE
12 M9.0

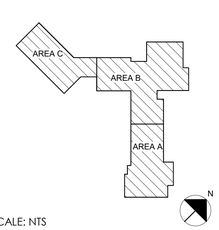


DUCT PENETRATION THROUGH NON-RATED WALL DETAIL
NOT TO SCALE
11 M9.0



PIPE ROOF CURB DETAIL
NOT TO SCALE
8 M9.0

KEY PLAN



SCALE: NTS

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

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MECHANICAL DETAILS
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FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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BG#

Project No: 0000
Drawn By: Author
Rev'd By: Checker

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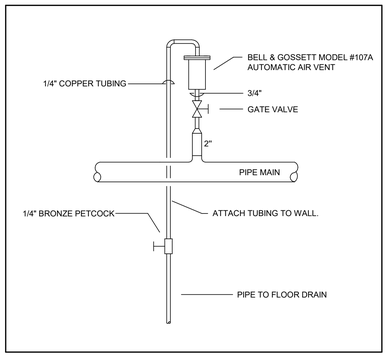
M9.0

MECHANICAL DETAILS

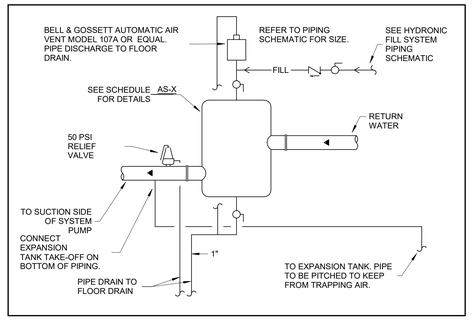
DATE ISSUED:
5/4/22

REVISIONS

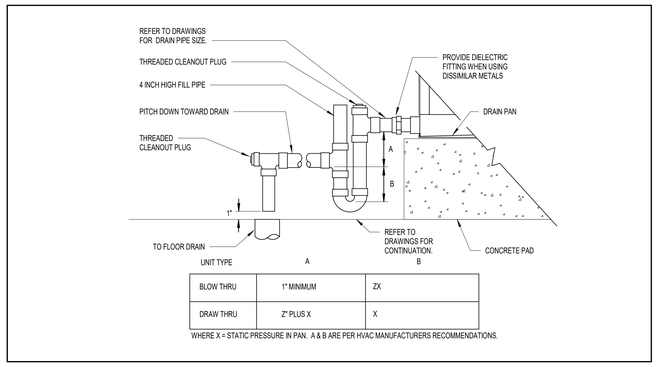
#	DATE	DESCRIPTION



AUTOMATIC AIR VENT (3 / M9.1)
NOT TO SCALE



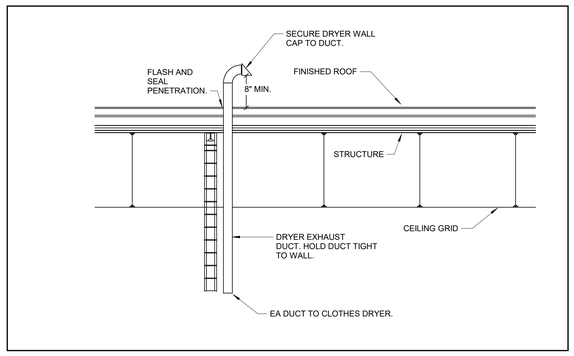
AIR SEPARATOR TANK DETAIL (2 / M9.1)
NOT TO SCALE



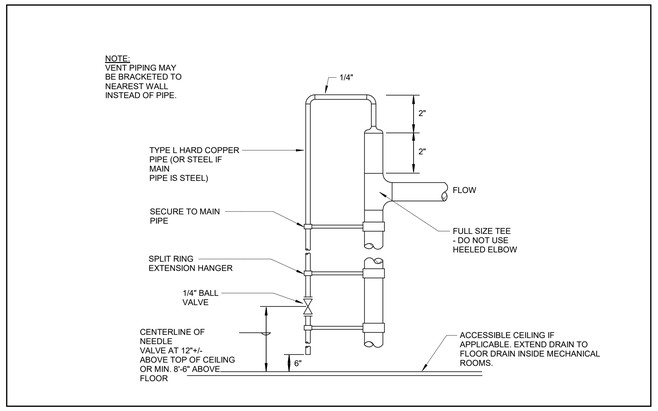
BLOW THRU	1" MINIMUM	ZX
DRAW THRU	Z" PLUS X	X

WHERE X = STATIC PRESSURE IN PAN. A & B ARE PER HVAC MANUFACTURERS RECOMMENDATIONS.

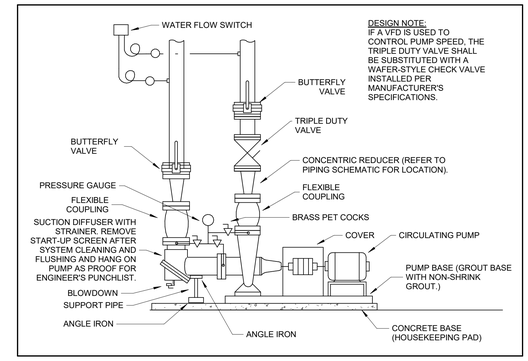
AIR HANDLING UNIT DRAIN TRAP DETAIL (1 / M9.1)
NOT TO SCALE



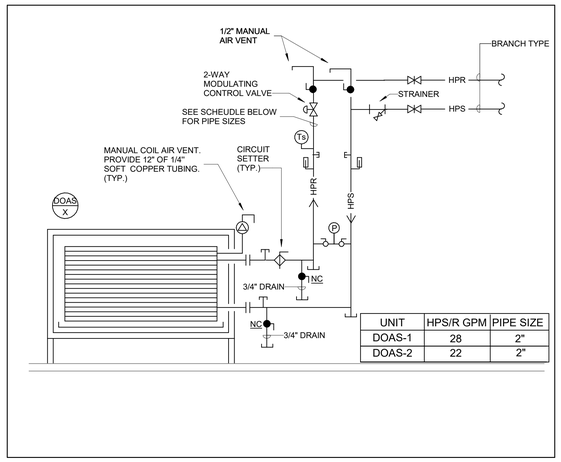
DRYER VENT SCHEMATIC (6 / M9.1)
NOT TO SCALE



MANUAL AIR VENT DETAIL - PIPES 3" AND SMALLER (5 / M9.1)
NOT TO SCALE

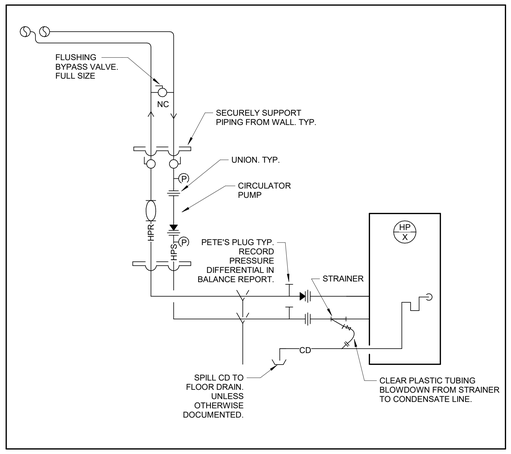


BASE MOUNTED PUMP PIPING DETAIL (4 / M9.1)
NOT TO SCALE

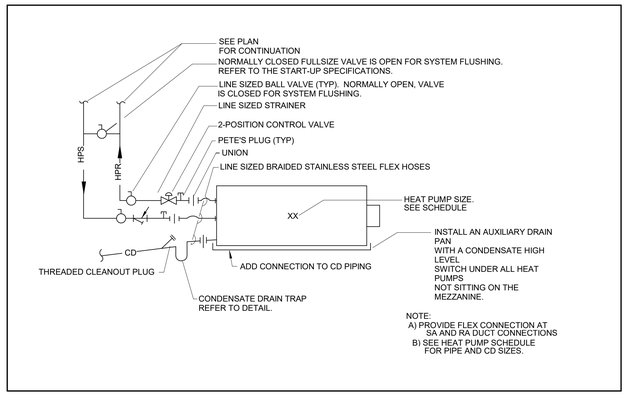


UNIT	HPS/R GPM	PIPE SIZE
DOAS-1	28	2"
DOAS-2	22	2"

DOAS HWS/R PIPING SCHEMATIC (9 / M9.1)
NOT TO SCALE

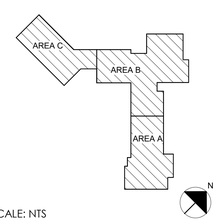


VERTICAL HEAT PUMP PIPING SCHEMATIC (8 / M9.1)
NOT TO SCALE



HORIZONTAL HEAT PUMP PIPING SCHEMATIC (7 / M9.1)
NOT TO SCALE

KEY PLAN



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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

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MECHANICAL DETAILS

DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION

EXPANSION TANK SCHEDULE

MARK	MANUFACTURER	MODEL #	TYPE	SERVICE	PHYSICAL SIZE (IN)			CAPACITY			REMARKS
					LENGTH	WIDTH	HEIGHT	TANK VOLUME (GALS)	ACCEPTANCE VOLUME (GALS)	AIR CHARGE PRESSURE	
ET-1	BELL AND GOSSETT	B50	BLADDER	HEAT PUMP LOOP	14	14	24	13.0	5.80	12.00	NONE

AIR SEPARATOR SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	MOUNTING	INLET PIPE SIZE	OUTLET PIPE SIZE	WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT HD)	REMARKS
AS-1	BELL AND GOSSETT	CRSN-5F	HEAT PUMP LOOP	CEILING	5	5	360	1.83	NONE

BOILER SCHEDULE

MARK	MANUFACTURER	MODEL #	TYPE	FUEL	EWT (°F)	LWT (°F)	WATER FLOW (GPM)	INPUT (MBH)	GROSS OUTPUT (MBH)	MIN GAS INLET PRESSURE (IN WC)	WATER PRESSURE DROP (FT HD)	VOLTAGE	PHASE	FLA	HZ	REMARKS
B-1	FULTON	EDR-2000	CONDENSING	NATURAL GAS	100	140	94	2000.0	1874.0	4.00	0.99	120 V	1	20 A	60	ALL
B-2	FULTON	EDR-2000	CONDENSING	NATURAL GAS	100	140	94	2000.0	1874.0	4.00	0.99	120 V	1	20 A	60	ALL

REMARKS:
1. PROVIDE WITH SINGLE POINT POWER CONNECTION.
2. PROVIDE WITH pH NEUTRALIZATION KIT.
3. PROVIDE WITH PURE CONTROL CAPABILITIES.

VAV BOX SCHEDULE

MARK	MANUFACTURER	MODEL #	BOX TYPE	DIMENSIONS (IN)			DUCT CONNECTIONS		INLET STATIC PRESS. @ MAX CFM (" WG)	MAX RADIATED NC	MAX. CFM	MIN. CFM	PRESSURE INDEPENDENT CONTROLS	LEAKAGE RATE @ 2.0"	REMARKS
				LENGTH	WIDTH	HEIGHT	INLET SIZE	OUTLET SIZE							
VAV-01															
VAV-04	PRICE	SDV	SINGLE	20	12	8	8	8	0.14	20	400	0	Yes	2	ALL
VAV-07	PRICE	SDV	SINGLE	20	12	10	10	10	0.10	20	700	0	Yes	2	ALL

REMARKS:
1. PROVIDE DUAL WALL BOX WITH 1" INTEGRAL INSULATION.
2. CFM READINGS TO BE +/- 5% ACCURACY.

CLOSED CIRCUIT COOLER SCHEDULE

MARK	MANUFACTURER	MODEL #	DIMENSIONS (IN)			WEIGHT (LBS)	CAPACITY (MBH)	FLOW RATE (GPM)	MAX. P.D. (PSI)	EWT (°F)	LWT (°F)	AMBIENT WB TEMP	ELECTRICAL DATA									SOUND POWER						REMARKS
			LENGTH	WIDTH	HEIGHT								PUMP HP	FAN HP	PUMP/FAN VOLTAGE	PUMP/ FAN PHASE	PUMP/FAN MOCP	PUMP/FAN MCA	HEATER KW	HEATER VOLTAGE	HEATER PHASE	SPL DBA	END	MTR. SIDE	END	OPP. MOTOR SIDE	TOP	
CCFC-1	BAC	FXV-0812B-12 D-N	162	102	188	15405	1800.0	360	5.20	95	85	78	5	25	208 V	3			12 W	208 V	3	99	72	76	69	70	81	
CCFC-1	BAC	FXV-0812B-12 D-N	162	102	188	15405	1800.0	360	5.20	95	85			25		3			12 W			99	72	76	69	70	81	

VARIABLE FREQUENCY DRIVE SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	MOTOR HP	ELECTRICAL			FUSED AND DISCONNECT	BYPASS STARTER	REDUNDANDT DRIVE	REMARKS
					VOLTAGE	PHASE	HZ				
VFD-1A	ABB	ACH550	P-1A	10	208 V	3	60	YES	NO	NO	NONE
VFD-1B	ABB	ACH550	P-1B	10	208 V	3	60	YES	NO	NO	NONE

LOOP FILTER SCHEDULE

MARK	MANUFACTURER	MODEL #	FILTER	GPM	P.D. (PSI)	DIAMETER (IN)	HEIGHT (IN)	REMARKS
LF-1	HARMSCO	WB90SC-2	HC/90-50	36	1.25	16	16	NONE

WATER SOURCE HEAT PUMP SCHEDULE

MARK	MANUFACTURER	MODEL #	TYPE	NOM. CFM.	ESP (IN WG.)	GPM	WATER PD (FT. H20)	BLOWER MOTOR HP	COMPRESSORS	STAGES	WEIGHT (LB)	DIMENSIONS (IN)			ELECTRICAL					HEATING				COOLING					CONDENSATE PIPE SIZE	GS/GR PIPE SIZE	REMARKS
												LENGTH	WIDTH	HEIGHT	VOLTAGE	HZ	PHASE	MCA	MOCP	HEATING CAPACITY (BTU/HR)	EAT (DB) (°F)	EWT (°F)	HEAT OF ABSORPTION (BTU/HR)	COP @ ARI (FULL/PARTIAL)	SENSIBLE CAPACITY (BTU/HR)	TOTAL CAPACITY (BTU/HR)	EAT (DB)	EAT (WB)	EWT (°F)	HEAT OF REJECTION	EER @ ARI (FULL/PARTIAL)			
HHP-12	DAIKIN	WGCH012	HORIZONTAL	350	0.30	3	5.12	0.1	1	1	104	34	19	12	208 V	60	1	8 A	15	14415.0	68	65	10909.0	4.1	9261.0	10126.0	75	63	85	12962.0	12.2	3/4"	3/4"	
HHP-18	DAIKIN	WGCH019	HORIZONTAL	750	0.30	5	9.91	0.33	1	1	150	42	19	17	208 V	60	1	11 A	15	21811.0	68	65	17925.0	5.6	12703.0	16719.0	75	63	85	20706.0	14.3	3/4"	1"	
HHP-24	DAIKIN	WGDH024	HORIZONTAL	900	0.30	6	9.78	0.33	1	2	182	43	20	17	208 V	60	3	11 A	15	28303.0	68	65	22277.0	4.7	17160.0	23002.0	75	63	85	28716.0	13.7	1"	1-1/4"	
HHP-36	DAIKIN	WGDH036	HORIZONTAL	1350	0.30	9	13.96	0.5	1	2	218	49	21	19	208 V	60	3	19 A	30	42060.0	68	65	32779.0	4.5	26797.0	34270.0	75	63	85	42876.0	13.6	1"	1-1/4"	
HHP-48	DAIKIN	WGDH048	HORIZONTAL	1800	0.30	12	10.32	0.75	1	2	296	54	24	21	208 V	60	3	23 A	35	58449.0	68	65	43356.0	3.9	35857.0	45138.0	75	63	85	57003.0	13	1"	1-1/2"	
VHP-18	DAIKIN	WGTV019	VERTICAL	750	0.30	5	9.91	0.33	1	1	231	26	23	48	208 V	60	1	11 A	15	21811.0	68	65	17925.0	5.6	12703.0	16719.0	75	63	85	20706.0	14.3	3/4"	1"	
VHP-96	DAIKIN	WLVC1096	VERTICAL	3000	0.94	24	22.18	1.5	2	2	588	28	55	56	208 V	60	3	36 A	45	102817.0	68	65	81153.0	4.7	59725.0	81623.0	75	63	85	103989.0	12.46	1-1/4"	2"	

REMARKS:
1. PROVIDE ALL HEAT PUMPS WITH NEC COMPLIANT DISCONNECT MEANS.
2. PROVIDE WITH HOSE KITS.

REGISTERS, GRILLES, AND DIFFUSERS

MARK	MANUFACTURER	MODEL #	TYPE	GRILLE SIZE	PANEL SIZE	DUCT INLET SIZE	DUCT BRANCH SIZE	MAX CFM	P.D.	NOISE CRITERIA	THROW PATTERN	REMARKS
E-01	TITUS	50F	ALUMINUM EGGCRATE GRILLE	22"X22"	24"X24"	6"Ø	6"Ø	100	0.05	25	-	1,2
O-01	TITUS	TMS-AA	HIGH PERFORMANCE THREE CONE DIFFUSER	22"X22"	24"X24"	6"Ø	6"Ø	100	0.05	25	4-WAY	1,2
R-02	TITUS	50F	ALUMINUM EGGCRATE GRILLE	22"X22"	24"X24"	8"Ø	8"Ø	225	0.05	25	-	1,2
R-04	TITUS	50F	ALUMINUM EGGCRATE GRILLE	22"X22"	24"X24"	12"Ø	12"Ø	500	0.10	25	-	1,2
R-05	TITUS	50F	ALUMINUM EGGCRATE GRILLE	22"X22"	24"X24"	22"X22"	SEE PLANS	2500	0.10	25		1,2
S-01	TITUS	TMS-AA	HIGH PERFORMANCE THREE CONE DIFFUSER	22"X22"	24"X24"	6"Ø	6"Ø	100	0.05	25	4-WAY	1,2
S-02	TITUS	TMS-AA	HIGH PERFORMANCE THREE CONE DIFFUSER	22"X22"	24"X24"	8"Ø	8"Ø	225	0.05	25	4-WAY	1,2
S-03	TITUS	TMS-AA	HIGH PERFORMANCE THREE CONE DIFFUSER	22"X22"	24"X24"	10"Ø	10"Ø	400	0.06	25	4-WAY	1,2
S-04												
S-11	TITUS	DL	DRUM LOUVER	18"X6"	18"X6"	18"X6"	18"X6"	400	0.26	20	30 DEGREES	1,2,3
Z-1	TITUS	50F	ALUMINUM EGGCRATE GRILLE	22"X22"	24"X24"	18"X12"	18"X12"	1000	0.04	25	-	1,2

REMARKS:
1. COLOR TO BE SELECTED BY THE ARCHITECT.
2. COORDINATE MOUNTING TYPE (LAY-IN, GYP BOARD, ETC.) WITH ARCHITECTURAL CEILING PLANS.
3. DIFFUSER TO BE DUCT MOUNTED AND PAINTED TO MATCH DUCTWORK.

HYDRONIC PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	SERVICE	GPM	PRESSURE (FEET HEAD)	IMPELLER DIAMETER (IN)	VFD	MINIMUM EFFICIENCY (%)	RPM	ELECTRICAL DATA					1" HIGH STAINLESS STEEL DRAIN PAN	TRIPLE DUTY VALVE	SUCTION DIFFUSER	REMARKS
											HZ	HP	BRAKE HP	VOLTAGE	PHASE				
P-1A	BELL & GOSSETT	E-1510 3BD	BASE MOUNTED	HPS/HPR	400	55.00	8' - 6"	Yes	81.7	1646	60	10	7	208 V	3	Yes	No	YES	ALL
P-1B	BELL & GOSSETT	E-1510 3BD	BASE MOUNTED	HPS/HPR	400	55.00	8' - 6"	Yes	81.7	1646	60	10	7	208 V	3	Yes	No	YES	ALL

REMARKS:
1. PROVIDE WITH NEC COMPLIANT DISCONNECT MEANS AND SINGLE POINT POWER CONNECTION.
2. PROVIDE WITH SHAFT GROUNDING RINGS.
3. PROVIDE SUCTION DIFFUSER WITH STRAINER.

OUTSIDE AIR UNIT SCHEDULE (PART 1)

G MARK	MANUFACTURER	MODEL	LOCATION	AIRFLOW CONDITIONS				SUPPLY FAN							EXHAUST FAN						DX COIL					DX COIL (WSHP-HEATING MODE)				
				SA (CFM)	SA ESP ("WC)	RA CFM	RA ESP ("WC)	MAX CFM	# OF FANS	T.S.P (IN WG)	RPM	HP	VOLT.	PH.	VFD	OP. FREQ.	MAX CFM	# OF FANS	T.S.P (IN WG)	RPM	HP	VFD	CFM	TOTAL COOLING CAP. (MBH)	SENSIBLE COOLING CAP. (MBH)	EAT (DB/WB) (°F)	LAT (DB/WB) (°F)	TON	CFM	EAT (DB)(°F)	LAT (DB)(°F)	GPM	TOTAL HEATING CAP. (MBH)
OA-1	ADDISON	PRRW210	GYM ROOF	5000	1.5	4500	1.5	5000	1	3.33	2175	5	208 V	3	Yes	60	4500	1	2.78	1973	5	Yes	5000	218.6	135.8	82.2/69.5	55.7/55.2	18	5000	38.7	85.7	60	254
OA-2	ADDISON	PRRW180	AREA C ROOF	4000	1.5	3600	1.5	4000	1	3.08	1912	5	208 V	3	Yes	60	3600	1	2.77	2208	3	Yes	4000	198.1	118.1	82.3/69.6	53.9/53.3	16.5	4000	38.3	89.2	45	220.0

OUTSIDE AIR UNIT SCHEDULE (PART 2)

G MARK	MANUFACTURER	MODEL	LOCATION	ENTHALPY WHEEL					WATER SOURCE HEAT PUMP								PRE-FILTERS (SA AND EA)	EST. ELECTRICAL DATA				REMARKS
				QTY	LAT SUMMER (DB/WB)(°F)	LAT WINTER (DB/WB)(°F)	HP	FROST CONTROL	QTY	TON/UNIT	GLYCOL	EWT/LWT COOLING MODE (°F)	EWT/LWT HEATING MODE (°F)	GPM	(QTY) FLUID CONNECTION DIA.	# COMP	TYPE OF COMPRESSOR		VOLTAGE	FLA	MCA	MOP	
OA-1	ADDISON	PRRW210	GYM ROOF	1	82.2/69.5	38.7/36.6	0.5	VFD	1	210	0	85/95	65/56.5	45	1	1	SCROLL	2" MERV 8	208	85.6	92.5	110	ALL
OA-2	ADDISON	PRRW180	AREA C ROOF	1	82.3/69.6	38.3/36.2	0.5	VFD	1	180	0	85/95	65/56.56	45	1	1	SCROLL	2" MERV 8	208	74.9	81.2	100	ALL

REMARKS:
1. PROVIDE WITH 14" ROOF CURB.
2. ONE VFD PROVIDED WITH EACH FAN.
3. WINTER LAT IS BASED ON FROST CONTROL BY VFD.
4. CALCULATIONS DONE WITH A SUMMER EAT OF 95/78 AND A WINTER EAT OF 0/0.
5. FANS TO BE DIRECT DRIVE.

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NOT FOR CONSTRUCTION

MECHANICAL SCHEDULES
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Project No: 0000
Drawn By: Author
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SHEET RELEASE

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Project Status

M10.0

MECHANICAL SCHEDULES

DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION

DESCRIPTION	MOUNTING HEIGHT	SYMBOL
LIGHTING CONTROLS		
LIGHT SWITCH: LOW VOLTAGE (WHEN PRESENT, # INDICATES QUANTITY OF CHANNELS)	46"	$ #
EXAM LIGHT SWITCH	46"	$ X
NIGHT LIGHT SWITCH WITH CONSTANTLY ILLUMINATED HANDLE	46"	$ N
SURGICAL LIGHT INTENSITY CONTROL	46"	$ SL
LOW VOLTAGE DIMMER SWITCH (WHEN PRESENT, # INDICATES QUANTITY OF CHANNELS)	46"	$ D#
GRAPHIC TOUCHSCREEN CONTROL STATION	46"	$ G
LINE VOLTAGE SWITCH	46"	$ LV
LINE VOLTAGE THREE-WAY, FOUR-WAY SWITCH	46"	$ LV3 $ LV4
LINE VOLTAGE THREE-WAY, FOUR-WAY DIMMER SWITCH	46"	$ LV3D $ LV4D
KEYED SWITCH	46"	$ K
OCCUPANCY OR VACANCY SENSOR SWITCH	46"	$ OS $ VS
OCCUPANCY OR VACANCY SENSOR SWITCH WITH DIMMING	46"	$ DOS
LIGHT SWITCH FOR UNDER-CABINET LIGHTS	46"	$ U
ILLUMINATED HANDLE LIGHT SWITCH (ILLUMINATED WHEN LOAD IS OFF)	46"	$ IL
PILOT LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)	46"	$ PL
TIMER SWITCH	46"	$ T
OCCUPANCY OR VACANCY SENSOR, CEILING MOUNT	CLG	OS VS
OCCUPANCY SENSOR, CORNER MOUNT	CLG	OS
DAYLIGHT SENSOR	AS NOTED	DS
PHOTOCELL	AS NOTED	PC
LIGHTING RELAY	AS NOTED	LR
EMERGENCY AUTOMATIC TRANSFER SWITCH FOR LIGHTING CONTROLS (REFER TO DETAIL)	CLG	ER
POWER OUTLETS		
SIMPLEX RECEPTACLE (TEXT INDICATES NEMA TYPE)	1'-6"	1
DUPLEX RECEPTACLE	1'-6"	
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE BACKSPLASH		
'G' INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI)	1'-6"	G
DEAD FRONT GFCI DEVICE, LABEL AND INSTALL IN READILY ACCESSIBLE LOCATION		G
DUPLEX RECEPTACLE WITH TWO INTEGRAL USB CHARGING PORTS	1'-6"	U
USB CHARGING OUTLET WITH FOUR INTEGRAL USB PORTS	1'-6"	U
GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTING CIRCUIT IS 277V)	46"	D/S
DUPLEX RECEPTACLE, CEILING MOUNTED	CLG	
QUADRUPLEX RECEPTACLE	1'-6"	
JUNCTION BOX, CEILING OR WALL		J
VOLTAGE/2 POLE RECEPTACLE, TEXT INDICATES NEMA TYPE	1'-6"	
VOLTAGE/3 POLE RECEPTACLE, TEXT INDICATES NEMA TYPE	1'-6"	
'T' INDICATES SAFETY TYPE, TAMPER RESISTANT OUTLET(S)		T
SS INDICATES SURGE SUPPRESION TYPE OUTLET(S)		SS
GROUND FAULT PROTECTED DUPLEX WITH WEATHER-PROOF "WHILE IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET - SEE SPECIFICATIONS	2'-2"	WP
DUPLEX FOR ELECTRIC WATER COOLER: COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET BEHIND COOLER, PROVIDE READILY ACCESSIBLE GFI DEVICE AT 18" ADJACENT TO WATER COOLER		EWC
BOX ON ANY DEVICE INDICATES SURFACE MOUNTED BACKBOX/WIREMOLD		
CIRCLE ON ANY DEVICE INDICATES DEVICE FED FROM STUB UP CONDUIT		
FIRE ALARM		
MAIN CONTROL PANEL CENTRAL PROCESSING UNIT (CPU)	6'-6" TO TOP	FACP
REMOTE L.C.D. FIRE ALARM ANNUNCIATOR	54"	FAA
REMOTE FIRE ALARM ANNUNCIATOR W/ MICROPHONE	54"	FAAM
LOCAL OPERATOR CONSOLE	54"	LOC
SMOKE EVACUATION CONTROL PANEL	54"	SECP
POWER SUPPLY/CONTROL FOR AUDIO/VISUAL DEVICES	46"	NAC
TRANSPONDER CABINET	46"	TRAN
GRAPHICS DISPLAY TERMINAL		GDT
FIRE ALARM CONTROL EXTENDER		EXT
POST INDICATOR VALVE		PIV
PULL STATION : DOUBLE ACTION	46" TO LEVER	F
KEYED, LOCKED PULL STATION : DOUBLE ACTION. STATION SHALL ONLY BE OPERABLE VIA KEY IN POSSESSION OF STAFF.	46" TO LEVER	F K
AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL, CLG	
AUDIO-ONLY NOTIFICATION APPLIANCE	WALL, CLG	
VISUAL-ONLY NOTIFICATION APPLIANCE	WALL, CLG	
BELL / LIGHT	80"	BL
BELL ONLY	80"	B
PHOTO-ELECTRIC SMOKE DETECTOR	CLG	SD
PHOTO-ELECTRIC SMOKE DETECTOR FOR PATIENT ROOM MONITORING (SEE RISER)	CLG	SD P
PROJECTED BEAM SMOKE DETECTOR: EMITTER (BE) AND RECEIVER (BR)		BE BR
HEAT DETECTOR	CLG	HD
CARBON MONOXIDE DUCT DETECTOR	ABOVE CEILING	CO
CARBON MONOXIDE ALARM: SINGLE STATION W/SOUNDER BASE	CLG	CN
CARBON MONOXIDE AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL	CM
DOOR HOLDER : WALL TYPE	WALL	DH
DOOR HOLDER : CLOSURE TYPE	ABV DOOR	DH C
DUCT SMOKE DETECTOR	ABV CLG	DD
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE		FS
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE		TS
PRESSURE SWITCH		PS
ISOLATION MODULE	WALL	I
ZONE ADDRESSABLE MODULE		M
H.V.A.C. SMOKE DAMPER CONNECTION		SM
FLUSH MOUNTED REMOTE ALARM INDICATING STATION/TEST SWITCH	7'-6"	R
FIREMAN'S PHONE JACK	4'-6"	FP
FIREMAN'S KNOX BOX CONNECTION		KB
ADDRESSABLE RELAY MODULE		R
INDICATES VANDAL-PROOF POLYCARBONATE COVER, VANDAL PROOF COVERS SHALL BE UL LISTED FOR USE WITH THE SPECIFIC DEVICE THEY ARE PROTECTING		VR
INDICATES CHIME AUDIBLE NOTIFICATION		CH
DEVICE USED FOR ELEVATOR CONTROL		EL

DESCRIPTION	MOUNTING HEIGHT	SYMBOL
LIGHTING FIXTURES AND EQUIPMENT		
REFER TO LUMINAIRE SCHEDULE FOR EXACT FIXTURE SPECIFICATIONS, MOUNTING HEIGHTS, ETC.		
SURFACE OR SUSPENDED CEILING FIXTURE		
RECESSED CEILING FIXTURE		
POLE MOUNTED AREA LIGHT WITH CONCRETE BASE		
LIGHTED BOLLARD WITH CONCRETE BASE		
EMERGENCY BATTERY WALL-PACK		
WALL MOUNT FIXTURE		
TRACK COMPLETE WITH POWER SUPPLIES AND FIXTURE HEADS		
FLOODLIGHT		
EXIT LIGHT (CEILING, END, WALL MOUNT) WITH OR WITHOUT DIRECTIONAL ARROWS, WITH OR WITHOUT EGRESS HEADS		
STRIP FIXTURE		
CROSS-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-CRITICAL BRANCH		
PARALLEL-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-LIFE SAFETY BRANCH		
REMOTE LIGHT FIXTURE DRIVER	AS NOTED	RD
REMOTE BATTERY BACKUP	AS NOTED	BB
CENTRAL BATTERY INVERTER	AS NOTED	INV
MISCELLANEOUS		
CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE: ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS: HASHMARKS INDICATE # OF CONDUCTORS.		PHASE NEUTRAL GROUND T#
NON-REVERSING MOTOR STARTER SNAP SWITCH	AS NOTED	$ M
MOMENTARY CONTACT SWITCH	46"	$ MC
HAND-OFF-AUTO 3-POSTION SWITCH	46"	$ HOA
DISCONNECT SWITCH	5'-0"	
MAGNETIC STARTER	5'-0"	
MAGNETIC COMBINATION STARTER	5'-0"	
VARIABLE FREQUENCY DRIVE	5'-0"	
ENCLOSED FLUSH MTD. CIRCUIT BREAKER	5'-0"	
MUSHROOM SWITCH	46"	
PUSHBUTTON STATION WITH 1, 2, OR 3 BUTTONS.	46"	
PANELBOARD, SURFACE OR FLUSH MOUNTED, HATCHING INDICATES EMERGENCY	6'-6" TO TOP	
TRANSFORMER	AS NOTED	
EQUIPMENT HARDWIRE CONNECTION (SEE DETAIL)		
KITCHEN EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAIL)		
MOTOR CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE		
PLUMBING FIXTURE SOLENOID VALVE/ELECTRIC EYE SENSOR CONNECTION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.		
PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION. TRANSFORMER SHALL BE 120V-24V. MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING IN J-BOX. PROVIDE ADDITIONAL TRANSFORMERS OF SAME TYPE AS/IF NEEDED		
PROVIDE CONNECTION TO HAND DRYER (SEE ARCHITECTURAL SPECIFICATIONS)	VERIFY WITH ARCHITECT	
SURGE PROTECTION DEVICE (SURFACE OR FLUSH MOUNTED)		SPD
GENERATOR ANNUNCIATOR PANEL (SURFACE OR FLUSH MOUNTED) - SEE SPECIFICATIONS	46"	GEN-A
CONDUIT UP		
CONDUIT DOWN		
FLEXIBLE CONDUIT		
GROUND BUS BAR ON INSULATED STANDOFFS	2'-0"	
BUS DUCT, AMPERAGES AS NOTED	AS SHOWN	
WIREWAY WITH REMOVABLE COVER (SIZE AS NOTED)	AS SHOWN	
TRENCH DUCT (SIZE AS NOTED)	AS SHOWN	
WIRE BASKET CABLE TRAY, SIZE AS NOTED	AS SHOWN	
LADDER CABLE TRAY, SIZE AS NOTED	AS SHOWN	
SOLID BOTTOM CABLE TRAY, SIZE AS NOTED	AS SHOWN	
J-HOOK PATHWAY		
EQUIPMENT TAG, REFER TO EQUIPMENT SCHEDULE		EQUIP-#
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)		EQUIP-#
TAGGED NOTE		
REVISION TAG		

LINETYPE LEGEND	
	EXISTING
	DEMOLISHED
	NEW

DESCRIPTION	MOUNTING HEIGHT	SYMBOL
ABBREVIATIONS		
UNLESS OTHERWISE NOTED		UON
OWNER FURNISHED CONTRACTOR INSTALLED		OFCI
OWNER FURNISHED OWNER INSTALLED		OFOI
CONTRACTOR FURNISHED CONTRACTOR INSTALLED		CFCI
CONTRACTOR FURNISHED OWNER INSTALLED		CFOI
INDICATES EMERGENCY POWER		EM
WIREGUARD - PROVIDE MANUFACTURER'S SPECIFIC GUARD FOR DEVICE NOTED		WG
WEATHERPROOF - NEMA-3R, WET LOCATION LISTED. PROVIDE COVERS, RATINGS, ETC, AS SUITABLE FOR OUTDOORS.		WP
EXPLOSION PROOF - PROVIDE WIRING METHODS, ENCLOSURES, RATINGS, ETC, AS SUITABLE FOR HAZARDOUS LOCATION.		XP
SPECIAL OUTLETS		
FLOORBOX, AS SCHEDULED	FLOOR	FBX
POKE-THRU, AS SCHEDULED	FLOOR	PK
WALLBOX, AS SCHEDULED	WALL	WBX
AUDIO/VISUAL SYSTEM OUTLET WITH DUPLEX RECEPTACLE, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	AV
COMBINATION POWER AND DATA OUTLET LOCATION, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	
COMBINATION POWER AND DATA OUTLET LOCATION, GFCI DUPLEX RECEPTACLE, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	
OVERHEAD PROJECTOR: PROVIDE DUPLEX RECEPTACLE. ONE DATA, HDMI, 3.5mm AUDIO, AND VGA OUTLET ON (3) PLATES	CLG	
SPECIAL VIDEO SYSTEM SIGNAL INPUT		-NA-
SURFACE PLUG-MOLD		
SURFACE WIRE-MOLD		
POWER POLE AS NOTED		PP
TELEVISION		
TELEVISION HEADEND (SPLITTERS/AMPLIFIERS/DISTRIBUTION)	46"	TV
TELEVISION SYSTEM OUTLET WITH DUPLEX RECEPTACLE, COORDINATE LOCATION WITH WALL BRACKET WHERE APPLICABLE	7'-0"	T
OVERHEAD PAGING		
PAGING SPEAKER: CEILING	CLG	
PAGING SPEAKER W/ VOLUME CONTROL	CLG	
PAGING SPEAKER: WALL	8'-0"	
RECESSED WALL MOUNTED PAGING SPEAKER DUKANE 5A606 SPEAKER, ATLAS 417-8WD	8'-0"	
VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER, QUAM VP1	SEE FLOOR PLANS	V
EXTERIOR VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER, SHALL BE PAINTED COLOR SELECTED BY ARCHITECT/OWNER. QUAM VP6	SEE FLOOR PLANS	WP
WALL MOUNTED PAGING HORN	9'-0"	
CALL INITIATION STATION	46"	
WALL VOLUME CONTROL	46"	
PAGING MICROPHONE	1'-6"	
PANIC BUTTON (MOUNTING PER DRAWINGS)	46", UNDER DESK	
NOTIFICATION LIGHT (MOUNTING PER DRAWINGS)	7'-6", CLG	
LCD WALL DISPLAY		LCD
PAGING SYSTEM HEADEND	46"	PA
CLOCKS		
TYPICAL CLOCK MOUNTING HEIGHTS: FOR CEILING HEIGHTS < 9'-6" : MOUNT CENTER OF BACKBOX AT 8" BELOW CEILING. FOR CEILING HEIGHTS >= 9'-6" : MOUNT CENTER OF BACKBOX AT 9'-0" AFF.		
ANALOG CLOCK: SINGLE FACE	SEE ABOVE	
ANALOG CLOCK: DUAL FACE	SEE ABOVE	
DIGITAL CLOCK: SINGLE FACE	SEE ABOVE	HDS
DIGITAL CLOCK: DUAL FACE	SEE ABOVE	HDD
CLOCK SYSTEM HEAD END	84"	CLOCK
AV SYSTEMS		
PROJECTOR WITH MOUNT (CEILING OR WALL AS INDICATED)	REFER TO DRAWINGS	P
LOCAL SOUND SPEAKER: CEILING	CLG	LS
WIRELESS MICROPHONE ANTENNA	CLG	WA
LOCAL SOUND SPEAKER: WALL	REFER TO SPECS.	LS
MICROPHONE INPUT: # INDICATES NUMBER OF INPUTS.	1'-6"	M
WIRELESS MICROPHONE ANTENNA, WALL MOUNT	REFER TO SPECS.	WA
AV OUTPUT WALL PLATE. REFER TO DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY OF CONNECTIONS.	1'-6"	AO
AV INPUT WALL PLATE. REFER TO DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY OF CONNECTIONS.	1'-6"	AI
BLUETOOTH INPUT MODULE	1'-6"	BT
AV TOUCHSCREEN CONTROL STATION	46"	TS
LOCAL SOUND SYSTEM HEADEND	REFER TO SPECS.	LS
PANEL FURNITURE		
PANEL FURNITURE DUPLEX RECEPTACLE. PROVIDE ALL WIRING AS REQUIRED. COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNER'S PANEL FURNITURE VENDOR		
PANEL FURNITURE QUADRUPLEX RECEPTACLE. PROVIDE ALL WIRING AS REQUIRED. COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNER'S PANEL FURNITURE VENDOR		
PANEL FURNITURE DATA/VOICE OUTLET. PROVIDE ALL WIRING AS REQUIRED. COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNER'S PANEL FURNITURE VENDOR		2D
POWER CONNECTION TO PANEL FURNITURE. PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE. PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR	1'-6"	FP
COMBINATION POWER AND LOW VOLTAGE CONNECTION TO PANEL FURNITURE. PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE. PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR	1'-6"	FF

DESCRIPTION	MOUNTING HEIGHT	SYMBOL
SECURITY PANIC ALARM		
PANIC ALARM BUTTON	SEE DRAWINGS	PB
PANIC ALARM ANNUNCIATOR	46"	PA
PANIC ALARM STROBE - REFER TO SPECIFICATIONS FOR LENS AND HOUSING COLOR	SAME AS FIRE ALARM	PS
PANIC ALARM POWER SUPPLY CABINET	5'-0"	SECP
SECURITY INTERCOM		
AUDIO/VIDEO INTERCOM STATION: MASTER WITH SELECTIVE DOOR CONTROLS. POWER SUPPLIES & DOOR RELAY CONTACTS AS REQUIRED FOR OPERATION OF ANY DOOR IN THE SYSTEM AND VIEWING OF ANY AUDIO/VIDEO INTERCOM REMOTE ON THE SYSTEM. AIPHONE#IX-MV W/DESK STAND - COLOR BY ARCHITECT.	DESK MOUNT	IM
AUDIO/VIDEO INTERCOM STATION: REMOTE WITH FLUSH-MTD S.S. ENCLOSURE. AIPHONE #IX-DVF.	46"	IS
SECURITY ACCESS CONTROL		
DOOR ALARM	DOOR FRAME	DA DC
DOOR POSITION SWITCH	DOOR FRAME	DP
MAGNETIC LOCK(S)	ABV DOOR	ML
ELECTRIC LOCKSET	AT LATCH	EL
DOOR DELAYED EGRESS/ELECTRIFIED PANIC MECHANISM	ABV DOOR	DE
ELECTRIC STRIKE	AT LATCH	ES
AUTOMATIC DOOR CONNECTION (MAY ALSO HAVE ELECTRIC STRIKE/MAG-LOCK/ELECTRIFIED PANIC CONNECTION - SEE ARCHITECTURAL HARDWARE SPECIFICATIONS)	CLG	AD
DOOR RELEASE PUSH-PLATE / INFRA-RED OPERATOR STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.	46"	IR
DOOR RELEASE KEYSWITCH STATION	6'-0"	KS
DOOR RELEASE KEYPAD STATION	46"	KP
DOOR RELEASE PROXIMITY READER STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.	46"	PR
SAME AS "PR" EXCEPT MULLION MOUNT	46"	PR M
MOTION SENSOR DOOR CONTROL	CLG	MS
PUSH-TO-EXIT BUTTON	46"	PE
REMOTE DOOR RELEASE PUSH-BUTTON	8" ACT	RB
RECESSED JUNCTION BOX	SEE DRAWINGS	JB
ACCESS CONTROL HEADEND	5'-0"	SECA
SECURITY CCTV VIDEO SURVEILLANCE		
CCTV CAMERA: CEILING MOUNT DOME (TEXT INDICATES TYPE) REFER TO SCHEDULE FOR TYPES	CLG	
CCTV CAMERA: WALL MOUNT DOME (TEXT INDICATES TYPE) REFER TO SCHEDULE FOR TYPES	WALL	
INDICATES EXTERIOR CAMERA RATED FOR CONDITIONS, WET LOCATION LISTED, WITH AUXILLARY HEATER		WP
INDICATES CAMERA WITH PANTILT/ZOOM FUNCTION		PTZ
CCTV HEAD END	SEE DRAWINGS	SECA
SECURITY INTRUSION DETECTION		
MOTION DETECTOR (WALL OR CEILING MOUNT)	CLG	MS
GLASS BREAK SENSOR (WALL OR CEILING MOUNT)	CLG	GB
LOCAL SOUNDER	SEE DRAWINGS	LS
INTRUSION DETECTION KEYPAD CONTROLLER	46"	IP
SECURITY SYSTEM HEAD END	5'-0"	SEC
DATA / VOICE		
DATA OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA JACKS. NO NUMBER INDICATES 1 JACK.	1'-6"	2D
VOICE OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS. NO NUMBER INDICATES 1 JACK.	1'-6"	
COMBINATION OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA/VOICE JACKS	1'-6"	2D/1V
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE BACKSPLASH		
OUTLET (VOICE ONLY) : PAYPHONE TYPE	AS REQ'D.	PAY
DATA RACK: TWO POST. REFER TO COMMUNICATIONS RISERS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.		
DATA RACK: FOUR POST. REFER TO COMMUNICATIONS RISERS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.		
TELECOMMUNICATIONS SYSTEM BACKBOARD. PROVIDE 96"H x 3/4"D FIRE-RETARDENT PLYWOOD BACKBOARD WITH TWO (2) COATS OF NON-CONDUCTIVE, FIRE-RETARDANT LIGHT GRAY PAINT. #3/0 TO GROUND BAR AT MAIN SERVICE SWITCHBOARD. 3/0-PT GROUND BAR AND A 6'-0" #3 AWG PIGTAIL AT BACKBOARD. INSTALL BOARD AT 2' AFF. (LENGTH OF BOARD AS INDICATED ON FLOOR PLAN)		
WIRELESS ACCESS POINT OUTLET WITH PROVISIONS FOR (1 DATA OUTLET FOR ANTENNA. PROVIDE A COMPLETE DATA OUTLET WITH FACEPLATE ABOVE CEILING, MOUNTED AT AN ACCESSIBLE HEIGHT NO MORE THAN 24" ABOVE CEILING. AT EACH OUTLET, PROVIDE A 20' COIL OF CABLE AHEAD OF THE OUTLET FOR ADJUSTMENT OF FINAL OUTLET LOCATION. THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS WITH THE OWNER AND ADJUST OUTLET LOCATIONS AT SUBSTANTIAL COMPLETION TO ACCOMMODATE OWNER'S WAP LOCATIONS.	CEILING WALL	WAP WAP

CABLE AND CONDUIT COLOR SCHEDULE

SYSTEM	CABLE COLOR	CONDUIT COLOR	JACK INSERT	CABLE TYPE
VOICE/DATA	BLUE	BLUE	BLUE	CAT6A
SECURITY	WHITE	WHITE	N/A	CAT6
INTERCOM	GRAY	GRAY	N/A	CAT6

DESCRIPTION

SYSTEM RESPONSIBILITY MATRIX

SYSTEM	ITEM USED ON PROJECT	DEVICES - O F O I	DEVICES - O F C I	DEVICES - C F C I	CABLING/CONDUCTORS - O F O I	CABLING/CONDUCTORS - O F C I	CABLING/CONDUCTORS - C F C I	SYSTEM SYMBOL
OVERHEAD PAGING	●			●			●	◇

SYSTEM RESPONSIBILITY GENERAL NOTES:

A. REFER TO VENDOR DRAWINGS FOR COMPLETE SCOPE OF WORK RELATING TO VENDOR-FURNISHED EQUIPMENT. ALL WORK INDICATED ON VENDOR DRAWINGS SHALL BE INCLUDED BY THE CONTRACTOR.
B. REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS FOR ACCESS CONTROL DEVICE SPECIFICATIONS AND FURTHER REQUIREMENTS.
C. PROVIDE BACKBOXES AND CONDUIT WITH PULL-STRINGS FOR ALL SYSTEMS. CONTRACTOR SHALL VERIFY BACKBOX SIZES, CONDUIT, ETC. AND EXACT INSTALLATION LOCATIONS/REQUIREMENTS WITH SUCCESSFUL VENDORS OF ALL SYSTEMS PRIOR TO CONSTRUCTION.
D. AT ALL SYSTEMS EQUIPMENT CABINET/TERMINAL BOARD LOCATIONS, CONTRACTOR SHALL PROVIDE SIZE AND NUMBER OF CONDUIT STUB-OUTS TO CABLE PATHS AS REQUIRED BY SYSTEM VENDORS, TERMINATE CONDUITS AT CABINETS/ON BACKBOARDS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH APPROPRIATE VENDORS PRIOR TO CONSTRUCTION.
E. REFER TO SPECIFICATIONS FOR REQUIREMENTS APPLICABLE TO ALL SYSTEMS INCLUDING CABLING, CABLE MANAGEMENT, INSTALLATION, GROUNDING, TESTING, LABELING, ETC.
F. WHERE INDICATED AS CFCI, THE CONTRACTOR SHALL PROVIDE THE SYSTEM COMPLETE, INCLUDING ALL ROUGH-INS, CABLING, DEVICES, POWER, ETC. THE CONTRACTOR SHALL CONTACT THE LISTED VENDOR FOR PRICING PRIOR TO BID. ALL SYSTEMS SHALL MATCH EXISTING FACILITY STANDARDS AND BE FULLY COMPATIBLE WITH ANY EXISTING SYSTEMS. ALL SYSTEM VENDORS SHALL COORDINATE EXACT SYSTEM REQUIREMENTS WITH OWNER PRIOR TO BID. NEW COMPONENTS SHALL BE INTERCONNECTED WITH EXISTING SYSTEMS WHERE POSSIBLE. ALL NEW SYSTEM DESIGNS AND PROGRAMMING SHALL BE COORDINATED WITH THE OWNER PRIOR TO ORDERING. ALL PROGRAMMING SHALL BE INCLUDED AS REQUIRED BY THE OWNER. PROVIDE 4 HOURS OF TRAINING FOR EACH SYSTEM.

ELECTRICAL INTERCOM NOTES:

A. THE CONTRACTOR SHALL VISIT SITE AND VERIFY THAT PULL BOXES AND CONDUITS MAY BE INSTALLED AS INDICATED. IF THERE IS A CONFLICT, CONTRACTOR SHALL NOTIFY ENGINEER 10 DAYS PRIOR TO BID. NO PRICE CHANGE WILL BE GIVEN FOR ANY ALTERNATE ROUTINGS OF CONDUIT AFTER THE CONTRACT HAS BEEN AWARDED. NOTIFY FACILITY ENGINEER AT LEAST 24 HOURS IN ADVANCE OF ANY VISIT.
B. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES (WHETHER EXISTING OR NEW).
C. COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
D. REMOVE AND RE-INSTALL ALL CEILING TILES, HARD CEILINGS, AND/OR GRID MEMBERS AS NECESSARY TO PERFORM WORK REQUIRED. REPLACE TILES WITH NEW IF ACCEPTABLE TO OWNER.

GENERAL HORIZONTAL DATA CABLING SCOPE NOTE:

EXISTING CAT6 DATA DROPS ARE LOCATED THROUGHOUT THE FACILITIES. THESE EXISTING DATA DROPS SHALL BE UTILIZED TO SERVE NEW NETWORK-ATTACHED SYSTEMS WHERE POSSIBLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK WITH THE OWNER'S IT TEAM TO DETERMINE AN ACCEPTABLE METHOD TO RELOCATE DROPS IF NECESSARY. IN MANY CASES, NOT ALL, THERE ARE ACCESSIBLE DROPS ABOVE CEILING THAT CAN BE USED. ALL OF THE NEW DEVICES ADDED TO GYMS OR CAFETERIAS SHALL BE SERVED FROM NEW DROPS FROM THE NEAREST MDF/IDF AND BE INSTALLED ON NEW PATCH PANELS AND LABELED TO MATCH EXISTING.

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NOT FOR CONSTRUCTION

ELECTRICAL LEGEND
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Project Status

E0.1

ELECTRICAL LEGEND

DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION

ELECTRICAL GENERAL NOTES

A EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.

B ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.

C WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES. INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.

D CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

E ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.

F INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEER.

G ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.

H WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.

I DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.

J OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).

K MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UON. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UON.

L INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.

M DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.

N THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.

O ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER

P ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.

Q UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH ARCHITECT.

R WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING MANUFACTURER AND ARCHITECT.

S THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, DATA, ETC.).

T COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.

U CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON 2' DIMENSION OF 2'X4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4' DIMENSION.

V ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTORS' EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.

W CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE.

X PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT

Y DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.

Z THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.

AA WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.

AB WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS.

AC COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).

AD ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.

AE ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUS INSOFAR AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.

AF NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.

AG ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

AH ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.

AI WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.

AJ REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR TO ROUGH IN.

AK FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.

AL AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.

AM THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK.

AN ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.

AO INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.

AP WHERE BACKBOXES ARE LOCATED IN THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM.

AQ JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

AR ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.

AS DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

AT NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR TO CONSTRUCTION.

AU ALL ITEMS HAVING KEYED LOCKS/OPERATORS SHALL HAVE CORED LOCKS/OPERATORS. ALL KEYING SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.

AV REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.

ELECTRICAL DEMOLITION NOTES

A DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND SOLID HALFTONE LINES INDICATE EXISTING ITEMS TO REMAIN.

B THE CONTRACTOR SHALL MAINTIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

C LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.

D REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).

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

F COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

G PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.

H CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.

I UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.

J EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.

K CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

L DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.

M ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

N CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.

ELECTRICAL FIRE ALARM NOTES

A THIS RISER IS PARTIAL. ALL THE DEVICES CONNECTED TO THE "FACP" UNITS ARE NOT SHOWN. THE CONTRACTOR SHALL REFER TO THE ELECTRICAL FLOOR PLANS FOR THE COMPLETE FIRE ALARM SYSTEM.

B THE EXTENT OF ALL FIRE ALARM SYSTEM WORK IS INDICATED OR IMPLIED ON THE CONTRACT DRAWINGS.

C FIELD VERIFY THE EXACT NUMBER AND LOCATIONS OF ALL MECHANICALLY RELATED ITEMS (SPRINKLER CONNECTIONS, EXTINGUISHING SYSTEMS, SMOKE DAMPERS, RANGE HOOD SUPPRESSION SYSTEMS, ETC.) AND MAKE CONNECTIONS AS REQUIRED/INDICATED.

D PROVIDE CONNECTIONS TO ALL FIRE PROTECTION TAMPER AND FLOW SWITCHES VIA ZONE ADDRESSABLE MODULES AS REQUIRED. CONTRACTOR SHALL VERIFY ALL LOCATIONS WITH FIRE PROTECTION SYSTEM SHOP DRAWINGS. CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR COMPLETE INSTALLATION OF A CONNECTION TO EXISTING FIRE PROTECTION SWITCHES.

E ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.

F TAP SPEAKERS TO PROVIDE SUFFICIENT AUDIBILITY FOR AREA SERVED.

G SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/ CEILING INTERSECTIONS.

H AIR HANDLING UNITS SHALL ONLY SHUT DOWN WHEN SMOKE IS DETECTED AT THAT PARTICULAR AIR HANDLING UNIT (UON). SMOKE DAMPERS SHALL CLOSE ONLY WHEN SMOKE IS DETECTED AT THAT PARTICULAR SMOKE DAMPER BY ACTIVATION OF THE CONTROLLING SMOKE DETECTOR. REFER TO THE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

I PROVIDE DUCT SMOKE DETECTORS WITH REMOTE TEST SWITCH/INDICATOR LIGHT AT 7'-6" AFF ON WALL IN AREA BELOW DETECTOR.

J RISER DIAGRAM IS FOR BID PURPOSES ONLY. SYSTEM SHALL BE INSTALLED AND CONNECTED IN ACCORDANCE WITH WIRING DIAGRAMS OBTAINED FROM MANUFACTURER, THAT HAVE BEEN APPROVED BY THE STATE FIRE MARSHAL'S OFFICE OR AUTHORITY HAVING JURISDICTION.

K PROVIDE FIRE ALARM MANUFACTURER WITH LOCATION DESCRIPTIONS FOR ALL FIRE ALARM DEVICES AS SOON AS POSSIBLE AFTER AWARD OF CONTRACT FOR PRE-PROGRAMMING OF FIRE ALARM SYSTEM. COORDINATE DESCRIPTIONS WITH BUILDING OWNER. UTILIZE FINAL ROOM NAMES AND NUMBERS, NOT NAMES AND NUMBERS FROM FLOOR PLANS.

L EACH FIRE ALARM DEVICE SHALL BE LABELED WITH SELF ADHESIVE POLYESTER COATED PRINTED LABELS INDICATING DEVICE ADDRESS AND CIRCUIT PER FIRE ALARM SHOP DRAWINGS.

M MODIFY AND/OR EXPAND EXISTING CONTROL PANEL(S) AND ANNUNCIATOR(S) TO ACCOMMODATE AS REQUIRED TO SUPPORT ADDITIONAL DEVICES SHOWN. FURNISH AND INSTALL ANY MODULES OR EQUIPMENT NECESSARY TO EXPAND SYSTEM. EXISTING ANNUNCIATOR(S) AND CONTROL PANEL(S) SHALL BE UPDATED TO DISPLAY TROUBLES AND ALARM LOCATIONS FOR ALL NEW ZONES.

N PROVIDE CONNECTIONS TO NEW ACCESS CONTROL DOORS TO ALLOW POSITIVE LATCHING AND FREE EGRESS UNDER ALARM CONDITIONS. COORDINATE EXACT REQUIREMENTS WITH SUCCESSFUL DOOR HARDWARE MANUFACTURER PRIOR TO CONSTRUCTION.

O PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND TESTING FOR SMOKE DETECTORS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE SIZE AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

P PROVIDE APPROVED TESTING AND REQUIRED CERTIFICATION OF SYSTEM COMPONENTS AND PROVE OPERATION OF SYSTEM FOR THE AREA OF WORK WHEN COMPLETE.

Q WIRING TO ALL FIRE ALARM DEVICES SHALL BE PER NEC AND MANUFACTURER'S RECOMMENDATIONS. VERIFY ALL WIRING REQUIREMENTS WITH THE OWNER AND FIRE ALARM VENDOR.

R ALL NEW DEVICES INDICATED, SUCH AS SMOKE DETECTORS, NOTIFICATION APPLIANCES, ETC., SHALL MATCH AND BE COMPATIBLE WITH EXISTING BUILDING SYSTEM.

S ALL 120V POWER FOR NEW FIRE ALARM SYSTEM COMPONENTS SHALL BE CONNECTED TO EMERGENCY LIFE-SAFETY BRANCH PANELS AS APPLICABLE. PROVIDE ALL NEW POWER CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION.

T PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.

U FIRE ALARM OCP DEVICES SHALL HAVE NON-REMOVABLE LOCKABLE HANDLE PAINTED RED.

V THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL BUILDING PERMITS, ELECTRICAL APPROVALS, AND APPROVALS FROM THE STATE OFFICE OF FIRE SAFETY OR AUTHORITY HAVING JURISDICTION (AHJ). THIS INCLUDES PREPARING DRAWINGS, CUTSHEETS, AND OTHER DOCUMENTATION REQUIRED BY THE AHJ OR FIRE ALARM EQUIPMENT MANUFACTURER. A COPY OF THESE REQUIREMENTS SHALL BE OBTAINED FROM AHJ. THE DRAWINGS SHALL BE PREPARED AS A FINAL SUBMITTAL AS OUTLINED IN THE SUBMITTAL REQUIREMENTS. ELECTRONIC COPIES OF THESE PLANS REQUIRED FOR THIS PURPOSE MAY BE OBTAINED FROM THE ENGINEER. DRAWINGS THAT ARE REQUIRED FOR APPROVAL SHALL BE FINISHED WITHIN 7 WORKING DAYS OF AWARD OF CONTRACT.

W WRITTEN CERTIFICATION OF ENTIRE FIRE ALARM SYSTEM SHALL BE SUBMITTED TO OWNER & ENGINEER AT CLOSE OF PROJECT.

X A TECHNICAL REPRESENTATIVE OF FIRE ALARM MANUFACTURER SHALL BE PRESENT AT ALL TIMES DURING FIRE ALARM CERTIFICATION.

Y CONTRACTOR SHALL MONITOR TROUBLES ON EXISTING PANEL EQUIPMENT ON A DAILY BASIS. WHERE A TROUBLE IS INDICATED, IT SHALL BE REPORTED TO THE OWNER AND CONSTRUCTION SHALL STOP UNTIL TROUBLE IS RESOLVED UNLESS OTHERWISE INDICATED BY OWNER.

Z INITIATING DEVICE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE IN SEPARATE RACEWAYS. FIRE ALARM SYSTEM JUNCTION BOXES, BACK BOXES, AND PULL BOXES SHALL BE PAINTED RED.

AA PROVIDE QUANTITY OF POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

ELECTRICAL KITCHEN NOTES

A PROVIDE BREAKER LOCK-OUT PROVISIONS IN PANELS FOR BREAKERS THAT SERVE HARD-WIRED KITCHEN EQUIPMENT CONNECTIONS.

B KITCHEN PLANS ARE BASED UPON COORDINATION WITH THE KITCHEN DESIGN CONSULTANT'S DRAWINGS. ALL ROUGH-INS AND FINAL CONNECTIONS SHALL BE VERIFIED WITH KITCHEN EQUIPMENT SHOP DRAWINGS AND ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO CONSTRUCTION.

C FOR ALL CIRCUITS SERVING RECEPTACLES AND EQUIPMENT IN KITCHEN AND SERVING AREAS, PROVIDE "GFCI" TYPE CIRCUIT BREAKERS FOR THOSE CIRCUITS. FOR ALL RECEPTACLES THAT ARE CONNECTED TO "GFCI" CIRCUIT BREAKERS, PROVIDE PERMANENT LABELS ON THE RECEPTACLE COVERPLATE INDICATING "GFCI" PROTECTED CIRCUIT".

D PROVIDE #302 STAINLESS STEEL COVERPLATES ON ALL OUTLETS LOCATED ON A WALL WITH STAINLESS STEEL COVERINGS. VERIFY LOCATIONS OF THESE STAINLESS STEEL WALLS WITH THE KITCHEN VENDOR DRAWINGS / SHOP DRAWINGS.

E REFER TO KITCHEN ELECTRICAL CONNECTIONS SCHEDULES FOR MOUNTING HEIGHTS OF RECEPTACLES AND JUNCTION BOXES.

F VERIFY EXACT OUTLET NEMA CONFIGURATIONS WITH EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION.

ELECTRICAL LIGHTING NOTES

A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.

B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

D LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.

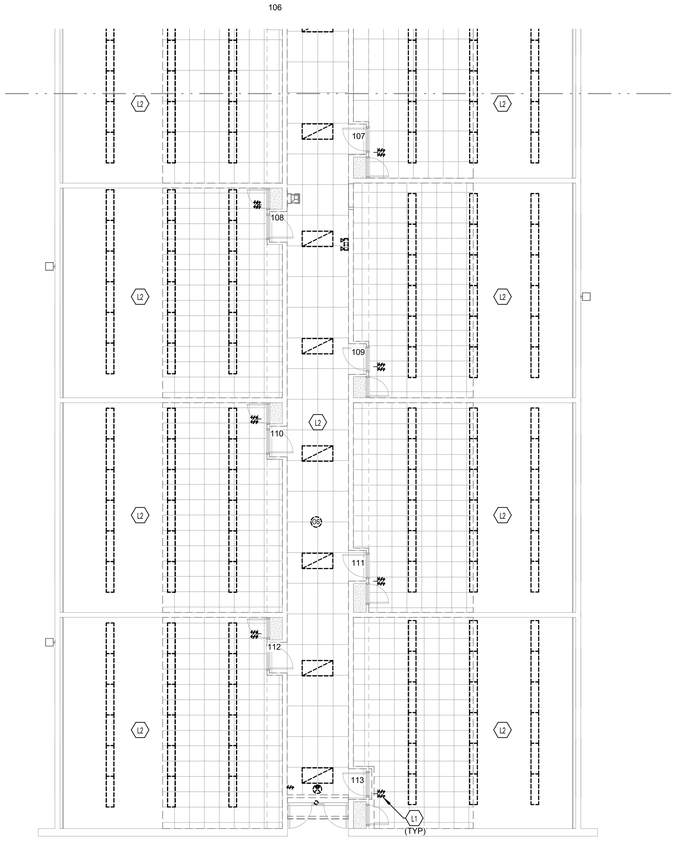
E LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.

F LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.

G ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND A

REVISIONS

#	DATE	DESCRIPTION



PARTIAL REFLECTED CEILING PLAN - LIGHTING - AREA A - DEMOLITION

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

0 2' 4' 8' 16' 24' 32'

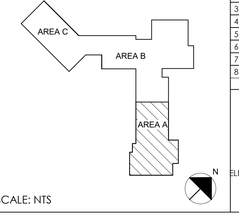
TAGGED NOTES

(#)

L1 DEMOLISH LIGHT SWITCH, RETAIN BACK BOX AND CONDUIT FOR FUTURE USE. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.

L2 DEMOLISH LIGHTING IN THIS AREA AND RETAIN CIRCUIT FOR FUTURE USE. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.

KEY PLAN



SCALE: NTS

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101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

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ELECTRICAL LIGHTING - AREA A - DEMOLITION
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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Project No:	0000
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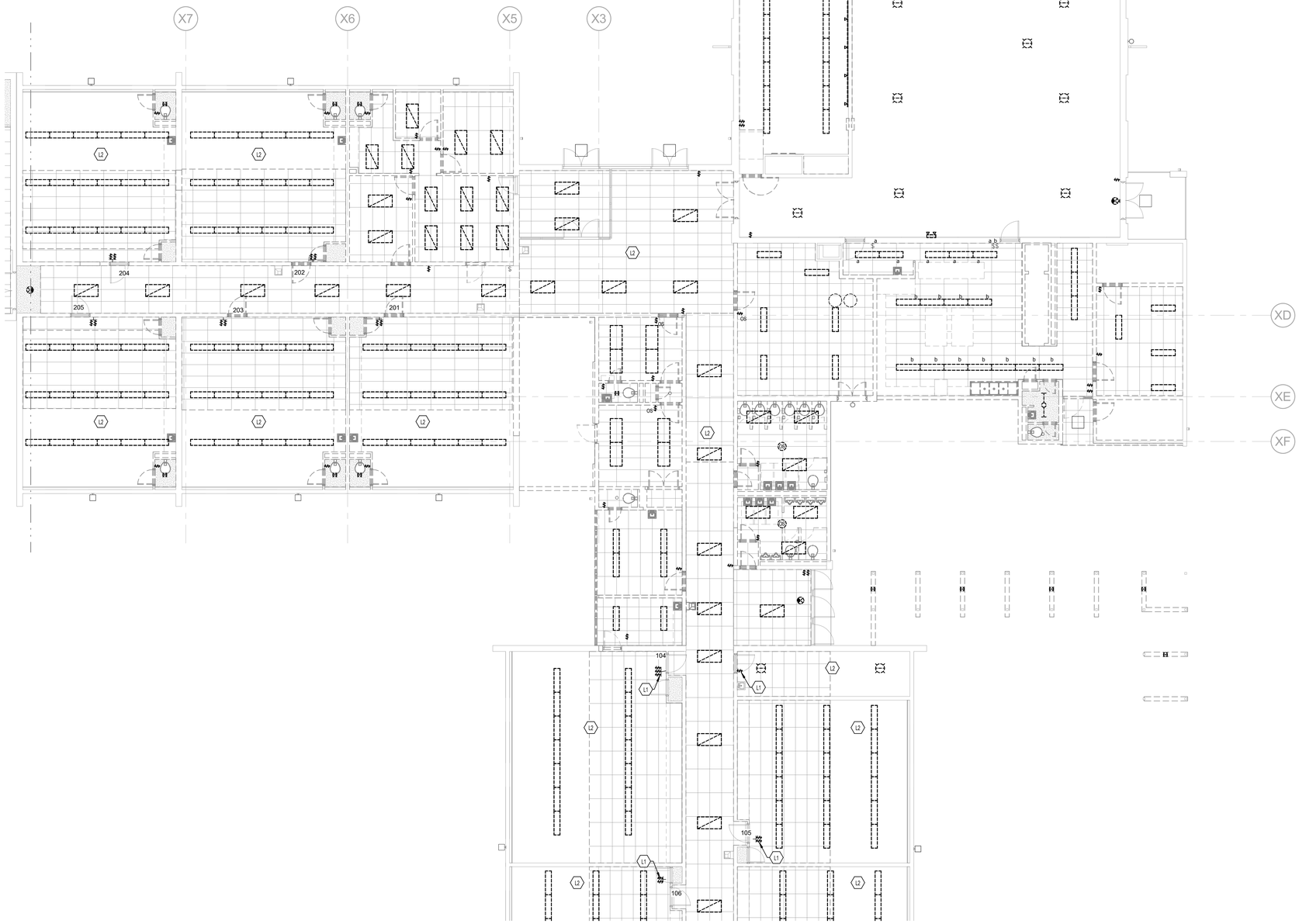
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ELECTRICAL LIGHTING - AREA A - DEMOLITION
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PARTIAL REFLECTED CEILING PLAN - LIGHTING - AREA B - DEMOLITION

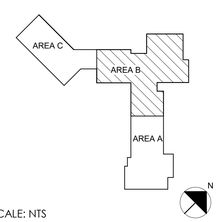
1 SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

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KEY PLAN



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ELECTRICAL LIGHTING - AREA B - DEMOLITION
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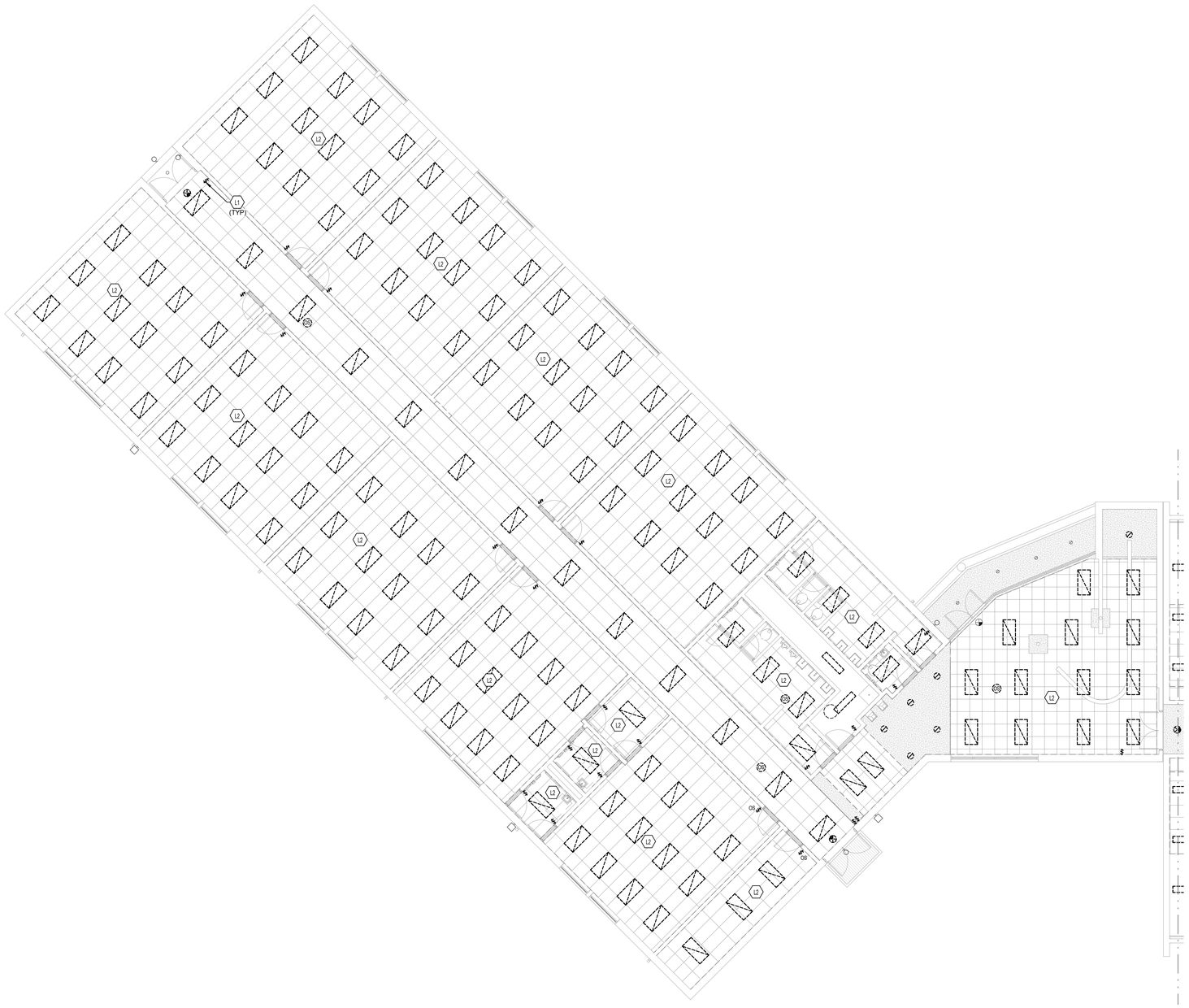
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PARTIAL REFLECTED CEILING PLAN - LIGHTING - AREA C - DEMOLITION

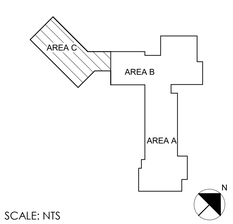
1 SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

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- L2 DEMOLISH LIGHTING IN THIS AREA AND RETAIN CIRCUIT FOR FUTURE USE. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.

KEY PLAN



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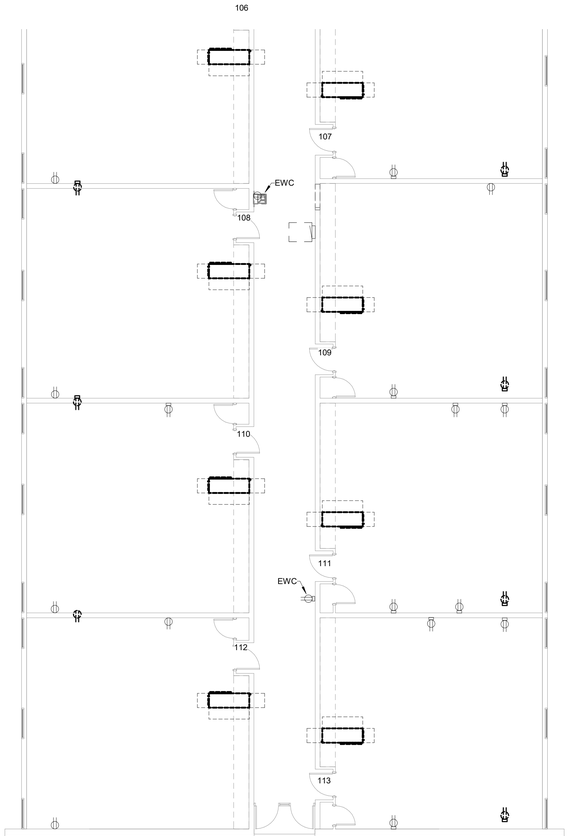
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ELECTRICAL LIGHTING - AREA C - DEMOLITION
DATE ISSUED:
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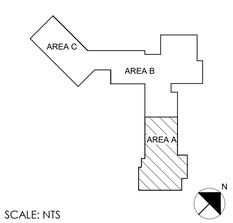
PARTIAL FLOOR PLAN - ELECTRICAL POWER - AREA A - DEMOLITION

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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ELECTRICAL POWER - AREA A - DEMOLITION

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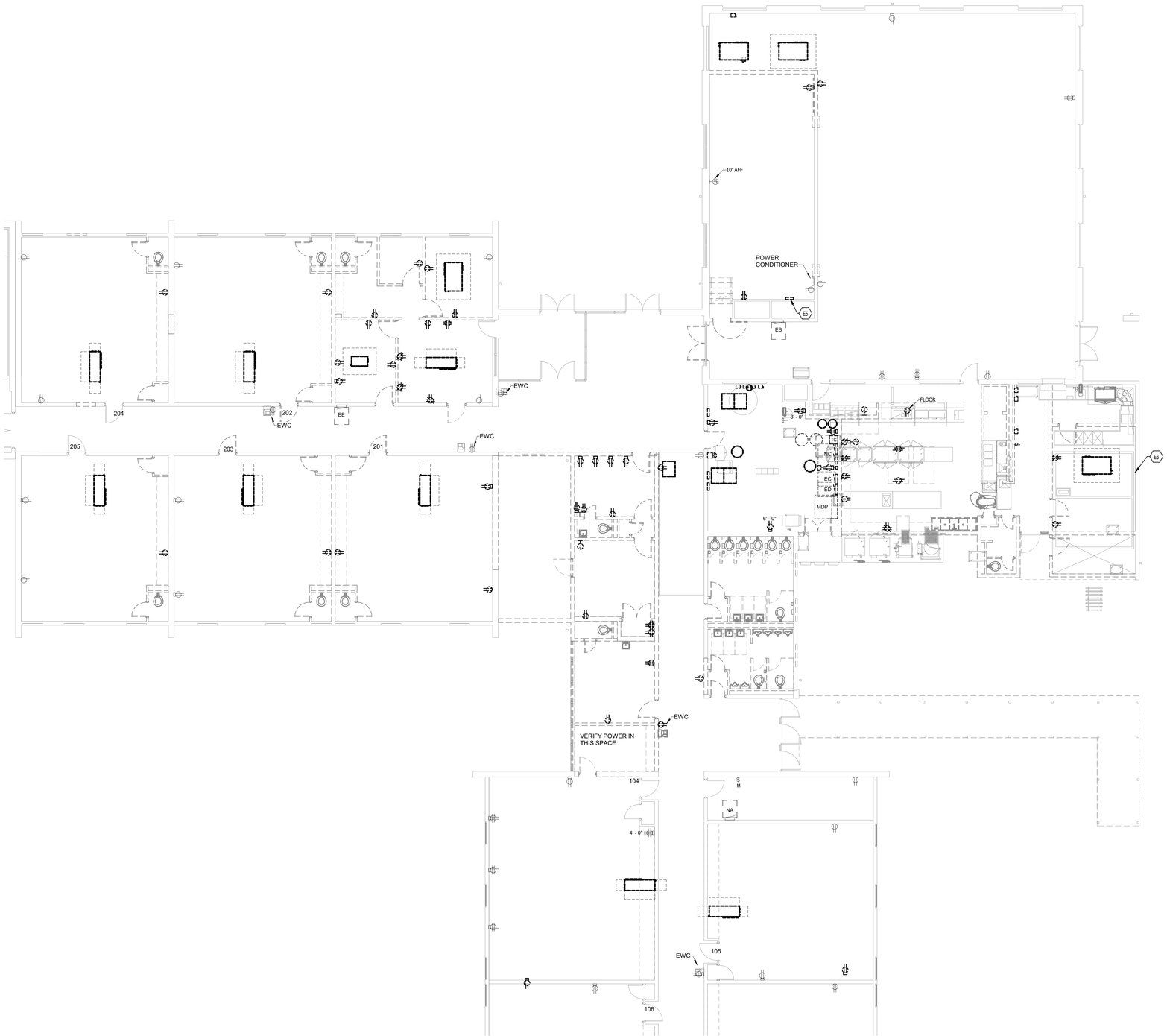
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PARTIAL FLOOR PLAN - ELECTRICAL POWER - AREA B - DEMOLITION

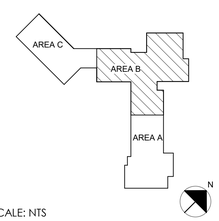
1 SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

E5 DEMOLISH EXISTING CABINET.
E6 EXISTING CONDUITS ON WALL TO REMAIN.

KEY PLAN



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Project No: 0000
Drawn By: ILA
Rev'd By: GMB

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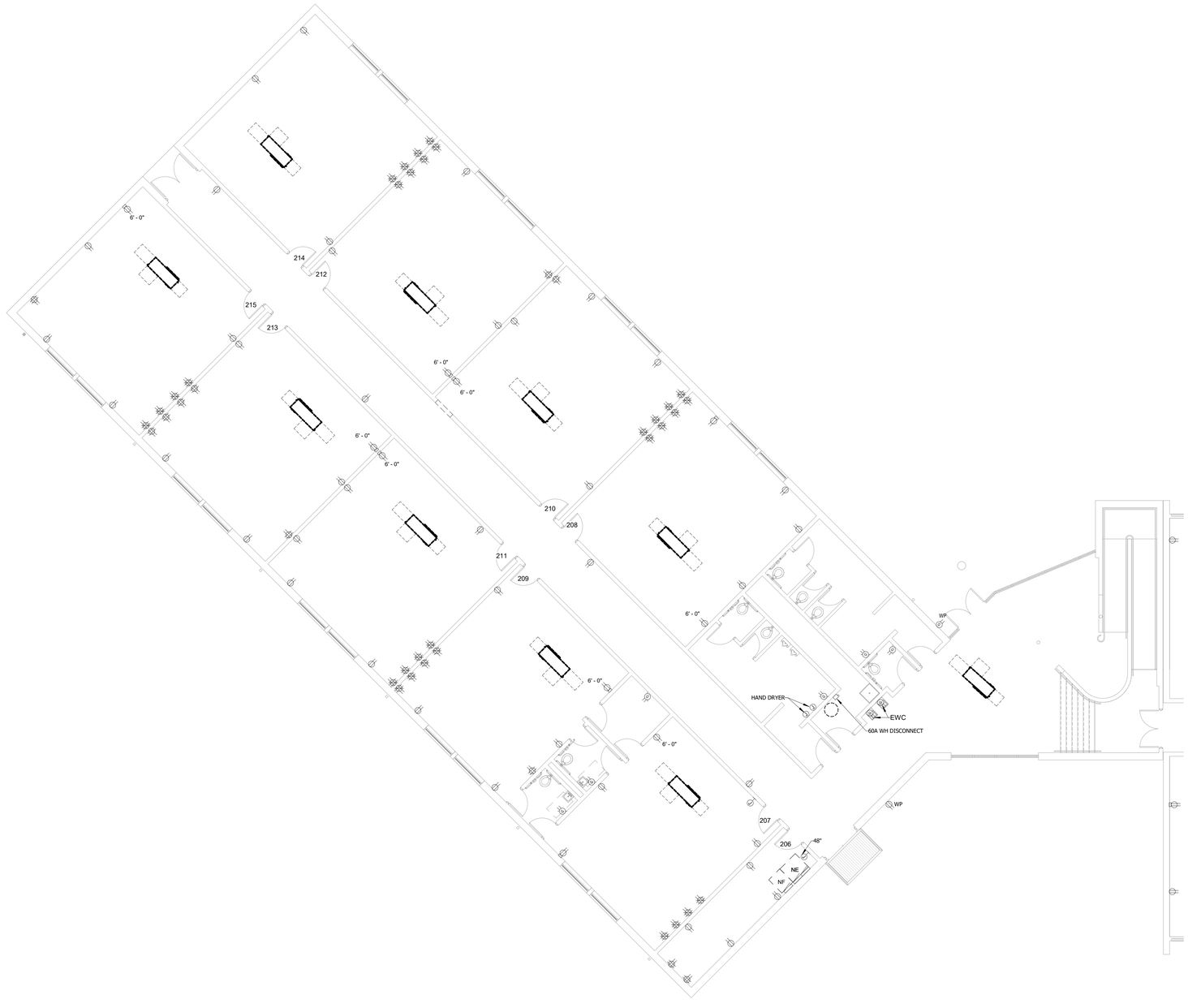
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ELECTRICAL POWER - AREA B - DEMOLITION
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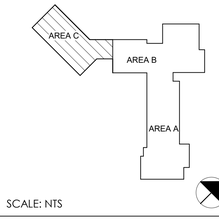
PARTIAL FLOOR PLAN - ELECTRICAL POWER - AREA C - DEMOLITION

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



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ELECTRICAL POWER - AREA C - DEMOLITION

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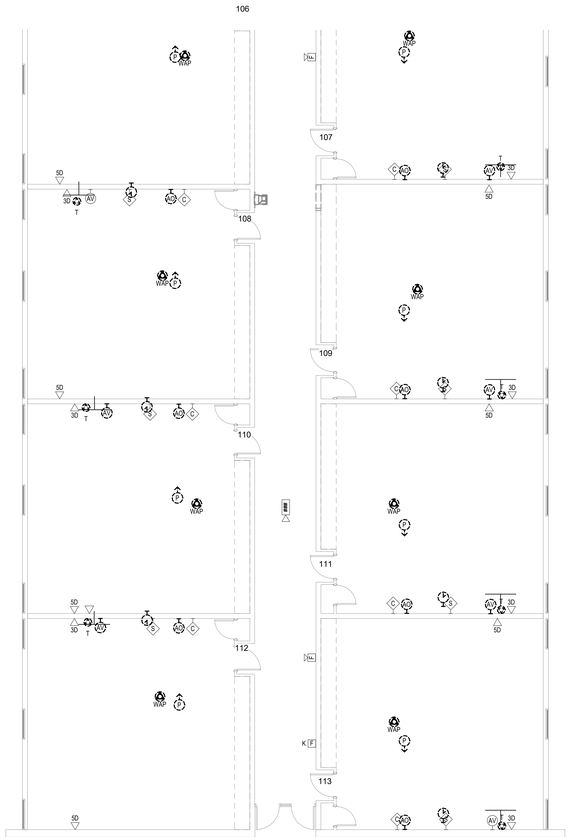
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ELECTRICAL POWER - AREA C - DEMOLITION
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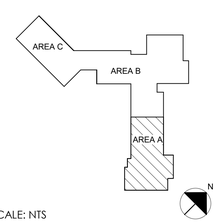
PARTIAL FLOOR PLAN - ELECTRICAL SYSTEMS - AREA A - DEMOLITION

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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ELECTRICAL SYSTEMS - AREA A - DEMOLITION
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FOR:
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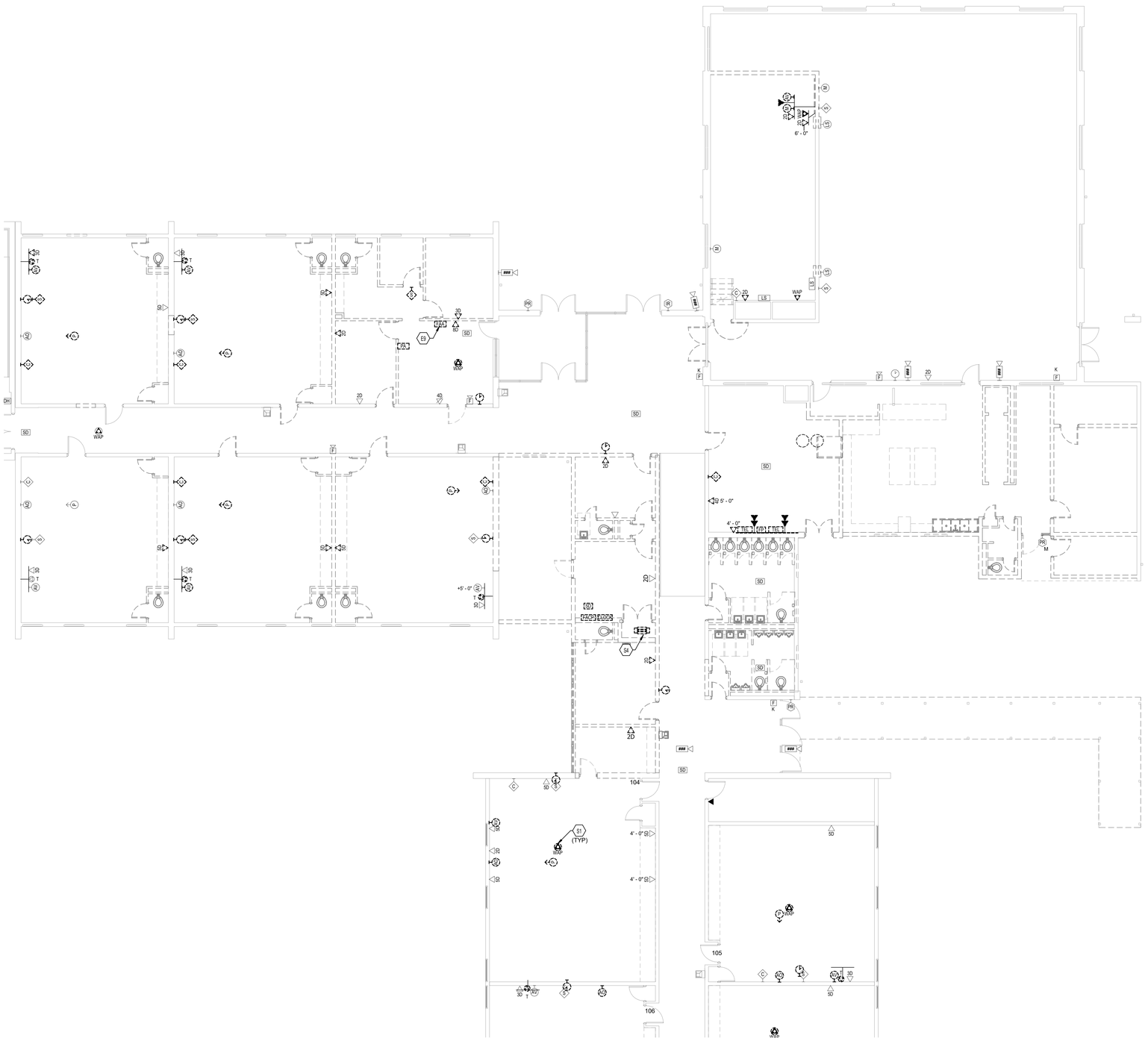
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ELECTRICAL SYSTEMS - AREA A - DEMOLITION
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PARTIAL FLOOR PLAN - ELECTRICAL SYSTEMS - AREA B - DEMOLITION

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

0 2' 4' 8' 16' 24' 32'

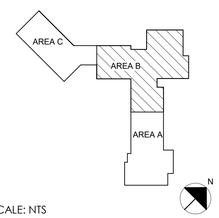
TAGGED NOTES

E9 DEMOLISH AND MAINTAIN FIRE ALARM ANNUNCIATOR PANEL FOR REINSTALLATION AT NEW LOCATION.

S1 DEMOLISH AND RETAIN EXISTING WIRELESS ACCESS POINTS. DEVICE WILL BE REINSTALLED IN NEW CEILING.

S4 EXISTING MAIN COMMUNICATIONS RACK. COORDINATE REWORK OF RACK AND CABLING WITH PHASING PLAN.

KEY PLAN



SCALE: NTS

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ELECTRICAL SYSTEMS - AREA B - DEMOLITION
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FOR:
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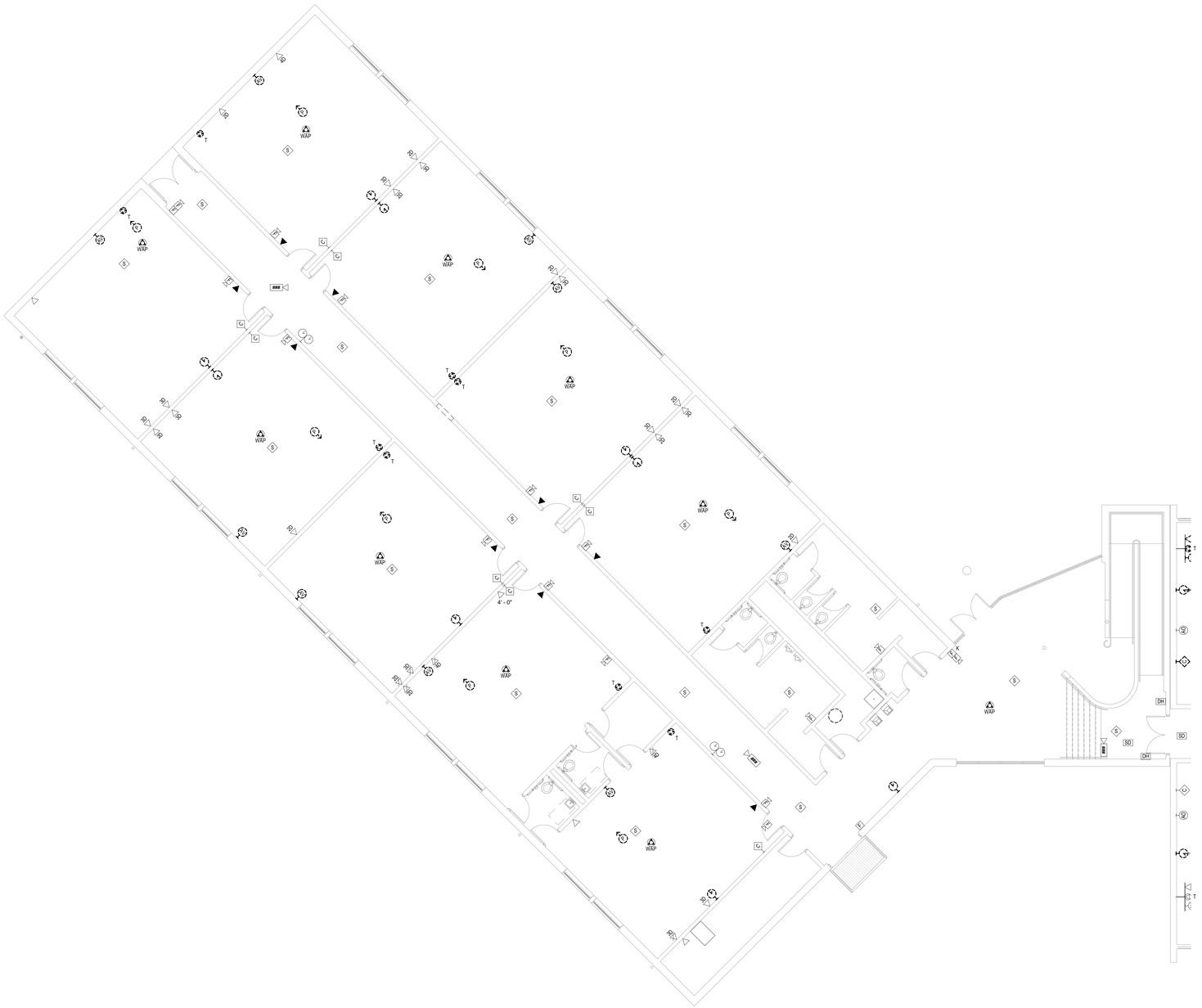
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ELECTRICAL SYSTEMS - AREA B - DEMOLITION
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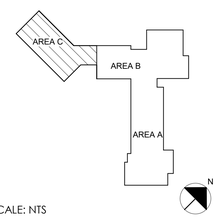
PARTIAL FLOOR PLAN - ELECTRICAL SYSTEMS - AREA C - DEMOLITION

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES ##

KEY PLAN



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ELECTRICAL SYSTEMS - AREA C - DEMOLITION
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FOR:
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ELECTRICAL SYSTEMS - AREA C - DEMOLITION
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#	DATE	DESCRIPTION

ELEC - LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	MINIMUM LUMENS	MOUNTING	MAXIMUM WATTAGE	VOLTAGE	REMARKS
A	LED 2X4 TROFFER	LITHONIA 2BLT4-48L-ADSM-LP835	4800		38	120	
A2	LED 2X4 TROFFER	LITHONIA 2BLT4-60L-ADSM-LP835	6000		46	120	
A2E	LED 2X4 TROFFER	LITHONIA 2BLT4-60L-ADSM-LP835	6000		46	120	
AE	LED 2X4 TROFFER	LITHONIA 2BLT4-48L-ADSM-LP835	4800		38	120	
C	LED 2X2 TROFFER	LITHONIA 2BLT2-40L-ADSM-LP835	4000		39	120	
CE	LED 2X2 TROFFER	LITHONIA 2BLT2-40L-ADSM-LP835	4000		39	120	
D	6" RECESSED CAN LIGHT FIXTURE	LITHONIA LDN6-35K-20-L06-AR-LSS-120	2000		23	120	
E	LED LINEAR FIXTURE	FOCAL POINT FSM4AL-FFL-875LF-35K-1C-UNV-L11-G1-WH-4'	3500		44	120	
EE	LED LINEAR FIXTURE	FOCAL POINT FSM4AL-FFL-875LF-35K-1C-UNV-L11-G1-WH-4'	3500		44	120	
F	LED INDUSTRIAL STRIP	LITHONIA CLX-L48-5000LM-SEF-FDL-120-GZ10-35K-80CRI	5000		35	120	
FE	LED INDUSTRIAL STRIP	LITHONIA CLX-L48-5000LM-SEF-FDL-120-GZ10-35K-80CRI	5000		35	120	
H	LED HIGH BAY	LITHONIA JCBL-30000LM-DALR-ALDRP-MVOLT-35K-80CRI-PM	30000		204	120	
X1	LED EXIT SIGN	LITHONIA LQM-S-W-3-R-MVOLT-XX			2	120	
X2	LED EXIT SIGN	LITHONIA LQM-S-W-3-R-MVOLT-XX			2	120	



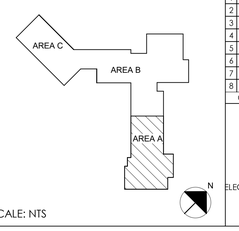
PARTIAL REFLECTED CEILING PLAN - LIGHTING - AREA A - NEW WORK

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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ELECTRICAL LIGHTING - AREA A - NEW WORK
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
2429 Members Way
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p 859.253.0892

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

BG#

Project No:	0000
Drawn By:	ILA
Rev'd By:	GMB

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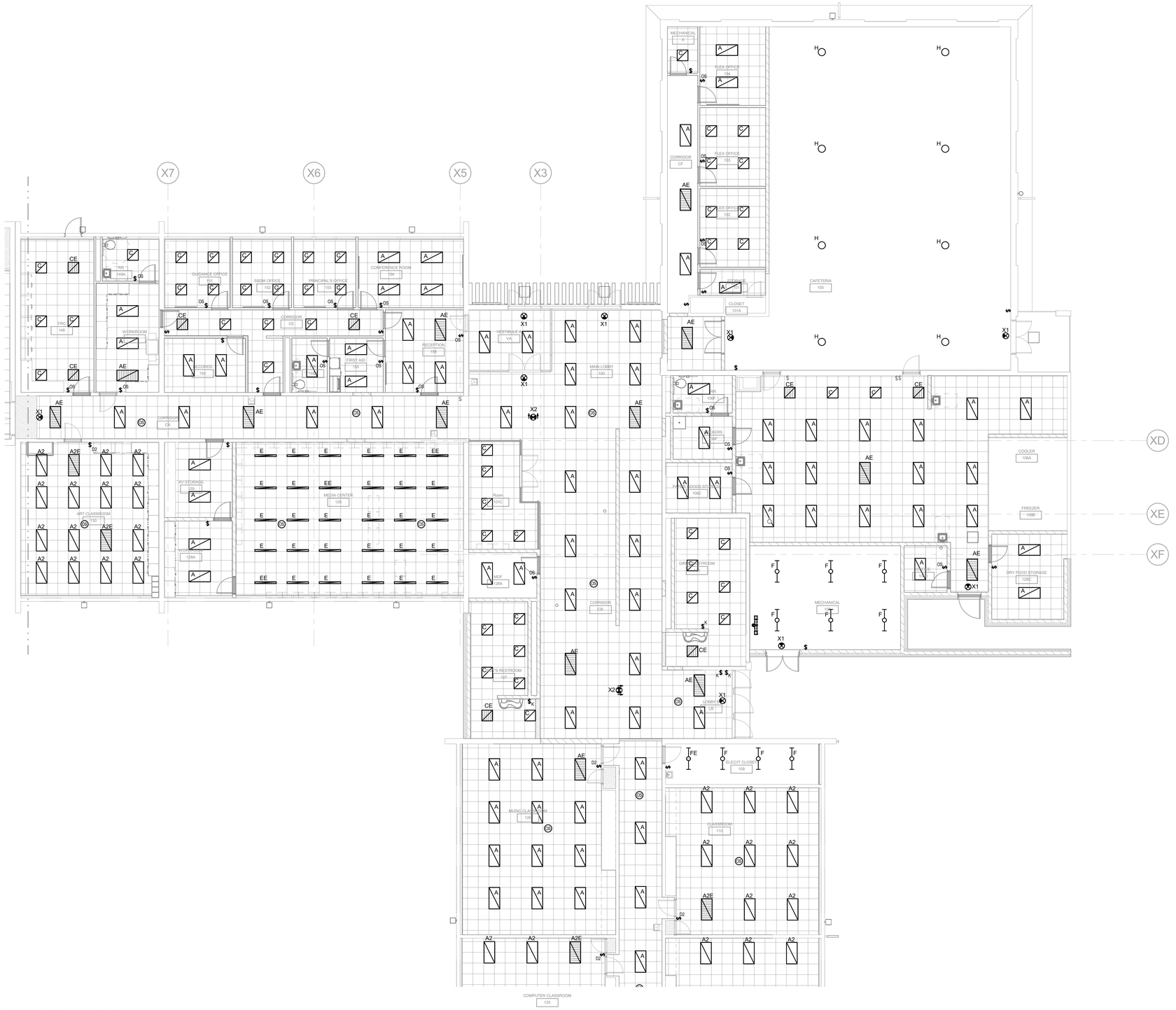
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ELECTRICAL LIGHTING - AREA A - NEW WORK
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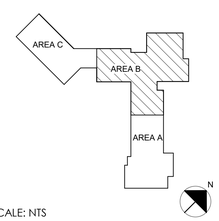
PARTIAL REFLECTED CEILING PLAN - LIGHTING - AREA B - NEW WORK

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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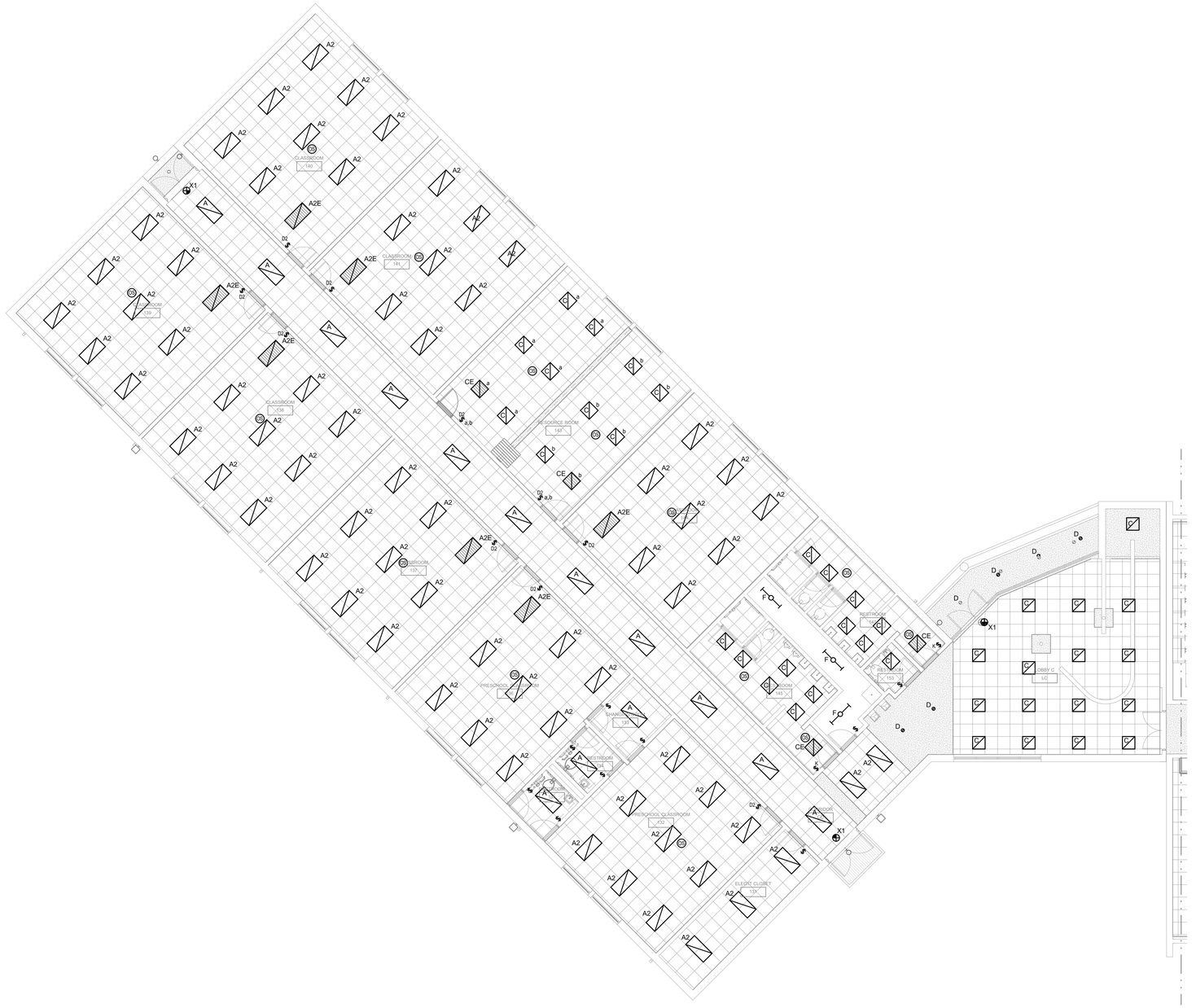
Project Status

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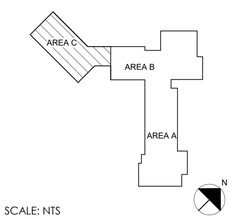
PARTIAL REFLECTED CEILING PLAN - LIGHTING - AREA C - NEW WORK

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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ELECTRICAL LIGHTING - AREA C - NEW WORK
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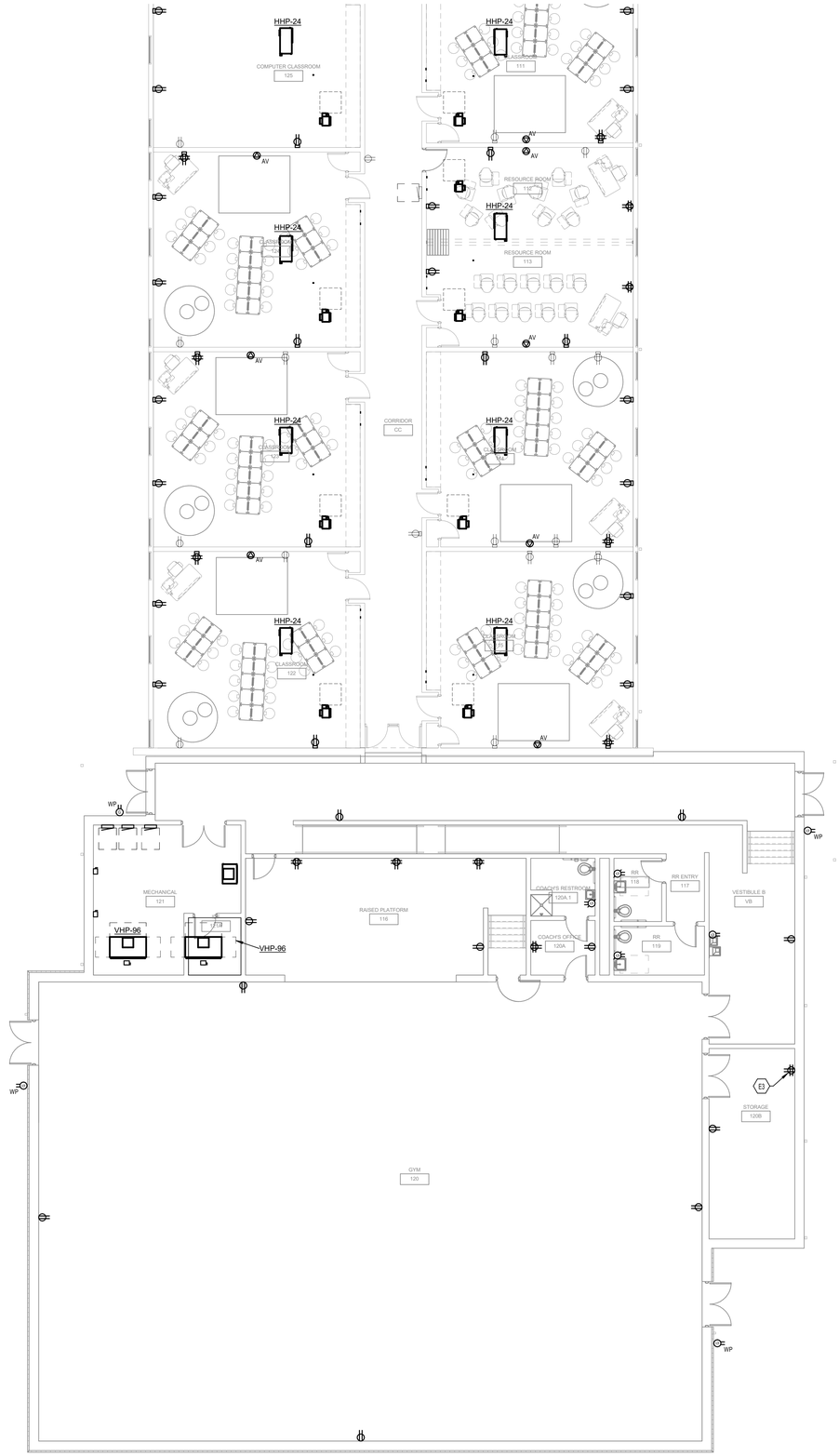
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ELECTRICAL LIGHTING - AREA C - NEW WORK
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PARTIAL FLOOR PLAN - ELECTRICAL POWER - AREA A - NEW WORK

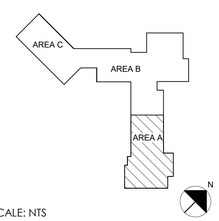
1 SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

E3 DEDICATED POWER FOR SOUND SYSTEM.

KEY PLAN



SCALE: NTS

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ELECTRICAL POWER - AREA A - NEW WORK
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ELECTRICAL POWER - AREA A - NEW WORK
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PARTIAL FLOOR PLAN - ELECTRICAL POWER - AREA B - NEW WORK

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

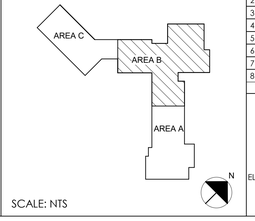
0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

(#)

- E1 REMOVE AND REPLACE ALL EXISTING RECEPTACLES IN THIS WING.
- E2 ALL RECEPTACLES IN SCHOOL SHALL BE TAMPER PROOF.
- E4 RECEPTACLES SHALL BE MOUNTED FROM CEILING AND INCLUDE PIGTAILS FOR ELECTRICAL CONNECTION.
- E7 NEW SERVICE ENTRANCE FUSED DISCONNECT. COORDINATE WITH KENTUCKY UTILITIES PRIOR TO INSTALLATION.
- E8 COMBO SYMBOL SHALL REPRESENT QUADRAPLEX AND 2D DATA SURFACE MOUNTED SIDE-BY-SIDE ABOVE THE DISPLAY. COORDINATE WITH AV DISPLAY INSTALLER PRIOR TO ROUGH-IN.

KEY PLAN



SCALE: NTS

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ELECTRICAL POWER - AREA B - NEW WORK
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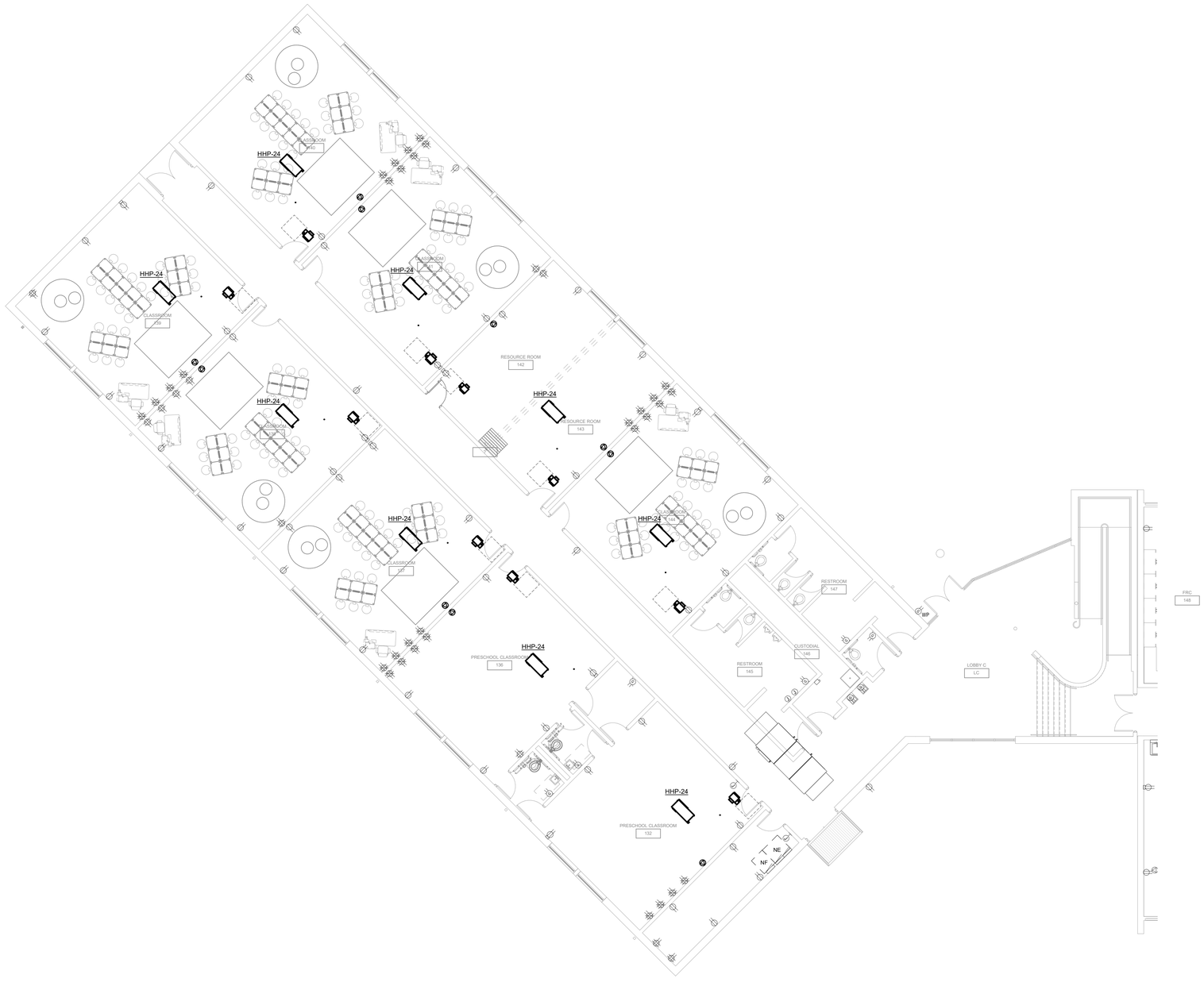
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ELECTRICAL POWER - AREA B - NEW WORK
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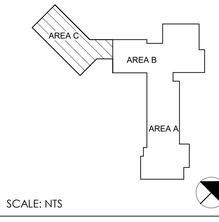
PARTIAL FLOOR PLAN - ELECTRICAL POWER - AREA C - NEW WORK

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES (#)

KEY PLAN



SCALE: NTS

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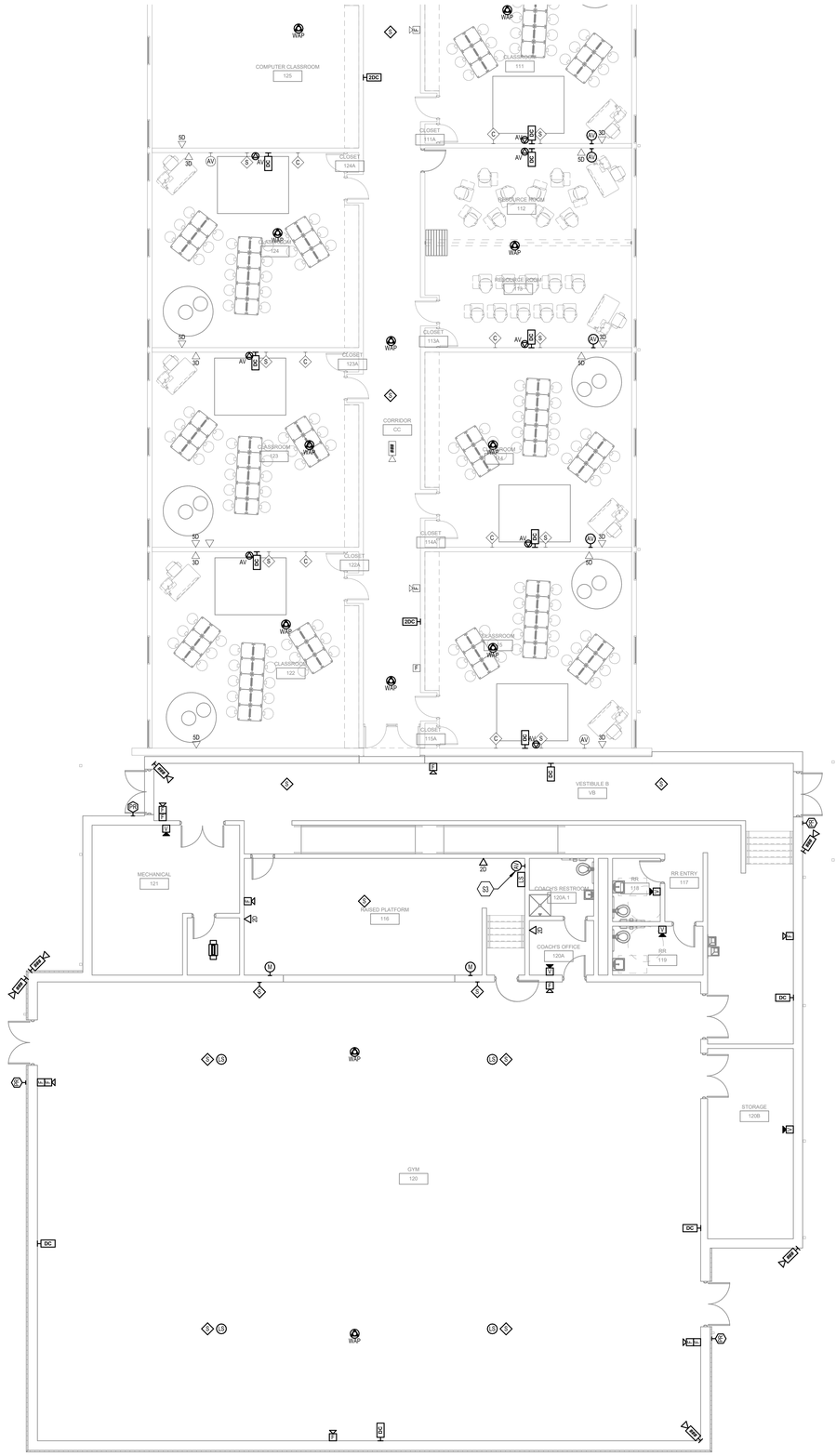
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ELECTRICAL POWER - AREA C - NEW WORK
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PARTIAL FLOOR PLAN - ELECTRICAL SYSTEMS - AREA A - NEW WORK

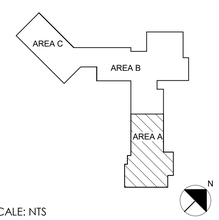
1 SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

S3 COORDINATE AV INPUT WITH NEW SOUND SYSTEM.

KEY PLAN



SCALE: NTS

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ELECTRICAL SYSTEMS - AREA A - NEW WORK
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ELECTRICAL SYSTEMS - AREA A - NEW WORK
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PARTIAL FLOOR PLAN - ELECTRICAL SYSTEMS - AREA B - NEW WORK

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

0 2' 4' 8' 16' 24' 32'

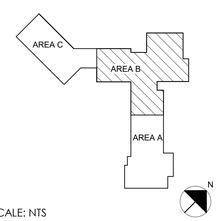
TAGGED NOTES

E10 REINSTALL MAINTAINED FIRE ALARM ANNUNCIATOR PANEL.

S2 USE EXISTING WIRELESS ACCESS POINT TO BE INSTALLED IN NEW CEILING.

S5 SURFACE MOUNT HDMI INPUT. RUN CABLE IN SURFACE MOUNTED RACEWAY TO AV DISPLAY.

KEY PLAN



SCALE: NTS

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ELECTRICAL SYSTEMS - AREA B - NEW WORK
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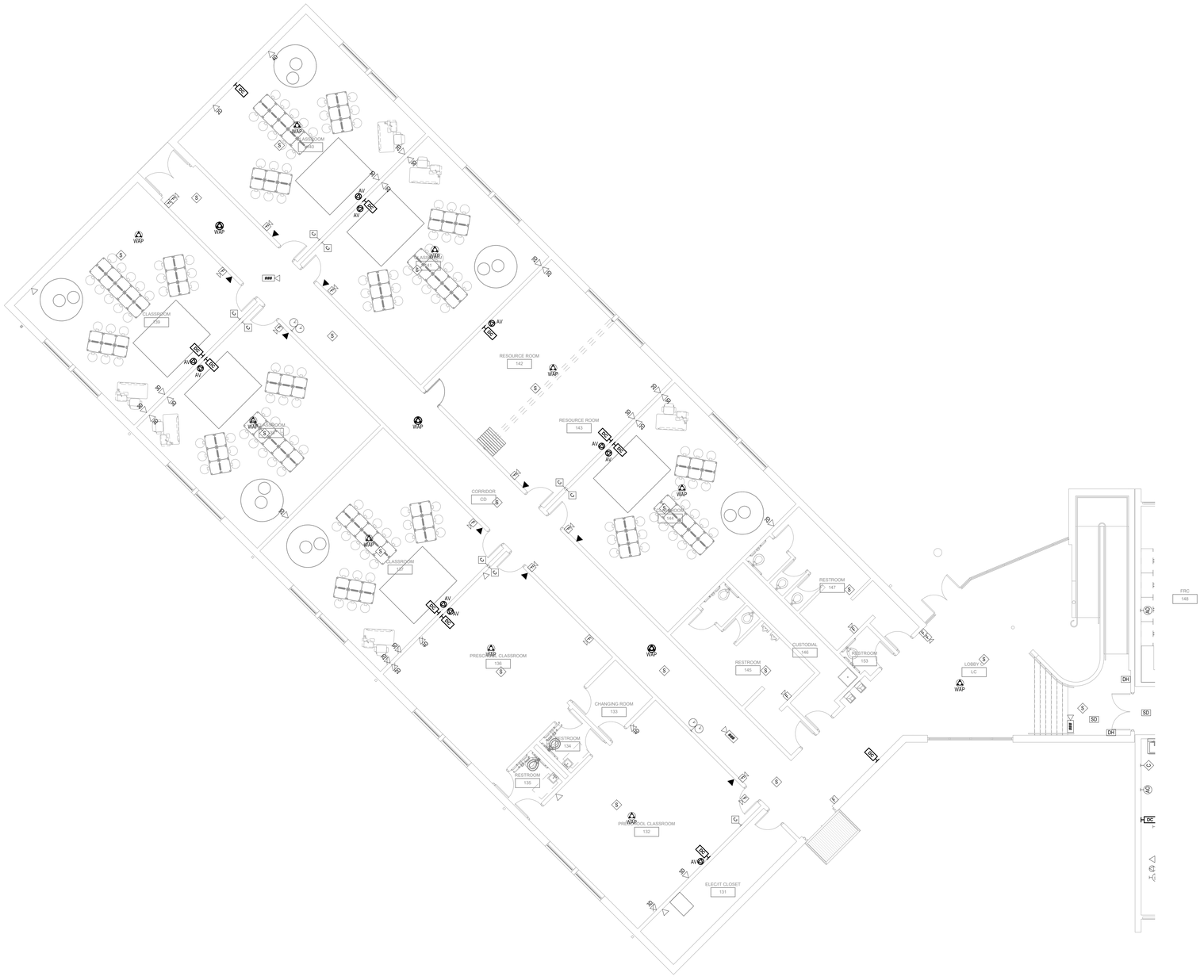
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E6.1

ELECTRICAL SYSTEMS - AREA B - NEW WORK
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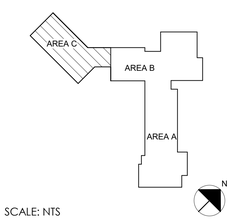
PARTIAL FLOOR PLAN - ELECTRICAL SYSTEMS - AREA C - NEW WORK

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

KEY PLAN



SCALE: NTS

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ELECTRICAL SYSTEMS - AREA C - NEW WORK
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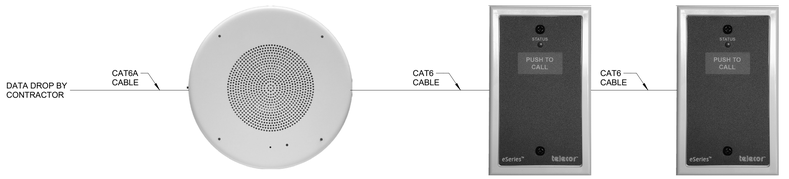
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ELECTRICAL SYSTEMS - AREA C - NEW WORK
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1 INTERCOM WIRING DIAGRAM
SCALE: NONE

TAGGED NOTES (#)

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ELECTRICAL DETAILS

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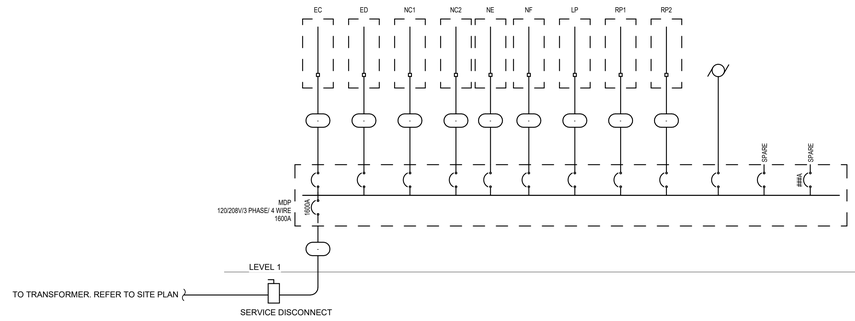
E7.0

ELECTRICAL DETAILS

DATE ISSUED:
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1 ELECTRICAL ONE-LINE
SCALE: NONE

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ELECTRICAL ONE-LINE
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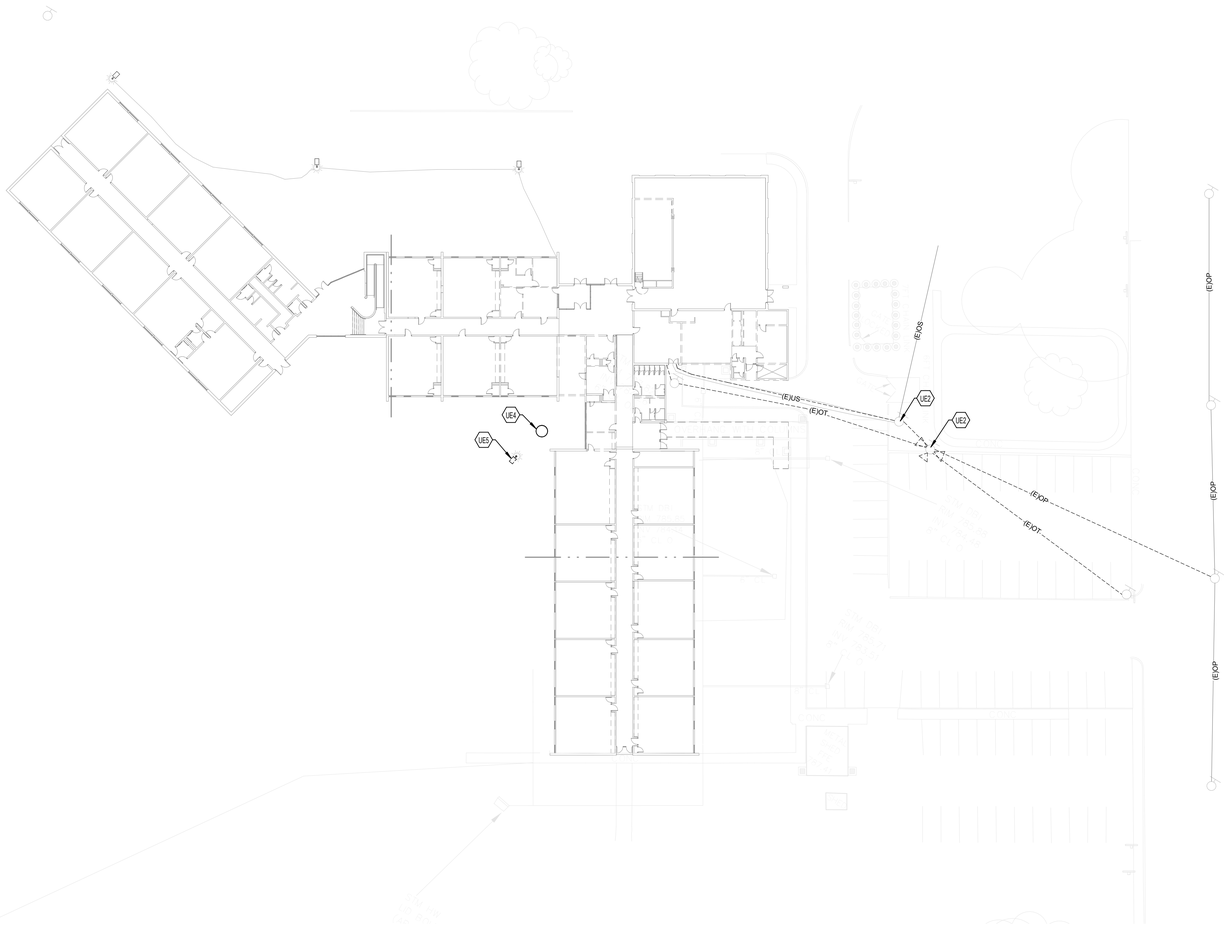
E7.1

ELECTRICAL ONE-LINE

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1 ELECTRICAL SITE - DEMOLITION
SCALE: 1" = 30'-0"
0 15' 30' 60' 90' 120'

TAGGED NOTES

UE2	EXISTING POLE TO BE DEMOLISHED BY KENTUCKY UTILITIES. CONTRACTOR TO COORDINATE DEMOLITION WITH PROJECT PHASING.
UE4	EXISTING POLE MOUNTED ANTENNA TO BE DEMOLISHED. REMOVE ALL CABLING. ANTENNA IS NO LONGER USED.
UE5	EXISTING AREA LIGHT POLE TO BE DEMOLISHED. REMOVE ALL WIRING BACK TO THE SOURCE.

SITE UTILITIES LEGEND

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

UTILITY COMPANY CONTACTS:

POWER:		
KENTUCKY UTILITIES	ROB LOYALTY	859.936.3240
TELEPHONE:		
SPECTRUM	JERRY KUNTZ	812.646.2508

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

BEFORE YOU DIG

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

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ELECTRICAL SITE UTILITIES - DEMOLITION
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p 859.253.0892

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

BG#

Project No: 0000
Drawn By: ILA
Rev'd By: GMB

SHEET RELEASE

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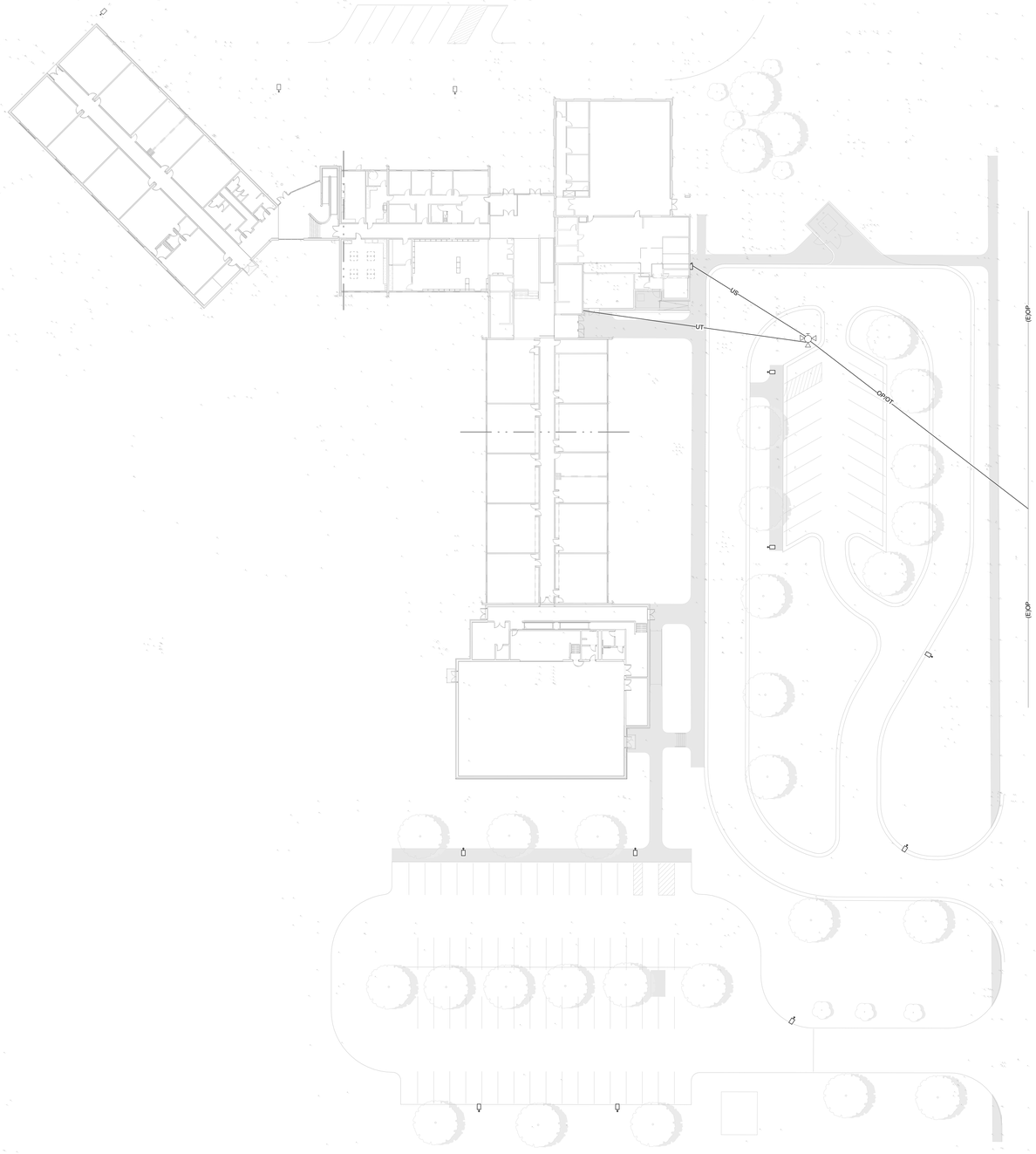
Project Status

EU1.0

ELECTRICAL SITE UTILITIES - DEMOLITION
DATE ISSUED:
5/4/22

REVISIONS

#	DATE	DESCRIPTION



1 ELECTRICAL SITE UTILITIES - NEW WORK
SCALE: 1" = 30'-0"
0 15' 30' 60' 90' 120'

TAGGED NOTES ##

SITE UTILITIES LEGEND

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

UTILITY COMPANY CONTACTS:

POWER:		
KENTUCKY UTILITIES	ROB LOYALTY	859.936.3240
TELEPHONE:		
SPECTRUM	JERRY KUNTZ	812.646.2508

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

BEFORE YOU DIG

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

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

NOT FOR CONSTRUCTION

ELECTRICAL SITE UTILITIES - NEW WORK
LEBANON ELEMENTARY SCHOOL RENOVATION & ADDITION
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
2429 Members Way
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p 859.253.0892
Structural Engineer:
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BG#

Project No:	0000
Drawn By:	Author
Rev'd By:	Checker

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Project Status

EU2.0

ELECTRICAL SITE UTILITIES - NEW WORK
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