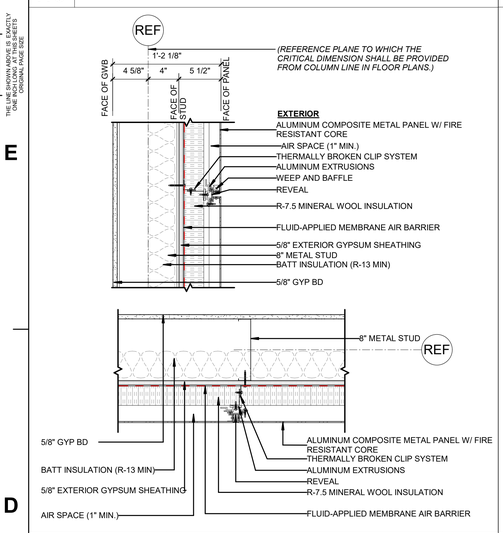
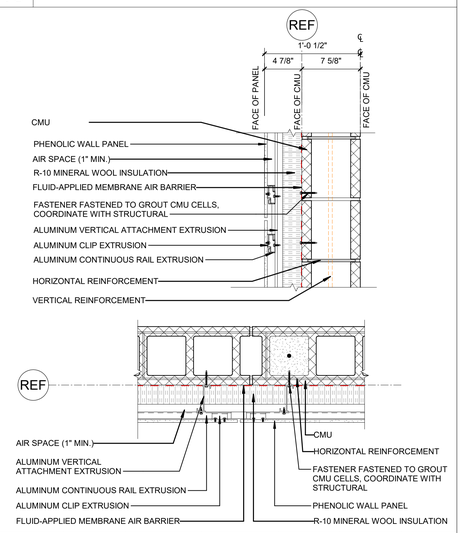
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE SHEETS

W3 METAL PANEL / CI / METAL STUD

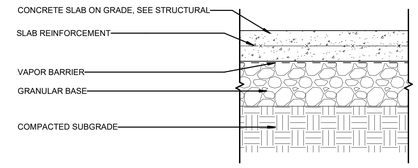


FIRE RATING & REFERENCE			SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	R-17.60 (R-15 @ 3 1/2" BATT)

W6 PHENOLIC PANEL / CI / CMU BACKUP WALL

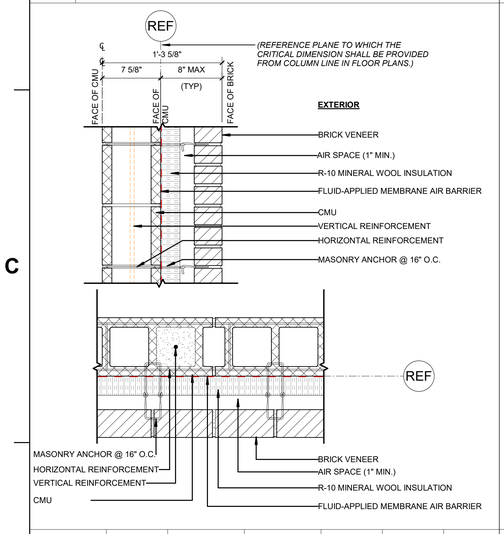


FIRE RATING & REFERENCE			SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	



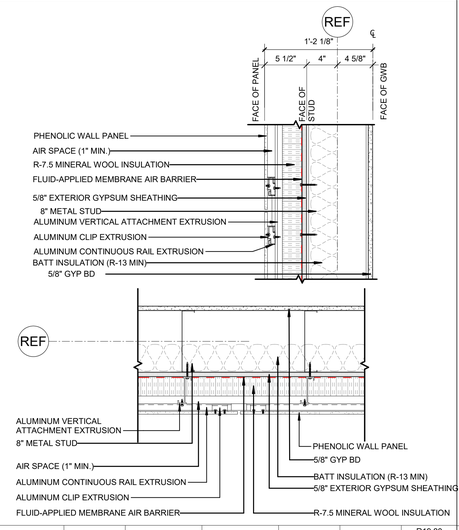
S1 - CONCRETE SLAB ON GRADE

W2 BRICK VENEER / CI / CMU BACK UP WALL



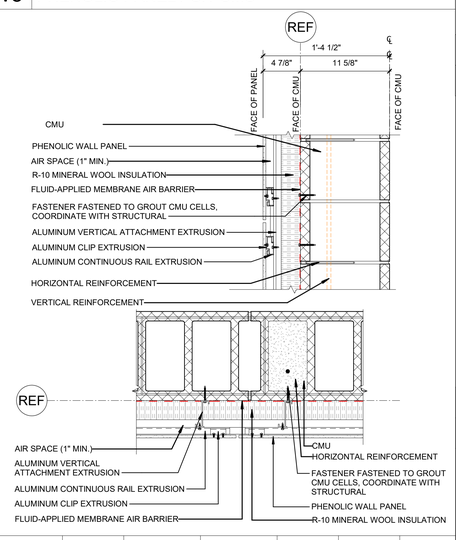
FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE	STC 53 TMS 0302-12	EFFECTIVE R-VALUE	R-12.81

W5 PHENOLIC PANEL / CI / METAL STUD BACKUP WALL

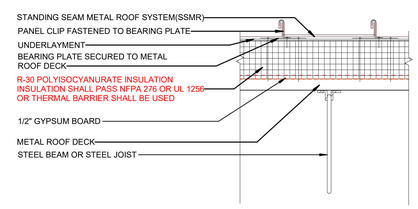


FIRE RATING & REFERENCE			SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	R19.80 (R-15 @ 3 1/2" BATT)

W8 PHENOLIC PANEL / CI / CMU



FIRE RATING & REFERENCE			SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	

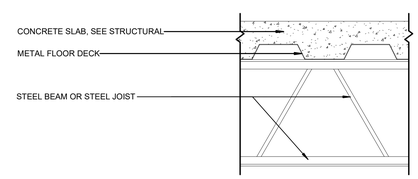


FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	R-30.6

R1 - MODIFIED BITUMEN / INSULATED CONC. MTL DECK

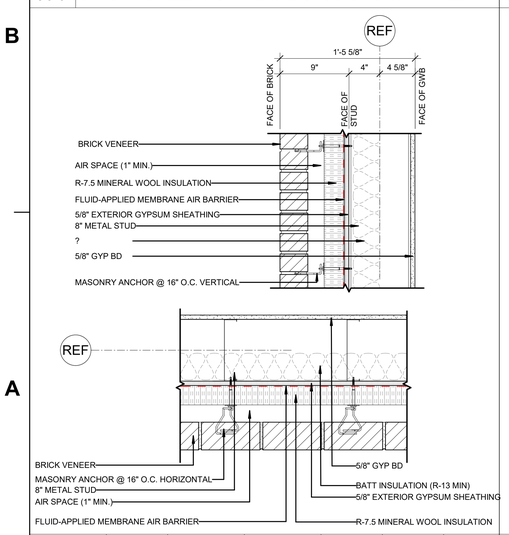
FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	R-30.1

R2 - METAL PANEL(SSMR) / METAL DECK (NC)



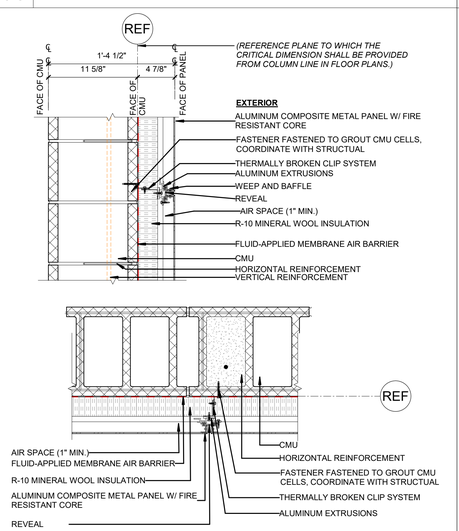
F1 - CONC. MTL DECK / STEEL JOIST FRAMING (NC)

W1 BRICK VENEER / CI / METAL STUD BACKUP WALL



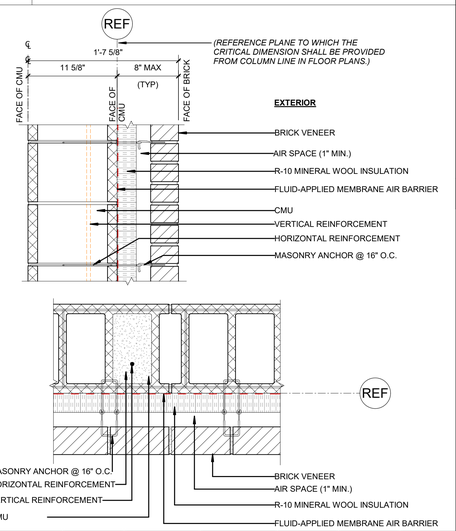
FIRE RATING & REFERENCE			SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	R19.80 (R-15 @ 3 1/2" BATT)

W4 METAL PANEL / CI / CMU



FIRE RATING & REFERENCE			SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	R-12.00

W7 BRICK VENEER / CI / CMU BACK UP WALL



FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE	STC 53 TMS 0302-12	EFFECTIVE R-VALUE	R-12.81

1 2 3 4 5 6

Wake County Public School System

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

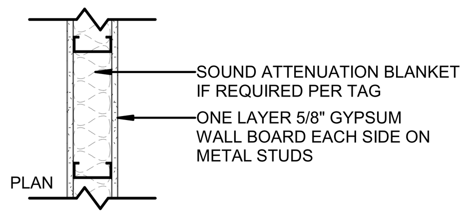
SHEET NAME:
CONSTRUCTION SUBSYSTEMS

BID SET SUBMISSION: 2024.04.10

SHEET:
A00.01

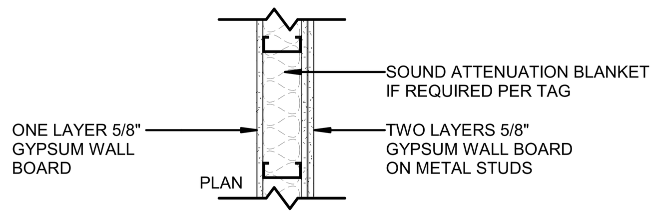
BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE



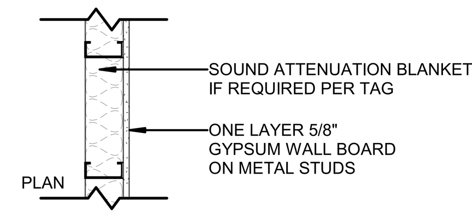
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL
3A	3-5/8"	4 7/8"				D6 / A00.20
3AD	3-5/8"	4 7/8"				A6 / A00.20
6A	6"	7 1/4"				D6 / A00.20
6AD	6"	7 1/4"				A6 / A00.20
6ADS	6"	7 1/4"				B6 / A00.20
6A1D	6"	7 1/4"	1	U419		A5 / A00.20
8A	8"	9 1/4"				D6 / A00.20
8AD	8"	9 1/4"				A6 / A00.20
8ADS	8"	9 1/4"				B6 / A00.20

A METAL STUD - ONE LAYER
1" = 1'-0"



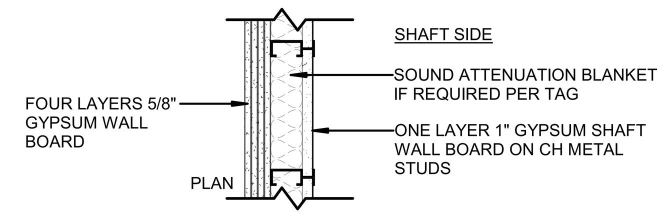
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

B METAL STUD - ONE/TWO LAYERS
1" = 1'-0"



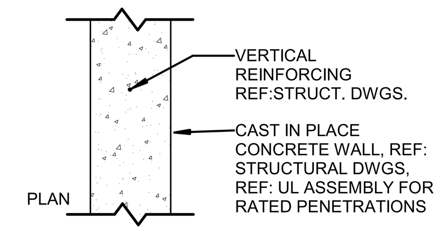
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL
1F	1-5/8"	2 1/4"				D6 / A00.20
2F	2-1/2"	3 1/8"				D6 / A00.20
2FD	2-1/2"	3 1/8"				A6 / A00.20
3F	3-5/8"	4 1/4"				D6 / A00.20
3F	3-5/8"	4 1/4"				D6 / A00.20
3FD	3-5/8"	4 1/4"				A6 / A00.20
3FDS	3-5/8"	4 1/4"				B6 / A00.20
6F	6"	6 5/8"				D6 / A00.20
6F	6"	6 5/8"				D6 / A00.20
6FD	6"	6 5/8"				A6 / A00.20
6FDS	6"	6 5/8"				B6 / A00.20
8F	8"	8 5/8"				D6 / A00.20

F METAL STUD FURRED - ONE LAYER
1" = 1'-0"



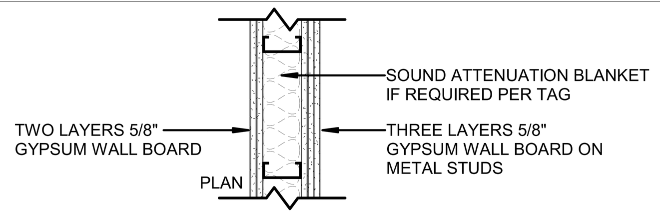
TAG	CH STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

S METAL STUD SHAFT - FOUR LAYERS
1" = 1'-0"



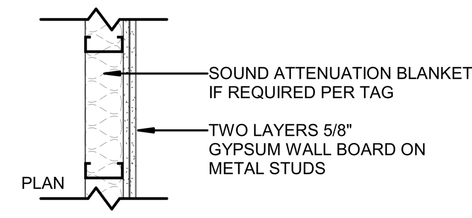
TAG		OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL
8T	8"	8"				
8T	8"	8"				
17T2	17"	17"	2	722.2.1.1		

T CAST-IN-PLACE CONCRETE
1" = 1'-0"



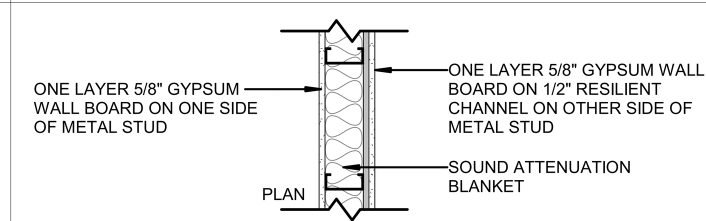
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

B METAL STUD - TWO/THREE LAYERS
1" = 1'-0"



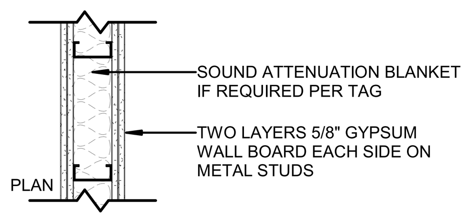
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

F METAL STUD FURRED - TWO LAYERS
1" = 1'-0"



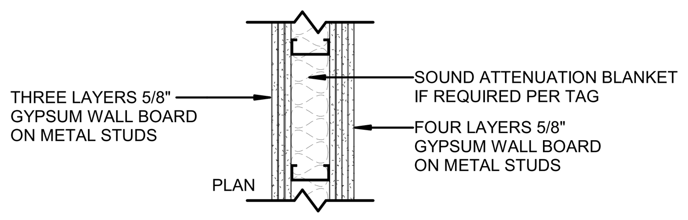
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

R METAL STUD RESILIENT - ONE LAYER
1" = 1'-0"



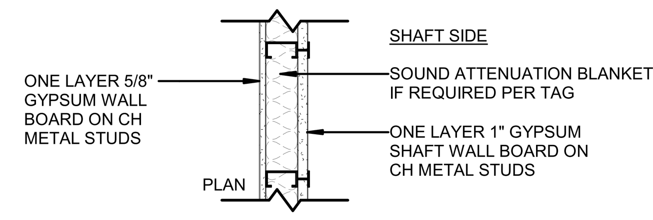
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL
6AZDS	6"	8 1/2"				B6 / A00.20

A METAL STUD - TWO LAYERS
1" = 1'-0"



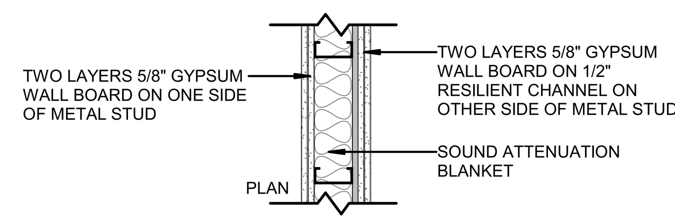
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

B METAL STUD - THREE/FOUR LAYERS
1" = 1'-0"



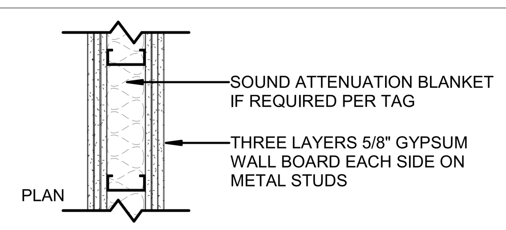
TAG	CH STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

S METAL STUD SHAFT - ONE LAYER
1" = 1'-0"



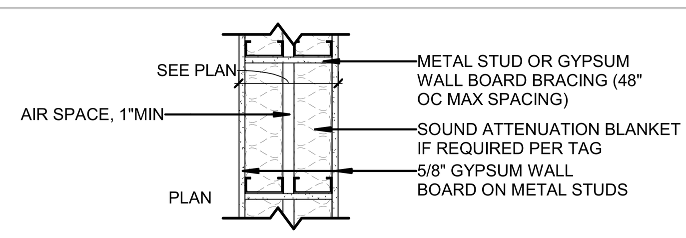
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

R METAL STUD RESILIENT - TWO LAYERS
1" = 1'-0"



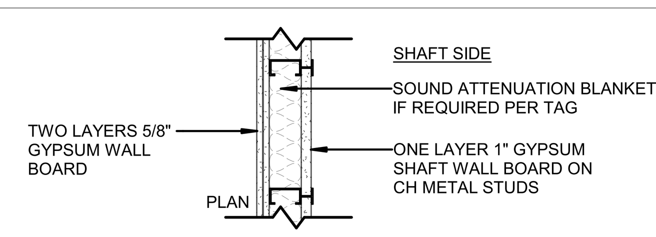
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

A METAL STUD - THREE LAYERS
1" = 1'-0"



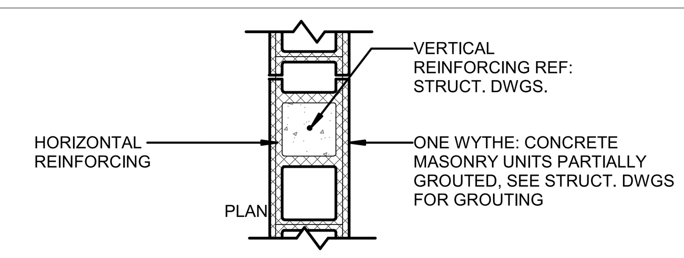
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL
3CDS	3-5/8"	9 1/4"		U493	60	B6 / A00.20

C METAL STUD CHASE - ONE LAYER
1" = 1'-0"



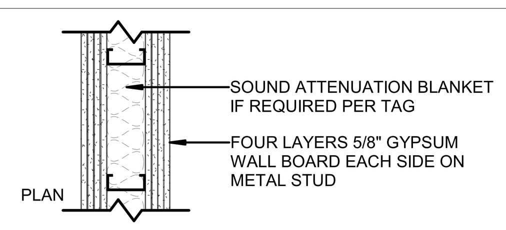
TAG	CH STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

S METAL STUD SHAFT - TWO LAYERS
1" = 1'-0"



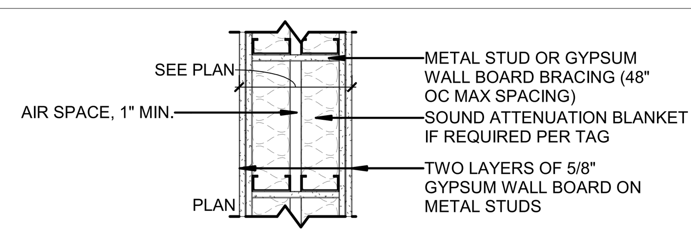
TAG	BLOCK SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL
8M	7-5/8"	7 5/8"				C5 / A00.20
8MD	7-5/8"	7 5/8"				C6 / A00.20
8M1D	7-5/8"	7 5/8"	1	722.3.2		C4 / A00.20
8M2	7-5/8"	7 5/8"	2	722.3.2		C4 / A00.20
8M2D	7-5/8"	7 5/8"	2	722.3.2		C4 / A00.20
12M	11-5/8"	11 5/8"				C5 / A00.20
12MD	11-5/8"	11 5/8"				C6 / A00.20

M CONCRETE MASONRY UNIT (CMU)
1" = 1'-0"



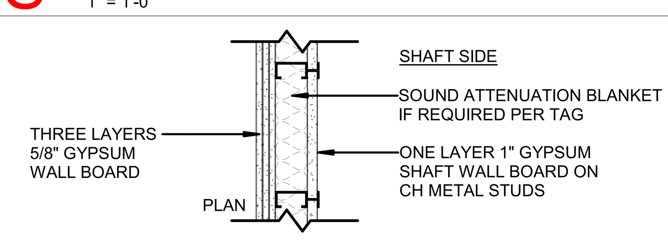
TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

A METAL STUD - FOUR LAYERS
1" = 1'-0"



TAG	STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL
3CDS	3-5/8"	9 1/4"		U493	60	B6 / A00.20

C METAL STUD CHASE - TWO LAYERS
1" = 1'-0"



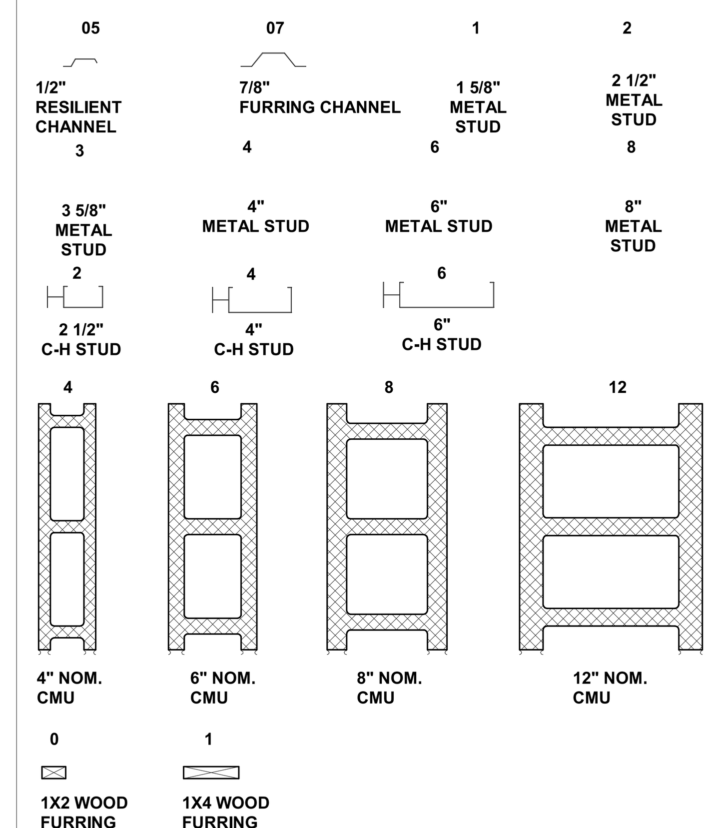
TAG	CH STUD SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC	HEAD DETAIL

S METAL STUD SHAFT - THREE LAYERS
1" = 1'-0"

PARTITION TAG KEY

PARTITION RATING (IF REQUIRED)
PARTITION TYPE
STUD/CMU SIZE
ADDITIONAL DESIGNATOR
3A1S

PARTITION MATERIAL & SIZE



PARTITION TYPES LEGEND

A - METAL STUD BALANCED WALL
B - METAL STUD UNBALANCED WALL
C - METAL STUD CHASE WALL
D - METAL STUD SECURE WALL
E - METAL STUD SECURE RESILIENT WALL
F - METAL STUD FURRED WALL
S - METAL STUD SHAFT WALL
R - METAL STUD RESILIENT SOUND WALL
M - CONCRETE MASONRY UNIT WALL
T - CONCRETE WALL
Z - TWO LAYERS OF GWB ON EACH SIDE FOR SOUND, NON - RATED

PARTITION FIRE RATING

30 - 30 MINUTES RATED FIRE PARTITION
1 - 1HR RATED FIRE BARRIER, UNLESS W/ DESIGNATOR "C,K,P"
2 - 2HR RATED FIRE BARRIER, UNLESS W/ DESIGNATOR "C,W"
3 - 3HR RATED FIRE WALL, UNLESS W/ DESIGNATOR "B"
4 - 4HR RATED FIRE WALL, UNLESS W/ DESIGNATOR "B"
5 - NOT RATED, SMOKE PARTITION

ADDITIONAL DESIGNATORS

B - FIRE BARRIER
C - FIRE/SMOKE BARRIER
W - FIRE WALL
P - FIRE PARTITION
K - SMOKE BARRIER
D - NON-RATED EXTEND TO DECK ABOVE
J - IMPACT RESISTANT GWB PARTITION
S - SOUND ATTENUATION BLANKET IN STUD WALL OR ACOUSTIC FILL IN CMU WALL, PARTITION SHALL EXTEND TO ADJACENT WALLS AND STRUCTURE ABOVE, PROVIDE ACOUSTICAL SEALANT AT BOTTOM, TOP AND SIDES
G - FULLY GROUTED CMU
H - HALF WALL OR PARTIAL HEIGHT WALL

PARTITION NOTES

1. ALL NON-DESIGNATED PARTITIONS SHALL BE 8AD
2. NON-RATED PARTITIONS, EXCEPT THOSE WITH "D" OR "S" DESIGNATOR, GWB SHALL EXTEND 6" ABOVE THE CEILING U.N.O.
3. NON-RATED SMOKE PARTITIONS SHALL EXTEND TO THE STRUCTURE ABOVE.
4. FIRE RATED PARTITIONS SHALL EXTEND TO THE STRUCTURE ABOVE, SEE UL DETAILS FOR ADDITIONAL REQUIREMENTS
5. TYPE "D,E,R" PARTITIONS SHALL EXTEND TO ADJACENT WALLS AND STRUCTURE ABOVE, PROVIDE ACOUSTICAL SEALANT AT BOTTOM, TOP, AND SIDES
6. AT WET AREAS, PROVIDE MOISTURE RESISTANT GWB OR MOLD & MOISTURE RESISTANT GWB AT NON-RATED PARTITIONS. PROVIDE FIRE RATED MOISTURE RESISTANT GWB OR FIRE RATED MOLD & MOISTURE RESISTANT GWB AT RATED PARTITIONS.
7. ON PARTITIONS RECEIVING WALL TILE (REFER TO FINISH SCHEDULE) PROVIDE CEMENTITIOUS BACKER BOARD BEHIND PORTIONS OF PARTITION RECEIVING TILE ONLY.
8. PROVIDE BULLNOSE AT ALL INTERIOR CMU OUTSIDE CORNERS, INCLUDING ALL DOOR, STOREFRONT AND WINDOW OPENINGS, AS WELL AS ALL PILASTERS AND COLUMNS. BEGIN BULLNOSE AT 8" ABOVE FLOOR AND WINDOW SILLS AND END BULLNOSE 1 COURSE BELOW CEILING FINISH U.N.O.

PARTITION TAG EXAMPLES

3A 3 5/8" METAL STUD, NON-RATED, GWB 6" ABOVE CLG
3AD 3 5/8" METAL STUD, NON-RATED, EXTEND TO DECK ABOVE
3AS 3 5/8" METAL STUD, NON-RATED W/ SOUND ATTENUATION
3A1K 3 5/8" METAL STUD, 1 HOUR RATED SMOKE BARRIER
3A1S 3 5/8" METAL STUD, 1 HOUR RATED FIRE BARRIER W/ SOUND ATTENUATION
3AZS 3 5/8" METAL STUD, NON-RATED, (2) LAYERS OF GWB EACH SIDE W/ SOUND ATTENUATION
3A3 3 5/8" METAL STUD, 3 HOUR RATED FIRE WALL
3A5 3 5/8" METAL STUD, NON RATED SMOKE PARTITION
4S2 4" C-H METAL STUD, 2 HOUR RATED FIRE BARRIER
6MS 6" NOM. CMU W/ ACOUSTIC FILL
8M 8" NOM. CMU, NON-RATED, MIN. COURSING ABOVE CLG
8M3 8" NOM. CMU, 3 HOUR RATED FIRE WALL
12MD 12" NOM. CMU, NON-RATED, EXTEND TO DECK ABOVE

Wake County Public School System

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WWW.LS3P.COM

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MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

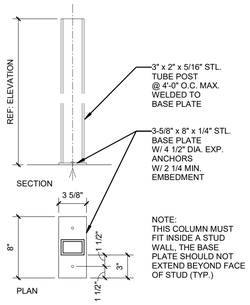
SHEET NAME:
PARTITION TYPES - METAL STUD, CMU AND CONCRETE

BID SET SUBMISSION: 2024.04.10

SHEET: A00.10

BID SET

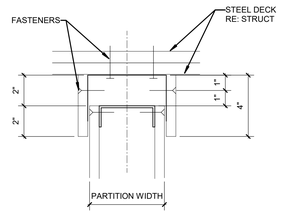
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



(PARTITION - FREE STANDING SUPPORT)

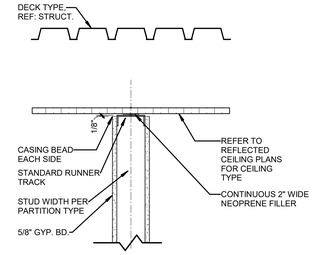
D3 FREE STANDING BASE

1 1/2" = 1'-0"



D4 EXPANSION HEAD

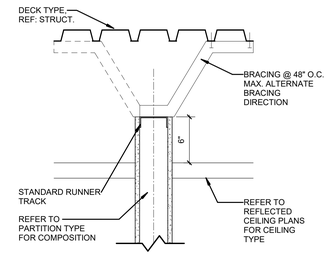
3" = 1'-0"



(PARTITION TERMINATED @ CEILING)

D5 HEAD TO CEILING

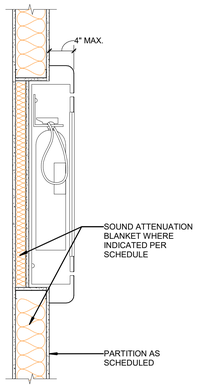
1 1/2" = 1'-0"



(PARTITION TERMINATED ABOVE CEILING)

D6 HEAD ABOVE CEILING

1 1/2" = 1'-0"

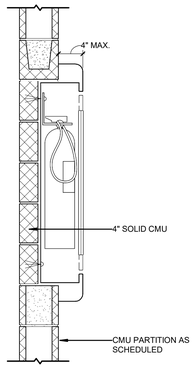


FIRE EXTINGUISHER NOTES:

- MOUNT EXTINGUISHER CABINET WITH EXTINGUISHER OPERATING MECHANISM BETWEEN 15"(MINIMUM) AND 48"(MAX.) ABOVE FINISH FLOOR
- INSTALL CABINET SO THAT THE TOP OF THE FIRE EXTINGUISHER IS NOT MORE THAN 4'-0" A.F.F (FOR EXTINGUISHERS WEIGHING LESS THAN 40 LBS.) NOR MORE THAN 3'-6" A.F.F. (FOR EXTINGUISHERS WEIGHING GREATER THAN 40 LBS.)
- CO-ORDINATE ROUGH OPENING WITH APPROVED FEC MANUFACTURER
- MAINTAIN FIRE RATING BEHIND CABINET WHERE REQUIRED. SEE FLOOR PLANS FOR FIRE RATED WALLS.

C1 FEC @ GWB PARTITION (SEMI)

1" = 1'-0"

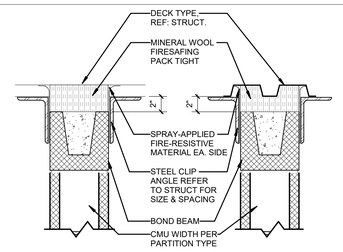


FIRE EXTINGUISHER NOTES:

- MOUNT EXTINGUISHER CABINET WITH EXTINGUISHER OPERATING MECHANISM BETWEEN 15"(MINIMUM) AND 48"(MAX.) ABOVE FINISH FLOOR
- INSTALL CABINET SO THAT THE TOP OF THE FIRE EXTINGUISHER IS NOT MORE THAN 4'-0" A.F.F (FOR EXTINGUISHERS WEIGHING LESS THAN 40 LBS.) NOR MORE THAN 3'-6" A.F.F. (FOR EXTINGUISHERS WEIGHING GREATER THAN 40 LBS.)
- COORDINATE ROUGH OPENING WITH APPROVED FEC MANUFACTURER
- MAINTAIN FIRE RATING BEHIND CABINET WHERE REQUIRED. SEE FLOOR PLANS FOR FIRE RATED WALLS.

C2 FEC @ RATED CMU PARTITION

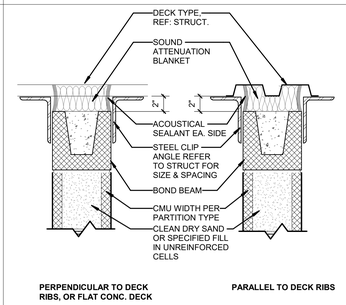
1" = 1'-0"



(CMU PARTITION EXPANSION @ DECK - FIRE RATED)

C4 HEAD TO DECK "2"

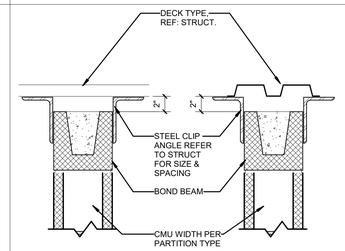
1 1/2" = 1'-0"



(CMU PARTITION EXPANSION @ DECK - ACOUSTIC RATED)

C5 HEAD TO DECK "2"

1 1/2" = 1'-0"



(CMU PARTITION EXPANSION @ DECK)

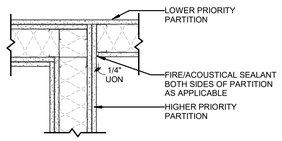
C6 HEAD TO DECK "2"

1 1/2" = 1'-0"

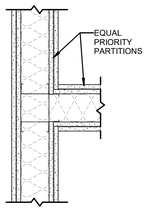
PARTITION PRIORITY LEGEND

3 HOUR SHAFTWALL	1 - HIGHEST
3 HOUR PARTITION	1
2 HOUR SHAFTWALL	2
2 HOUR PARTITION	2
1 HOUR SHAFTWALL	3
1 HOUR PARTITION	3
SMOKE PARTITION	4
NON-RATED PARTITION	5 - LOWEST

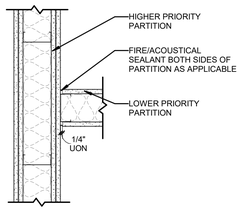
NOTE: MAINTAIN SHEATHING ON HIGHER PRIORITY WALL AT INTERSECTION WITH LOWER PRIORITY WALL AS INDICATED.



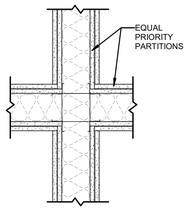
T INTERSECTION - UNEQUAL PRIORITY PARTITION



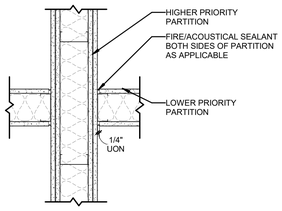
T INTERSECTION - EQUAL PRIORITY PARTITION



T INTERSECTION - UNEQUAL PRIORITY PARTITION



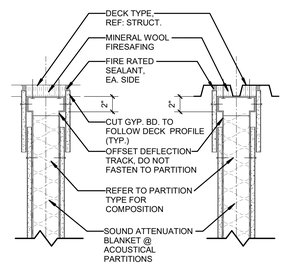
X INTERSECTION - EQUAL PRIORITY PARTITION



X INTERSECTION - UNEQUAL PRIORITY PARTITION

A1 PARTITION- INTERSECTION PRIORITY

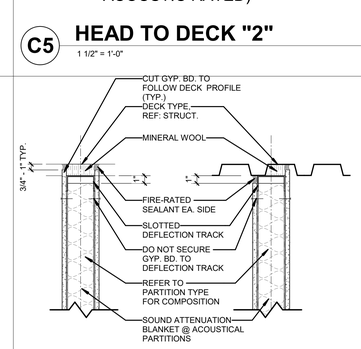
1 1/2" = 1'-0"



(PARTITION EXPANSION @ DECK - ACOUSTIC & FIRE RATED)

B4 HEAD TO DECK "2"

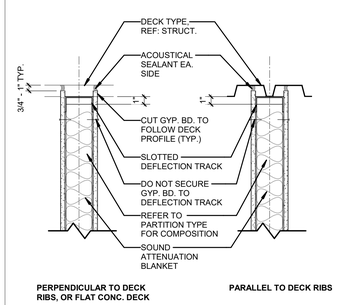
1 1/2" = 1'-0"



(PARTITION TO DECK - ACOUSTIC & FIRE RATED)

B5 HEAD TO DECK "1"

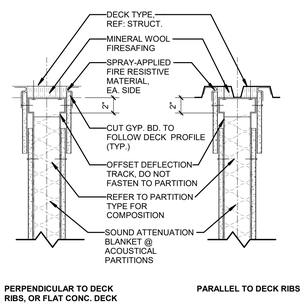
1 1/2" = 1'-0"



(PARTITION TO DECK - ACOUSTIC RATED)

B6 HEAD TO DECK "1"

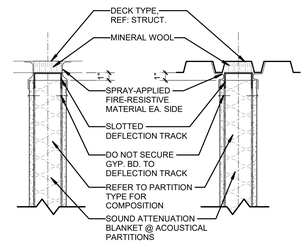
1 1/2" = 1'-0"



(PARTITION EXPANSION @ DECK - FIRE RATED & ACOUSTIC)

A4 HEAD TO DECK "2"

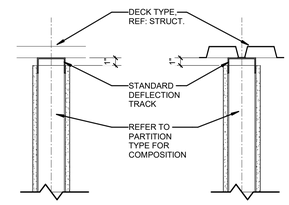
1 1/2" = 1'-0"



(PARTITION TO DECK - FIRE RATED & ACOUSTIC)

A5 HEAD TO DECK "1"

1 1/2" = 1'-0"



(PARTITION TO DECK)

A6 HEAD TO DECK "1"

1 1/2" = 1'-0"

Wake County Public School System

LS3P

434 FAYETTEVILLE STREET SUITE 1700
RALEIGH, NORTH CAROLINA 27601
TEL. 919.829.2700 FAX. 919.829.2730
WWW.LS3P.COM

LS3P ASSOCIATES LTD. REGISTERED ARCHITECTURAL COMPANY CERT. NO. 50417 NORTH CAROLINA RALEIGH, NORTH CAROLINA

MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
PARTITION DETAILS

BID SET SUBMISSION: 2024.04.10

SHEET: **A00.20**

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

Fire-resistance Ratings - ANSI/UL 263

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

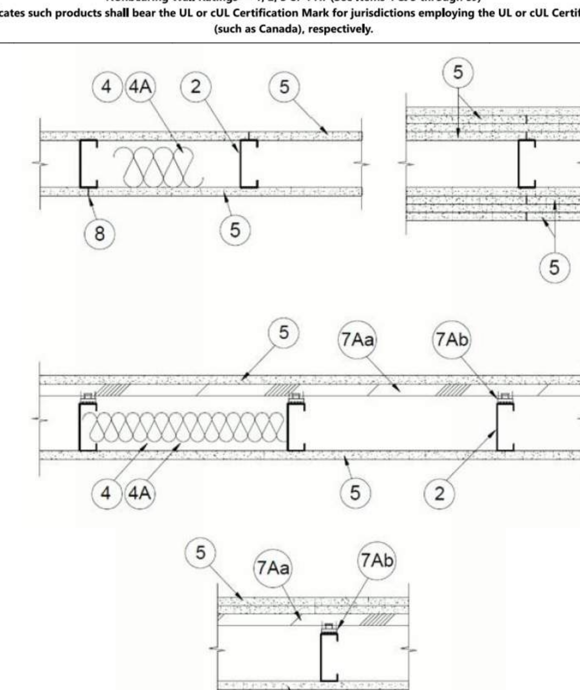
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. **U419**

September 5, 2022

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J)
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1B. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1D. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1F. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
SUPER STUD BUILDING PRODUCTS — The Edge

1G. **Framing Members* — Floor and Ceiling Runner —** For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.
STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

1K. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1L. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1M. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2O, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
OEG BUILDING MATERIALS — OEG Track

1O. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

2. **Steel Studs —** Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Steel Studs —** (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J or Type ULIX) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. **Framing Members* - Steel Studs —** (As an alternate to Item 2, For use with Items 5C, 5I or Type ULIX) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. **Framing Members* — Steel Studs —** In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2E. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or Type ULIX only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2F. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.
SUPER STUD BUILDING PRODUCTS — The Edge

2G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2I. **Framing Members* — Steel Studs —**

2J. **Framing Members* — Metal Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
EB METAL INC — NITROSTUD

2L. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2M. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2N. **Framing Members*— Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2O. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
OEG BUILDING MATERIALS — OEG Stud

2Q. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1O, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

3. **Wood Structural Panel Sheathing —** (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in.

at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets* —** (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.
See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4A. **Batts and Blankets* —** (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4B. **Fiber, Sprayed* —** (Optional, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

4C. **Foamed Plastic* —** (Where Batts and Blankets*, Item 4, are optional, for use with Item 5K) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in.

CARLISLE SPRAY FOAM INSULATION — Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

4D. **Foamed Plastic* —** (Where Batts and Blankets*, Item 4, are optional, for use with Item 5L) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness.

BASF CORP - Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, Walltite HP+, FE137®, FE158®, Spraytite® 158, Spraytite® SP and Spraytite® 81205

5. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Type C and 5/8 in. thick Type SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, **Steel Framing Members***, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.
CGC INC — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. **Gypsum Board* —** (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).
RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board* —** (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CGC INC — Type SCX, ULIX.

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.
CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX

USG MEXICO S A DE C V — Type USGX

5E. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5F. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX, ULIX

USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Types C and 5/8 in. thick SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. **Gypsum Board* —** (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.
CGC INC — Type ULIX, ULX

UNITED STATES GYPSUM CO — Type ULIX, ULX

USG MEXICO S A DE C V — Type ULX

5J. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5K. **Gypsum Board* —** (As an alternate to Item 5 when Foam Plastic insulation (Item 4C) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-5/8 in. long steel screws spaced 8 in. OC.

5L. **Gypsum Board* —** (As an alternate to Item 5 when oam last ns lat on (Item s se — An 5/8 n. th k, ft. w e, G ps m Boar ste n Item 5 above. Appl e vert all w th vert al jo nts entere over st s an staggere one st av t on oppos te s es of st s. G ps m panels se re to st s w th 1-1/ n. long T pe S steel s rews spa e 8 n. OC at per meter an n the f el . or 2 la er assembl es o ter la er w ll be atta he to st s over nner la er w th the 1-7/8 n. long steel s rews spa e 8 n. OC.

6. **Fasteners —** (Not Shown — or se w th Items 2 an 2 - T pe S or S-12 steel s rews se to atta h panels to st s (Item 2 or f rr ng hannels (Item 7 . **Single layer systems:** 1 n. long for 1/2 an 5/8 n. th k panels or 1-1/ n. long for 3/ n. th k panels, spa e 8 n. OC when panels are appl e hor zontall , or 8 n. OC along vert al an bottom e ges an 12 n. OC n the f el when panels are appl e vert all . **Single layer system with Type ULIX:** 1 n. long, spa e 12 n. OC n the f el an per meter, when panels are appl e hor zontall or vert all . **Two layer systems:** rst la er- 1 n. long for 1/2 an 5/8 n. th k panels or 1-1/ n. long for 3/ n. th k panels, spa e 16 n. OC. Se on la er- 1-5/8 n. long for 1/2 n., 5/8 n. th k panels or 2-1/ n. long for 3/ n. th k panels, spa e 16 n. OC w th s rews offset 8 n. from f rst la er. **Three-layer systems:** rst la er- 1 n. long for 1/2 n., 5/8 n. th k panels, spa e 2 n. OC. Se on la er- 1-5/8 n. long for 1/2 n., 5/8 n. th k panels, spa e 2 n. OC. Th r la er- 2-1/ n. long for 1/2 n., 5/8 n. th k panels or 2-5/8 n. long for 5/8 n. th k panels, spa e 12 n. OC. S rews offset m n 6 n. from la er below. **Four-layer systems:** rst la er- 1 n. long for 1/2 n., 5/8 n. th k panels, spa e 2 n. OC. Se on la er- 1-5/8 n. long for 1/2 n., 5/8 n. th k panels, spa e 2 n. OC. Th r la er- 2-1/ n. long for 1/2 n. th k panels or 2-5/8 n. long for 5/8 n. th k panels, spa e 2 n. OC. o rth la er- 2-5/8 n. long for 1/2 n. th k panels or 3 n. long for 5/8 n. th k panels, spa e 12 n. OC. S rews offset m n 6 n. from la er below.

7. **Furring Channels —** (Opt onal, Not Shown, for s ngle or o ble la er s stems — Res l ent f rr ng hannels fabr ate from m n 25 MSG orros on-prote te steel, spa e vert all a max of 2 n. OC. lange port on atta he to ea h nterse t ng st w th 1/2 n. long T pe S-12 steel s rews. Not for se w th Item 5A.

7A. **Framing Members* —** (Opt onal on one or both s es, not shown, for s ngle or o ble la er s stems — As an alternate to Item 7, f rr ng hannels an Steel ram ng Members as es r be below:
a. **Furring Channels —** orme of No. 25 MSG galv steel. 2-9/16 n. or 2-23/32 n. w e b 7/8 n. eep, spa e max. 2 n. OC perpen lar to st s. Channels se re to st s as es r be n Item b. G ps m boar atta he to f rr ng hannels as es r be n Item 6. Not for se w th Item 5A.

b. **Steel Framing Members* —** Use to atta h f rr ng hannels (Item 7Aa to st s (Item 2 . Cl ps spa e max. 8 n. OC. RSIC-1 an RSIC-1 (2.75 l ps se re to st s w th No. 8 x 1-1/2 n. m n m m self- r ll ng, S-12 steel s rew thro gh the enter grommet. RSIC-V an RSIC-V (2.75 l ps se re to st s w th No. 8 x 9/16 n. m n m m self- r ll ng, S-12 steel s rew thro gh the enter hole. rr ng hannels are fr t on f tte nto l ps. RSIC-1 an RSIC-V l ps for se w th 2-9/16 n. w e f rr ng hannels. RSIC-1 (2.75 an RSIC-V (2.75 l ps for se w th 2-23/32 n. w e f rr ng hannels.
PAC INTERNATIONAL L L C — T pes RSIC-1, RSIC-V, RSIC-1 (2.75 , RSIC-V (2.75 .

7B. **Framing Members* —** (Opt onal, Not Shown — As an alternate to Item 7, for s ngle or o ble la er s stems, f rr ng hannels an Steel ram ng Members on onl one s e of st s as es r be below:
a. **Furring Channels —** orme of No. 25 MSG galv steel, spa e 2 n. OC perpen lar to st s. Channels se re to st s as es r be n Item b. Batts an Blankets pla e n st av t as es r be n Item 5. Two la ers of g ps m boar atta he to f rr ng hannels as es r be n Item 5. Not for se w th Item 5A.

b. **Steel Framing Members* —** Use to atta h f rr ng hannels (Item 7Ba to one s e of st s (Item 2 onl . Cl ps spa e 8 n. OC., an se re to st s w th two No. 8 x 2-1/2 n. oarse r wall s rews, one thro gh the hole at ea h en of the l p. rr ng hannels are fr t on f tte nto l ps.
KINETICS NOISE CONTROL INC — T pe Isomax

7C. **Framing Members* —** (Not Shown — (Opt onal on one or both s es, not shown, for s ngle or o ble la er s stems — As an alternate to Item 7, f rr ng hannels an Steel ram ng Members as es r be below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PLITEQ INC — Type GENIECLIP

7D. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Eb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

7F. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel Framing Members as described below:
a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7G. **Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ga) to studs (Item 2). Clips spaced max. 48 in. OC. Clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

8. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco —** (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants* —** (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO — Type AS

11. **Lead Batten Strips —** (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. **Lead Batten Strips —** (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs —** (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs —** (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

13. **Lead Batten Strips —** (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs —** (Not Shown, For Use With Item 5E) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

15. **Barrier Mesh —** (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 5) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier

Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center.
CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2022-09-05

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A1 FIRE RATED ASSEMBLY- UL263- U419
12" = 1'-0"

Wake County Public School System

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Swift Creek Elementary School
5601 Tryon Rd Raleigh, NC 27606
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME: UL ASSEMBLIES

BID SET SUBMISSION: 2024.04.10

SHEET: A00.30

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

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UL Solutions

BXUV.U493 - Fire-resistance Ratings - ANSI/UL 263

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- Authorities Having Jurisdiction should be consulted before construction.
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- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
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Fire-resistance Ratings - ANSI/UL 263

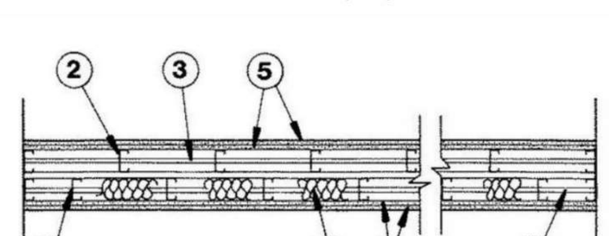
BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. **U493**

June 6, 2022

Nonbearing Wall Rating — 1 or 2 Hr. (See Items 5, 5A, 5B)
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



HORIZONTAL SECTION

1. **Floor and Ceiling Runners** — (For use with Item 5 and 5A) — Channel shaped, attached to floor and ceiling in two rows, a min 1 in. apart, with steel fasteners spaced 24 in. OC. Runners fabricated from min No. 25 MSG galv steel, 1-1/4 in. wide and 2-1/2 in. deep.

1A. **Floor and Ceiling Runners** — (As an alternate to Item 1, For use with Item 5B and 5C) — Channel shaped, attached to floor and ceiling in two rows, a min 1 in. apart. Runners fabricated from min No. 20 MSG galv steel, 1-3/16 in. wide and 2-9/16 in. deep.

1B. **Framing Members* — Floor and Ceiling Runners** — (Not shown for use with Item 2B) — As an alternate to Item 1 - Channel shaped, min. 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1C. **Framing Members* — Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 for a 2 hour rating only — For use with Item 2C, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1D. **Framing Members* — Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 - For use with Item 2D, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1E. **Framing Members* — Floor and Ceiling Runners** — (Not Show

n) — As an alternate to Item 1 for a 2 hour rating only - For use with Item 2E, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

1F. **Framing Members* — Floor and Ceiling Runners** — Not Shown — As an alternate to Item 1 for use with Item 2F, proprietary channel shaped, min. 3-1/2 in. wide, fabricated from min. 0.018 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1G. **Framing Members* — Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 for use with Item 2G and for a 2 hour rating only. Channel shaped, min. 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D25

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D25

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D25

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D25

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D25

TELLING INDUSTRIES L L C — Type SUPREME D25

UNITED METAL PRODUCTS INC — Type SUPREME D25

2. **Steel Studs** — (For use with Item 5 and 5A) — Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 24 in. OC. Studs cut 1/2 in. less than assembly height and evenly staggered between the two rows of floor and ceiling runners. Studs fabricated from min No. 25 MSG galv steel, min 2-1/2 in. deep by 1-5/8 in. wide with 3/8 in. folded back return flange legs.

2A. **Steel Studs** — (As an alternate to Item 2, For use with Items 5B, 5C, 5E, and 5F) — Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 16 in. OC. Studs cut 1/2 in. less than assembly height and staggered flush against the floor runners. Studs fabricated from min No. 20 MSG galv steel, min 2-1/2 in. deep x 1-5/8 in. wide x 3/8 in. folded back return flange legs.

2B. **Framing Members* — Steel Studs** — As an alternate to Item 2 — Channel shaped studs, min. 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

OLMAR SUPPLY INC — PRIMESTUD

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2C. **Framing Members* — Steel Studs** — As an alternate to Item 2 for a 2 hour rating only — For use with Item 1C, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2D. **Framing Members* — Steel Studs** — As an alternate to Item 2 — For use with Item 1D, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2E. **Framing Members* — Steel Studs** — As an alternate to Item 2 for a 2 hour rating only — For use with Item 1E, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2F. **Framing Members* — Steel Studs** — As an alternate to Item 2, for use with Item 1F, proprietary channel shaped studs, min. 3-1/2 in. wide, fabricated from min. 0.018 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2G. **Framing Members* — Steel Studs** — As an alternate to Item 2 for use Item 1G and for a 2 hour rating only — Channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D25

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D25

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D25

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D25

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D25

TELLING INDUSTRIES L L C — Type SUPREME D25

UNITED METAL PRODUCTS INC — Type SUPREME D25

3. **Lateral Bracing** — The bracing shall be in accordance with the SSMA Technical Note Dated March 2000 Referencing Unsheathed Flange Bracing.

3A. **Lateral Bracing** — (Not Shown) — Right angle- shaped, supplied with notches spaced 12, 16, or 24 in. OC., friction-fitted to the cutouts in steel studs, supplied in 7/8 in. by 7/8 in. by 50 in. lengths. Lateral bracing bars fabricated from min. 20 MSG galvanized steel. The bracing shall be located a maximum of 5 ft on center in accordance with the manufacturers published literature.
CLARKDIETRICH BUILDING SYSTEMS — TradeReady Spazzer 9200 bar

4. **Batts and Blankets** — Optional — Glass fiber batts may be friction-fitted to completely fill the stud cavities on one or both rows of studs.
See **Batts and Blankets** Category (BZJZ) for names of manufacturers.

4A. Deleted.

4B. **Foamed Plastic* —(Optional)** — Not Shown — As an alternate to Item 4. For use with Item 5I. Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in.

CARLISLE SPRAY FOAM INSULATION — Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

5. **Gypsum Board*** — Nom 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Single layer installed on each side of the steel studs for the 1-hr system, two layers installed on each side of the studs for the 2-hr system. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (2-hr system) staggered one stud cavity. Horizontal edge joints and horizontal butt joints need not be backed by framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (2-hr system) staggered a minimum of 6 in. Horizontal edge joints and horizontal butt joints in adjacent layers (2-hr system) need not be staggered with Type ULIX. For the single layer system: panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when applied vertically. For the single layer system with ULIX, panels attached to steel studs and floor runners with 1 in. long Type S screws spaced 12 in. OC when applied vertically or horizontally. Horizontal joints need not be staggered on opposite sides of studs. For the double layer system: base layer panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 16 in., face layer panels attached to steel studs and floor runner with 1-5/8 in. long Type S steel screws spaced 12 in. When used in widths other than 48 in., gypsum panels to be installed horizontally.
When **Steel Framing Members*** (Item 7 or any alternate clips) are used: For the 1-hr system, gypsum panels attached vertically to furring channels with 1 in. long Type S-12 screws spaced 12 in. OC. Vertical joints offset min 12 in. from layer on other side of wall. For the 2-hr system, inner layer of gypsum panels attached vertically to furring channels with 1 in. Type S-12 screws spaced 16 in. OC, outer layer with 1-5/8 in. Type S-12 screws spaced 12 in. OC. Inner layer to be applied vertically. Outer layer to be applied vertically with joints offset a minimum 12 in. from inner layer joints.

CGC INC — Type SCX, SHX, IP-X1, WRX, AR, IP-AR, C, WRC, IP-X2, IPC-AR, ULIX, USGX (Joint tape and compound, Item 6, optional for use with Type USGX)

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, USGX, WRX, WRC (Joint tape and compound, Item 6, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX (Joint tape and compound, Item 6, optional for use with Type USGX)

USG MEXICO S A DE C V — Type SCX, SHX, IP-X1, WRX, AR, IP-AR, C, WRC, IP-X2, or IPC-AR, USGX (Joint tape and compound, Item 6, optional for use with Type USGX)

5A. **Gypsum Board*** — (As an alternate to Item 5) — Single layer installed on each side of the steel studs for the 1-hr system, two layers installed on each side of the studs for the 2-hr system. Nom 3/4 in. thick, 4 ft wide, installed as described in Item 5 with screw length increased to 1-1/4 in. for base layer (or for 1 hr. configuration) 2-1/4 in. for face layer.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

5B. **Gypsum Board*** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only) — Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over min 20 MSG galvanized steel studs and staggered min 1 stud cavity on opposite sides of studs. See Item 2A.

Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 8) or Lead Discs or Tabs (see Item 9).
RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board*** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only) — Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5D. **Gypsum Board*** — (As an alternate to Item 5, not for use with Items 1C and 2C) — Nom. 5/8 in. thick, 4 ft. wide gypsum panels with beveled, square or tapered edges installed as described in Item 5.
CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5E. **Gypsum Board*** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over min 20 MSG galvanized steel studs and staggered min 1 stud cavity on opposite sides of studs. See Item 2A. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5F. **Gypsum Board*** — (As an alternate to Items 4) — For Direct Application to studs Only — For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D". Fasteners for face layer gypsum panels (Items 5) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 5.
MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

5G. Deleted.

5H. **Gypsum Board*** — Nom 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Single layer installed on each side of the steel studs for the 1-hr system, two layers installed on each side of the studs for the 2-hr system. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (2-hr system) staggered one stud cavity. Horizontal edge joints and horizontal butt joints need not be backed by framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (2-hr system) staggered a minimum of 6 in. For the single layer system: panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when applied vertically. For the double layer system: base layer panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 16 in., face layer panels attached to steel studs and floor runner with 1-5/8 in. long Type S steel screws spaced 12 in. When used in widths other than 48 in., gypsum panels to be installed horizontally.
When **Steel Framing Members*** (Item 7-7B) are used: For the 1-hr system, gypsum panels attached vertically to furring channels with 1 in. long Type S-12 screws spaced 12 in. OC. Vertical joints offset min 12 in. from layer on other side of wall. For the 2-hr system, inner layer of gypsum panels attached vertically to furring channels with 1 in. Type S-12 screws spaced 16 in. OC, outer layer with 1-5/8 in. Type S-12 screws spaced 12 in. OC. Inner layer to be applied vertically. Outer layer to be applied vertically with joints offset a minimum 12 in. from inner layer joints.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR.

5I. **Gypsum Board*** — (For use when Foam Plastic insulation (Item 4B) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-5/8 in. long steel screws spaced 8 in. OC. All joints in outer layers staggered from joints in inner layers.

6. **Joint Tape and Compound** — (Not Shown) — Outer layer joints covered with joint compound and paper or mesh tape. Screw heads covered with joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

7. **Steel Framing Members*** — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 5. May not be used with items 5B, 5C, 5E or 5F.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7a) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

7A. **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 5. May not be used with items 5B, 5C, 5E or 5F.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Aa) to studs. Clips spaced 48 in. OC., and secured to studs 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

7B. **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 5. May not be used with Items 5B, 5C, 5E, or 5F.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ba) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

7C. **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 7) — Resilient channels and Steel Framing Members as described below:

a. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. May not be used with Items 5B, 5C, 5E, or 5F.

b. **Steel Framing Members*** — Used to attach resilient channels (Item 7Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7D **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:
a **Furring Channels** — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 5.

b **Steel Framing Members*** — Used to attach furring channels (Item 7Da) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

8. **Lead Batten Strips** — (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

9. **Lead Discs or Tabs** — (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10. **Lead Batten Strips** — (Not Shown, For Use With Item 5C) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5C) and optional at remaining stud locations.

11. **Lead Tabs** — (Not Shown, For Use With Item 5C) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5C) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

12. **Wall and Partition Facings and Accessories*** — (Optional, Not Shown) — For use with Items 5 or 5A — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

13. **Barrier Mesh** — (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 5) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center.
CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2022-06-07

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A1 FIRE RATED ASSEMBLY- UL263- U493
12" = 1'-0"

Wake County Public School System

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MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School
5601 Tryon Rd Raleigh, NC 27606
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
UL ASSEMBLIES

BID SET SUBMISSION: 2024.04.10

SHEET:
A00.31

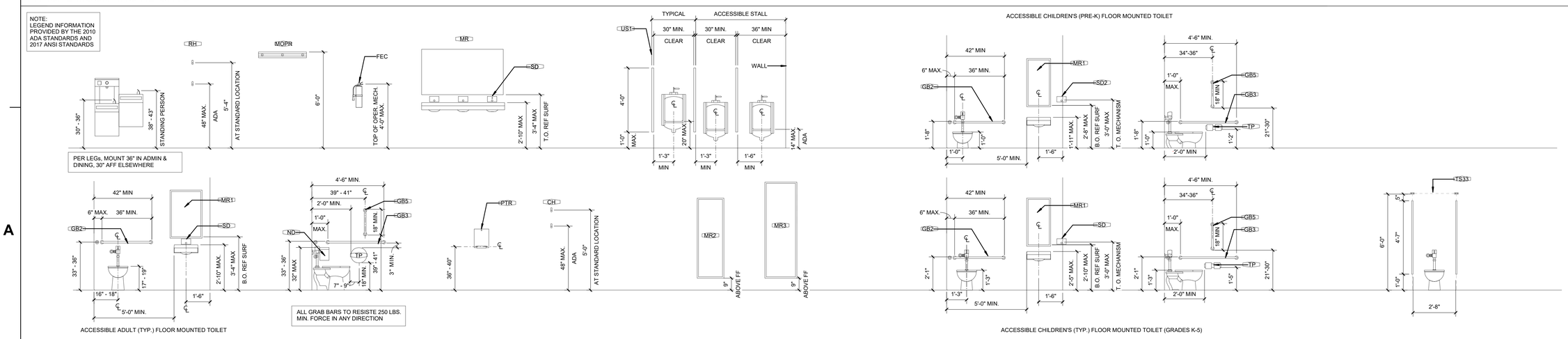
BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE SHEETS ORIGINAL PAPER SIZE

RESTROOM ACCESSORIES

TAG	DESCRIPTION	FURNISHED BY	INSTALLED BY	REMARKS
CH	COAT HOOK	CONTRACTOR	CONTRACTOR	LOCATED IN GROUP TOILET STALLS
GB2	GRAB BAR- HORIZONTAL- 36"	CONTRACTOR	CONTRACTOR	
GB3	GRAB BAR- HORIZONTAL- 42"	CONTRACTOR	CONTRACTOR	
GB5	GRAB BAR- VERTICAL- 18"	CONTRACTOR	CONTRACTOR	
MOPR	MOP AND BROOM HOLDER	CONTRACTOR	CONTRACTOR	
MR1	MIRROR- 18"W x 36"H	CONTRACTOR	CONTRACTOR	LOCATED ABOVE SINK AT STAFF TOILETS
MR2	MIRROR- 20"W X 60"H	CONTRACTOR	CONTRACTOR	LOCATED IN STUDENT GROUP, WOMENS, AND STAFF BATHROOMS
MR3	MIRROR- 24"W X 72"H	CONTRACTOR	CONTRACTOR	DOOR MOUNTED; LOCATED IN SPEECH THERAPY
ND1	SANITARY NAPKIN DISPOSAL	CONTRACTOR	CONTRACTOR	SURFACE MOUNTED
ND6	SANITARY NAPKIN DISPOSAL	CONTRACTOR	CONTRACTOR	SEMI-RECESSED
PTR	PAPER TOWEL DISPENSER	OWNER	CONTRACTOR	
RH	ROBE HOOK	CONTRACTOR	CONTRACTOR	
SD	SOAP DISPENSER	OWNER	CONTRACTOR	
SD2	SOAP DISPENSER, PRE-K	OWNER	CONTRACTOR	PREK OFCI
TP1	TOILET PAPER HOLDER	OWNER	CONTRACTOR	FOR NON-HANDICAPPED ACCESSIBLE TOILETS AND STALLS
TP5	TOILET PAPER HOLDER	CONTRACTOR	CONTRACTOR	FOR HANDICAPPED-ACCESSIBLE TOILETS, 2-ROLL, HEAVY-DUTY, CFCI
TS33M	TOILET STALL- MENS	OWNER	CONTRACTOR	
TS33W	TOILET STALL- WOMENS	OWNER	CONTRACTOR	
US1	URINAL SCREEN	OWNER	CONTRACTOR	

TYPICAL MOUNTING HEIGHTS



Wake County Public School System

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
ACCESSORY ITEM TYPES AND MOUNTING HEIGHTS

BID SET SUBMISSION: 2024.04.10

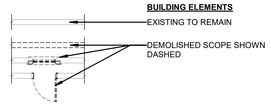
SHEET:
A00.40

BID SET

DEMOLITION NOTES BY NUMBER

NUMBER	NOTE
1	EXISTING TWO STORY CLASSROOM BUILDING TO BE DEMOLISHED, INCLUDING, BUT NOT LIMITED TO, ALL UTILITY CONNECTIONS, SERVICES, FOUNDATIONS, AND ARCHITECTURAL COMPONENTS.
2	EXISTING ONE STORY KINDERGARTEN CLASSROOM BUILDING TO BE DEMOLISHED, INCLUDING, BUT NOT LIMITED TO, ALL UTILITY CONNECTIONS, SERVICES, FOUNDATIONS, AND ARCHITECTURAL COMPONENTS.
3	EXISTING TWO STORY GYMNASIUM BUILDING TO BE DEMOLISHED, INCLUDING, BUT NOT LIMITED TO, ALL UTILITY CONNECTIONS, SERVICES, FOUNDATIONS, AND ARCHITECTURAL COMPONENTS.
4	1,300 SQUARE FEET OF EXISTING EXTERIOR BRICK TO BE SALVAGED FROM TWO STORY EXISTING 1950S GYMNASIUM BUILDING. AREAS OF SALVAGE TO BE SELECTED BY ARCHITECT. SALVAGED BRICK TO BE PLACED ON PALETTES AND WRAPPED AND RETURNED TO THE OWNER.
5	EXISTING MOBILE CLASSROOM BUILDING TO BE DEMOLISHED, INCLUDING, BUT NOT LIMITED TO, ALL UTILITY CONNECTIONS, SERVICES, FOUNDATIONS, AND ARCHITECTURAL COMPONENTS.
6	EXISTING BRICK SHED BUILDING TO BE DEMOLISHED, INCLUDING, BUT NOT LIMITED TO, ALL UTILITY CONNECTIONS, SERVICES, FOUNDATIONS, AND ARCHITECTURAL COMPONENTS.

DEMOLITION GRAPHICS



DEMOLITION PLAN SHEET NOTES

1. SEE G00.02 FOR SHEET-SPECIFIC GRAPHICS & SYMBOLS.
2. NUMBERED KEY NOTES DO NOT IMPLY SEQUENCE. CONTRACTOR TO PERFORM DEMOLITION WORK AS REQUIRED PER WORK SEQUENCE
3. DEMOLITION DRAWINGS ARE INTENDED TO SHOW GENERAL AREAS OF DEMOLITION AS WELL AS GENERAL EXISTING CONDITIONS. THEY DO NOT SHOW ALL WORK WHICH MAY BE NECESSARY. COMPARE WITH DRAWINGS INDICATING NEW CONSTRUCTION.
4. REFER TO OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON DEMOLITION. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING WORK TO REMAIN SHALL BE TEMPORARILY SECURED, BRACED, STABILIZED AND PROTECTED UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
6. THE CONTRACTOR MUST MAINTAIN ADEQUATE SUPPORT FOR INSULATION, WATERPROOFING, EMERGENCY LIGHTING, SECURITY, ALARMS, ETC. FOR ALL OR PART OF ITEMS WHICH ARE TO REMAIN.
7. VERIRY FIELD CONDITIONS PRIOR TO START OF DEMOLITION/CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
8. VERIFY THAT CONSTRUCTION INDICATED FOR REMOVAL IS NOT LOAD BEARING OR IS ADEQUATELY SHORED AS INDICATED ON STRUCTURAL DRAWINGS PRIOR TO STARTING ANY WORK.
9. ERECT BARRICADES, FENCES OR OTHER SECURABLE MEANS TO PREVENT UNAUTHORIZED ACCESS INTO CONSTRUCTION ZONES.
10. DO NOT ALLOW MATERIAL AND DEBRIS GENERATED BY DEMOLITION ACTIVITIES TO ACCUMULATE ON THE JOB SITE. REMOVE DAILY AND DISPOSE OF IN A LEGAL MANNER. NO ON-SITE SALE OR BURNING OF REMOVED ITEMS IS PERMITTED.
11. TERMINATE AND CAP UTILITIES IN WALLS, CEILINGS, AND FLOORS, NOTED TO BE REMOVED AND NOT INTENDED FOR REUSE.
12. PREPARE AND PATCH SURFACES THAT ARE TO RECEIVE NEW FINISHES REQUIRED AFTER REMOVING OR RELOCATING DEVICES, WIRING OR OTHER APPURTENANCES. REFER TO FINISH SCHEDULE FOR NEW FINISHES.
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14. IN THE EVENT THAT ANY PARTY ENCOUNTERS SUSPECTED ASBESTOS, HAZARDOUS OR OTHER TOXIC MATERIAL AT THE JOB SITE, OR SHOULD IT BECOME KNOWN THAT SUCH MATERIAL MAY BE PRESENT AT THE JOB SITE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ARCHITECT IMMEDIATELY IN WRITING.

A1 **DEMOLITION PLAN- LEVEL 1**

1/16" = 1'-0"

Wake County Public School System

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

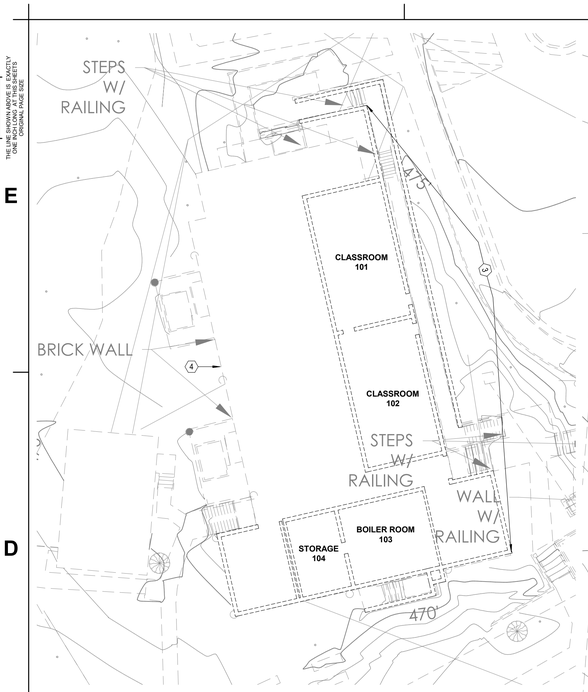
Δ	DATE	DESCRIPTION

SHEET NAME: DEMOLITION FLOOR PLAN- LEVEL 1

BID SET SUBMISSION: 2024.04.10

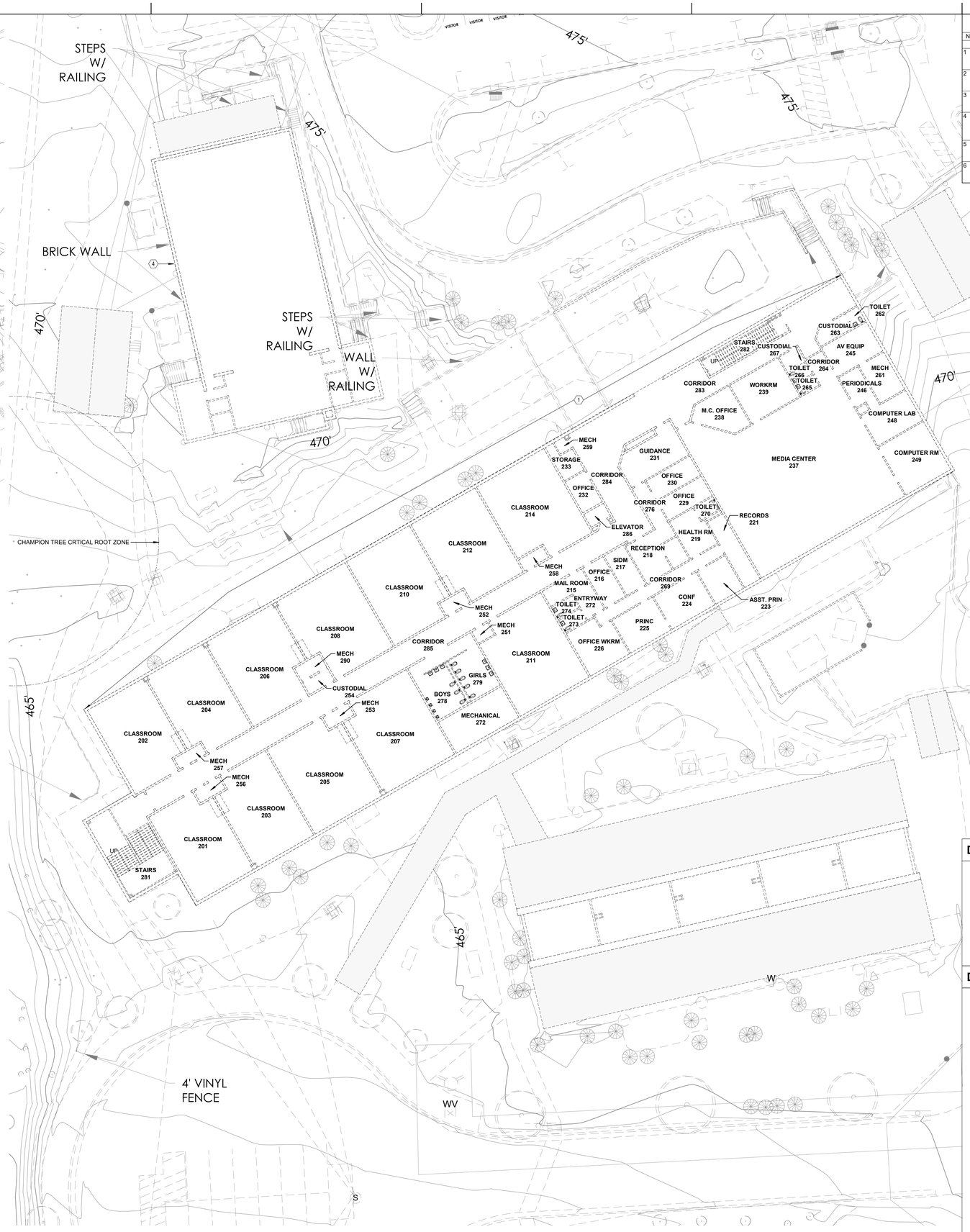
SHEET: **AD01.01**

BID SET



D1 DEMOLITION PLAN- BASEMENT LEVEL

1/16" = 1'-0"



A2 DEMOLITION PLAN- LEVEL 2

1/16" = 1'-0"

(N) DEMOLITION NOTES BY NUMBER

NUMBER	NOTE
1	EXISTING TWO STORY CLASSROOM BUILDING TO BE DEMOLISHED, INCLUDING, BUT NOT LIMITED TO, ALL UTILITY CONNECTIONS, SERVICES, FOUNDATIONS, AND ARCHITECTURAL COMPONENTS.
2	EXISTING ONE STORY KINDERGARTEN CLASSROOM BUILDING TO BE DEMOLISHED, INCLUDING, BUT NOT LIMITED TO, ALL UTILITY CONNECTIONS, SERVICES, FOUNDATIONS, AND ARCHITECTURAL COMPONENTS.
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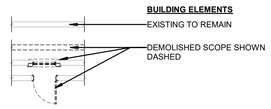
DEMOLITION GRAPHICS



DEMOLITION PLAN SHEET NOTES

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7. VERIRY FIELD CONDITIONS PRIOR TO START OF DEMOLITION/CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
8. VERIFY THAT CONSTRUCTION INDICATED FOR REMOVAL IS NOT LOAD BEARING OR IS ADEQUATELY SHORED AS INDICATED ON STRUCTURAL DRAWINGS PRIOR TO STARTING ANY WORK.
9. ERECT BARRICADES, FENCES OR OTHER SECURABLE MEANS TO PREVENT UNAUTHORIZED ACCESS INTO CONSTRUCTION ZONES.
10. DO NOT ALLOW MATERIAL AND DEBRIS GENERATED BY DEMOLITION ACTIVITIES TO ACCUMULATE ON THE JOB SITE. REMOVE DAILY AND DISPOSE OF IN A LEGAL MANNER. NO ON-SITE SALE OR BURNING OF REMOVED ITEMS IS PERMITTED.
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Wake County Public School System

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MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME: DEMOLITION FLOOR PLAN- LEVEL 2

BID SET SUBMISSION: 2024.04.10

SHEET: **AD01.02**

BID SET

A1 OVERALL FLOOR PLAN- LEVEL 1

1/16" = 1'-0"

TRUE NORTH PROJECT NORTH

Wake County Public School System

LS3P

434 FAYETTEVILLE STREET SUITE 1700
RALEIGH, NORTH CAROLINA 27601
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LS3P ASSOCIATES LTD. REGISTERED ARCHITECTURAL COMPANY CERT. NO. 50417 NORTH CAROLINA RALEIGH, NORTH CAROLINA

MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-2074111

Δ	DATE	DESCRIPTION

KEY PLAN:

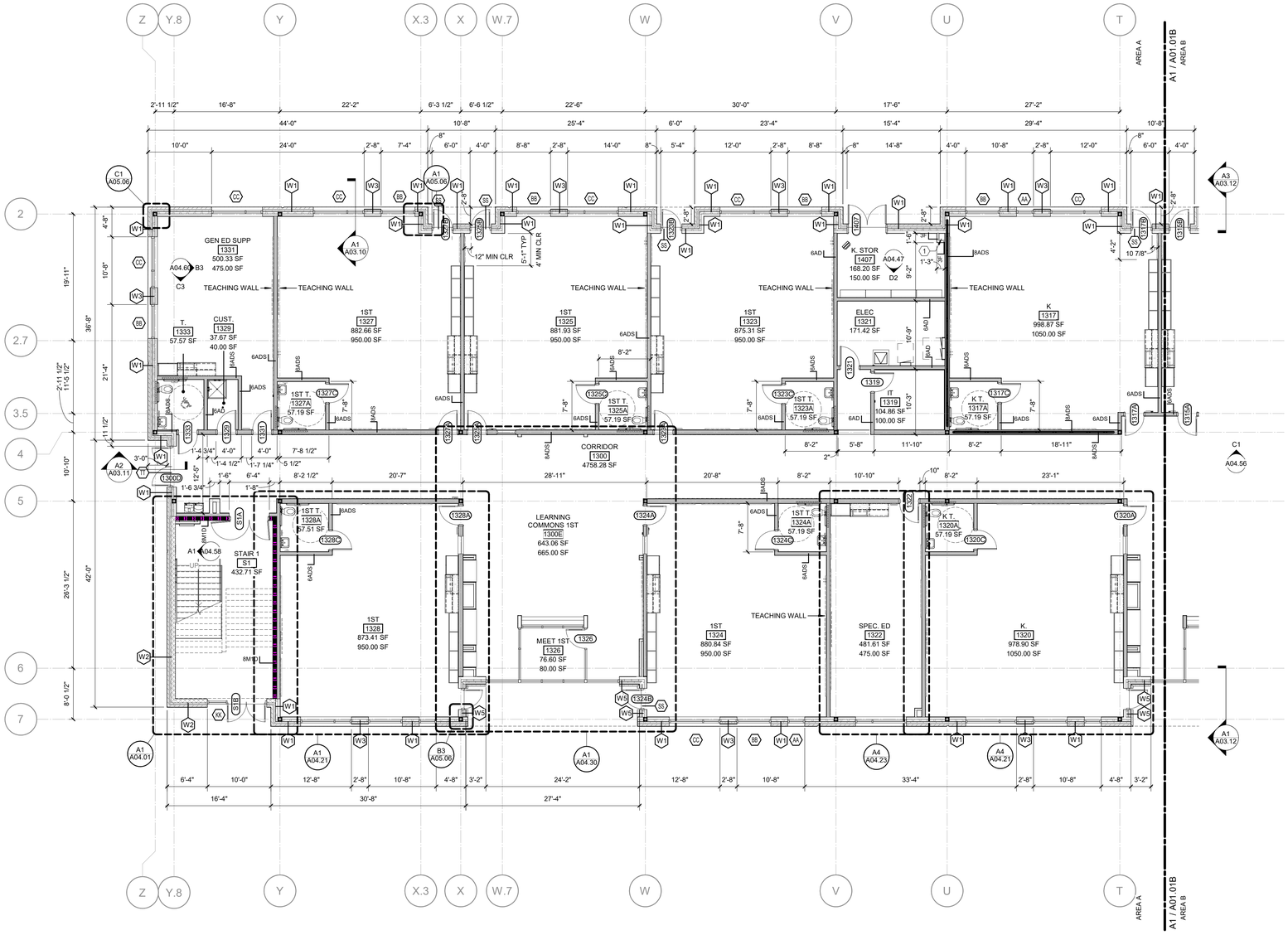
SHEET NAME: FLOOR PLAN- LEVEL 1

BID SET SUBMISSION: 2024.04.10

SHEET: A01.01

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ANSI E SIZE SHEETS ORIGINAL PAGE SIZE



FLOOR PLAN- PARTIAL- LEVEL 1- AREA A

A1

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

(N) FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

FLOOR PLAN SHEET NOTES

1. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE COURSING, NOT ACTUAL AND ARE TO FACE OF MASONRY.
2. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
3. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
4. RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE. ALL PENETRATIONS AND TERMINAL JOINTS ARE TO BE INSTALLED AS SHOWN IN APPLICABLE UL JOINT OR PENETRATION DETAIL.
5. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
6. RATED WALLS INTERSECTING EXTERIOR WALLS SHALL EXTEND TO THE INSIDE FACE OF EXTERIOR SHEATHING.
7. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM, AND RELATED CONSTRUCTION.
8. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED AND SMOKE WALLS
9. SEE SHEET A00.01 FOR CONSTRUCTION SUBSYSTEMS (OR PARTITION SCHEDULE)
10. SEE SHEET A04.40-60 FOR INTERIOR ELEVATIONS, ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
11. SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
12. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.
13. FIELD VERIFY LOCATION OF INTERIOR WALL & CEILING CONTROL JOINTS REQUIRED IN THE SPECIFICATION WITH ARCHITECT PRIOR TO INSTALLATION.
14. WALLS, INCLUDING GYP. BD. AT PERIMETER OF ROOMS/SPACES WITHOUT CEILINGS, i.e. EXPOSED STRUCTURE, SHALL EXTEND TO STRUCTURE ABOVE.

PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

Wake County Public School System

LS3P

434 FAYETTEVILLE STREET SUITE 1700
RALEIGH, NORTH CAROLINA 27601
TEL. 919.829.2700 FAX. 919.829.2730
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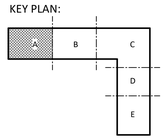
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



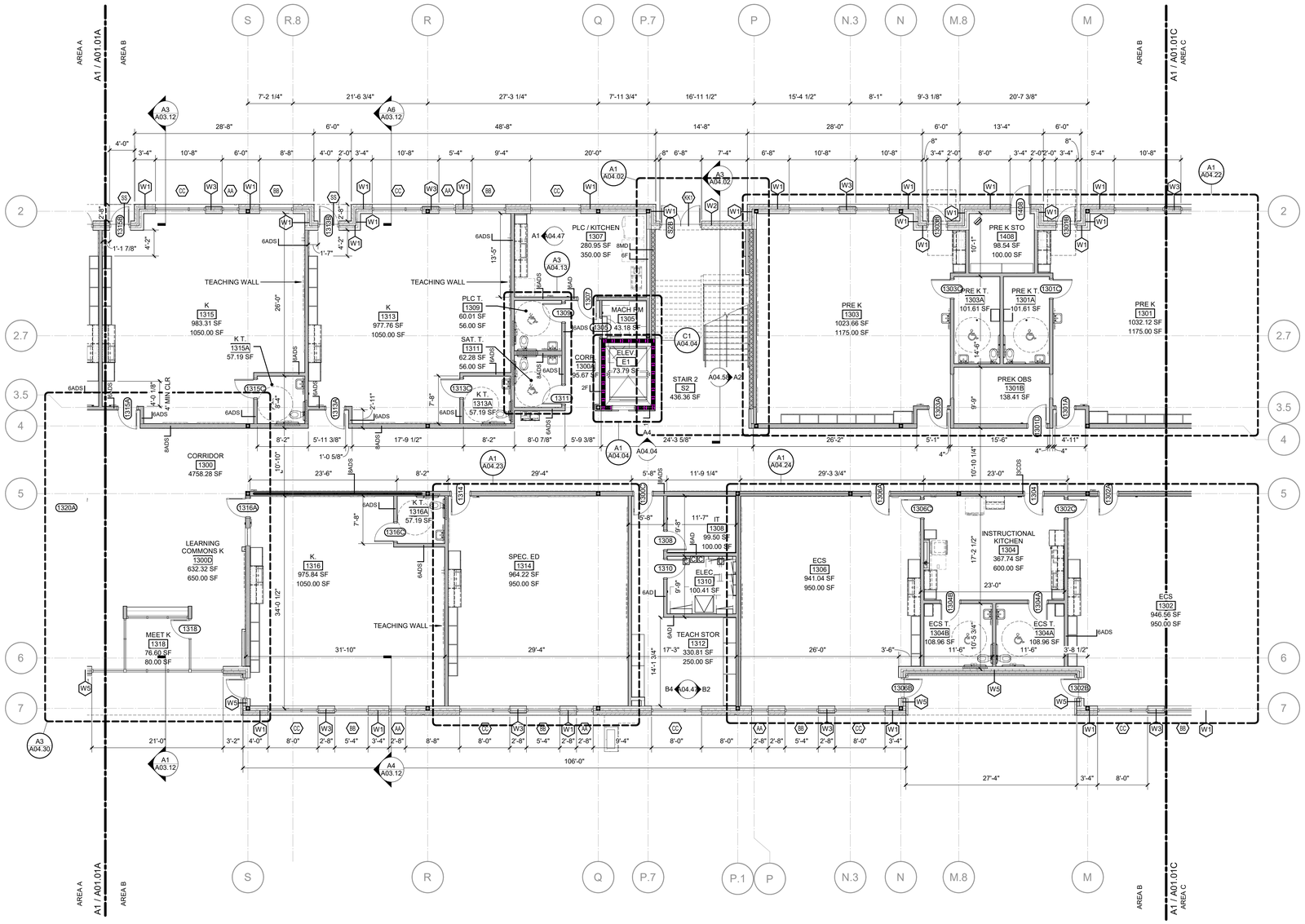
SHEET NAME:
FLOOR PLAN- LEVEL 1- AREA A

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.01A

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ANSI D SHEETS ORIGINAL PAGE SIZE



FLOOR PLAN- PARTIAL- LEVEL 1- AREA B

A1

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

(N) FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

FLOOR PLAN SHEET NOTES

1. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE COURSING, NOT ACTUAL AND ARE TO FACE OF MASONRY.
2. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
3. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
4. RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE. ALL PENETRATIONS AND TERMINAL JOINTS ARE TO BE INSTALLED AS SHOWN IN APPLICABLE UL JOINT OR PENETRATION DETAIL.
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9. SEE SHEET A00.01 FOR CONSTRUCTION SUBSYSTEMS (OR PARTITION SCHEDULE)
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14. WALLS, INCLUDING GYP. BD. AT PERIMETER OF ROOMS/SPACES WITHOUT CEILINGS, i.e. EXPOSED STRUCTURE, SHALL EXTEND TO STRUCTURE ABOVE.

PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: **1 HOUR RATED CMU FIRE/SMOKE BARRIER:**

8MTC

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

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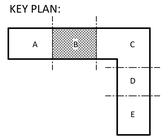
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



SHEET NAME:
FLOOR PLAN- LEVEL 1- AREA B

BID SET SUBMISSION: 2024.04.10

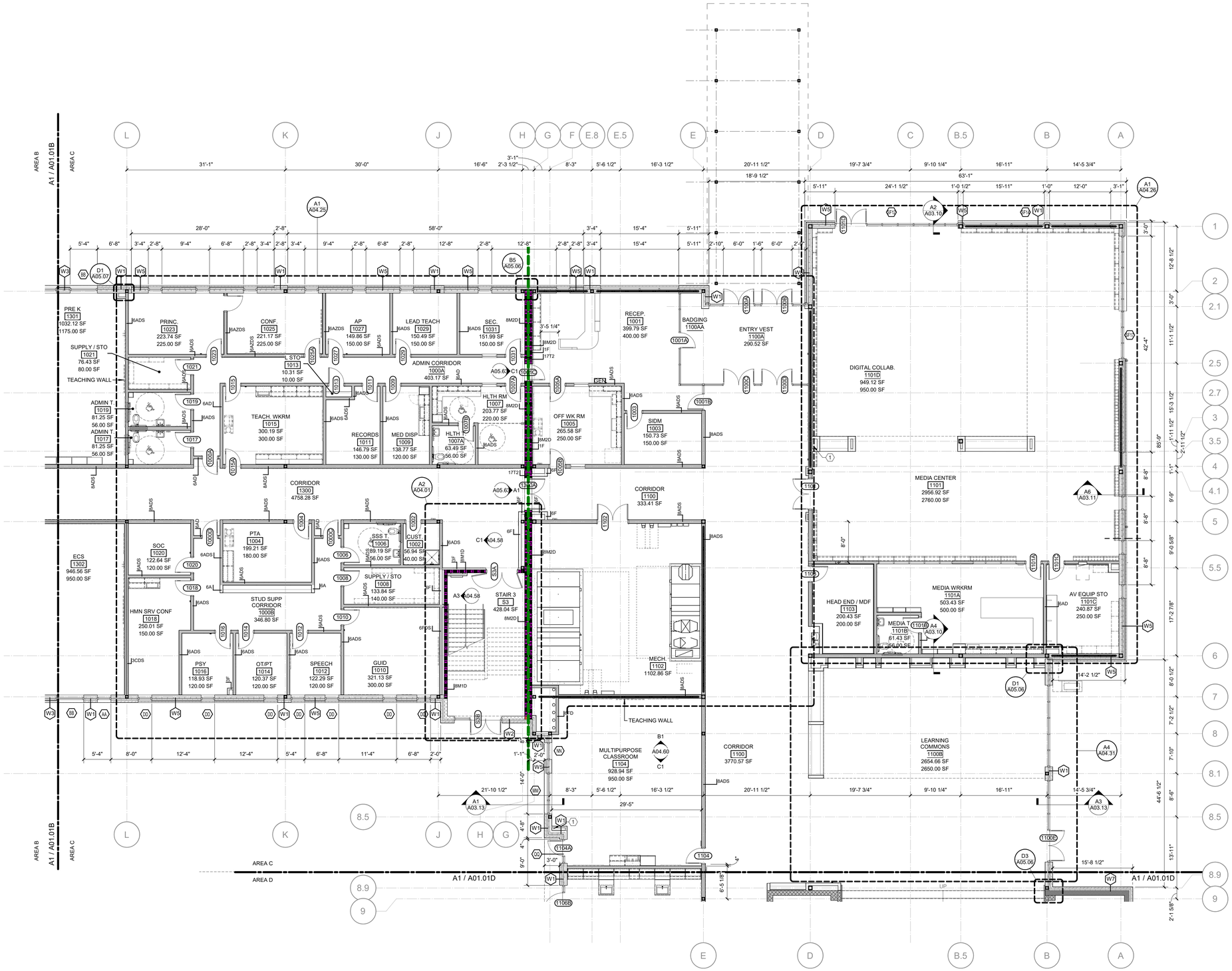
SHEET:
A01.01B

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ARCHITECT'S ORIGINAL PLOT SET

FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS



A1 FLOOR PLAN- PARTIAL- LEVEL 1- AREA C

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

FLOOR PLAN SHEET NOTES

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3. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
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PARTITION GRAPHICS

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2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A65X U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

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- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
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- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
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- RATED **SMOKE BARRIER** TO DECK
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Wake County Public School System

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Swift Creek Elementary School

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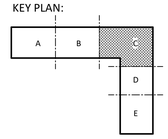
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



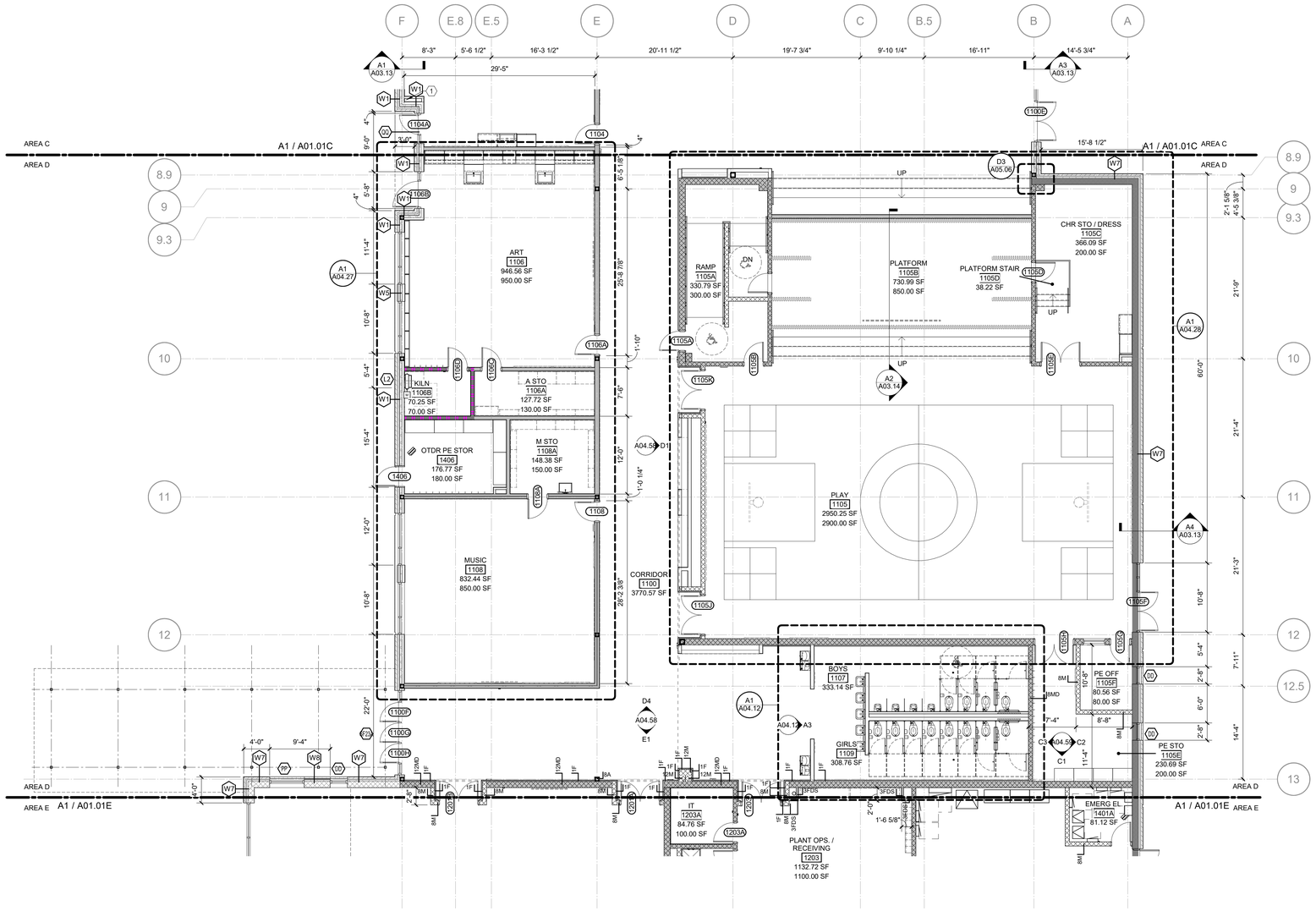
SHEET NAME: FLOOR PLAN- LEVEL 1- AREA C

BID SET SUBMISSION: 2024.04.10

SHEET: **A01.01C**

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON THE SHEETS ORIGINAL PAPER SIZE



A1 FLOOR PLAN- PARTIAL- LEVEL 1- AREA D

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

(N) FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

FLOOR PLAN SHEET NOTES

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PARTITION GRAPHICS

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2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

8M1C

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
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- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

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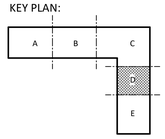

SHEET NAME:
FLOOR PLAN- LEVEL 1- AREA D

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.01D

BID SET

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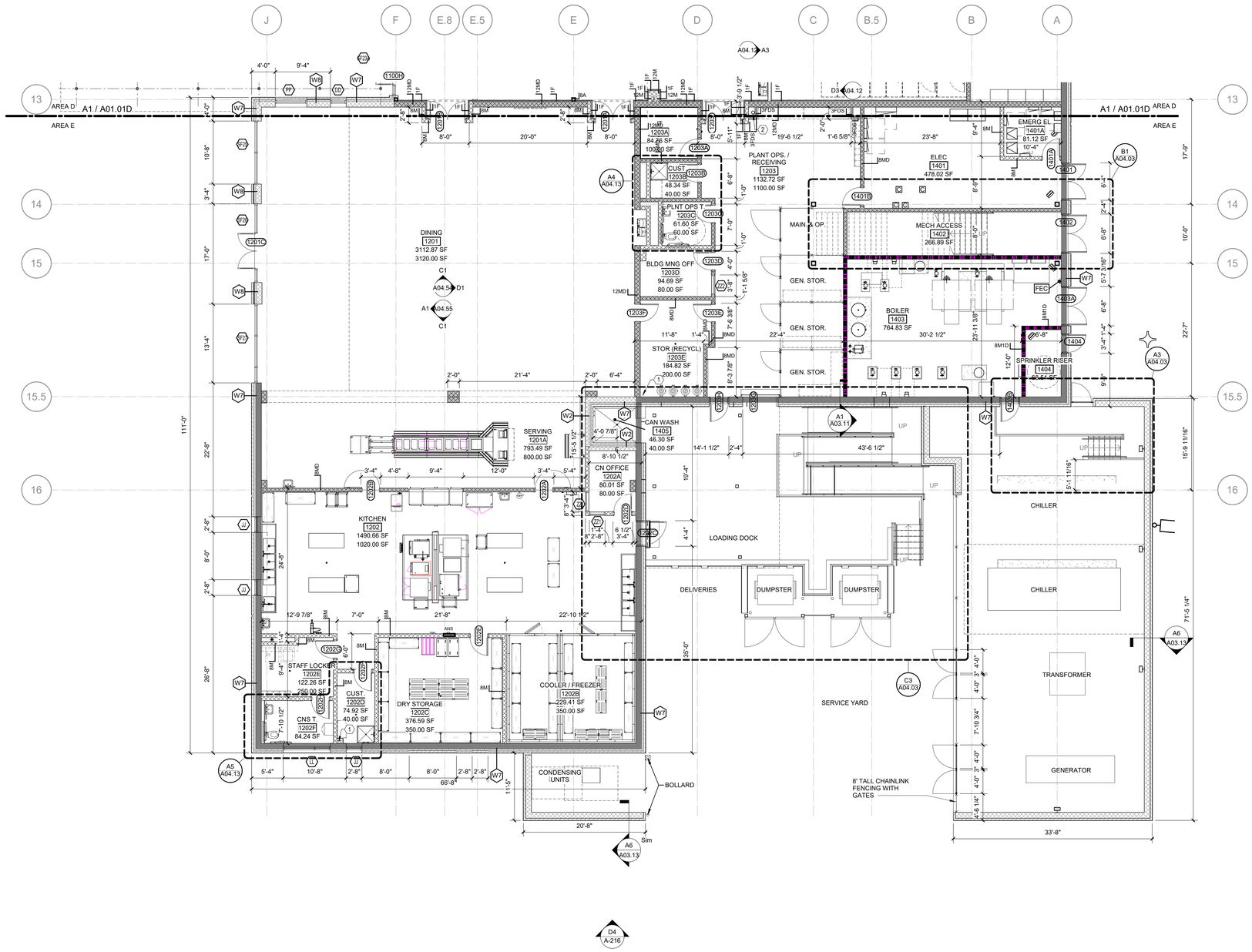

FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

FLOOR PLAN SHEET NOTES

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PARTITION GRAPHICS

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2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: **1 HOUR RATED CMU FIRE/SMOKE BARRIER:**

8M1C

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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FILL PATTERN LEGEND

30 MIN-RATED PARTITION

1 HOUR-RATED PARTITION

2 HOUR-RATED PARTITION

3 HOUR-RATED PARTITION

4 HOUR-RATED PARTITION

COLOR LEGEND

NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.

NON-RATED PARTITION TO DECK

NON-RATED **SMOKE PARTITION** TO DECK

RATED **SMOKE BARRIER** TO DECK

RATED **FIRE PARTITION** TO DECK

RATED **FIRE/SMOKE BARRIER** TO DECK

RATED **FIRE BARRIER** TO DECK

RATED **FIRE WALL** TO DECK

A1 FLOOR PLAN- PARTIAL- LEVEL 1- AREA E

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

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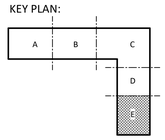
Δ	DATE	DESCRIPTION

KEY PLAN:

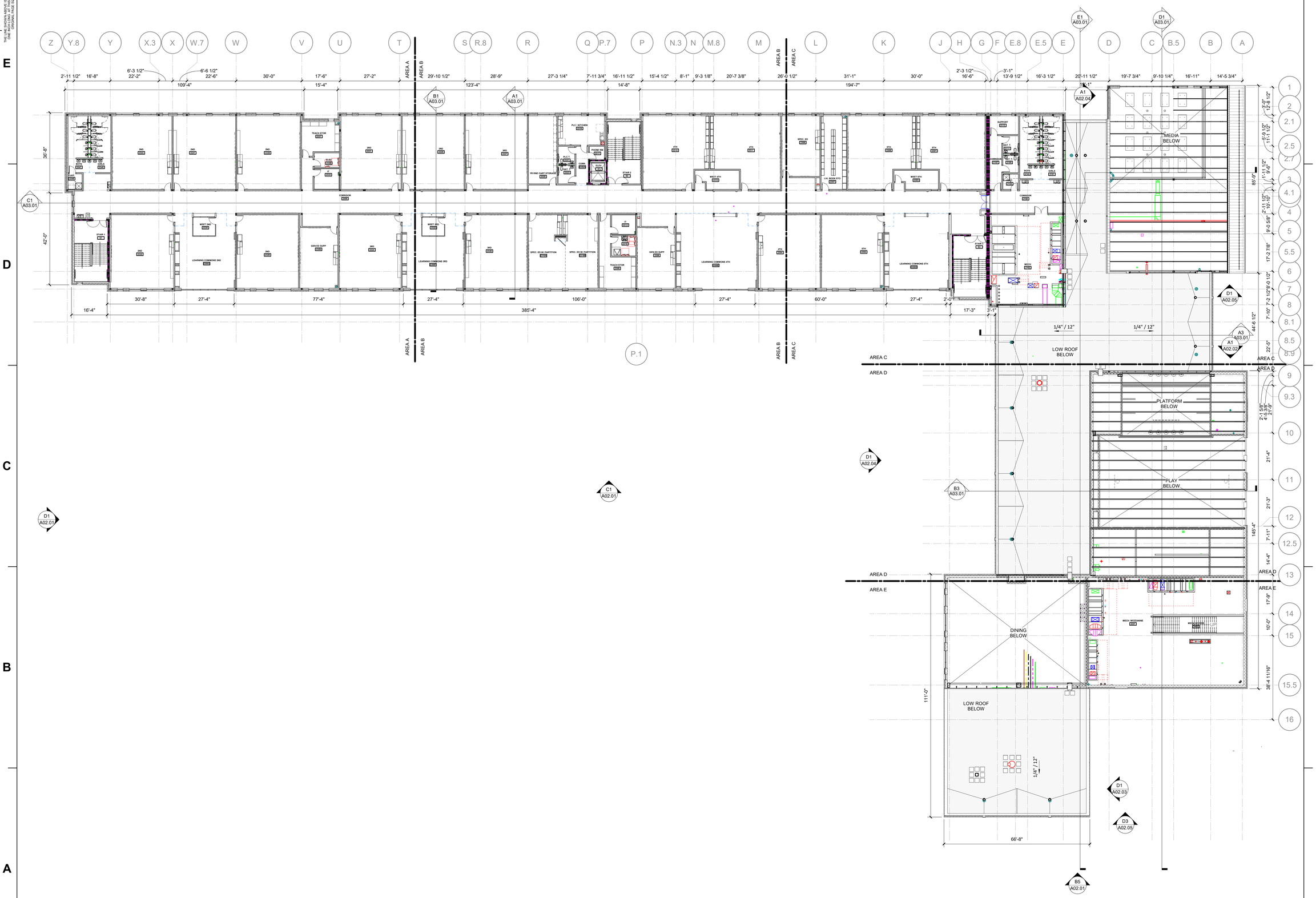


SHEET NAME:
FLOOR PLAN- LEVEL 1- AREA E

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.01E

BID SET



A1 OVERALL FLOOR PLAN- LEVEL 2

1/16" = 1'-0"

TRUE NORTH PROJECT NORTH

Wake County Public School System

LS3P

434 FAYETTEVILLE STREET SUITE 1700
RALEIGH, NORTH CAROLINA 27601
TEL. 919.829.2700 FAX. 919.829.2730
WWW.LS3P.COM

LS3P ASSOCIATES LTD. REGISTERED ARCHITECTURAL COMPANY CERT. NO. 50417 NORTH CAROLINA RALEIGH, NORTH CAROLINA

MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:

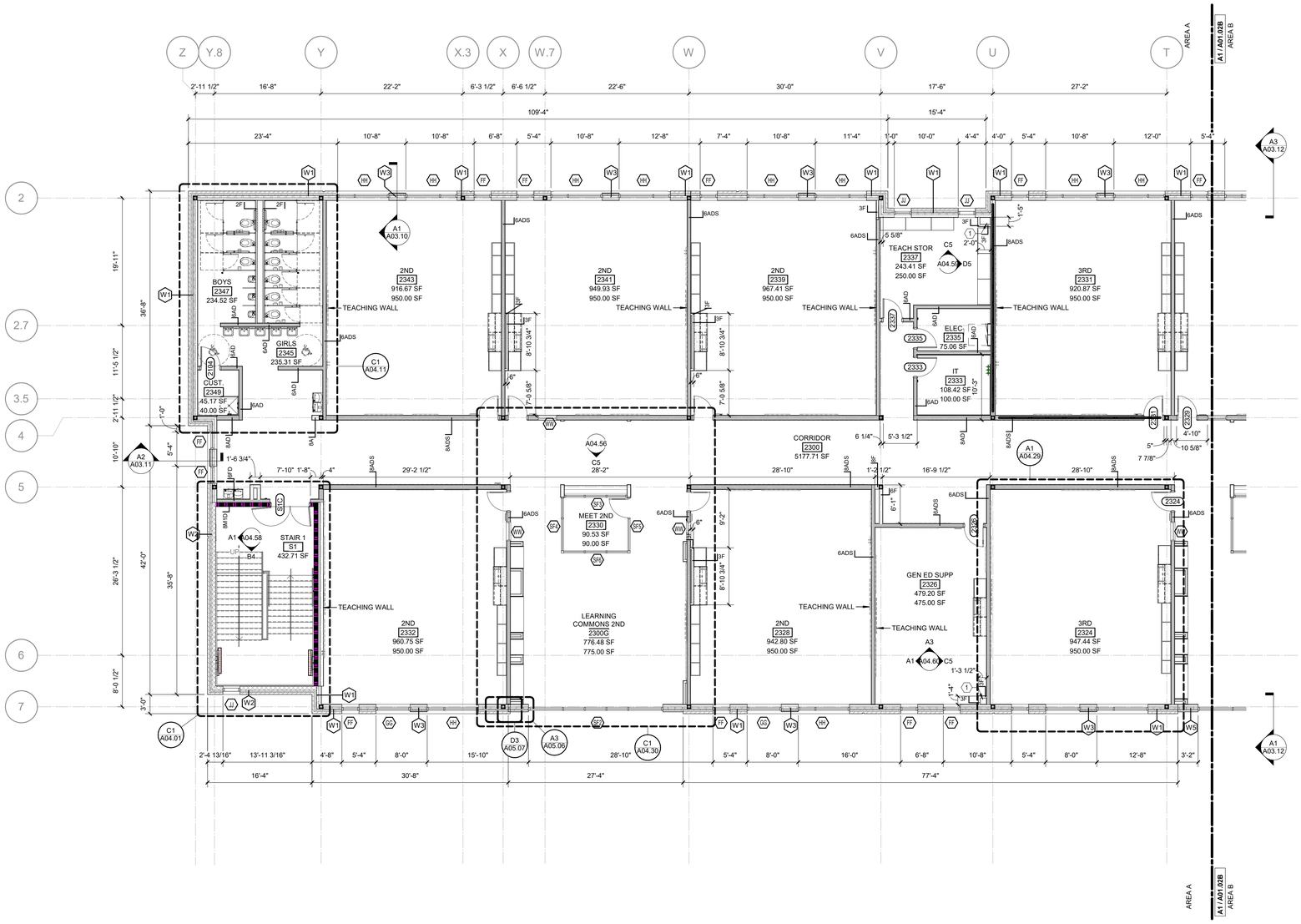
SHEET NAME: FLOOR PLAN- LEVEL 2

BID SET SUBMISSION: 2024.04.10

SHEET: A01.02

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

FLOOR PLAN SHEET NOTES

1. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE COURSING, NOT ACTUAL AND ARE TO FACE OF MASONRY.
2. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
3. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
4. RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE. ALL PENETRATIONS AND TERMINAL JOINTS ARE TO BE INSTALLED AS SHOWN IN APPLICABLE UL JOINT OR PENETRATION DETAIL.
5. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
6. RATED WALLS INTERSECTING EXTERIOR WALLS SHALL EXTEND TO THE INSIDE FACE OF EXTERIOR SHEATHING.
7. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM, AND RELATED CONSTRUCTION.
8. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED AND SMOKE WALLS
9. SEE SHEET A09.01 FOR CONSTRUCTION SUBSYSTEMS (OR PARTITION SCHEDULE)
10. SEE SHEET A04.40-60 FOR INTERIOR ELEVATIONS, ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
11. SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
12. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.
13. FIELD VERIFY LOCATION OF INTERIOR WALL & CEILING CONTROL JOINTS REQUIRED IN THE SPECIFICATION WITH ARCHITECT PRIOR TO INSTALLATION.
14. WALLS, INCLUDING GYP. BD. AT PERIMETER OF ROOMS/SPACES WITHOUT CEILINGS, i.e. EXPOSED STRUCTURE, SHALL EXTEND TO STRUCTURE ABOVE.

PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

8M1C

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

A1 FLOOR PLAN- PARTIAL- LEVEL 2 - AREA A

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

Wake County Public School System

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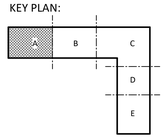
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



SHEET NAME:
FLOOR PLAN- LEVEL 2- AREA A

BID SET SUBMISSION: 2024.04.10

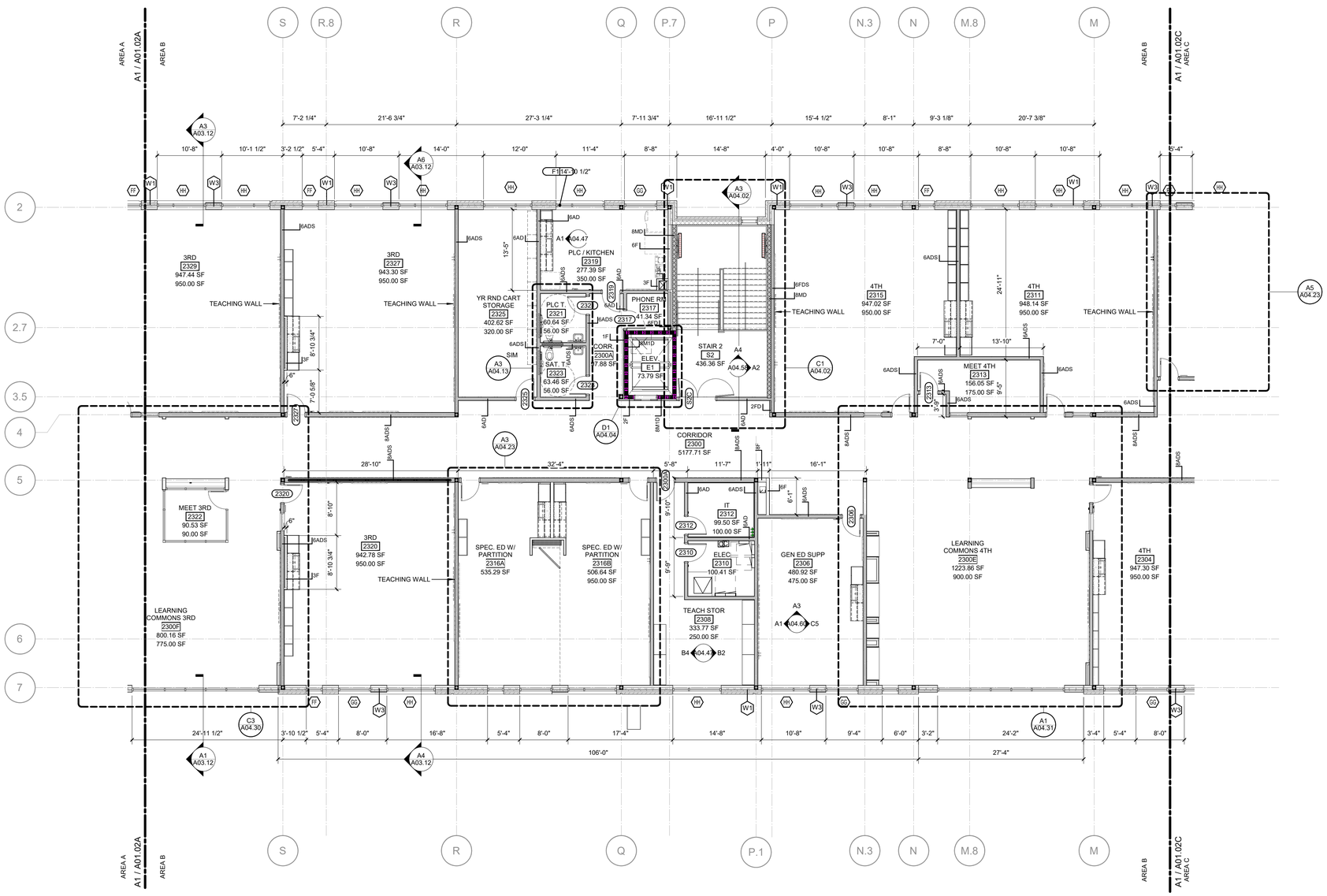
SHEET:
A01.02A

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCHITECTURAL PLANS

(N) FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS



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3. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
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PARTITION GRAPHICS

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GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

8M1C

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- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

A1 FLOOR PLAN- PARTIAL- LEVEL 2 - AREA B

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

Wake County Public School System

LS3P

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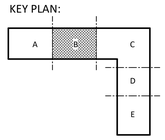
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



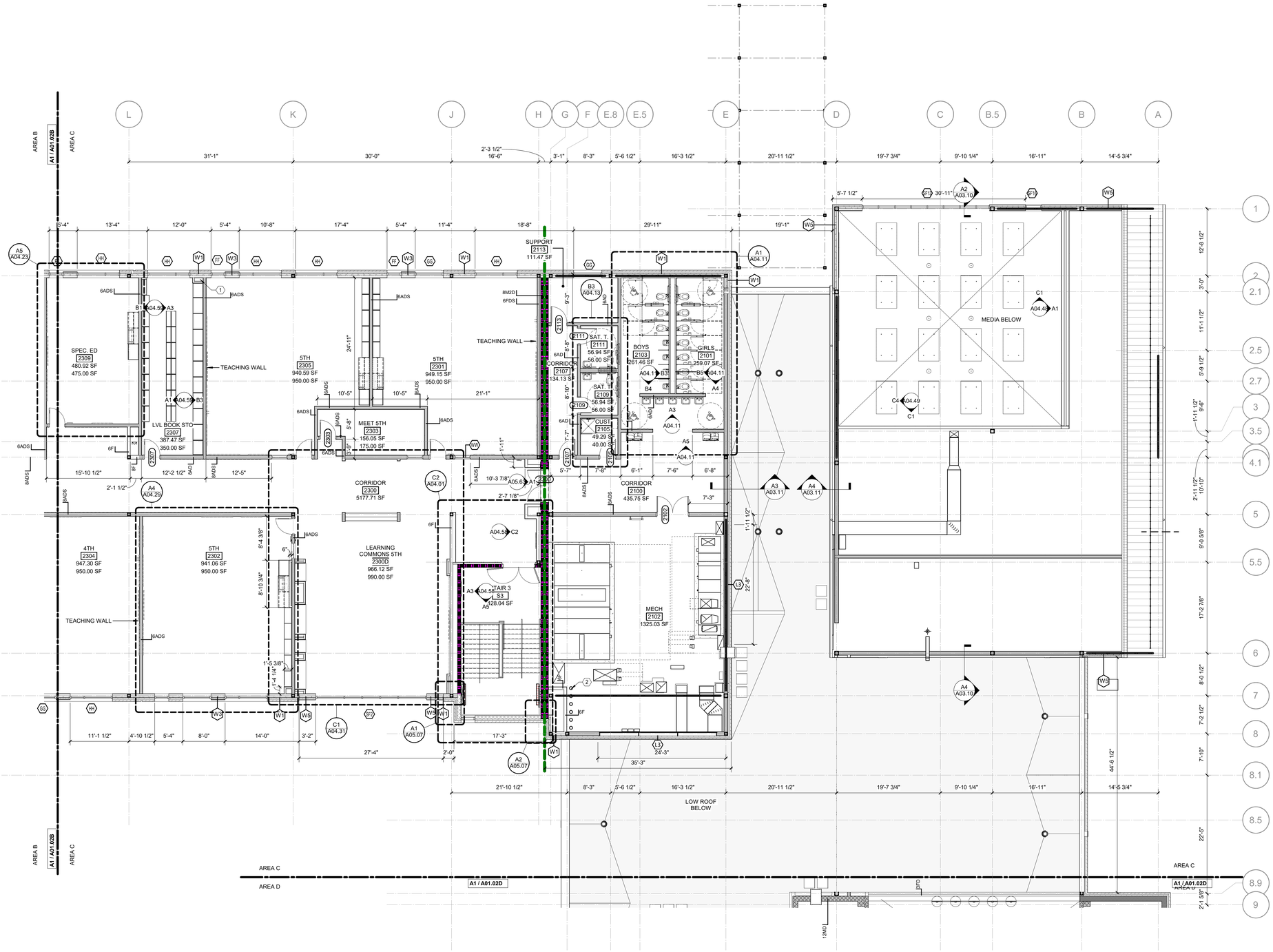
SHEET NAME:
FLOOR PLAN- LEVEL 2- AREA B

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.02B

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



A1 FLOOR PLAN- PARTIAL- LEVEL 2 - AREA C

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

(N) FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

FLOOR PLAN SHEET NOTES

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PARTITION GRAPHICS

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GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

8MIC
8 S 1 S 2

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

Wake County Public School System

LS3P
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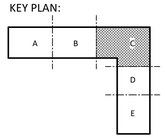
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



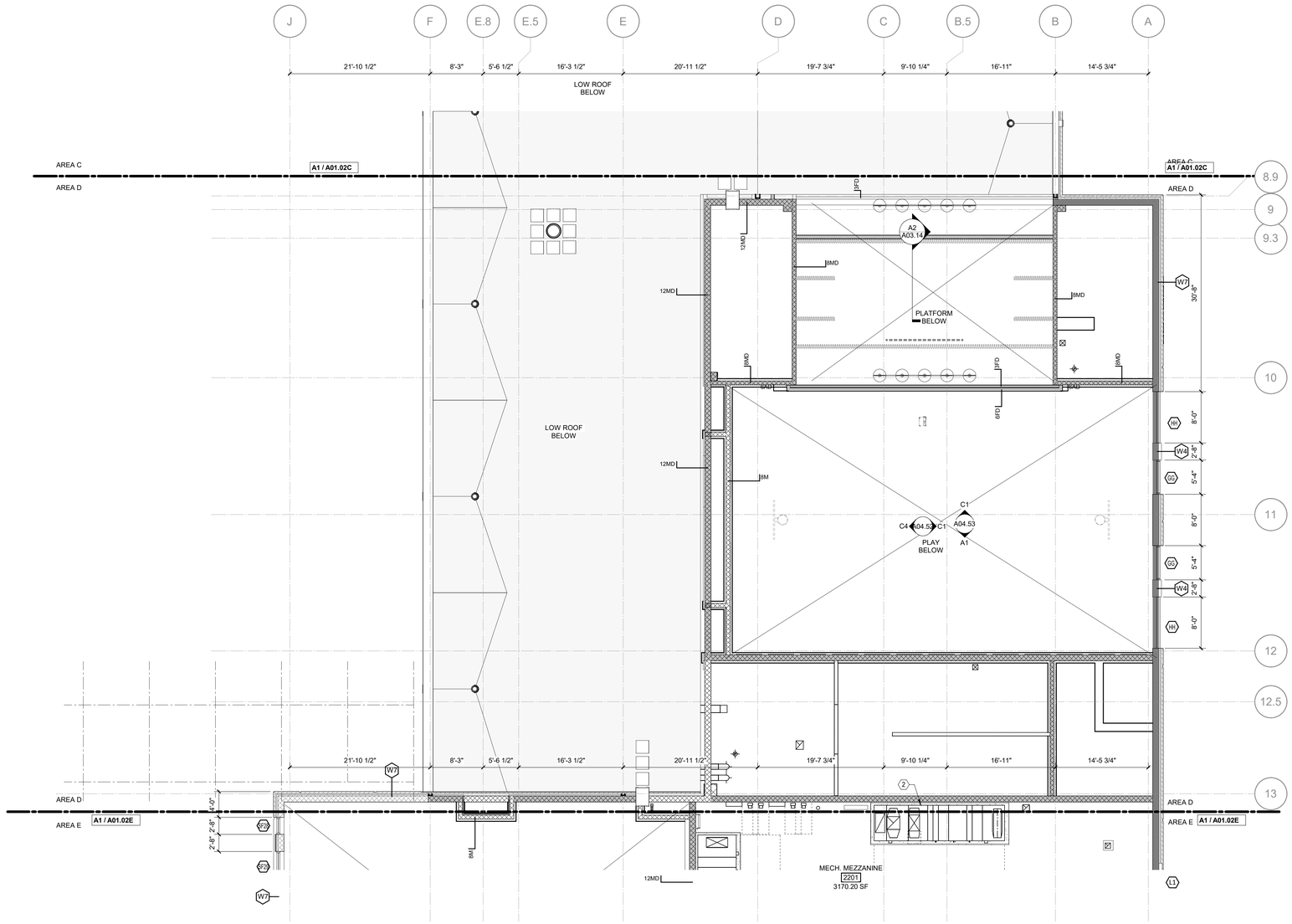
SHEET NAME:
FLOOR PLAN- LEVEL 2- AREA C

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.02C

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



FLOOR PLAN- PARTIAL- LEVEL 2 - AREA D

A1

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
1	ROOF DRAIN LEADER
2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

FLOOR PLAN SHEET NOTES

1. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE COURSING, NOT ACTUAL AND ARE TO FACE OF MASONRY.
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PARTITION GRAPHICS

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2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: **1 HOUR RATED CMU FIRE/SMOKE BARRIER:**

8M1C

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
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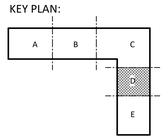
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



SHEET NAME:
FLOOR PLAN- LEVEL 2- AREA D

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.02D

BID SET

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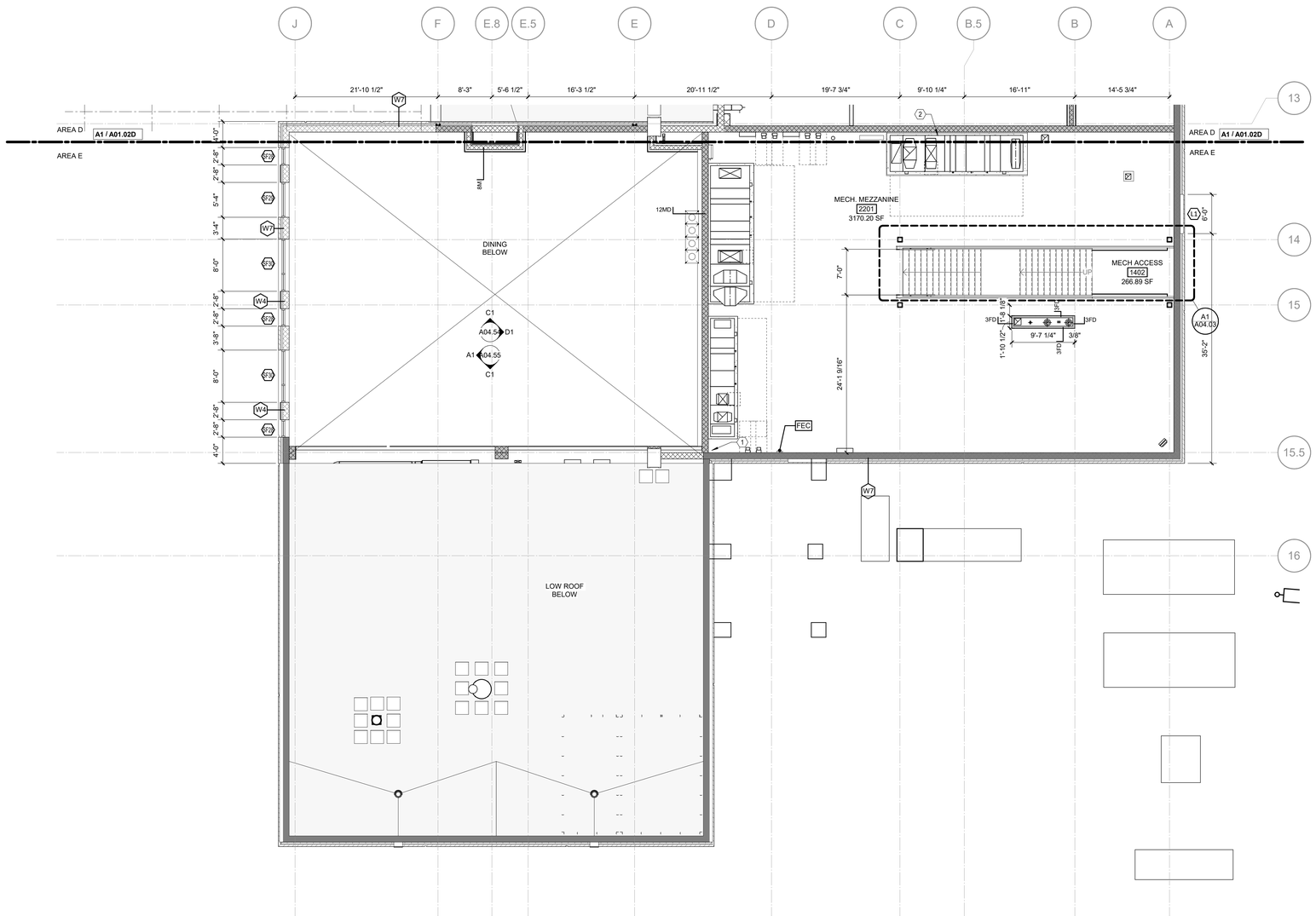

D4
A-216

FLOOR PLAN- PARTIAL- LEVEL 2 - AREA E

A1

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

(N) FLOOR PLAN NOTES BY NUMBER

NUMBER	NOTE
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2	VAPOR MITIGATION SYSTEM VENT PIPE RISERS

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GRAPHIC SAMPLE: **1 HOUR RATED CMU FIRE/SMOKE BARRIER:**

8MIC

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

Wake County Public School System

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LS3P ASSOCIATES LTD. REGISTERED ARCHITECTURAL COMPANY CERT. NO. 50417 NORTH CAROLINA RALEIGH, NORTH CAROLINA

MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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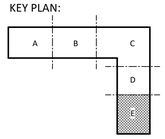
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:

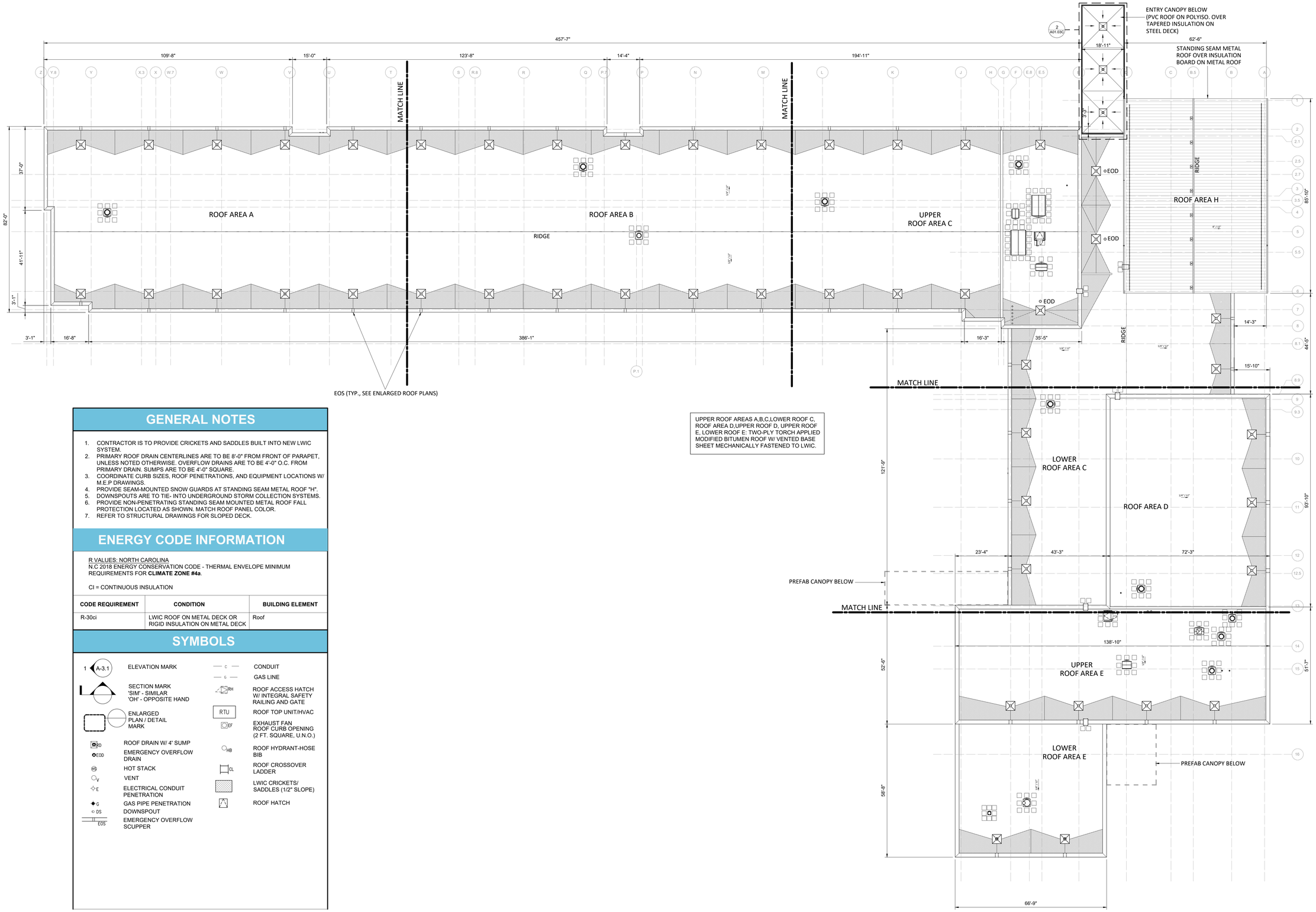


SHEET NAME:
FLOOR PLAN- LEVEL 2- AREA E

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.02E

BID SET



UPPER ROOF AREAS A,B,C,LOWER ROOF C, ROOF AREA D,UPPER ROOF D, UPPER ROOF E, LOWER ROOF E: TWO-PLY TORCH APPLIED MODIFIED BITUMEN ROOF W/ VENTED BASE SHEET MECHANICALLY FASTENED TO LWIC.

GENERAL NOTES

1. CONTRACTOR IS TO PROVIDE CRICKETS AND SADDLES BUILT INTO NEW LWIC SYSTEM.
2. PRIMARY ROOF DRAIN CENTERLINES ARE TO BE 8'-0" FROM FRONT OF PARAPET, UNLESS NOTED OTHERWISE. OVERFLOW DRAINS ARE TO BE 4'-0" O.C. FROM PRIMARY DRAIN. SUMPS ARE TO BE 4'-0" SQUARE.
3. COORDINATE CURB SIZES, ROOF PENETRATIONS, AND EQUIPMENT LOCATIONS W/ M.E.P DRAWINGS.
4. PROVIDE SEAM-MOUNTED SNOW GUARDS AT STANDING SEAM METAL ROOF "H".
5. DOWNSPOUTS ARE TO TIE- INTO UNDERGROUND STORM COLLECTION SYSTEMS.
6. PROVIDE NON-PENETRATING STANDING SEAM MOUNTED METAL ROOF FALL PROTECTION LOCATED AS SHOWN. MATCH ROOF PANEL COLOR.
7. REFER TO STRUCTURAL DRAWINGS FOR SLOPED DECK.

ENERGY CODE INFORMATION

R VALUES: NORTH CAROLINA
N.C 2018 ENERGY CONSERVATION CODE - THERMAL ENVELOPE MINIMUM REQUIREMENTS FOR **CLIMATE ZONE #4a**.

CI = CONTINUOUS INSULATION

CODE REQUIREMENT	CONDITION	BUILDING ELEMENT
R-30ci	LWIC ROOF ON METAL DECK OR RIGID INSULATION ON METAL DECK	Roof

SYMBOLS

- 1 A-3.1 — ELEVATION MARK
- SECTION MARK 'SIM' - SIMILAR 'OH' - OPPOSITE HAND
- ENLARGED PLAN / DETAIL MARK
- RD — ROOF DRAIN W/ 4' SUMP
- EOD — EMERGENCY OVERFLOW DRAIN
- HS — HOT STACK
- V — VENT
- E — ELECTRICAL CONDUIT PENETRATION
- G — GAS PIPE PENETRATION
- DS — DOWNSPOUT
- EOS — EMERGENCY OVERFLOW SCUPPER
- C — CONDUIT
- G — GAS LINE
- RH — ROOF ACCESS HATCH W/ INTEGRAL SAFETY RAILING AND GATE
- RTU — ROOF TOP UNIT/HVAC
- EF — EXHAUST FAN ROOF CURB OPENING (2 FT. SQUARE, U.N.O.)
- HB — ROOF HYDRANT-HOSE BIB
- CL — ROOF CROSSOVER LADDER
- LWIC CRICKETS/ SADDLES (1/2" SLOPE)
- ROOF HATCH

NOTE: DIMENSIONS ARE APPROXIMATE.

A1 OVERALL ROOF PLAN

1/16" = 1'-0"

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4.4.2024

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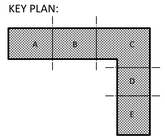
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

A	DATE	DESCRIPTION
	10/17/2023	100%
	4/10/2024	BID SET

KEY PLAN:

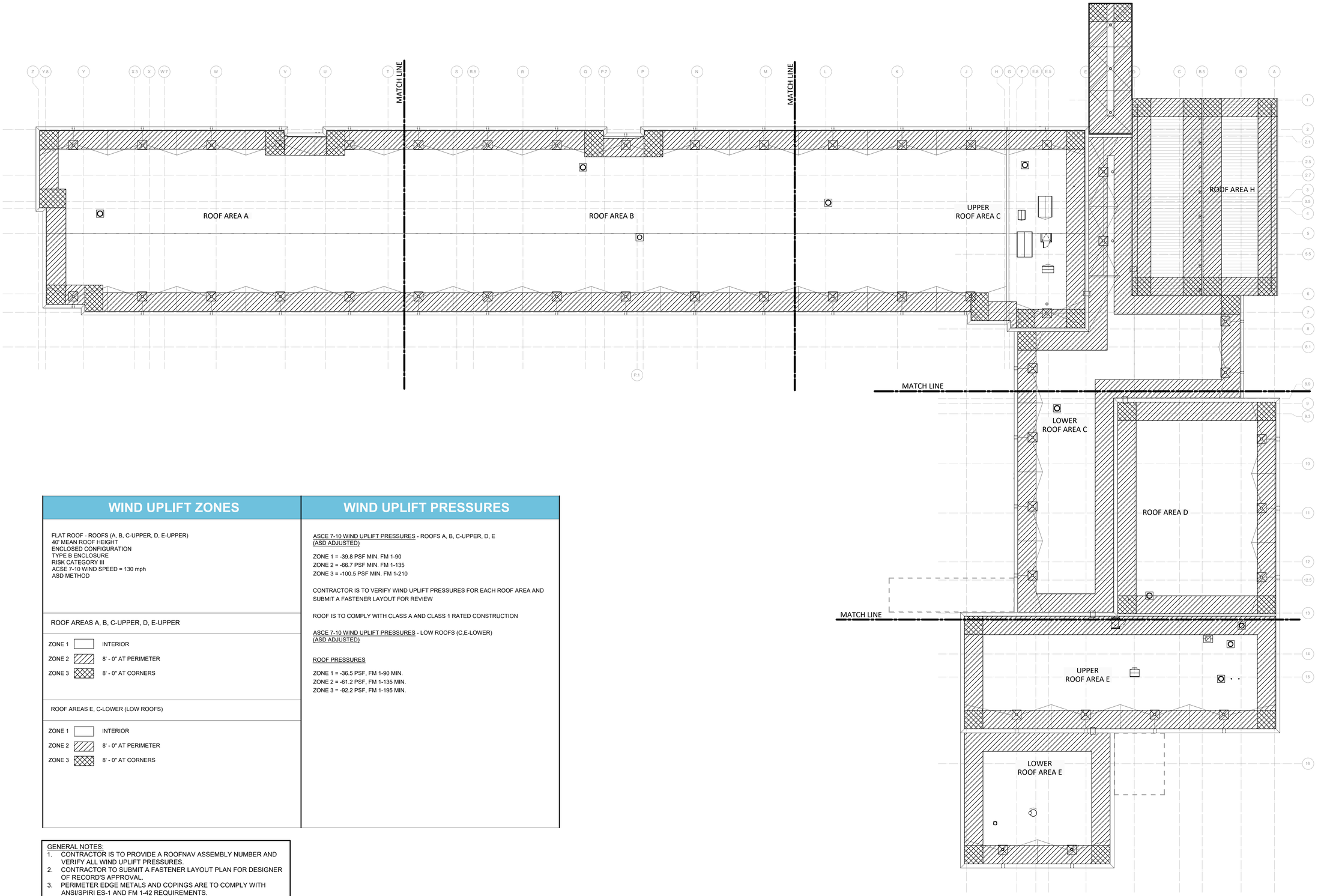


SHEET NAME:
ROOF PLAN-OVERALL

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.03

BID SET



WIND UPLIFT ZONES	WIND UPLIFT PRESSURES
FLAT ROOF - ROOFS (A, B, C-UPPER, D, E-UPPER) 40' MEAN ROOF HEIGHT ENCLOSED CONFIGURATION TYPE B ENCLOSURE RISK CATEGORY III ACSE 7-10 WIND SPEED = 130 mph ASD METHOD	ASCE 7-10 WIND UPLIFT PRESSURES - ROOFS A, B, C-UPPER, D, E (ASD ADJUSTED) ZONE 1 = -39.8 PSF MIN. FM 1-90 ZONE 2 = -66.7 PSF MIN. FM 1-135 ZONE 3 = -100.5 PSF MIN. FM 1-210 CONTRACTOR IS TO VERIFY WIND UPLIFT PRESSURES FOR EACH ROOF AREA AND SUBMIT A FASTENER LAYOUT FOR REVIEW ROOF IS TO COMPLY WITH CLASS A AND CLASS 1 RATED CONSTRUCTION
ROOF AREAS A, B, C-UPPER, D, E-UPPER ZONE 1 — INTERIOR ZONE 2 — 8' - 0" AT PERIMETER ZONE 3 — 8' - 0" AT CORNERS	ASCE 7-10 WIND UPLIFT PRESSURES - LOW ROOFS (C,E-LOWER) (ASD ADJUSTED) ROOF PRESSURES ZONE 1 = -36.5 PSF, FM 1-90 MIN. ZONE 2 = -61.2 PSF, FM 1-135 MIN. ZONE 3 = -92.2 PSF, FM 1-195 MIN.
ROOF AREAS E, C-LOWER (LOW ROOFS) ZONE 1 — INTERIOR ZONE 2 — 8' - 0" AT PERIMETER ZONE 3 — 8' - 0" AT CORNERS	

GENERAL NOTES:
1. CONTRACTOR IS TO PROVIDE A ROOFNAV ASSEMBLY NUMBER AND VERIFY ALL WIND UPLIFT PRESSURES.
2. CONTRACTOR TO SUBMIT A FASTENER LAYOUT PLAN FOR DESIGNER OF RECORD'S APPROVAL.
3. PERIMETER EDGE METALS AND COPINGS ARE TO COMPLY WITH ANSI/SPIRI ES-1 AND FM 1-42 REQUIREMENTS.
4. ROOF MOUNTED EQUIPMENT (HVAC UNITS/EXHAUST FANS/ETC.) ARE TO COMPLY WITH FM 1-28 REQUIREMENTS.
5. MOD-BIT ROOF SYSTEMS ARE TO RECEIVE A 20 YR. NDL WARRANTY FOR MATERIALS AND INSTALLATION. STANDING SEAM ROOFS ARE TO RECEIVE A 30 YR. NDL WARRANTY FOR MATERIALS AND INSTALLATION.

A1 WIND ZONE PLAN
1/16" = 1'-0"

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Swift Creek Elementary School
5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION
	10/17/2023	100%
	4/10/2024	BID SET

KEY PLAN:

SHEET NAME: WIND ZONE PLAN

BID SET SUBMISSION: 2024.04.10

SHEET: A01.03.1

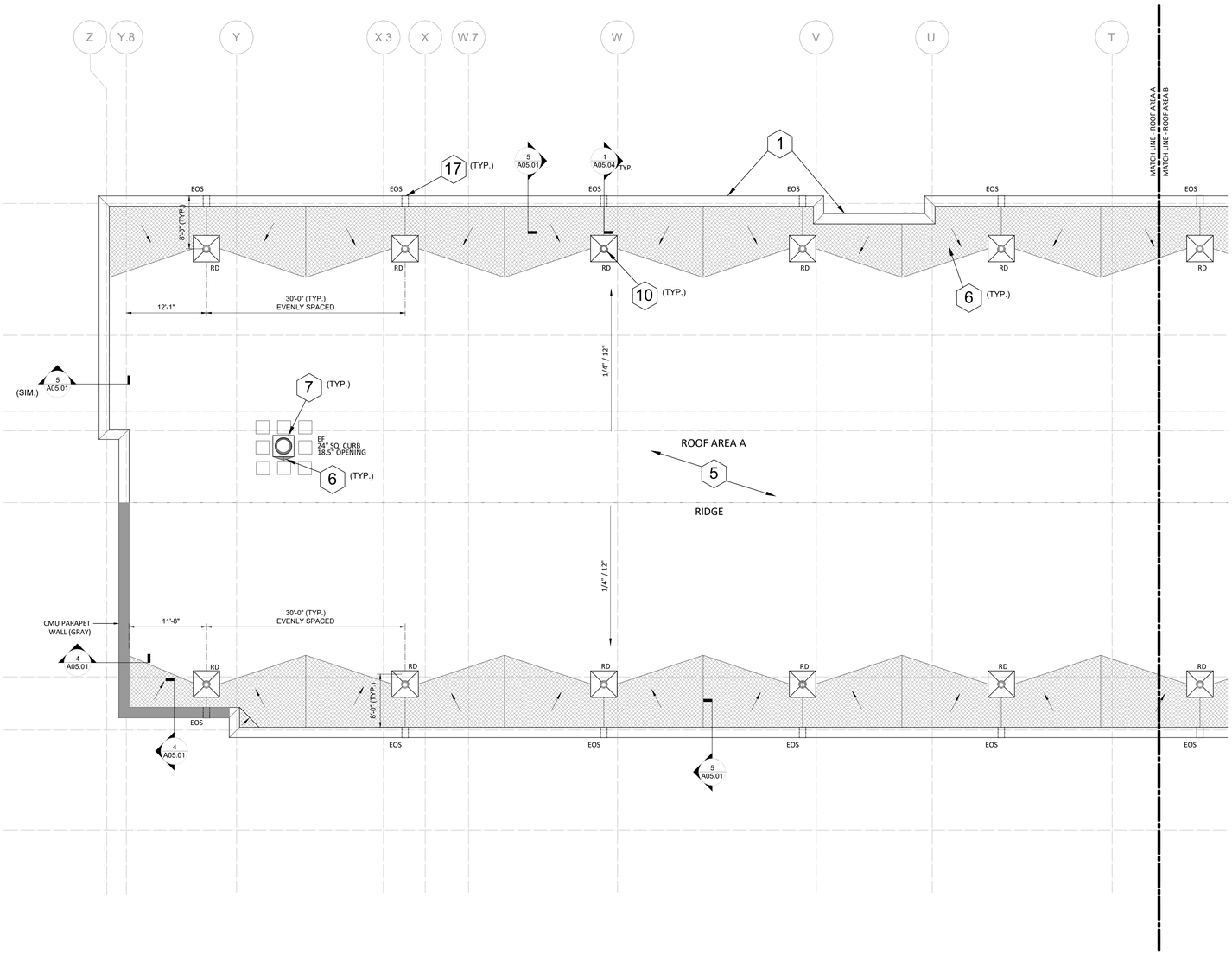
BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL PLAN SHEETS

17 **OVERFLOW SCUPPER SCHEDULE: (SEE DETAILS 1,2,3/A05.04)**
1. 4" X 12" = NORTH AND SOUTH ROOF AREAS - UPPER A/B/C & LOWER WEST SIDE - ROOF AREA C.
2. 4" X 16" = LOWER ROOF AREA C, UPPER & LOWER ROOF AREA E.
3. 4" X 20" = ROOF AREA D.

ROOF PLAN KEYNOTES

NUMBER	NOTE
1	PREFINISHED 0.050" ALUMINUM COPING - SEE DETAILS 4, 5/A05.01.
2	WALL-MOUNTED ROOF ACCESS LADDER.
3	2" EXPANSION JOINT - SEE DETAILS 6,7/A05.04.
4	WALKWAY PADS.
5	MODIFIED BITUMEN ROOF SYSTEM OVER LWIC DECK. DECK IS STRUCTURALLY SLOPED EXCEPT @ ENTRANCE CANOPY.
6	LWIC CRICKET/SADDLE (SHADED) AT 1/2":1' SLOPE.
7	HVAC EQUIPMENT/EXHAUST FAN CURB - SEE DETAIL 2/A05.02.
8	6" W X 5" DP. GUTTER WITH 4" X 3" RECTANGULAR DOWNSPOUT. TIE DOWNSPOUTS INTO UNDERGROUND STORMWATER COLLECTION SYSTEM ON WEST SIDE OF S.S. ROOF AND EMPTY ONTO SPLASHBLOCKS ON THE EAST SIDE OF S.S. ROOF - SEE DETAIL 1/A05.03.
9	OVERFLOW DRAIN - SEE DETAIL 6/A05.02.
10	ROOF DRAIN WITH 4-FT. SUMP - SEE DETAIL 5/A05.02.
11	ROOF HATCH WITH SPECIAL PAINT COATING AND INTEGRAL OSHA COMPLIANT SAFETY RAILING WITH SWING GATE - SEE DETAIL 3/A05.02.
12	PIPE PENETRATION - SEE DETAIL 4/A05.02.
13	SLEEPER/ROOF CURB (SIM.) - SEE DETAIL 5/A05.04.
14	SNOW GUARDS ON STANDING SEAM ROOF.
15	STANDING SEAM METAL ROOF SYSTEM.
16	RADON VENTS - SEE DETAIL 4/A05.02.
17	OVERFLOW SCUPPER - SEE SCHEDULE ON ENLARGED PLANS AND DETAILS 1-3/A05.04.



1 ROOF PLAN- PARTIAL - AREA A

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

ROOF PLAN GENERAL NOTES

1. SEE A01.03 FOR SHEET SPECIFIC GRAPHICS & SYMBOLS.
2. LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE WITH STRUCTURAL, MECHANICAL PLANS AND EQUIPMENT SHOP DRAWINGS.
3. SEE PLUMBING DRAWINGS FOR VENT LOCATIONS.
4. SEE STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS.
5. ALL LOW SLOPED ROOFS TO BE MINIMUM 1/4" PER FOOT. ALL ROOF DRAINS TO BE INSTALLED IN 4'-0" X 4'-0" - SLOPED SUMP, TYPICAL.
6. PROVIDE CRICKETS W/ 1/2" SLOPE AT UPSLOPE SIDE OF CURBS 24" WIDE OR GREATER, TYP.
7. SLOPE ALL COPINGS BACK TO ROOF.
8. WOOD BLOCKING SHOWN IN ROOF DETAILING SHALL BE FIRE TREATED. USE STAINLESS STEEL FASTENERS IN SPACING COMPLIANT W/ ANSI/SPIRI ES-1/FM 1-49 REQUIREMENTS.
9. EXTEND ALL PENETRATIONS, CURBS, AND COMPONENTS A MINIMUM OF 8" ABOVE THE FINISHED ROOF SURFACE. PROVIDE 12" CLEAR HORIZONTAL DISTANCE BETWEEN PENETRATIONS AND ANY VERTICAL SURFACE.
10. IF NOT DETAILED, APPLY MOST STRINGENT CONDITION OF NRCA AND SMACNA (CURRENT EDITIONS) STANDARDS FOR ROOF DETAIL CONDITIONS.
11. PROVIDE PMMA FLASHINGS AT SMALL DIAMETER AND/OR SQUARE ROOF PENETRATIONS.

Wake County Public School System

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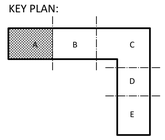
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION
	10/17/2023	100%
	4/10/2024	BID SET

KEY PLAN:



SHEET NAME:
ROOF PLAN- AREA A

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.03A

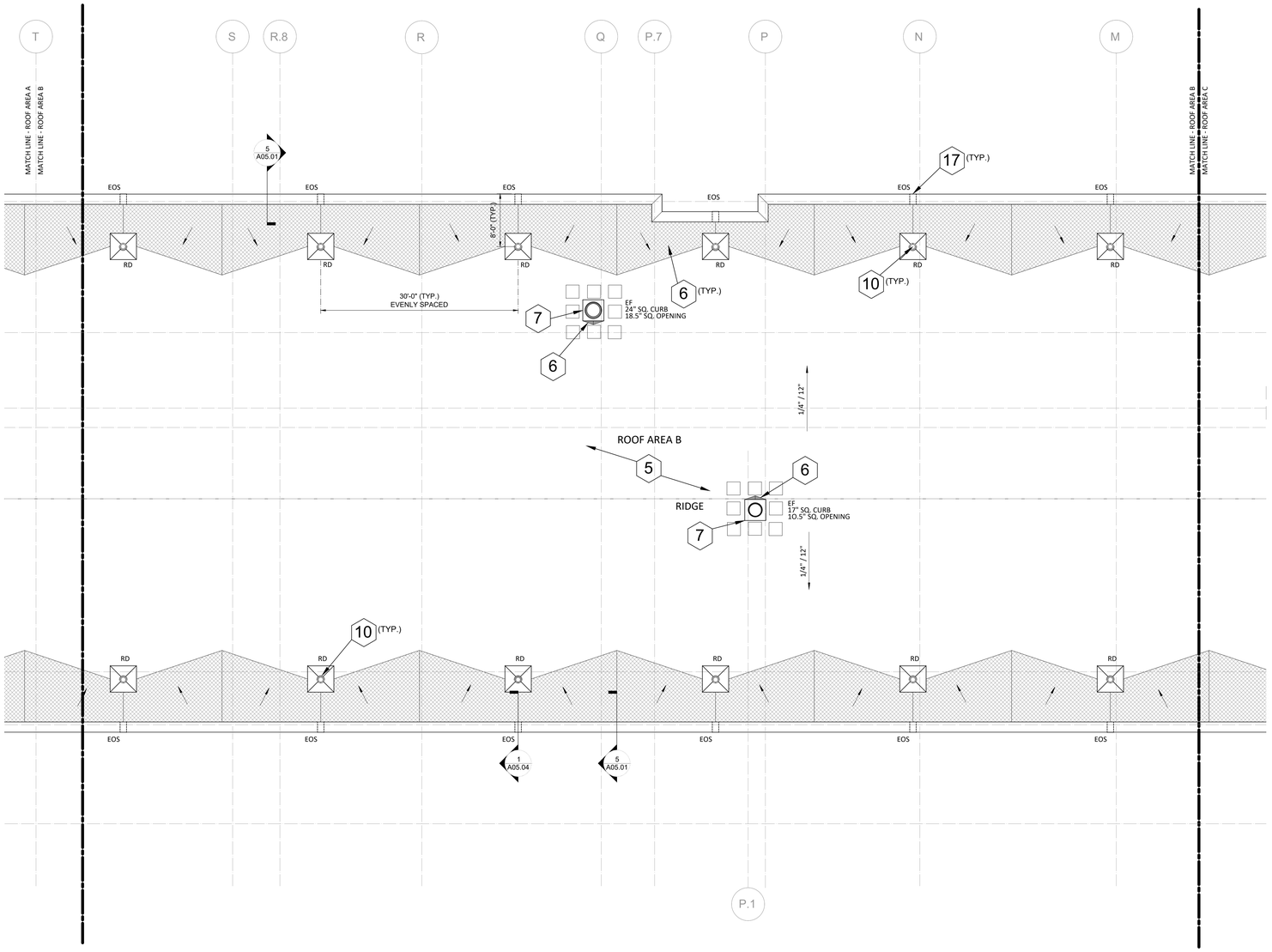
BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL PAPER SIZE

17 **OVERFLOW SCUPPER SCHEDULE: (SEE DETAILS 1,2,3/A05.04)**
1. 4" X 12" = NORTH AND SOUTH ROOF AREAS - UPPER A/B/C & LOWER WEST SIDE - ROOF AREA C.
2. 4" X 16" = LOWER ROOF AREA C, UPPER & LOWER ROOF AREA E.
3. 4" X 20" = ROOF AREA D.

ROOF PLAN KEYNOTES

NUMBER	NOTE
1	PREFINISHED 0.050" ALUMINUM COPING - SEE DETAILS 4, 5/A05.01.
2	WALL-MOUNTED ROOF ACCESS LADDER.
3	2" EXPANSION JOINT - SEE DETAILS 6,7/A05.04.
4	WALKWAY PADS.
5	MODIFIED BITUMEN ROOF SYSTEM OVER LWIC DECK. DECK IS STRUCTURALLY SLOPED EXCEPT @ ENTRANCE CANOPY.
6	LWIC CRICKET/SADDLE (SHADED) AT 1/2":1' SLOPE.
7	HVAC EQUIPMENT/EXHAUST FAN CURB - SEE DETAIL 2/A05.02.
8	6" W X 5" DP. GUTTER WITH 4" X 3" RECTANGULAR DOWNSPOUT. TIE DOWNSPOUTS INTO UNDERGROUND STORMWATER COLLECTION SYSTEM ON WEST SIDE OF S.S. ROOF AND EMPTY ONTO SPLASHBLOCKS ON THE EAST SIDE OF S.S. ROOF - SEE DETAIL 1/A05.03.
9	OVERFLOW DRAIN - SEE DETAIL 6/A05.02.
10	ROOF DRAIN WITH 4-FT. SUMP - SEE DETAIL 5/A05.02.
11	ROOF HATCH WITH SPECIAL PAINT COATING AND INTEGRAL OSHA COMPLIANT SAFETY RAILING WITH SWING GATE - SEE DETAIL 3/A05.02.
12	PIPE PENETRATION - SEE DETAIL 4/A05.02.
13	SLEEPER/ROOF CURB (SIM.) - SEE DETAIL 5/A05.04.
14	SNOW GUARDS ON STANDING SEAM ROOF.
15	STANDING SEAM METAL ROOF SYSTEM.
16	RADON VENTS - SEE DETAIL 4/A05.02.
17	OVERFLOW SCUPPER - SEE SCHEDULE ON ENLARGED PLANS AND DETAILS 1-3/A05.04.



1 **ROOF PLAN- PARTIAL - AREA B**
1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

ROOF PLAN GENERAL NOTES

1. SEE A01.03 FOR SHEET SPECIFIC GRAPHICS & SYMBOLS.
2. LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE WITH STRUCTURAL, MECHANICAL PLANS AND EQUIPMENT SHOP DRAWINGS.
3. SEE PLUMBING DRAWINGS FOR VENT LOCATIONS.
4. SEE STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS.
5. ALL LOW SLOPED ROOFS TO BE MINIMUM 1/4" PER FOOT. ALL ROOF DRAINS TO BE INSTALLED IN 4'-0" X 4'-0" - SLOPED SUMP, TYPICAL.
6. PROVIDE CRICKETS W/ 1/2" SLOPE AT UPSLOPE SIDE OF CURBS 24" WIDE OR GREATER, TYP.
7. SLOPE ALL COPINGS BACK TO ROOF.
8. WOOD BLOCKING SHOWN IN ROOF DETAILING SHALL BE FIRE TREATED. USE STAINLESS STEEL FASTENERS IN SPACING COMPLIANT W/ ANSI/SPIRI ES-1/FM 1-49 REQUIREMENTS.
9. EXTEND ALL PENETRATIONS, CURBS, AND COMPONENTS A MINIMUM OF 8" ABOVE THE FINISHED ROOF SURFACE. PROVIDE 12" CLEAR HORIZONTAL DISTANCE BETWEEN PENETRATIONS AND ANY VERTICAL SURFACE.
10. IF NOT DETAILED, APPLY MOST STRINGENT CONDITION OF NRCA AND SMACNA (CURRENT EDITIONS) STANDARDS FOR ROOF DETAIL CONDITIONS.
11. PROVIDE PMMA FLASHINGS AT SMALL DIAMETER AND/OR SQUARE ROOF PENETRATIONS.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

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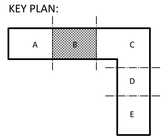
	10/17/2023	100%
	4/10/2024	BID SET

KEY PLAN:

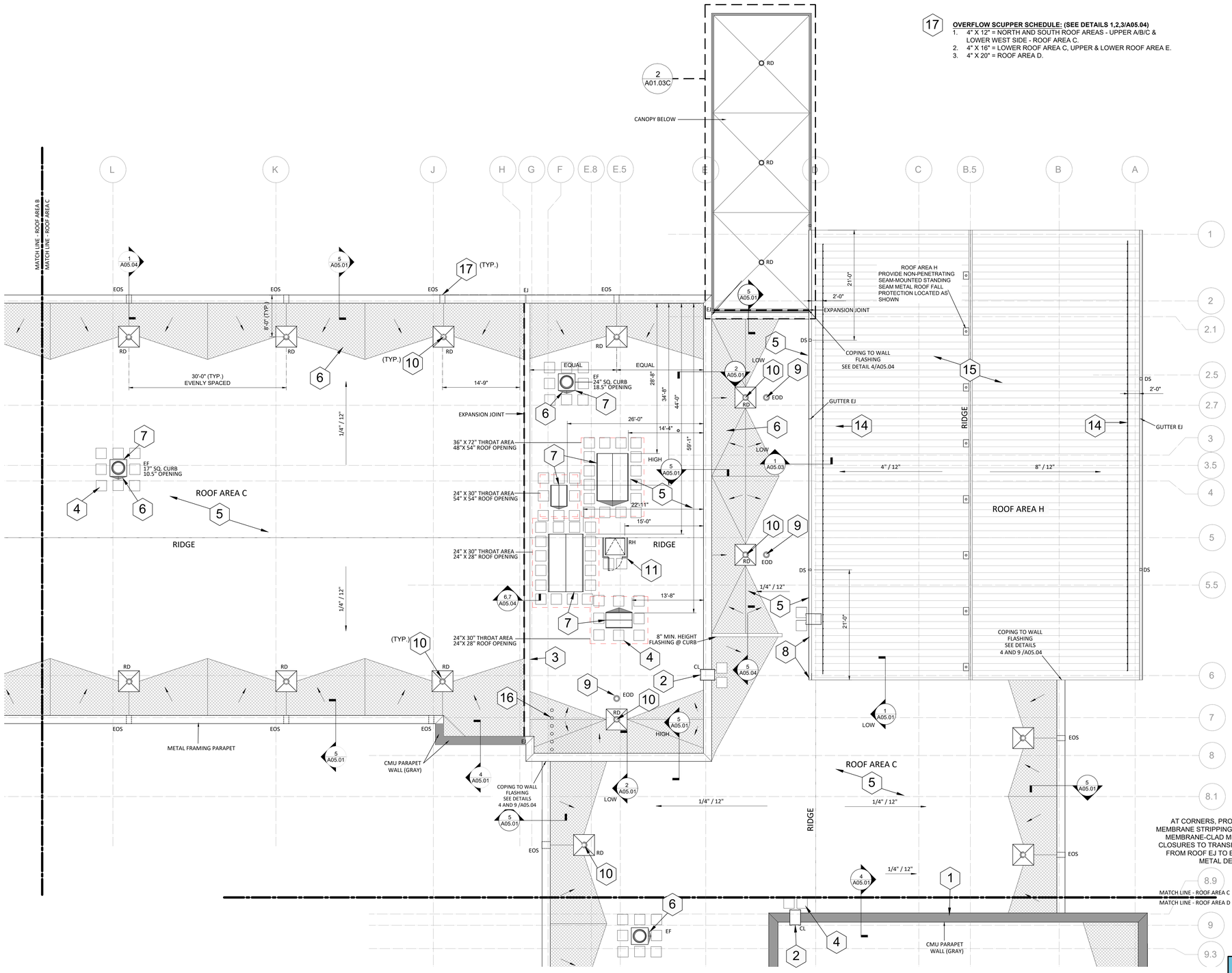


SHEET NAME:
ROOF PLAN- AREA B

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.03B

BID SET

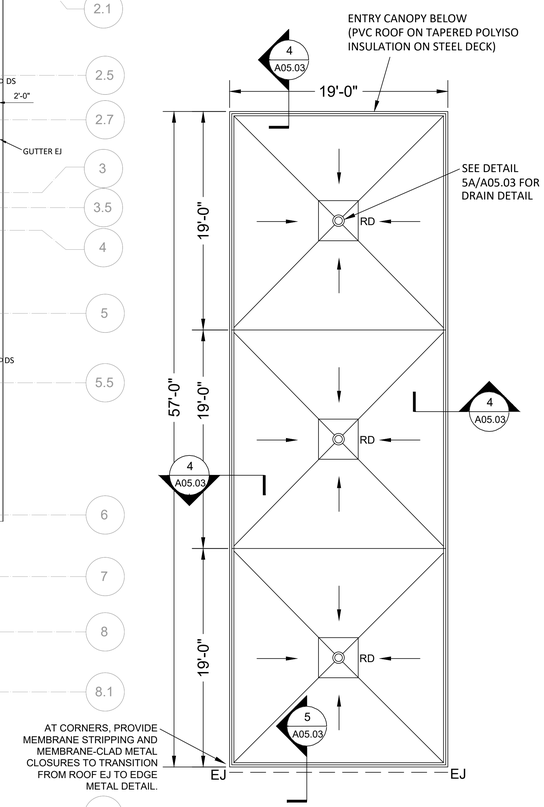


1 **ROOF PLAN- PARTIAL - AREA 2**
1/8" = 1'-0"

17 **OVERFLOW SCUPPER SCHEDULE: (SEE DETAILS 1,2,3/A05.04)**
1. 4" X 12" = NORTH AND SOUTH ROOF AREAS - UPPER A/B/C & LOWER WEST SIDE - ROOF AREA C.
2. 4" X 16" = LOWER ROOF AREA C, UPPER & LOWER ROOF AREA E.
3. 4" X 20" = ROOF AREA D.

ROOF PLAN KEYNOTES

NUMBER	NOTE
1	PREFINISHED 0.050" ALUMINUM COPING - SEE DETAILS 4, 5/A05.01.
2	WALL-MOUNTED ROOF ACCESS LADDER.
3	2" EXPANSION JOINT - SEE DETAILS 6,7/A05.04.
4	WALKWAY PADS.
5	MODIFIED BITUMEN ROOF SYSTEM OVER LWIC DECK. DECK IS STRUCTURALLY SLOPED EXCEPT @ ENTRANCE CANOPY.
6	LWIC CRICKET/SADDLE (SHADED) AT 1/2":1' SLOPE.
7	HVAC EQUIPMENT/EXHAUST FAN CURB - SEE DETAIL 2/A05.02.
8	6" W X 5" DP. GUTTER WITH 4" X 3" RECTANGULAR DOWNSPOUT. TIE DOWNSPOUTS INTO UNDERGROUND STORMWATER COLLECTION SYSTEM ON WEST SIDE OF S.S. ROOF AND EMPTY ONTO SPLASHBLOCKS ON THE EAST SIDE OF S.S. ROOF - SEE DETAIL 1/A05.03.
9	OVERFLOW DRAIN - SEE DETAIL 6/A05.02.
10	ROOF DRAIN WITH 4-FT. SUMP - SEE DETAIL 5/A05.02.
11	ROOF HATCH WITH SPECIAL PAINT COATING AND INTEGRAL OSHA COMPLIANT SAFETY RAILING WITH SWING GATE - SEE DETAIL 3/A05.02.
12	PIPE PENETRATION - SEE DETAIL 4/A05.02.
13	SLEEPER/ROOF CURB (SIM.) - SEE DETAIL 5/A05.04.
14	SNOW GUARDS ON STANDING SEAM ROOF.
15	STANDING SEAM METAL ROOF SYSTEM.
16	RADON VENTS - SEE DETAIL 4/A05.02.
17	OVERFLOW SCUPPER - SEE SCHEDULE ON ENLARGED PLANS AND DETAILS 1-3/A05.04.



2 **ENTRY CANOPY**
3/16" = 1'-0"

ROOF PLAN GENERAL NOTES

1. SEE A01.03 FOR SHEET SPECIFIC GRAPHICS & SYMBOLS.
2. LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE WITH STRUCTURAL, MECHANICAL PLANS AND EQUIPMENT SHOP DRAWINGS.
3. SEE PLUMBING DRAWINGS FOR VENT LOCATIONS.
4. SEE STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS.
5. ALL LOW SLOPED ROOFS TO BE MINIMUM 1/4" PER FOOT. ALL ROOF DRAINS TO BE INSTALLED IN 4'-0" X 4'-0" - SLOPED SUMP, TYPICAL.
6. PROVIDE CRICKETS W/ 1/2" SLOPE AT UPSLOPE SIDE OF CURBS 24" WIDE OR GREATER, TYP.
7. SLOPE ALL COPINGS BACK TO ROOF.
8. WOOD BLOCKING SHOWN IN ROOF DETAILING SHALL BE FIRE TREATED. USE STAINLESS STEEL FASTENERS IN SPACING COMPLIANT W/ ANSI/SPIRI ES-1/FM 1-49 REQUIREMENTS.
9. EXTEND ALL PENETRATIONS, CURBS, AND COMPONENTS A MINIMUM OF 8" ABOVE THE FINISHED ROOF SURFACE. PROVIDE 12" CLEAR HORIZONTAL DISTANCE BETWEEN PENETRATIONS AND ANY VERTICAL SURFACE.
10. IF NOT DETAILED, APPLY MOST STRINGENT CONDITION OF NRCA AND SMACNA (CURRENT EDITIONS) STANDARDS FOR ROOF DETAIL CONDITIONS.
11. PROVIDE PMMA FLASHINGS AT SMALL DIAMETER AND/OR SQUARE ROOF PENETRATIONS.

TRUE NORTH PROJECT NORTH

Wake County Public School System

LS3P
434 FAYETTEVILLE STREET SUITE 1700
RALEIGH, NORTH CAROLINA 27601
TEL. 919.829.2700 FAX. 919.829.2730
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Vu The Nguyen
REGISTERED ROOF CONSULTANT
RCI 0648
RCI, Inc.
4.4.2024

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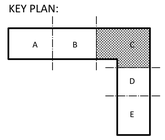
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION
	10/17/2023	100%
	4/10/2024	BID SET

KEY PLAN:



SHEET NAME:
ROOF PLAN- AREA C

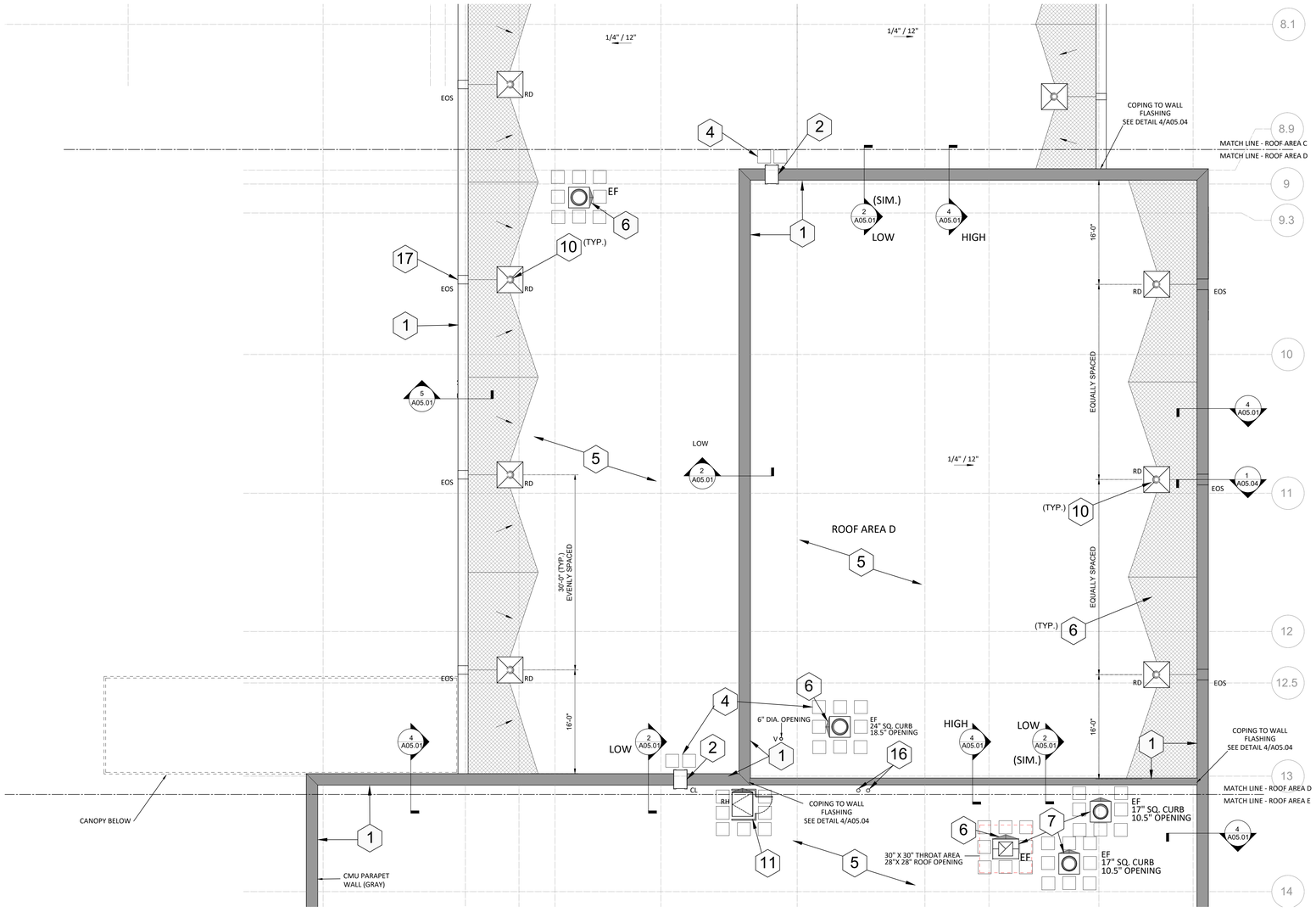
BID SET SUBMISSION: 2024.04.10

SHEET:
A01.03C

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCHITECTS ORIGINAL PLAN SHEET

17 **OVERFLOW SCUPPER SCHEDULE: (SEE DETAILS 1,2,3/A05.04)**
1. 4" X 12" = NORTH AND SOUTH ROOF AREAS - UPPER A/B/C & LOWER WEST SIDE - ROOF AREA C.
2. 4" X 16" = LOWER ROOF AREA C, UPPER & LOWER ROOF AREA E.
3. 4" X 20" = ROOF AREA D.



1 ROOF PLAN- PARTIAL - AREA D

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

ROOF PLAN KEYNOTES

NUMBER	NOTE
1	PREFINISHED 0.050" ALUMINUM COPING - SEE DETAILS 4, 5/A05.01.
2	WALL-MOUNTED ROOF ACCESS LADDER.
3	2" EXPANSION JOINT - SEE DETAILS 6,7/A05.04.
4	WALKWAY PADS.
5	MODIFIED BITUMEN ROOF SYSTEM OVER LWIC DECK. DECK IS STRUCTURALLY SLOPED EXCEPT @ ENTRANCE CANOPY.
6	LWIC CRICKET/SADDLE (SHADED) AT 1/2":1' SLOPE.
7	HVAC EQUIPMENT/EXHAUST FAN CURB - SEE DETAIL 2/A05.02.
8	6" W X 5" DP. GUTTER WITH 4" X 3" RECTANGULAR DOWNSPOUT. TIE DOWNSPOUTS INTO UNDERGROUND STORMWATER COLLECTION SYSTEM ON WEST SIDE OF S.S. ROOF AND EMPTY ONTO SPLASHBLOCKS ON THE EAST SIDE OF S.S. ROOF - SEE DETAIL 1/A05.03.
9	OVERFLOW DRAIN - SEE DETAIL 6/A05.02.
10	ROOF DRAIN WITH 4-FT. SUMP - SEE DETAIL 5/A05.02.
11	ROOF HATCH WITH SPECIAL PAINT COATING AND INTEGRAL OSHA COMPLIANT SAFETY RAILING WITH SWING GATE - SEE DETAIL 3/A05.02.
12	PIPE PENETRATION - SEE DETAIL 4/A05.02.
13	SLEEPER/ROOF CURB (SIM.) - SEE DETAIL 5/A05.04.
14	SNOW GUARDS ON STANDING SEAM ROOF.
15	STANDING SEAM METAL ROOF SYSTEM.
16	RADON VENTS - SEE DETAIL 4/A05.02.
17	OVERFLOW SCUPPER - SEE SCHEDULE ON ENLARGED PLANS AND DETAILS 1-3/A05.04.

ROOF PLAN GENERAL NOTES

1. SEE A01.03 FOR SHEET SPECIFIC GRAPHICS & SYMBOLS.
2. LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE WITH STRUCTURAL, MECHANICAL PLANS AND EQUIPMENT SHOP DRAWINGS.
3. SEE PLUMBING DRAWINGS FOR VENT LOCATIONS.
4. SEE STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS.
5. ALL LOW SLOPED ROOFS TO BE MINIMUM 1/4" PER FOOT. ALL ROOF DRAINS TO BE INSTALLED IN 4'-0" X 4'-0" - SLOPED SUMP, TYPICAL.
6. PROVIDE CRICKETS W/ 1/2" SLOPE AT UPSLOPE SIDE OF CURBS 24" WIDE OR GREATER, TYP.
7. SLOPE ALL COPINGS BACK TO ROOF.
8. WOOD BLOCKING SHOWN IN ROOF DETAILING SHALL BE FIRE TREATED. USE STAINLESS STEEL FASTENERS IN SPACING COMPLIANT W/ ANSI/SPIRI ES-1/FM 1-49 REQUIREMENTS.
9. EXTEND ALL PENETRATIONS, CURBS, AND COMPONENTS A MINIMUM OF 8" ABOVE THE FINISHED ROOF SURFACE. PROVIDE 12" CLEAR HORIZONTAL DISTANCE BETWEEN PENETRATIONS AND ANY VERTICAL SURFACE.
10. IF NOT DETAILED, APPLY MOST STRINGENT CONDITION OF NRCA AND SMACNA (CURRENT EDITIONS) STANDARDS FOR ROOF DETAIL CONDITIONS.
11. PROVIDE PMMA FLASHINGS AT SMALL DIAMETER AND/OR SQUARE ROOF PENETRATIONS.

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

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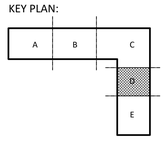
KEY PLAN:



SHEET NAME:
ROOF PLAN- AREA D

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.03D

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

17 **OVERFLOW SCUPPER SCHEDULE: (SEE DETAILS 1,2,3/A05.04)**
1. 4" X 12" = NORTH AND SOUTH ROOF AREAS - UPPER A/B/C & LOWER WEST SIDE - ROOF AREA C.
2. 4" X 16" = LOWER ROOF AREA C, UPPER & LOWER ROOF AREA E.
3. 4" X 20" = ROOF AREA D.

ROOF PLAN KEYNOTES

NUMBER	NOTE
1	PREFINISHED 0.050" ALUMINUM COPING - SEE DETAILS 4, 5/A05.01.
2	WALL-MOUNTED ROOF ACCESS LADDER.
3	2" EXPANSION JOINT - SEE DETAILS 6,7/A05.04.
4	WALKWAY PADS.
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9	OVERFLOW DRAIN - SEE DETAIL 6/A05.02.
10	ROOF DRAIN WITH 4-FT. SUMP - SEE DETAIL 5/A05.02.
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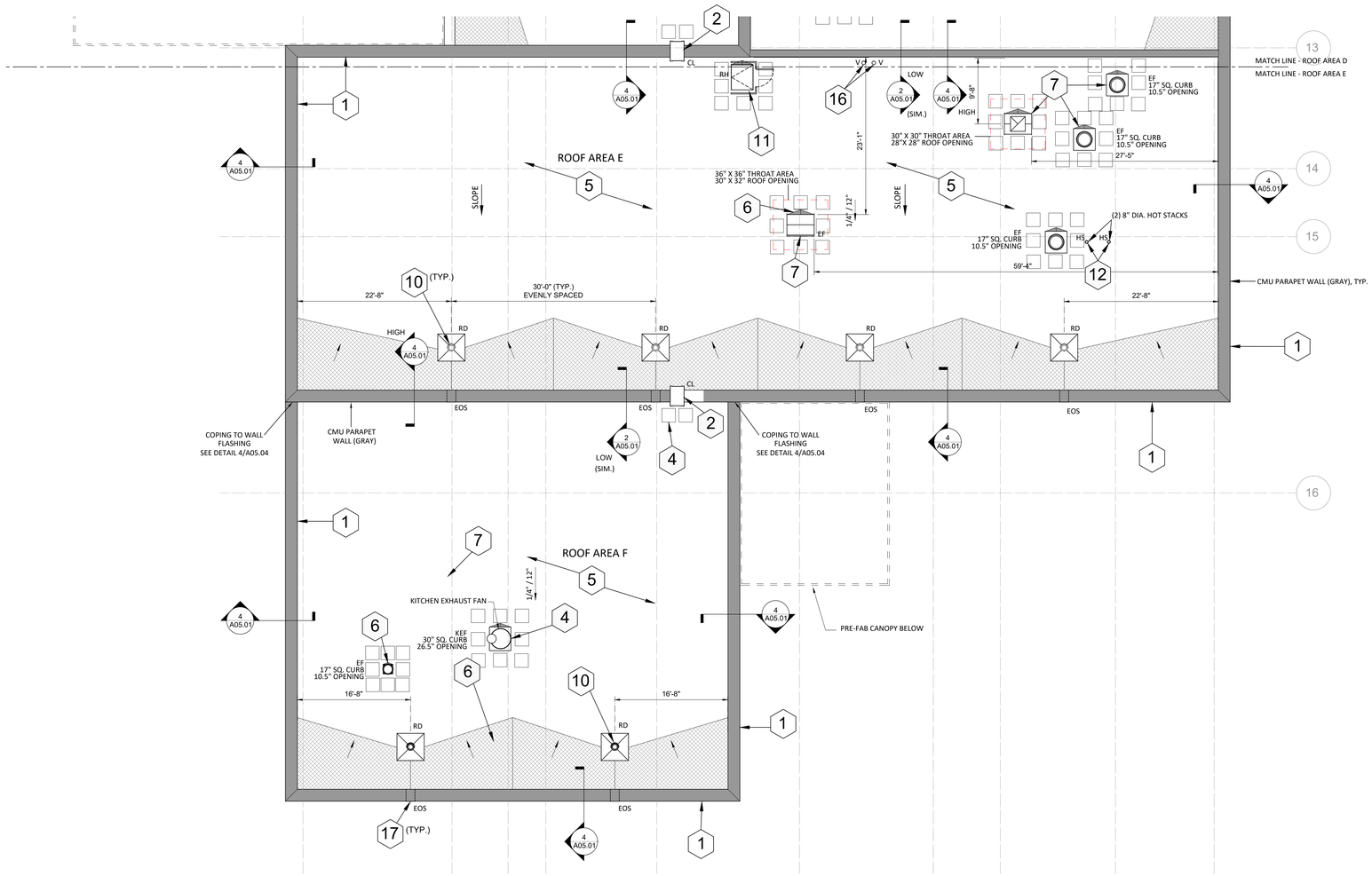
15	STANDING SEAM METAL ROOF SYSTEM.
16	RADON VENTS - SEE DETAIL 4/A05.02.
17	OVERFLOW SCUPPER - SEE SCHEDULE ON ENLARGED PLANS AND DETAILS 1-3/A05.04.



1 ROOF PLAN- PARTIAL - AREA E

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

ROOF PLAN GENERAL NOTES

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2. LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE WITH STRUCTURAL, MECHANICAL PLANS AND EQUIPMENT SHOP DRAWINGS.
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4. SEE STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS.
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11. PROVIDE PMMA FLASHINGS AT SMALL DIAMETER AND/OR SQUARE ROOF PENETRATIONS.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION
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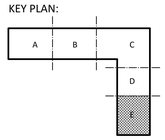
	4/10/2024	BID SET

KEY PLAN:



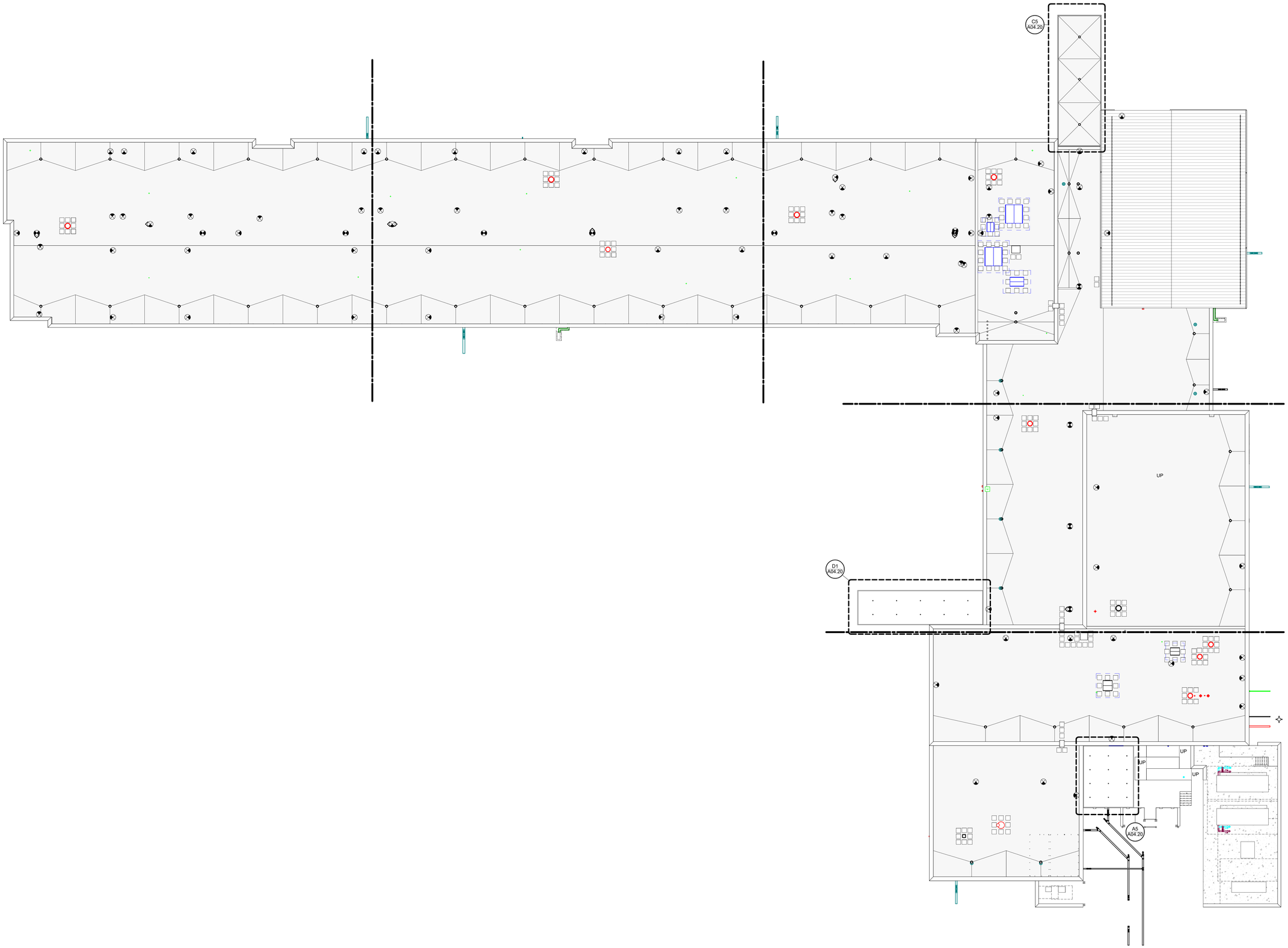
SHEET NAME:
ROOF PLAN- AREA E

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.03E

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ANSI D SIZE SHEETS ORIGINAL PAGE SIZE



A1 OVERALL CANOPY PLAN
1/16" = 1'-0"

Wake County Public School System

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MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

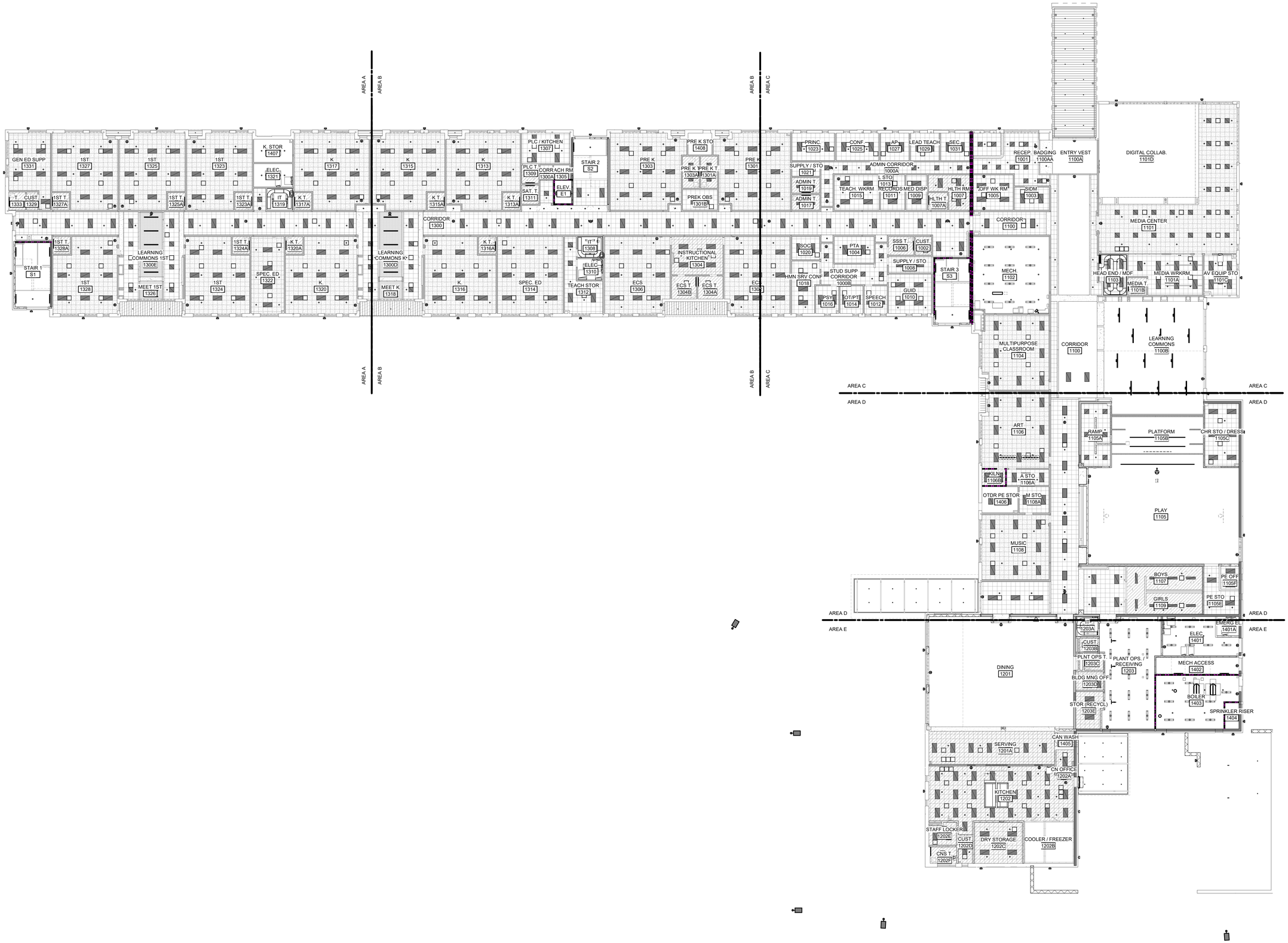
Δ	DATE	DESCRIPTION

SHEET NAME:
OVERALL CANOPY PLAN

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.04

BID SET



A1 **OVERALL RCP-LEVEL 1**

1/16" = 1'-0"

Wake County Public School System

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LS3P PROJECT: 8201-207411

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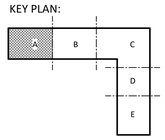
KEY PLAN:



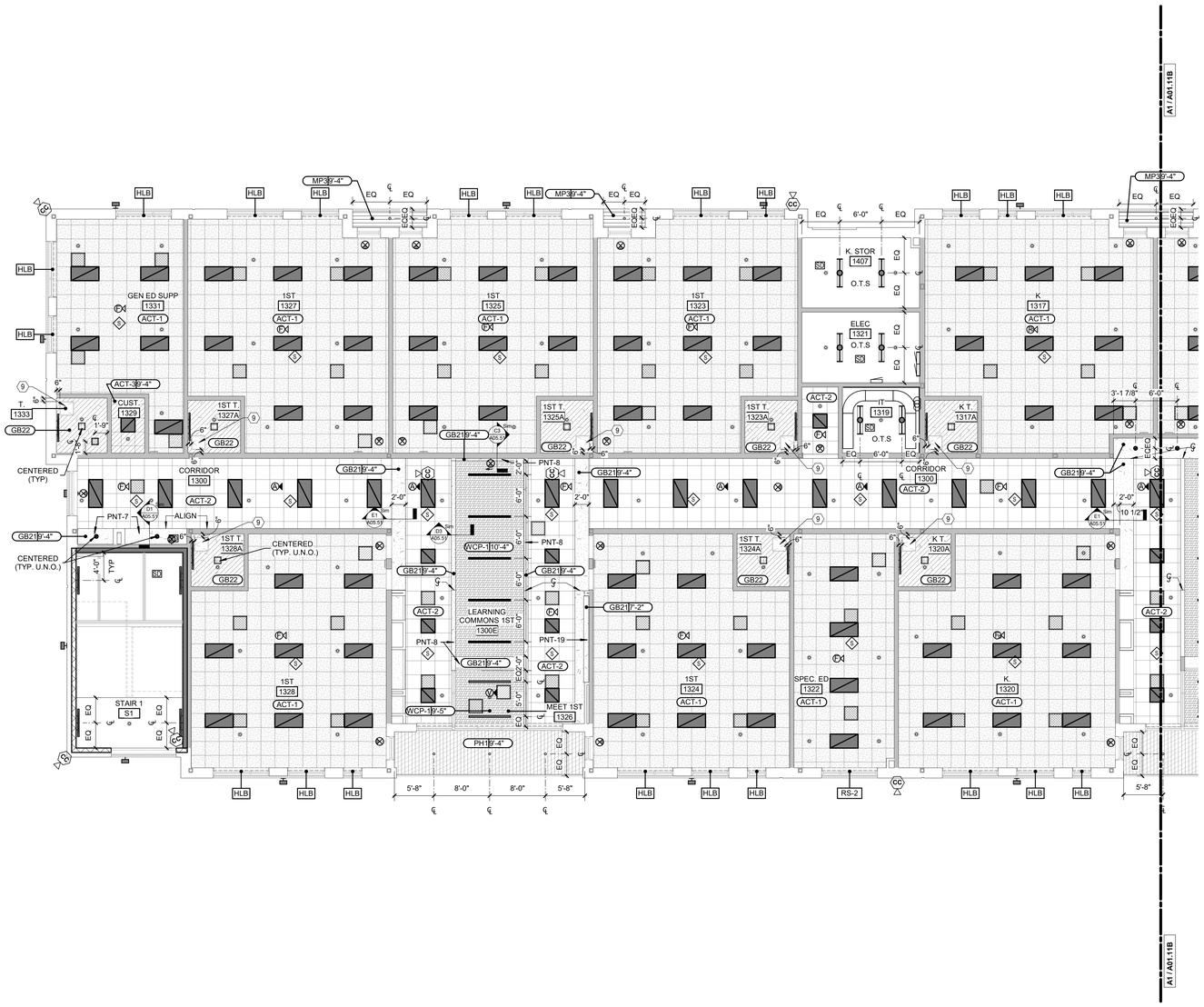
SHEET NAME:
REFLECTED CEILING PLAN-LEVEL 1

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.11

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



A1 RCP- PARTIAL- LEVEL 1 - AREA A

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
6	12W PROJECTION SCREEN
7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
9	ACCESS PANEL, COORDINATE EXACT LOCATION WITH MEP ABOVE
10	PENDANT LIGHT TYP, REF. ELECTRICAL

RCP LEGEND

MATERIAL PATTERNS

- GYP CEILING GB21
- MOISTURE RESISTANT GYP CEILING GB22
- FIRE RESISTANT GYP CEILING
- 24"x24" ACOUSTIC TILE CEILING SYSTEM NRC ACT-1
- 24"x24" ACOUSTIC TILE CEILING SYSTEM ACT-2
- 24"x24" VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3
- 24"x24" ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4
- WOOD CEILING SYSTEM WCP-1

O.T.S. OPEN TO STRUCTURE
O.T.A. OPEN TO ABOVE
PA / INTERCOM SPEAKER, SEE ELEC.

REF: CEILING TAGS AND SPECIFICATIONS

BUILDING ELEMENTS

- CEILING TYPE
- HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 24" x 24" ACCESS PANEL
- EXHAUST AIR DIFFUSER (ORTHAGONAL HATCH)
- RETURN AIR GRILLE (DIAGONAL HATCH)
- SUPPLY AIR GRILLE (CROSSHATCH)
- LIGHT FIXTURE (SHADED)
- LINEAR PENDANT LIGHT
- LINEAR RECESSED LIGHT
- 1 X 4 LED FIXTURE
- WALL MOUNTED LED FIXTURE
- LED FIXTURE
- TRACK LIGHTING
- SPRINKLER HEAD
- SD SMOKE DETECTOR, SEE ELEC.
- HD HEAT DETECTOR, SEE ELEC.
- F HORN/STROBE, SEE ELEC.
- V STROBE, SEE ELEC.
- SECURITY CAMERA, SEE ELEC.
- CEILING MTD. EXIT SIGN

SYMBOL SHAPES WILL VARY

REFLECTED CEILING PLAN SHEET NOTES

1. PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE CLASSIFICATIONS C, D, E & F.
2. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
3. CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION. OVERSIZED TILES SHALL BE INSTALLED WHERE TILES UNDER 6" OCCUR.
4. ALL CEILINGS TO BE 10'-0" AFF, UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK.
5. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
6. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
7. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPRINKLER HEADS, SPEAKERS, FIRE ALARM HORNS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN SIMILAR ITEMS ALONG A COMMON AXIS.
8. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
9. PROVIDE AND INSTALL CEILING ACCESS PANEL IN GYPSUM BOARD CEILINGS AT DEVICES REQUIRING ACCESS INCLUDING BUT NOT LIMITED TO BALANCING DAMPERS, SMOKE DETECTORS, VAV CONTROLS, PLUMBING VALVES, ELECTRICAL JUNCTION BOXES, ETC. MINIMIZE ACCESS DOORS WHERE POSSIBLE.
10. HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE 1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
11. TOUCH-UP PAINT EXPOSED EDGES OF CUT ACOUSTICAL CEILING TILE TO MATCH SURFACE(TYP).
12. INDIVIDUAL TRADE COMPONENTS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURE WHIPS, FLEXIBLE FIRE PROTECTION PIPING, LOW VOLTAGE WIRING, ETC. SHALL NOT BE SUPPORTED BY ACOUSTICAL CEILING SYSTEM.
13. GYPSUM BOARD SOFFITS TO BE PAINTED PNT-1 UNLESS NOTED OTHERWISE ON CEILING PLANS.

PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

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Swift Creek Elementary School

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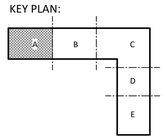
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



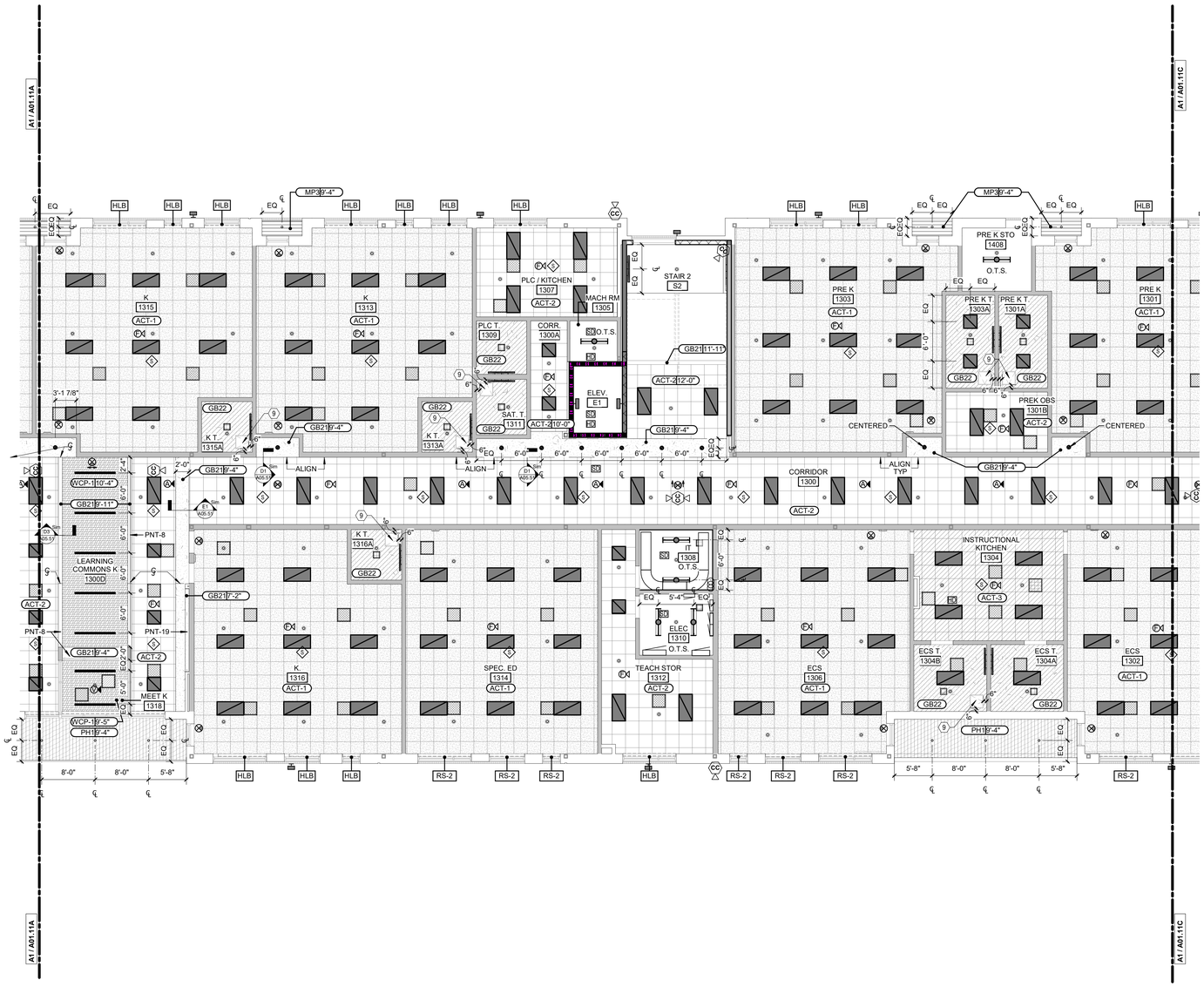
SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 1- AREA A

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.11A

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL PAPER SIZE



A1 RCP- PARTIAL- LEVEL 1 - AREA B

1/8" = 1'-0"

(N) RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
6	12'W PROJECTION SCREEN
7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
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10	PENDANT LIGHT TYP. REF. ELECTRICAL

RCP LEGEND

MATERIAL PATTERNS

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- FIRE RESISTANT GYP CEILING
- 24"x24" ACOUSTIC TILE CEILING SYSTEM NRC ACT-1
- 24"x24" ACOUSTIC TILE CEILING SYSTEM ACT-2
- 24"x24" VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3
- 24"x24" ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4
- WOOD CEILING SYSTEM WCP-1
- O.T.S. OPEN TO STRUCTURE
- O.T.A. OPEN TO ABOVE
- (S) PA / INTERCOM SPEAKER, SEE ELEC.

REF: CEILING TAGS AND SPECIFICATIONS

BUILDING ELEMENTS

- GB21 10'-0" — CEILING TYPE / HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 10'-0" — HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 24" x 24" ACCESS PANEL
- EXHAUST AIR DIFFUSER (ORTHAGONAL HATCH)
- RETURN AIR GRILLE (DIAGONAL HATCH)
- SUPPLY AIR GRILLE (CROSSHATCH)
- LIGHT FIXTURE (SHADED)
- LINEAR PENDANT LIGHT
- LINEAR RECESSED LIGHT
- 1 X 4 LED FIXTURE
- WALL MOUNTED LED FIXTURE
- LED FIXTURE
- TRACK LIGHTING
- SPRINKLER HEAD
- SD — SMOKE DETECTOR, SEE ELEC.
- HD — HEAT DETECTOR, SEE ELEC.
- F — HORN/STROBE, SEE ELEC.
- V — STROBE, SEE ELEC.
- SECURITY CAMERA, SEE ELEC.
- CEILING MTD. EXIT SIGN

SYMBOL SHAPES WILL VARY

REFLECTED CEILING PLAN SHEET NOTES

1. PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE CLASSIFICATIONS C, D, E & F.
2. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
3. CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION. OVERSIZED TILES SHALL BE INSTALLED WHERE TILES UNDER 6" OCCUR.
4. ALL CEILINGS TO BE 10'-0" AFF, UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK.
5. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
6. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
7. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPRINKLER HEADS, SPEAKERS, FIRE ALARM HORNS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN SIMILAR ITEMS ALONG A COMMON AXIS.
8. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
9. PROVIDE AND INSTALL CEILING ACCESS PANEL IN GYPSUM BOARD CEILINGS AT DEVICES REQUIRING ACCESS INCLUDING BUT NOT LIMITED TO BALANCING DAMPERS, SMOKE DETECTORS, VAV CONTROLS, PLUMBING VALVES, ELECTRICAL JUNCTION BOXES, ETC. MINIMIZE ACCESS DOORS WHERE POSSIBLE.
10. HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE 1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
11. TOUCH-UP PAINT EXPOSED EDGES OF CUT ACOUSTICAL CEILING TILE TO MATCH SURFACE(TYP).
12. INDIVIDUAL TRADE COMPONENTS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURE WHIPS, FLEXIBLE FIRE PROTECTION PIPING, LOW VOLTAGE WIRING, ETC. SHALL NOT BE SUPPORTED BY ACOUSTICAL CEILING SYSTEM.
13. GYPSUM BOARD SOFFITS TO BE PAINTED PNT-1 UNLESS NOTED OTHERWISE ON CEILING PLANS.

PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A65SX U.N.O.

GRAPHIC SAMPLE: **1 HOUR RATED CMU FIRE/SMOKE BARRIER:**

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

Wake County Public School System

LS3P

434 FAYETTEVILLE STREET SUITE 1700
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MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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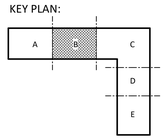
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 1- AREA B

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.11B

BID SET

A1 RCP- PARTIAL- LEVEL 1 - AREA C

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
6	12'W PROJECTION SCREEN
7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
9	ACCESS PANEL, COORDINATE EXACT LOCATION WITH MEP ABOVE
10	PENDANT LIGHT TYP. REF. ELECTRICAL

RCP LEGEND

MATERIAL PATTERNS

- GYP CEILING GB21
- MOISTURE RESISTANT GYP CEILING GB22
- FIRE RESISTANT GYP CEILING
- 24"x24" ACOUSTIC TILE CEILING SYSTEM NRC ACT-1
- 24"x24" ACOUSTIC TILE CEILING SYSTEM ACT-2
- 24"x24" VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3
- 24"x24" ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4
- WOOD CEILING SYSTEM WCP-1
- O.T.S. OPEN TO STRUCTURE
- O.T.A. OPEN TO ABOVE
- PA / INTERCOM SPEAKER, SEE ELEC.

REF: CEILING TAGS AND SPECIFICATIONS

BUILDING ELEMENTS

- CEILING TYPE
- HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 24" x 24" ACCESS PANEL
- EXHAUST AIR DIFFUSER (ORTHAGONAL HATCH)
- RETURN AIR GRILLE (DIAGONAL HATCH)
- SUPPLY AIR GRILLE (CROSSHATCH)
- LIGHT FIXTURE (SHADED)
- LINEAR PENDANT LIGHT
- LINEAR RECESSED LIGHT
- 1 X 4 LED FIXTURE
- WALL MOUNTED LED FIXTURE
- LED FIXTURE
- TRACK LIGHTING
- SPRINKLER HEAD
- SD SMOKE DETECTOR, SEE ELEC.
- HD HEAT DETECTOR, SEE ELEC.
- F HORN/STROBE, SEE ELEC.
- V STROBE, SEE ELEC.
- SECURITY CAMERA, SEE ELEC.
- CEILING MTD. EXIT SIGN

SYMBOL SHAPES WILL VARY

REFLECTED CEILING PLAN SHEET NOTES

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5. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
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PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A65X U.N.O.

GRAPHIC SAMPLE: **1 HOUR RATED CMU FIRE/SMOKE BARRIER:**

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
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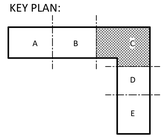
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



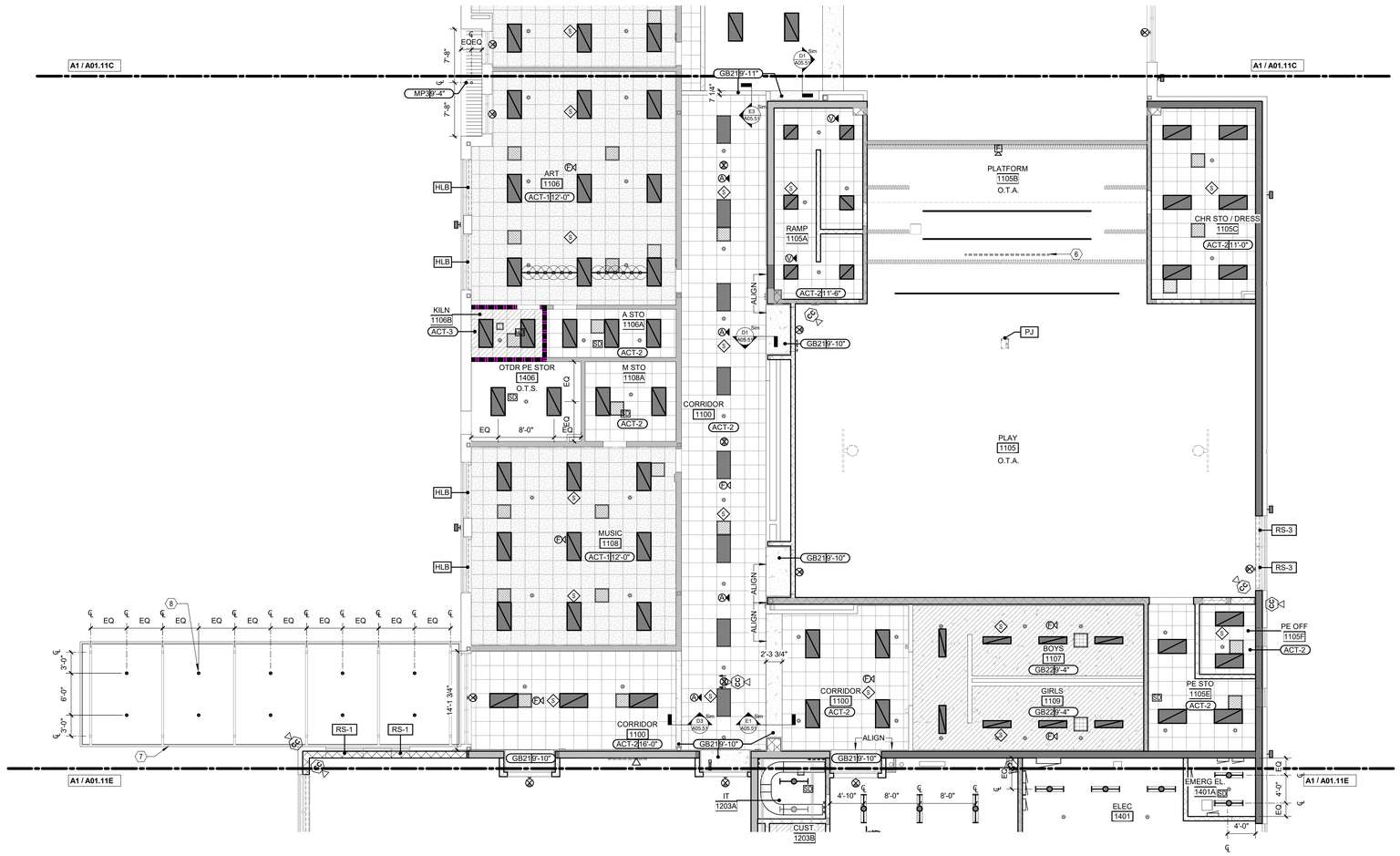
SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 1- AREA C

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.11C

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



A1 RCP- PARTIAL- LEVEL 1 - AREA D

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
6	12'W PROJECTION SCREEN
7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
9	ACCESS PANEL, COORDINATE EXACT LOCATION WITH MEP ABOVE
10	PENDANT LIGHT TYP, REF. ELECTRICAL

RCP LEGEND

MATERIAL PATTERNS

- GYP CEILING GB21
- MOISTURE RESISTANT GYP CEILING GB22
- FIRE RESISTANT GYP CEILING
- 24"x24" ACOUSTIC TILE CEILING SYSTEM NRC ACT-1
- 24"x24" ACOUSTIC TILE CEILING SYSTEM ACT-2
- 24"x24" VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3
- 24"x24" ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4
- WOOD CEILING SYSTEM WCP-1

BUILDING ELEMENTS

- GB21 10'-0" — CEILING TYPE / HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 10'-0" — HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 24" x 24" ACCESS PANEL
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- RETURN AIR GRILLE (DIAGONAL HATCH)
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- S — SECURITY CAMERA, SEE ELEC.
- CEILING MTD. EXIT SIGN
- O.T.S. — OPEN TO STRUCTURE
- O.T.A. — OPEN TO ABOVE
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REF: CEILING TAGS AND SPECIFICATIONS — SYMBOL SHAPES WILL VARY

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PARTITION GRAPHICS

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2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A65SX U.N.O.

GRAPHIC SAMPLE: **1 HOUR RATED CMU FIRE/SMOKE BARRIER:**

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
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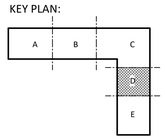
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:

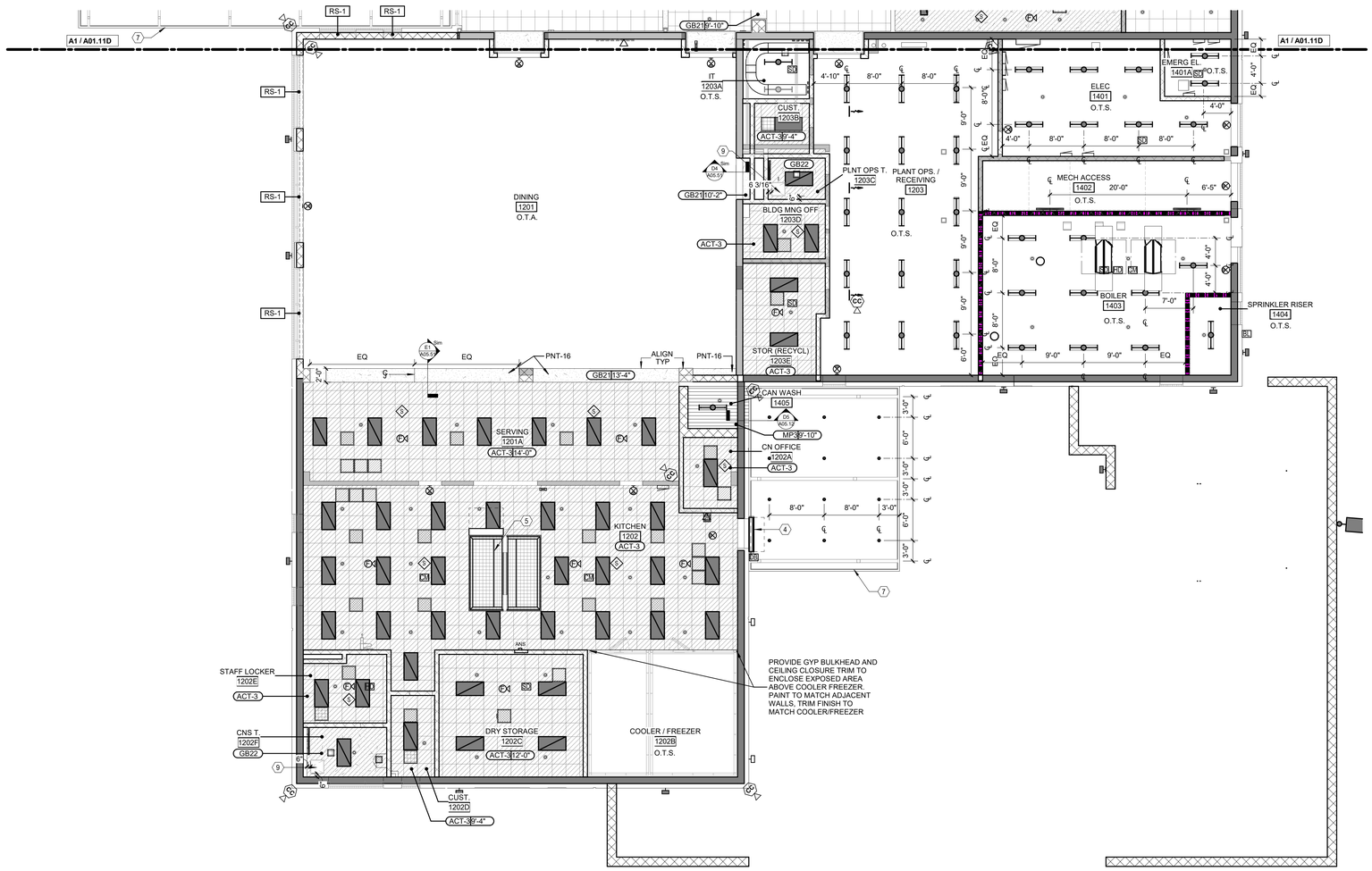


SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 1- AREA D

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.11D

BID SET



A1 RCP- PARTIAL- LEVEL 1 - AREA E

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
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7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
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RCP LEGEND

MATERIAL PATTERNS

- GYP CEILING GB21
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- FIRE RESISTANT GYP CEILING
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- O.T.S. OPEN TO STRUCTURE
- O.T.A. OPEN TO ABOVE
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REF: CEILING TAGS AND SPECIFICATIONS

BUILDING ELEMENTS

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- HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
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SYMBOL SHAPES WILL VARY

REFLECTED CEILING PLAN SHEET NOTES

1. PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE CLASSIFICATIONS C, D, E & F.
2. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
3. CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION. OVERSIZED TILES SHALL BE INSTALLED WHERE TILES UNDER 6" OCCUR.
4. ALL CEILINGS TO BE 10'-0" AFF, UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK.
5. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
6. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
7. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPRINKLER HEADS, SPEAKERS, FIRE ALARM HORNS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN SIMILAR ITEMS ALONG A COMMON AXIS.
8. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
9. PROVIDE AND INSTALL CEILING ACCESS PANEL IN GYPSUM BOARD CEILINGS AT DEVICES REQUIRING ACCESS INCLUDING BUT NOT LIMITED TO BALANCING DAMPERS, SMOKE DETECTORS, VAV CONTROLS, PLUMBING VALVES, ELECTRICAL JUNCTION BOXES, ETC. MINIMIZE ACCESS DOORS WHERE POSSIBLE.
10. HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE 1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
11. TOUCH-UP PAINT EXPOSED EDGES OF CUT ACOUSTICAL CEILING TILE TO MATCH SURFACE(TYP).
12. INDIVIDUAL TRADE COMPONENTS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURE WHIPS, FLEXIBLE FIRE PROTECTION PIPING, LOW VOLTAGE WIRING, ETC. SHALL NOT BE SUPPORTED BY ACOUSTICAL CEILING SYSTEM.
13. GYPSUM BOARD SOFFITS TO BE PAINTED PNT-1 UNLESS NOTED OTHERWISE ON CEILING PLANS.

PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

Wake County Public School System

LS3P
434 FAYETTEVILLE STREET SUITE 1700
RALEIGH, NORTH CAROLINA 27601
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WWW.LS3P.COM

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MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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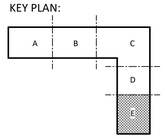
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



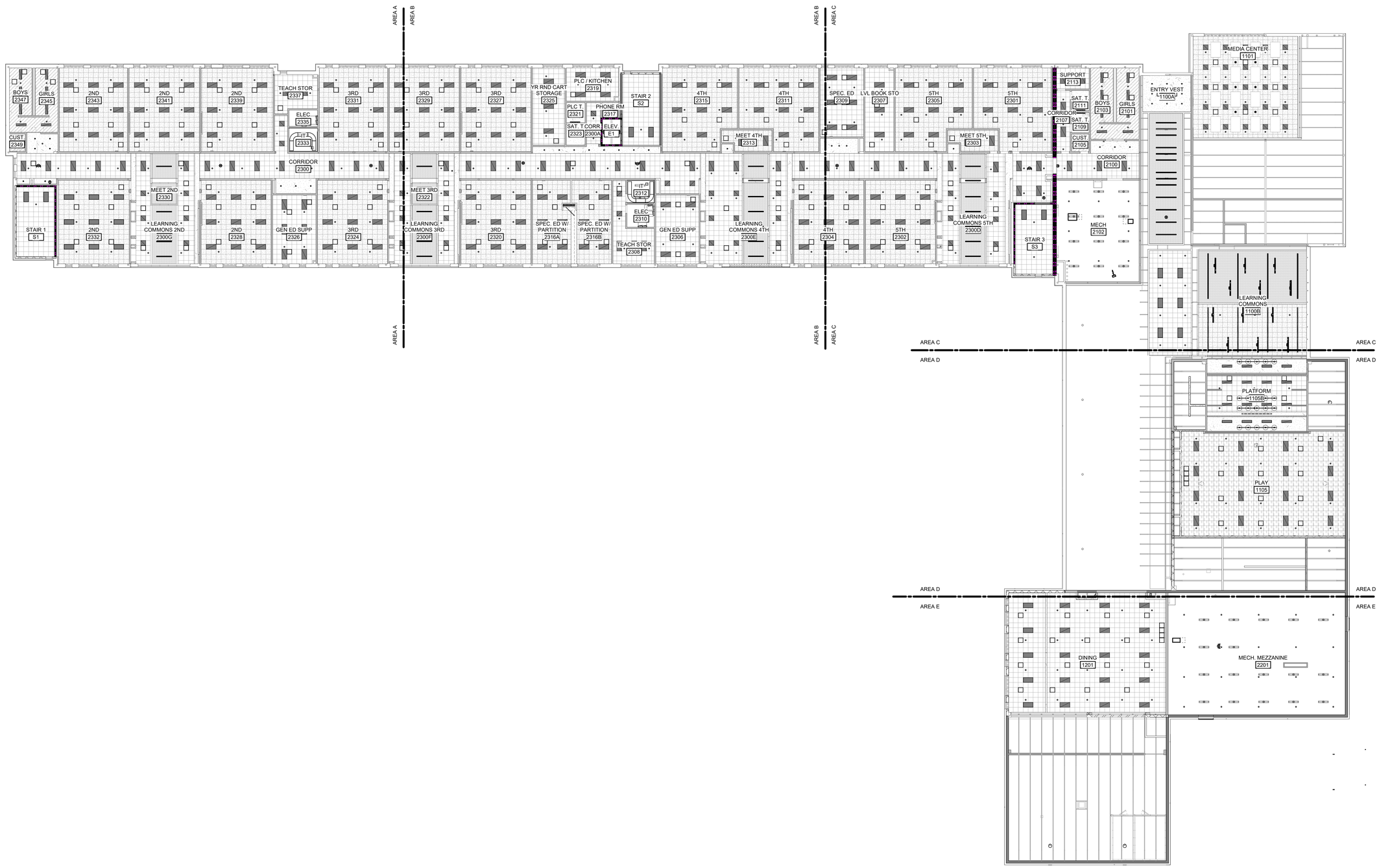
SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 1- AREA E

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.11E

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



A1 OVERALL RCP-LEVEL 2

1/16" = 1'-0"

Wake County Public School System

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5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

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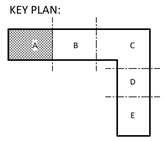


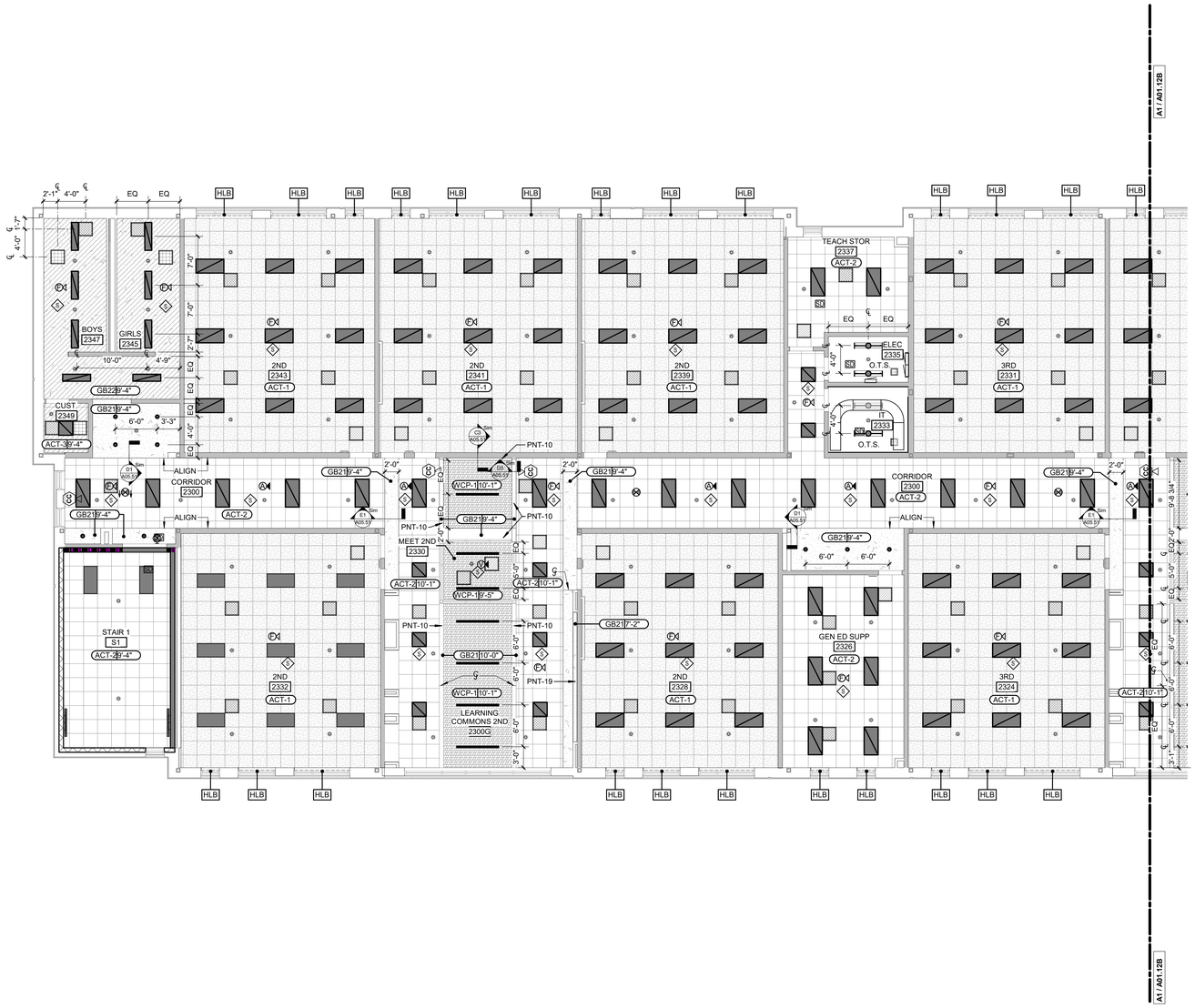
SHEET NAME:
REFLECTED CEILING PLAN-LEVEL 2

BID SET SUBMISSION: 2024.04.10

SHEET: A01.12

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



A1 RCP- PARTIAL- LEVEL 2 - AREA A

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
6	12'W PROJECTION SCREEN
7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
9	ACCESS PANEL, COORDINATE EXACT LOCATION WITH MEP ABOVE
10	PENDANT LIGHT TYP, REF. ELECTRICAL

RCP LEGEND

MATERIAL PATTERNS

- GYP CEILING GB21
- MOISTURE RESISTANT GYP CEILING GB22
- FIRE RESISTANT GYP CEILING
- 24"x24" ACOUSTIC TILE CEILING SYSTEM NRC ACT-1
- 24"x24" ACOUSTIC TILE CEILING SYSTEM ACT-2
- 24"x24" VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3
- 24"x24" ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4
- WOOD CEILING SYSTEM WCP-1
- O.T.S. OPEN TO STRUCTURE
- O.T.A. OPEN TO ABOVE
- PA / INTERCOM SPEAKER, SEE ELEC.

REF: CEILING TAGS AND SPECIFICATIONS

BUILDING ELEMENTS

- GB21 10'-0" — CEILING TYPE / HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 10'-0" — HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 24" x 24" ACCESS PANEL
- EXHAUST AIR DIFFUSER (ORTHAGONAL HATCH)
- RETURN AIR GRILLE (DIAGONAL HATCH)
- SUPPLY AIR GRILLE (CROSSHATCH)
- LIGHT FIXTURE (SHADED)
- LINEAR PENDANT LIGHT
- LINEAR RECESSED LIGHT
- 1 X 4 LED FIXTURE
- WALL MOUNTED LED FIXTURE
- LED FIXTURE
- TRACK LIGHTING
- SPRINKLER HEAD
- SD — SMOKE DETECTOR, SEE ELEC.
- HD — HEAT DETECTOR, SEE ELEC.
- F — HORN/STROBE, SEE ELEC.
- V — STROBE, SEE ELEC.
- SECURITY CAMERA, SEE ELEC.
- CEILING MTD. EXIT SIGN

SYMBOL SHAPES WILL VARY

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3. CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION. OVERSIZED TILES SHALL BE INSTALLED WHERE TILES UNDER 6" OCCUR.
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5. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
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PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

8M1C

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
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- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
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Swift Creek Elementary School

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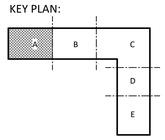
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:

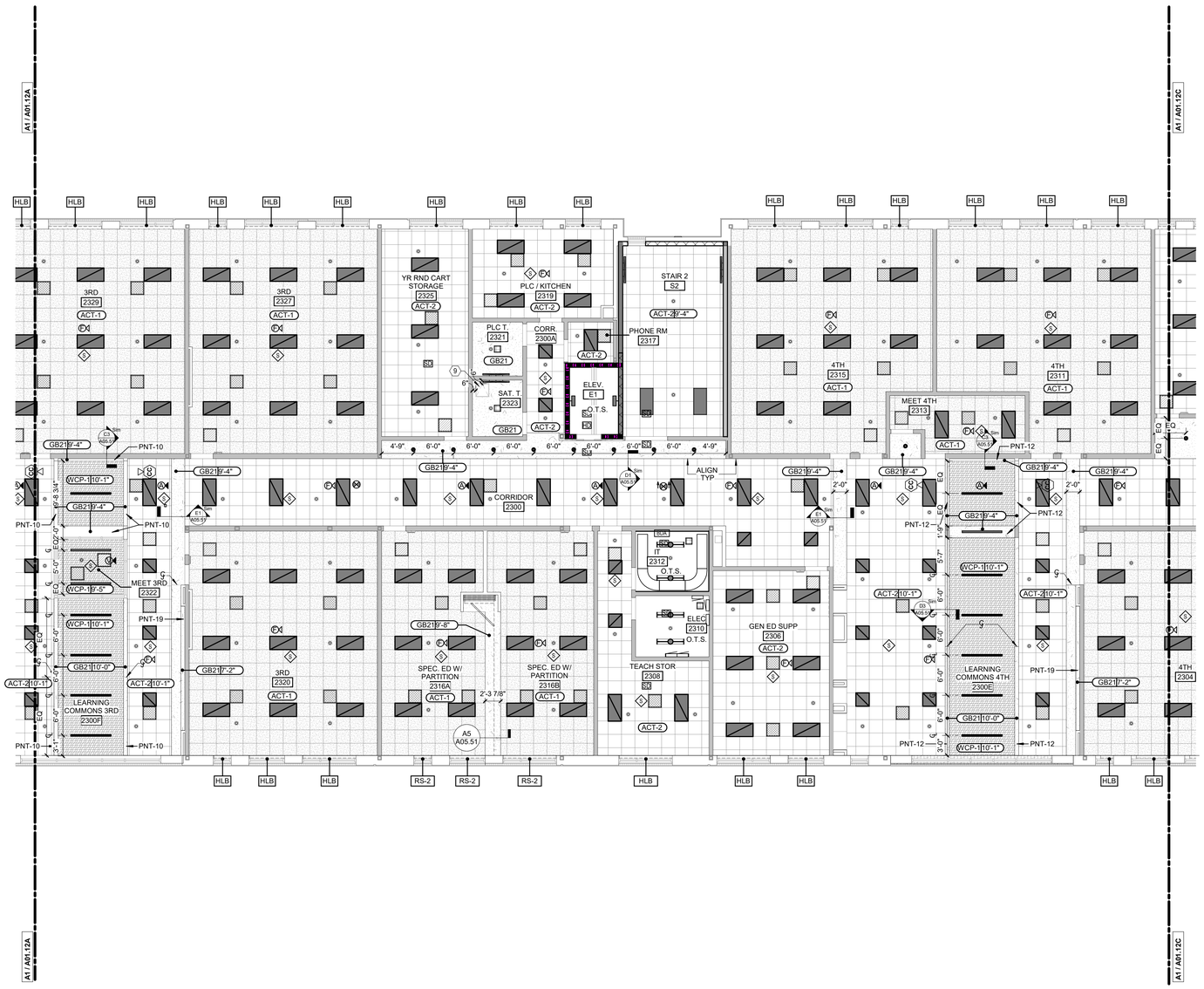


SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 2- AREA A

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.12A

BID SET



A1 RCP- PARTIAL- LEVEL 2 - AREA B

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
6	12'W PROJECTION SCREEN
7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
9	ACCESS PANEL, COORDINATE EXACT LOCATION WITH MEP ABOVE
10	PENDANT LIGHT TYP. REF. ELECTRICAL

RCP LEGEND

MATERIAL PATTERNS

- GYP CEILING GB21
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- FIRE RESISTANT GYP CEILING
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- 24"x24" ACOUSTIC TILE CEILING SYSTEM ACT-2
- 24"x24" VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3
- 24"x24" ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4
- WOOD CEILING SYSTEM WCP-1
- O.T.S. OPEN TO STRUCTURE
- O.T.A. OPEN TO ABOVE
- PA / INTERCOM SPEAKER, SEE ELEC.

REF: CEILING TAGS AND SPECIFICATIONS

BUILDING ELEMENTS

- GB21 10'-0" — CEILING TYPE; HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 10'-0" — HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
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- WALL MOUNTED LED FIXTURE
- LED FIXTURE
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- SPRINKLER HEAD
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- HD — HEAT DETECTOR, SEE ELEC.
- F — HORN/STROBE, SEE ELEC.
- V — STROBE, SEE ELEC.
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SYMBOL SHAPES WILL VARY

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PARTITION GRAPHICS

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8M1C

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COLOR LEGEND

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LS3P PROJECT: 8201-207411

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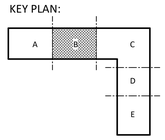
KEY PLAN:



SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 2- AREA B

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.12B

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

A1 RCP- PARTIAL- LEVEL 2 - AREA C

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
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RCP LEGEND

MATERIAL PATTERNS

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O.T.A. OPEN TO ABOVE

(S) PA / INTERCOM SPEAKER, SEE ELEC.

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- EXHAUST AIR DIFFUSER (ORTHAGONAL HATCH)
- RETURN AIR GRILLE (DIAGONAL HATCH)
- SUPPLY AIR GRILLE (CROSSHATCH)
- LIGHT FIXTURE (SHADED)
- LINEAR PENDANT LIGHT
- LINEAR RECESSED LIGHT
- 1 X 4 LED FIXTURE
- WALL MOUNTED LED FIXTURE
- LED FIXTURE
- TRACK LIGHTING
- SPRINKLER HEAD
- SD SMOKE DETECTOR, SEE ELEC.
- HD HEAT DETECTOR, SEE ELEC.
- F HORN/STROBE, SEE ELEC.
- V STROBE, SEE ELEC.
- C SECURITY CAMERA, SEE ELEC.
- CEILING MTD. EXIT SIGN

SYMBOL SHAPES WILL VARY

REFLECTED CEILING PLAN SHEET NOTES

1. PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE CLASSIFICATIONS C, D, E & F.
2. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
3. CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION. OVERSIZED TILES SHALL BE INSTALLED WHERE TILES UNDER 6" OCCUR.
4. ALL CEILINGS TO BE 10'-0" AFF, UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK.
5. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
6. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES. MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
7. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPRINKLER HEADS, SPEAKERS, FIRE ALARM HORNS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN SIMILAR ITEMS ALONG A COMMON AXIS.
8. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
9. PROVIDE AND INSTALL CEILING ACCESS PANEL IN GYPSUM BOARD CEILINGS AT DEVICES REQUIRING ACCESS INCLUDING BUT NOT LIMITED TO BALANCING DAMPERS, SMOKE DETECTORS, VAV CONTROLS, PLUMBING VALVES, ELECTRICAL JUNCTION BOXES, ETC. MINIMIZE ACCESS DOORS WHERE POSSIBLE.
10. HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE 1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
11. TOUCH-UP PAINT EXPOSED EDGES OF CUT ACOUSTICAL CEILING TILE TO MATCH SURFACE(TYP).
12. INDIVIDUAL TRADE COMPONENTS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURE WHIPS, FLEXIBLE FIRE PROTECTION PIPING, LOW VOLTAGE WIRING, ETC. SHALL NOT BE SUPPORTED BY ACOUSTICAL CEILING SYSTEM.
13. GYPSUM BOARD SOFFITS TO BE PAINTED PNT-1 UNLESS NOTED OTHERWISE ON CEILING PLANS.

PARTITION GRAPHICS

1. ALL INTERIOR MASONRY PARTITIONS TO BE 8" CMU U.N.O. - SEE PLANS FOR 12" CMU LOCATIONS.

2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
- RATED **FIRE PARTITION** TO DECK
- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
- RATED **FIRE WALL** TO DECK

Wake County Public School System

LS3P

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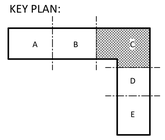
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



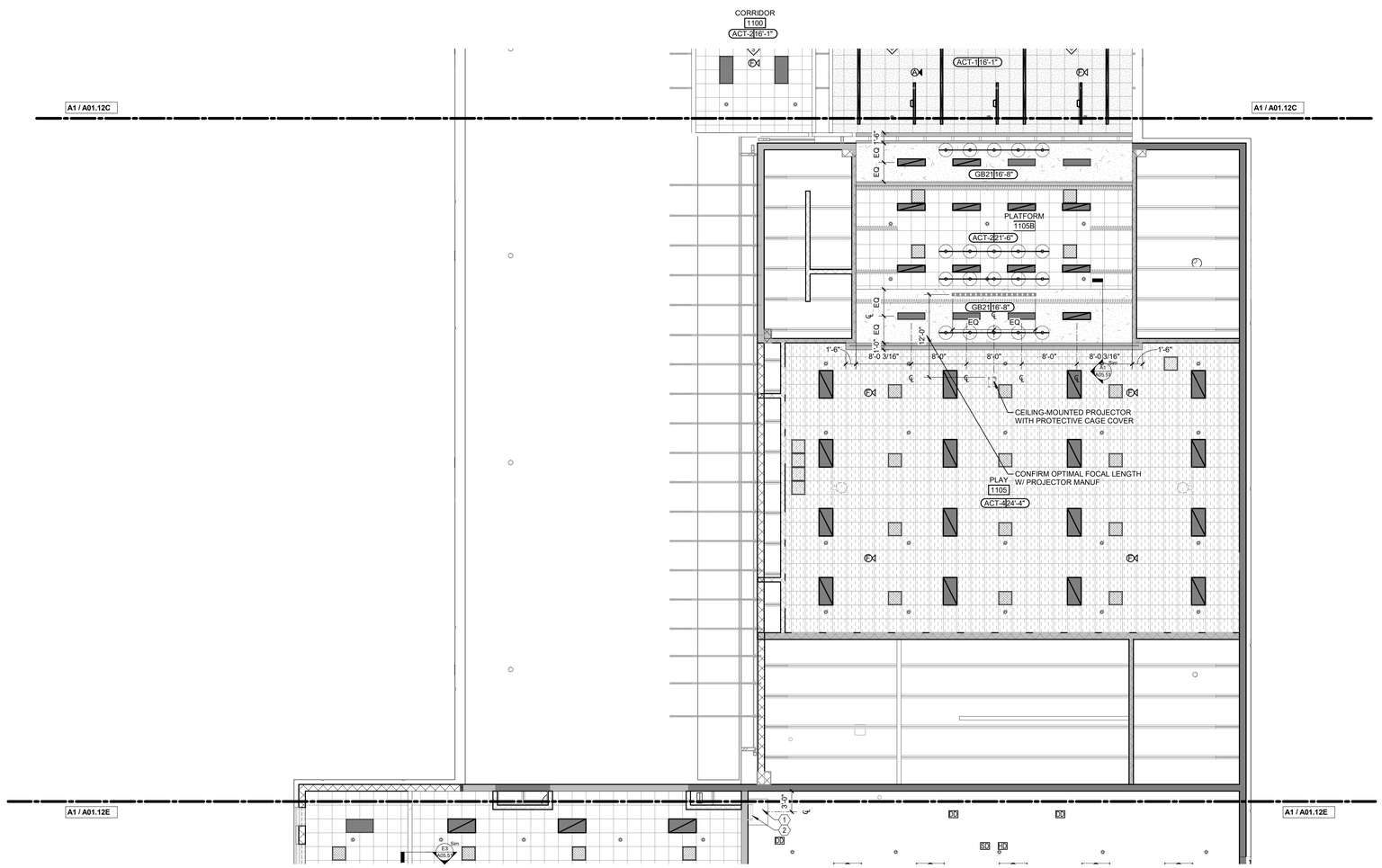
SHEET NAME: REFLECTED CEILING PLAN- LEVEL 2- AREA C

BID SET SUBMISSION: 2024.04.10

SHEET: **A01.12C**

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



RCP NOTES BY NUMBER

NUMBER	NOTE
1	ROOF ACCESS HATCH WITH FALL PROTECTION RAILING
2	WALL-MOUNTED LADDER TO ROOF ACCESS HATCH
3	EXTERIOR STEEL FRAMED CANOPY
4	AIR SCREEN REFER TO FOOD SERVICE DRAWINGS
5	KITCHEN HOOD, SEE MECHANICAL
6	12'W PROJECTION SCREEN
7	PRE-FABRICATED CANOPY
8	PRE-FAB CANOPY LIGHTING. RUN CONDUIT TIGHT TO BEAMS AND COLUMNS. PAINT EXPOSED CONDUIT TO MATCH CANOPY METAL.
9	ACCESS PANEL, COORDINATE EXACT LOCATION WITH MEP ABOVE
10	PENDANT LIGHT TYP, REF. ELECTRICAL

RCP LEGEND

MATERIAL PATTERNS

- GYP CEILING GB21
- MOISTURE RESISTANT GYP CEILING GB22
- FIRE RESISTANT GYP CEILING
- 24"x24" ACOUSTIC TILE CEILING SYSTEM NRC ACT-1
- 24"x24" ACOUSTIC TILE CEILING SYSTEM ACT-2
- 24"x24" VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3
- 24"x24" ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4
- WOOD CEILING SYSTEM WCP-1
- O.T.S. OPEN TO STRUCTURE
- O.T.A. OPEN TO ABOVE
- PA / INTERCOM SPEAKER, SEE ELEC.

REF: CEILING TAGS AND SPECIFICATIONS

BUILDING ELEMENTS

- GB21 10'-0" — CEILING TYPE; HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- 10'-0" — HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
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- SPRINKLER HEAD
- SD — SMOKE DETECTOR, SEE ELEC.
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SYMBOL SHAPES WILL VARY

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PARTITION GRAPHICS

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2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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FILL PATTERN LEGEND

- 30 MIN-RATED PARTITION
- 1 HOUR-RATED PARTITION
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- 4 HOUR-RATED PARTITION

COLOR LEGEND

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- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
- RATED **SMOKE BARRIER** TO DECK
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- RATED **FIRE/SMOKE BARRIER** TO DECK
- RATED **FIRE BARRIER** TO DECK
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A1 RCP- PARTIAL- LEVEL 2 - AREA D

1/8" = 1'-0"

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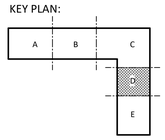
Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 2- AREA D

BID SET SUBMISSION: 2024.04.10

SHEET:
A01.12D

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL SHEETS. ORIGINAL PAGE SIZE

A1 RCP- PARTIAL- LEVEL 2 - AREA E

1/8" = 1'-0"

RCP NOTES BY NUMBER

NUMBER	NOTE
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6	12'W PROJECTION SCREEN
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RCP LEGEND

MATERIAL PATTERNS

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- FIRE RESISTANT GYP CEILING
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PARTITION GRAPHICS

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2. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A6SX U.N.O.

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

8MU C

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- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
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- 1 HOUR-RATED PARTITION
- 2 HOUR-RATED PARTITION
- 3 HOUR-RATED PARTITION
- 4 HOUR-RATED PARTITION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED **SMOKE PARTITION** TO DECK
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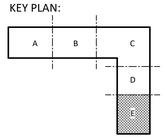
LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

KEY PLAN:



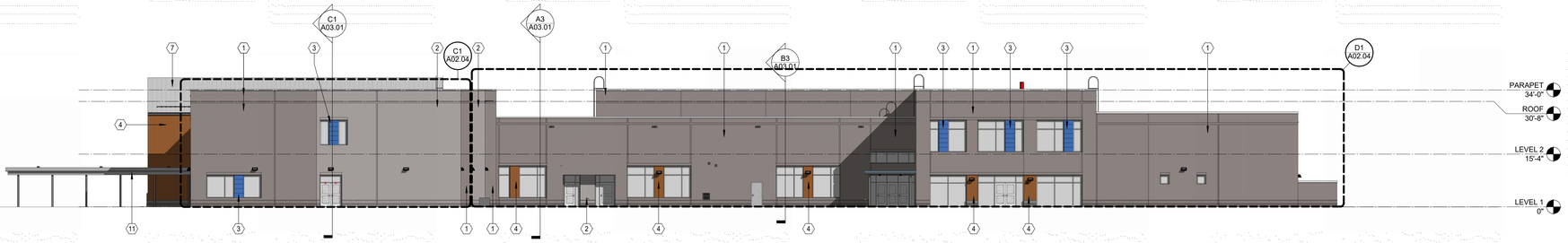
SHEET NAME:
REFLECTED CEILING PLAN- LEVEL 2- AREA E

BID SET SUBMISSION: 2024.04.10

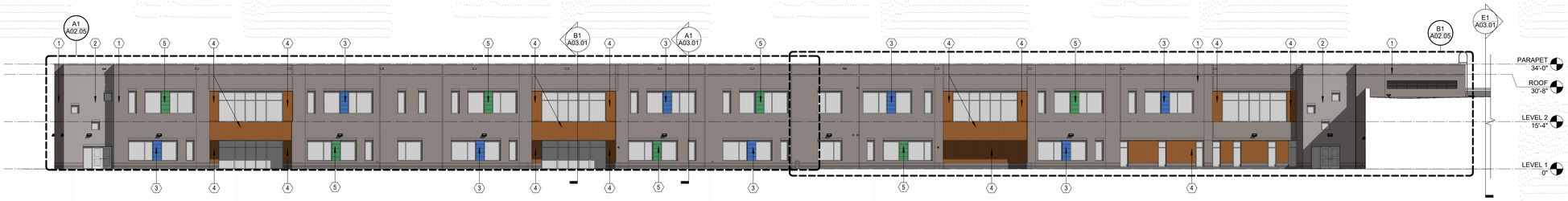
SHEET:
A01.12E

BID SET

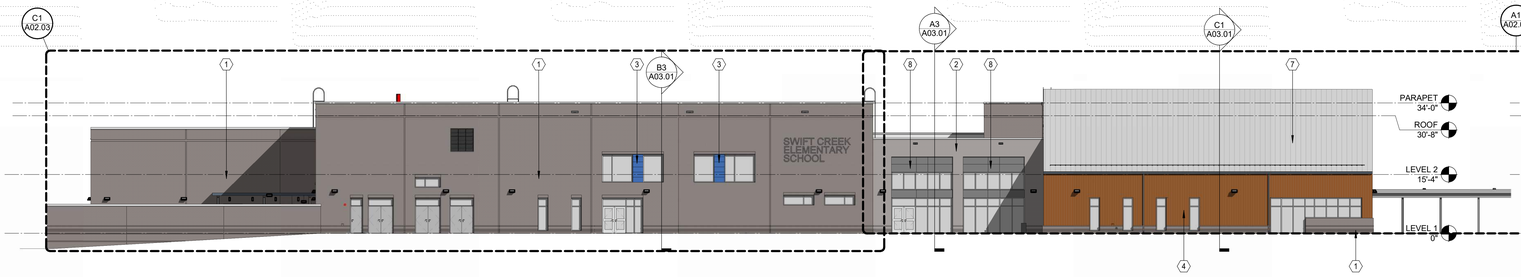
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCHITECT'S ORIGINAL PLOT SET



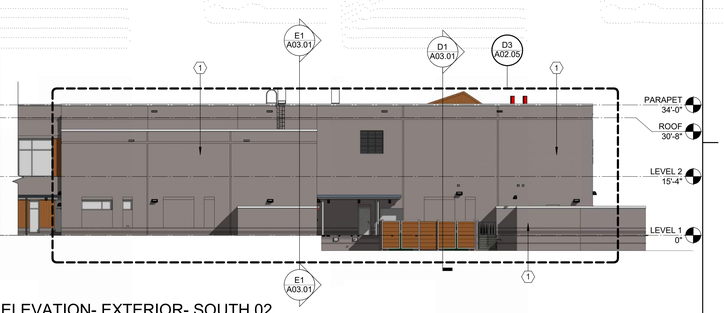
D1 ELEVATION- EXTERIOR- WEST
1/16" = 1'-0"



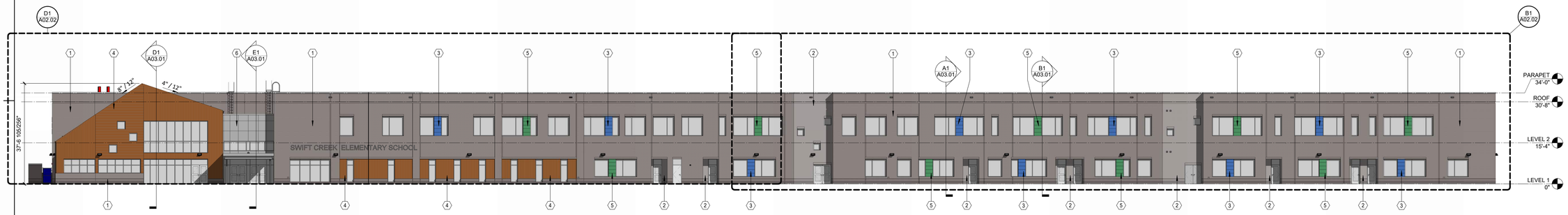
C1 ELEVATION- EXTERIOR- SOUTH
1/16" = 1'-0"



B1 ELEVATION- EXTERIOR- EAST
1/16" = 1'-0"



B5 ELEVATION- EXTERIOR- SOUTH 02
1/16" = 1'-0"



A1 ELEVATION- EXTERIOR- NORTH
1/16" = 1'-0"

(N) ELEVATION NOTES BY NUMBER

NUMBER	NOTE
1	BR1 - SLATE GRAY BRICK 106972
2	BR2 - STEELE GRAY BRICK 106391
3	MP1 - METAL COMPOSITE WALL PANEL - ACCENT - BERKSHIRE BLUE
4	PH1 - PHENOLIC PANEL PU08 ROMANTIC WALNUT (VERTICAL)
5	MP2 - METAL COMPOSITE WALL PANEL - ACCENT - ARCADIA GREEN
6	MP3 - METAL COMPOSITE WALL PANEL - ACCENT - CITYSCAPE GRAY
7	STANDING SEAM METAL ROOF
8	MP4 - METAL COMPOSITE WALL PANEL - ACCENT - CITYSCAPE
9	EXTERIOR LIGHT FIXTURE
10	BUILDING SIGNAGE
11	STEEL-FRAMED METAL CANOPY
12	PH1 - PHENOLIC PANEL PU08 ROMANTIC WALNUT (HORIZONTAL)
13	BUILDING EXPANSION JOINT
14	SOLID FENCE AND GATE
15	CONDENSING UNIT
16	EXHAUST WALL CAP
18	DOWNSPOUT
19	COPING
20	THRU-WALL OVERFLOW SCUPPER
21	PRE-FABRICATED CANOPY
22	BRICK RECESSED 1"
23	OVERFLOW ROOF DRAIN DISCHARGE
24	FREEZE-PROOF WALL HYDRANT

Wake County Public School System

LS3P
434 FAYETTEVILLE STREET SUITE 1700
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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
BUILDING ELEVATIONS

BID SET SUBMISSION: 2024.04.10

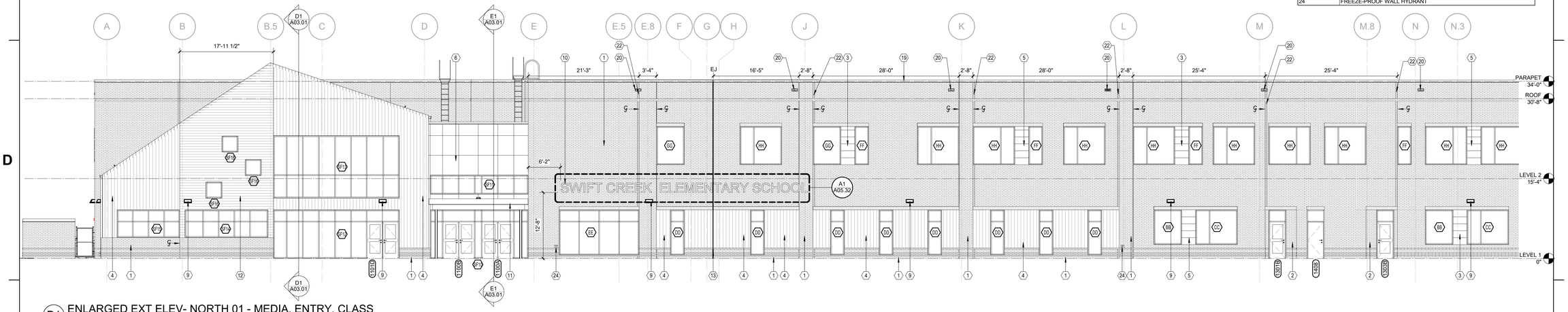
SHEET:
A02.01

BID SET

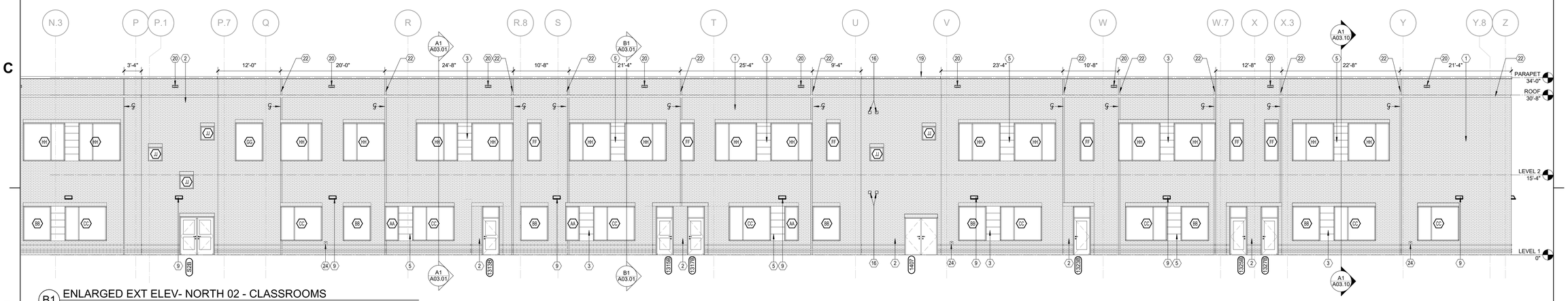
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL PAPER SIZE

(N) ELEVATION NOTES BY NUMBER

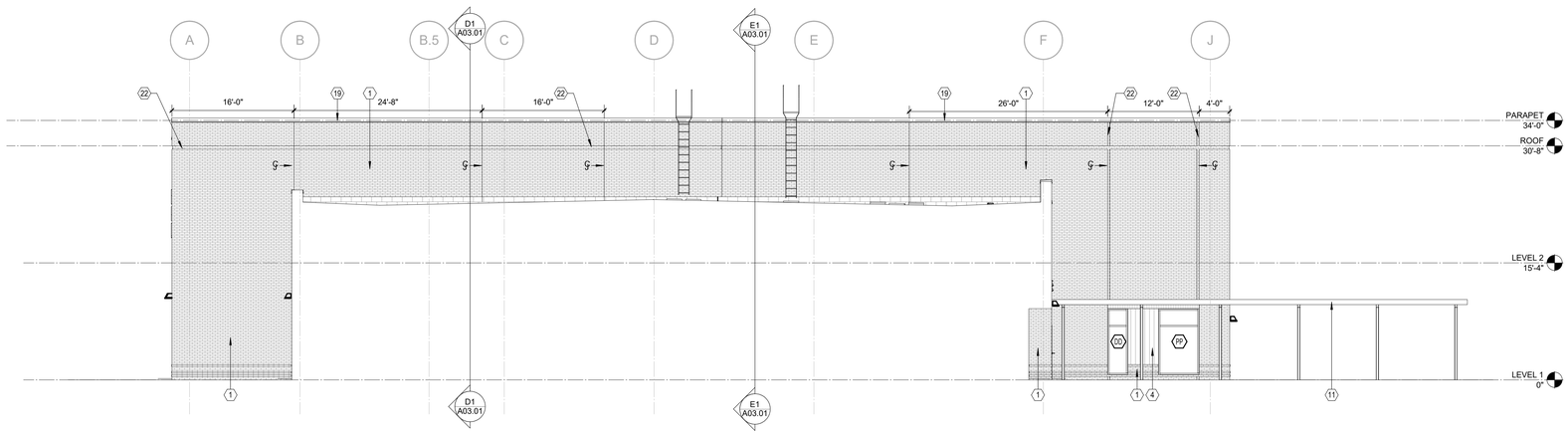
NUMBER	NOTE
1	BR1 - SLATE GRAY BRICK 106972
2	BR2 - STEELE GRAY BRICK 106391
3	MP1 - METAL COMPOSITE WALL PANEL - ACCENT - BERKSHIRE BLUE
4	PH1 - PHENOLIC PANEL PU08 ROMANTIC WALNUT (VERTICAL)
5	MP2 - METAL COMPOSITE WALL PANEL - ACCENT - ARCADIA GREEN
6	MP3 - METAL COMPOSITE WALL PANEL - ACCENT - CITYSCAPE GRAY
7	STANDING SEAM METAL ROOF
8	MP4 - METAL COMPOSITE WALL PANEL - ACCENT - CITYSCAPE
9	EXTERIOR LIGHT FIXTURE
10	BUILDING SIGNAGE
11	STEEL-FRAMED METAL CANOPY
12	PH1 - PHENOLIC PANEL PU08 ROMANTIC WALNUT (HORIZONTAL)
13	BUILDING EXPANSION JOINT
14	SOLID FENCE AND GATE
15	CONDENSING UNIT
16	EXHAUST WALL CAP
18	DOWNSPOUT
19	COPING
20	THRU-WALL OVERFLOW SCUPPER
21	PRE-FABRICATED CANOPY
22	BRICK RECESSED 1"
23	OVERFLOW ROOF DRAIN DISCHARGE
24	FREEZE-PROOF WALL HYDRANT



D1 ENLARGED EXT ELEV- NORTH 01 - MEDIA, ENTRY, CLASS
1/8" = 1'-0"



B1 ENLARGED EXT ELEV- NORTH 02 - CLASSROOMS
1/8" = 1'-0"



A1 ENLARGED EXT ELEV- NORTH 03 - PLAY & DINING
1/8" = 1'-0"

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED BUILDING ELEVATIONS

BID SET SUBMISSION: 2024.04.10

SHEET:
A02.02

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

(N) ELEVATION NOTES BY NUMBER

NUMBER	NOTE
1	BR1 - SLATE GRAY BRICK 106972
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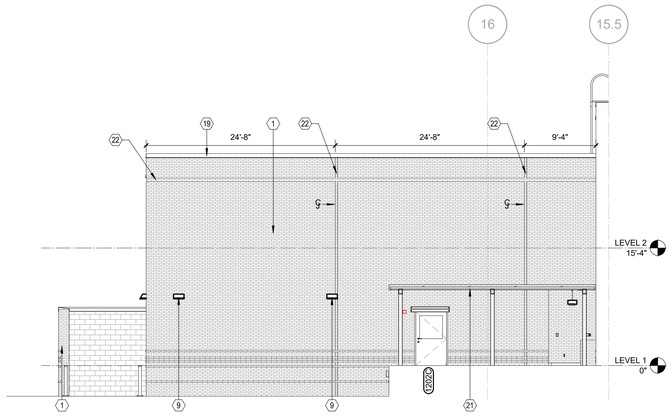
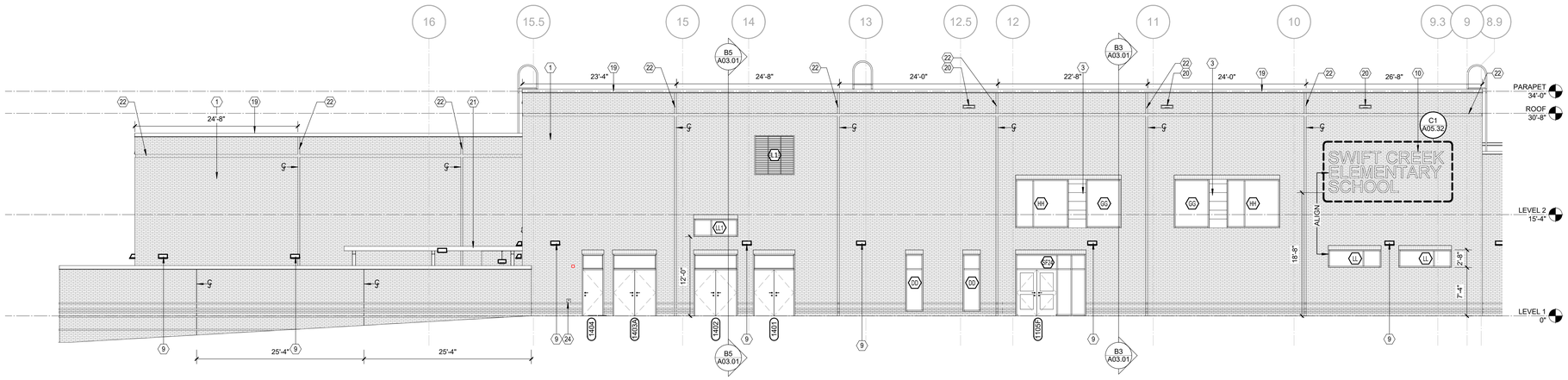
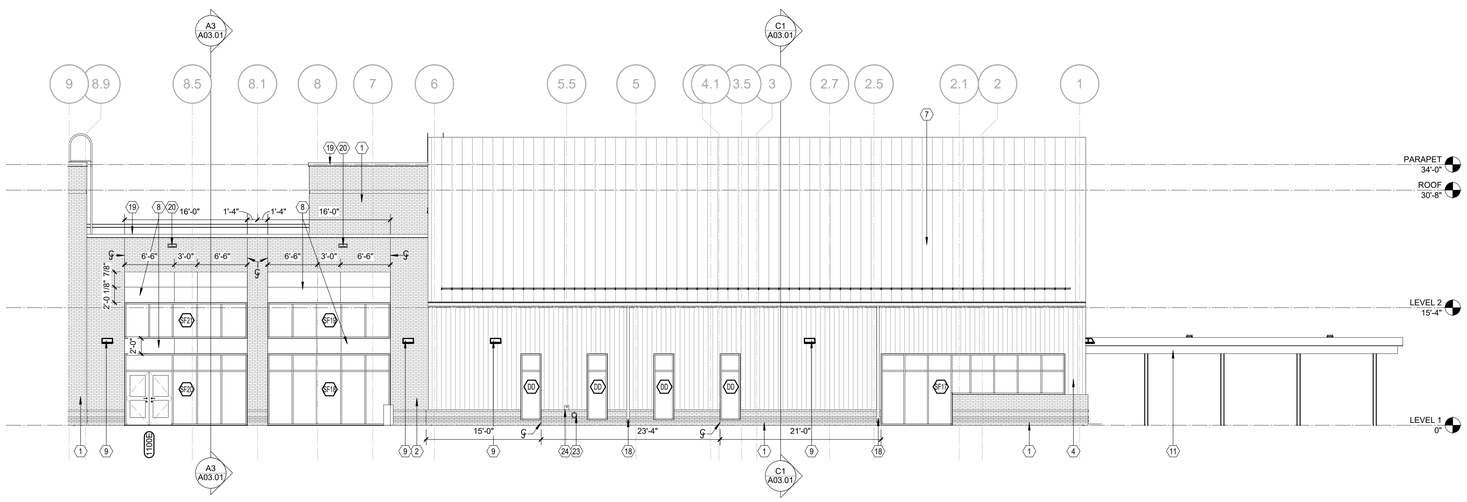
23	OVERFLOW ROOF DRAIN DISCHARGE
24	FREEZE-PROOF WALL HYDRANT



D1 ENLARGED EXT ELEV- EAST 01- LOADING DOCK
1/8" = 1'-0"



C1 ENLARGED EXT ELEV- EAST 02 - SERVICE & PLAY
1/8" = 1'-0"



A1 ENLARGED EXT ELEV- EAST 03 - LC & MEDIA
1/8" = 1'-0"

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED BUILDING ELEVATIONS

BID SET SUBMISSION: 2024.04.10

SHEET:
A02.03

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

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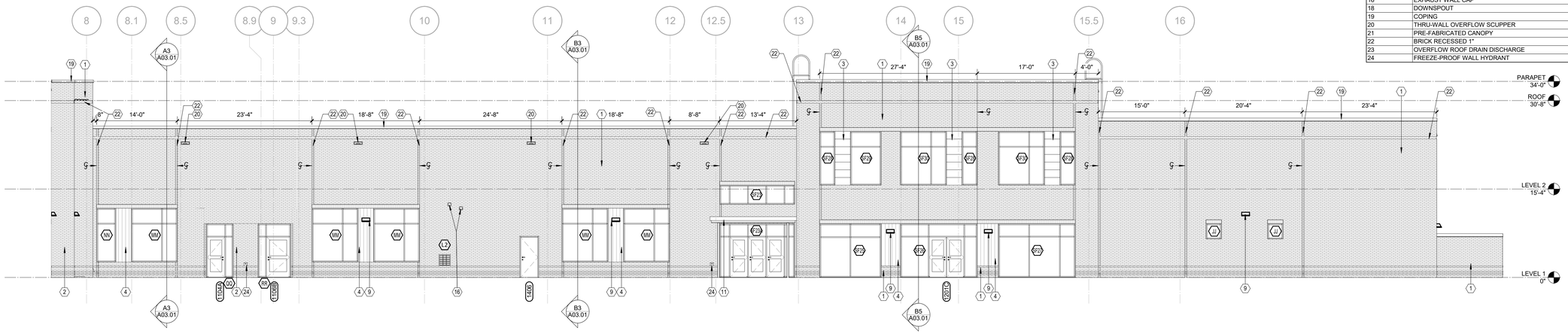
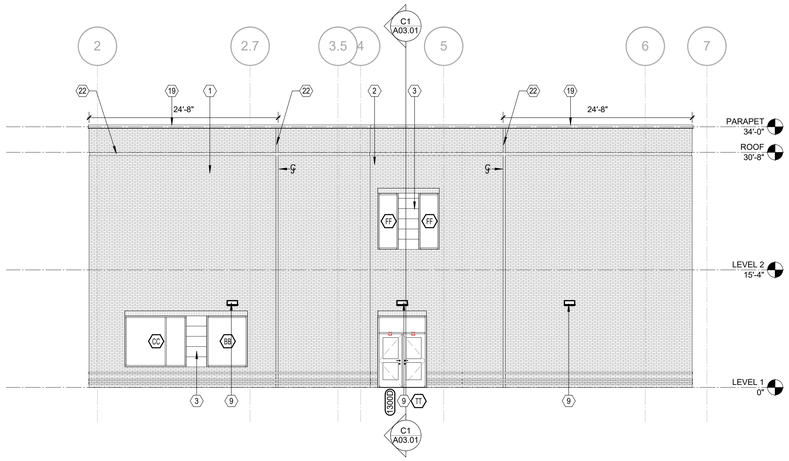
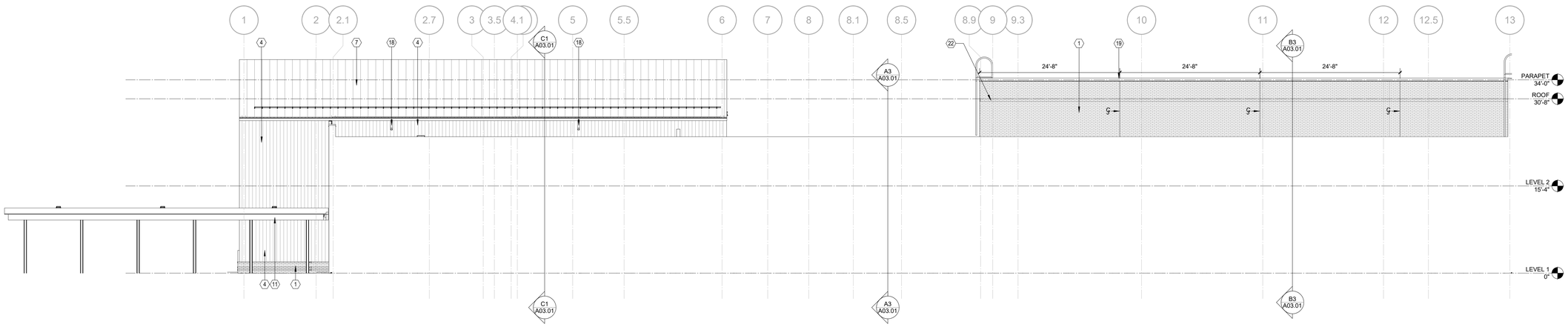
24	FREEZE-PROOF WALL HYDRANT



D1 ENLARGED EXT ELEV- WEST 03 - MP CR, ART & MUSIC
1/8" = 1'-0"



C1 ENLARGED EXT ELEV- WEST 02 - CR CORR
1/8" = 1'-0"



A1 ENLARGED EXT ELEV- WEST 01 - MEDIA & PLAY
1/8" = 1'-0"

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LS3P PROJECT: 8201-207411

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SHEET:
A02.04

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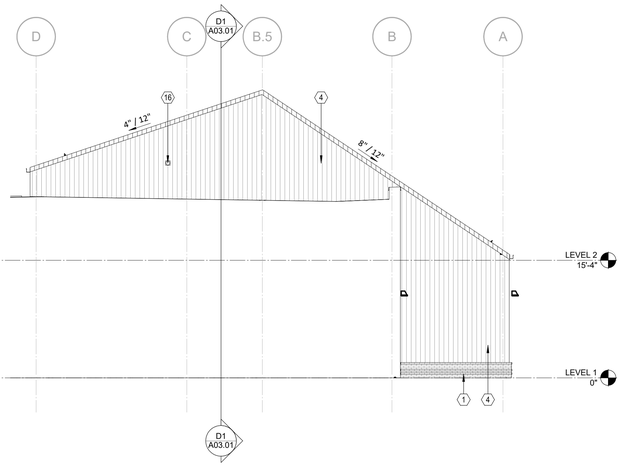
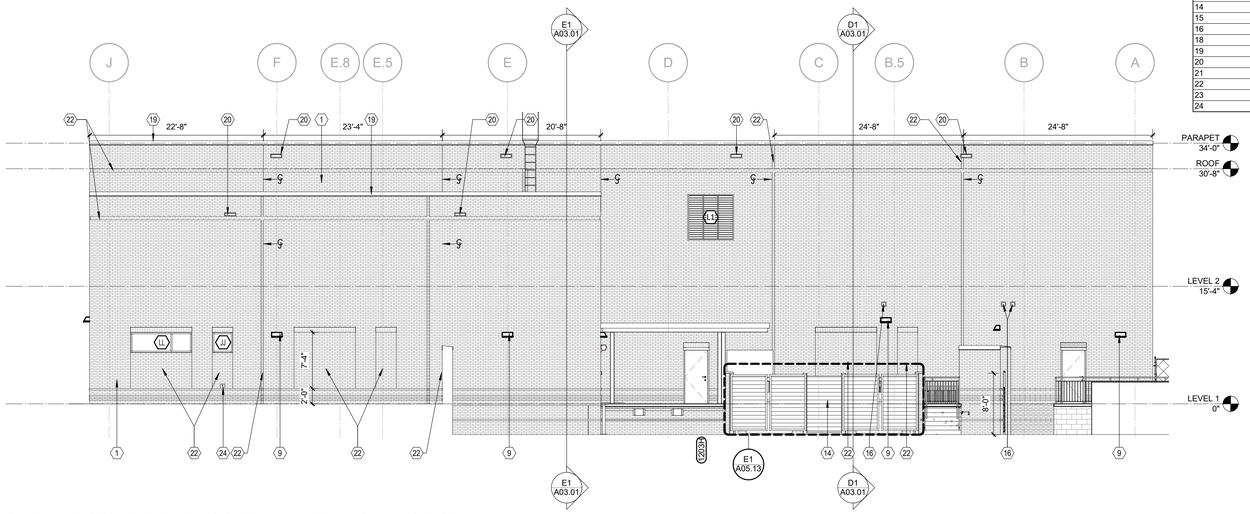
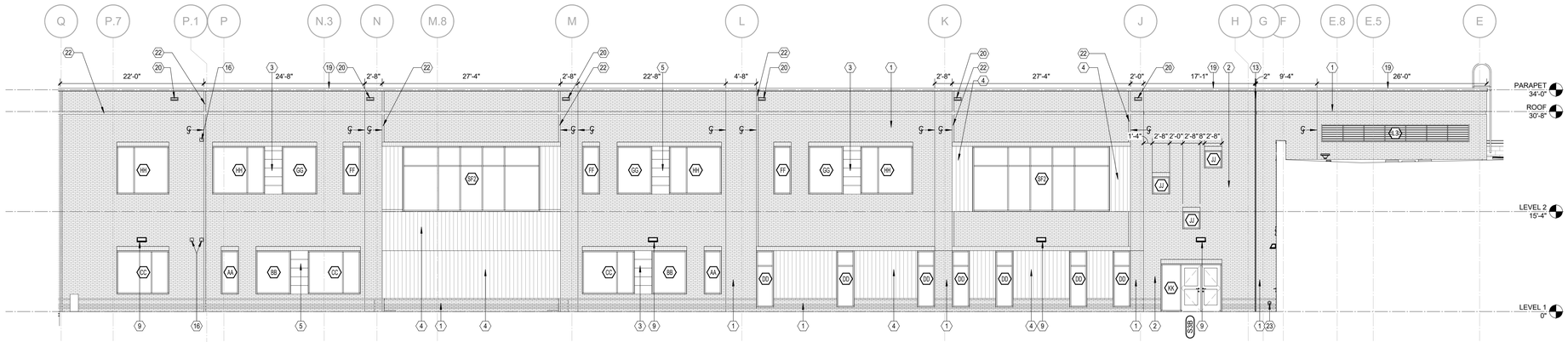


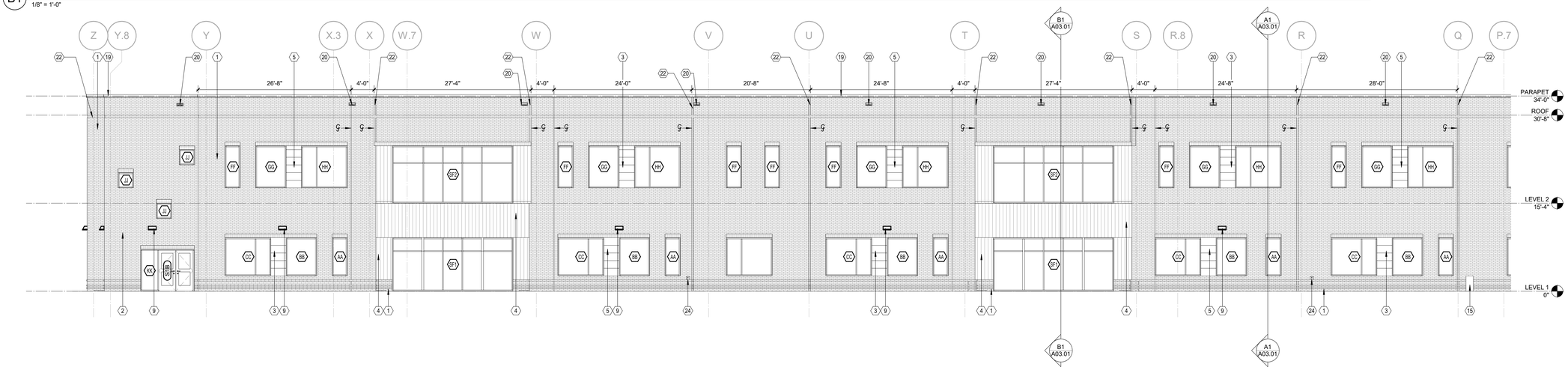
D1 ENLARGED EXT ELEV- SOUTH 03 - MEDIA
1/8" = 1'-0"



D3 ENLARGED EXT ELEV- SOUTH 04 - KIT & LOADING DOCK
1/8" = 1'-0"



B1 ENLARGED EXT ELEV- SOUTH 02 - CLASSROOMS
1/8" = 1'-0"



A1 ENLARGED EXT ELEV- SOUTH 01 - CLASSROOMS
1/8" = 1'-0"

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED BUILDING ELEVATIONS

BID SET SUBMISSION: 2024.04.10

SHEET:
A02.05

BID SET

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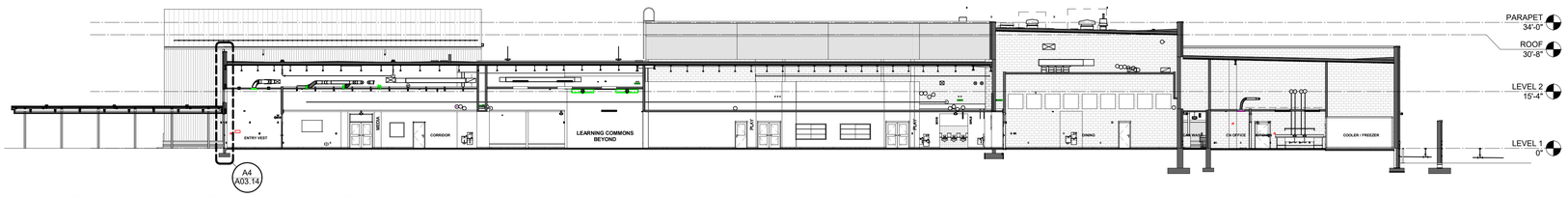
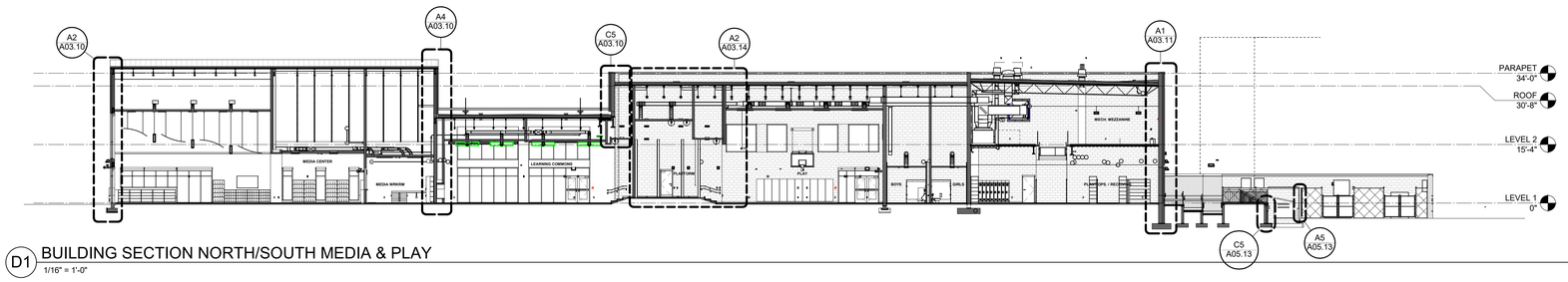
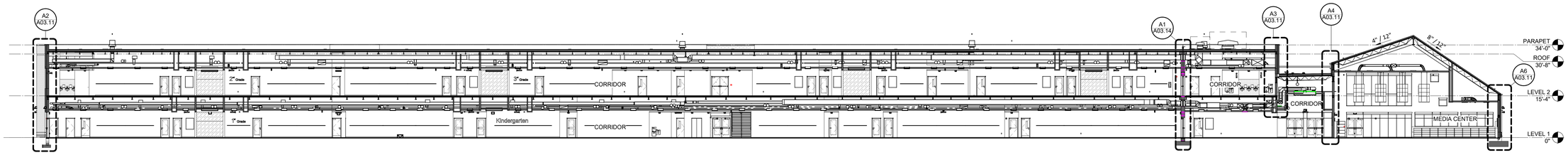


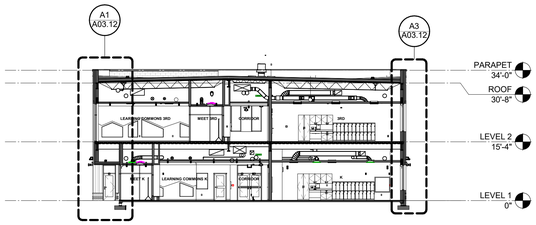
E1 BUILDING SECTION NORTH/SOUTH CORRIDOR & DINING
1/16" = 1'-0"



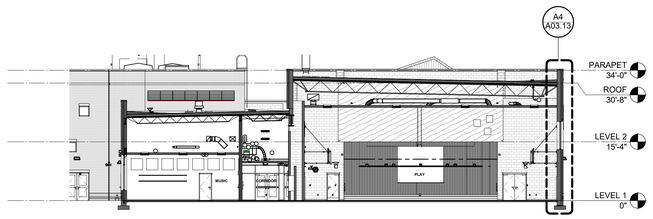
D1 BUILDING SECTION NORTH/SOUTH MEDIA & PLAY
1/16" = 1'-0"



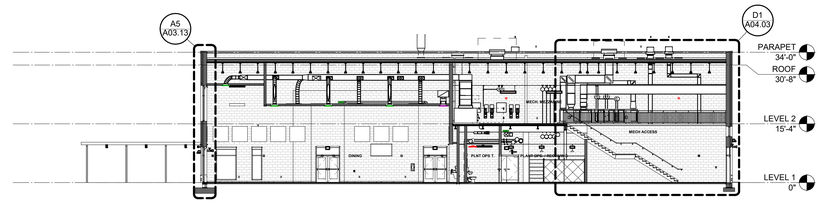
C1 BUILDING SECTION CLASSROOM WING EAST WEST
1/16" = 1'-0"



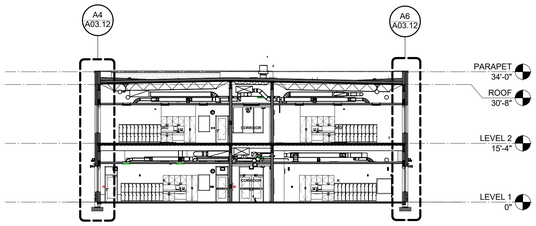
B1 BUILDING SECTION CLASSROOM LEARNING COMMONS N/S
1/16" = 1'-0"



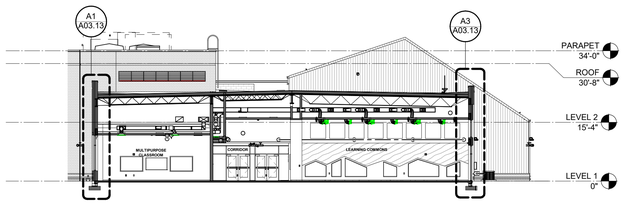
B3 BUILDING SECTION E/W MUSIC & PLAY
1/16" = 1'-0"



B5 BUILDING SECTION E/W DINING/MECH MEZZ ACCESS
1/16" = 1'-0"



A1 BUILDING SECTION CLASSROOM WING NORTH/SOUTH
1/16" = 1'-0"



A3 BUILDING SECTION AREA C EAST/WEST
1/16" = 1'-0"

Wake County Public School System

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
BUILDING SECTIONS

BID SET SUBMISSION: 2024.04.10

SHEET:
A03.01

BID SET

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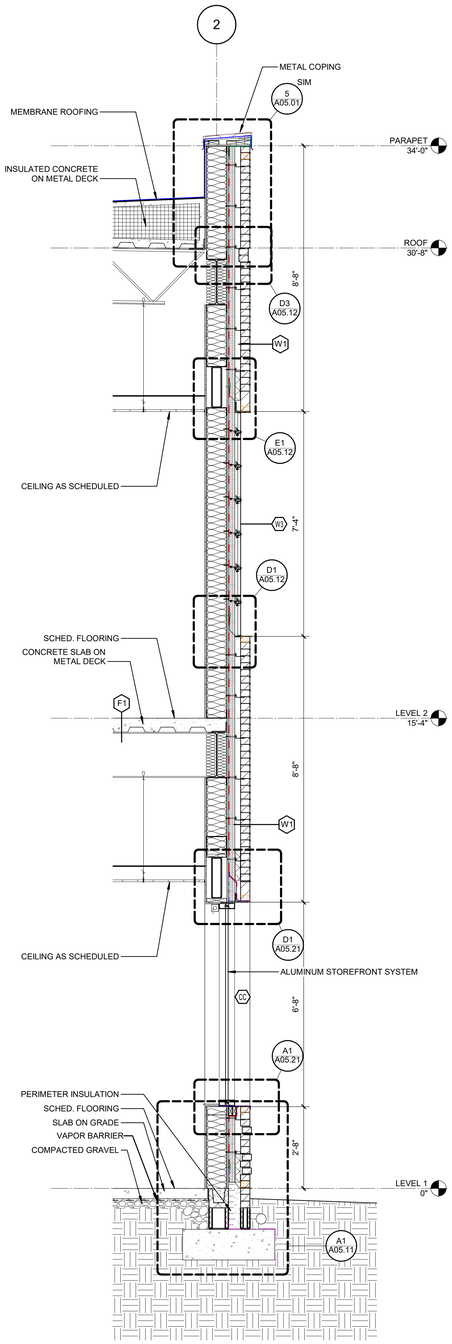
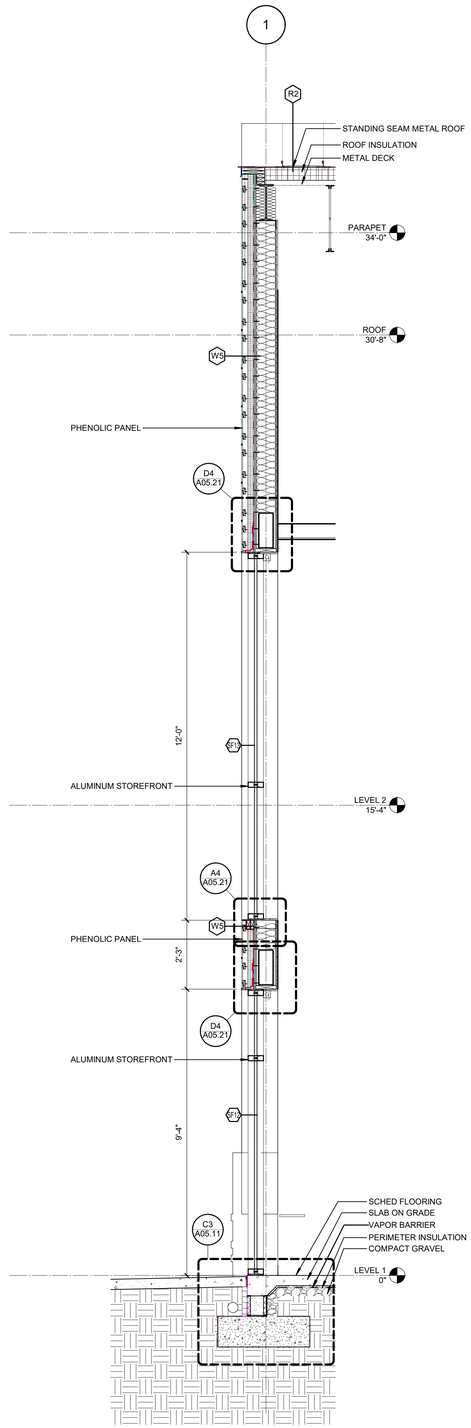
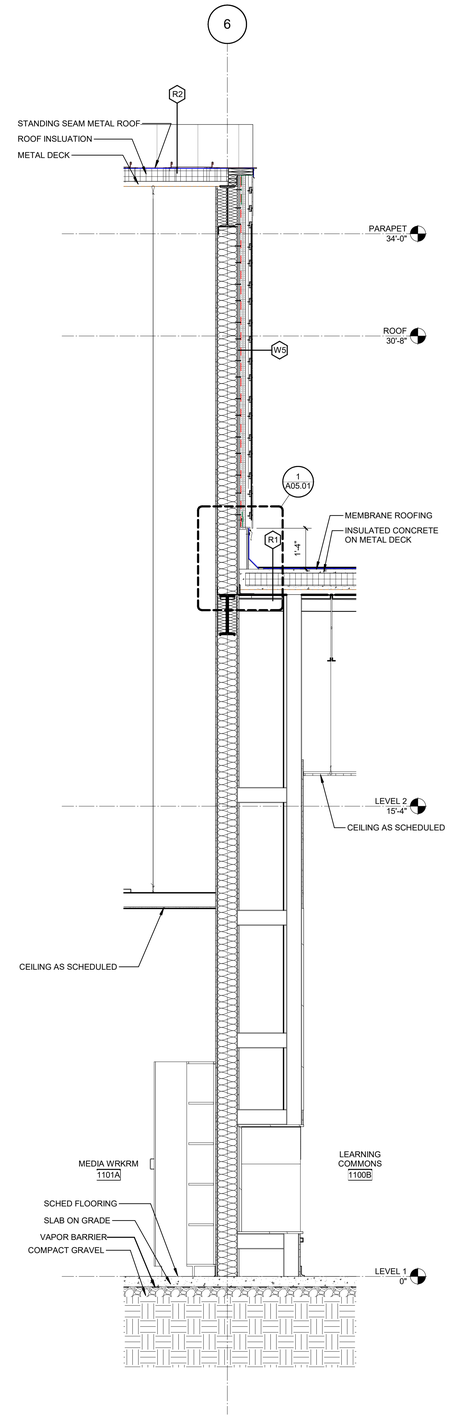


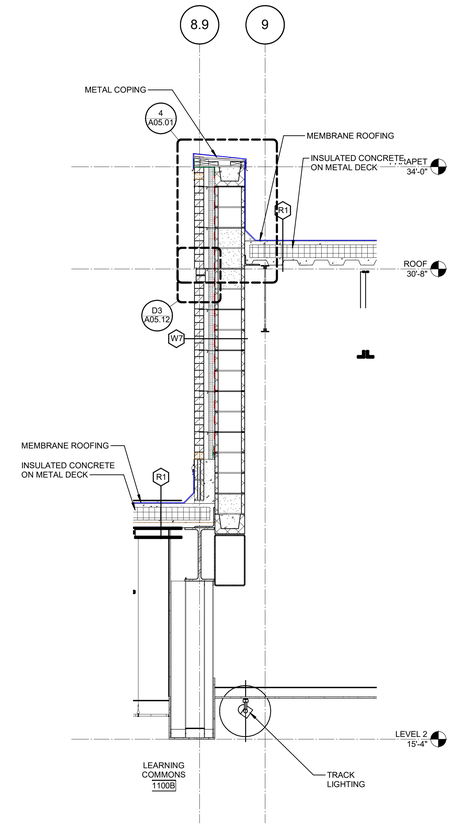
A1 TYPICAL WALL SECTION
1/2" = 1'-0"



A2 WALL SECTION @ MEDIA NORTH
1/2" = 1'-0"



A4 WALL SECTION @ MEDIA SOUTH
1/2" = 1'-0"



C5 WALL SECTION @ PLATFORM NORTH
1/2" = 1'-0"

Wake County Public School System

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

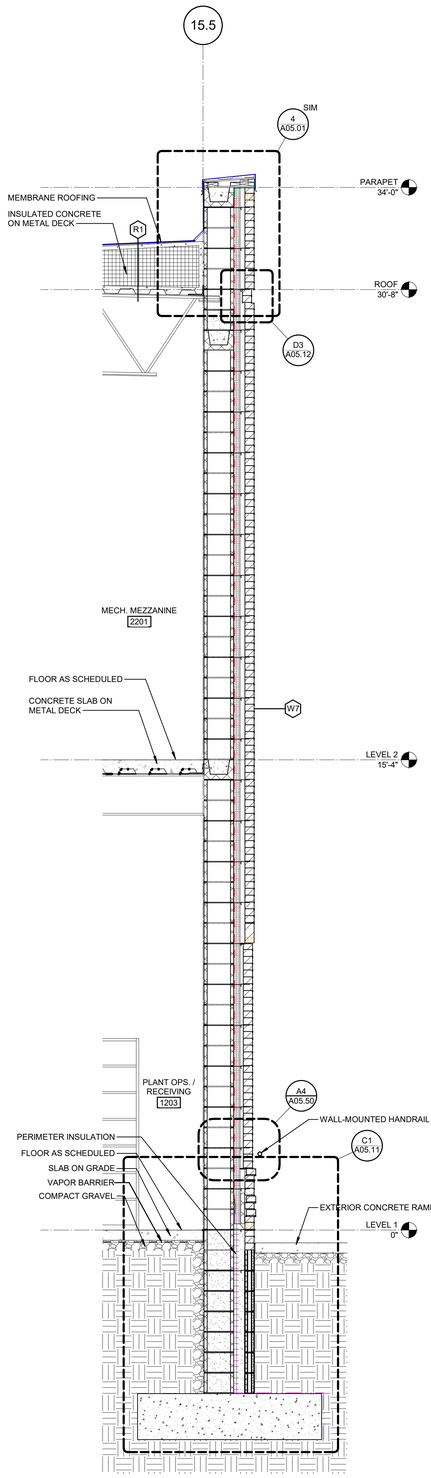
SHEET NAME:
WALL SECTIONS

BID SET SUBMISSION: 2024.04.10

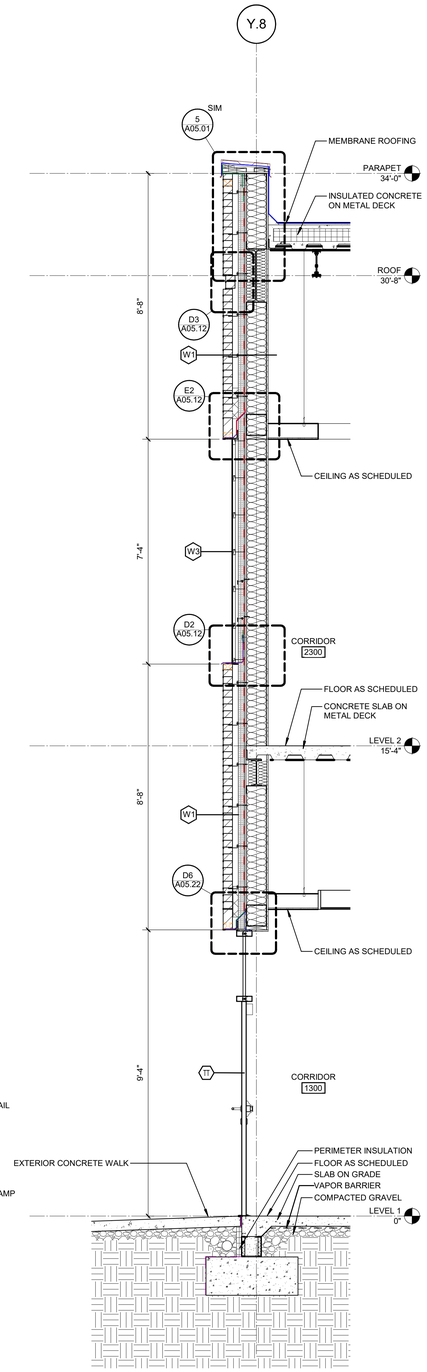
SHEET:
A03.10

BID SET

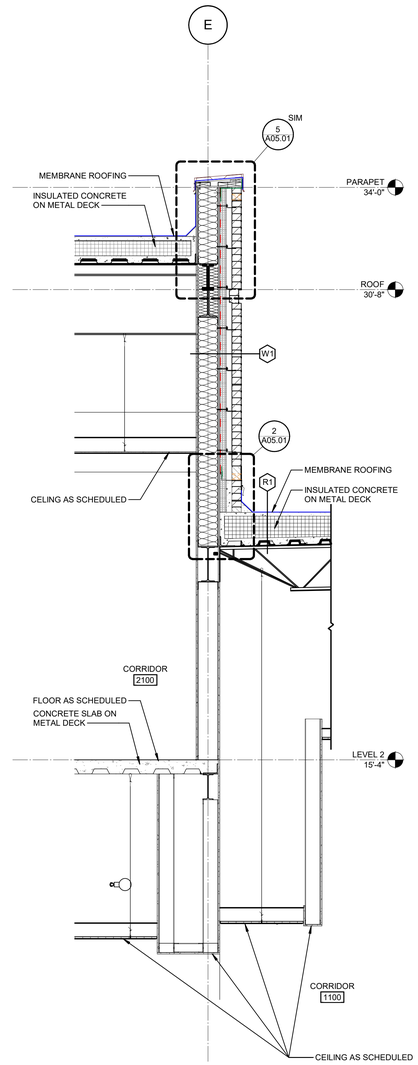
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



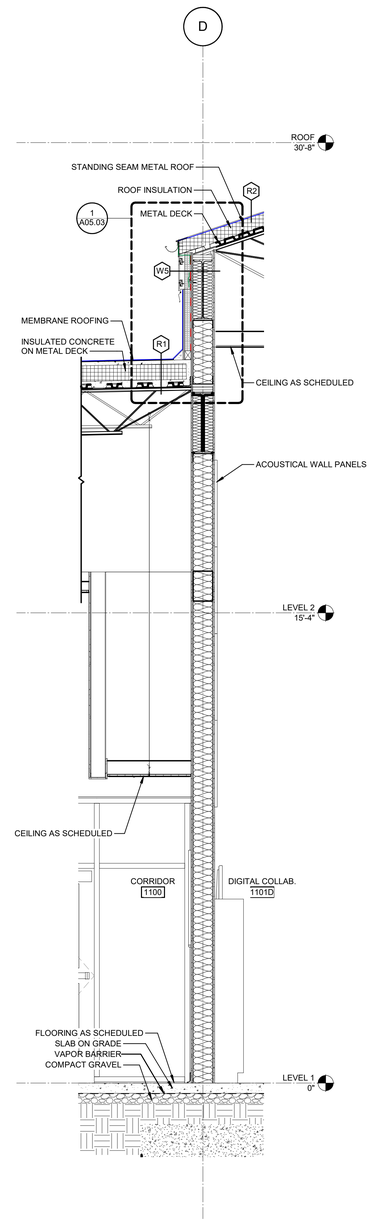
A1 WALL SECTION @ PLANT OPS SOUTH
1/2" = 1'-0"



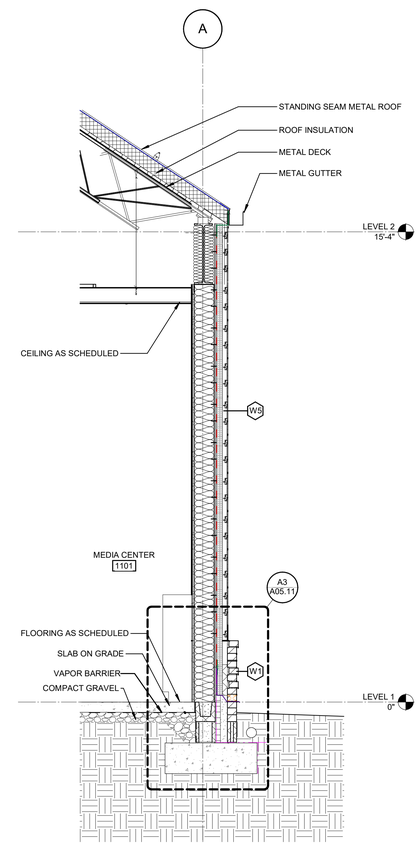
A2 WALL SECTION @ CORRIDOR 1300 WEST
1/2" = 1'-0"



A3 WALL SECTION @ CORRIDOR 1100 WEST
1/2" = 1'-0"



A4 WALL SECTION @ MEDIA WEST
1/2" = 1'-0"



A6 WALL SECTION @ MEDIA EAST
1/2" = 1'-0"

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

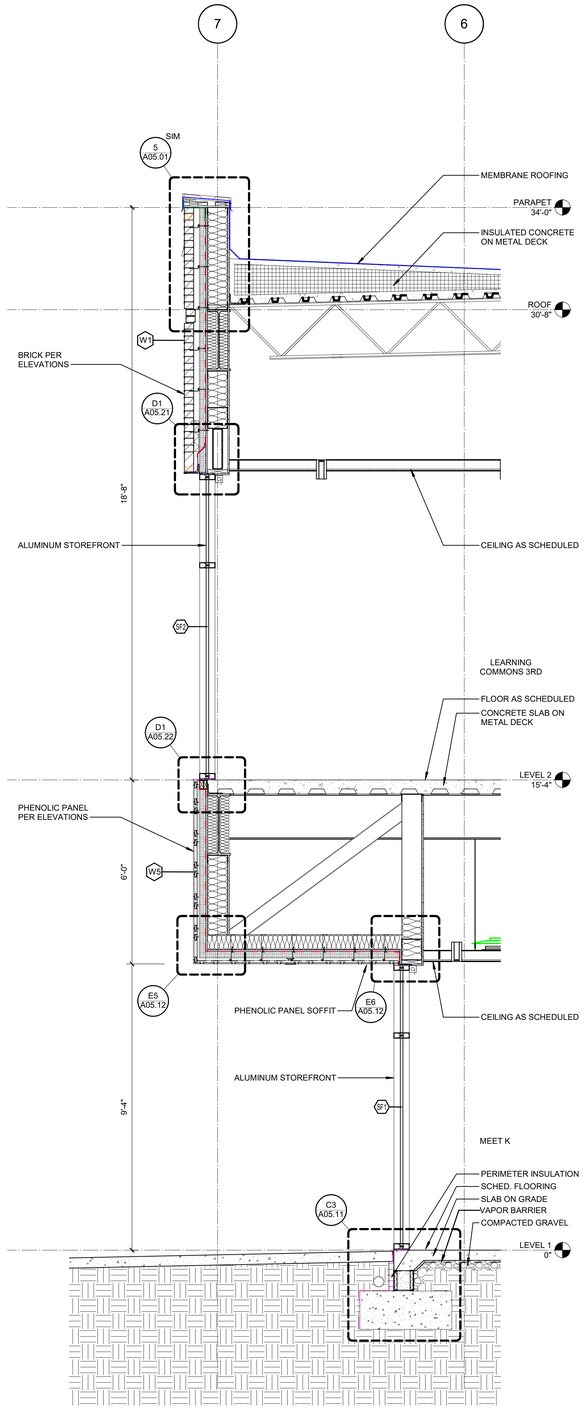
SHEET NAME:
WALL SECTIONS

BID SET SUBMISSION: 2024.04.10

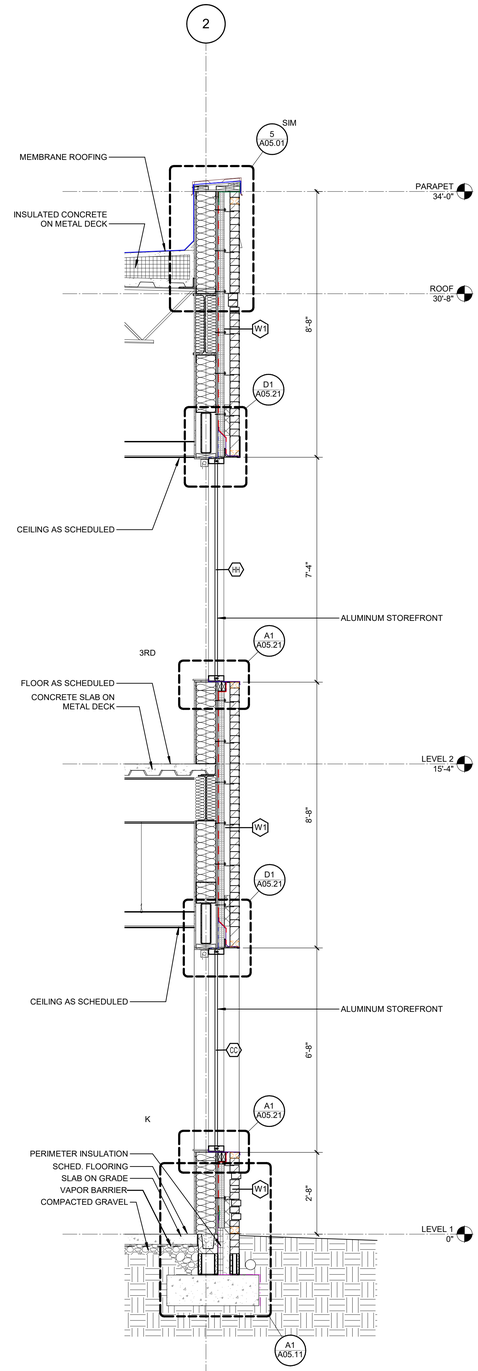
SHEET:
A03.11

BID SET

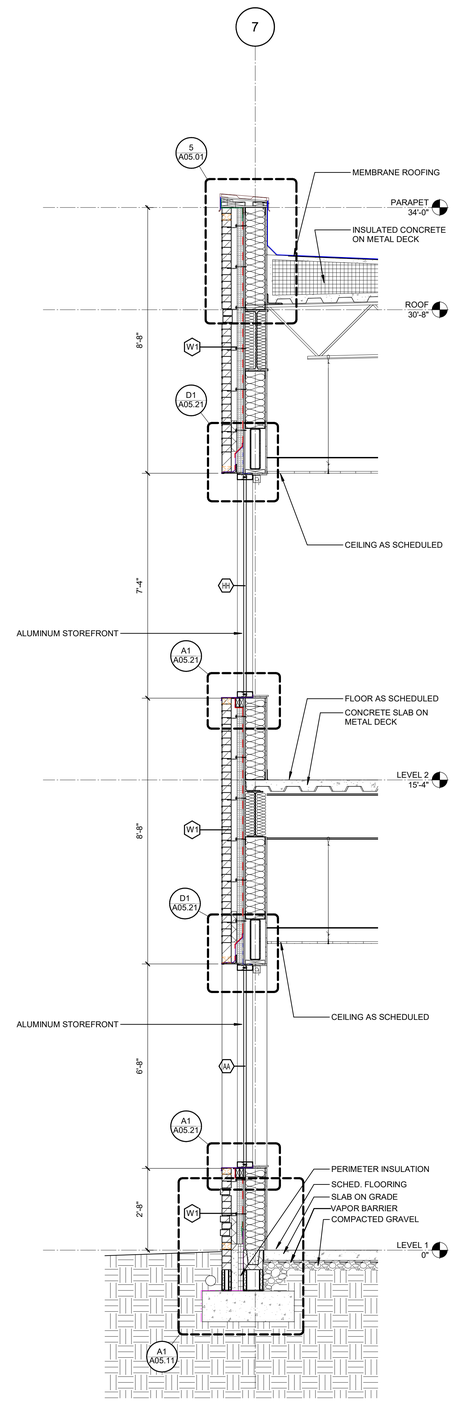
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



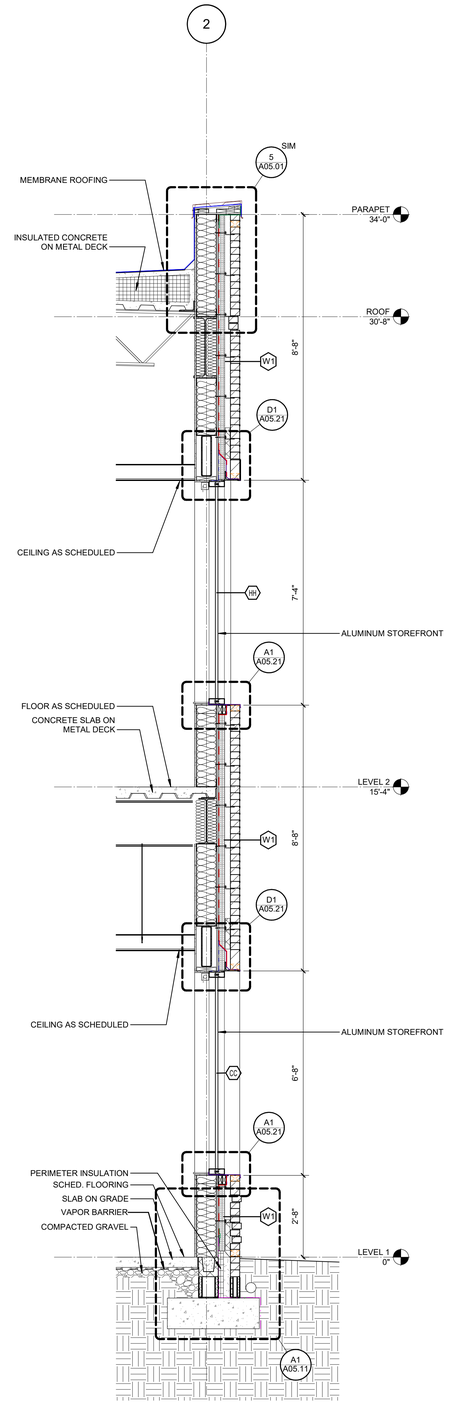
A1 WALL SECTION @ LEARNING COMMONS SOUTH
1/2" = 1'-0"



A3 WALL SECTION @ CLASSROOM WING NORTH - 01
1/2" = 1'-0"



A4 WALL SECTION @ CLASSROOM WING SOUTH - 01
1/2" = 1'-0"



A6 WALL SECTION @ CLASSROOM WING NORTH - 02
1/2" = 1'-0"

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

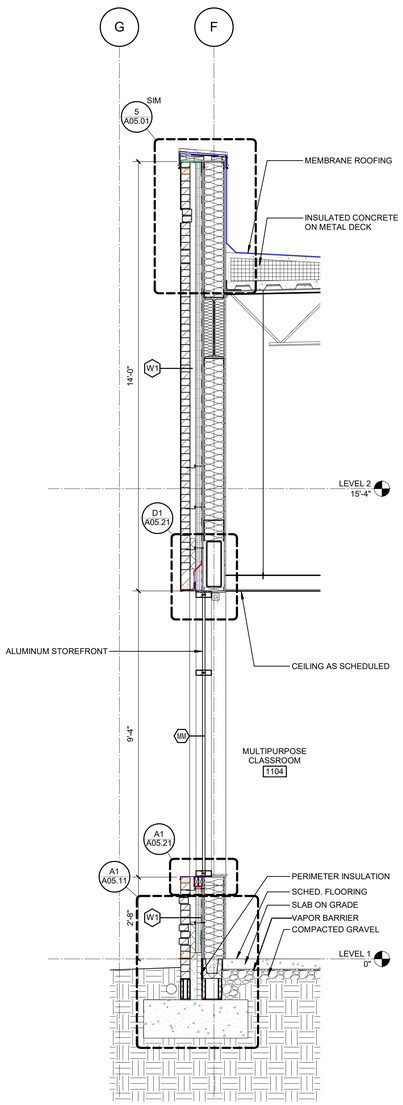
SHEET NAME:
WALL SECTIONS

BID SET SUBMISSION: 2024.04.10

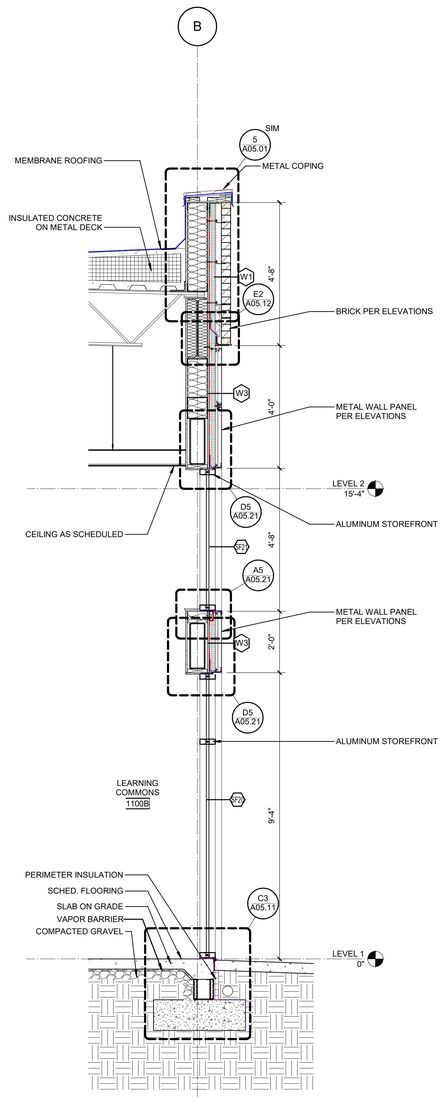
SHEET:
A03.12

BID SET

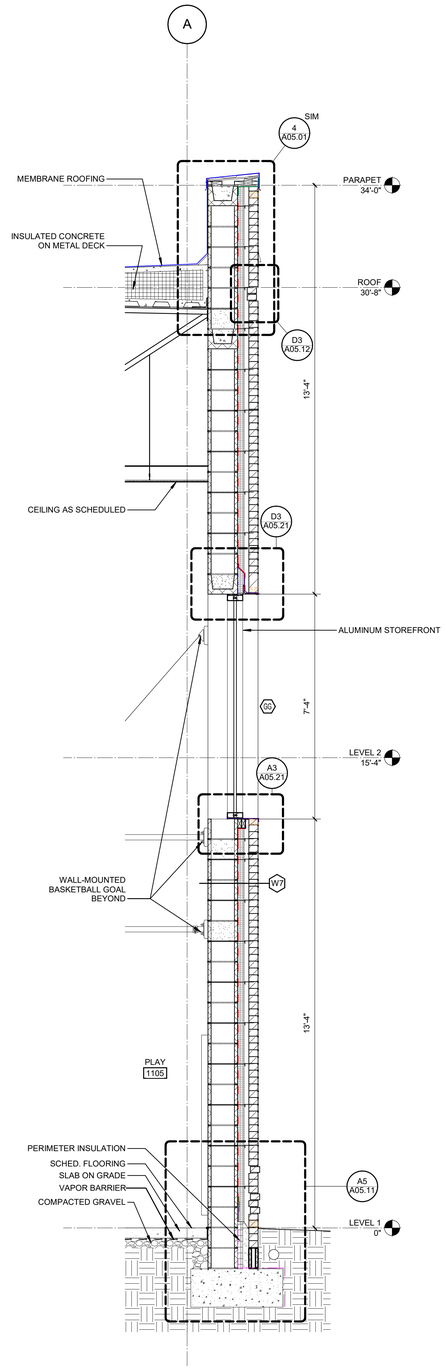
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



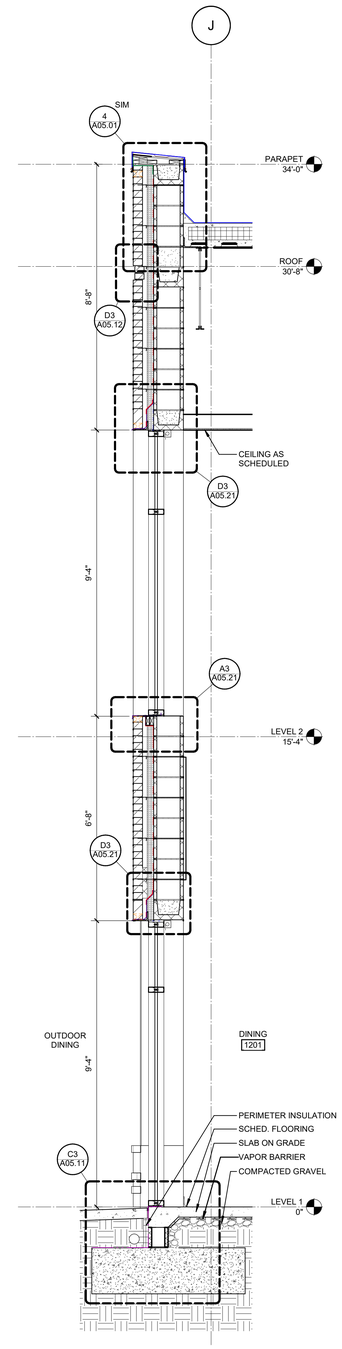
A1 WALL SECTION @ MULTIPURPOSE CLASSROOM WEST
1/2" = 1'-0"



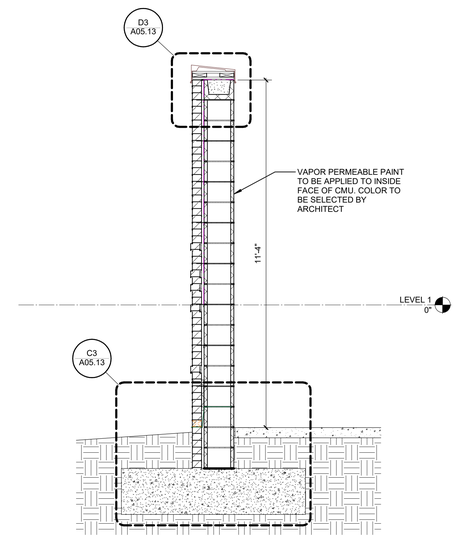
A3 WALL SECTION @ LEARNING COMMONS 1100B EAST
1/2" = 1'-0"



A4 WALL SECTION @ PLAY EAST
1/2" = 1'-0"



A5 WALL SECTION @ DINING
1/2" = 1'-0"



A6 WALL SECTION @ SERVICE SCREEN WALL
1/2" = 1'-0"

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

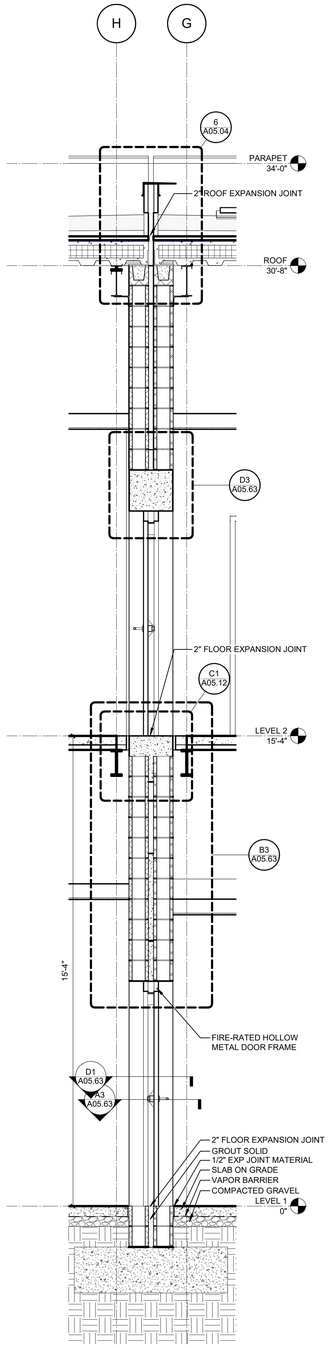
SHEET NAME:
WALL SECTIONS

BID SET SUBMISSION: 2024.04.10

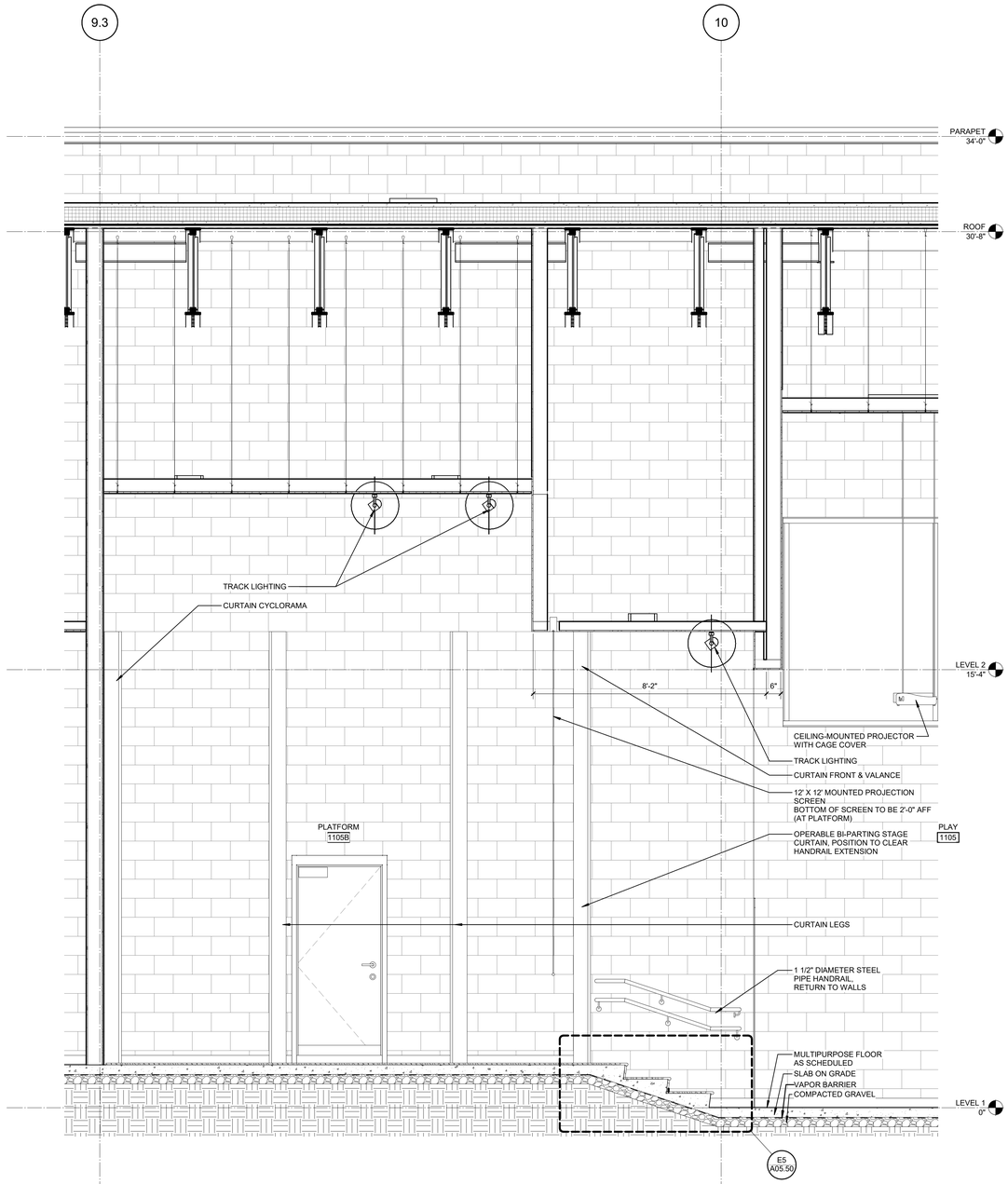
SHEET: A03.13

BID SET

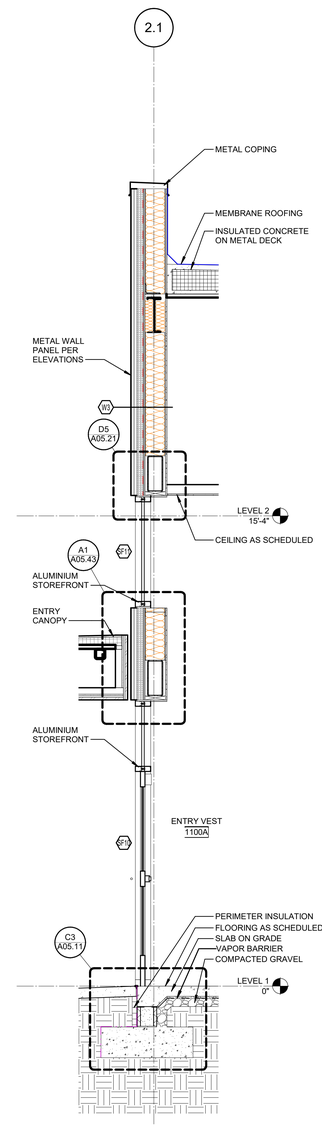
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE SHEETS ORIGINAL PLOT SIZE



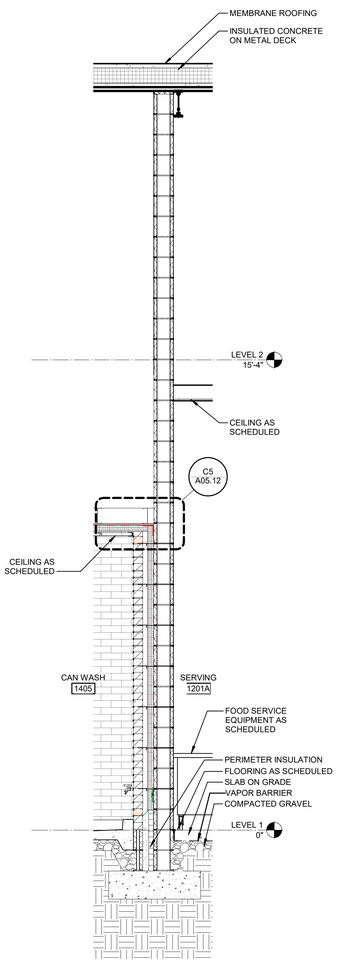
A1 WALL SECTION @ 2HR FIREWALL
1/2" = 1'-0"



A2 WALL SECTION @ PLAY PLATFORM
1/2" = 1'-0"



A4 WALL SECTION @ ENTRY VEST
1/2" = 1'-0"



A5 WALL SECTION @ CAN WASH
1/2" = 1'-0"

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

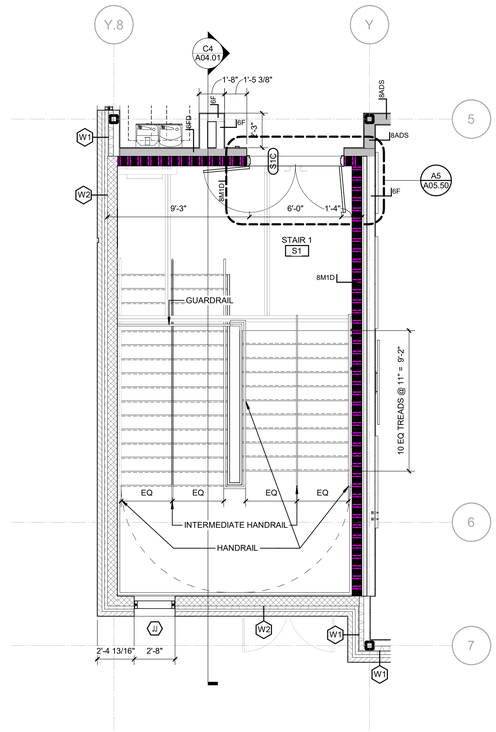
SHEET NAME:
WALL SECTIONS

BID SET SUBMISSION: 2024.04.10

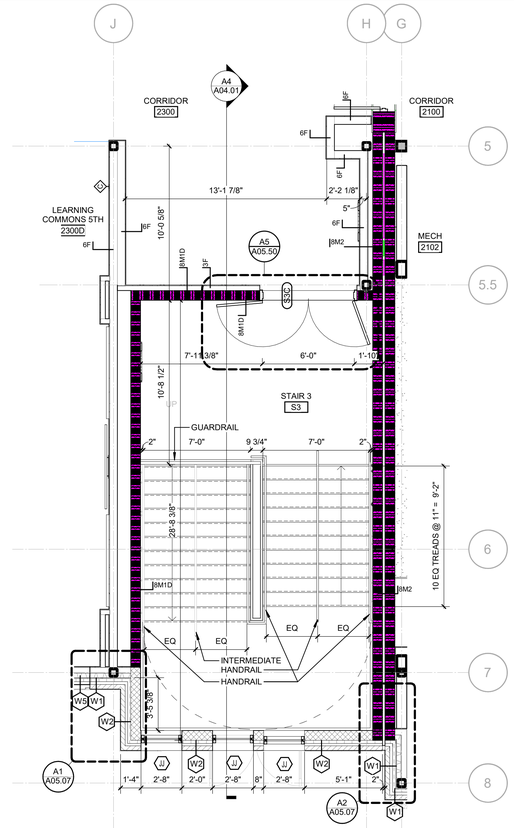
SHEET: **A03.14**

BID SET

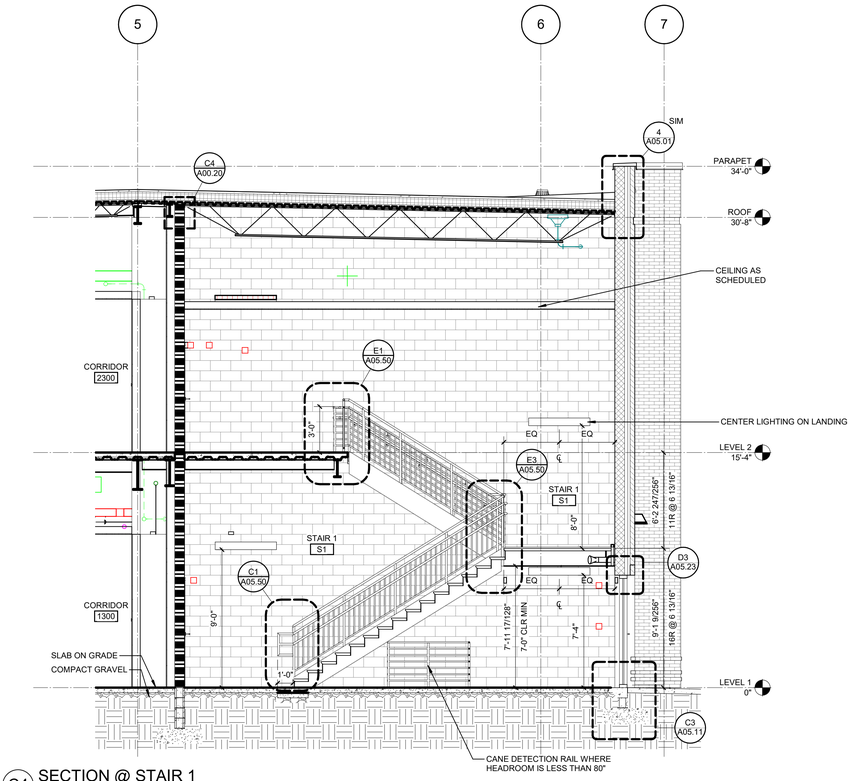
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE. ADJUST SCALE ACCORDINGLY IF ORIGINAL PAPER SIZE DIFFERS.



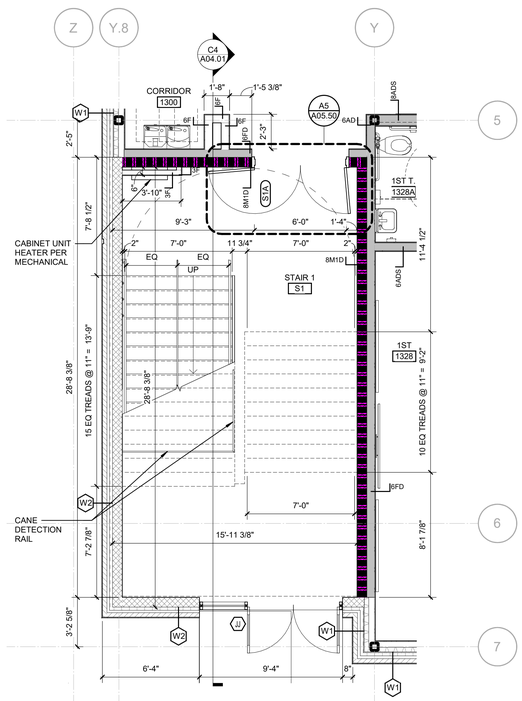
C1 ENLARGED FLOOR PLAN - SECOND FLOOR - STAIR 1
1/4" = 1'-0"



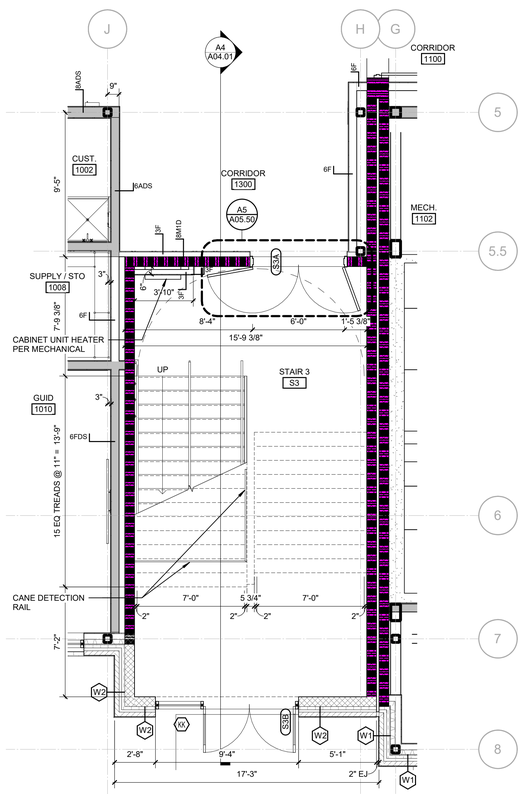
C2 ENLARGED FLOOR PLAN - SECOND FLOOR - STAIR 3
1/4" = 1'-0"



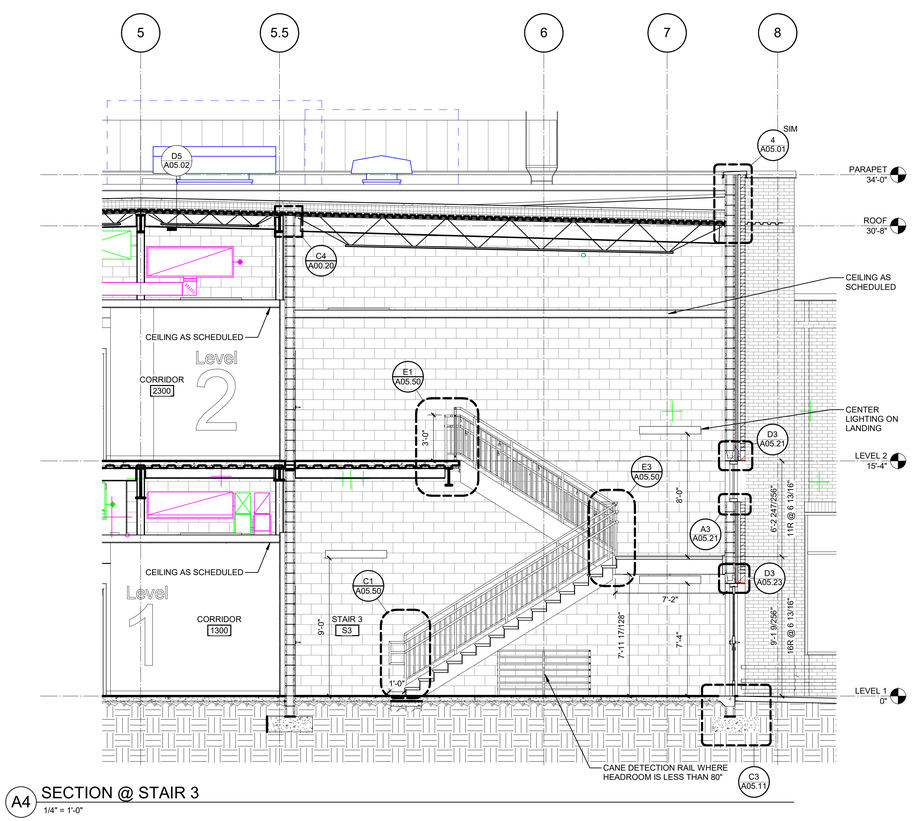
C4 SECTION @ STAIR 1
1/4" = 1'-0"



A1 ENLARGED FLOOR PLAN - FIRST FLOOR - STAIR 1
1/4" = 1'-0"



A2 ENLARGED FLOOR PLAN - FIRST FLOOR - STAIR 3
1/4" = 1'-0"



A4 SECTION @ STAIR 3
1/4" = 1'-0"

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

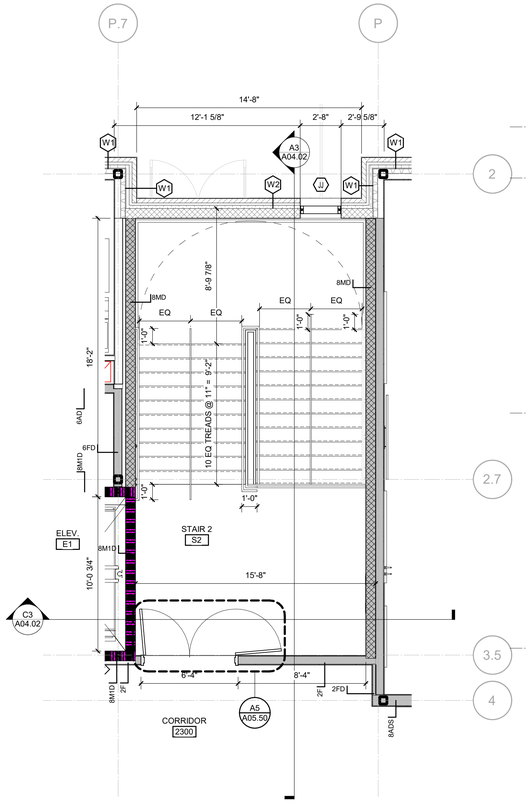
SHEET NAME:
ENLARGED STAIR PLANS AND SECTIONS

BID SET SUBMISSION: 2024.04.10

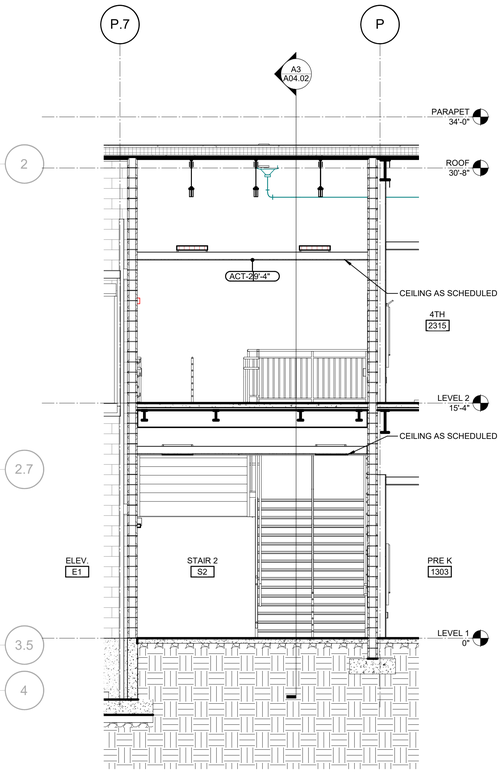
SHEET: **A04.01**

BID SET

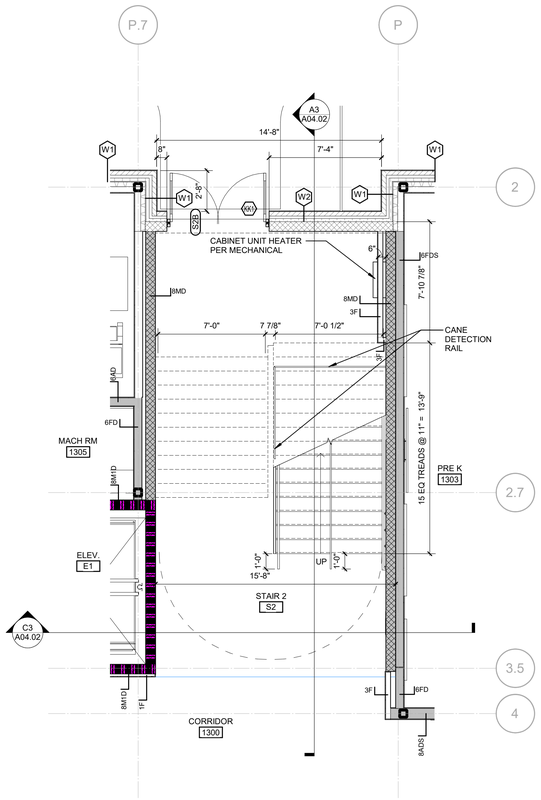
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE SHEETS ORIGINAL PLOT SIZE



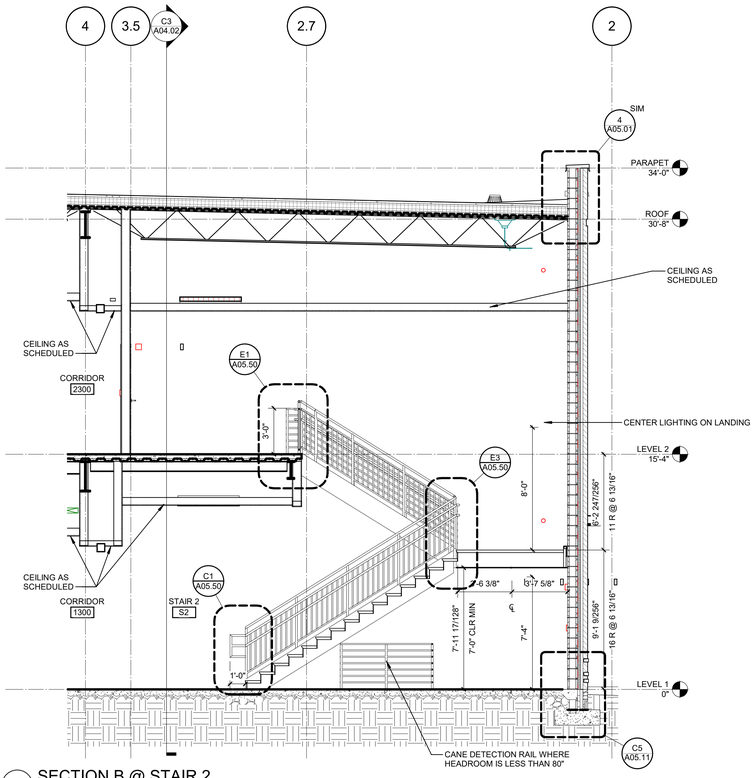
C1 ENLARGED FLOOR PLAN - 2ND FLOOR - STAIR 2
1/4" = 1'-0"



C3 SECTION A @ STAIR 2
1/4" = 1'-0"



A1 ENLARGED FLOOR PLAN - 1ST FLOOR - STAIR 2
1/4" = 1'-0"



A3 SECTION B @ STAIR 2
1/4" = 1'-0"

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

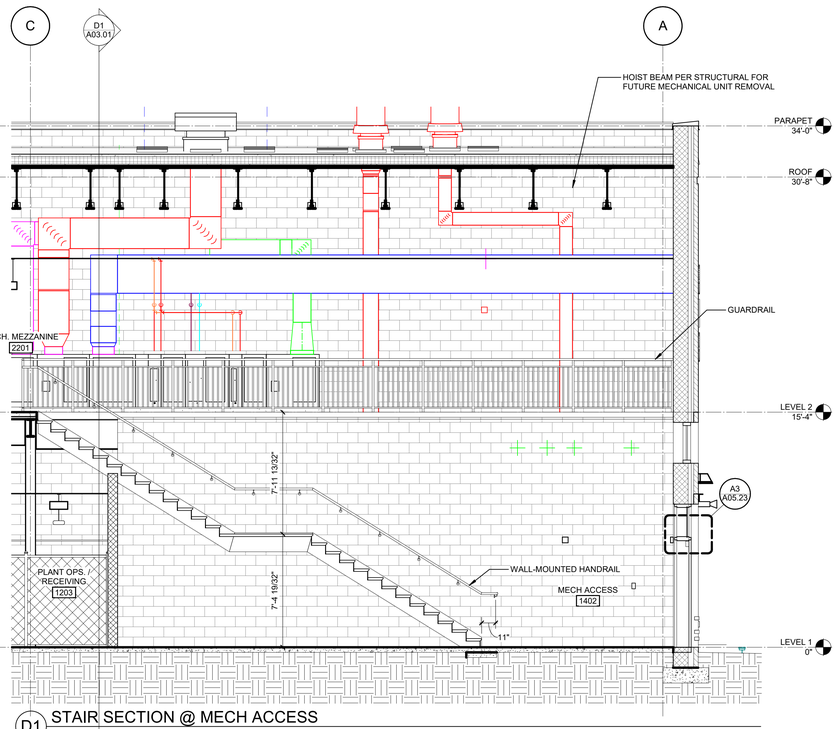
Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED STAIR PLANS AND SECTIONS

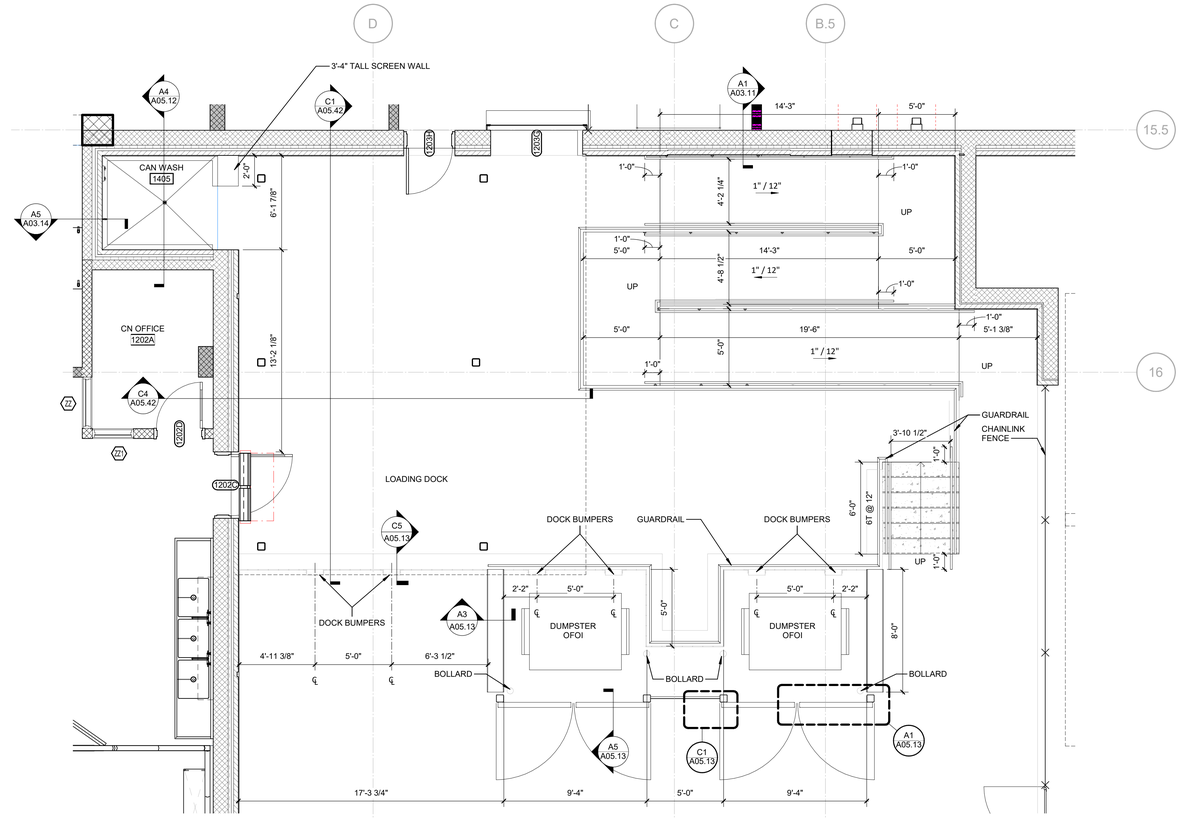
BID SET SUBMISSION: 2024.04.10

SHEET:
A04.02

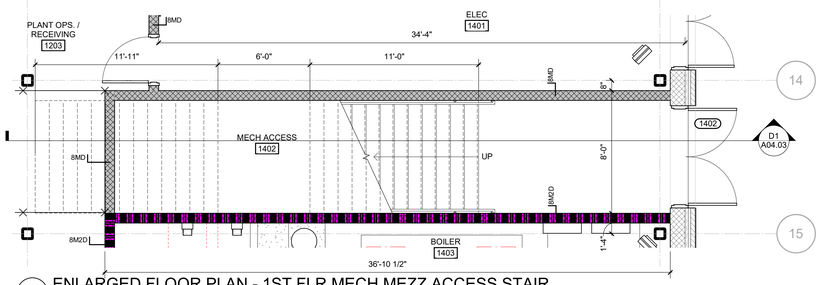
BID SET



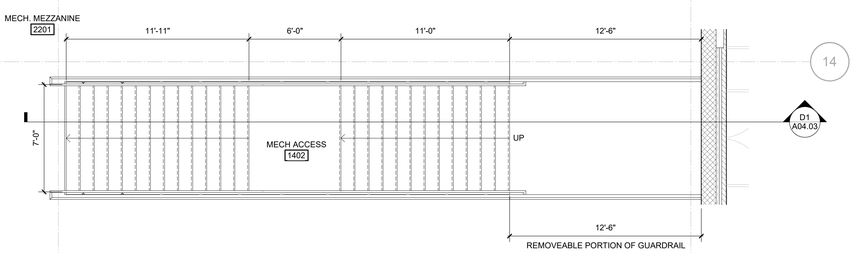
D1 STAIR SECTION @ MECH ACCESS
1/4" = 1'-0"



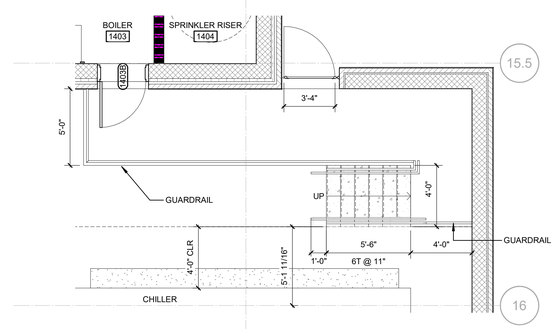
C3 ENLARGED FLOOR PLAN - EXT. LOADING DOCK STAIR & RAMP
1/4" = 1'-0"



B1 ENLARGED FLOOR PLAN - 1ST FLR MECH MEZZ ACCESS STAIR
1/4" = 1'-0"



A1 ENLARGED FLOOR PLAN - 2ND FLR MECH MEZZ ACCESS STAIR
1/4" = 1'-0"



A3 ENLARGED FLOOR PLAN - EXT. SERVICE YARD ACCESS STAIR
1/4" = 1'-0"

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAGE SIZE

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LS3P PROJECT: 8201-207411

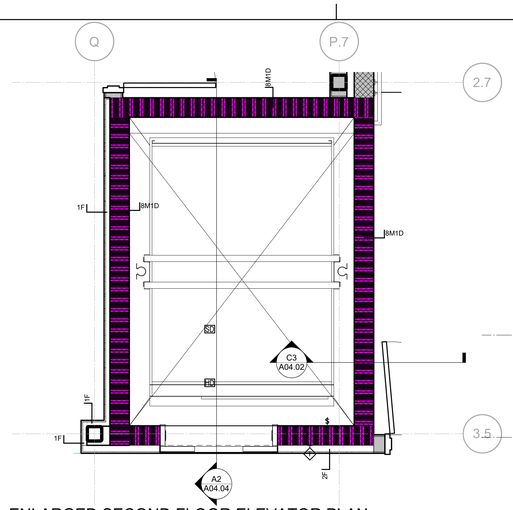
Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED STAIR AND RAMP PLANS AND SECTIONS

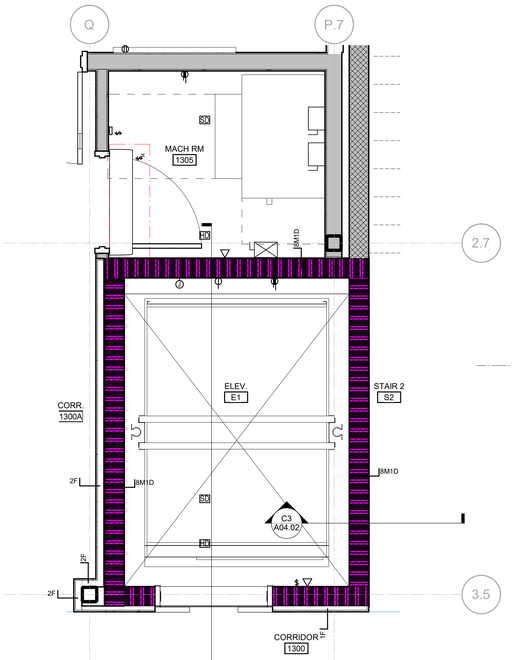
BID SET SUBMISSION: 2024.04.10

SHEET:
A04.03

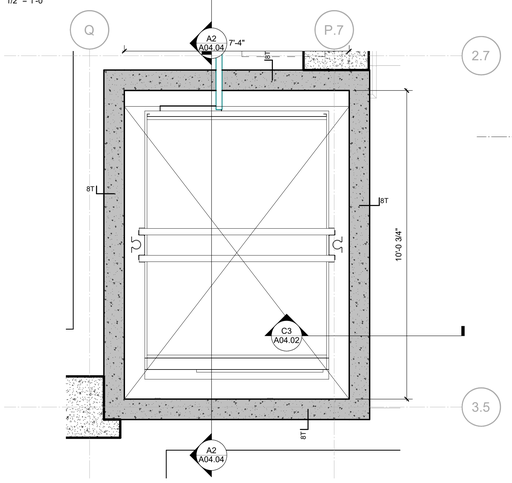
BID SET



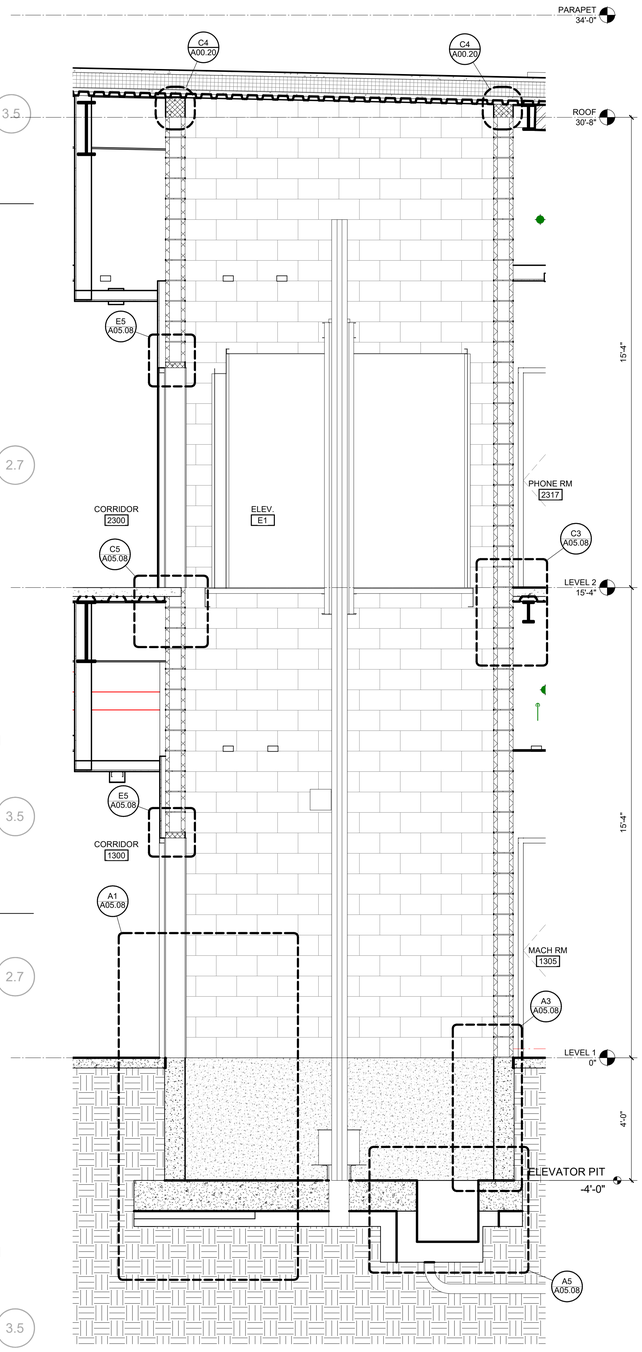
D1 ENLARGED SECOND FLOOR ELEVATOR PLAN
1/2" = 1'-0"



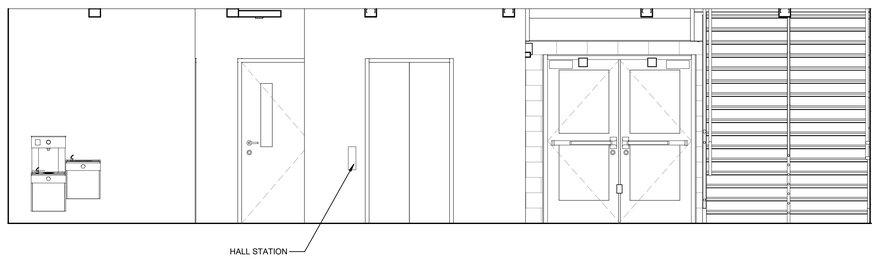
C1 ENLARGED FIRST FLOOR ELEVATOR PLAN
1/2" = 1'-0"



A1 ENLARGED FIRST FLOOR ELEVATOR PIT PLAN
1/2" = 1'-0"



A2 SECTION @ ELEVATOR
1/2" = 1'-0"



A4 ELEVATOR SIGNAGE ELEVATION
3/8" = 1'-0"

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ARCHITECT'S ORIGINAL PLOT SIZE

Wake County Public School System

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MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

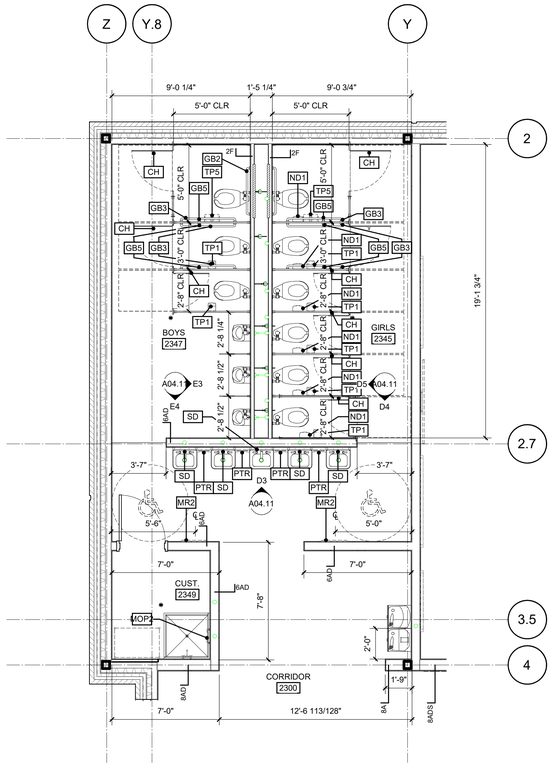
SHEET NAME:
ENLARGED ELEVATOR PLANS AND SECTIONS

BID SET SUBMISSION: 2024.04.10

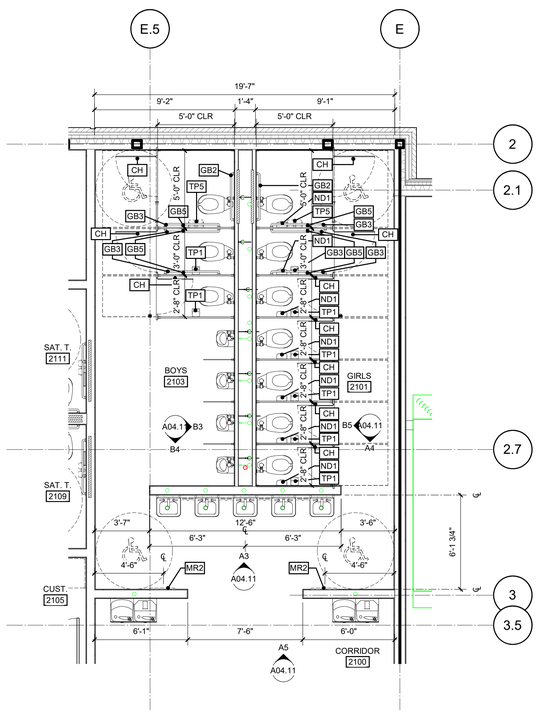
SHEET: **A04.04**

BID SET

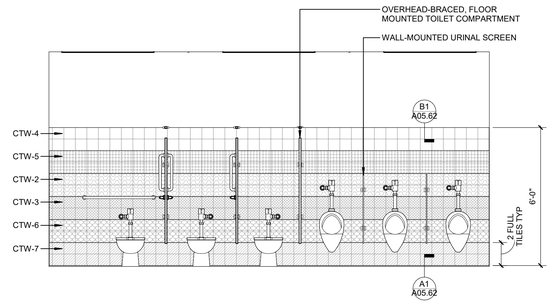
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



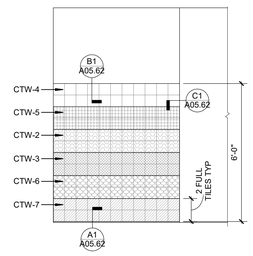
C1 ENLARGED FLOOR PLAN - LEVEL 2 AREA A GROUP TOILETS
1/4" = 1'-0"



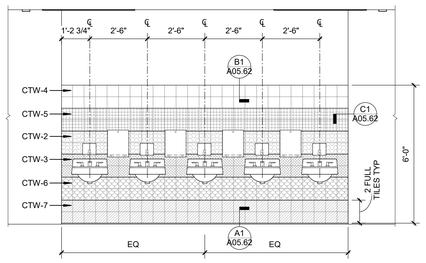
A1 ENLARGED FLOOR PLAN - LEVEL 2 GROUP RESTROOM - EAST
1/4" = 1'-0"



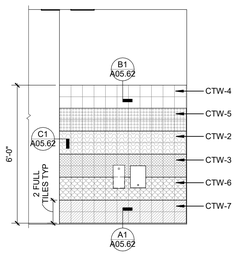
E3 BOYS 2347 - EAST
3/8" = 1'-0"



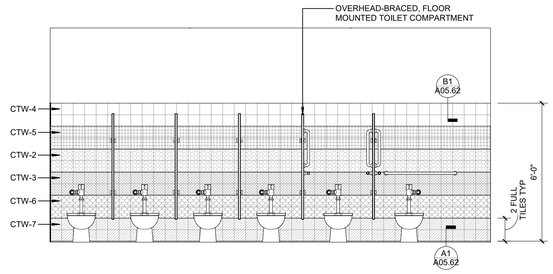
E4 BOYS 2347 - SOUTH
3/8" = 1'-0"



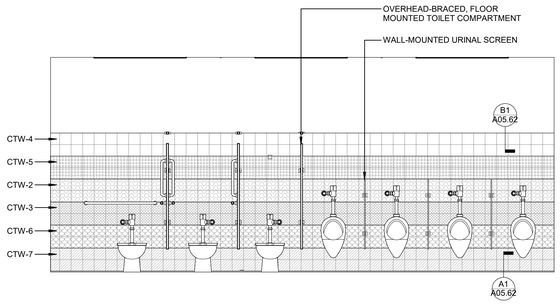
D3 GROUP RESTROOM - TYP LAVATORY WALL
3/8" = 1'-0"



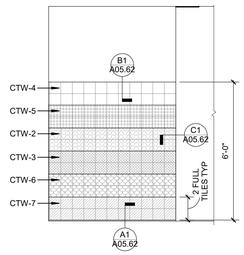
D4 GIRLS 2345 - SOUTH
3/8" = 1'-0"



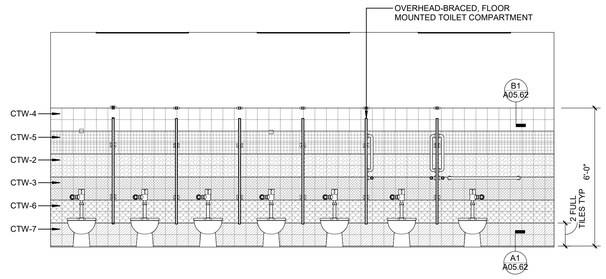
D5 GIRLS 2345 - WEST
3/8" = 1'-0"



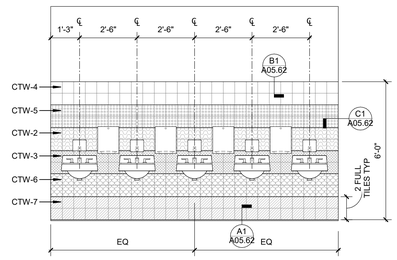
B3 BOYS 2103 - EAST
3/8" = 1'-0"



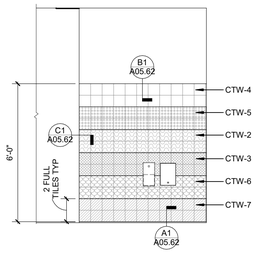
B4 BOYS 2103 - SOUTH
3/8" = 1'-0"



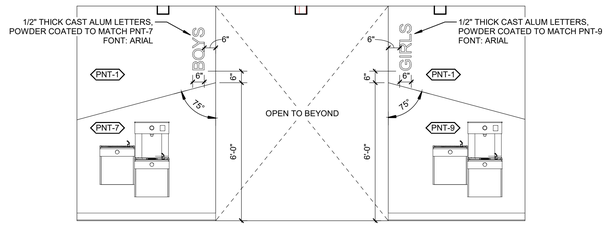
B5 GIRLS 2101 - WEST
3/8" = 1'-0"



A3 GROUP RESTROOM - TYP. LAVATORY WALL
3/8" = 1'-0"



A4 GIRLS 2101 - SOUTH
3/8" = 1'-0"



A5 GROUP RESTROOM - CORRIDOR
3/8" = 1'-0"

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

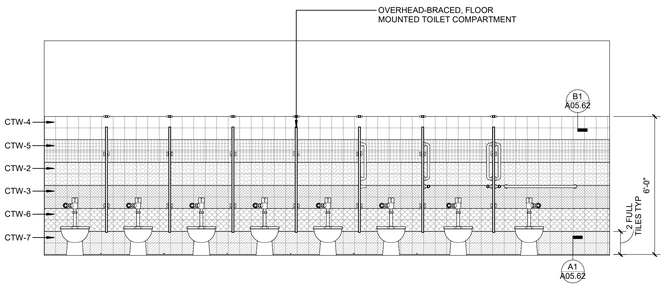
SHEET NAME:
ENLARGED TOILET ROOM PLANS AND ELEVATIONS

BID SET SUBMISSION: 2024.04.10

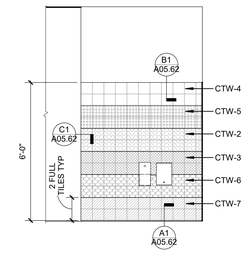
SHEET:
A04.11

BID SET

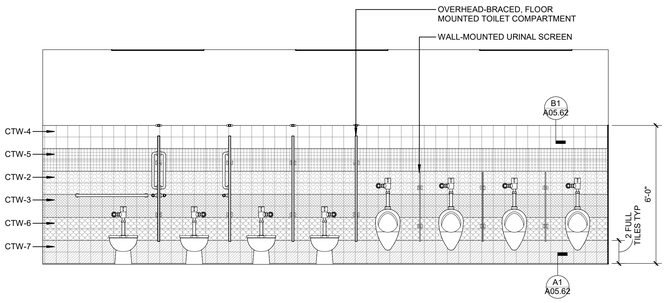
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE SHEETS ORIGINAL PLOT SIZE



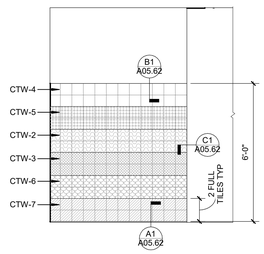
D1 GIRLS 1109 - NORTH
3/8" = 1'-0"



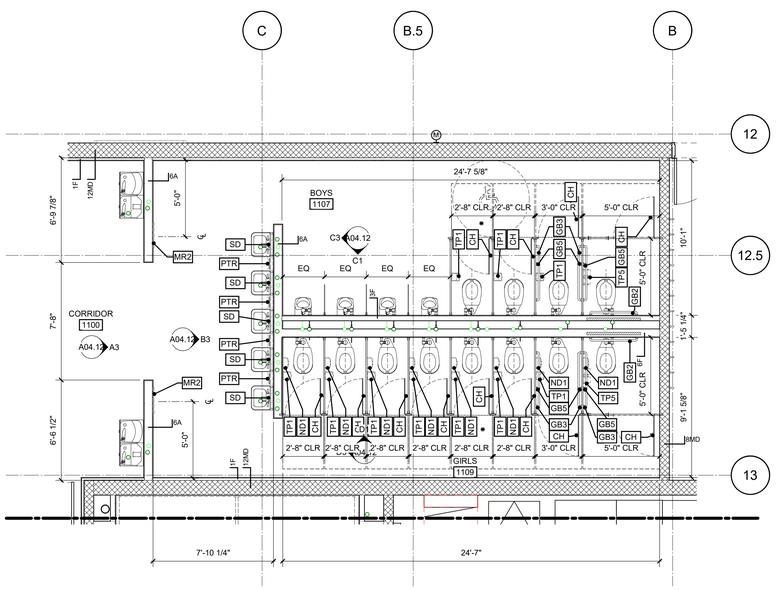
D3 GIRLS 1109 - WEST
3/8" = 1'-0"



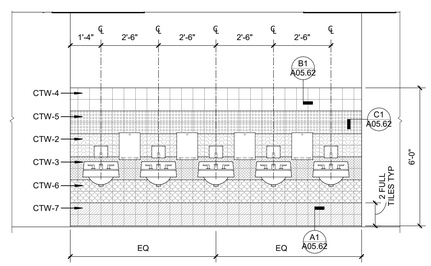
C1 BOYS 1107 - SOUTH
3/8" = 1'-0"



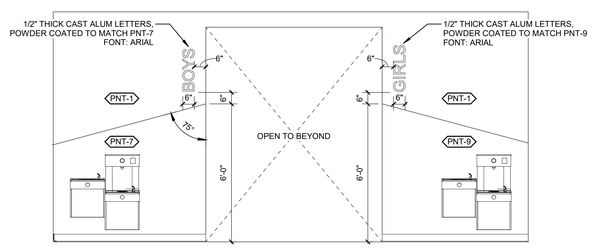
C3 BOYS 1107 - WEST
3/8" = 1'-0"



A1 ENLARGED FLOOR PLAN - AREA D GROUP TOILETS
1/4" = 1'-0"



B3 GROUP RESTROOM - TYP LAVATORY WALL
3/8" = 1'-0"



A3 GROUP RESTROOM - CORRIDOR
3/8" = 1'-0"

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

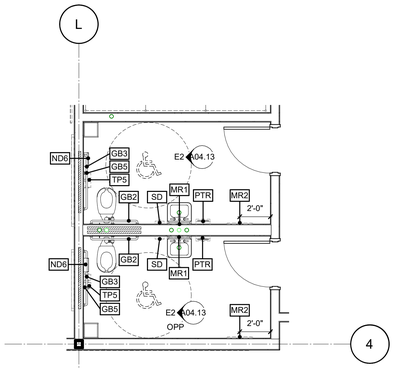
SHEET NAME:
ENLARGED TOILET ROOM PLANS AND ELEVATIONS

BID SET SUBMISSION: 2024.04.10

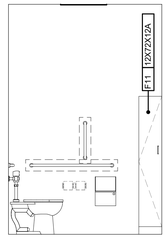
SHEET:
A04.12

BID SET

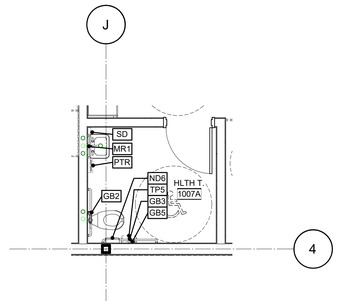
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



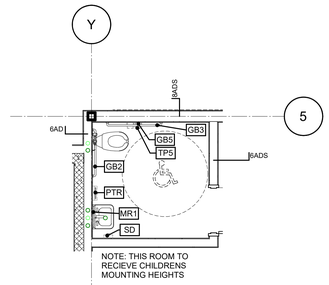
E1 ENLARGED PLAN - ADMIN TOILET
1/4" = 1'-0"



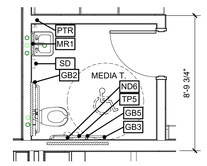
E2 ELEVATION - ADMIN TOILET
3/8" = 1'-0"



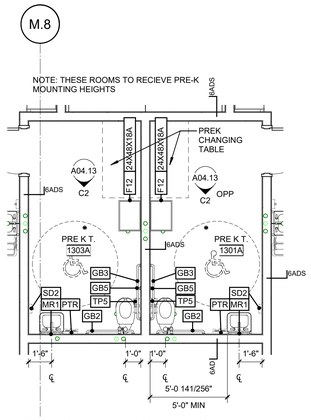
E3 ENLARGED PLAN - HEALTH TOILET
1/4" = 1'-0"



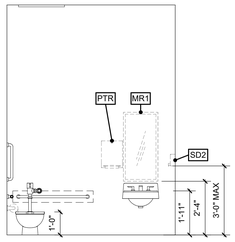
E4 ENLARGED PLAN TYP CLASSROOM TOILET
1/4" = 1'-0"



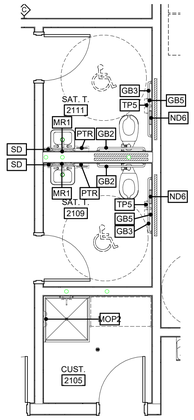
E5 ENLARGED PLAN - MEDIA CENTER
1/4" = 1'-0"



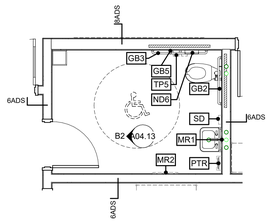
C1 ENLARGED PLAN - PRE K TOILET
1/4" = 1'-0"



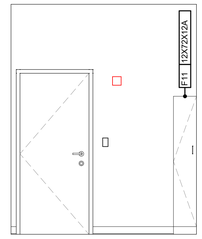
C2 ELEVATION - PRE K TOILET
3/8" = 1'-0"



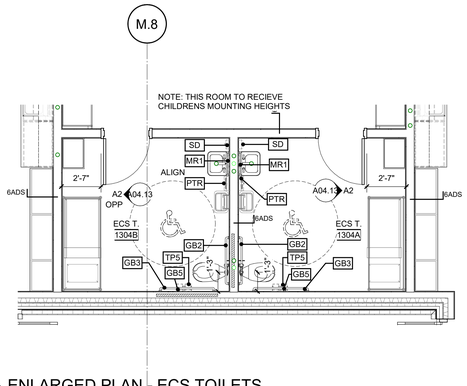
B3 ENLARGED PLAN - SAT TOILETS & CUST
1/4" = 1'-0"



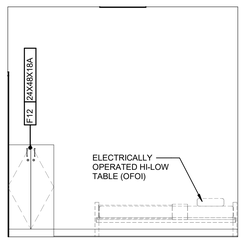
B1 ENLARGED PLAN - STUDENT SERVICES TOILET
1/4" = 1'-0"



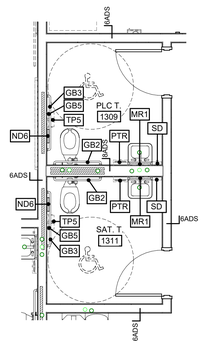
B2 ELEVATION - STUDENT SERVICE TOILET
3/8" = 1'-0"



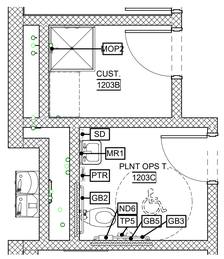
A1 ENLARGED PLAN - ECS TOILETS
1/4" = 1'-0"



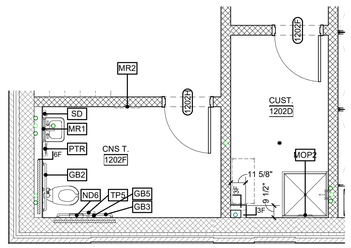
A2 ELEVATION - ECS TOILET
3/8" = 1'-0"



A3 ENLARGED PLAN - STAFF TOILET
1/4" = 1'-0"



A4 ENLARGED PLAN - PLANT OPS TOILET
1/4" = 1'-0"



A5 ENLARGED PLAN - KITCHEN TOILET
1/4" = 1'-0"

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

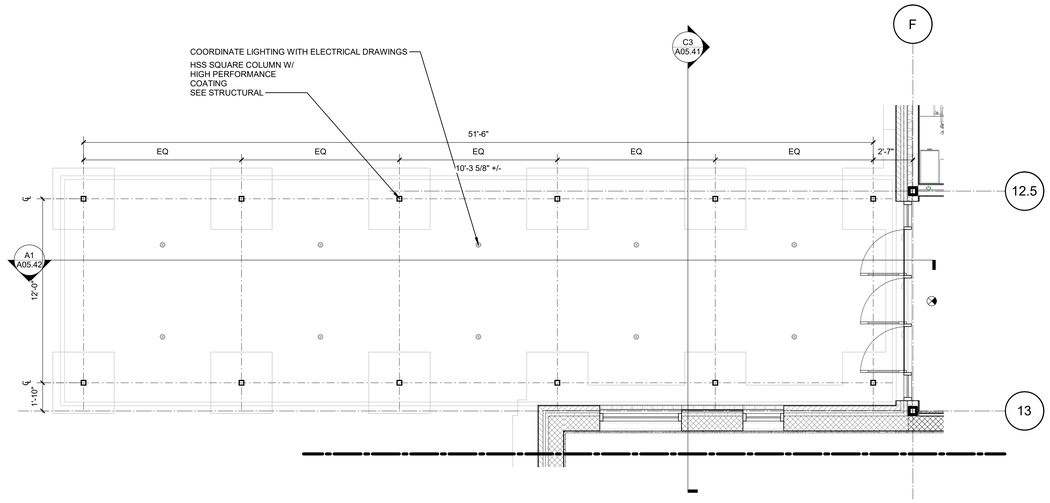
Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED TOILET ROOM PLANS AND ELEVATIONS

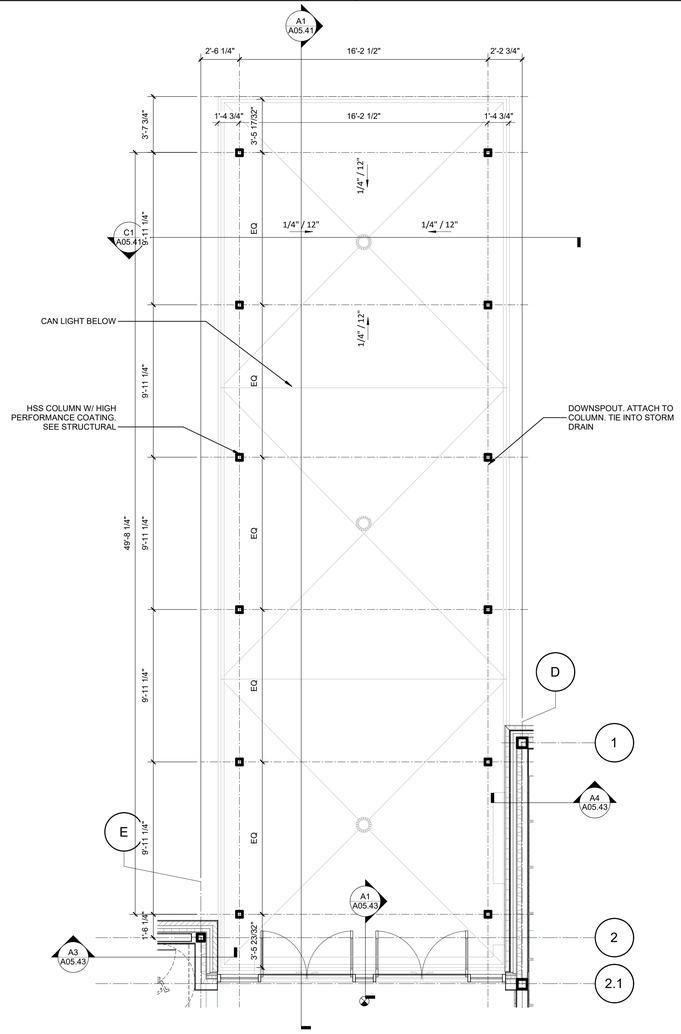
BID SET SUBMISSION: 2024.04.10

SHEET: A04.13

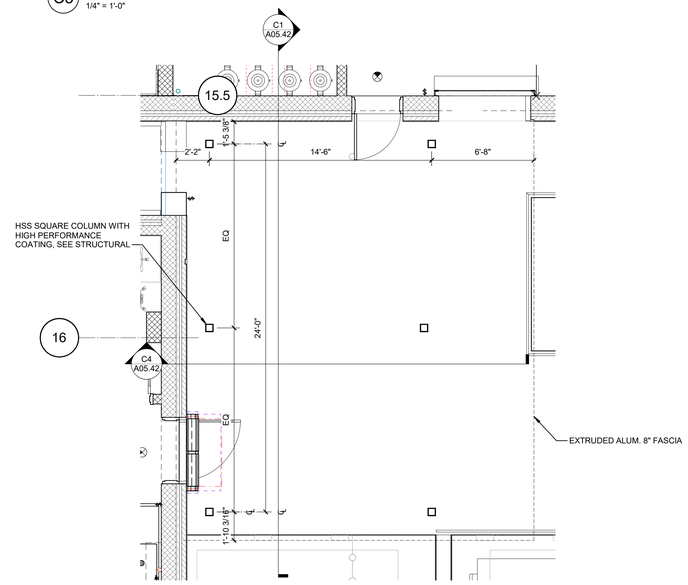
BID SET



D1 ENLARGED CANOPY PLAN - BUS CANOPY - BID ALTERNATE
1/4" = 1'-0"



C5 ENLARGED CANOPY PLAN - MAIN ENTRY
1/4" = 1'-0"



A5 ENLARGED CANOPY PLAN - LOADING DOCK
1/4" = 1'-0"

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PLAN SHEETS

Wake County Public School System

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

△	DATE	DESCRIPTION

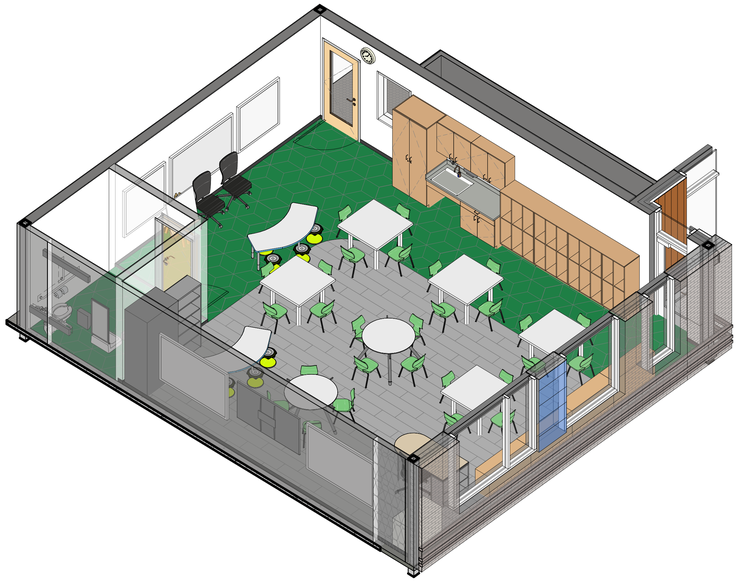
SHEET NAME:
ENLARGED CANOPY PLANS

BID SET SUBMISSION: 2024.04.10

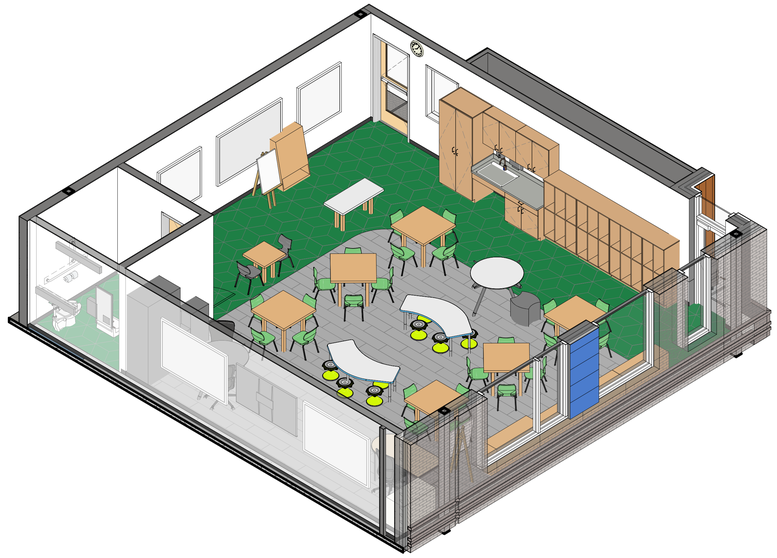
SHEET:
A04.20

BID SET

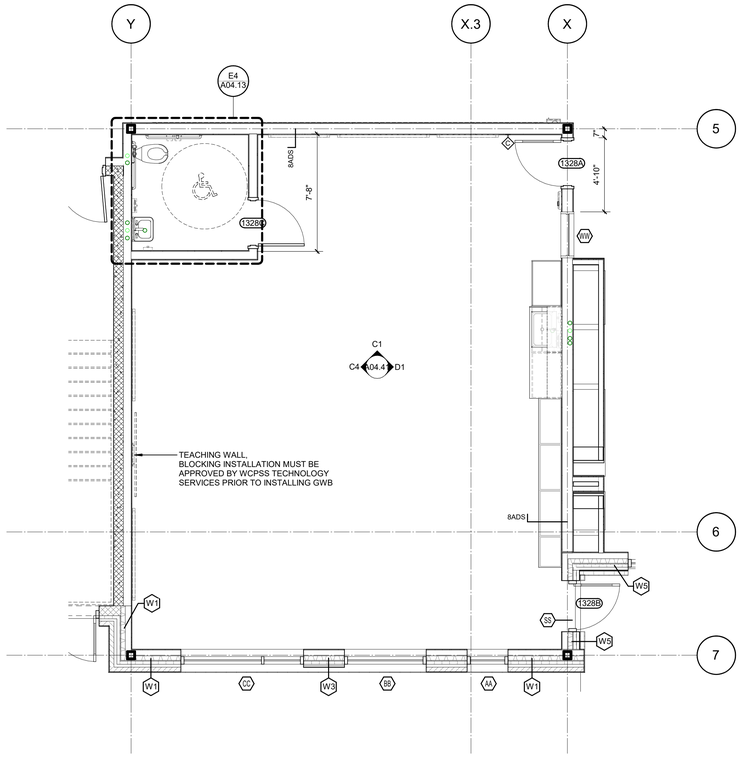
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



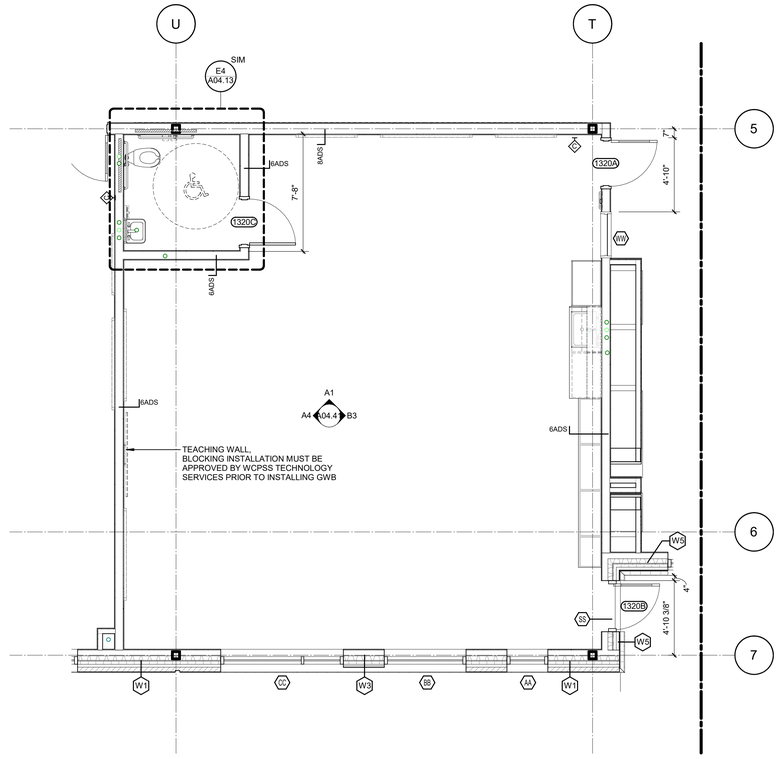
D1 TYP 1ST CLASSROOM



D4 TYP KINDERGARTEN CLASSROOM



A1 ENLARGED PLAN - TYP 1ST
1/4" = 1'-0"



A4 ENLARGED PLAN - TYP KINDERGARTEN
1/4" = 1'-0"

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Swift Creek Elementary School

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

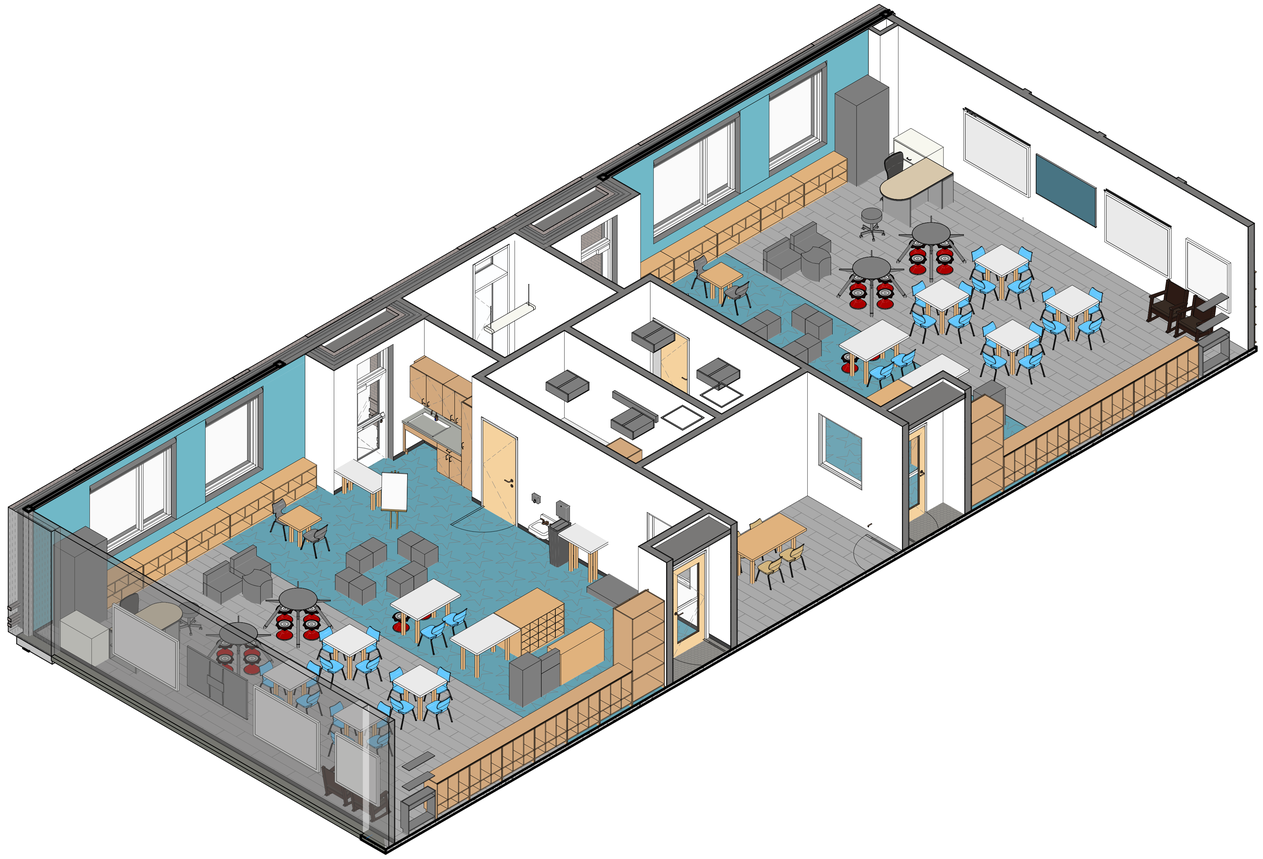
SHEET NAME:
ENLARGED PLAN - TYP 1ST & K

BID SET SUBMISSION: 2024.04.10

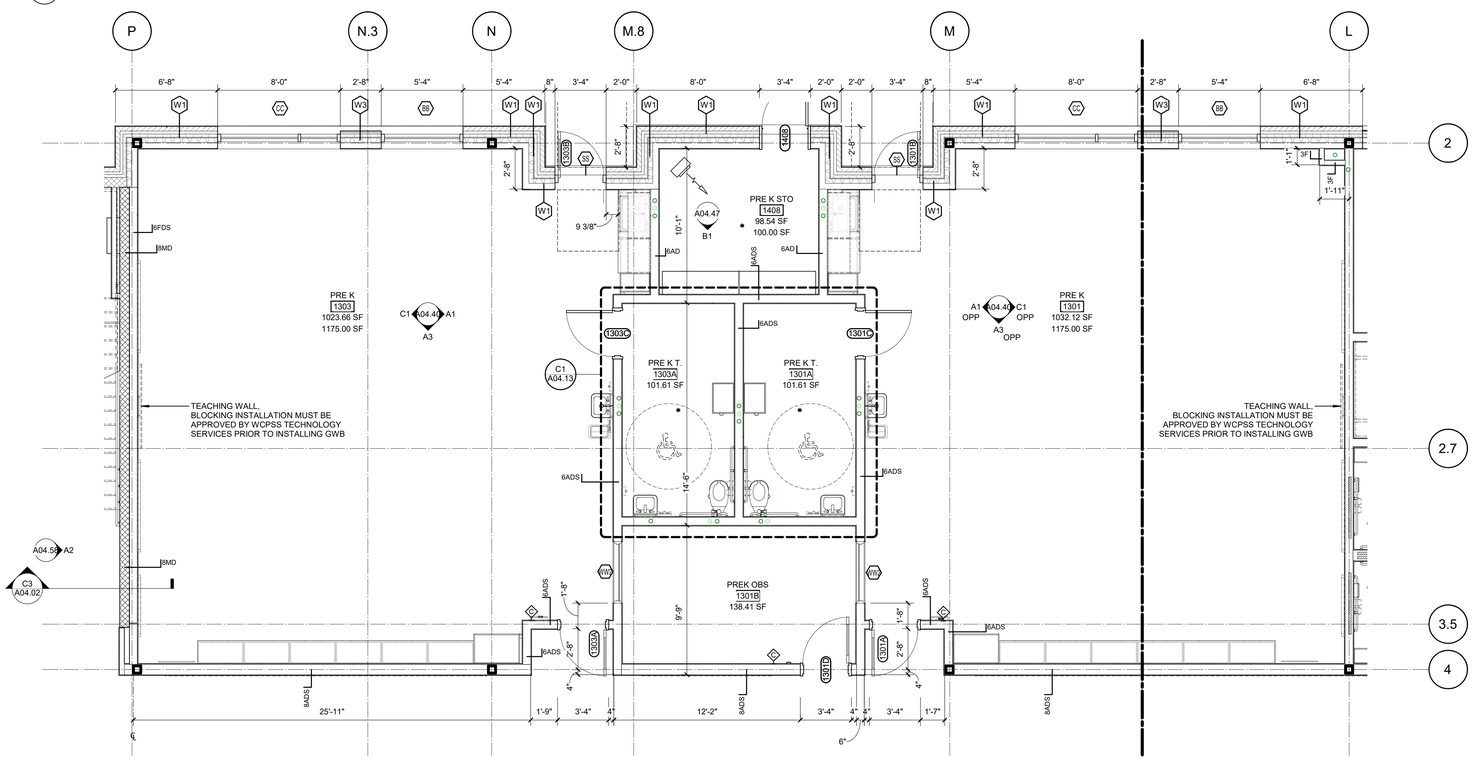
SHEET:
A04.21

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE SHEETS ORIGINAL PAPER SIZE



C1 PRE K



A1 ENLARGED PLAN - PRE K
1/4" = 1'-0"

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

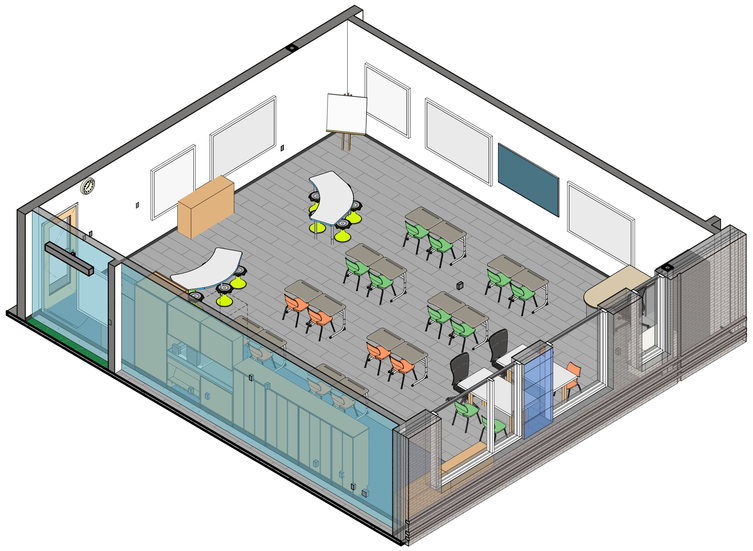
SHEET NAME:
ENLARGED PLAN - PRE-K

BID SET SUBMISSION: 2024.04.10

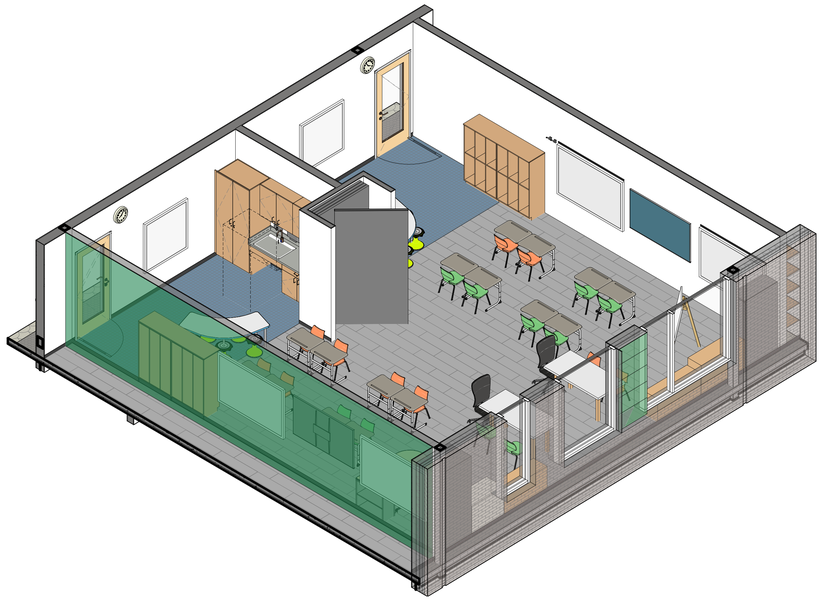
SHEET:
A04.22

BID SET

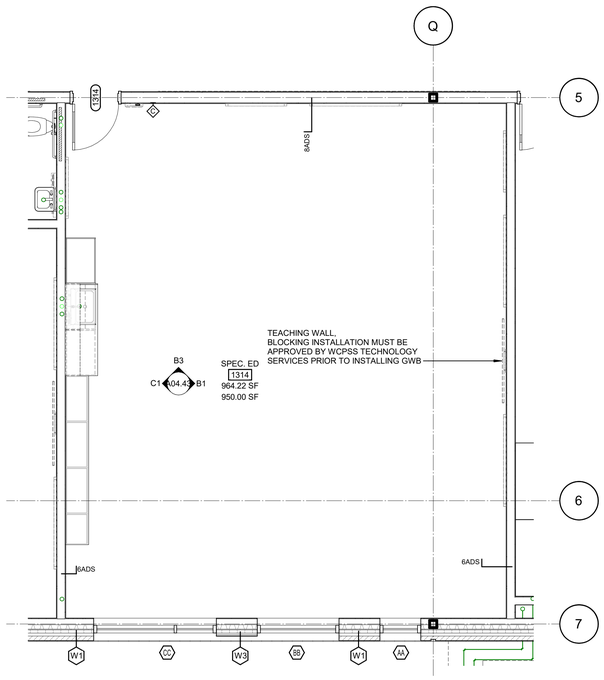
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE SHEETS ORIGINAL PLOT SIZE



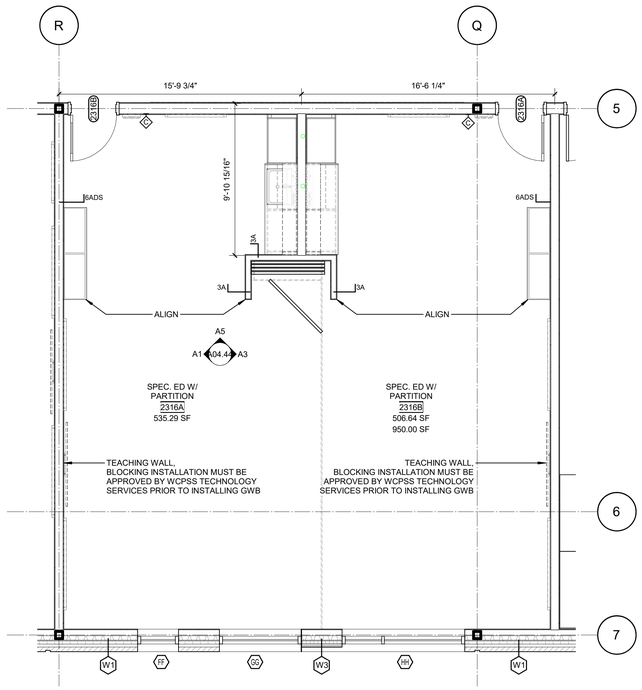
D1 SPEC ED OPEN



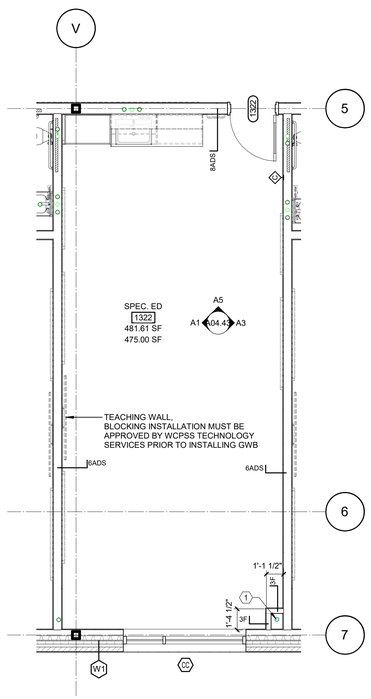
D4 SPEC ED W/ PARTITION



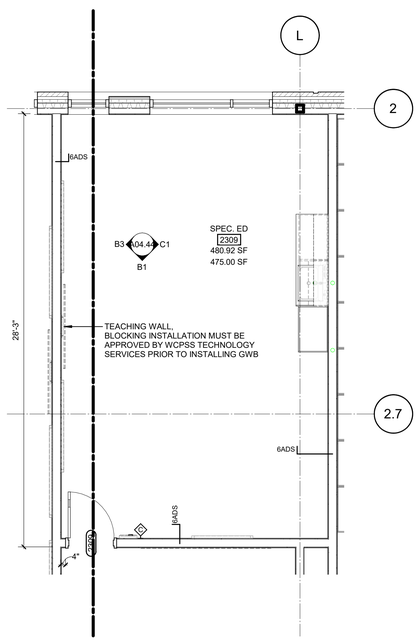
A1 ENLARGED PLAN - SPEC ED 1314
1/4" = 1'-0"



A3 ENLARGED PLAN - SPEC ED W/ PARTITION
1/4" = 1'-0"



A4 ENLARGED PLAN - SPEC ED 1322
1/4" = 1'-0"



A5 ENLARGED PLAN - SPEC ED 2309
1/4" = 1'-0"

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED PLAN - SPEC ED

BID SET SUBMISSION: 2024.04.10

SHEET: A04.23

BID SET

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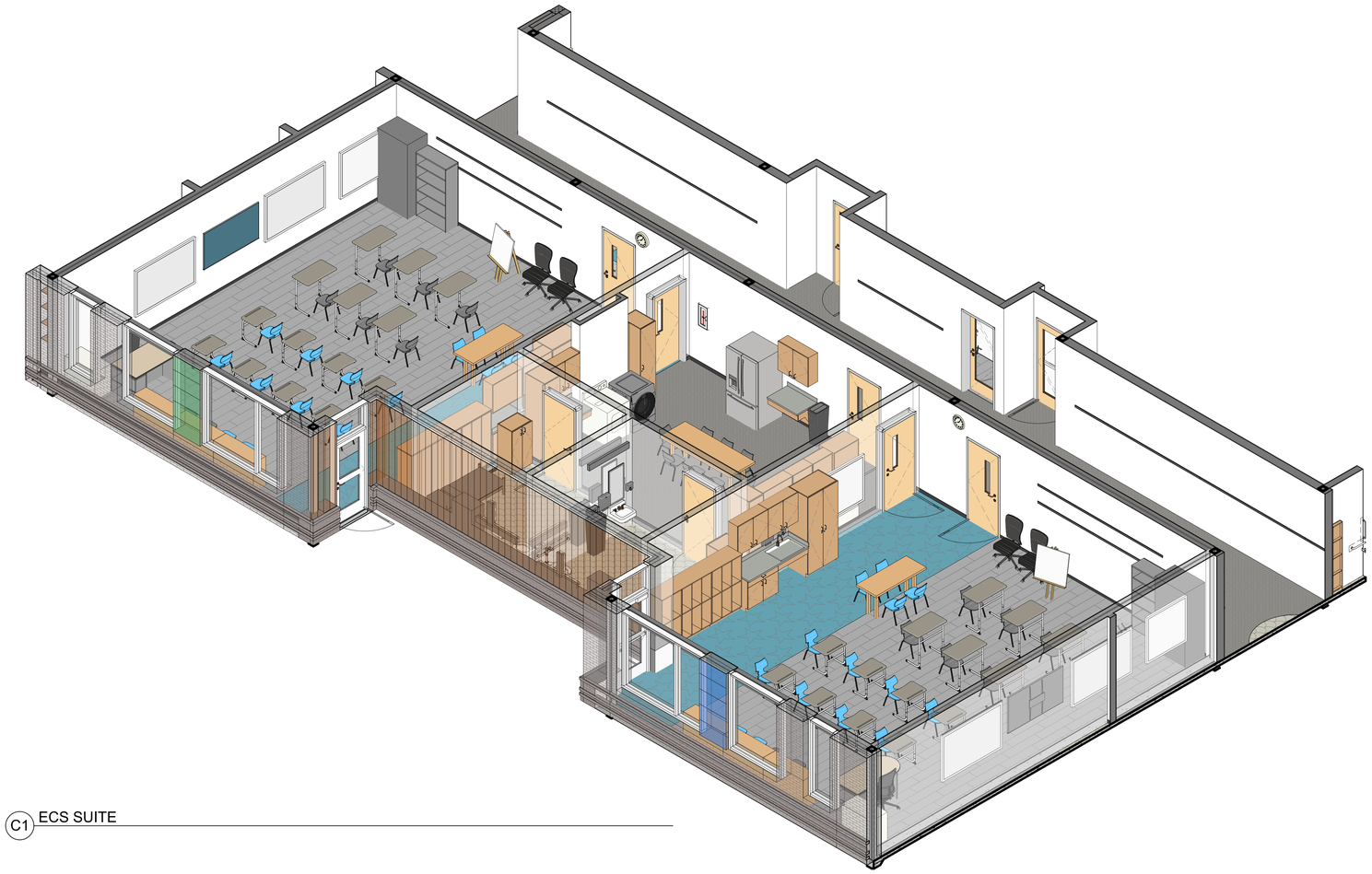
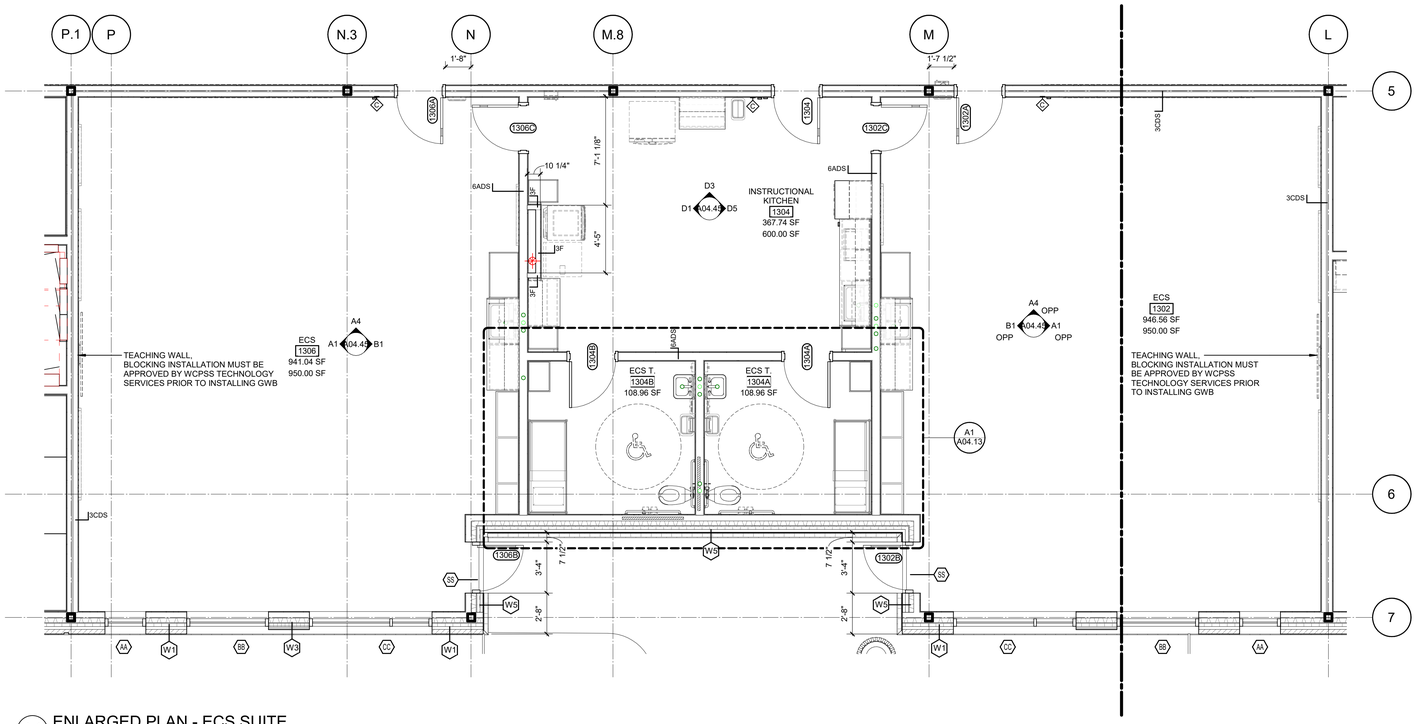


C1 ECS SUITE



A1 ENLARGED PLAN - ECS SUITE
1/4" = 1'-0"

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LS3P PROJECT: 8201-207411

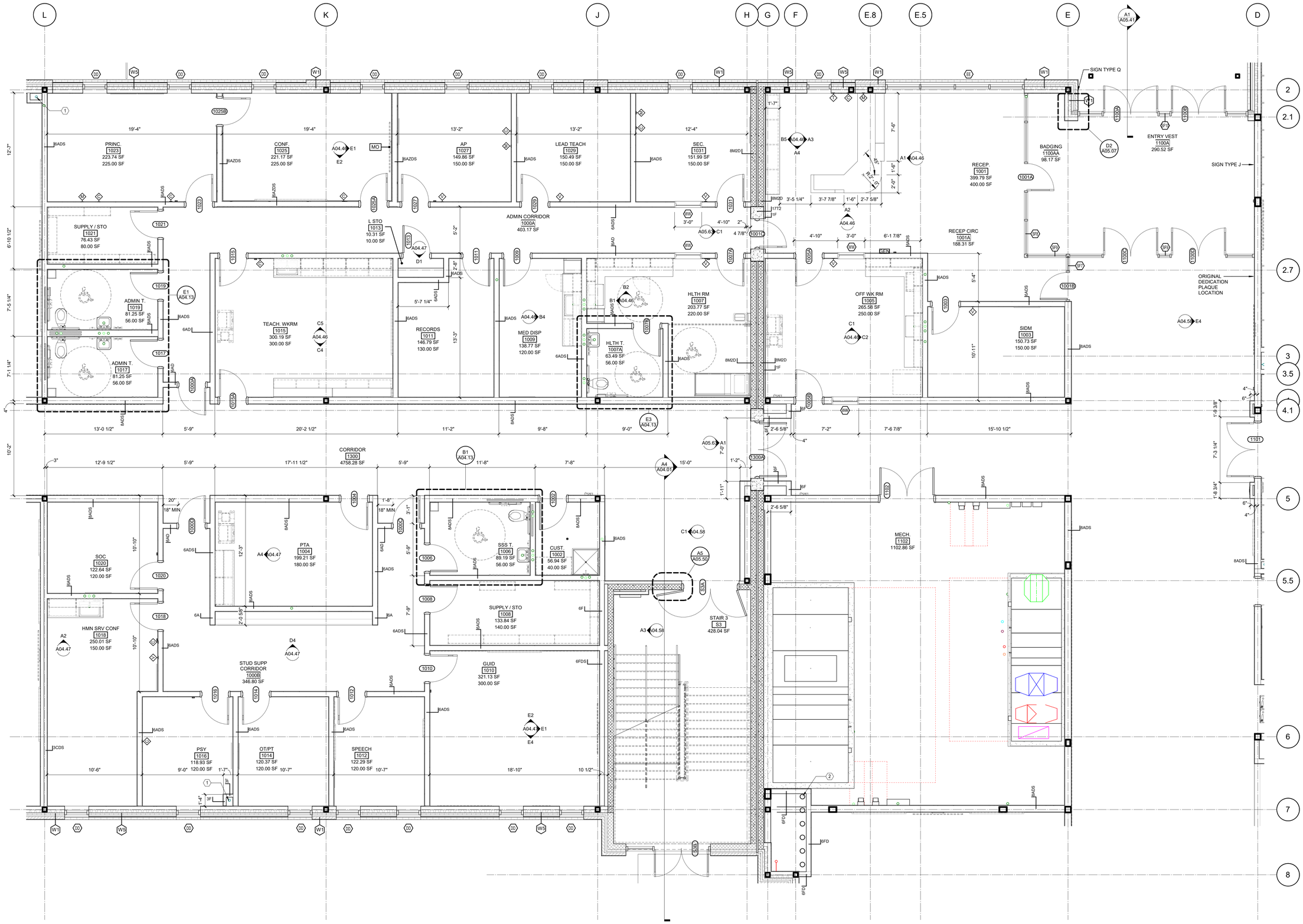
Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED PLAN - ECS SUITE

BID SET SUBMISSION: 2024.04.10

SHEET:
A04.24

BID SET



A1 ENLARGED PLAN - ADMIN
1/4" = 1'-0"

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

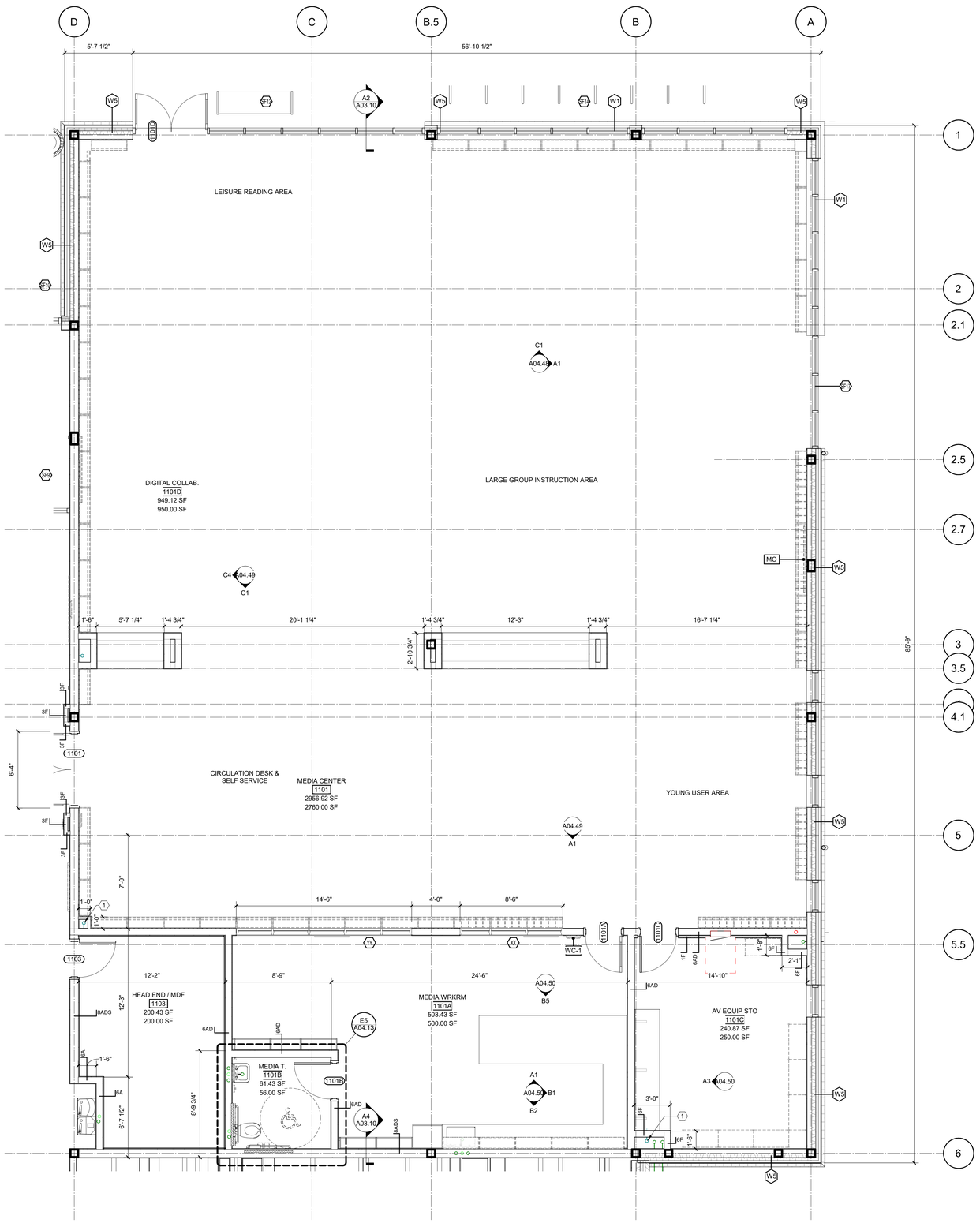
SHEET NAME: ENLARGED PLAN - ADMIN

BID SET SUBMISSION: 2024.04.10

SHEET: A04.25

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ARCHITECT'S ORIGINAL PLAN SHEETS



REQUIREMENTS PER 2020 LEG'S:
1,400 MIN TOTAL LINEAR FEET OF ADJUSTABLE SHELVING:

281 LINEAR FEET OF PICTURE BOOK SHELVING (MIN 93 SHELVES WITH DIVIDERS)
18 LINEAR FEET OF ADUJSTABLE SHELVING AT CIRCULATION/SELF-SERVICE

PROVIDED AS SHOWN:
168 LINEAR FEET OF MOBILE UNIT PICTURE BOOK SHELVING
162 LINEAR FEET OF FIXED UNIT PICTURE BOOK SHELVING
= 330 LINEAR FEET OF PICTURE BOOK SHELVING

324 LINEAR FEET OF MOBILE ADJUSTABLE BOOK SHELVING
402 LINEAR FEET OF FIXED ADJUSTABLE BOOK SHELVING
= 726 LINEAR FEET OF ADJUSTABLE SHELVING

1,056 TOTAL LINEAR FEET OF ADJUSTABLE SHELVING IN MEDIA CENTER

**THIS CONSERVATIVELY ASSUMES 42"H SHELVING UNITS HAVE 2 USABLE SHELVES AND 72"H UNITS HAVE 4 USABLE SHELVES

A1 ENLARGED PLAN - MEDIA CENTER
1/4" = 1'-0"

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

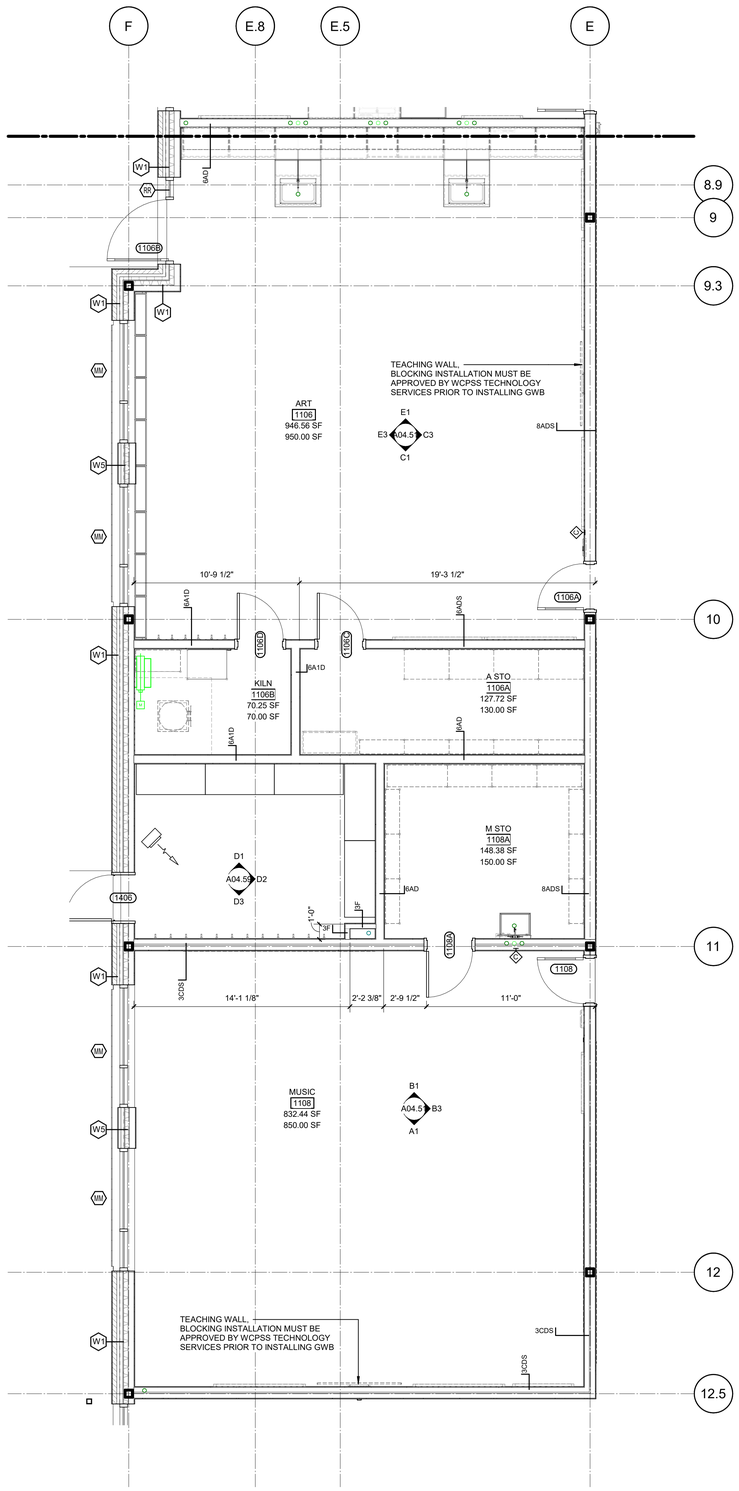
SHEET NAME:
ENLARGED PLAN - MEDIA CENTER

BID SET SUBMISSION: 2024.04.10

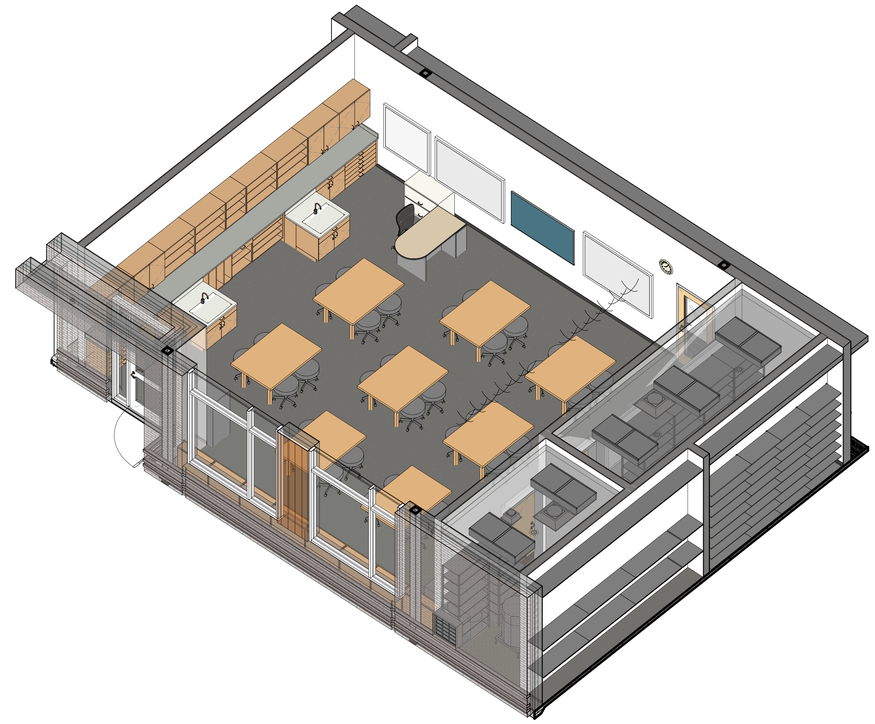
SHEET:
A04.26

BID SET

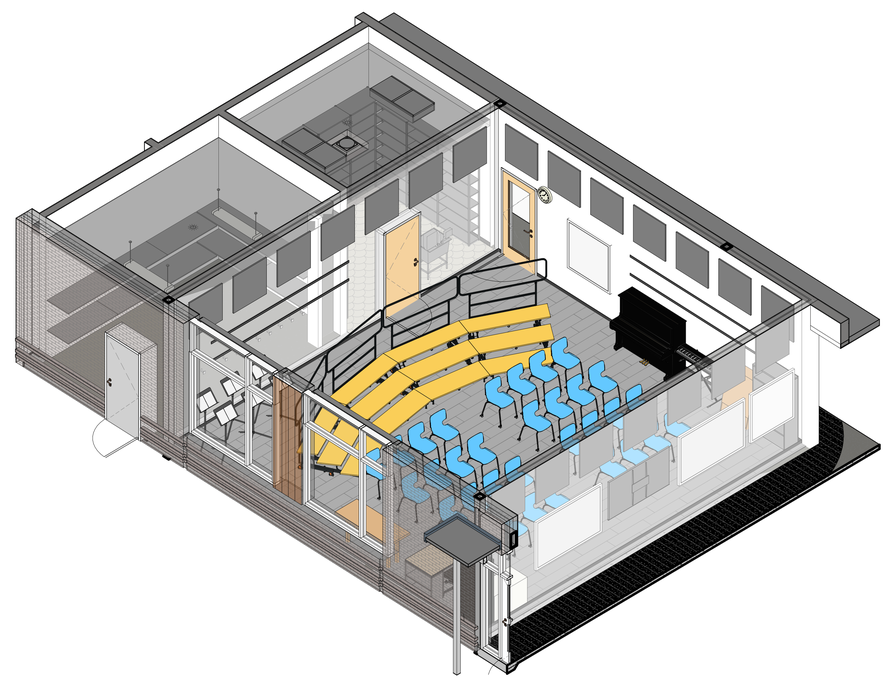
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



A1 ENLARGED PLAN - ART & MUSIC
1/4" = 1'-0"



C1 ART



A4 MUSIC

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

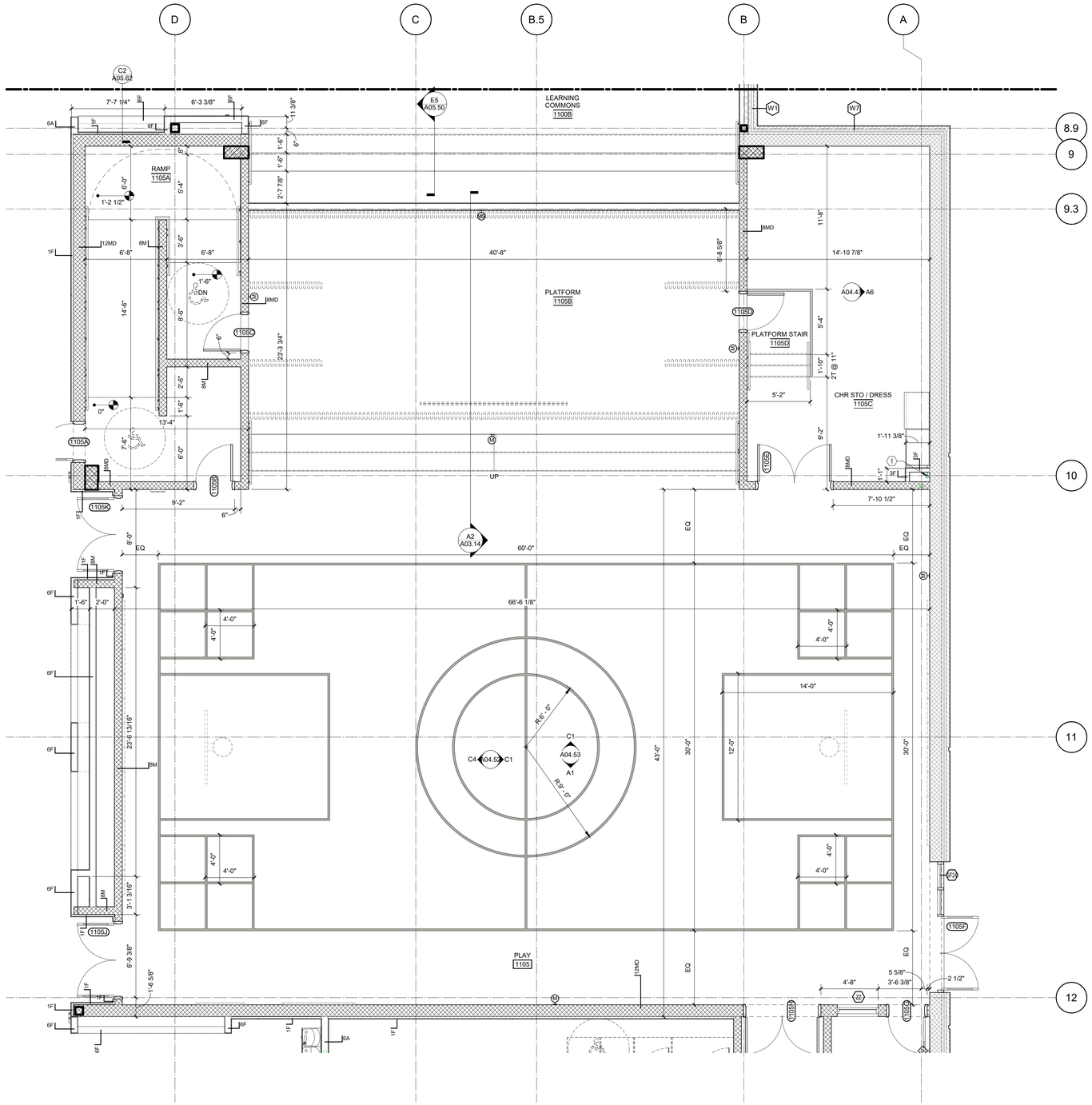
SHEET NAME:
ENLARGED PLAN - ART & MUSIC

BID SET SUBMISSION: 2024.04.10

SHEET:
A04.27

BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



A1 ENLARGED PLAN - PLAY & PLATFORM

1/4" = 1'-0"

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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED PLAN - PLAY & PLATFORM

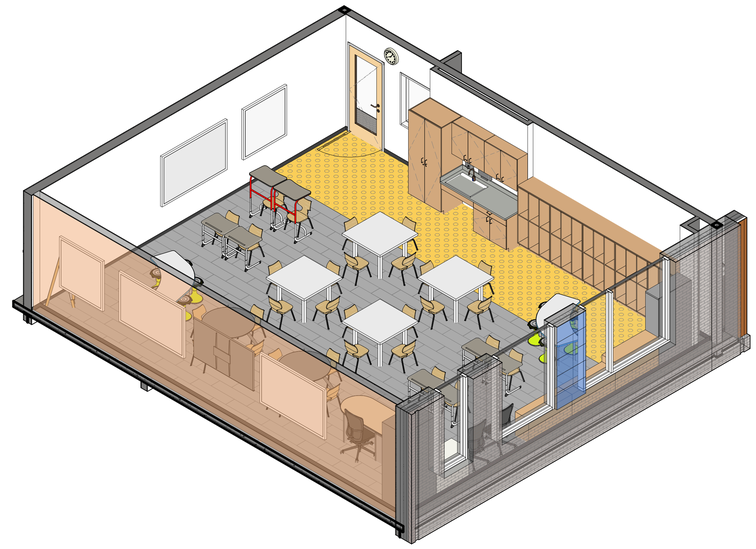
BID SET SUBMISSION: 2024.04.10

SHEET:
A04.28

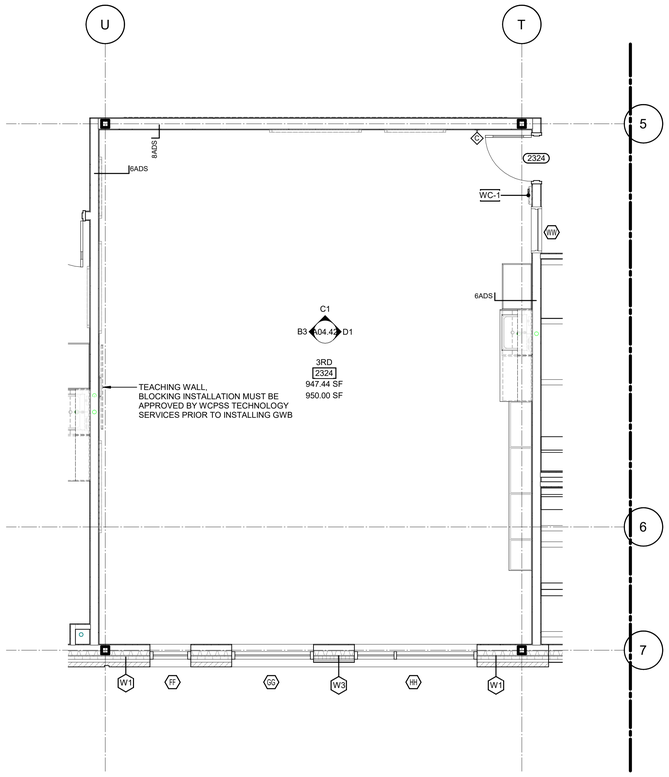
BID SET

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

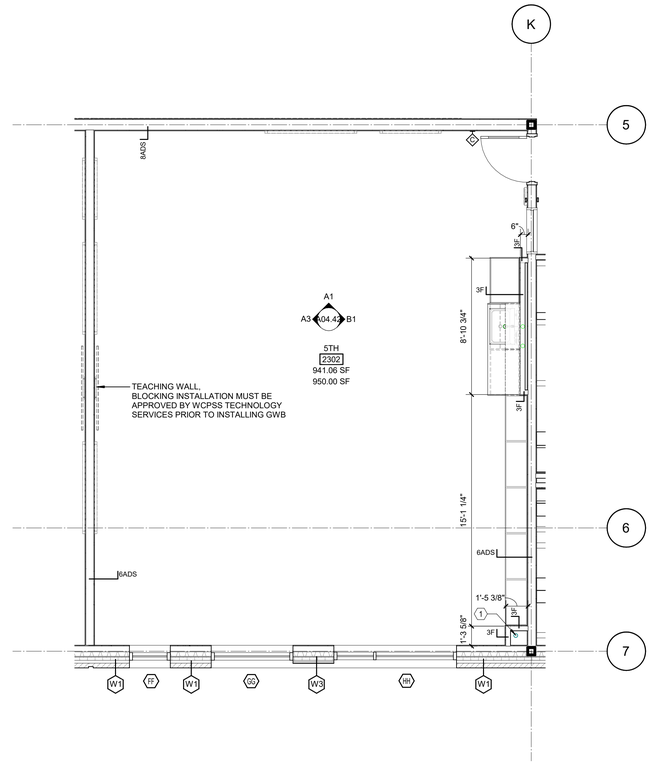
D1 TYP 2ND & 3RD CLASSROOM



D4 TYP 4TH & 5TH CLASSROOM



A1 ENLARGED PLAN - TYP 2ND & 3RD
1/4" = 1'-0"



A4 ENLARGED PLAN - TYP 4TH & 5TH
1/4" = 1'-0"

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LS3P PROJECT: 8201-207411

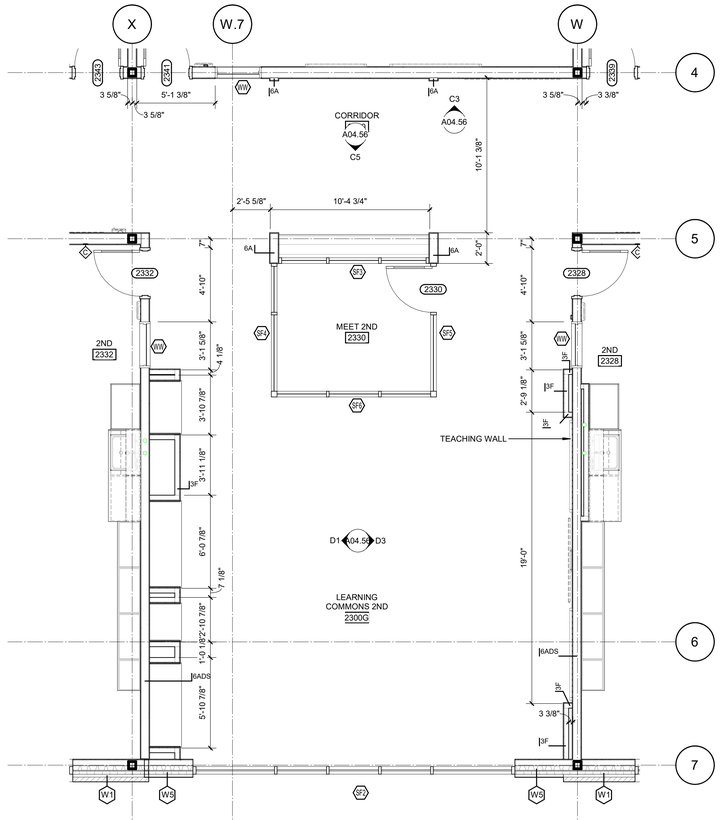
Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED PLAN - TYP 2ND, 3RD, 4TH & 5TH

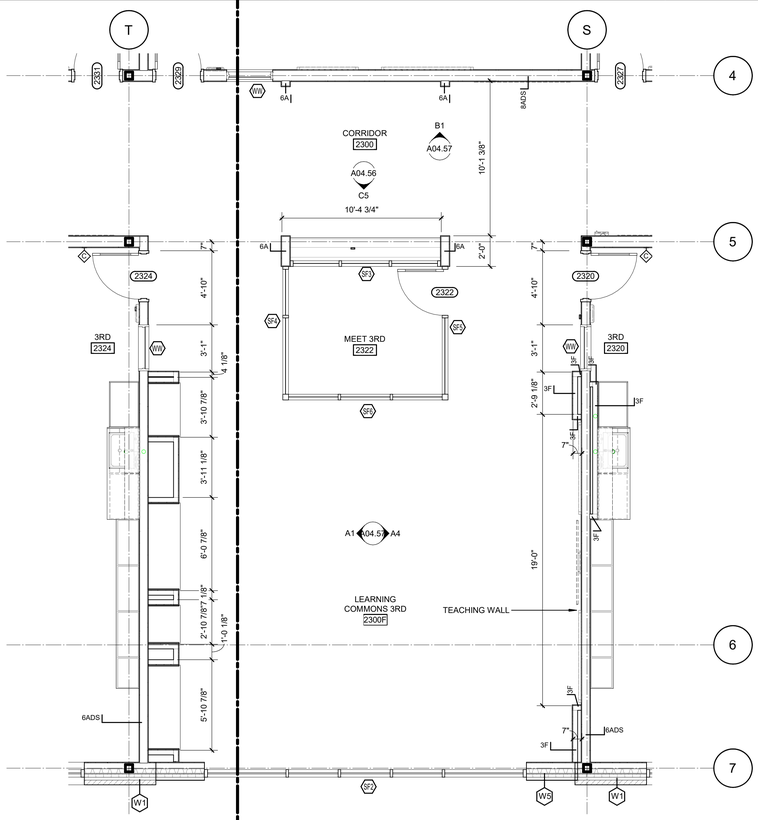
BID SET SUBMISSION: 2024.04.10

SHEET:
A04.29

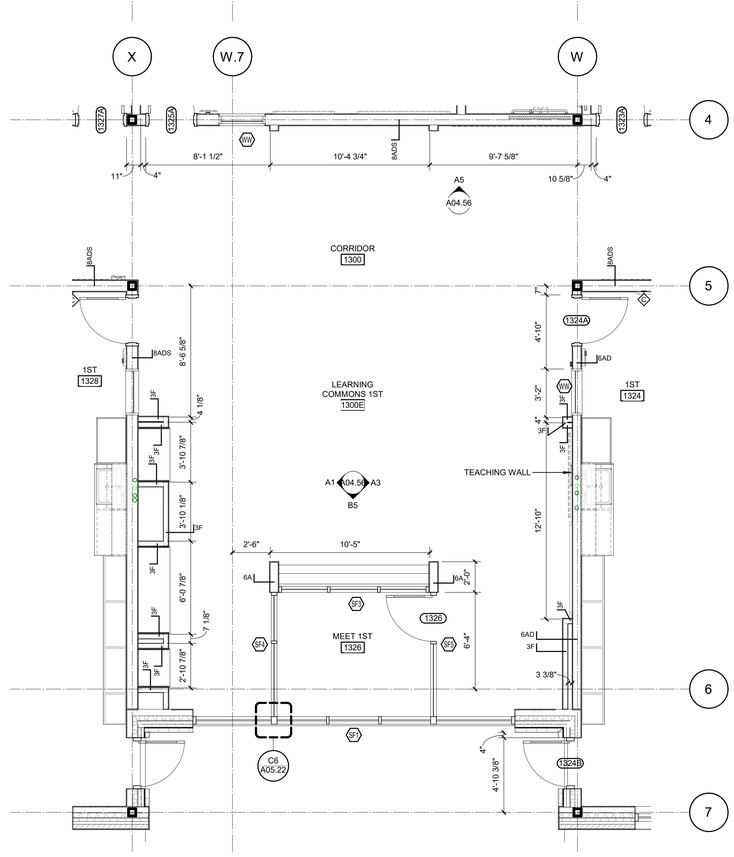
BID SET



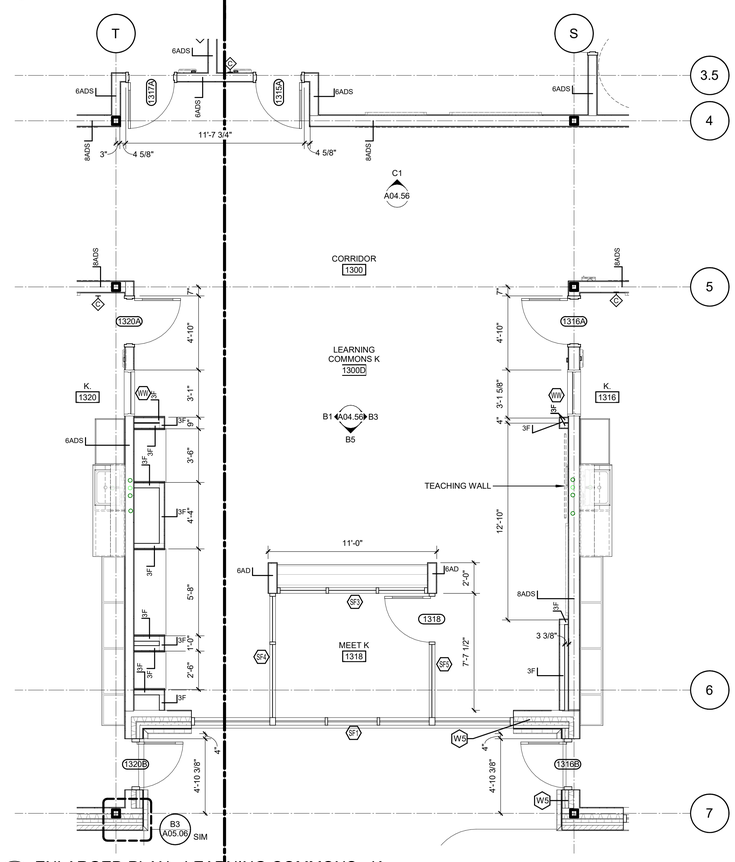
C1 ENLARGED PLAN - LEARNING COMMONS - 2ND
1/4" = 1'-0"



C3 ENLARGED PLAN - LEARNING COMMONS - 3RD
1/4" = 1'-0"



A1 ENLARGED PLAN - LEARNING COMMONS - 1ST
1/4" = 1'-0"



A3 ENLARGED PLAN - LEARNING COMMONS - K
1/4" = 1'-0"

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

Wake County Public School System

LS3P
434 FAYETTEVILLE STREET SUITE 1700
RALEIGH, NORTH CAROLINA 27601
TEL. 919.829.2700 FAX. 919.829.2730
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LS3P ASSOCIATES LTD. REGISTERED ARCHITECTURAL COMPANY CERT. NO. 50417 RALEIGH, NORTH CAROLINA

MARY H. BREHLER REGISTERED ARCHITECT 13105 4-10-24 NORTH CAROLINA Raleigh, N.C.

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Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

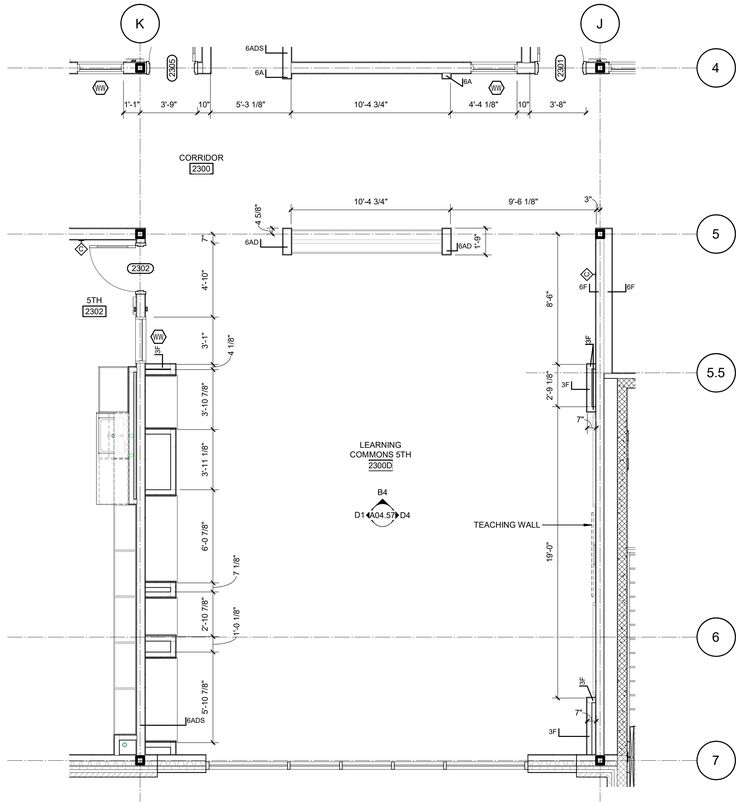
Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED PLAN - LEARNING COMMONS

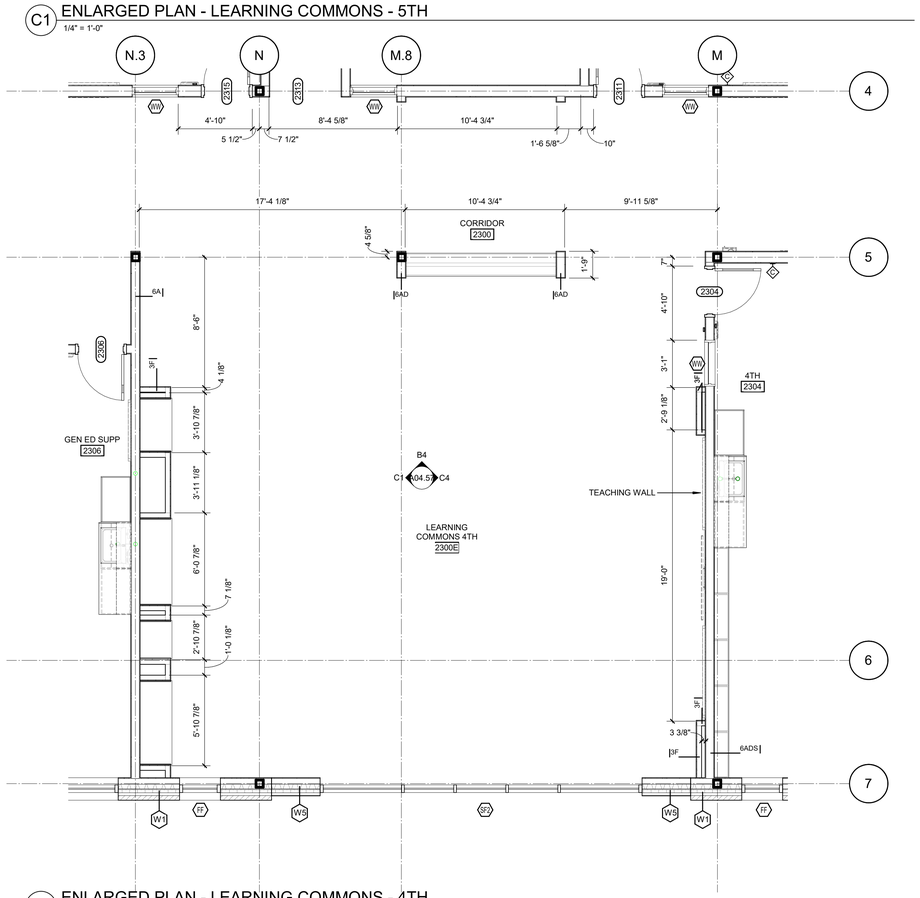
BID SET SUBMISSION: 2024.04.10

SHEET:
A04.30

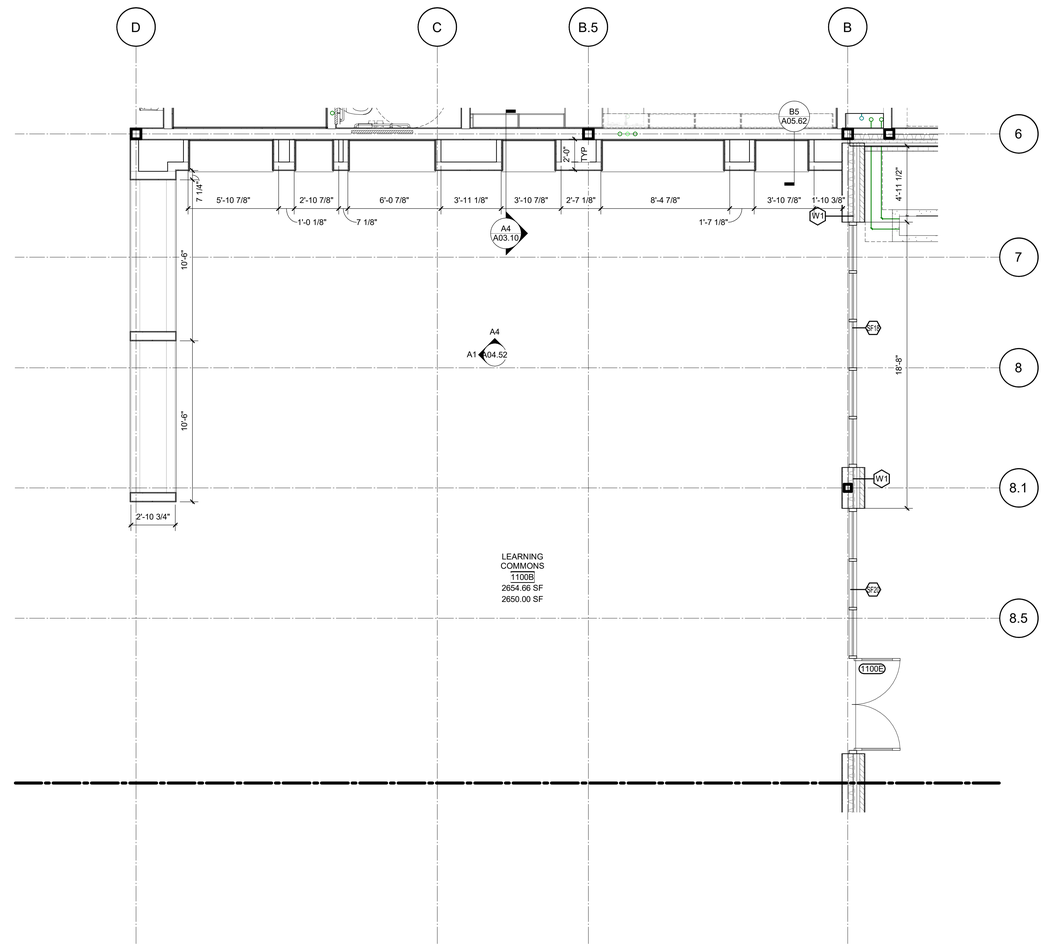
BID SET



C1 ENLARGED PLAN - LEARNING COMMONS - 5TH
1/4" = 1'-0"



A1 ENLARGED PLAN - LEARNING COMMONS - 4TH
1/4" = 1'-0"



A4 ENLARGED PLAN - BIG LEARNING COMMONS
1/4" = 1'-0"

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE. ADJUST SCALE ACCORDINGLY.

Wake County Public School System

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434 FAYETTEVILLE STREET SUITE 1700
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LS3P PROJECT: 8201-207411

Δ	DATE	DESCRIPTION

SHEET NAME:
ENLARGED PLAN - LEARNING COMMONS

BID SET SUBMISSION: 2024.04.10

SHEET:
A04.31

BID SET