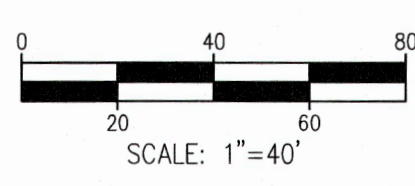


**OWNER INFORMATION:**  
THE WAKE COUNTY BOARD OF EDUCATION  
FACILITIES BUILDING  
ATTN: BETTY L. PARKER, REAL ESTATE SERVICES SR. DIRECTOR  
III CORNING ROAD, SUITE 100 CARY, NC 27518  
  
SITE ADDRESS: SWIFT CREEK ELEMENTARY SCHOOL  
5601 TRYON ROAD  
RALEIGH, NC 27606  
  
5701 TRYON ROAD  
RALEIGH, NC 27606  
  
6223 YATES MILL POND ROAD  
RALEIGH, NC 27606  
  
6229 YATES MILL POND ROAD  
RALEIGH, NC 27607


- LEGEND**
- GPS CONTROL POINT
  - MONUMENT FOUND
  - EXISTING PK NAIL
  - FINISHED FLOOR ELEVATION (FFE)
  - COMPUTED POINT (CP)
  - EXISTING IRON PIPE
  - IRIS
  - IRON REBAR
  - PK NAIL
  - IRRIGATION CONTROL VALVE
  - WATER VALVE
  - HYDRANT
  - FDC
  - WATER METER
  - IRRIGATION CONTROL VALVE
  - WELL / MONITORING STATION
  - WATER MANHOLE
  - SANITARY MANHOLE (SMH)
  - STORM MANHOLE (STMH)
  - STORM JUNCTION BOX (JB)
  - CLEANOUT
  - GREASE TRAP
  - GAS VALVE
  - GAS TEST STATION
  - GAS METER
  - TRANSFORMER
  - ELECTRIC MANHOLE
  - ELECTRIC HAND HOLE (EHH)
  - UNKNOWN UTILITY BOX
  - BOLLARD/GATEPOST
  - DROP INLET (DI)
  - CATCH BASIN (CB)
  - ROUND DROP INLET (DRI)
  - TELEPHONE PEDESTAL
  - LIGHT POLE/TRAFFIC LIGHT
  - ELECTRICAL PEDESTAL
  - UTILITY POLE
  - SIGN
  - GAS PUMP
  - GROUND LIGHT
  - FIBER OPTIC HAND HOLE (FOHH)
  - TRAFFIC SIGNAL BOX
  - CABLE TV HAND HOLE (CTVHH)
  - SPOT SHOT
  - BORE HOLE
  - BUSH
  - EXISTING TREE/TYPE/SIZE
  - CATCH BASIN AT BACK OF CURB
  - EXISTING CORRUGATED METAL PIPE
  - EXISTING REINFORCED CONCRETE PIPE
  - INVERT
  - HARD WOOD
  - RIP RAP AREA
  - GRAVEL AREA

**SURVEYORS CERTIFICATE:**  
I, HENRY P. FITTS, CERTIFY THAT THIS MAP WAS PREPARED UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION FROM DEED AND MAP SOURCES REFERENCED HEREON; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AND REFERENCED SOURCES NOTED; THAT THE RATIO OF PRECISION IS 1:10,000+;  
  
THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56-16.00).

THIS 17TH DAY OF APRIL, 2024.  
  
HENRY P. FITTS  
L-3326



MATCHLINE SHEET 2

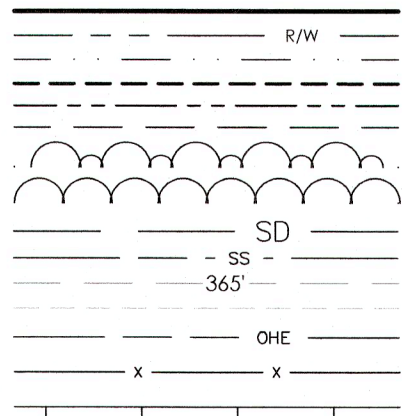
PROJECT MANAGER:		DATE:		TOPOGRAPHIC SURVEY FOR THE WAKE COUNTY BOARD OF EDUCATION (SWIFT CREEK ELEMENTARY) 5601 & 5701 TRYON ROAD  SWIFT CREEK TOWNSHIP      WAKE COUNTY, NORTH CAROLINA				 <div>1 GLENWOOD AVENUE, SUITE 600 RALEIGH, NC 27603 PHONE: 919.789.9977 FAX: 919.789.9591  COMPANY LICENSE: F-0453</div>		No.		REVISIONS		DATE		BY		SHEET  1 OF 2	
H. FITTS		10/05/2023								1		ADDED WETLANDS & ADDITIONAL FEATURES		10/5/23		HF			
CHECKED BY:		SCALE:								2		REVISED WETLANDS AND STREAM POINTS		10/12/23		HF			
H. FITTS		1" = 40'								3		ADDED BANKS ON STREAM 2		10/30/23		HF			
DRAWN BY:		JOB NUMBER:								4		UPDATED CONTOURS		11/07/23		HF			
S. JONES		SE21.174.01		5		EDITED STORM PIPING		11/21/23		HF		6		REVISE CONTOURS		04/16/24		HF	



MATCHLINE SHEET 1

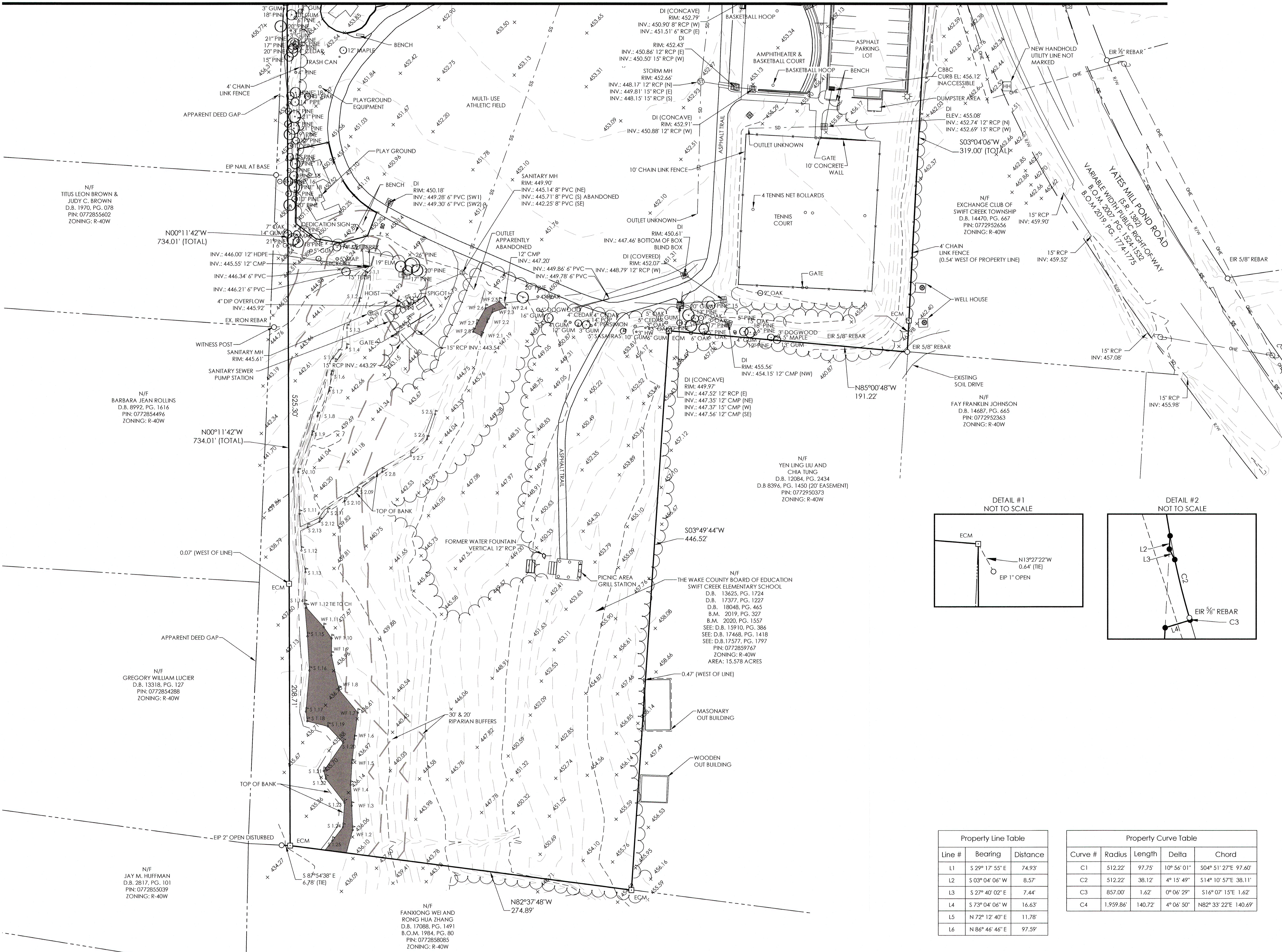
NOTES:

1. HORIZONTAL CONTROL BASED UPON NCGS MONUMENT 'SWIFT CREEK RESET'
2. COORDINATES SHOWN ARE NC GRID COORDINATES.
3. ALL BEARINGS ARE NC GRID BEARINGS UNLESS OTHERWISE NOTED.
4. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
5. AREAS ARE COMPUTED BY COORDINATE METHOD.
6. THIS MAP IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
7. SUBJECT AREA IS LOCATED WITHIN SPECIAL FLOOD HAZARD ZONE 'X' AS SCALED FROM FIRM MAP #3720077200J PANEL 0772, EFFECTIVE DATE: MAY 2, 2006.
8. PARCELS ARE ZONED AS NOTED.
9. EXISTING EASEMENTS TAKEN FROM B.O.M. 2007, PG. 1524-1532.
10. PROPERTY IS LOCATED IN THE NEW SUBURBAN AREA OF THE SWIFT CREEK LAND MANAGEMENT PLAN.

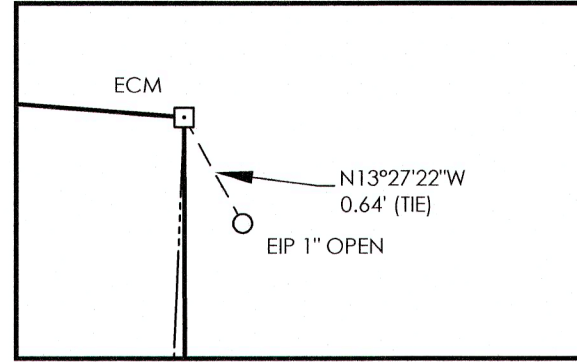


LEGEND

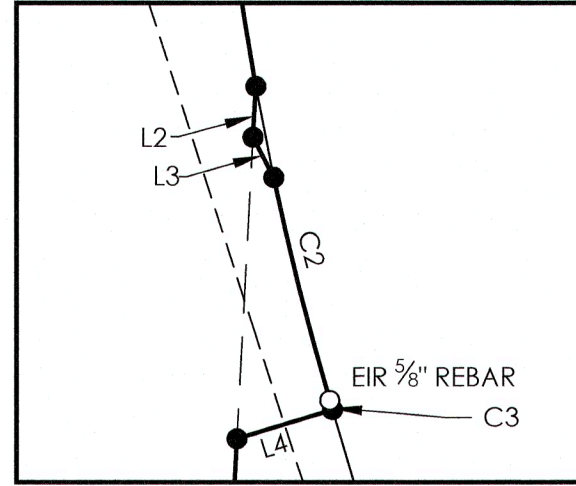
- GPS CONTROL POINT  
MONUMENT FOUND  
EXISTING PK NAIL  
FINISHED FLOOR ELEVATION (FFE)  
COMPUTED POINT (CP)  
EXISTING IRON PIPE  
IRON REBAR SET  
IRON REBAR  
PK NAIL  
IRRIGATION CONTROL VALVE  
WATER VALVE  
HYDRANT  
FDC  
WATER METER  
IRRIGATION CONTROL VALVE  
WELL / MONITORING STATION  
WATER MANHOLE  
SANITARY MANHOLE (SMH)  
STORM MANHOLE (STMH)  
STORM JUNCTION BOX (JB)  
CLEANOUT  
GREASE TRAP  
GAS VALVE  
GAS TEST STATION  
GAS METER  
TRANSFORMER  
ELECTRICAL MANHOLE  
ELECTRIC HAND HOLE (EHH)  
UNKNOWN UTILITY BOX  
BOLLARD/GATE/POST  
DROP INLET (DI)  
CATCH BASIN (CB)  
ROUND DROP INLET (DRI)  
TELEPHONE PEDESTAL  
LIGHT POLE/TRAFFIC LIGHT  
ELECTRICAL PEDESTAL  
UTILITY POLE  
SIGN  
GAS PUMP  
GROUND LIGHT  
FIBER OPTIC HAND HOLE (FOHH)  
TRAFFIC SIGNAL BOX  
CABLE TV HAND HOLE (CTVHH)  
SPOT SHOT  
BORE HOLE  
BUSH  
EXISTING TREE/TYPE/ SIZE  
CBBC (Catch Basin at Back of Curb)  
CMP (Existing Corrugated Metal Pipe)  
RCP (Existing Reinforced Concrete Pipe)  
INV. (Invert)  
HW (Hard Wood)  
RIP RAP AREA  
GRAVEL AREA



DETAIL #1  
NOT TO SCALE

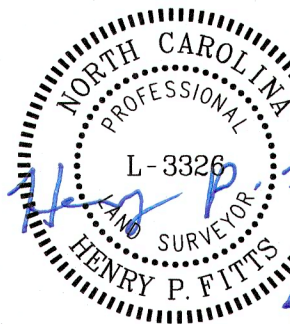
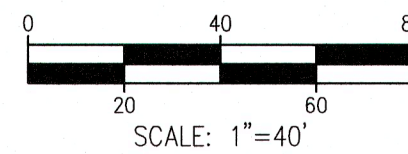


DETAIL #2  
NOT TO SCALE



Property Line Table			
Line #	Bearing	Distance	
L1	S 29° 17' 55" E	74.93'	
L2	S 03° 04' 06" W	8.57'	
L3	S 27° 40' 02" E	7.44'	
L4	S 73° 04' 06" W	16.63'	
L5	N 72° 12' 40" E	11.78'	
L6	N 86° 46' 46" E	97.59'	

Property Curve Table				
Curve #	Radius	Length	Delta	Chord
C1	512.22'	97.75'	10° 56' 01"	504° 51' 27" E 97.60'
C2	512.22'	38.12'	4° 15' 49"	S14° 10' 57" E 38.11'
C3	857.00'	1.62'	0° 06' 29"	S16° 07' 15" E 1.62'
C4	1,959.86'	140.72'	4° 06' 50"	N82° 33' 22" E 140.69'



4/17/24

PROJECT MANAGER:	DATE:
H. FITTS	10/05/2023
CHECKED BY:	SCALE:
H. FITTS	1" = 40'
DRAWN BY:	JOB NUMBER:
S. JONES	SE21,174.01

TOPOGRAPHIC SURVEY  
FOR  
THE WAKE COUNTY BOARD OF EDUCATION  
(SWIFT CREEK ELEMENTARY)  
5601 & 5701 TRYON ROAD

SWIFT CREEK TOWNSHIP WAKE COUNTY, NORTH CAROLINA

TRANSYSTEMS

1 GLENWOOD AVENUE, SUITE 600  
RALEIGH, NC 27603  
PHONE: 919.789.9977  
FAX: 919.789.9591  
COMPANY LICENSE: F-0453

No.	REVISIONS	DATE	BY
1	ADDED WETLANDS & ADDITIONAL FEATURES	10/5/23	HF
2	REVISED WETLANDS AND STREAM POINTS	10/12/23	HF
3	ADDED BANKS ON STREAM 2	10/30/23	HF
4	UPDATED CONTOURS	11/07/23	HF
5	EDITED STORM PIPING	11/21/23	HF
6	REVISE CONTOURS	04/16/24	HF

SHEET

2  
OF  
2



M:\Projects\1301110466\_Swift\_Creek\_Elementary\04\_Production\Engineering\Construction Drawings\Current Drawings\1301110466\_51.dwg, 4/30/2024, 4:39:10 PM, J. Nathan Bailey

THE LINE SHOWN ABOVE IS EXACTLY  
ONLY FOR THE PURPOSES OF  
INDICATING THE LOCATION OF  
THE PROPERTY LINE

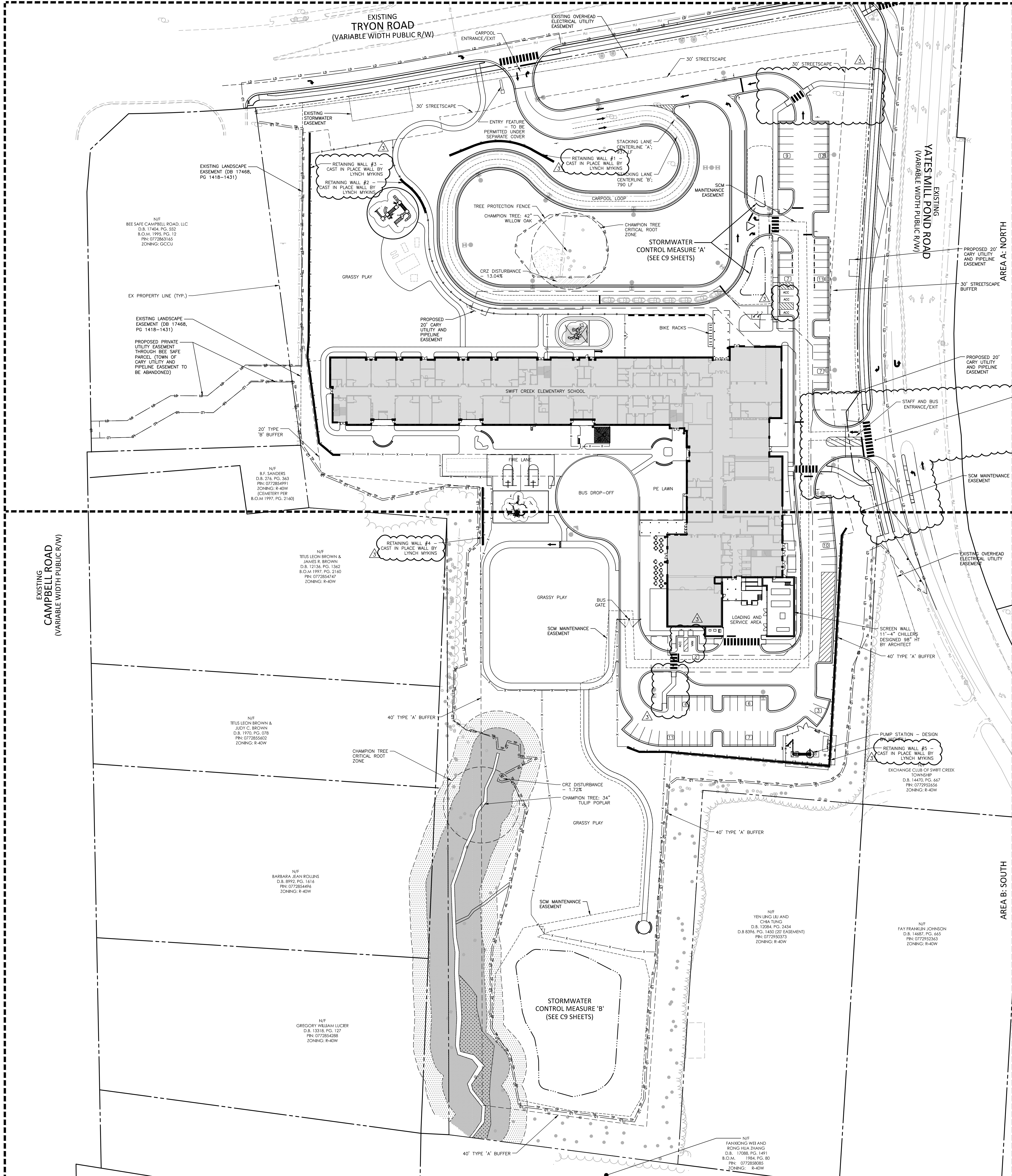
E

D

C

B

A

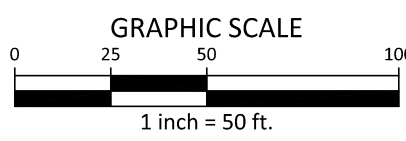


#### SITE LEGEND

- ! SIGNAGE
- YARD LIGHTS
- ★ LIGHT POLE
- POWER POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC ACCESSIBLE PARKING STALL
- VAN ACCESSIBLE PARKING STALL
- PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE
- ORNAMENTAL FENCE
- CHAIN LINK FENCE
- LIMITS OF DISTURBANCE
- TREE PROTECTION FENCE

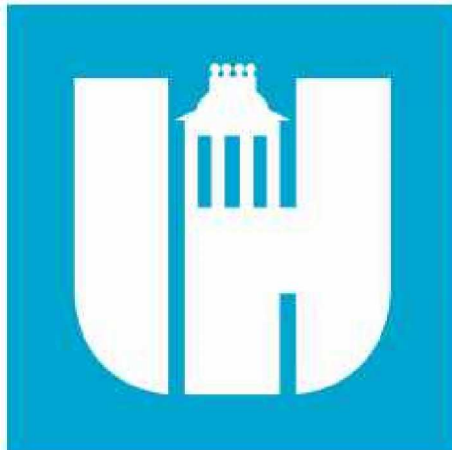
#### GENERAL SITE PLAN NOTES:

- THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND NOTIFY HIM/HER AS ADDITIONAL INFORMATION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
- THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER. UNLESS SPECIFIED OTHERWISE, ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSSED AT THE CONTRACTOR'S EXPENSE.
- SEE GRADING AND UTILITY SHEETS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
- CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE PAVEMENT OR CONCRETE UNITS.
- CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND OBTAIN APPROVAL FROM OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
- ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
- CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS OR VERTICAL STRUCTURES.
- TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
- SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATION (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE, AND FEDERAL AGENCIES AND REGULATIONS.
- CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
- DIGITAL BASE FILE SHALL BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARD COPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECTS ATTENTION.
- CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS (I.E. IRRIGATION, ELECTRICAL, NATURAL GAS ETC.) PRIOR TO CONCRETE INSTALLATION.
- GRATES FOR YARD INLETS SHOULD MEET OR EXCEED A PEDESTRIAN RATING AS INDICATED BY DETAILS.
- FIRE LANES SHALL BE MARKED PER TOWN OF CARY STANDARD 300-C.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF CARY AND/OR NC DOT STANDARDS AND SPECIFICATIONS.
- ALL DIMENSIONS SHOWN ON SITE PLAN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29CFR PART 1926, SUBPART PP APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO THE SUBSTITUTION OF ALTERNATE EQUIPMENT.
- CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
- EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
- THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY OFFSET, TRANSITION, FITTING, ETC. THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.



DEVELOPMENT PLAN CASE #23-DP-8842

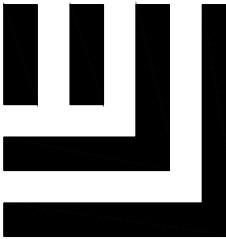
FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



Wake County  
Public School  
System



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



McADAMS



COPYRIGHT 2024. ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

Swift Creek Elementary  
School

LS3P PROJECT: 9201-207411

DATE	DESCRIPTION
03/05/2024	ADDENDUM 03

SHEET NAME:

OVERALL SITE PLAN

BID SET SUBMISSION: 2024.04.10

SHEET:  
**C2.00**  
BID SET



# Swift Creek Elementary School

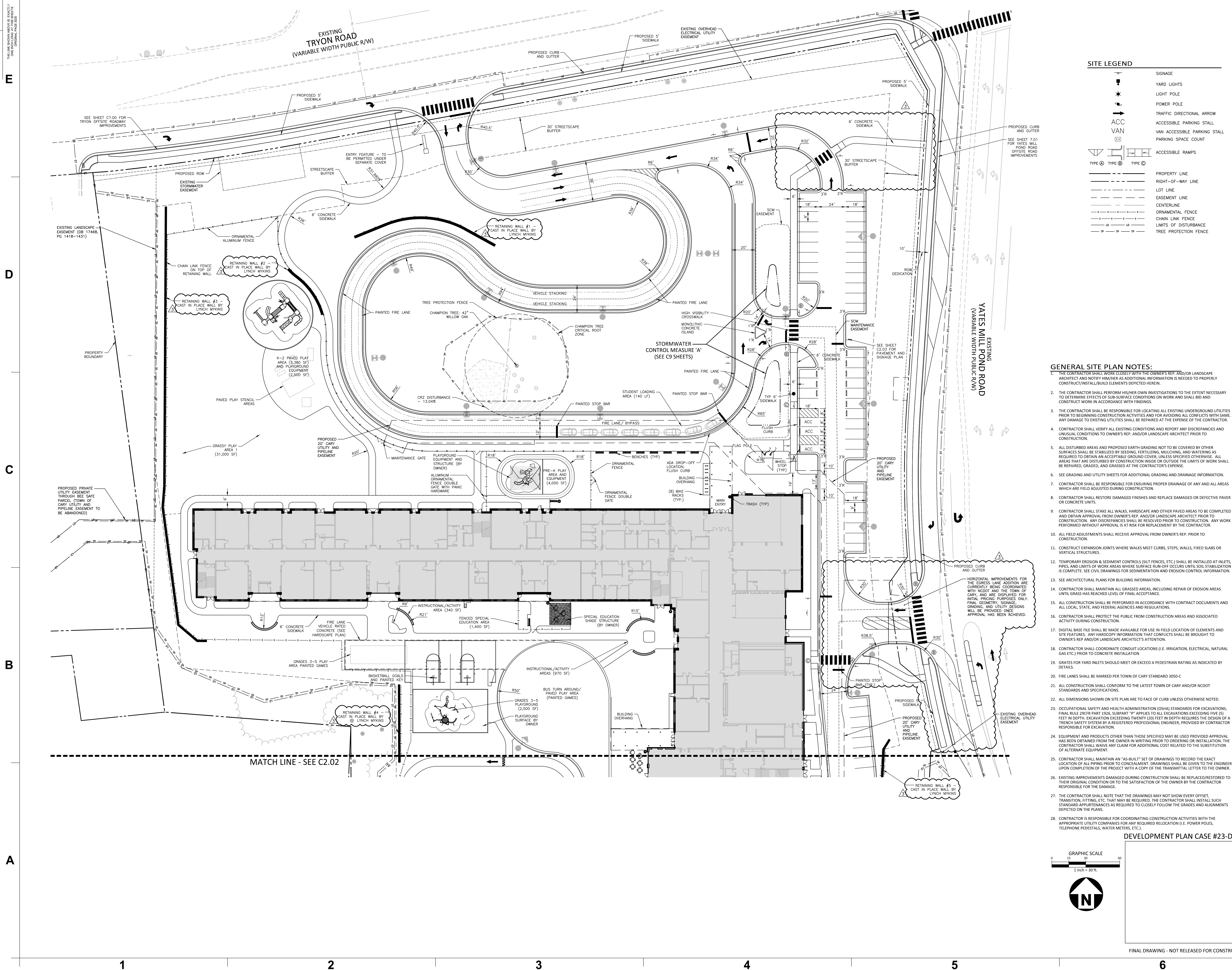
LE33F PROJECT. 0201-207411

[illegible]

MEET: **C2.01**

---

BID SET

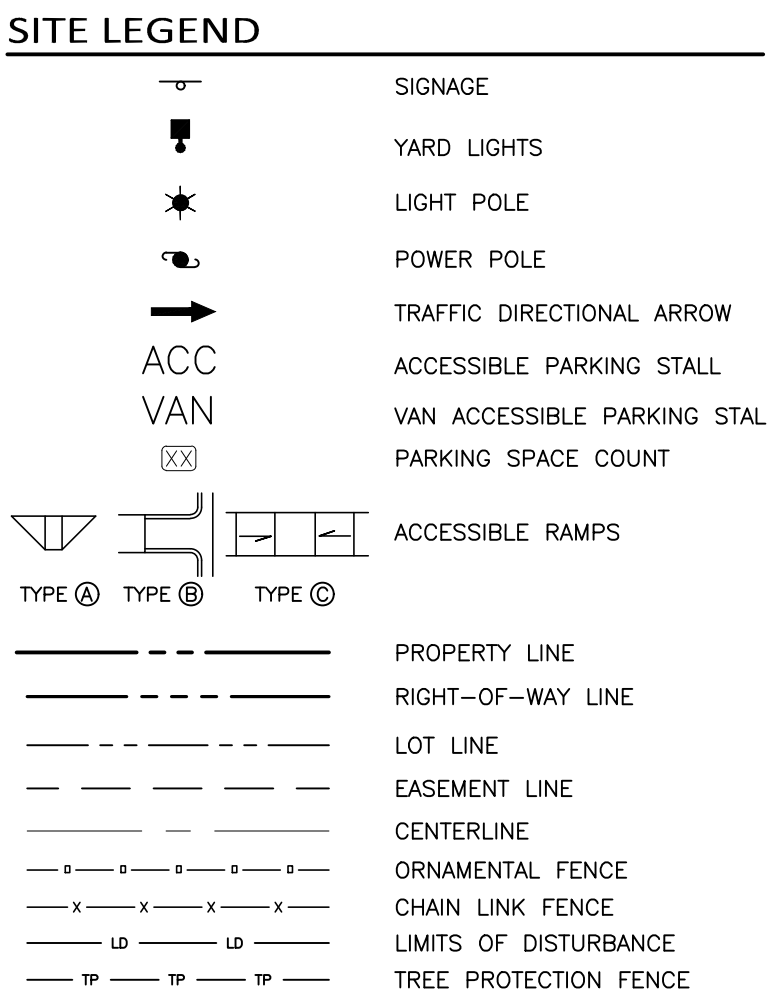




## ITE PLAN SOUTH

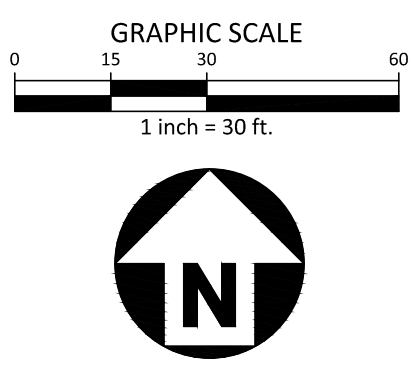
**SHEET:**

## QID SET



GENERAL SITE PLAN NOTES:

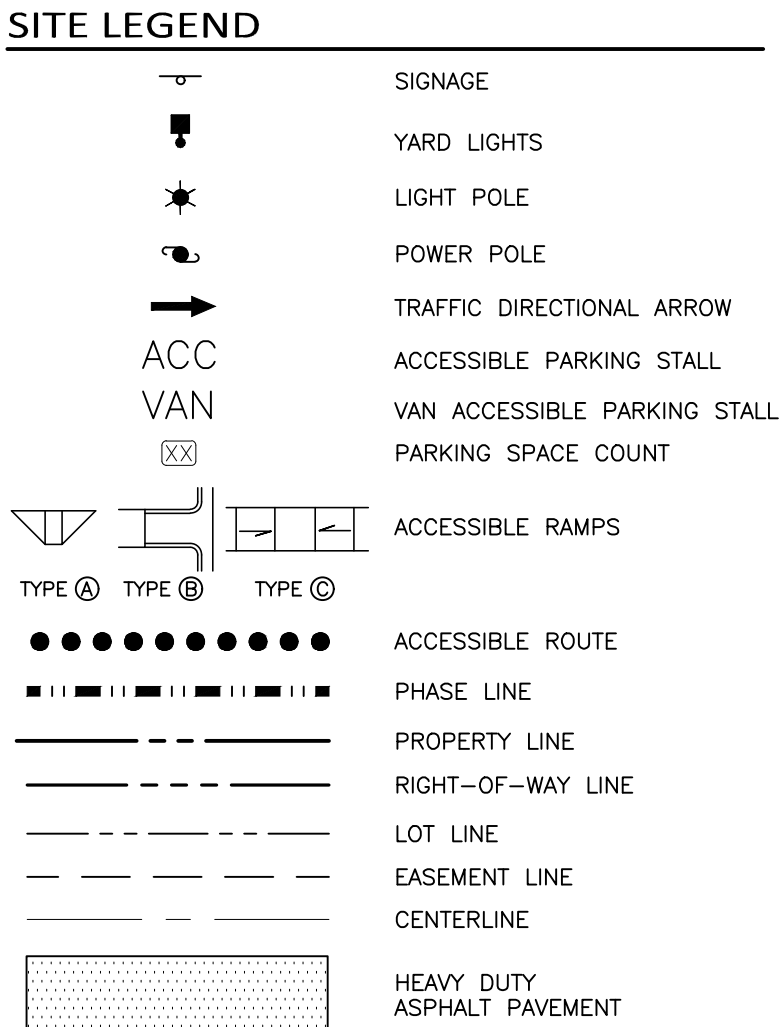
1. THE CONTRACTOR SHALL WORK CLOSELY WITH THE OWNER'S REP. AND/OR LANDSCAPE ARCHITECT AND THE CITY ENGINEER TO DETERMINE THE NECESSITY OF ANY CONSTRUCTION IS NEEDED TO PROPERLY CONSTRUCT/INSTALL/BUILD ELEMENTS DEPICTED HEREIN.
2. THE CONTRACTOR SHALL PERFORM HIS/HER OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE EFFECTS OF SUB-SURFACE CONDITIONS ON WORK AND SHALL BID AND CONSTRUCT WORK IN ACCORDANCE WITH FINDINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY ACTIVITIES AND/OR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES AND UNUSUAL CONDITIONS TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE STABILIZED BY SEEDING, FERTILIZING, MULCHING, AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GRADING FUNCTION, UNLESS SPECIFIED OTHERWISE. ALL AREAS THAT ARE NOT DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMITS OF WORK SHALL BE REPAIRED, GRADED, AND GRASSED AT THE CONTRACTOR'S EXPENSE.
6. SEE GRADING AND UTILITY SHEETS FOR ADDITIONAL GRADING AND DRAINAGE INFORMATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPAIR DAMAGED OR DETRACTIVE PAVEMENT OR CONCRETE SURFACES.
9. CONTRACTOR SHALL STAKE ALL WALKS, HARDSCAPE AND OTHER PAVED AREAS TO BE COMPLETED AND SHALL BE RESPONSIBLE FOR THE INSTALLATION AND/OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION. ANY WORK PERFORMED WITHOUT APPROVAL IS AT RISK FOR REPLACEMENT BY THE CONTRACTOR.
10. ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM OWNER'S REP. PRIOR TO CONSTRUCTION.
11. CONTRACTOR EXPANSION JOINTS WHERE WALKS MEET CURBS, STEPS, WALLS, FIXED SLABS OR VERTICAL STRUCTURES.
12. TEMPORARY EROSION & SEDIMENT CONTROLS (SILT FENCES, ETC.) SHALL BE INSTALLED AT INLETS, PIPES, AND LIMITS OF WORK AREAS WHERE SURFACE RUN-OFF OCCURS UNTIL SOIL STABILIZATION IS COMPLETE. SEE CIVIL DRAWINGS FOR SEDIMENTATION AND EROSION CONTROL INFORMATION.
13. SEE ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
14. CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING REPAIR OF EROSION AREAS UNTIL GRASS HAS REACHED LEVEL OF FINAL ACCEPTANCE.
15. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.
16. CONTRACTOR SHALL PROTECT THE PUBLIC FROM CONSTRUCTION AREAS AND ASSOCIATED ACTIVITY DURING CONSTRUCTION.
17. DIGITAL BASE FILE SHALL BE MADE AVAILABLE FOR USE IN FIELD LOCATION OF ELEMENTS AND SITE FEATURES. ANY HARD COPY INFORMATION THAT CONFLICTS SHALL BE BROUGHT TO OWNER'S REP. AND/OR LANDSCAPE ARCHITECT'S ATTENTION.
18. CONTRACTOR SHALL COORDINATE CONFLICT LOCATIONS (I.E. IRVINGTON, ELECTRICAL, NATURAL GAS, ETC.) PRIOR TO CONCRETE INSTALLATION.
19. GRATES FOR YARD INLETS SHOULD MEET OR EXCEED A PEDESTRIAN RATING AS INDICATED BY DETAILS.
20. FIRE LANCES SHALL BE MARKED PER TOWN OF CARY STANDARD 3505-C.
21. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF CARY AND/OR NC DOT STANDARDS AND SPECIFICATIONS.
22. ALL DIMENSIONS SHOWN ON SITE PLAN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
23. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A COMPLEX EXCAVATION SYSTEM BY A LICENSED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
24. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO THE SUBSTITUTION OF ALTERNATE EQUIPMENT.
25. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCREMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT AND BE TRANSMITTED IN LETTER TO THE OWNER.
26. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
27. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY DETAIL. EROSION, FITTING, ETC. MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.
28. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE CITY ENGINEER. THE CITY ENGINEER MAY REQUIRE THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.



DEVELOPMENT PLAN CASE #23-DP-8842

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION





## DETAIL\_REPORT

NUMBER	TITLE
01/CR/10	TYPICAL CONCRETE SIDEWALK
02/CR/10	CHAIN LINK FENCE
03/CR/10	CHAIN LINK FENCE
04/CR/10	* ORNAMENTAL FENCE
05/CR/10	* ORNAMENTAL FENCE SINGLE GATE
06/CR/10	* ORNAMENTAL DOUBLE SWING GATE
07/CR/10	CONCRETE PAV. SURFACE CURB
08/CR/10	ASPHALT PAV.
09/CR/11	ANOVA RENDEZVOUS TRUSS RECEPTACLE
10/CR/11	30FT ALUMINUM FLAGPOLE
11/CR/11	30FT ALUMINUM FLAGPOLE COATED BLACK RICK
12/CR/11	ANOVA AIRSITX 6' FLECT BENCH
05/CR/11	PAINTED UOA ON ASPHALT
06/CR/11	PAINTED PATH GATE ON ASPHALT
07/CR/11	ASPHALT BUS GATE
08/CR/11	ANOVA F2015 PNCB TABLE
09/CR/11	ARTIFICIAL TURF - UNDERDRAIN
10/CR/11	IN-GROUND BASKETBALL GOAL
11/CR/11	ARTIFICIAL TURF
12/CR/11	CAST-IN-PLACE SEAT WALL

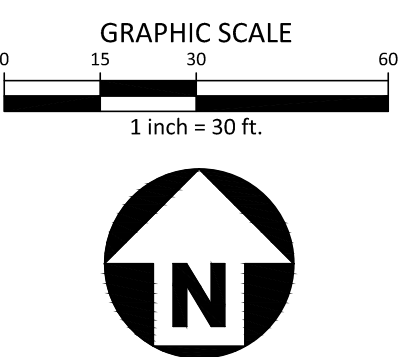
FURNISHING\_SCHEDULE\_NORTH

SYMBOL	FURNISHINGS DESCRIPTION	QTY	DETAIL
F-101	Shade Structure (By Owner)	1	
F-102	Flag Pole	2	02/C8.11
F-104	Playground Structure (By Owner)		
F-105	Anova AE260SSTX Airi Stix 6ft. flat bench	11	04/C8.11
F-107	Anova L1380CT 55 gallon trash receptacle with convex top Powder Coat: Black	4	03/C8.11
F-109	Anova CIRCLEBR Circle Powder Coated Bike Rack, Surface Mount. 32in. H x 6in. W x 36in. L	8	03/C8.11
F-109	Anova CIRCLEBR Circle Powder Coated Bike Rack, Surface Mount. 32in. H x 6in. W x 36in. L	7	03/C8.11
F-110	ANNOVA #F2016: Outdoor Table with Chairs, ADA Accessible	3	06/C8.11

## PAVING\_SCHEDULE

CODE	DESCRIPTION	QTY	DETAIL
P-101	Pedestrian Rated Concrete Sidewalk	36,161 sf	01/C8.10
P-102	Heavy Duty Concrete	6,972 sf	SEE SHEET C8.02
P-103	Asphalt Heavy Duty Traffic	129,233 sf	SEE SHEET C8.02
P-104	Pedestrian Rated Asphalt	6,753 sf	08/C8.10
P-106	Play Surface (By Owner)	6,003 sf	N/A
P-108	Artificial Turf	587 sf	11/C8.11
P-109	Asphalt Light Duty Traffic	13,850 sf	SEE SHEET C8.02

DEVELOPMENT PLAN CASE #23-DP-8842

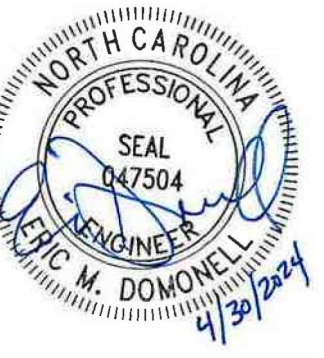


FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION





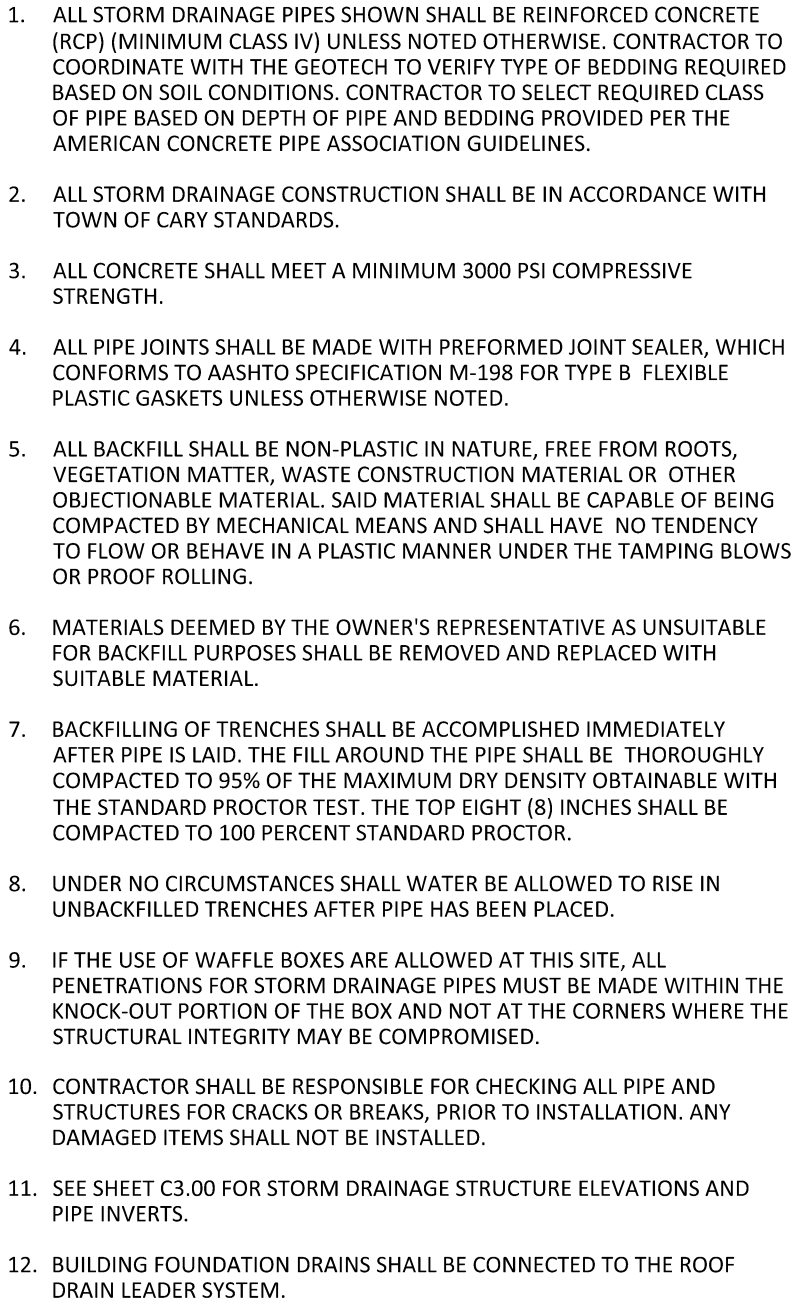





MEET: **C3.00**

---

BID SET



1. TO MINIMIZE DAMAGE TO EXISTING CHAMPION TREES LOCATED NEAR THE INTERIOR EDGE OF TREE PROTECTION AREAS, THE CONTRACTOR SHALL CUT TREES WITHIN THE PROTECTED AREAS TO THE MINIMUM LIMITS OF DISTURBANCE. IN ORDER TO CUT, RATHER THAN TEAR, EXISTING ROOTS,
2. INSTALLATION OF HOPE PIPE SHALL ADHERE TO THE SPECIFICATIONS OF ASTM A321. ALL STORM DRAIN FRAMES GRATES & HOODS SHALL BE STAMPED WITH "DRAIN TO TOWN" IN ACCORDANCE WITH TOWN OF CARY STANDARDS.
3. IF ANY OF THE TALLEST TREES ARE LOCATED ON THE SITE, INSTEAD OF SANITARY SEWER AND A COVERED DUMPSITE SITE WILL BE REQUIRED.
4. PIPE SHALL MEET THE SPECIFICATIONS OF ASTM F949-93a AND SHALL HAVE A MINIMUM OF 12" COVER.
5. THE EROSION CONTROL, REVIEW AND INSPECTION WILL BE ADDRESSED BY NORTH CAROLINA DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES (NC DEMR) NOT THE TOWN OF CARY.
6. EROSION CURTAIN MAY BE REQUIRED TO BE INSTALLED BY THE DEVELOPER IF WARRANTED BY DOWNSTREAM IMPACTS



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT  
LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION  
OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.  
CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE  
THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811".  
REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

M:\Projects\ISP\2021110466 Swift Creek Elementary\04-Production\Engineering\Current Drawings\Current Drawings\2021110466 - G1.dwg, 4/30/2024 4:41:28 PM, Z. Nathan Bates



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



THE LINE SHOWN ABOVE IS EXACTLY  
ONE FOOT ON THE DRAWING FOR  
FOOT ON THE GROUND

E

D

C

B

A

B.O.M. 1997, PG. 2160

N/F  
TITUS LEON BROWN &  
JAMES R. BROWN  
D.B. 17136, PG. 1362  
B.O.M. 1997, PG. 2160  
PIN: 077285477  
ZONING: R-40W

PERMANENT SWALE #4  
(SEE TABLE THIS SHEET)

LIMITS OF DISTURBANCE  
(TYP.)  
TREE PROTECTION FENCE  
(TYP.)

RIPRAP PAD  
(SEE TABLE THIS SHEET)

CHAMPION TREE  
CRITICAL ROOT ZONE  
CHAMPION TREE  
(34" TULIP POPLAR)

N/F  
BARBARA JEAN ROLLINS  
D.B. 8992, PG. 1616  
PIN: 0772854494  
ZONING: R-40W

ZONE 2 NEUSE  
RIVER BUFFER  
ZONE 1 NEUSE  
RIVER BUFFER  
TOP OF BANK

N/F  
GREGORY WILLIAM LUCIER  
D.B. 13318, PG. 127  
PIN: 0772854288  
ZONING: R-40W

RIPRAP PAD  
(SEE DETAIL ON  
SHEET C9.05)

PERMANENT OUTLET  
STRUCTURE (SEE  
DETAILS ON SHEET  
C9.05)

MATCH LINE - SEE C2.01

STORMWATER  
CONTROL MEASURE 'B'  
(SEE C9 SHEETS)

N/F THE WAKE COUNTY BOARD OF  
EDUCATION SWIFT CREEK ELEMENTARY  
SCHOOL D.B. 13625, PG. 1724 D.B.  
17377, PG. 1227 D.B. 18048, PG. 465 B.M.  
2019, PG. 327 B.M. 2020, PG. 1557 SEE:  
D.B. 15910, PG. 366 SEE: D.B. 17448, PG.  
1418 SEE: D.B. 17577, PG. 1797 PIN:  
0772859767 ZONING: R-40W AREA: 15.578  
ACRES

N/F  
YEN LING LIU AND  
CHIA TUNG  
D.B. 12084, PG. 2434  
D.B. 8396, PG. 1450 (20' EASEMENT)  
PIN: 0772950373  
ZONING: R-40W

N/F  
FAY FRANKLIN JOHNSON  
D.B. 14687, PG. 665  
PIN: 0772925263  
ZONING: R-40W

#### GRADING LEGEND

- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- TOP & BOTTOM CURB ELEVATIONS  
(MEG = MATCH EXISTING GRADE)
- TOP OF WALL ELEVATION  
BOTTOM OF WALL ELEVATION  
(NOTE: BOTTOM OF WALL IS GROUND  
ELEVATION NOT WALL FOUNDATION)
- SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE, 8" HDPE  
NON-PERFORATED TUBING OR  
EQUAL, 0.5% MIN. SLOPE, 3' MIN.  
COVER, PVC SCHEDULE 40 IN  
TRAFFIC AREAS
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA  
(2% MAX. SLOPE IN ALL DIRECTIONS)

#### GRADING NOTES

- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD  
VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR  
SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO  
PROCEEDING WITH CONSTRUCTION. FOR NECESSARY PLAN OR GRADE  
CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE  
CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES  
SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT  
BEEN GIVEN.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)  
STANDARDS FOR EXCAVATIONS: FINAL RULE 29CFR PART 1926, SUBPART  
"H" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.  
EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE  
DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL  
ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST  
3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR  
EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL  
CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR  
SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE  
ENGINEER IMMEDIATELY.
- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD PRIOR TO ANY LAND  
DISTURBING ACTIVITY. AS DEEMED NECESSARY, THE OWNER, ENGINEER,  
CONTRACTOR, AND REPRESENTATIVES FROM NCEG WILL BE INVITED TO  
ATTEND THE MEETING. FOR NCEG REPRESENTATIVES, CONTACT DIVISION OF  
LAND QUALITY AT (910) 796-7215 PRIOR TO START OF CONSTRUCTION.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION  
CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL  
CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE  
EROSION CONTROL INSPECTOR.
- EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND  
AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST  
AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD  
CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY  
DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES LESS THAN  
4:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS  
RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

#### STORM DRAINAGE NOTES:

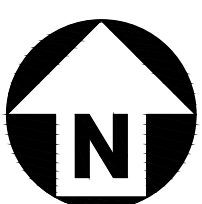
- ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE  
(RCP) (MINIMUM CLASS VI) UNLESS NOTED OTHERWISE. CONTRACTOR TO  
COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED  
BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS  
OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE  
AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH  
TOWN OF CARY STANDARDS.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE  
STRENGTH.
- ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH  
CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE  
PLASTIC GASKETS UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS,  
VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER  
OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING  
COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY  
TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS  
OR PROOF ROLLING.
- MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE  
FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH  
SUITABLE MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY  
AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY  
COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH  
THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE  
COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN  
UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL  
PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE  
KNICK OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE  
STRUCTURAL INTEGRITY MAY BE COMPROMISED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL PIPE AND  
STRUCTURES FOR CRACKS OR BREAKS, PRIOR TO INSTALLATION. ANY  
DAMAGED ITEMS SHALL NOT BE INSTALLED.
- SEE SHEET C3.00 FOR STORM DRAINAGE STRUCTURE ELEVATIONS AND  
PIPE INVERTS.
- BUILDING FOUNDATION DRAINS SHALL BE CONNECTED TO THE ROOF  
DRAIN LEADER SYSTEM.

DEVELOPMENT PLAN CASE #23-DP-8842

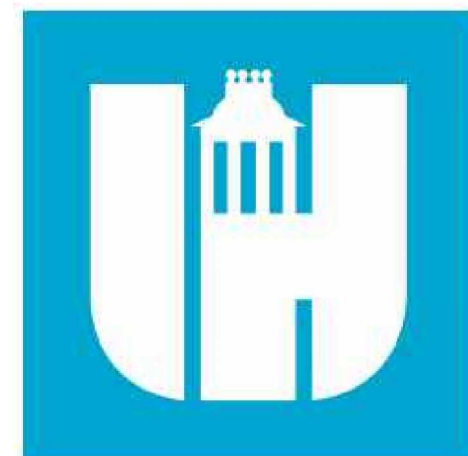
RIPRAP VELOCITY DISSIPATOR PAD SUMMARY TABLE					
STRUCTURE	MATERIAL	DIMETER (IN)	THICKNESS (IN)	LENGTH (FT)	WIDTH (FT)
HW-100	CLASS B	6"	18"	15'	8.5'
FES-200	CLASS B	6"	18"	9'	5.1'
FES-300	CLASS B	6"	18"	18'	10.2'
HW-303A	CLASS A	3"	12"	6'	3.9'
HW-304A	CLASS A	3"	12"	6'	3.9'
FES-400	CLASS A	3"	12"	12'	3.3'
FES-500	CLASS A	3"	12"	5'	3.3'

PERMANENT SWALE SUMMARY TABLE					
CHANNEL #	BOTTOM WIDTH (FT)	SIDE SLOPE	DEPTH (FT)	LONGITUDINAL SLOPE (FT/FT)	LINER
PERM. SWALE #1	0.0'	3:1	12"	0.0833	N/A
PERM. SWALE #2	1.0'	3:1	12"	0.0400	N/A
PERM. SWALE #3	0.0'	3:1	12"	0.0100	N/A
PERM. SWALE #4	0.0'	3:1	12"	0.0162	N/A

GRAPHIC SCALE  
1 inch = 30 ft.



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



Wake County  
Public School  
System

LS3P

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

McADAMS



COPYRIGHT 2024 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

Swift Creek Elementary  
School

LS3P PROJECT: 9201-207411

DATE	DESCRIPTION
03/05/2024	ADDENDUM 03

SHEET NAME:

GRADING PLAN  
SOUTH

BID SET SUBMISSION: 2024.04.10

SHEET:  
C3.02  
BID SET



Know what's below.  
Call before you dig.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT  
LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION  
OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.  
CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE  
THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811".  
REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

N/F  
FANXIONG WEI AND  
RONG HUA ZHANG  
D.B. 17088, PG. 1491  
B.O.M. 1984, PG. 80  
PIN: 077288085





**Know what's below.  
Call before you dig.**

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT  
AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION  
OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.  
CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE  
THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811".  
REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

CB-104A T/C=458.00 INV IN=450.50 (CB-104B) INV IN=448.43 (CB-105) INV OUT=446.30	CB-104B T/C=457.85 INV OUT=450.75	CB-105 T/C=459.30 INV IN=447.62 (CB-106) INV OUT=447.50	CB-106 T/C=460.75 INV IN=448.48 (JB-107) INV OUT=448.35	CB-108 T/C=462.10 INV IN=449.80 (CB-108A) INV OUT=449.70	CB-108A T/C=462.50 INV IN=450.33 (CB-109) INV IN=453.00 (YI-108B) INV OUT=450.25	CB-109 T/C=462.40 INV IN=451.45 (JB-110) INV OUT=451.30	CB-111 T/C=463.90 INV IN=452.00 (CB-112) INV OUT=453.80	CB-112 T/C=463.30 INV IN=457.35 (CB-113) INV OUT=457.25	CB-113 T/C=463.45 INV IN=457.70 (CB-114) INV OUT=457.60	CB-114 T/C=464.25 INV IN=458.90 (CB-115A) INV IN=458.80 (JB-701) INV OUT=458.15	CB-115A T/C=463.40 INV IN=459.30 (CB-115B) INV OUT=459.20	CB-115B T/C=463.40 INV OUT=459.40	CB-201 T/C=459.40 INV IN=456.00 (CB-202) INV OUT=455.90	CB-202 T/C=458.71 INV IN=456.65 (JB-203) INV OUT=456.55	CB-204 T/C=462.35 INV IN=457.85 (CB-204A) INV OUT=457.75	CB-204A T/C=462.40 INV OUT=457.90	CB-307 T/C=463.05 INV IN=457.40 (CB-313) INV IN=456.30 (YI-307A) INV OUT=457.30	CB-308 T/C=467.05 INV IN=462.00 (CB-309) INV OUT=461.90	CB-309 T/C=467.10 INV IN=463.65 (CB-310) INV IN=463.50 (YI-324) INV OUT=462.90	CB-310 T/C=467.30 INV IN=464.50 (CB-311) INV OUT=464.40	CB-311 T/C=469.45 INV IN=465.40 (YI-312) INV OUT=465.30	CB-313 T/C=462.65 INV IN=457.90 (CB-314) INV OUT=457.90	CB-314 T/C=463.30 INV IN=459.15 (YI-314A) INV IN=458.75 (YI-322) INV OUT=458.65	CB-315 T/C=472.30 INV IN=463.40 (CB-316) INV OUT=463.30
--	---	--	--	---	--	--	--	--	--	---	--	---	--	--	---	---	---	--	--	--	--	--	---	--

CB-316 T/C=473.75 INV IN=464.15 (CB-319) INV IN=469.00 (CB-317) INV OUT=463.90
CB-317 T/C=477.00 INV IN=471.90 (CB-318) INV OUT=471.80
CB-318 T/C=478.00 INV OUT=473.65
CB-319 T/C=473.10 INV IN=464.40 (CB-320) INV OUT=464.35
CB-320 T/C=470.60 INV IN=465.25 (YI-321) INV OUT=465.15
CB-401 T/C=464.40 INV IN=462.15 (CB-402) INV OUT=462.05
CB-402 T/C=466.75 INV OUT=463.00
CB-501 T/C=467.75 INV IN=464.20 (CB-502) INV OUT=464.10
CB-502 T/C=467.45 INV OUT=464.50
JB-101 RIM=449.10 INV IN=440.75 (YI-102) INV OUT=440.65
JB-107 RIM=461.55 INV IN=449.39 (CB-108) INV OUT=449.15
JB-110 RIM=464.70 INV IN=452.35 (CB-111) INV OUT=452.20
JB-203 RIM=459.26 INV IN=457.30 (CB-204) INV OUT=457.05
JB-300B RIM=460.35 INV IN=453.00 (JB-301) INV OUT=452.90
JB-301 RIM=461.90 INV IN=453.45 (YI-302) INV OUT=453.35
JB-701 RIM=473.00 INV OUT=465.00
YI-102 T/G=451.30 INV IN=442.65 (YI-103) INV IN=446.40 (YI-147) INV OUT=442.40
YI-103 T/G=451.25 INV IN=444.72 (CB-104A) INV OUT=444.40
YI-108B T/G=457.75 INV OUT=454.00
YI-147 T/G=449.95 INV IN=447.35 (EXYI-148) INV IN=447.56 (EXYI-149) INV OUT=447.10
YI-300A T/G=456.25 INV IN=450.95 (JB-300B) INV OUT=450.85
YI-302 T/G=460.00 INV IN=453.95 (YI-303) INV OUT=453.85
YI-303 T/G=461.50 INV IN=454.80 (YI-304) INV OUT=454.70
YI-303B T/G=467.70 INV OUT=463.15
YI-304 T/G=462.60 INV IN=455.45 (YI-305) INV OUT=455.35

YI-304B T/G=469.20 INV OUT=463.75
YI-305 T/G=463.75 INV IN=455.70 (YI-306) INV OUT=455.60
YI-306 T/G=463.70 INV IN=457.00 (CB-307) INV OUT=456.90
YI-307A T/G=462.75 INV IN=458.00 (CB-308) INV OUT=458.40
YI-312 T/G=468.75 INV OUT=465.65
YI-314A T/G=463.00 INV IN=459.70 (CB-315) INV OUT=459.20
YI-321 T/G=468.65 INV OUT=465.35
YI-322 RIM=463.00 INV OUT=459.16
YI-324 T/G=470.46 INV IN=465.35 (YI-326) INV IN=465.35 (YI-324A) INV OUT=465.25
YI-324A T/G=470.91 INV OUT=468.40
YI-326 T/G=475.65 INV IN=469.92 (CB-700) INV OUT=469.04

FES-200	INV=450.65
FES-300	INV=450.65
FES-400	INV=462.00
HW-100	INV=439.00
HW-303A	INV=463.05
HW-304A	INV=463.65

### GRADING NOTES


- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD MEASURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CORRECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
2. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 290CR PART 1926, SUBPART C, 1926.65, 1926.66, 1926.67, 1926.68, 1926.69, 1926.70, 1926.71, 1926.72, 1926.73, 1926.74, 1926.75, 1926.76, 1926.77, 1926.78, 1926.79, 1926.80, 1926.81, 1926.82, 1926.83, 1926.84, 1926.85, 1926.86, 1926.87, 1926.88, 1926.89, 1926.90, 1926.91, 1926.92, 1926.93, 1926.94, 1926.95, 1926.96, 1926.97, 1926.98, 1926.99, 1926.100, 1926.101, 1926.102, 1926.103, 1926.104, 1926.105, 1926.106, 1926.107, 1926.108, 1926.109, 1926.110, 1926.111, 1926.112, 1926.113, 1926.114, 1926.115, 1926.116, 1926.117, 1926.118, 1926.119, 1926.120, 1926.121, 1926.122, 1926.123, 1926.124, 1926.125, 1926.126, 1926.127, 1926.128, 1926.129, 1926.130, 1926.131, 1926.132, 1926.133, 1926.134, 1926.135, 1926.136, 1926.137, 1926.138, 1926.139, 1926.140, 1926.141, 1926.142, 1926.143, 1926.144, 1926.145, 1926.146, 1926.147, 1926.148, 1926.149, 1926.150, 1926.151, 1926.152, 1926.153, 1926.154, 1926.155, 1926.156, 1926.157, 1926.158, 1926.159, 1926.160, 1926.161, 1926.162, 1926.163, 1926.164, 1926.165, 1926.166, 1926.167, 1926.168, 1926.169, 1926.170, 1926.171, 1926.172, 1926.173, 1926.174, 1926.175, 1926.176, 1926.177, 1926.178, 1926.179, 1926.180, 1926.181, 1926.182, 1926.183, 1926.184, 1926.185, 1926.186, 1926.187, 1926.188, 1926.189, 1926.190, 1926.191, 1926.192, 1926.193, 1926.194, 1926.195, 1926.196, 1926.197, 1926.198, 1926.199, 1926.200, 1926.201, 1926.202, 1926.203, 1926.204, 1926.205, 1926.206, 1926.207, 1926.208, 1926.209, 1926.210, 1926.211, 1926.212, 1926.213, 1926.214, 1926.215, 1926.216, 1926.217, 1926.218, 1926.219, 1926.220, 1926.221, 1926.222, 1926.223, 1926.224, 1926.225, 1926.226, 1926.227, 1926.228, 1926.229, 1926.230, 1926.231, 1926.232, 1926.233, 1926.234, 1926.235, 1926.236, 1926.237, 1926.238, 1926.239, 1926.240, 1926.241, 1926.242, 1926.243, 1926.244, 1926.245, 1926.246, 1926.247, 1926.248, 1926.249, 1926.250, 1926.251, 1926.252, 1926.253, 1926.254, 1926.255, 1926.256, 1926.257, 1926.258, 1926.259, 1926.260, 1926.261, 1926.262, 1926.263, 1926.264, 1926.265, 1926.266, 1926.267, 1926.268, 1926.269, 1926.270, 1926.271, 1926.272, 1926.273, 1926.274, 1926.275, 1926.276, 1926.277, 1926.278, 1926.279, 1926.280, 1926.281, 1926.282, 1926.283, 1926.284, 1926.285, 1926.286, 1926.287, 1926.288, 1926.289, 1926.290, 1926.291, 1926.292, 1926.293, 1926.294, 1926.295, 1926.296, 1926.297, 1926.298, 1926.299, 1926.300, 1926.301, 1926.302, 1926.303, 1926.304, 1926.305, 1926.306, 1926.307, 1926.308, 1926.309, 1926.310, 1926.311, 1926.312, 1926.313, 1926.314, 1926.315, 1926.316, 1926.317, 1926.318, 1926.319, 1926.320, 1926.321, 1926.322, 1926.323, 1926.324, 1926.325, 1926.326, 1926.327, 1926.328, 1926.329, 1926.330, 1926.331, 1926.332, 1926.333, 1926.334, 1926.335, 1926.336, 1926.337, 1926.338, 1926.339, 1926.340, 1926.341, 1926.342, 1926.343, 1926.344, 1926.345, 1926.346, 1926.347, 1926.348, 1926.349, 1926.350, 1926.351, 1926.352, 1926.353, 1926.354, 1926.355, 1926.356, 1926.357, 1926.358, 1926.359, 1926.360, 1926.361, 1926.362, 1926.363, 1926.364, 1926.365, 1926.366, 1926.367, 1926.368, 1926.369, 1926.370, 1926.371, 1926.372, 1926.373, 1926.374, 1926.375, 1926.376, 1926.377, 1926.378, 1926.379, 1926.380, 1926.381, 1926.382, 1926.383, 1926.384, 1926.385, 1926.386, 1926.387, 1926.388, 1926.389, 1926.390, 1926.391, 1926.392, 1926.393, 1926.394, 1926.395, 1926.396, 1926.397, 1926.398, 1926.399, 1926.400, 1926.401, 1926.402, 1926.403, 1926.404, 1926.405, 1926.406, 1926.407, 1926.408, 1926.409, 1926.410, 1926.411, 1926.412, 1926.413, 1926.414, 1926.415, 1926.416, 1926.417, 1926.418, 1926.419, 1926.420, 1926.421, 1926.422, 1926.423, 1926.424, 1926.425, 1926.426, 1926.427, 1926.428, 1926.429, 1926.430, 1926.431, 1926.432, 1926.433, 1926.434, 1926.435, 1926.436, 1926.437, 1926.438, 1926.439, 1926.440, 1926.441, 1926.442, 1926.443, 1926.444, 1926.445, 1926.446, 1926.447, 1926.448, 1926.449, 1926.450, 1926.451, 1926.452, 1926.453, 1926.454, 1926.455, 1926.456, 1926.457, 1926.458, 1926.459, 1926.460, 1926.461, 1926.46

STORM DRAINAGE NOTES:

1. ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE PIPE WITH 6" MIN. WALL UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS BASED ON THE QUALITY OF SOIL AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF GARY STANDARDS.
3. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
4. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEAL, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE F FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
5. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, LIMBS, TWIGS, BRUSH, STICKS, OR OTHER MATERIALS, AND OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING LOGS OR PROOF ROLLING.
6. MATERIALS DEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR THE PROJECT PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
7. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPES IS Laid. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR. THE STANDARD PROCTOR TEST, THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR.
8. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
9. IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE WITHIN THE CORNERS OF THE BOXES. PENETRATIONS AT OTHER CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL PIPE AND STRUCTURES FOR CRACKS OR BREAKS, PRIOR TO INSTALLATION. ANY DAMAGE TO THE PIPE SHALL NOT BE THE RESPONSIBILITY OF THE CITY.
11. SEE SHEET C-2.0 FOR STORM DRAINAGE STRUCTURE ELEVATIONS AND PIPE INVERTS.

### **TOWN OF CARY NOTES**

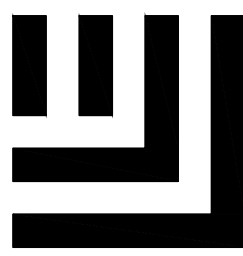
- TO MINIMIZE DAMAGE TO EXISTING CHAMPION TREES LOCATED NEAR THE INTERIOR EDGE OF TREE PROTECTION AREAS, THE CONTRACTOR SHALL CUT TRENCHES, A MINIMUM OF TWO FEET DEEP, ALONG THE LIMITS OF DISTURBANCE IN ORDER TO CUT, RATHER THAN TEAR, EXISTING ROOTS.
2. INSTALLATION OF THE PVC PIPE SHALL ADHERE TO THE SPECIFICATIONS OF ASTM F1419 AND BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY TO TOWN STANDARDS. ALL STORM DRAIN FRAME GRATES & HOODS SHALL BE STAMPED WITH "DRAINAGE TO RIVER" IN ACCORDANCE WITH TOWN OF CARLY STANDARDS.
3. IF THERE WILL BE A TRASH COMPACTOR ON THE SITE A CONNECTION TO SANITARY SEWER AND A CONCRETE PUMPER SITE WILL BE REQUIRED.
4. THE PVC PIPE SHALL MEET THE SPECIFICATIONS OF ASTM F949-93a AND SHALL HAVE A SMOOTH INTERIOR.



Wake County  
Public School  
System

LS3P

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



# McADAMS



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LSSP ASSOCIATES LTD.

# Swift Creek Elementary School

LS3P PROJECT: 8201-207411

[illegible]

**SHEET NAME:**

## STRUCTURE TABLES

**BID SET** 2024.04.10  
**SUBMISSION:**

**SHEET:**

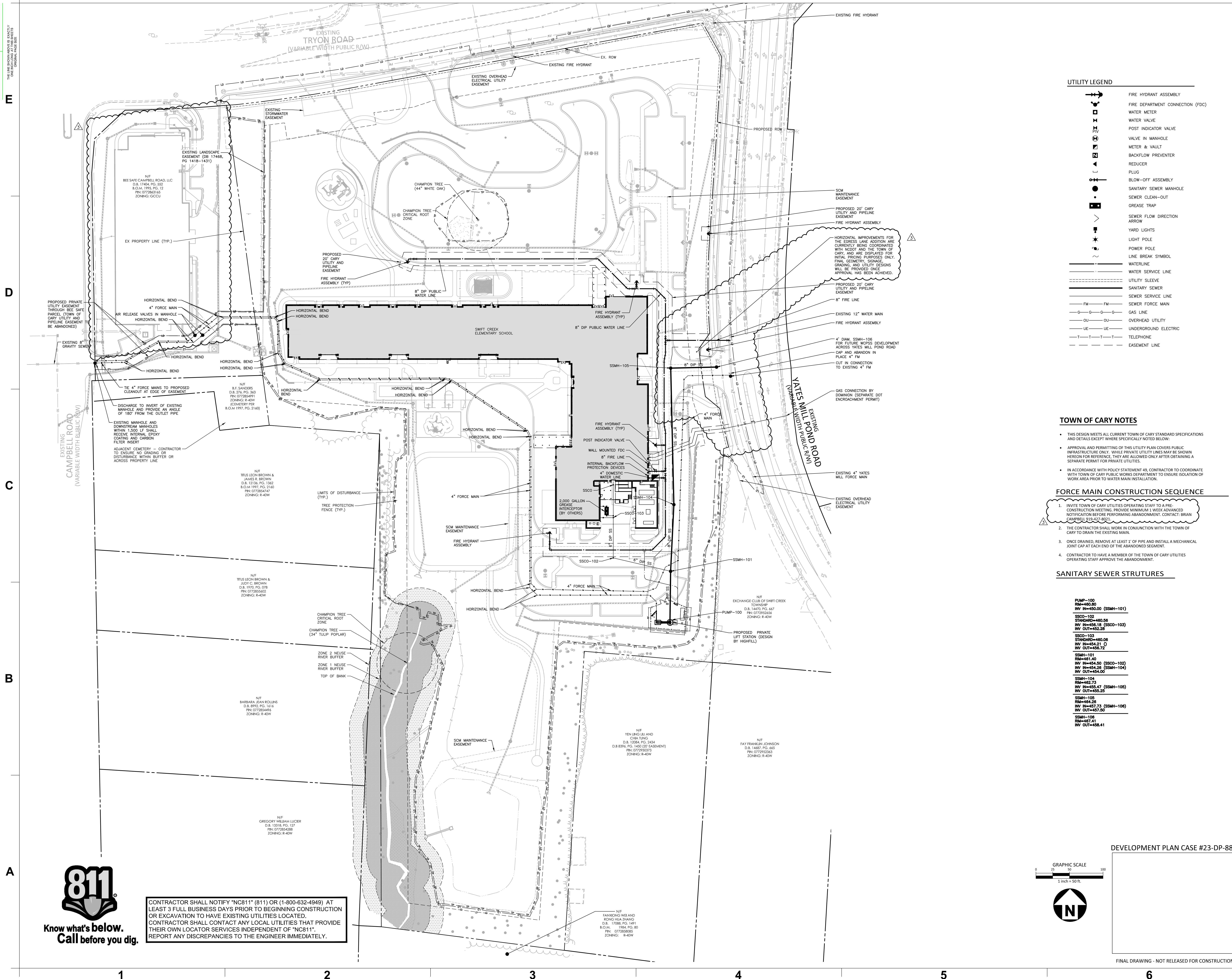
# C3.03

---

BID SET

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION







[illegible]

**SHEET NAME:**

## UTILITY PLAN NORTH

DATE OF SET: 2024.04.10  
SUBMISSION:

**SHEET:**































# C4.01

---

BID SET

## ID SET



- |   |                                  |
|---|----------------------------------|
|  | FIRE HYDRANT ASSEMBLY            |
|  | FIRE DEPARTMENT CONNECTION (FDC) |
|  | WATER METER                      |
|  | WATER VALVE                      |
|  | POST INDICATOR VALVE             |
|  | VALVE IN MANHOLE                 |
|  | METER & VAULT                    |
|  | BACKFLOW PREVENTER               |
|  | REDUCER                          |
|  | PLUG                             |
|  | BLOW-OFF ASSEMBLY                |
|  | SANITARY SEWER MANHOLE           |
|  | SEWER CLEAN-OUT                  |
|  | GREASE TRAP                      |
|  | SEWER FLOW DIRECTION<br>ARROW    |
|  | YARD LIGHTS                      |
|  | LIGHT POLE                       |
|  | POWER POLE                       |
|  | LINE BREAK SYMBOL                |
|  | WATERLINE                        |
|  | WATER SERVICE LINE               |
|  | UTILITY SLEEVE                   |
|  | SANITARY SEWER                   |
|  | SEWER SERVICE LINE               |
|  | GAS FORCE MAIN                   |
|  | GAS LINE                         |
|  | OVERHEAD UTILITY                 |
|  | UNDERGROUND ELECTRIC             |
|  | TELEPHONE                        |
|  | EASEMENT LINE                    |

### FORCE MAIN CONSTRUCTION SEQUENCE

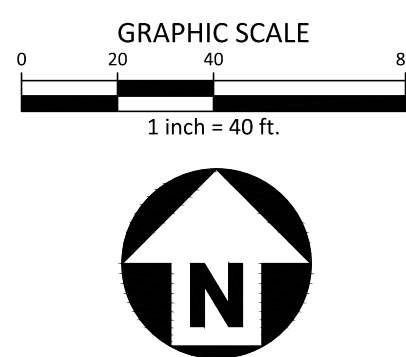
1. INVITE TOWN OF CARY UTILITIES OPERATING STAFF TO A PRE-CONSTRUCTION MEETING. PROVIDE MINIMUM 1 WEEK ADVANCED NOTIFICATION BEFORE PERFORMING ABANDONMENT. CONTACT: BRIAN CAMPBELL 919-427-8021.
2. THE CONTRACTOR SHALL WORK IN CONJUNCTION WITH THE TOWN OF CARY TO DRAIN THE EXISTING MAIN.
3. ONCE DRAINED, REMOVE AT LEAST 1' OF PIPE AND INSTALL A MECHANICAL JOINT CAP AT EACH END OF THE ABANDONED SEGMENT.
4. CONTRACTOR TO HAVE A MEMBER OF THE TOWN OF CARY UTILITIES OPERATING STAFF APPROVE THE ABANDONMENT.

3

NS }  $\triangle 3$   
VED.

MATCH LINE - SEE C4.02

DEVELOPMENT PLAN CASE #23-DP-8842



FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT  
AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION  
OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.  
CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE  
THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811".  
REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



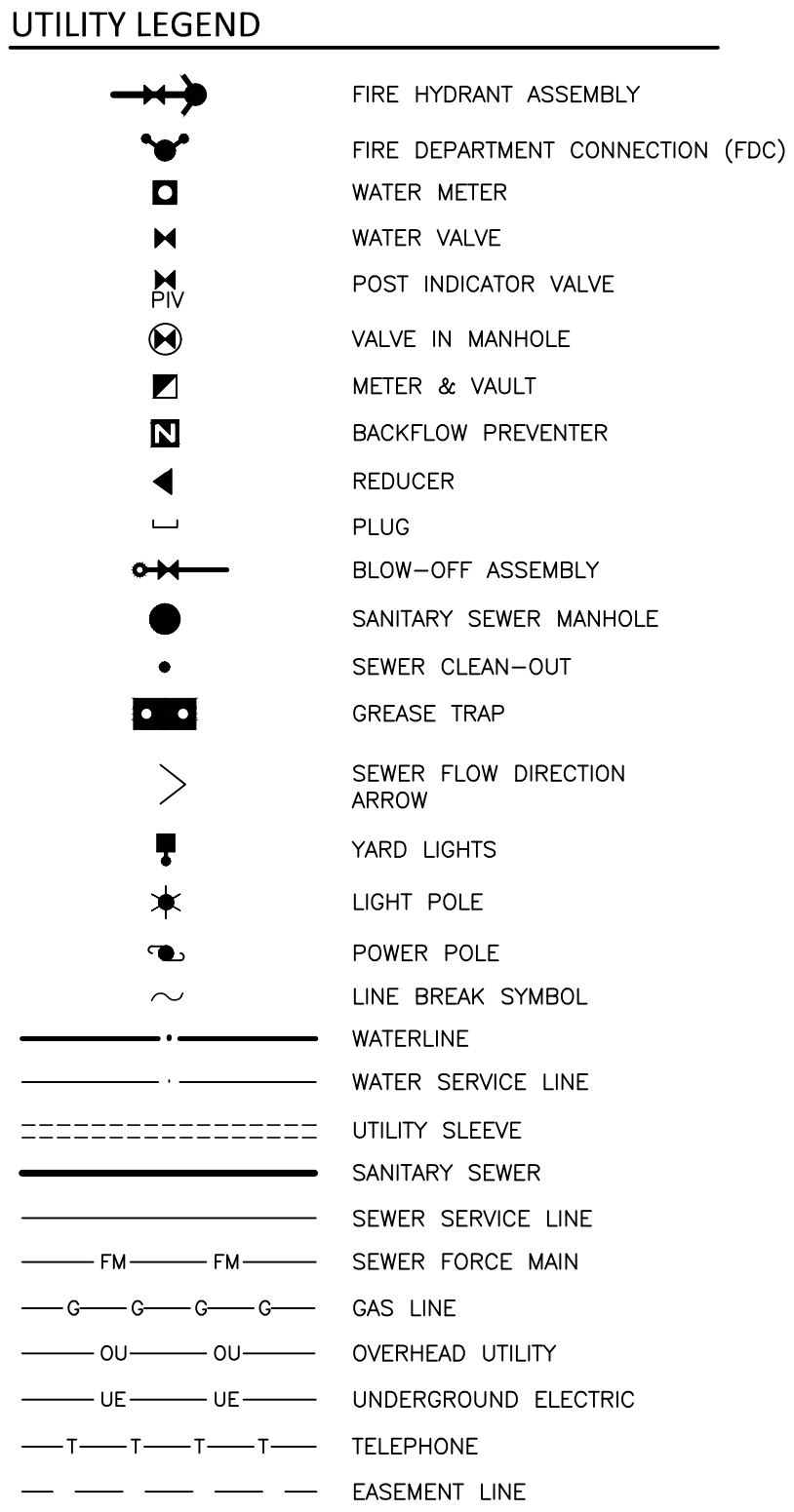
[illegible]

**SHEET NAME:**

## UTILITY PLAN SOUTH

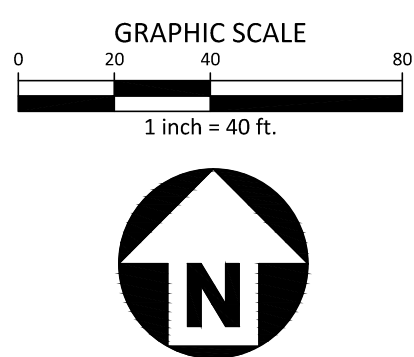
DATE OF SET: 2024.04.10  
SUBMISSION:

HEET:  
**C4.02**  
BID SET



## FORCE MAIN CONSTRUCTION SEQUENCE

1. INVITE TOWN OF CARY UTILITIES OPERATING STAFF TO A PRE-CONSTRUCTION MEETING. PROVIDE MINIMUM 1 WEEK ADVANCED NOTIFICATION BEFORE PERFORMING ABANDONMENT. CONTACT: BRIAN CAMPBELL 919-427-8021.
2. THE CONTRACTOR SHALL WORK IN CONJUNCTION WITH THE TOWN OF CARY TO DRAIN THE EXISTING MAIN.
3. ONCE DRAINED, REMOVE AT LEAST 1' OF PIPE AND INSTALL A MECHANICAL JOINT CAP AT EACH END OF THE ABANDONED SEGMENT.
4. CONTRACTOR TO HAVE A MEMBER OF THE TOWN OF CARY UTILITIES OPERATING STAFF APPROVE THE ABANDONMENT.



DEVELOPMENT PLAN CASE #23-DP-8842

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION



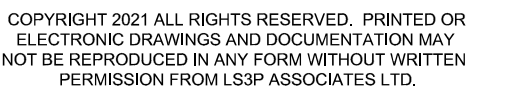
**Know what's below.  
Call before you dig.**

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT  
AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION  
OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.  
CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE  
THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811".  
REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.







[illegible]

BID SET







SCALE: NTS

- ## 2) ABANDONMENT OF THE COMMON FORCE MAIN DISCHARGE AT JONES FRANKLIN PUMP STATION

SCALE: 1"=40'

- 3 DETAIL - DI PIPE BEDDING

SCALE: NT1



Highfill Infrastructure Engineering, P.C.  
2703 Jones Franklin Road, Suite 201  
Cary, NC 27518  
Tel 919-481-4342  
NC Firm License No. C-2586

---

*r profession. Service is our passion.*

LS3P PROJECT: 8201-207411

KEY PLAN:

**SHEET:**

## PS-1.2

BID SET



### STRUCTURAL STEEL NOTES:

4. PRIOR TO PLACING FOUNDATION CONCRETE, ALL FOUNDATION EXCAVATIONS MUST BE INSPECTED BY THE OWNER'S SPECIAL INSPECTOR TO EXPLORE THE EXTENT OF LOOSE, SOFT, EXPANSIVE, OR OTHERWISE UNSATISFACTORY SOIL MATERIAL AND TO SORT OF DESIGN BEARING CAPACITY. DIRECTION FOR CORRECTIVE ACTION WILL BE PROVIDED BY THE OWNER'S GEOTECHNICAL SPECIAL INSPECTOR WHERE UNSATISFACTORY SOILS ARE PRESENT.
5. NO UNBALANCED BACKFILLING MUST BE DONE AGAINST MASONRY OR CONCRETE WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY CONSTRUCTION BRACING OR BY PERMANENT CONSTRUCTION.
6. CONTROL GROUNDWATER AND SURFACE RUNOFF THROUGHOUT THE CONSTRUCTION PROCESS. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES WHICH RESULT IN DETERIORATION OF BEARING MUST BE PREVENTED.

1. STRUCTURAL STEEL MUST BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360.
2. STRUCTURAL STEEL MUST COMPLY WITH THE FOLLOWING SPECIFICATIONS:
  - A. STRUCTURAL STEEL SHAPES, PLATES AND BARS UNLESS OTHERWISE NOTED - ASTM A36,  $F_y = 36$  KSI
  - B. STRUCTURAL STEEL W-SHAPES - ASTM A992,  $F_y = 50$  KSI
  - C. HOLLOW STRUCTURAL SECTIONS (HSS):
    - a. SQUARE AND RECTANGULAR - ASTM A500, GRADE C,  $F_y = 50$  KSI
    - b. ANCHOR RODS - ASTM F1554, GRADE 36
  - D. HIGH STRENGTH BOLTS - ASTM A325 (TYPICAL UON)
  - E. FULLY PRETENSIONED BOLTS - ASTM F1852 (TWIST-OFF TYPE)
  - F. WASHERS - ASTM F436
  - G. NUTS - ASTM A563
3. UNLESS OTHERWISE NOTED, ALL REQUIRED DESIGN STRENGTHS AND REACTIONS INDICATED ARE BASED ON THE "LOADING COMBINATIONS USING STRENGTH DESIGN OR LOAD AND RESISTANCE FACTOR DESIGN" PER SECTION 1605.2 OF THE BUILDING CODE.
4. STRUCTURAL STEEL FRAME IS CONSIDERED AS RESTRAINED FOR FIRE PROTECTION PURPOSES.
5. UNLESS OTHERWISE NOTED, BEAM CONNECTIONS MUST BE AISC "SIMPLE SHEAR CONNECTIONS" WITH ASTM A325 BOLTS. DESIGN CONNECTIONS FOR THE REACTIONS (RF) FOR FLOOR (LOADING) SHOWN ON THE DRAWINGS AND THE MINIMUM NUMBER OF BOLTS SHOWN BELOW. IF A REACTION IS SHOWN, DESIGN CONNECTIONS FOR REACTIONS AND THE MINIMUM NUMBER OF BOLTS SHOWN BELOW.

6. HIGH STRENGTH BOLTS MAY BE TIGHTENED TO THE "SNUG TIGHT" CONDITION IN LIEU OF FULL PRETENSIONING EXCEPT FOR THE FOLLOWING CONNECTIONS WHICH MUST BE FULLY PRETENSIONED:
  - A. BOLTED CONNECTIONS USING NON-STANDARD HOLES.
  - B. ALL FRAMING CONNECTIONS AT BRACED FRAMES.
7. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS OF "DELEGATED DESIGN" CONNECTIONS.
8. FOR STRUCTURAL STEEL CONNECTIONS INDICATED AS "DELEGATED DESIGN", INCLUDE STRUCTURAL CALCULATIONS SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA RESPONSIBLE FOR THEIR PREPARATION. IN ADDITION, THE PROFESSIONAL ENGINEER RESPONSIBLE FOR CONNECTION DESIGN MUST REVIEW THE SHOP DRAWINGS PRIOR TO SUBMITTAL TO VERIFY THAT THE CONNECTIONS AS DETAILED ON THE SHOP DRAWINGS COMPLY WITH THE CONNECTION DESIGN REQUIREMENTS OF THE FINAL CALCULATIONS. A REVIEW LETTER, SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR CONNECTION DESIGN MUST BE PROVIDED WITH THE SHOP DRAWINGS AND CALCULATION SUBMITTAL STATING THAT THIS REVIEW AND VERIFICATION HAS BEEN COMPLETED.

10. PROVIDE ONE VERTICAL BAR EACH SIDE OF ALL OPENINGS AND CONTROL JOINTS, AND AT CORNERS AND INTERSECTIONS OF ALL MASONRY WALLS, BOTH BEARING AND NON-BEARING WALLS. SHOW CONTROL JOINT LOCATIONS ON THE REINFORCING STEEL SHOP DRAWINGS.
11. ALL NON-BEARING MASONRY WALLS MUST BE REINFORCED WITH #5 VERTICAL BARS AT 32 INCHES ON CENTER, TYPICAL UNLESS OTHERWISE NOTED. ALL NON-BEARING MASONRY WALLS MUST BE BRACED PER "TYPICAL NON-BEARING MASONRY PARTITION DETAILS".
12. PROVIDE REINFORCING STEEL DOWELS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM THE SUPPORTING STRUCTURE. DOWELS MUST HAVE STANDARD ACI HOOKS.
13. PROVIDE STANDARD 9 GAGE LADDER TYPE HORIZONTAL JOINT REINFORCING IN CMU WALLS AT 16 INCHES ON CENTER AND IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS, EXTENDING A MINIMUM OF 2 FEET BEYOND THE JAMB ON EACH SIDE OF THE OPENING, EXCEPT AT CONTROL JOINTS.
14. PROVIDE HORIZONTAL BOND BEAMS WITH CONTINUOUS REINFORCING AS SHOWN IN THE SECTIONS AND DETAILS. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS EXCEPT FOR THE BOND BEAMS AT JOIST BEARING ELEVATIONS.
15. DO NOT LOCATE CONTROL JOINTS WITHIN TWO FEET OF STEEL BEAM BEARING LOCATIONS.

1. COLD-FORMED METAL FRAMING MUST BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS"
2. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A NORTH CAROLINA LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN OF COLD-FORMED METAL FRAMING. SHOP DRAWINGS MUST INCLUDE DESIGN LOADINGS AND REACTIONS APPLIED TO THE SUPPORTING STRUCTURE. INCLUDE PLACING DRAWINGS FOR FRAMING MEMBERS SHOWING SIZE AND GAGE DESIGNATIONS, NUMBER, TYPE, LOCATION AND SPACING. INDICATE CONNECTIONS, SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS AND CONSTRUCTION SEQUENCE REQUIRED FOR PROPER AND SAFE INSTALLATION.
3. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". TOUCH UP ALL WELDS WITH SPECIFIED COATING SYSTEMS.
4. COLD-FORMED METAL FRAMING MEMBERS MUST CONFORM TO ASTM C955, AND BE FORMED OF CORROSION-RESISTANT STEEL CONFORMING TO ASTM A653 AND ASTM C955 WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL AND THINNER MEMBERS AND 50 KSI FOR ALL OTHER MEMBERS.
5. MEMBER SECTION PROPERTIES MUST CONFORM TO PART "I" OF THE "COLD-FORMED STEEL DESIGN MANUAL."
6. COLD-FORMED METAL FRAMING MEMBERS, HEADERS AND CONNECTIONS SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS ARE SCHEMATIC ONLY AND MUST BE DESIGNED TO MEET PERFORMANCE SPECIFICATION REQUIREMENTS.
7. PROVIDE BRIDGING LINES AT 4'-0" MAXIMUM ON CENTER IN ALL WALLS UNLESS OTHERWISE INDICATED. BRIDGING MUST BE FULLY INSTALLED AND ANCHORED AT ENDS BEFORE SUPERIMPOSING LOADS ONTO THE STUDS.





**A**

**A**

SPRAYED FIRE-RESISTANT MATERIALS <sub>A</sub>				
	INSPECTION TASK	TASK REQD	FREQ	REFERENCE FOR CRITERIA
				STANDARD
1.	PRIOR TO THE APPLICATION OF SPRAYED ON FIRE RESISTANT MATERIALS, VERIFY STRUCTURAL MEMBER SURFACES ARE PREPARED IN ACCORDANCE WITH THE APPROVED FIRE-RESISTANCE DESIGN AND THE WRITTEN INSTRUCTIONS OF THE APPROVED MANUFACTURER	<input checked="" type="checkbox"/>	P	1705.14.2
2.	DURING THE APPLICATION OF SPRAYED ON FIRE RESISTANT MATERIALS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
a.	SUBSTRATE HAS MINIMUM AMBIENT TEMPERATURE BEFORE AND AFTER APPLICATION AS SPECIFIED BY THE FIRE RESISTANCE DESIGN AND APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS	<input checked="" type="checkbox"/>	P	1705.14.3
b.	WORK AREA PROPERLY VENTILATED DURING AND AFTER APPLICATION	<input checked="" type="checkbox"/>	P	1705.14.3
c.	THICKNESS OF SPRAYED ON MATERIAL CONFORMS WITH THE APPROVED FIRE RESISTANCE DESIGN AND NCBC MINIMUMS	<input checked="" type="checkbox"/>	P	1705.14.4, 1705.14.4.4, 1705.14.4.5, 1705.14.4.6, 1705.14.4.7, 1705.14.4.8, 1705.14.4.9
d.	THE DENSITY OF SPRAYED ON MATERIALS IS NOT LESS THAN THE REQUIREMENTS OF THE APPROVED FIRE-RESISTANCE DESIGN	<input checked="" type="checkbox"/>	P	1705.14.5
e.	THE COHESIVE / ADHESIVE BOND STRENGTH IS NOT LESS THAN 150 POUNDS PER SQUARE FOOT	<input checked="" type="checkbox"/>	P	1705.14.6

A. INSPECTIONS MUST BE PERFORMED AFTER THE ROUGH INSTALLATION OF ELECTRICAL, AUTOMATIC SPRINKLER, MECHANICAL AND PLUMBING SYSTEMS, AND SUSPENSION SYSTEMS FOR CEILINGS.

RAMMED AGGREGATE PIERS & STONE COLUMNS					
	INSPECTION TASK	TASK REQ	FREQ	REFERENCE FOR CRITERIA	
				STANDARD	NCBC
1.	VERIFY THAT THE PIER INSTALLATION PROGRAM AND SOIL PARAMETERS ARE IN ACCORDANCE WITH THE APPROVED SOILS REPORT AND THE CONSTRUCTION DOCUMENTS	☑	C		1705.1.1
2.	DURING INSTALLATION, VERIFY THE AGGREGATE PROPERTIES, TYPE AND NUMBER OF LIFTS OF AGGREGATE, PER SIZE, INSTALLED DEPTH, TOP ELEVATION AND APPLIED RAM ENERGY	☑	P		1705.1.1
3.	REVIEW THE MODULUS LOAD TESTING, UPLIFT PULL-OUT TESTING, BOTTOM OR CROWD STABILIZATION TESTS AND DYNAMIC CONE PENETRATION TEST RESULTS FROM PRODUCTION PIER ELEMENTS AND VERIFY THAT ALL COMPLY WITH THE DESIGN SPECIFICATIONS	☑	C		1705.1.1

A. ALL RETAINING WALLS EXCEEDING 5 FEET IN HEIGHT REQUIRE SPECIAL INSPECTIONS.

B. FOR CONCRETE RETAINING WALLS AND FOOTINGS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3 OF THE NORTH CAROLINA BUILDING CODE AND THE APPLICABLE SCHEDULES INCLUDED HEREIN

C. FOR MASONRY RETAINING WALLS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.4 OF THE NORTH CAROLINA BUILDING CODE AND THE APPLICABLE SCHEDULES INCLUDED HEREIN

D. FOR SOILS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.6 OF THE NORTH CAROLINA BUILDING CODE AND THE APPLICABLE SCHEDULES INCLUDED HEREIN

COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED ON  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

[illegible]

BID SE







**A**



---


$$1/8'' = 1'-0''$$

13

BID SET



THESE DRAWINGS ARE EXACTLY  
ONE INCH PER FOOT  
UNLESS OTHERWISE NOTED

E

D

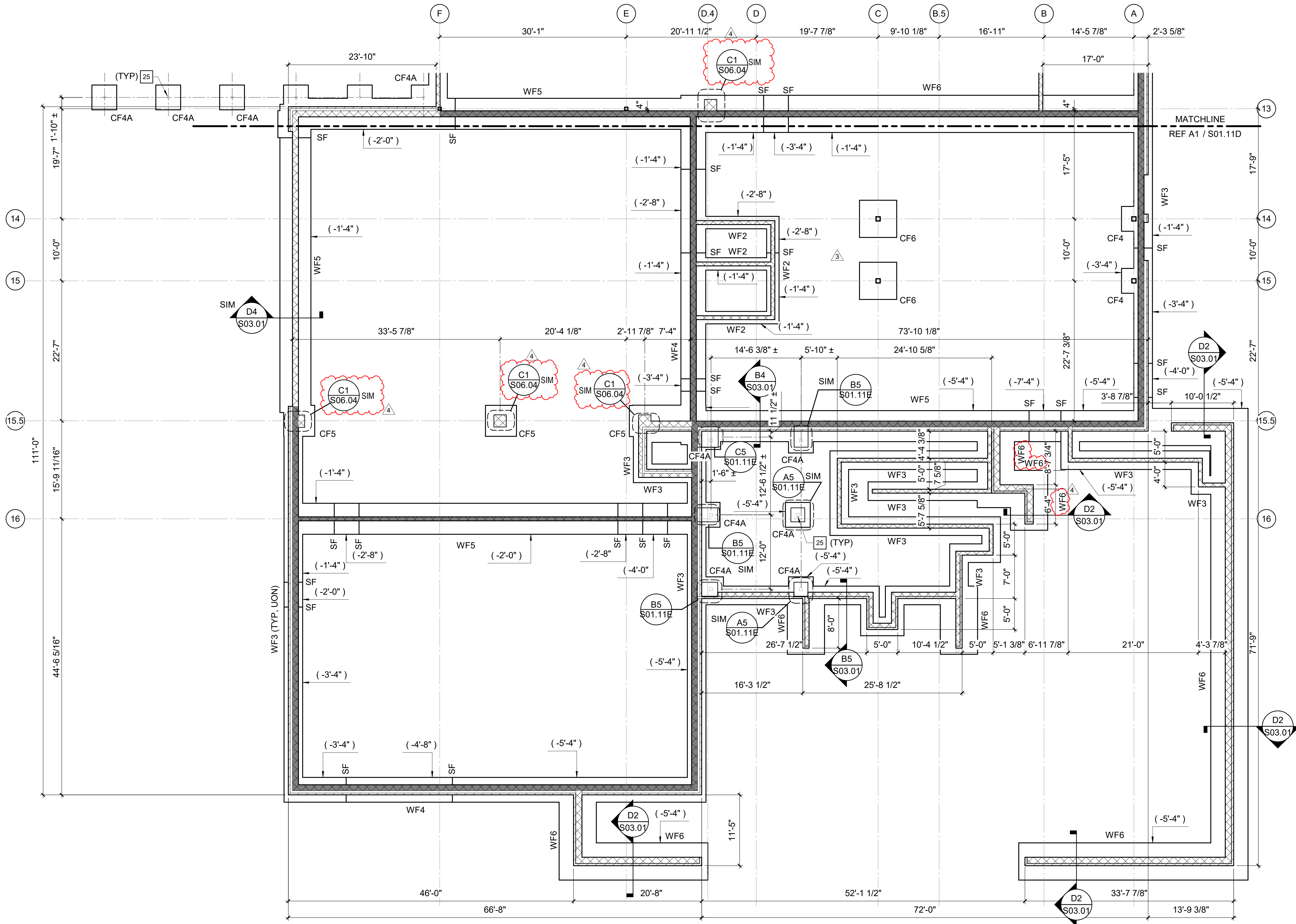
C

B

A

COLUMN FOOTING SCHEDULE						
MARK	SIZE			REINFORCING		
	LENGTH	WIDTH	DEPTH	BOTTOM	TOP	
CF3	3' - 0"	3' - 0"	1'-0"	(3) #5 EW	-	
CF4	4' - 0"	4' - 0"	1'-0"	(4) #5 EW	-	
CF4A	4' - 0"	4' - 0"	1'-6"	(6) #5 EW	(6) #5 EW	
CF5	5' - 0"	5' - 0"	1'-3"	(6) #5 EW	-	
CF5A	5' - 0"	5' - 0"	1'-6"	(8) #5 EW	(8) #5 EW	
CF6	6' - 0"	6' - 0"	1'-6"	(8) #5 EW	-	
CF7	7' - 0"	7' - 0"	1'-10"	(11) #5 EW	-	
CF7A	7' - 0"	7' - 0"	1'-10"	(11) #5 EW	(11) #5 EW	
CF10x7	10' - 0"	7' - 0"	2'-6"	(11) #6 LW, (15) #6 SW	(11) #6 LW, (15) #6 SW	

WALL FOOTING SCHEDULE				
MARK	SIZE		REINFORCING	
	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE
WF2	2' - 0"	1'-0"	(3) #4 BOT	#4 AT 48" OC BOT
WF3	3' - 0"	1'-0"	(4) #4 BOT	#4 AT 48" OC BOT
WF4	4' - 0"	1'-0"	(4) #5 BOT	#4 AT 48" OC BOT
WF5	5' - 0"	1'-6"	(7) #5 T&B	#5 AT 12" OC T&B
WF6	6' - 0"	1'-6"	(8) #5 T&B	#5 AT 12" OC T&B

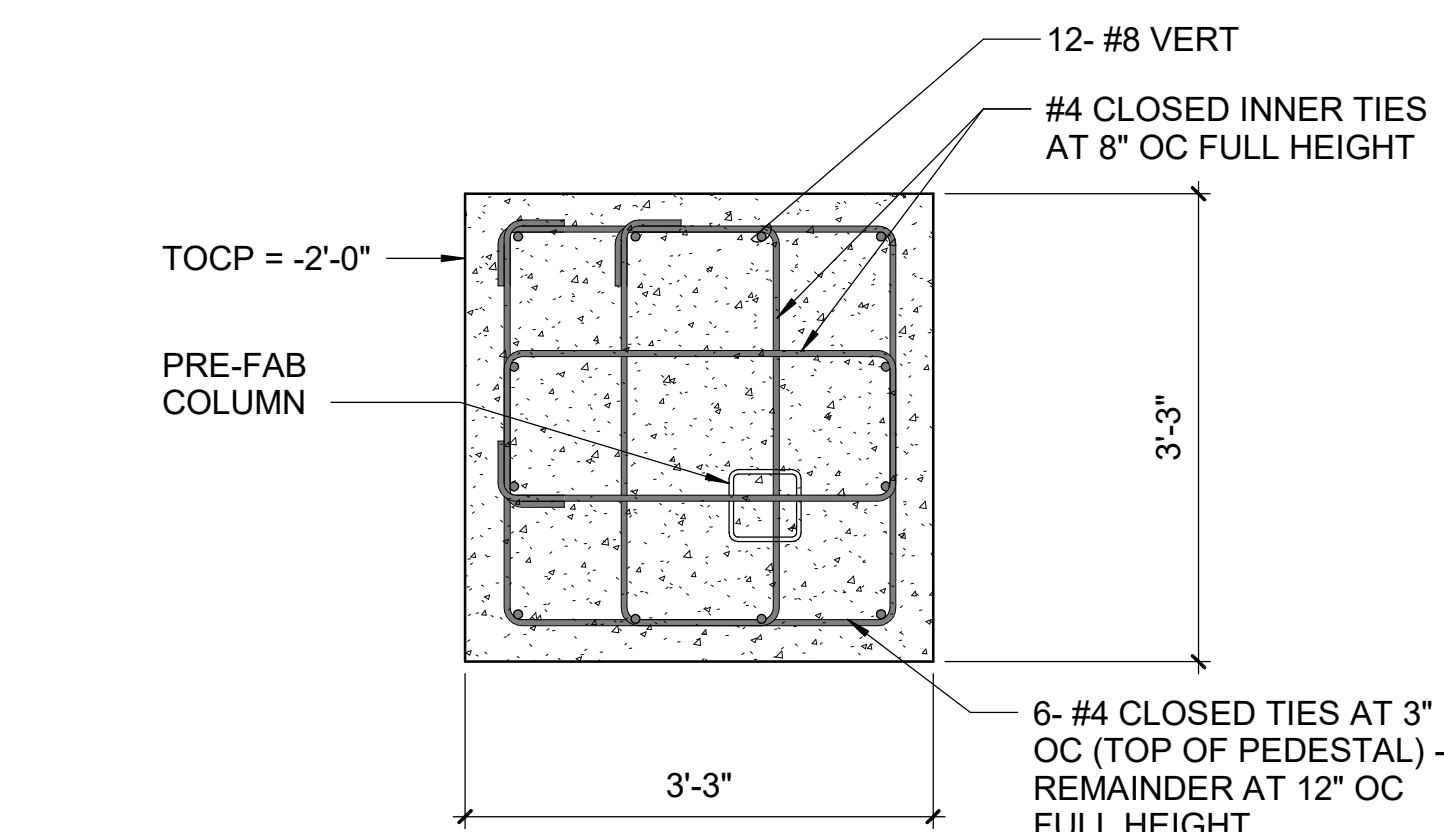


## FOUNDATION PLAN NOTES

- REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO NONBEARING WALLS, WALL CONTROL JOINTS AND OPENINGS.
- UNLESS OTHERWISE NOTED, ALL ELEVATIONS ARE BASED ON A FINISHED FIRST FLOOR REFERENCE OF 0'-0". ACTUAL FINISHED FLOOR ELEVATION IS 464.00'. FINISHED FLOOR ELEVATIONS AT EACH LEVEL ARE INDICATED ON SLAB PLANS. REFERENCE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR MATERIALS.
- TOP OF ALL FOOTINGS MUST BE AT ELEVATION -1'-4" UNLESS OTHERWISE NOTED.
- NOT ALL UTILITY LOCATIONS ARE SHOWN ON PLAN. THE CONTRACTOR MUST COORDINATE THE LOCATIONS, SIZES, AND INVERTS OF UTILITIES. AT LOCATIONS WHERE UTILITIES PASS BELOW THE TOP OF FOOTING ELEVATION, STEP THE TOP OF FOOTING DOWN ON EACH SIDE PER THE "STEPPED FOOTING DETAIL" AND SLEEVE THE UTILITY THROUGH THE FOUNDATION WALL. THE CONTRACTOR MAY, AT HIS/HER OPTION, SLEEVE THE UTILITY THROUGH THE FOUNDATION PER THE "UTILITY SLEEVE DETAIL".
- UNLESS OTHERWISE INDICATED, EXTEND WALL FOOTINGS A MINIMUM OF 16 INCHES BEYOND ENDS OF WALLS.
- DIMENSIONS SHOWN ON FOUNDATION PLAN ARE TO COLUMN GRIDLINES AND OUTSIDE FACE OF FOUNDATION WALLS, UNLESS OTHERWISE NOTED.

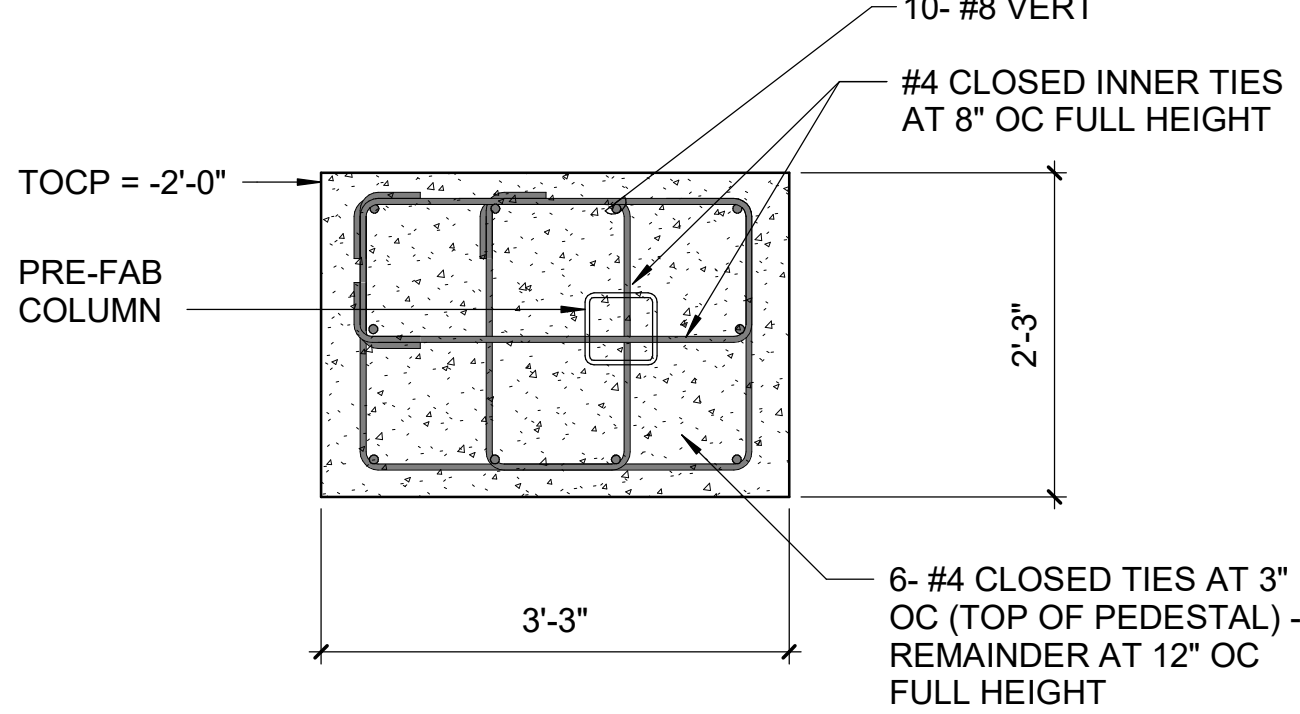
## KEY NOTES

- PREFABRICATED CANOPY COLUMN - REFER TO TYPICAL PREFABRICATED CANOPY FOOTING DETAIL. CONTRACTOR SHALL COORDINATE CONCRETE PEDESTAL AND FOOTING LOCATION WITH PRE-FABRICATED CANOPY DIMENSIONS.



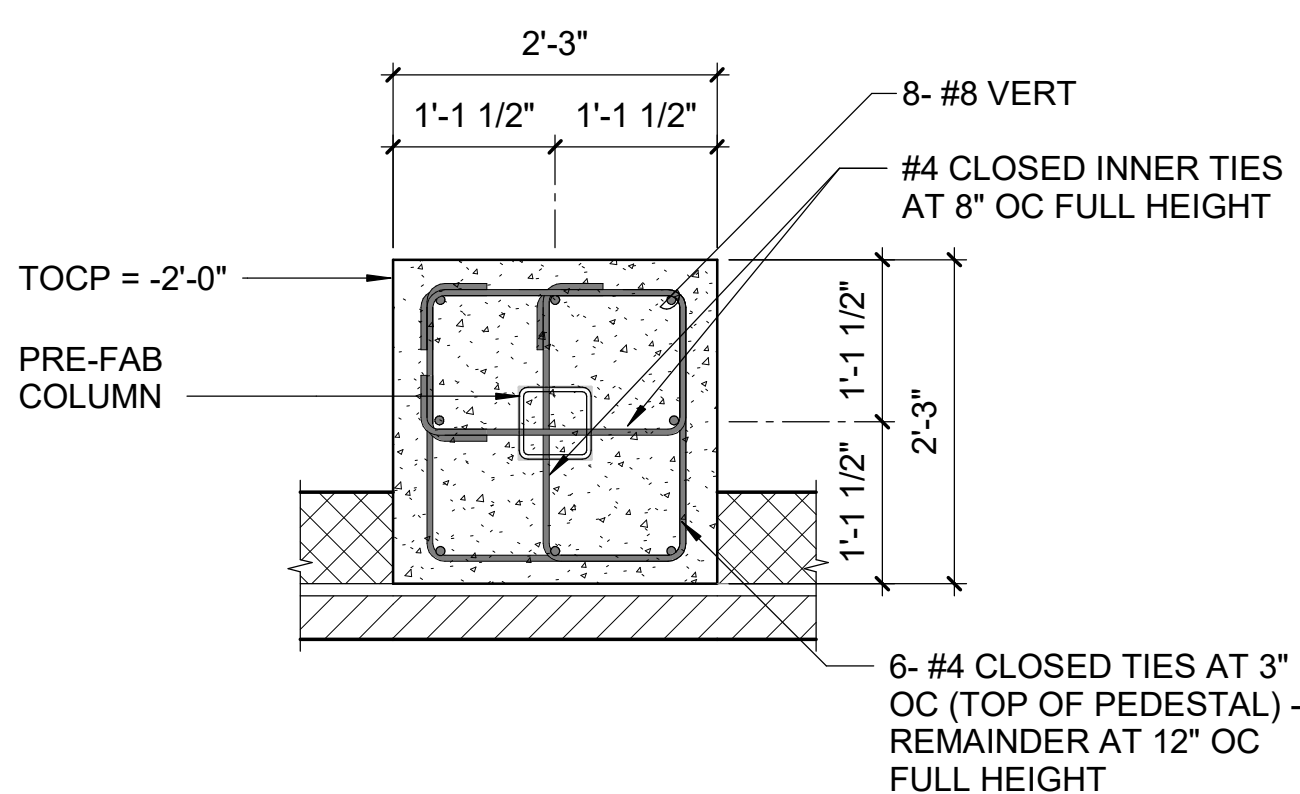
## C5 PLAN DETAIL

3/4" = 1'-0"



## B5 PLAN DETAIL

3/4" = 1'-0"



## A5 PLAN DETAIL

NTS



## LEVEL 1 FOUNDATION PLAN - AREA E

1/8" = 1'-0"



Wake County  
Public School  
System



434 FAYETTEVILLE STREET SUITE 1700  
RALEIGH, NORTH CAROLINA 27603  
TEL. 919.829.2730 FAX. 919.829.2700  
WWW.LS3P.COM



Structural Engineers  
301 N West St., Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LMXX.XXX  
Corporation No. C-4360



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

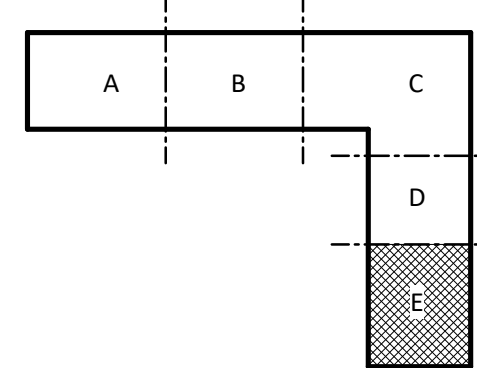
Swift Creek Elementary  
School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

DATE	DESCRIPTION
3/4/23/24	Addendum 3
4/30/24	Addendum 4

KEY PLAN:



SHEET NAME:  
LEVEL 1  
FOUNDATION PLAN  
- AREA E

BID SET  
SUBMISSION: 2024.04.10

SHEET:  
**S01.11E**

BID SET



A



6

LS3P PROJECT: 8201-207411

SID SE



THESE DIMENSIONS ARE EXACTLY  
ONE FOOT AND FIVE EIGHTEENTHS  
OF AN INCH IN SIZE

E

D

C

B

A



LEVEL 1 SLAB PLAN - AREA E

1/8" = 1'-0"

1

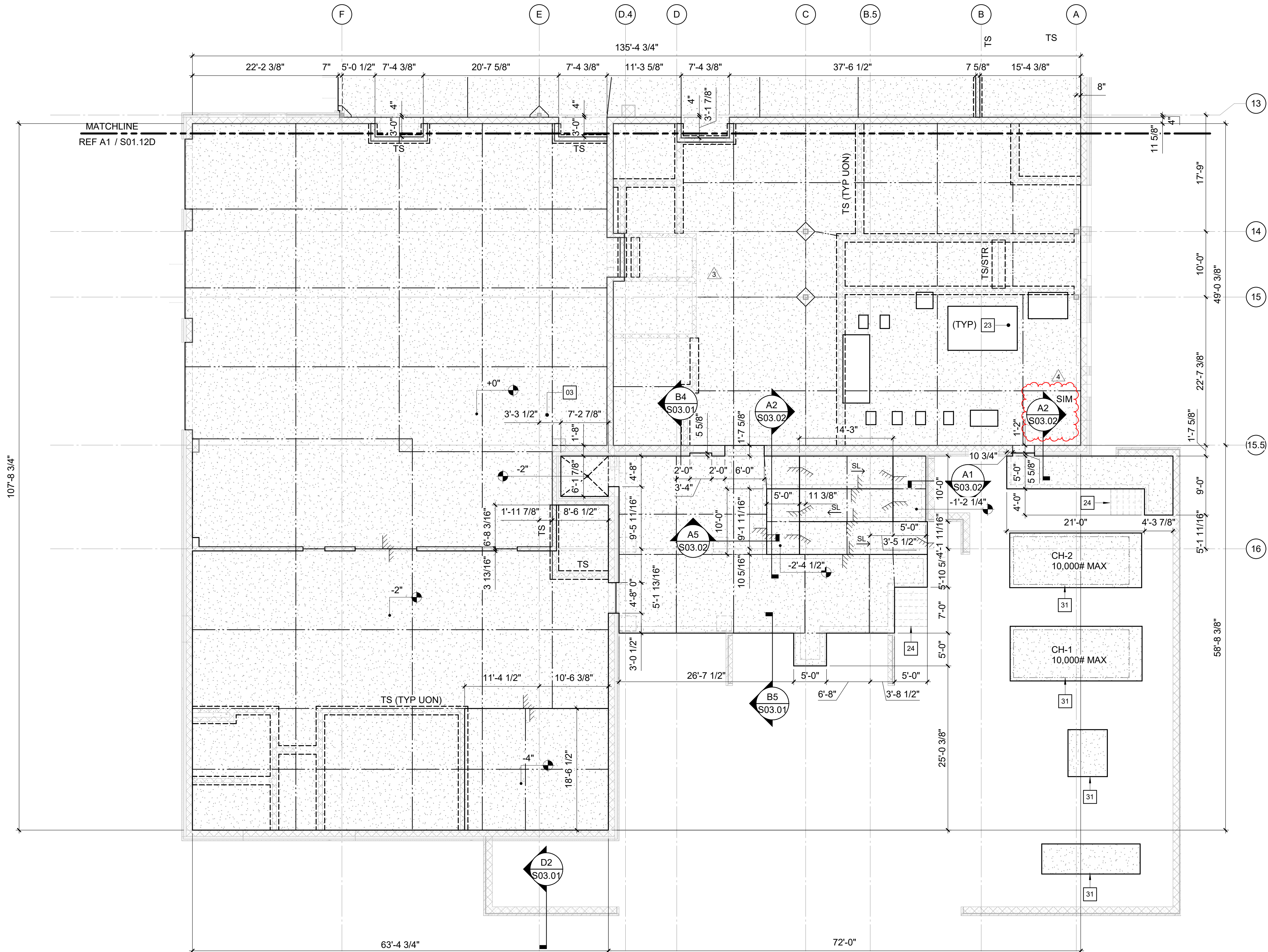
2

3

4

5

6



SLAB PLAN NOTES

- A. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO NONBEARING WALLS, WALL CONTROL JOINTS AND OPENINGS.
- B. UNLESS OTHERWISE NOTED, ALL ELEVATIONS ARE BASED ON A FINISHED FIRST FLOOR REFERENCE OF 0'-0". ACTUAL FINISHED FLOOR ELEVATION IS 464.00'. FINISHED FLOOR ELEVATIONS AT EACH LEVEL ARE INDICATED ON SLAB PLANS. REFERENCE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR MATERIALS.
- C. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT LIMITS OF SLAB DEPRESSIONS AND OMITTED SLABS.
- D. FLOOR SINKS AND DRAINS ARE NOT SHOWN ON PLAN. REFERENCE PME DRAWINGS FOR LOCATIONS.
- E. REFERENCE CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE SLABS AND PAVING.
- F. SLAB-ON-GRADE JOINTS MUST BE SAWED JOINTS OR KEYED CONSTRUCTION JOINTS, UNLESS OTHERWISE NOTED. CONTRACTOR MUST COORDINATE ALL SLAB JOINTS WITH JOINTS IN BONDED FLOOR FINISHES. REFERENCE ARCHITECTURAL DRAWINGS FOR FLOOR FINISH JOINT LOCATIONS.
- G. PLACE (1) #4 x 3'-0" IN MIDDLE OF SLAB AT RE-ENTRANT CORNERS WHERE A SLAB JOINT DOES NOT OCCUR.
- H. BELOW POROUS FILL, 3 FOOT DEPTH OF EXISTING SOILS MUST BE REMOVED AND REPLACED WITH ENGINEERED FILL CONSISTING OF APPROVED FILL MATERIAL. APPROVED FILL MATERIAL INCLUDES IMPORTED OR ON-SITE LOW-TO-MODERATE PLASTICITY SOIL. THIS INCLUDES THE FOLLOWING USCS CLASSIFICATIONS: CL, ML, CL-ML, SC, SM, SC-SM.

KEY NOTES

- 03 4" CONCRETE SLAB-ON-GRADE OVER VAPOR RETARDER AND 4" DEPTH OF POROUS FILL (NCDOT AGGREGATE BASE COURSE) UNLESS OTHERWISE INDICATED. REINFORCE SLAB WITH 6x6-W2.1xW2.1 WELDED WIRE REINFORCING PLACED 1 1/2" CLEAR BELOW TOP OF SLAB. MAINTAIN REINFORCEMENT IN POSITION ON BOLSTERS, CHAIRS OR SPACERS DURING CONCRETE PLACEMENT.
- 23 CONCRETE HOUSEKEEPING PAD AT MECHANICAL EQUIPMENT - REFER TO TYPICAL DETAIL. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
- 24 CONCRETE STAIR ON GRADE. REFERENCE TYPICAL DETAIL.
- 31 EXTERIOR EQUIPMENT PAD AT MECHANICAL EQUIPMENT. REFER TO TYPICAL DETAIL. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.



Wake County  
Public School  
System



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



Structural Engineers  
301 N West St., Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LMXX.XXX  
Corporation No. C-4360



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

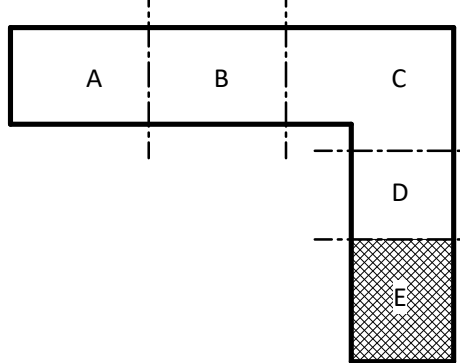
Swift Creek Elementary  
School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 9201-207411

DATE	DESCRIPTION
3 4/23/24	Addendum 3
4 4/30/24	Addendum 4

KEY PLAN:



SHEET NAME:  
LEVEL 1 SLAB PLAN  
- AREA E

BID SET SUBMISSION: 2024.04.10

SHEET:  
**S01.12E**

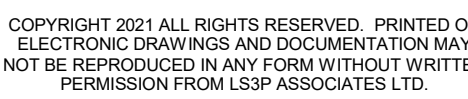
BID SET



**A**



- A. REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
- C. COMPOSITE STEEL BEAM FRAMING MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- D. STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 5'-6" ON-CENTER).
- E. CONCRETE ON ELEVATED METAL DECKS MUST BE POURED TO THE THICKNESS INDICATED.
- F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.



33 MASONRY ANCHORAGE - REFERENCE TYPICAL MASONRY ANCHORAGE DETAILS.

LS3P PROJECT: 8201-207411

[illegible]

A diagram of a 3x3 grid. The top row contains cells A, B, and C. The middle row contains cells D and E. The bottom row is empty. Cell A is shaded with a cross-hatch pattern. Cell B is empty. Cell C is empty. Cell D is empty. Cell E is empty.

**SHEET NAME:**  
**LEVEL 2 FRAMING**  
**PLAN - AREA A**

**BID SET** 2024.04.  
**SUBMISSION:**

SHEET: **S01.21A**

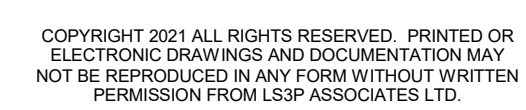
BID SE



**A**


$$\frac{1}{8}'' = 1'-0''$$


33 MASONRY ANCHORAGE - REFERENCE TYPICAL MASONRY ANCHORAGE DETAILS.



S3P PROJECT: 8201-207411

[illegible]

SHEET: **S01.21B**

BID SET



**A**



- A. REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
- C. COMPOSITE STEEL BEAM FRAMING MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- D. STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 5'-6" ON-CENTER).
- E. CONCRETE ON ELEVATED METAL DECKS MUST BE POURED TO THE THICKNESS INDICATED.
- F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.

LS3P PROJECT: 8201-207411

BID S

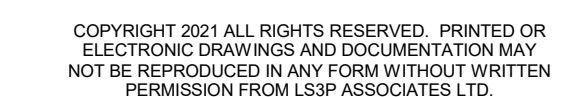


**A**



- A. REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
- C. COMPOSITE STEEL BEAM FRAMING MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- D. STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- E. CONCRETE ON ELEVATED METAL DECKS MUST BE POURED TO THE THICKNESS INDICATED.
- F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.

07	3 1/2" LIGHTWEIGHT CONCRETE SLAB ON 2" COMPOSITE FLOOR DECK x 20 GAGE, (5 1/2" TOTAL) REINFORCED WITH 6x6-W2 3xW2.9 WELDED WIRE REINFORCING LOCATED 1" CLEAR BELOW TOP OF SLAB.
08	1 1/2" x 20 GAGE ROOF DECK. REFERENCE STEEL DECK NOTES.
23	CONCRETE HOUSEKEEPING PAD AT MECHANICAL EQUIPMENT - REFER TO TYPICAL DETAIL. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.



LS3P PROJECT: 8201-207411

[illegible]

**SHEET NAME:**  
**LEVEL 2 SLAB PLAN**  
**- AREA C**

**BID SET** 2024.04.10  
**SUBMISSION:**

SHEET: **S01.22C**

BID SET

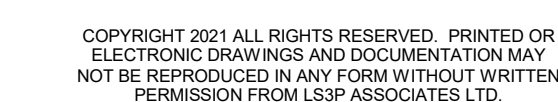


**A**


$$1/8'' = 1'-0''$$


- A. REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
- C. COMPOSITE STEEL BEAM FRAMING MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- D. STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 5'-6" ON-CENTER).
- E. CONCRETE ON ELEVATED METAL DECKS MUST BE POURED TO THE THICKNESS INDICATED.
- F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.

29 HSS4x4x1/4 OUTRIGGERS AT 4'-0" ON CENTER MAXIMUM.  
34 HSS6x6x3/8 HANGER - REFER TO TYPICAL DETAIL.



S3P PROJECT: 8201-207411

[illegible]

A	B	C
	D	E

**SHEET NAME:**  
LOW ROOF  
FRAMING PLAN -  
AREA C

**BID SET** 2024.04.10  
**SUBMISSION:**

SHEET: **S01.31C**

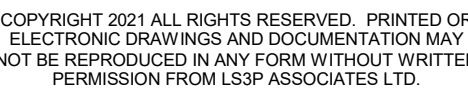
BID SET



**A**



- A. REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
- C. COMPOSITE STEEL BEAM FRAMING MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- D. STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 5'-6" ON-CENTER).
- E. CONCRETE ON ELEVATED METAL DECKS MUST BE POURED TO THE THICKNESS INDICATED.
- F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.



LS3P PROJECT: 8201-207411

[illegible]



THE LINE SHOWN ABOVE IS EXACTLY ONE FOOT LONG. ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.

E

D

C

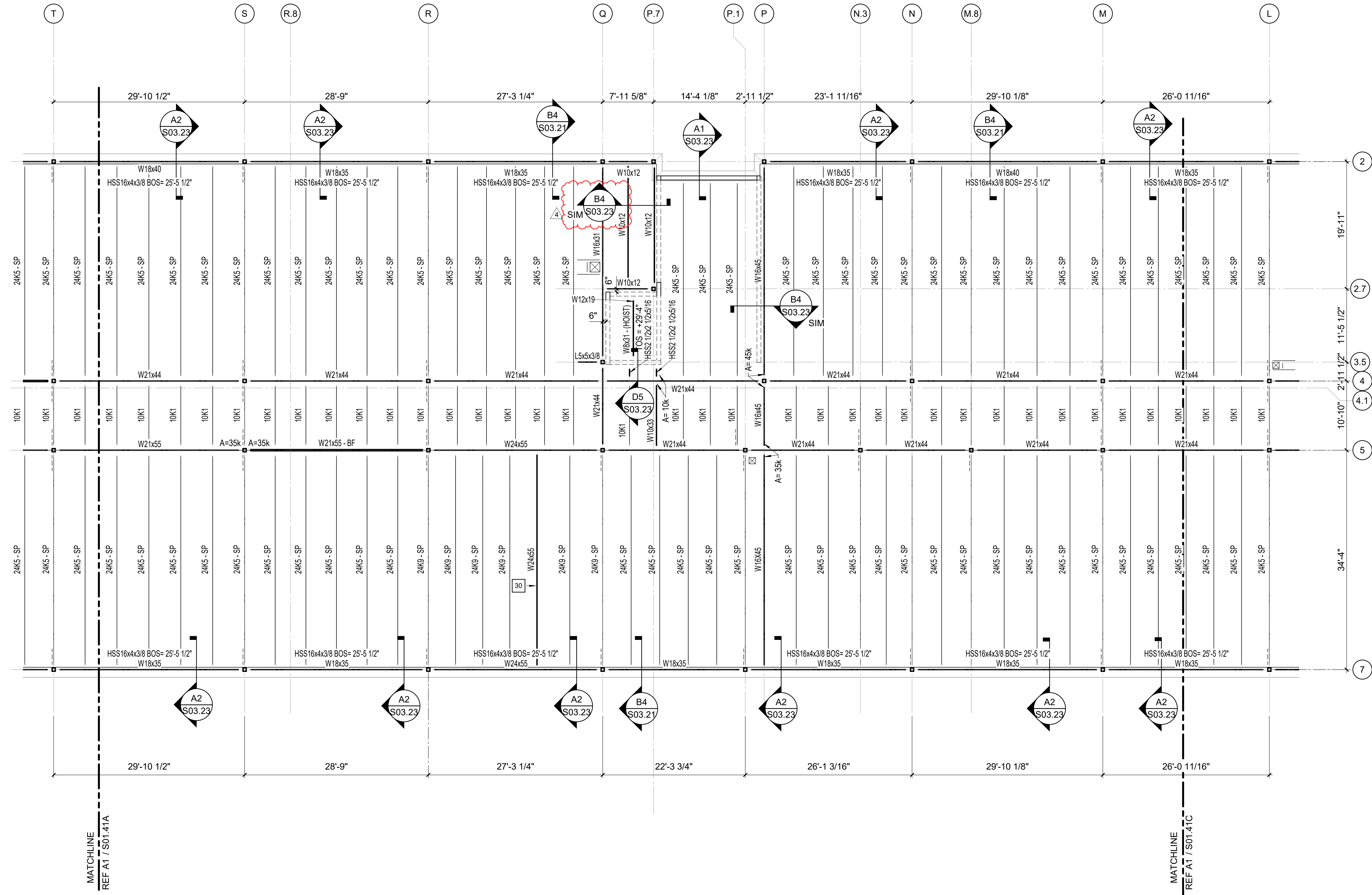
B

A



ROOF FRAMING PLAN - AREA B

1/8" = 1'-0"



FRAMING PLAN NOTES

- REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
- COMPOSITE STEEL BEAM FRAMING MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 5'-6" ON-CENTER).
- CONCRETE ON ELEVATED METAL DECKS MUST BE POURED TO THE THICKNESS INDICATED.
- PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.

KEY NOTES

- STRUCTURAL SUPPORT FOR OPERABLE PARTITION. REFER TO TYPICAL DETAIL. GENERAL CONTRACTOR MUST COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS.



Wake County  
Public School  
System



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



Structural Engineers  
301 N West St., Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LMX-XXX  
Corporation No. C-4360



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD.

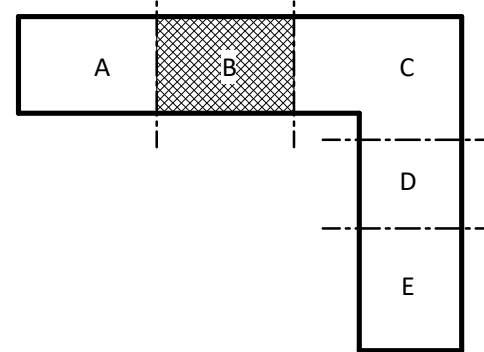
Swift Creek Elementary  
School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

DATE	DESCRIPTION
4/30/24	Addendum 4

KEY PLAN:



SHEET NAME:  
HIGH ROOF  
FRAMING PLAN -  
AREA B

BID SET SUBMISSION: 2024.04.10

SHEET:  
**S01.41B**

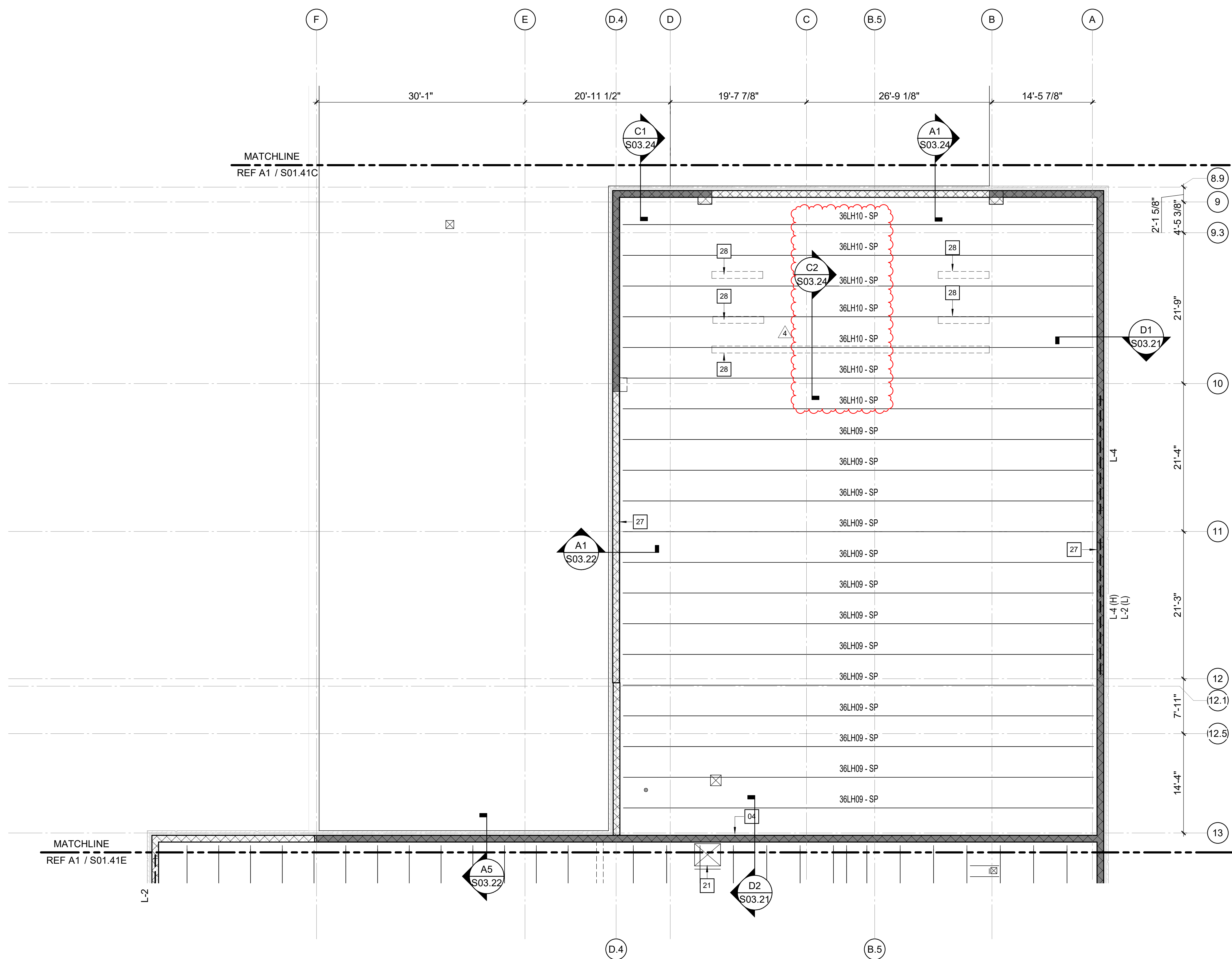
BID SET



**A**



**(A1) ROOF FRAMING PLAN - AREA D**  
1/8" = 1'-0"



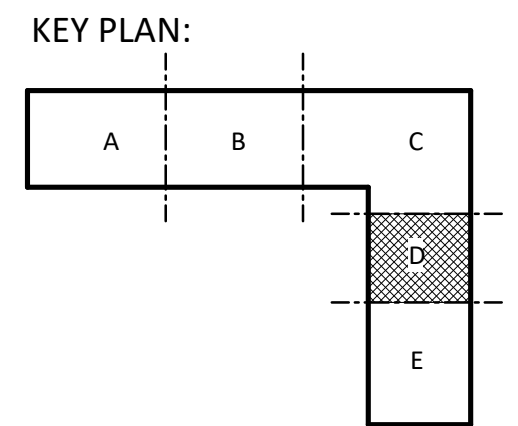
- A. REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
- C. COMPOSITE STEEL BEAM FRAMING MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 8'-6" ON-CENTER).
- D. STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 5'-6" ON-CENTER).
- E. CONCRETE ON ELEVATED METAL DECKS MUST BE POURED TO THE THICKNESS INDICATED.
- F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.

04 12" CMU WALL WITH (2) #5 AT 16" OC (1 EACH FACE) AND #4 AT 24" OC EACH FACE HORIZONTAL.

21 ROOF HATCH.

27 WALL-MOUNTED BASKETBALL GOAL- SOLID GROUT AND REINFORCE MASONRY WALL FULL HEIGHT WITH #5 VERTICAL BARS AT 8" ON-CENTER OVER LENGTH OF GOAL ATTACHMENTS. REFER TO ARCHITECT DRAWINGS FOR EXACT LOCATIONS AND ATTACHMENT POINTS.

28 DIVIDER CURTAIN - REFERENCE ARCHITECTURAL DRAWINGS. JOIST MANUFACTURER TO DESIGN JOISTS FOR POINT LOADS FROM CURTAIN SUPPORTS.

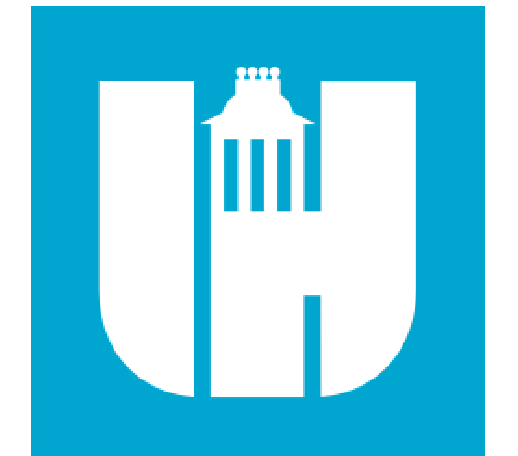
[illegible]

**SHEET NAME:**  
**HIGH ROOF**  
**FRAMING PLAN -**  
**AREA D**

**BID SET** 2024.04.10  
**SUBMISSION:**

**SHEET:**  
**S01.41D**

BID SET



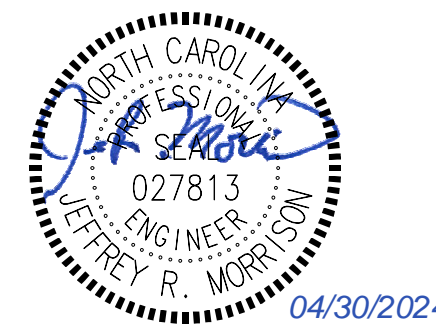
Wake County  
Public School  
System

LS3P

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



**Structural Engineers**  
301 N West St., Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LMXX.XXX  
Corporation No. C-4360



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

# Swift Creek Elementary School

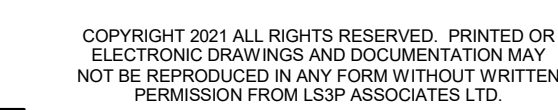
5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

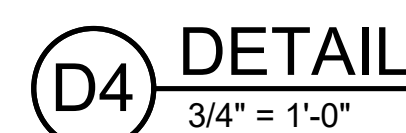








## S3B BBO IECT: 9201 207411

BID SE



THE LINE SHOWN ABOVE IS EXACTLY  
ONE FOOT AND FIVE INCHES  
LONG AND FIVE INCHES  
WIDE

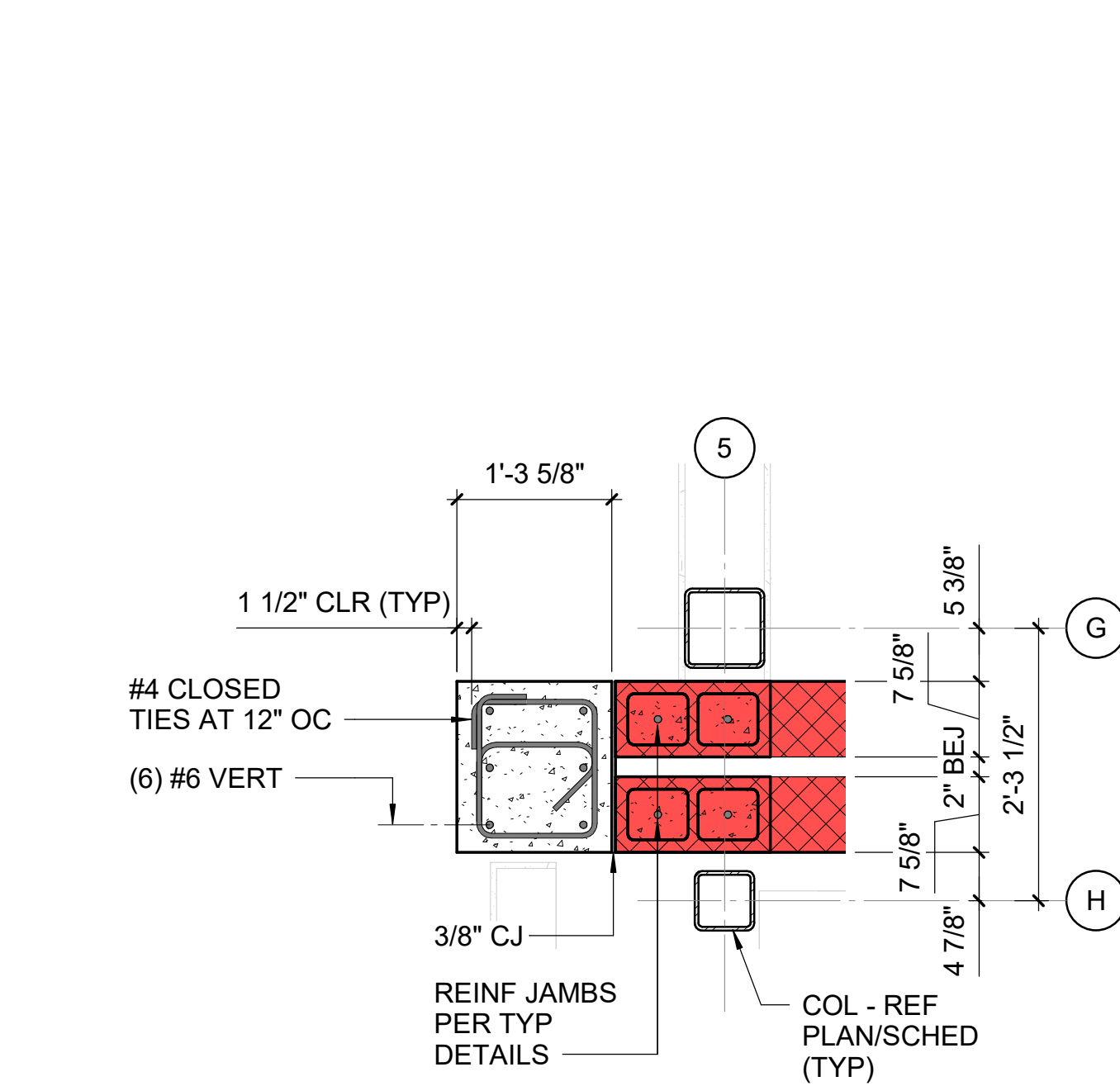
E

D

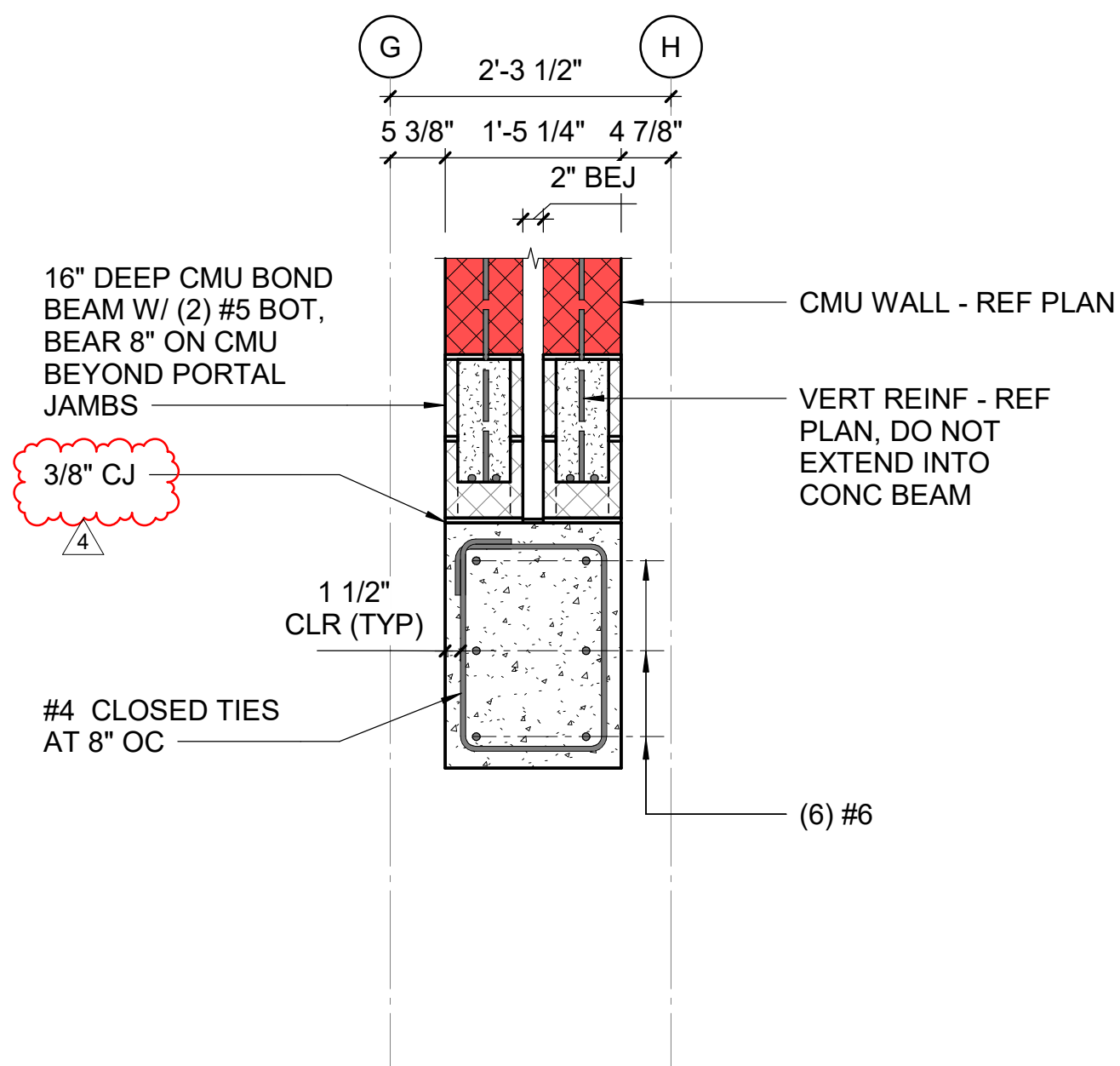
C

B

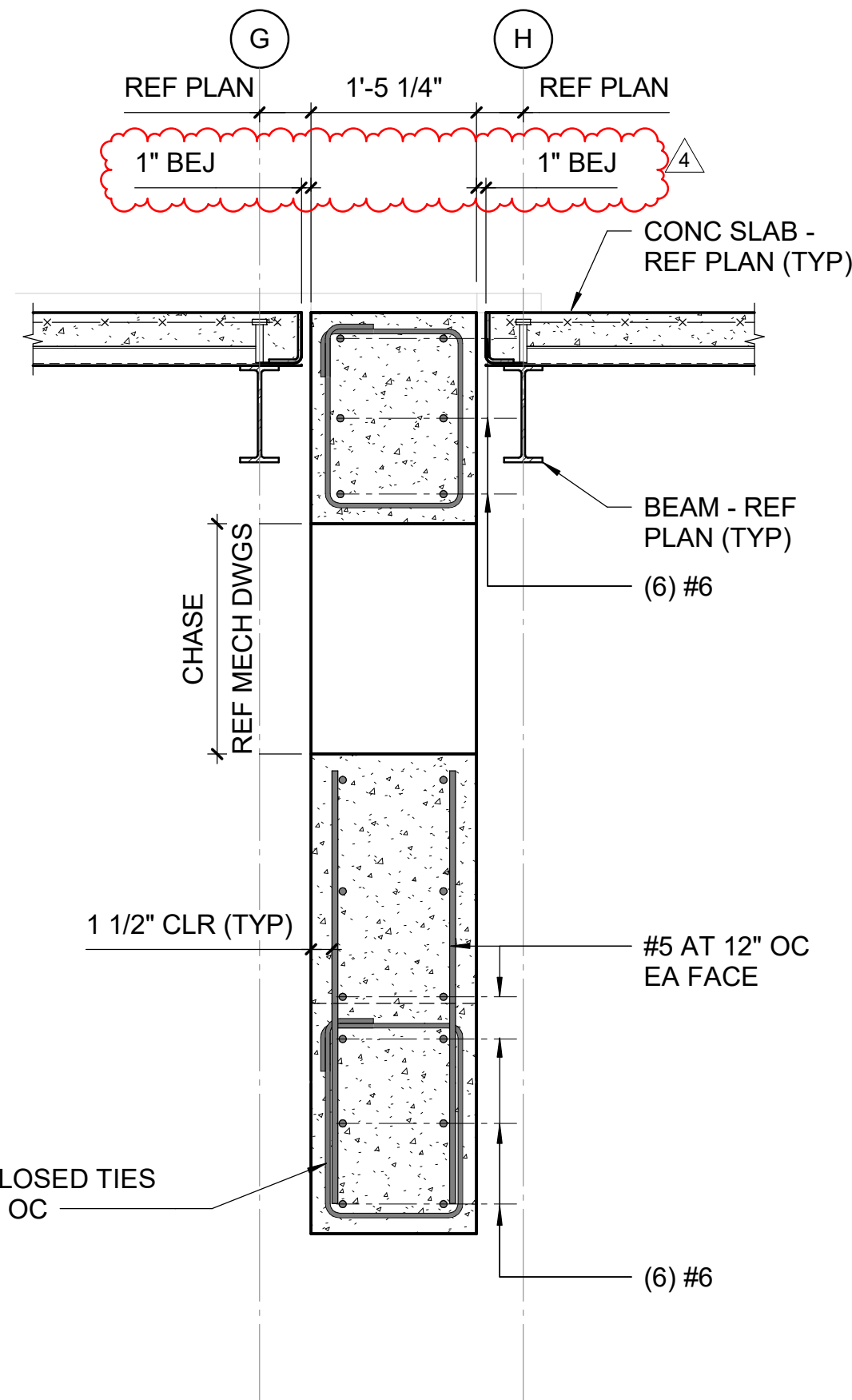
A



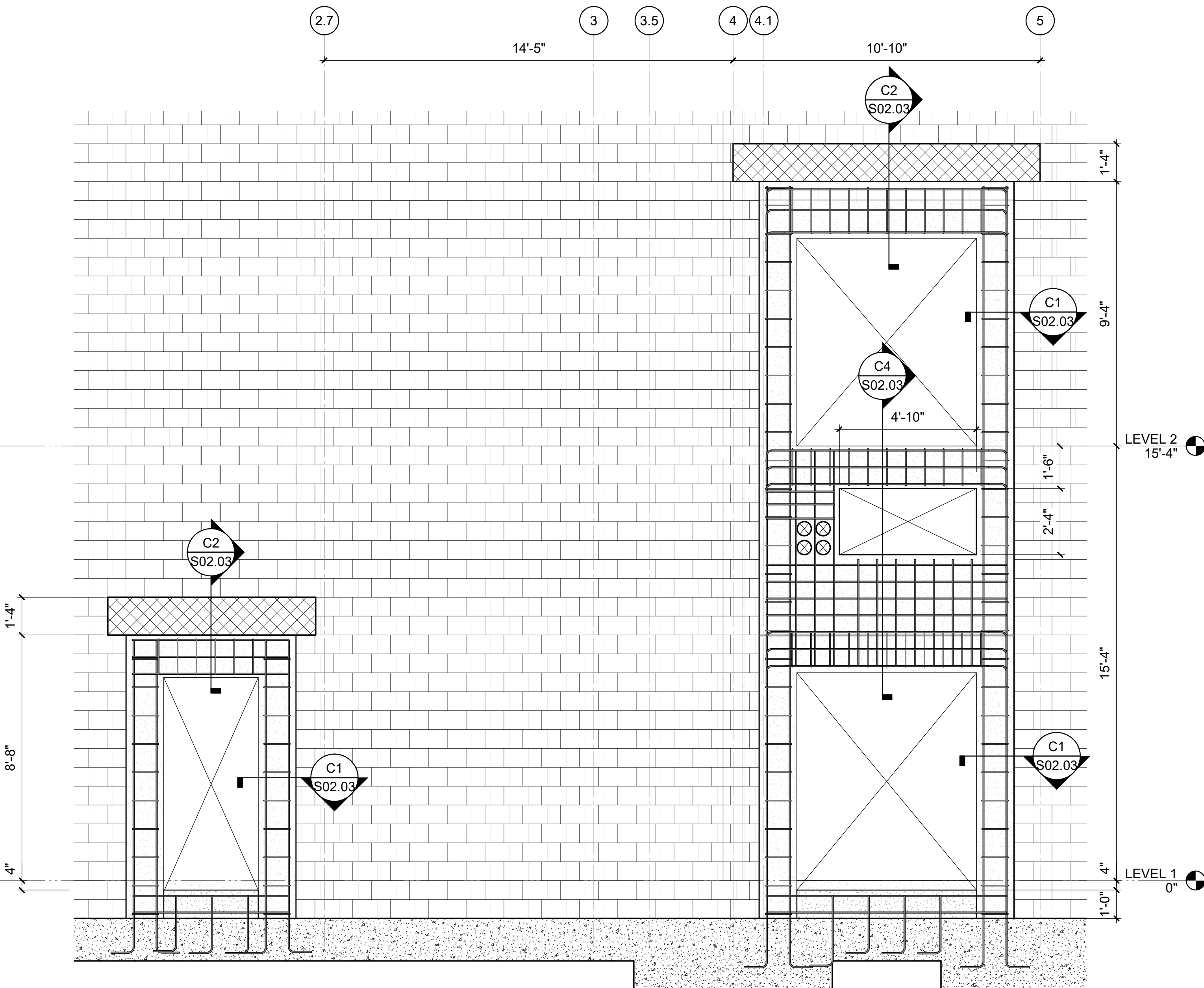
C1 SECTION  
NTS



C2 SECTION  
NTS



C4 SECTION  
NTS



A1 PORTAL FRAME - AREA C  
NTS



Wake County  
Public School  
System



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



Structural Engineers  
301 N West St., Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LMXX.XXX  
Corporation No. C-4360



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

Swift Creek Elementary  
School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 9201-207411

Δ	DATE	DESCRIPTION
4	4/30/24	Addendum 4

SHEET NAME:  
PORTAL  
REINFORCING  
ELEVATION

BID SET SUBMISSION: 2024.04.10

SHEET:  
S02.03

BID SET

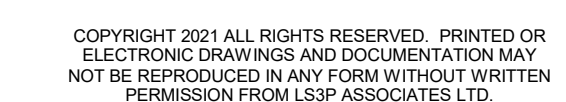


BID SET

REF SECTION A1 / S03.01  
FOR DETAILS NOT NOTED



**A**



## LS3P PROJECT: 8201-207411

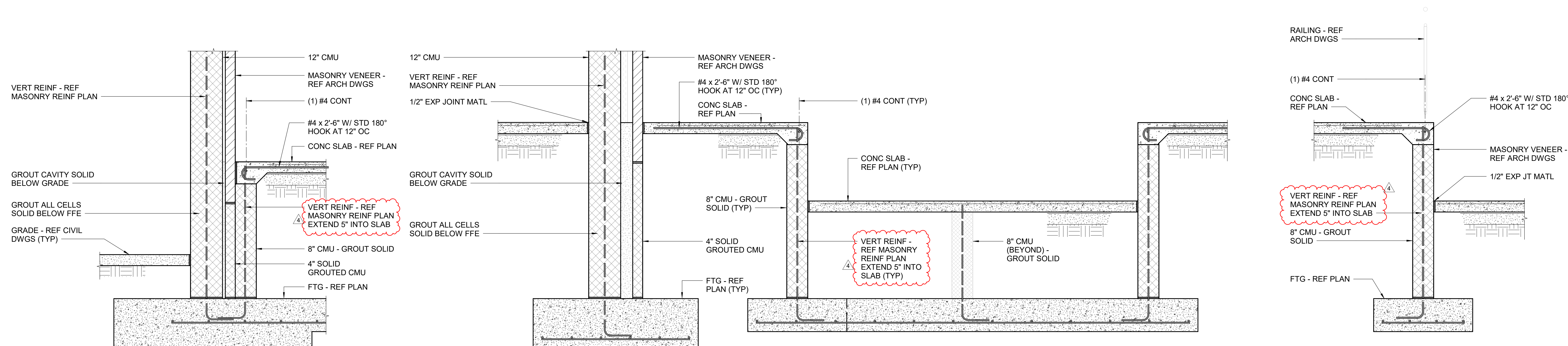
[illegible]

SHEET NAME:  
SECTIONS

**BID SET** 2024.04.10  
**SUBMISSION:**

SHEET: **S03.02**

BID SET

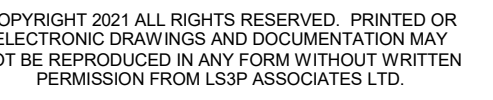


**A1** SECTION  
3/4" = 1'-0"

**A2 SECTION**  
3/4" = 1'-0"

**A5 SECTION**  
3/4" = 1'-0"

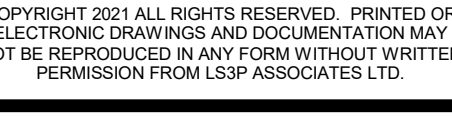




LS3P PROJECT: 8201-207411

**WID SET**

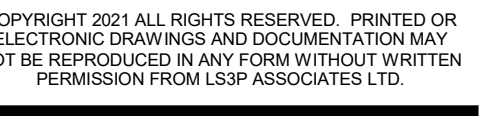




LS3P PROJECT: 8201-207411

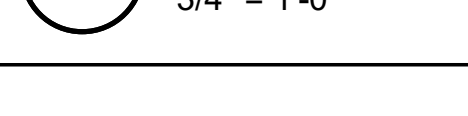
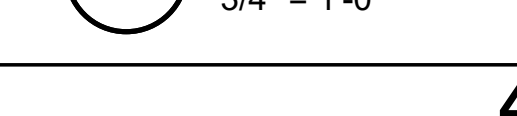
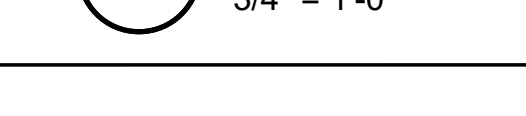
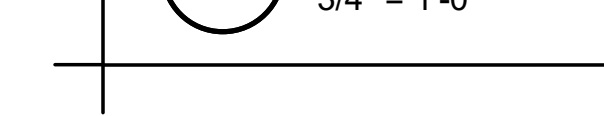
**BID SE**





LS3P PROJECT: 8201-207411

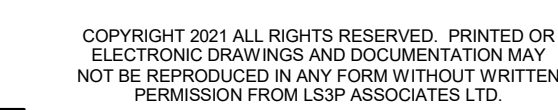
**WID SET**



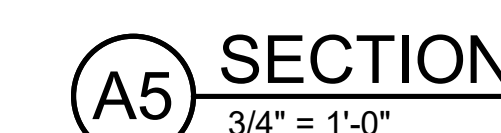
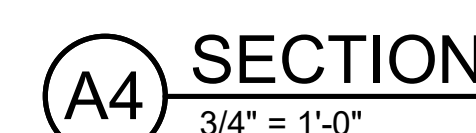
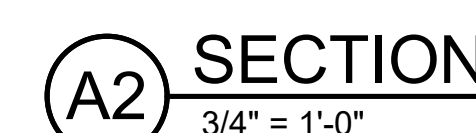
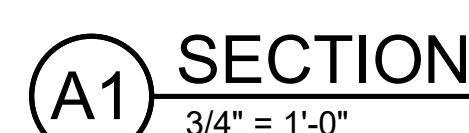
A

6

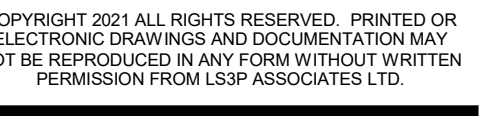




## S3B PBO IECT: 9301 207411

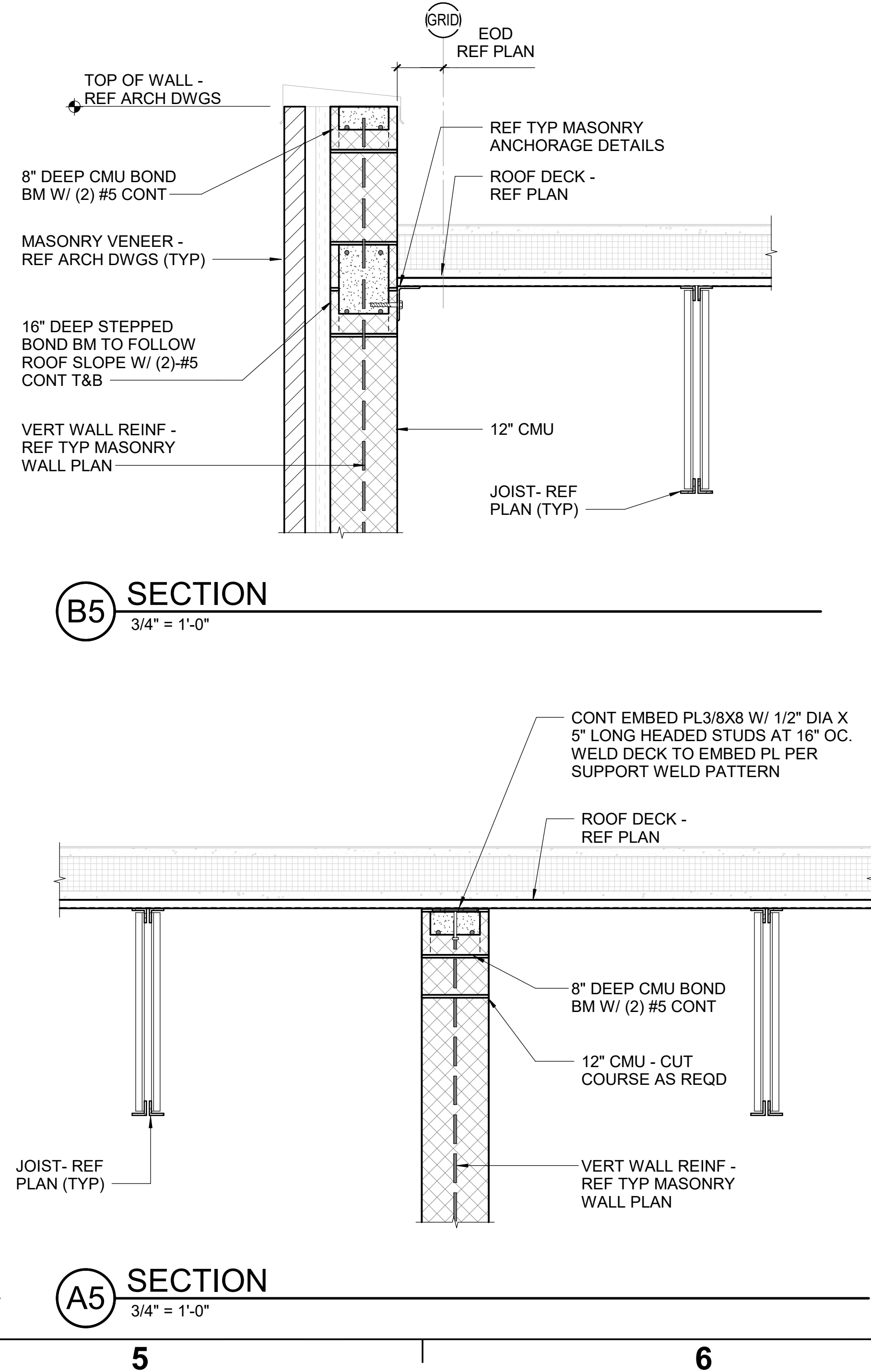
BID SET





## LS3P PROJECT: 8201-207411

**WID SET**















REF PLAN

PL 1/4 (TYP)

L4x4x1/4 ANGLE

1/2"  $\varnothing$  A325-N BOLT

TYP 3/16

COLUMN WEB PARALLEL

COLUMN WEB PERPENDICULAR

The image contains two sets of technical drawings for a column-to-beam connection. The left set is labeled 'INTERMEDIATE' and the right set is labeled 'TOP'. Both sets include a main view and a detail callout.

**INTERMEDIATE View:**

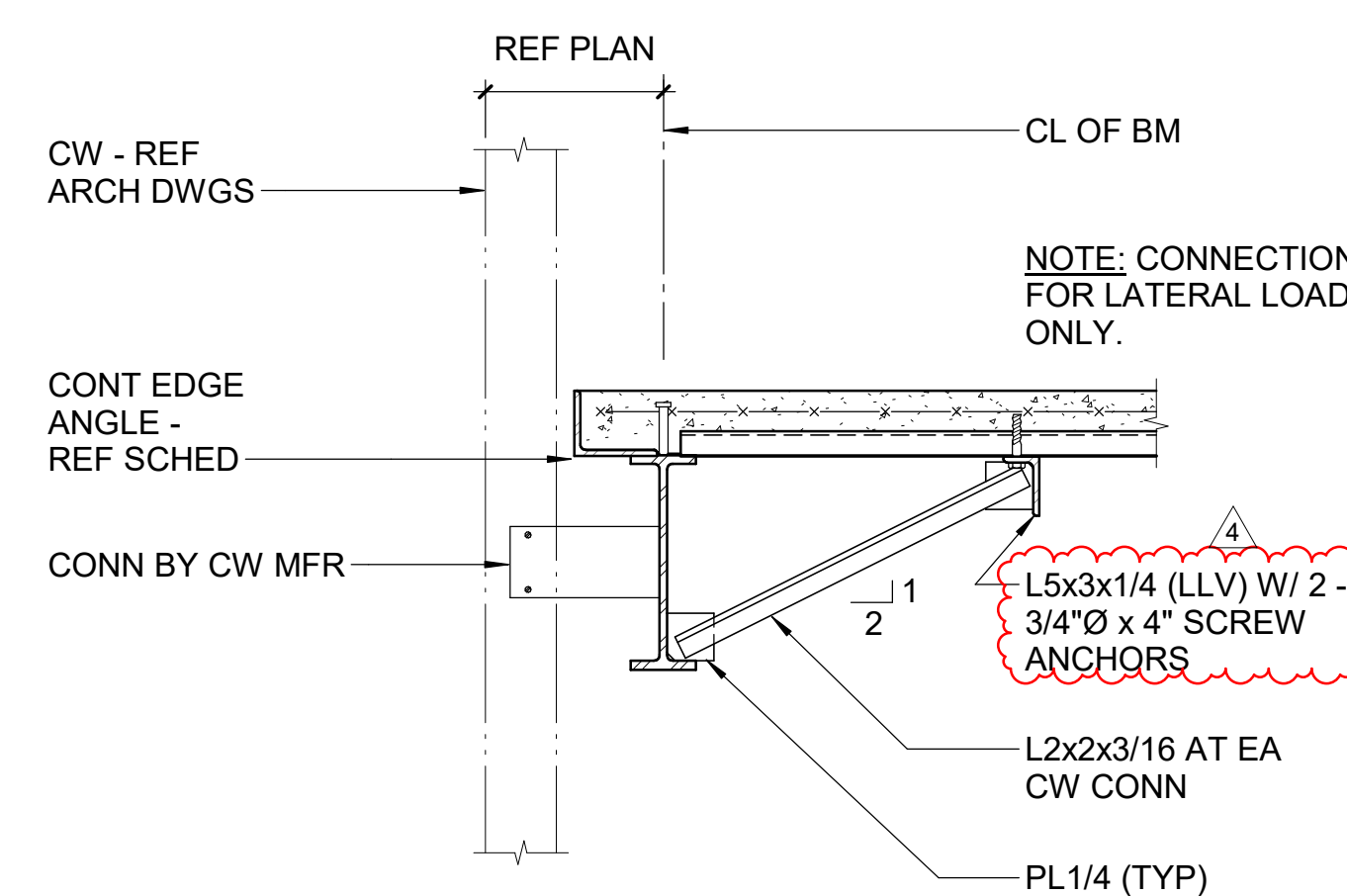
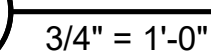
- Main View:** Shows a cross-section of the column and beam. Labels include 'CL OF COL' (Center Line of Column), 'TAB PLATE' (Tab Plate), 'STD THRU PLATE CONN' (Standard Through Plate Connection), 'BM' (Beam), and 'COL' (Column).
- Detail A:** A circular detail callout labeled 'A' showing a cross-section of the tab plate. The label 'TAB PLATE AS REQD' (Tab Plate as Required) is present.

**TOP View:**

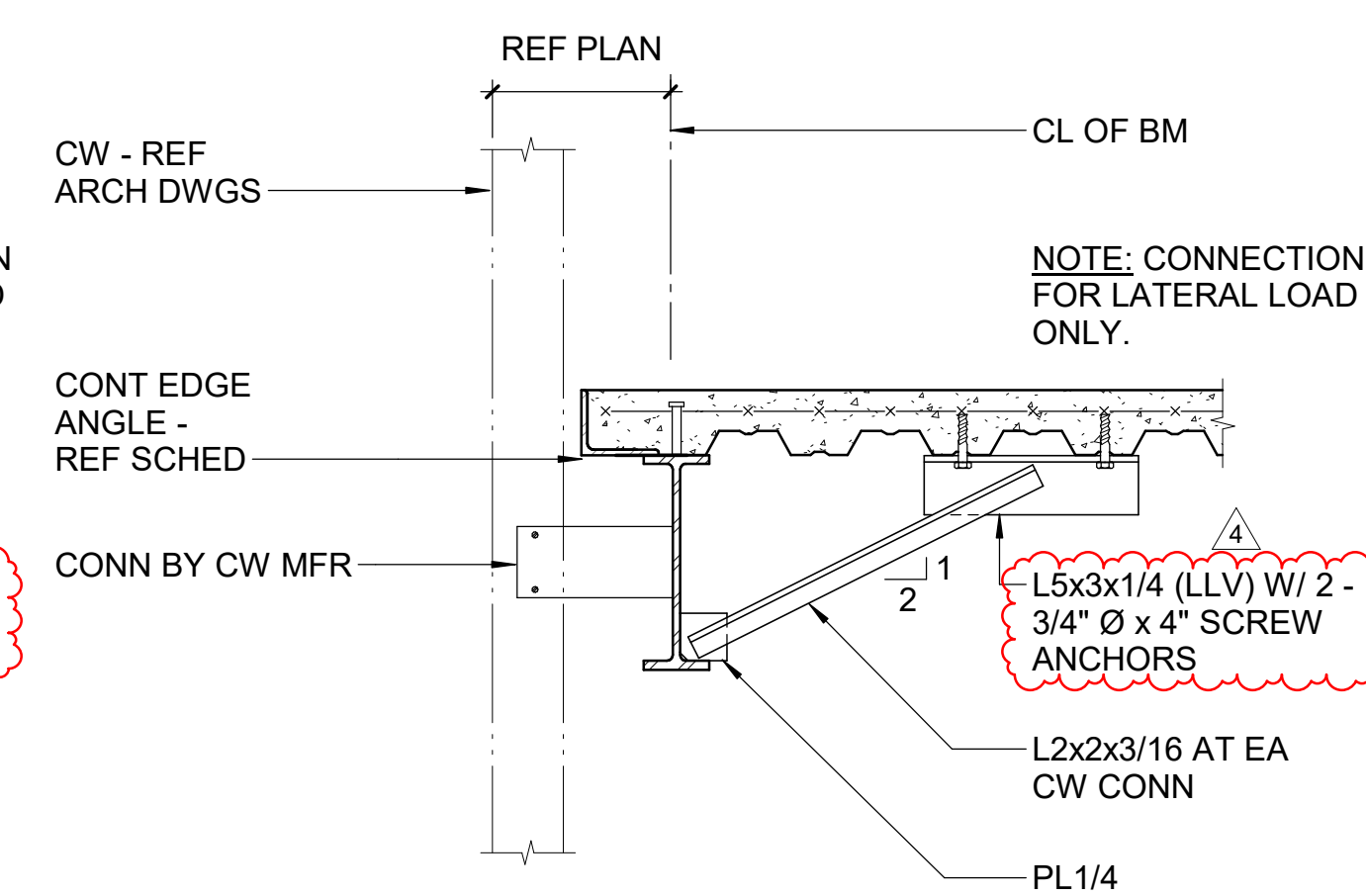
- Main View:** Shows a top-down view of the connection. Labels include 'CL OF COL', 'CAP PL 1/2' (Cap Plate 1/2), 'STD THRU PLATE CONN', 'BM', and 'COL'.
- Detail B:** A circular detail callout labeled 'B' showing a cross-section of the tab plate. The label 'TAB PLATE AS REQD' is present.

Both detail callouts (A and B) include a '1/4' scale indicator and a 'TYP' (Typical) note.

---

1

PERPENDICULAR



PARALLEL

LOCATE WITHIN MIDDLE

1/3 OF BM SPAN AND WITHIN MIDDLE 1/3 OF BM DEPTH

BM - REF PLAN

DEPTH

D/3

D/3

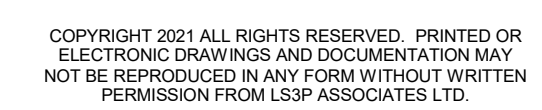
D/3

PIPE SLEEVE - I.D. MIN 1" LARGER THAN O.D. OF PIPE (MAX I.D. = D/3)

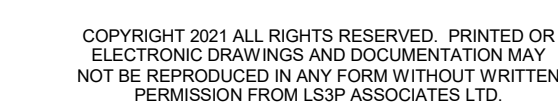
Diagram illustrating the elevation view of a roof edge detail. The components and dimensions shown are:

- GRID**: Indicated by a circle at the top center.
- REF PLAN**: Reference line for the main roof structure.
- ROOF DECK - REF PLAN**: Reference line for the roof deck.
- JOIST BEYOND - REF PLAN**: Reference line for the joist beyond the main structure.
- L5x5x3/8**: Dimension for the L-shaped steel member.
- 3/16**: Dimension for the thickness of the roof deck.
- FLAG PL 1/4x3x3 (TYP)**: Dimension for the flag plate.
- COL - REF PLAN**: Reference line for the column.
- TYP**: Typical section indicator.

---

BID SET





S3P PROJECT: 8201-207411

[illegible]

BID SET



## NTS



(A3)





THIS LINE INDICATES THE EXACTLY ONE FOOT FROM THE CENTER OF THE COLUMN. ALL DIMENSIONS SHALL BE IN FEET AND INCHES.

E

Column Locations	HIGH ROOF 30'-8"		LOW ROOF 22'-6"		LEVEL 2 15'-4"		LEVEL 1 0"		Column Locations
A-1					HSS6x6x3/8		BP-C		A-1
A-2.5					HSS6x6x3/8		BP-C		A-2.5
A-4.1					HSS6x6x3/8		BP-C		A-4.1
A-6					HSS6x6x3/8		BP-C		A-6
A-14					HSS6x6x3/8		BP-B		A-14
A-15					HSS6x6x3/8		BP-B		A-15
B-1					HSS6x6x3/8		BP-C		B-1
B-6					HSS6x6x3/8		BP-C		B-6
B-8.1					HSS6x6x3/8		BP-A		B-8.1
B-8.9					HSS6x6x3/8		BP-A		B-8.9
B.5-1					HSS6x6x3/8		BP-C		B.5-1
B.5-3					HSS6x6x3/8		BP-B		B.5-3
B.5-6					HSS6x6x3/8		BP-B		B.5-6
C-14					HSS6x6x3/8		BP-B		C-14
C-15					HSS6x6x3/8		BP-B		C-15
D-1					HSS6x6x3/8		BP-B		D-1
D-2.1					HSS6x6x3/8		BP-C		D-2.1
D-4.1					HSS6x6x3/8		BP-C		D-4.1
D-6					HSS6x6x3/8		BP-B		D-6
D-8.9					HSS6x6x3/8		BP-B		D-8.9
D.4-12.1					HSS6x6x1/2		BP-B		D.4-12.1
E-2					HSS6x6x3/8		BP-A		E-2
E-4					HSS6x6x3/8		BP-A		E-4
E-5					HSS6x6x3/8		BP-D		E-5
E-7					HSS6x6x3/8		BP-D		E-7
E-8					HSS6x6x3/8		BP-A		E-8
E-9					HSS6x6x3/8		BP-A		E-9
E-10					HSS6x6x3/8		BP-A		E-10
E-11					HSS6x6x3/8		BP-A		E-11
E-12					HSS6x6x3/8		BP-A		E-12
E-13					HSS6x6x3/8		BP-A		E-13
E.8-2					HSS6x6x3/8		BP-D		E.8-2
F-8					HSS6x6x3/8		BP-A		F-8

D

Column Locations	HIGH ROOF 30'-8"		LOW ROOF 22'-6"		LEVEL 2 15'-4"		LEVEL 1 0"		Column Locations
F-8.5					HSS6x6x3/8		BP-A		F-8.5
F-9.3					HSS6x6x3/8		BP-A		F-9.3
F-10					HSS6x6x3/8		BP-A		F-10
F-11					HSS6x6x3/8		BP-A		F-11
F-12.5					HSS6x6x3/8		BP-A		F-12.5
F-13					HSS6x6x3/8		BP-A		F-13
G-2					HSS6x6x3/8		BP-A		G-2
G-4					HSS6x6x3/8		BP-B		G-4
G-5					HSS6x6x3/8		BP-A		G-5
G-7					HSS6x6x3/8		BP-D		G-7
G-8					HSS6x6x3/8		BP-A		G-8
H-2					HSS6x6x3/8		BP-A		H-2
H-4					HSS6x6x3/8		BP-A		H-4
H-5					HSS6x6x3/8		BP-A		H-5
H-5.5					HSS6x6x3/8		BP-A		H-5.5
J-2					HSS6x6x3/8		BP-A		J-2
J-4					HSS6x6x3/8		BP-A		J-4
J-5					HSS6x6x3/8		BP-A		J-5
J-7					HSS6x6x3/8		BP-A		J-7
K-2					HSS6x6x3/8		BP-A		K-2
K-4					HSS6x6x3/8		BP-A		K-4
K-5					HSS6x6x3/8		BP-A		K-5
K-7					HSS6x6x3/8		BP-A		K-7
L-2					HSS6x6x5/8		BP-A		L-2
L-4					HSS6x6x3/8		BP-A		L-4
L-5					HSS6x6x3/8		BP-A		L-5
L-7					HSS6x6x3/8		BP-A		L-7
M-2					HSS6x6x3/8		BP-A		M-2
M-4					HSS6x6x3/8		BP-A		M-4
M-5					HSS6x6x3/8		BP-A		M-5
M-7					HSS6x6x3/8		BP-A		M-7
M.8-5					HSS6x6x3/8		BP-A		M.8-5
N-2					HSS6x6x3/8		BP-A		N-2

C

Column Locations	HIGH ROOF 30'-8"		LOW ROOF 22'-6"		LEVEL 2 15'-4"		LEVEL 1 0"		Column Locations
N-4					HSS6x6x3/8		BP-A		N-4
N-7					HSS6x6x3/8		BP-A		N-7
N.3-5					HSS6x6x3/8		BP-A		N.3-5
P-2					HSS6x6x3/8		BP-A		P-2
P-4					HSS6x6x3/8		BP-A		P-4
P.1-5					HSS6x6x3/8		BP-A		P.1-5
P.1-7					HSS6x6x5/8		BP-A		P.1-7
P.7-2					HSS6x6x3/8		BP-A		P.7-2
P.7-2.7					HSS6x6x3/8		BP-A		P.7-2.7
Q-2					HSS6x6x3/8		BP-A		Q-2
Q-3.5					HSS6x6x3/8		BP-A		Q-3.5
Q-5					HSS6x6x3/8		BP-A		Q-5
Q-7					HSS6x6x3/8		BP-A		Q-7
R-2					HSS6x6x5/8		BP-A		R-2
R-4					HSS6x6x5/8		BP-A		R-4
R-5					HSS6x6x3/8		BP-D		R-5
R-7					HSS6x6x3/8		BP-A		R-7
S-2					HSS6x6x3/8		BP-A		S-2
S-4					HSS6x6x3/8		BP-A		S-4
S-5					HSS6x6x5/8		BP-D		S-5
S-7					HSS6x6x3/8		BP-A		S-7
T-2					HSS6x6x3/8		BP-A		T-2
T-4					HSS6x6x3/8		BP-D		T-4
T-5					HSS6x6x3/8		BP-A		T-5
T-7					HSS6x6x3/8		BP-A		T-7
U-2					HSS6x6x5/8		BP-D		U-2
U-4					HSS6x6x5/8		BP-D		U-4
U-5					HSS6x6x3/8		BP-A		U-5
U-7					HSS6x6x3/8		BP-A		U-7
V-2					HSS6x6x3/8		BP-A		V-2
V-4					HSS6x6x3/8		BP-A		V-4
V-5					HSS6x6x3/8		BP-A		V-5
V-7					HSS6x6x3/8		BP-A		V-7

B

COLUMN SCHEDULE

1/8" = 1'-0"

A

1

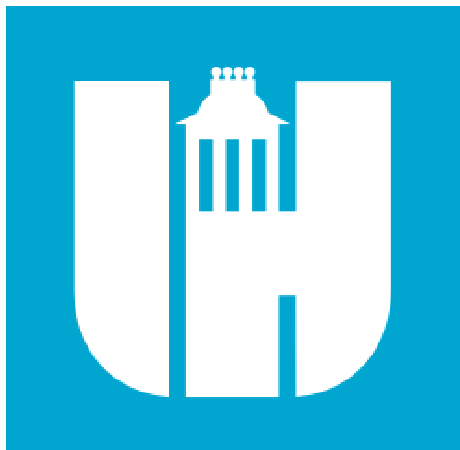
2

3

4

5

6



Wake County  
Public School  
System



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



Structural Engineers  
301 N West St., Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LXXX.XXX  
Corporation No. C-4360



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

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

DATE	DESCRIPTION
4/30/24	Addendum 4

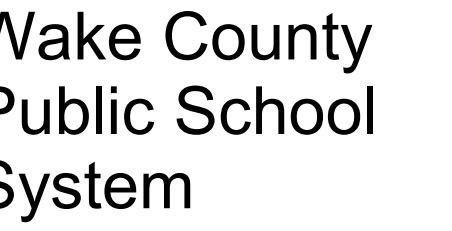
SHEET NAME:  
COLUMN  
SCHEDULE

BID SET SUBMISSION: 2024.04.10

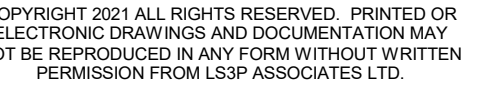
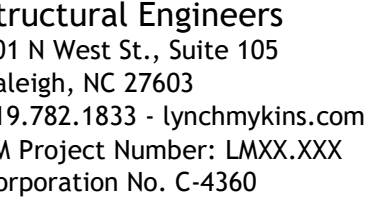
SHEET:  
S06.01

BID SET





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



5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

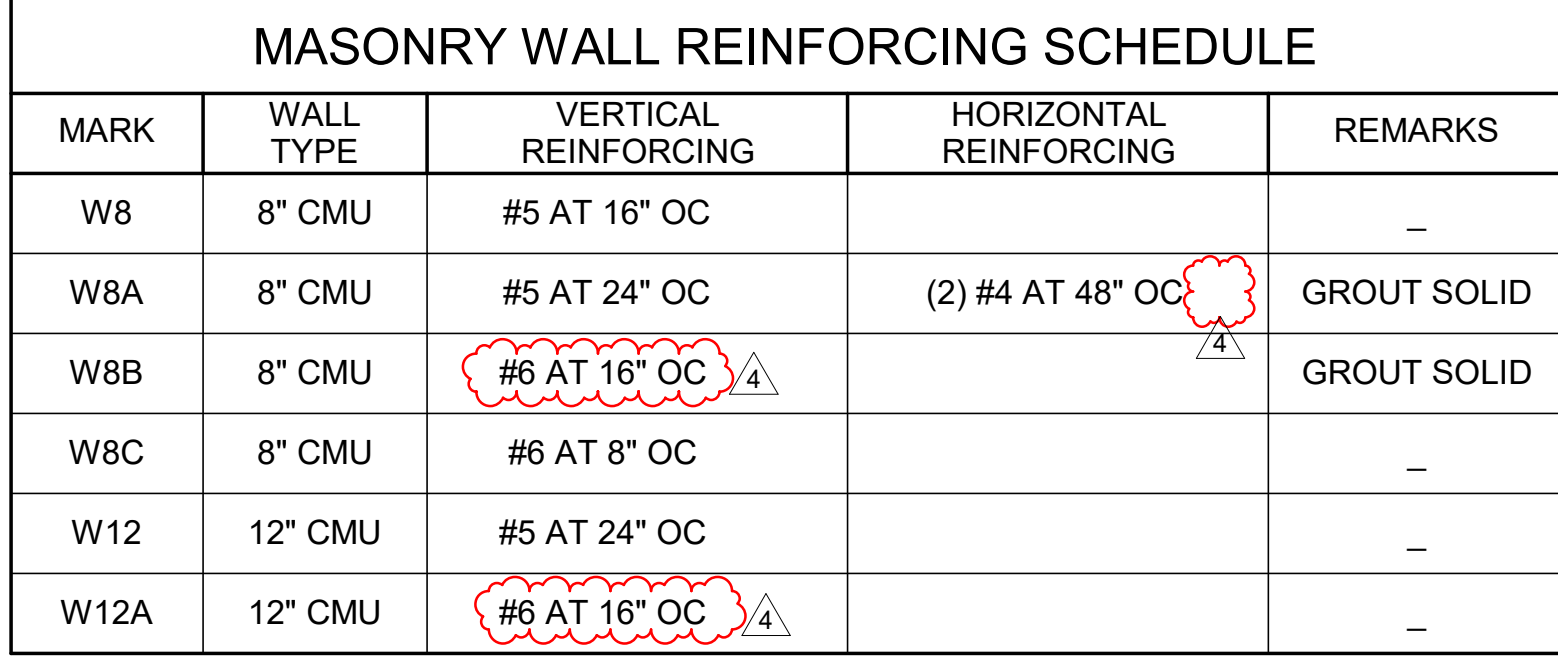
[illegible]

HEET NAME:  
MASONRY WALL  
REINFORCING  
PLAN

**ID SET** 2024.04.10  
**SUBMISSION:**

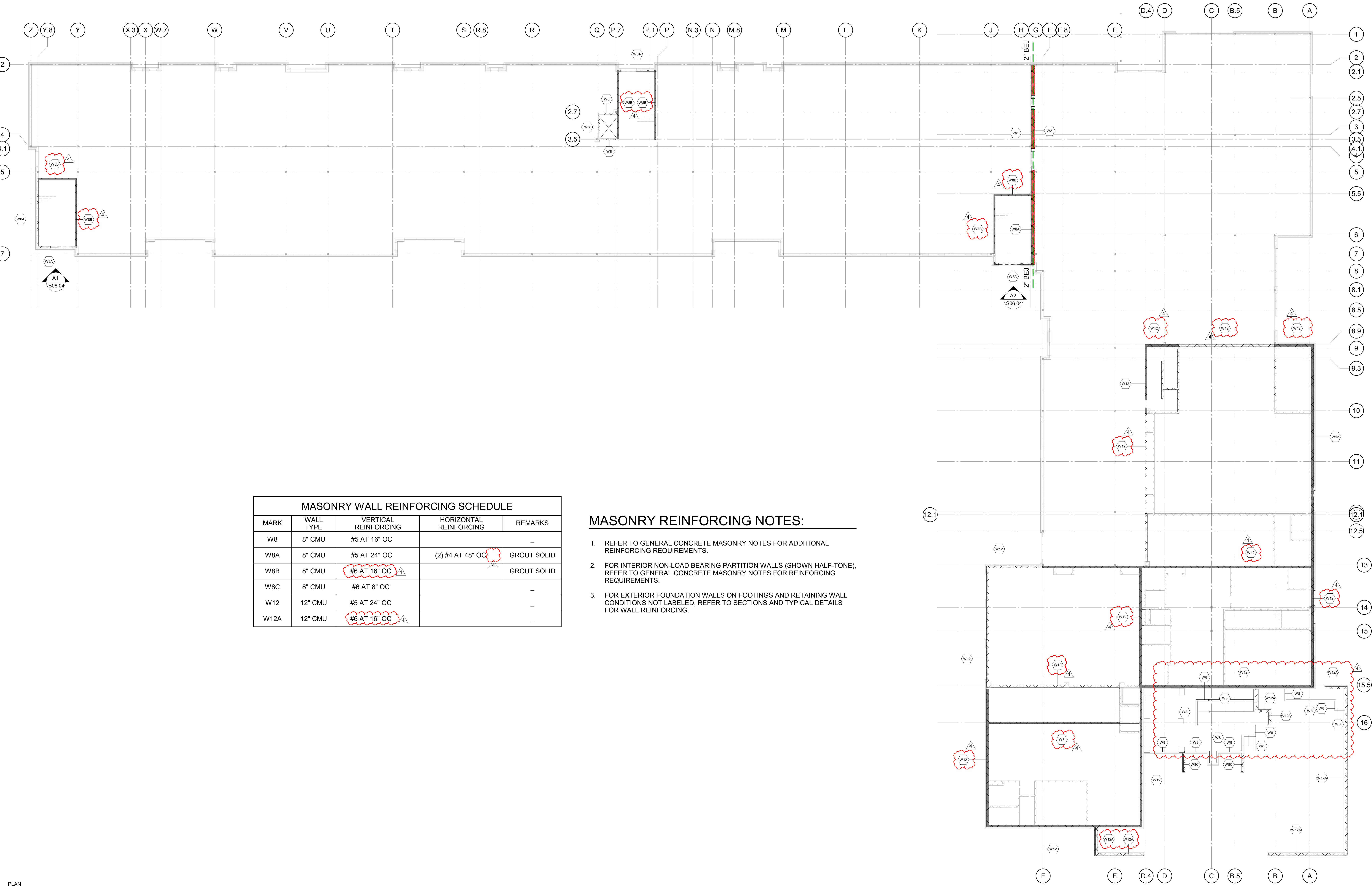
HEET: **S06.03**

## BID SET



MASONRY REINFORCING NOTES:

1. REFER TO GENERAL CONCRETE MASONRY NOTES FOR ADDITIONAL REINFORCING REQUIREMENTS.
2. FOR INTERIOR NON-LOAD BEARING PARTITION WALLS (SHOWN HALF-TONE), REFER TO GENERAL CONCRETE MASONRY NOTES FOR REINFORCING REQUIREMENTS.
3. FOR EXTERIOR FOUNDATION WALLS ON FOOTINGS AND RETAINING WALL CONDITIONS NOT LABELED, REFER TO SECTIONS AND TYPICAL DETAILS FOR WALL REINFORCING.



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

## E

D

C

**B**

**A**



**(A1) MASONRY WALL REINFORCING PLAN**  
1/16" = 1'-0"

1

2

3

4

5

6



THE LINE SHOWN ABOVE IS EXACTLY  
ONE FOOT AND FIVE EIGHTS  
OF AN INCH IN SIZE

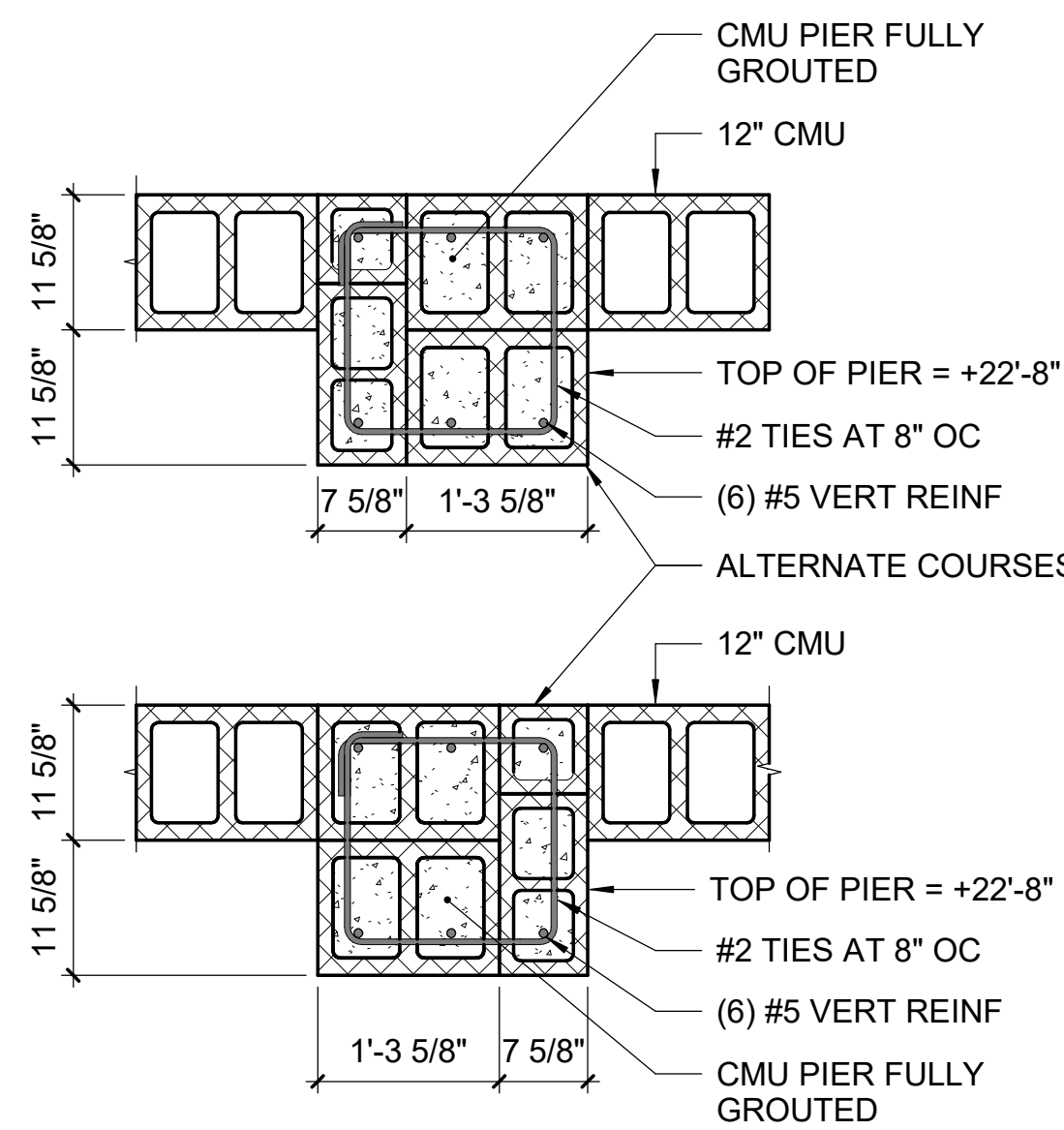
E

D

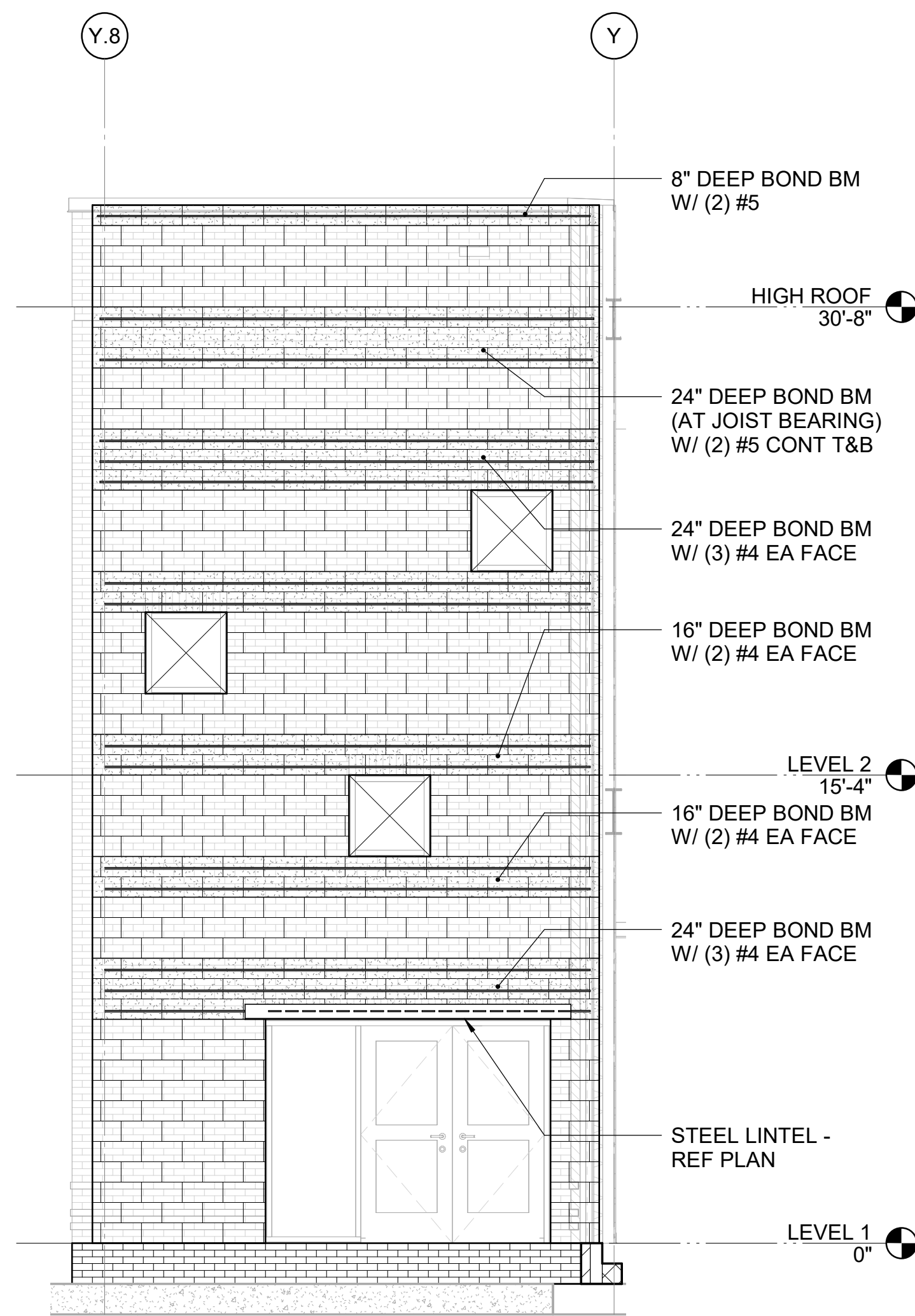
C

B

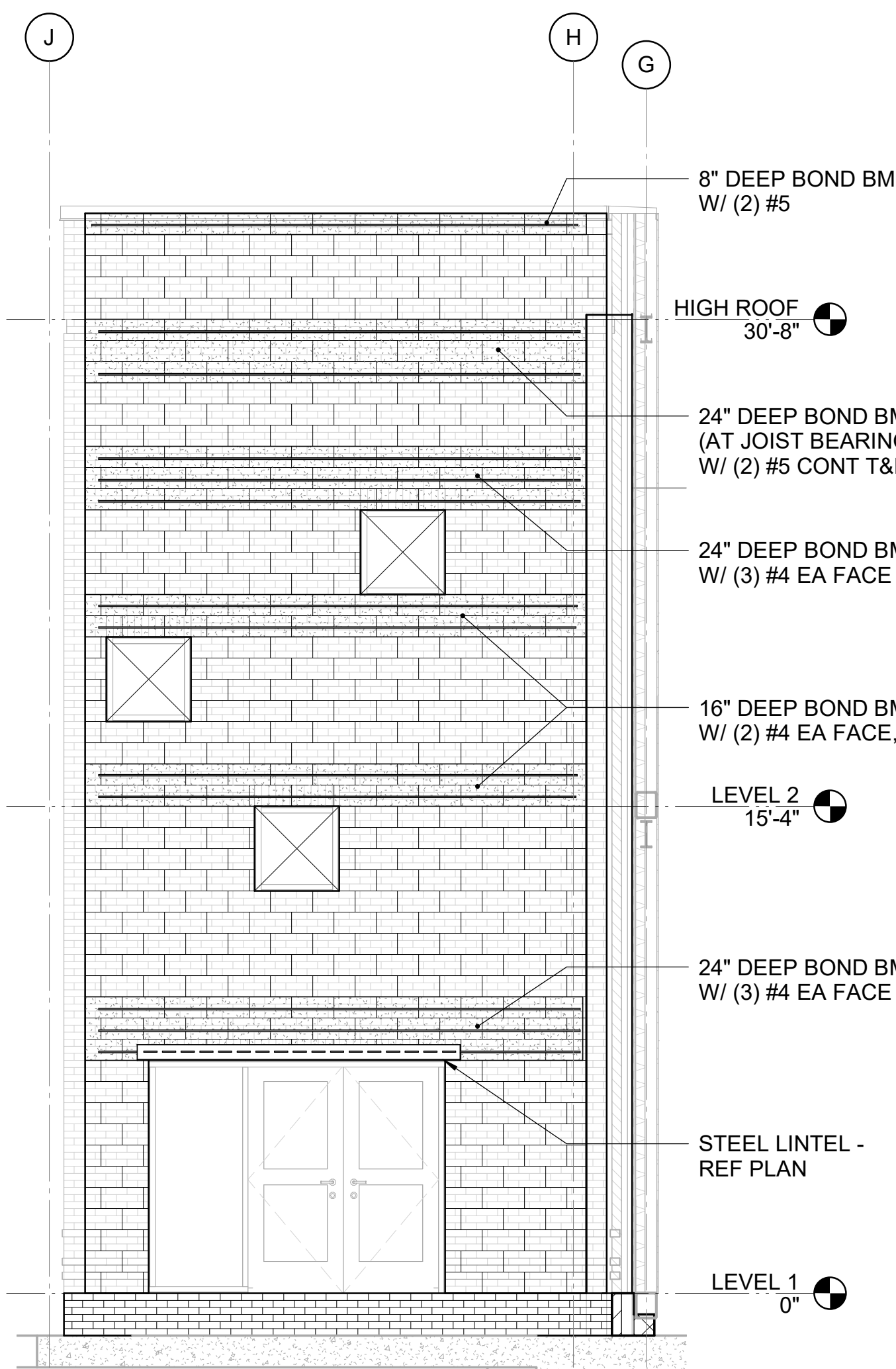
A



C1 PLAN DETAIL  
3/4" = 1'-0"



A1 ELEVATION  
1/4" = 1'-0"



A2 ELEVATION  
1/4" = 1'-0"



Wake County  
Public School  
System



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



Structural Engineers  
301 N West St., Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LMXX,XXX  
Corporation No. C-4360



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

Swift Creek Elementary  
School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

A	DATE	DESCRIPTION
4	4/30/24	Addendum 4

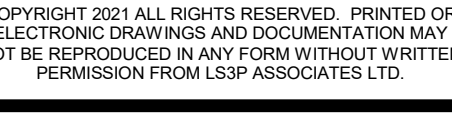
SHEET NAME:  
MASONRY WALL  
REINFORCING  
ELEVATIONS

BID SET SUBMISSION: 2024.04.10

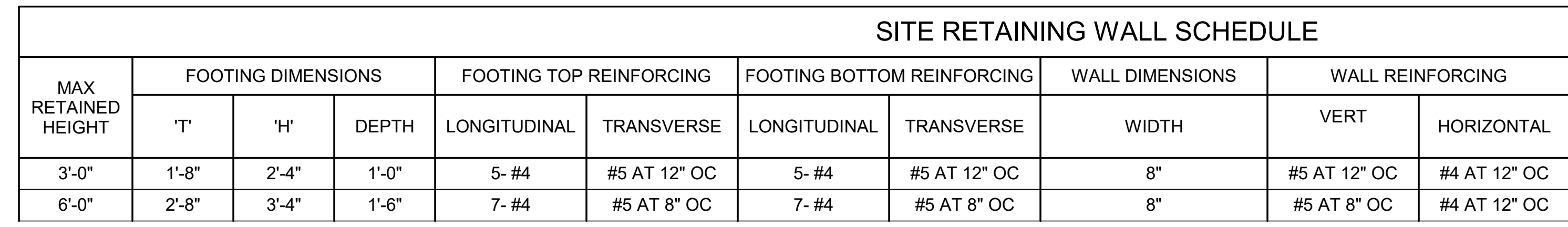
SHEET:  
S06.04

BID SET



[illegible]

ID SE


$$3/4'' = 1'-0$$


- $$\frac{3}{4}'' = 1'-0''$$

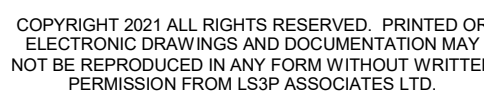






**A**

	TPS	TOILET PAPER FOLDER	CONTRACTOR	CONTRACTOR	FOR
	TS31M	TOILET STALL- MENS- ACCESSIBLE	CONTRACTOR	CONTRACTOR	
	TS31W	TOILET STALL- WOMENS- ACCESSIBLE	CONTRACTOR	CONTRACTOR	
	TS32M	TOILET STALL- MENS- AMBULATORY	CONTRACTOR	CONTRACTOR	
	TS32W	TOILET STALL- WOMENS- AMBULATORY	CONTRACTOR	CONTRACTOR	
	TS33M	TOILET STALL- MENS	CONTRACTOR	CONTRACTOR	
	TS33W	TOILET STALL- WOMENS- STANDARD	CONTRACTOR	CONTRACTOR	
US1	URINAL SCREEN	CONTRACTOR	CONTRACTOR		

[illegible]

BID SE

ACCESSIBLE CHILDREN'S (TYP.) FLOOR MOUNTED TOILET (GRADES K-5)







A

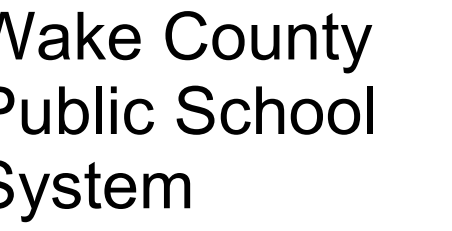
10

COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED ON  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

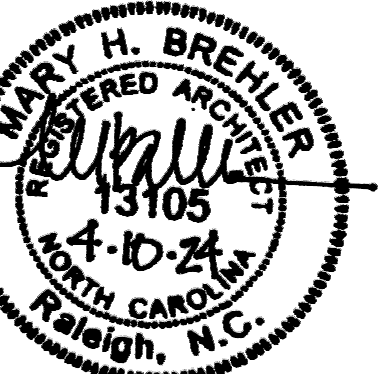
**Swift Creek Elementary School**  
5601 Tryon Rd Raleigh, NC 27606

BID SE





34 FAYETTEVILLE STREET SUITE 170  
RALEIGH, NORTH CAROLINA 27601  
TEL. 919.829.2700 FAX. 919.829.2733  
WWW.LS3P.COM

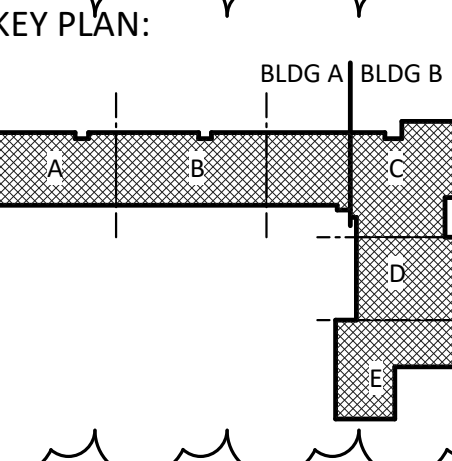


COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED ON  
 ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
 NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
 PERMISSION FROM LS3P ASSOCIATES LTD.

# Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27608

LS3P PROJECT: 8201-207411

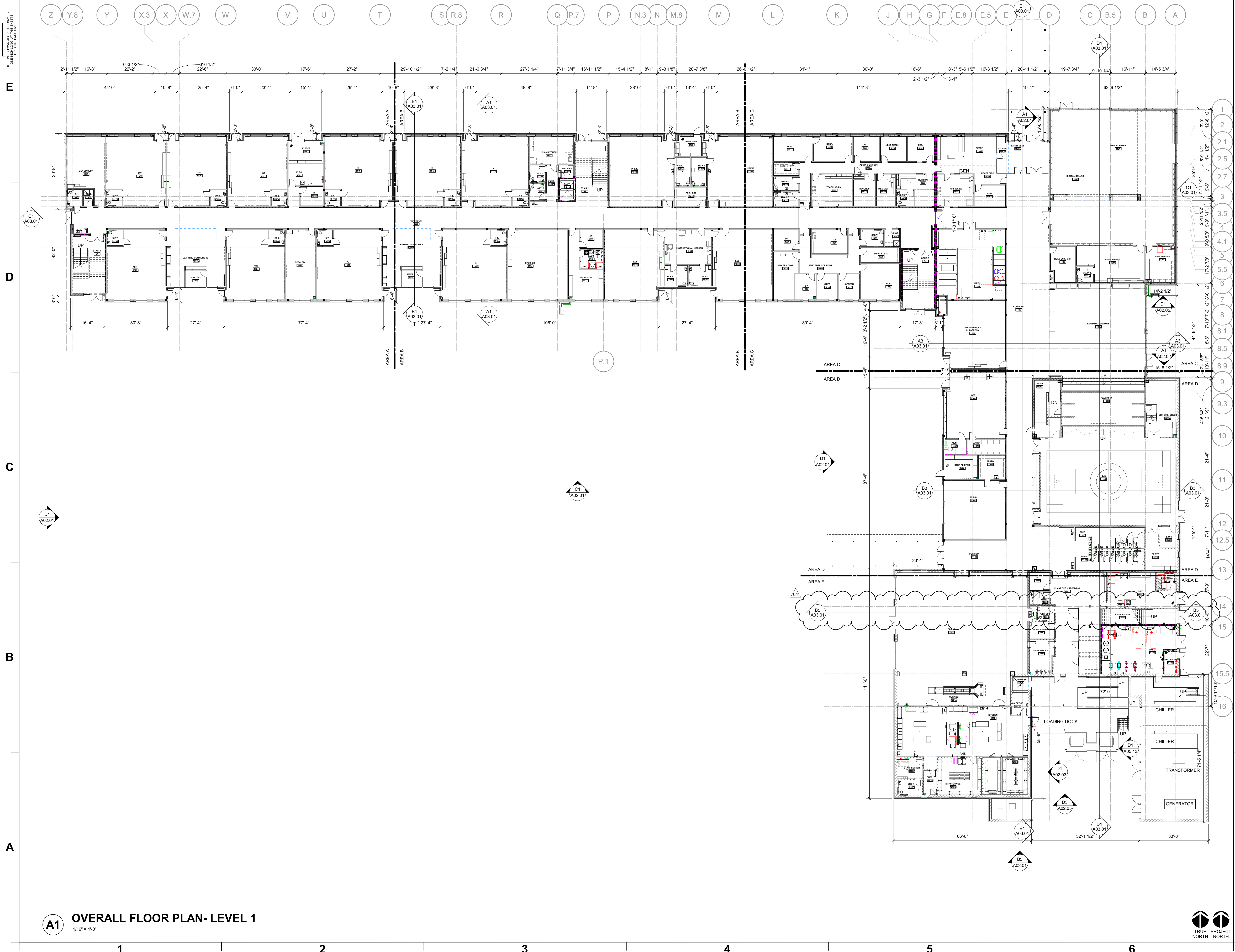
[illegible]

HEET NAME:  
FLOOR PLAN-  
LEVEL 1

DATE SET: 2024.04.1  
SUBMISSION:

HEET: **A01.01**

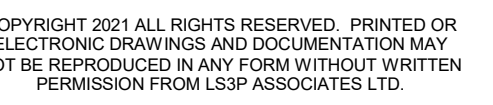
## BID SET



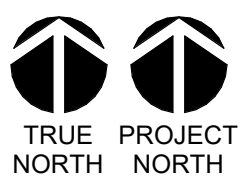
**A1** **OVERALL FLOOR PLAN- LEVEL 1**  
1/16" = 1'-0"

$$1/16'' = 1'-0''$$
$$1/16'' = 1'-0''$$





**LS3P PROJECT: 8201-207411**

[illegible]











THE LINE INDICATES THE EXACTLY  
ONE FOOT AND FIVE INCHES  
FOOT AND FIVE INCHES

E

D

C

B

A



**A1 RCP- PARTIAL- LEVEL 1 - AREA C**

1/8" = 1'-0"

1

2

3

4

5

6

**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	BUILDING ELEMENTS
GYP CEILING GB21	CEILING TYPE GB2110'-0
MOISTURE RESISTANT GYP CEILING GB22	HEIGHT ABOVE LEVEL (NOT FINISH FLOOR) 10'-0
FIRE RESISTANT GYP CEILING GB22	24' x 24' ACCESS PANEL
24'x24' ACOUSTIC TILE CEILING SYSTEM NRC ACT-1	EXHAUST AIR DIFFUSER (ORTHOGONAL HATCH)
24'x24' ACOUSTIC TILE CEILING SYSTEM ACT-2	RETURN AIR GRILLE (DIAGONAL HATCH)
24'x24' VINYL FACED ACOUSTIC TILE CEILING SYSTEM ACT-3	SUPPLY AIR GRILLE (CROSSHATCH)
24'x24' ACOUSTIC TILE CEILING SYSTEM W/ IMPACT RESISTANT CLIPS ACT-4	LIGHT FIXTURE (SHADED)
WOOD CEILING SYSTEM WCP-1	LINEAR PENDANT LIGHT
O.T.S. OPEN TO STRUCTURE	LINEAR RECESSED LIGHT
O.T.A. OPEN TO ABOVE	1 X 4 LED FIXTURE
PA / INTERCOM SPEAKER, SEE ELEC.	WALL MOUNTED LED FIXTURE
	LED FIXTURE
	TRACK LIGHTING
	SPRINKLER HEAD
	SMOKE DETECTOR, SEE ELEC.
	HEAT DETECTOR, SEE ELEC.
	HORN/STROBE, SEE ELEC.
	STROBE, SEE ELEC.
	SECURITY CAMERA, SEE ELEC.
	CEILING MTD, EXIT SIGN

REF: CEILING TAGS AND SPECIFICATIONS

SYMBOL SHAPES WILL VARY

**REFLECTED CEILING PLAN SHEET NOTES**

- PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE
- CLASSIFICATIONS C, D, E & F
- INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
- 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.
- 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.
- 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.
- 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).
- 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.
- LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
- 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.
- HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE 1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
- TOUCH-UP PAINT EXPOSED EDGES OF CUT ACOUSTICAL CEILING TILE TO MATCH SURFACE(TYP).
- 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.
- GYPSUM BOARD SOFFITS TO BE PAINTED PNT-1 UNLESS NOTED OTHERWISE ON CEILING PLANS.

**PARTITION GRAPHICS**

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

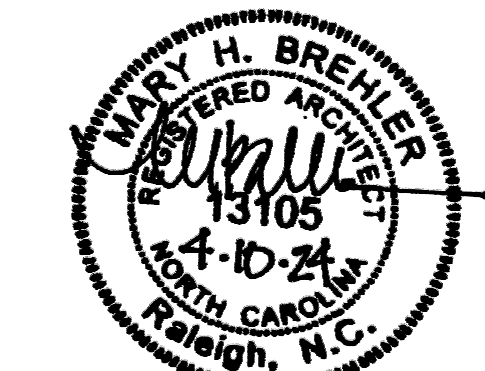
- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK
- NON-RATED SMOKE PARTITION TO DECK
- RATED SMOKE BARRIER TO DECK
- RATED FIRE PARTITION TO DECK
- RATED FIRE/SMOKE BARRIER TO DECK
- RATED FIRE BARRIER TO DECK
- RATED FIRE WALL TO DECK



Wake County  
Public School  
System

**LS3P**

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



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES, LTD.

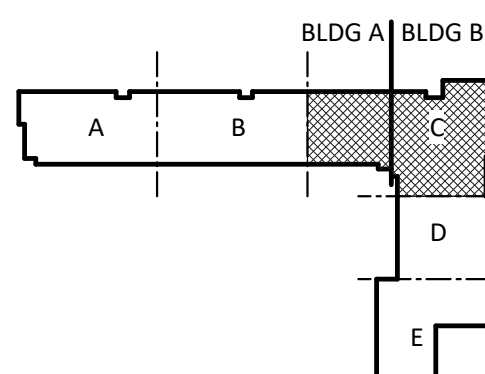
**Swift Creek Elementary  
School**

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 8201-207411

DATE	DESCRIPTION
03/2024.04.24	ADDENDUM #3
04/2024.05.01	ADDENDUM #4

**KEY PLAN:**



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

**BID SET  
SUBMISSION:** 2024.04.10

**SHEET:**  
**A01.11C**

BID SET



D SET



## A01.11E



## A01.12A

2. 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 A6S 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



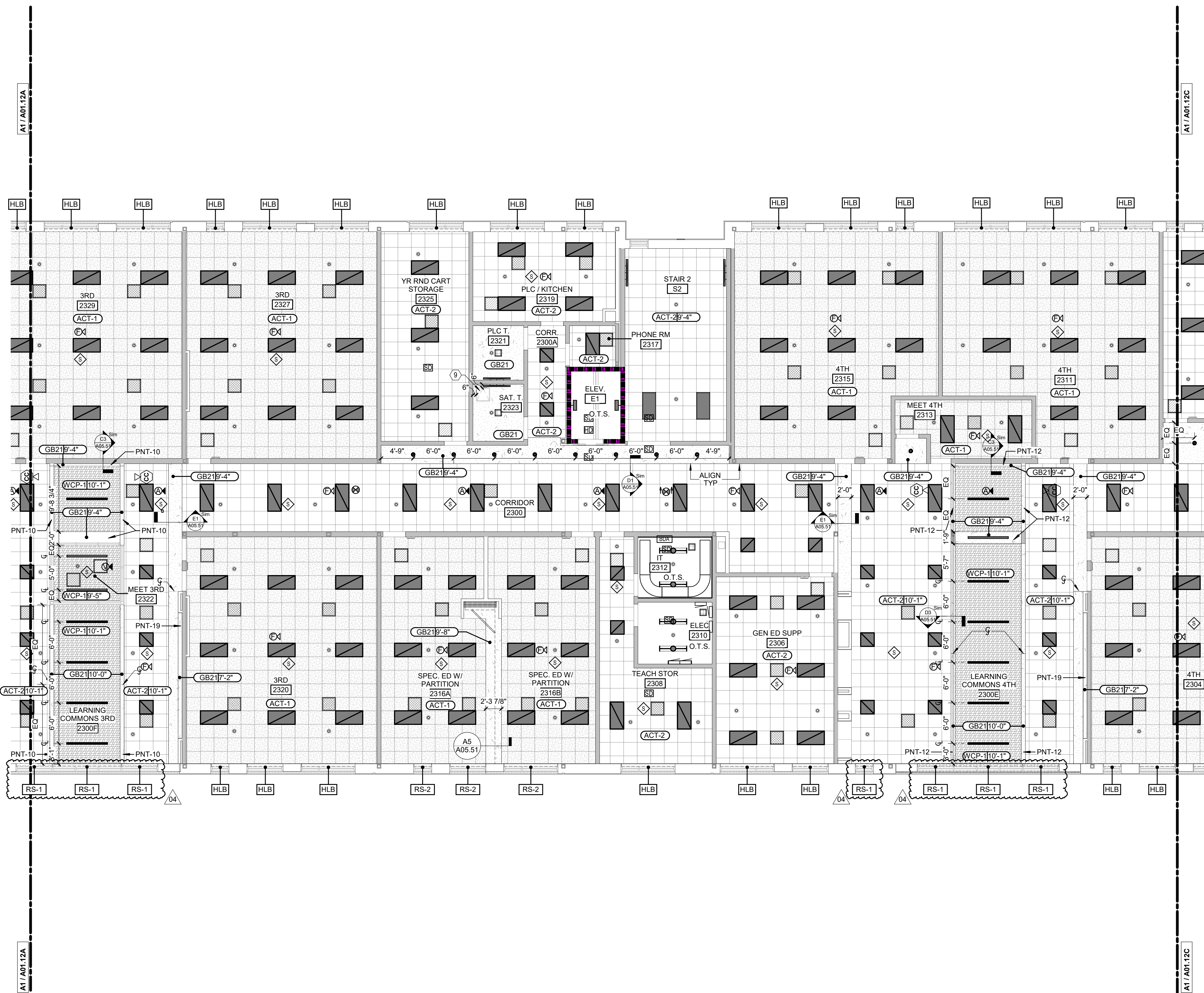
**A**

$$1/8'' = 1'-0''$$

6

Legend for smoke and fire ratings:









- 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

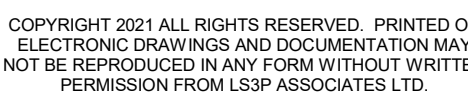




A

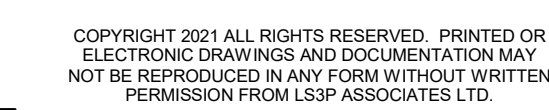
## 6

<u>COLOR LEGEND</u>	
	NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
	NON-RATED PARTITION TO DECK
	NON-RATED <b>SMOKE</b> PARTITION TO DECK
	RATED <b>SMOKE</b> BARRIER TO DECK
	RATED <b>FIRE</b> PARTITION TO DECK
	RATED <b>FIRE/SMOKE</b> BARRIER TO DECK
	RATED <b>FIRE</b> BARRIER TO DECK
	RATED <b>FIRE</b> WALL TO DECK



BID SE





## BID SET





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

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

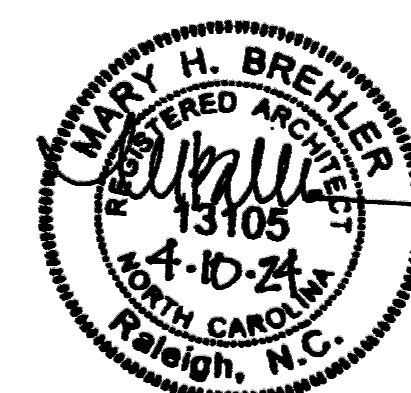
**A1 ENLARGED FLOOR PLAN - AREA D GROUP TOILETS**  
1/4" = 1'-0"

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

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

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

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

[illegible]

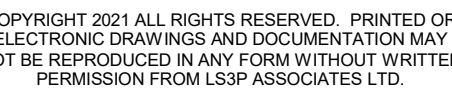
**SHEET NAME:**  
ENLARGED TOILET  
ROOM PLANS AND  
ELEVATIONS

**BID SET** 2024.04.10  
**SUBMISSION:**

**SHEET:**

## A04.12





**LS3P PROJECT: 8201-207411**

**WID SE**

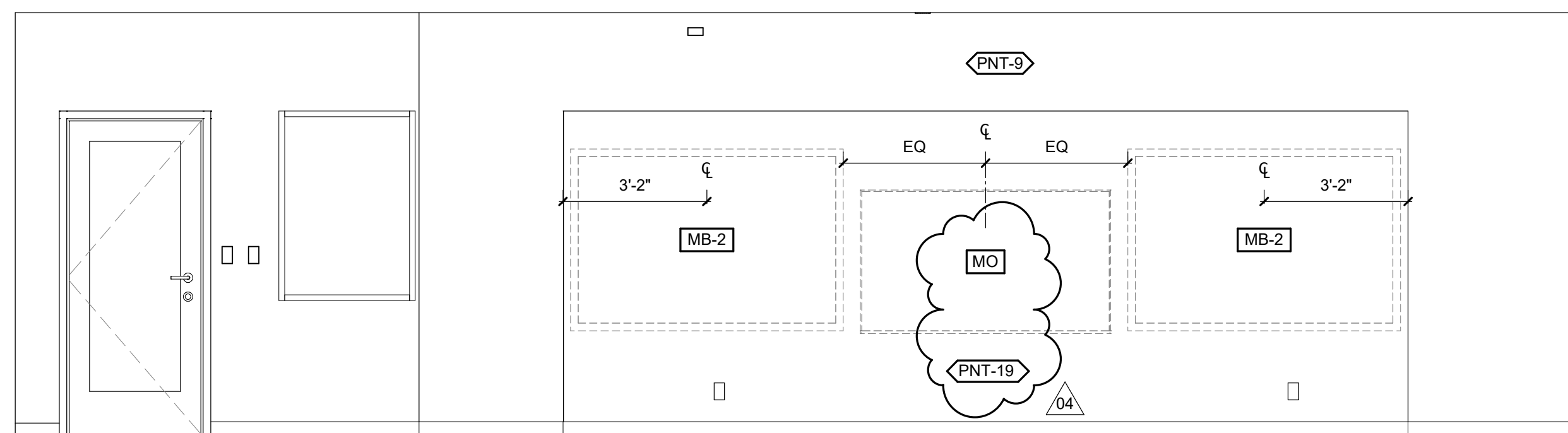




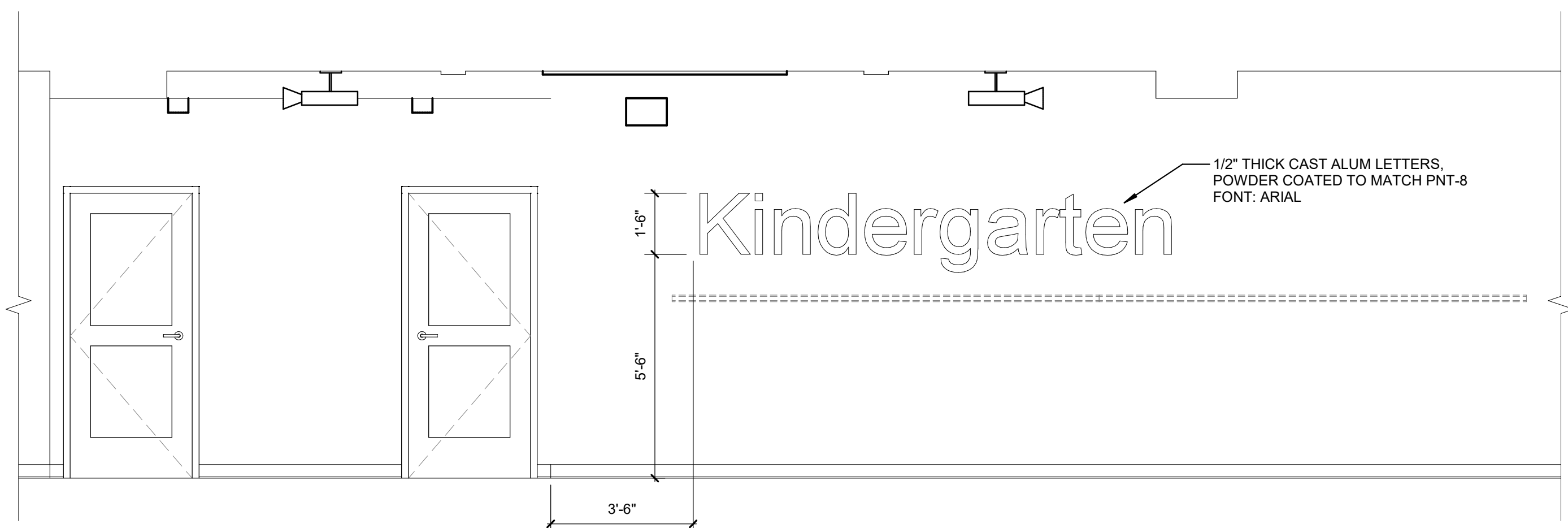
**A**



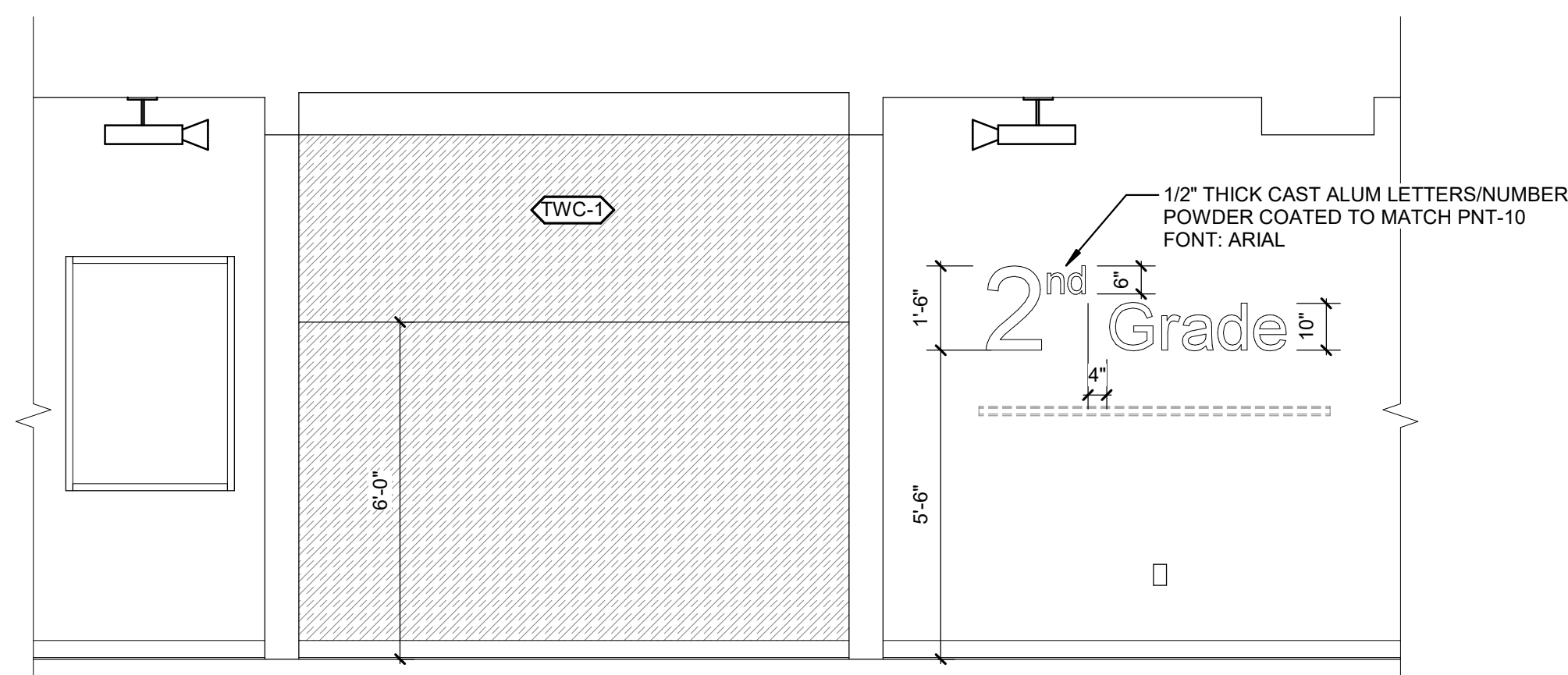




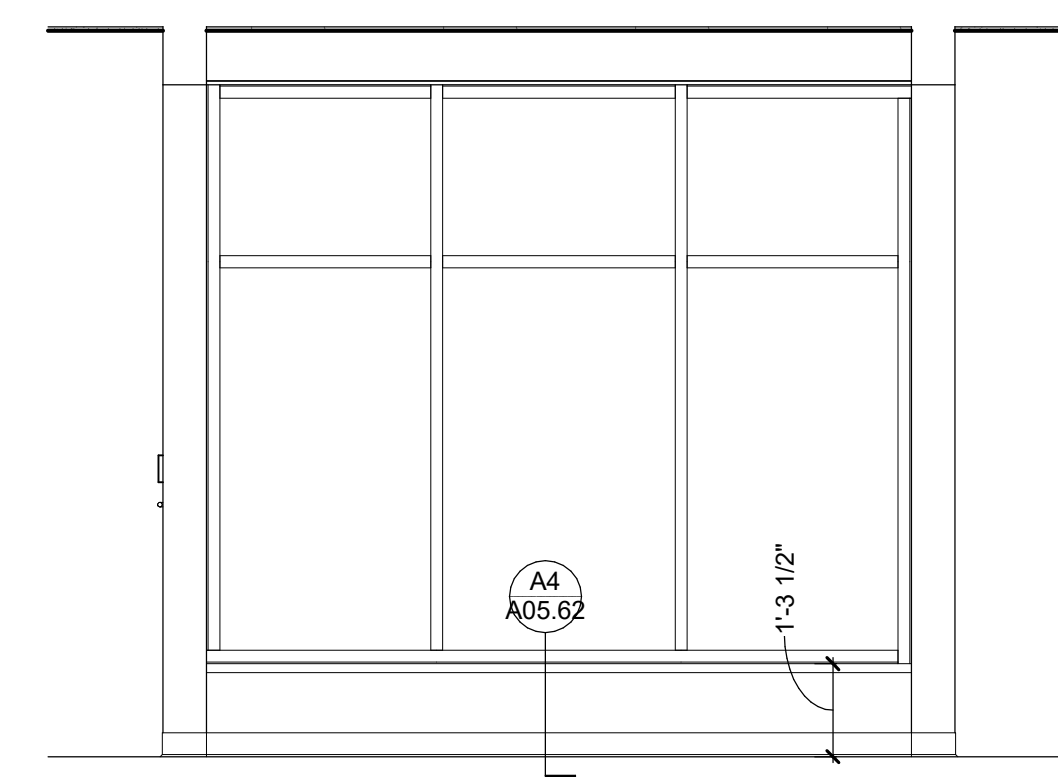
D3 2ND GRADE LEARNING COMMONS TEACHING WALL ELEVATION  
 $\frac{3}{8}" = 1'-0"$



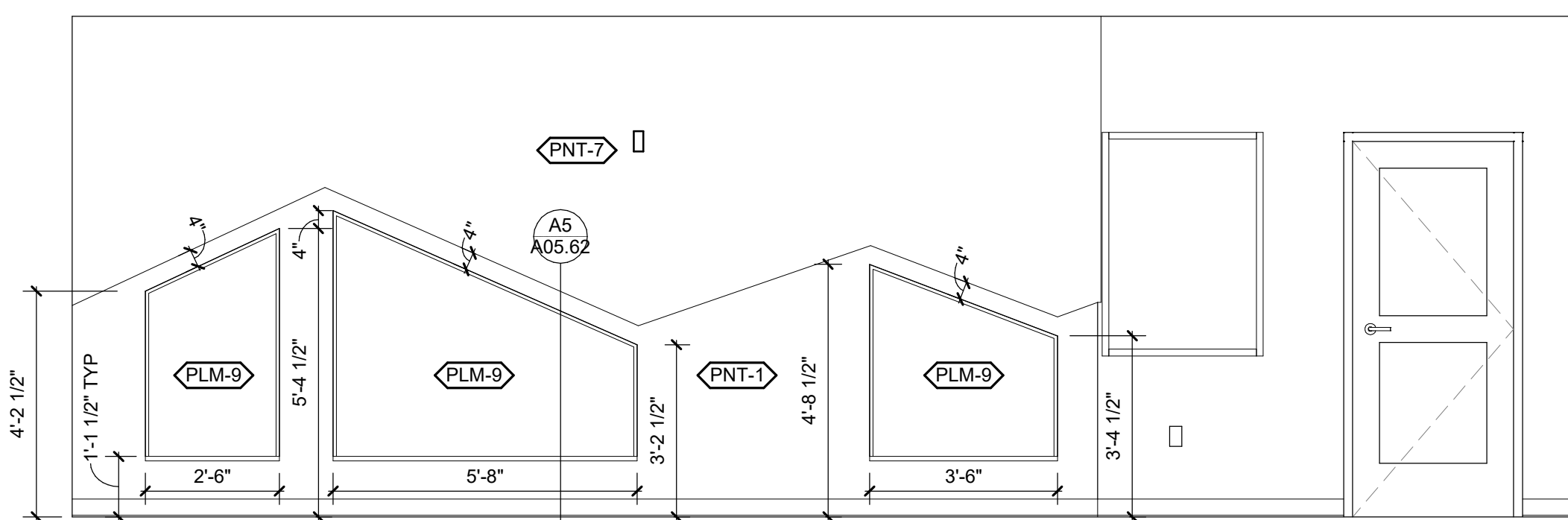
**C1** KINDERGARTEN LEARNING COMMONS SIGNAGE ELEVATION  
3/8" = 1'-0"



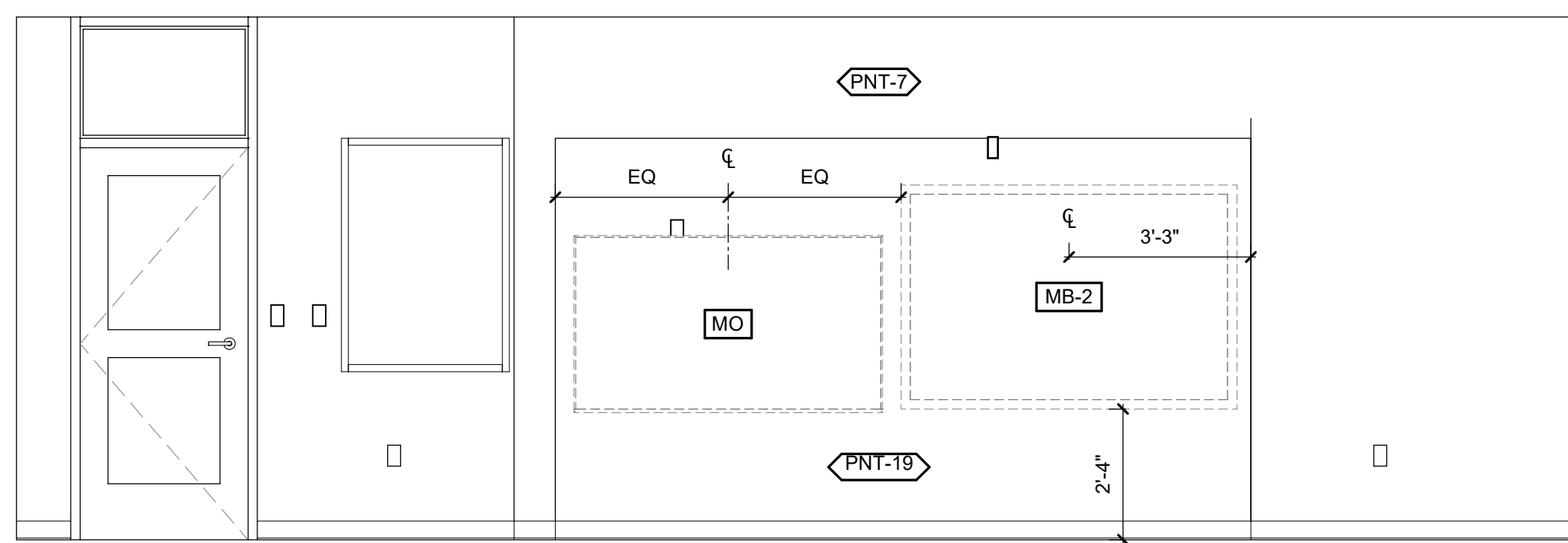
C3 2ND GRADE LEARNING COMMONS SIGNAGE ELEVATION  
3/8" = 1'-0"



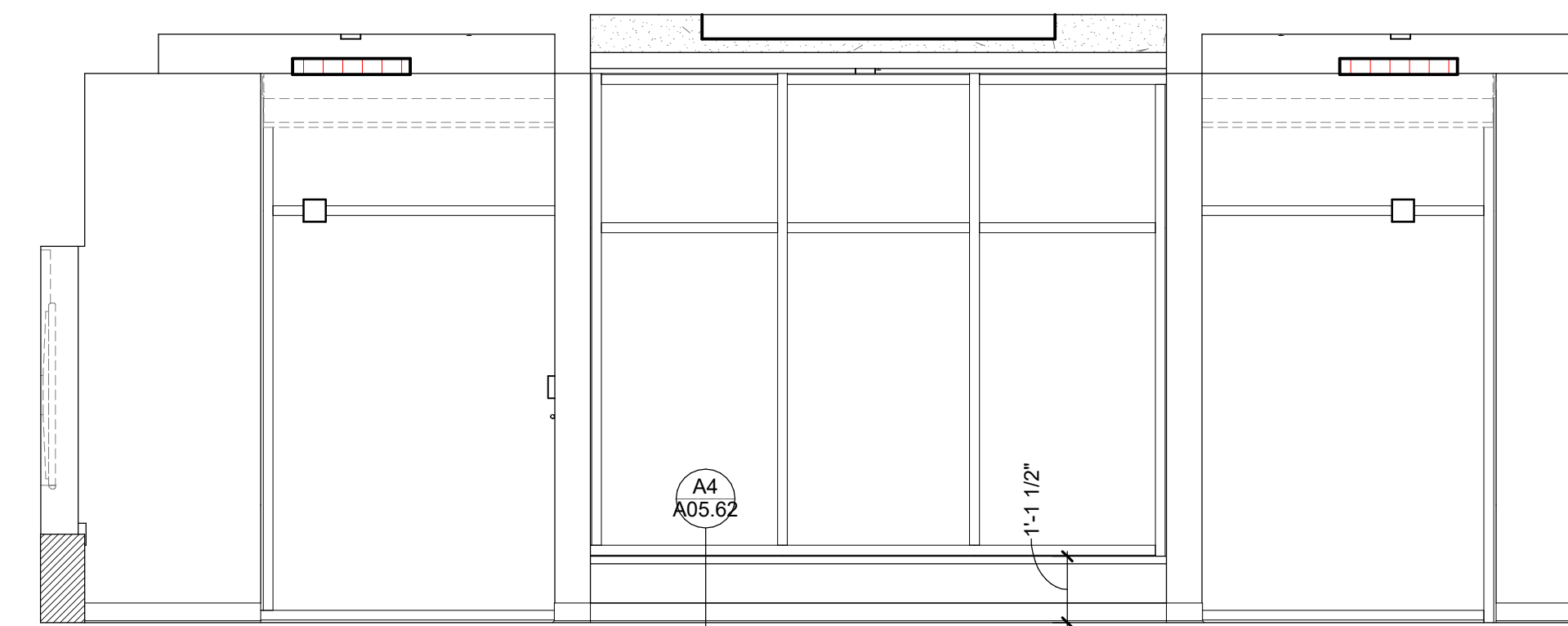
C5 2ND & 3RD LEARNING COMMONS MTG RM ELEVATION  
3/8" = 1'-0"



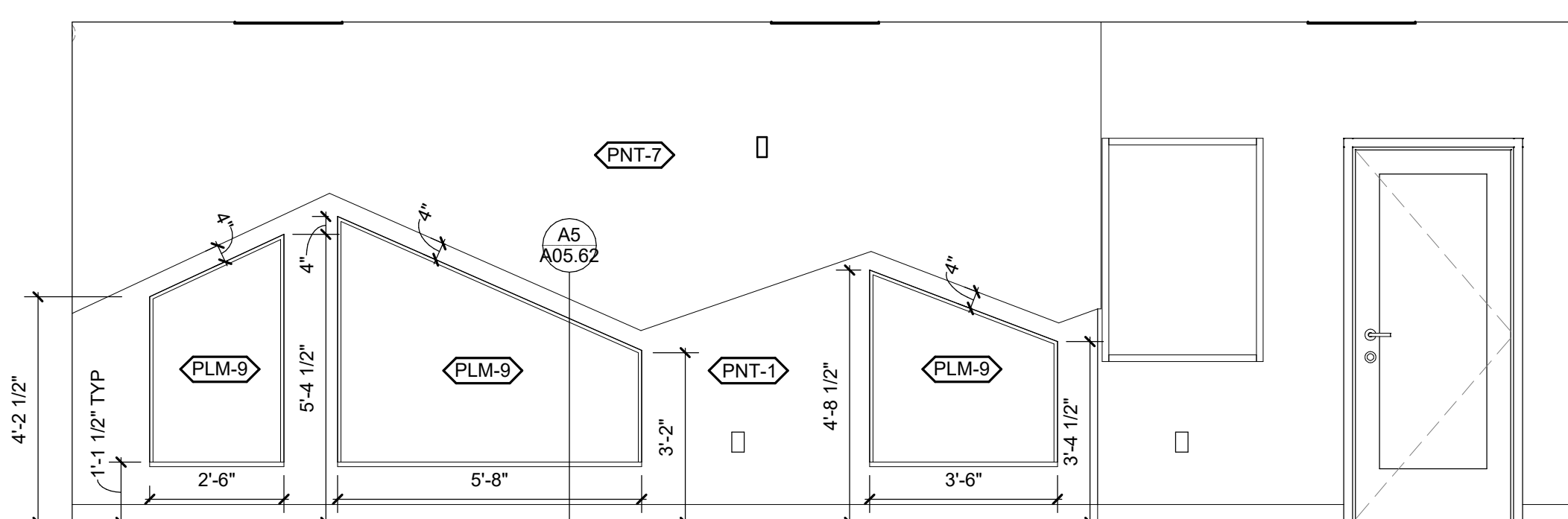
**B1** KINDERGARTEN LEARNING COMMONS SEATING ELEVATION  
 $\frac{3}{8}" = 1'-0"$



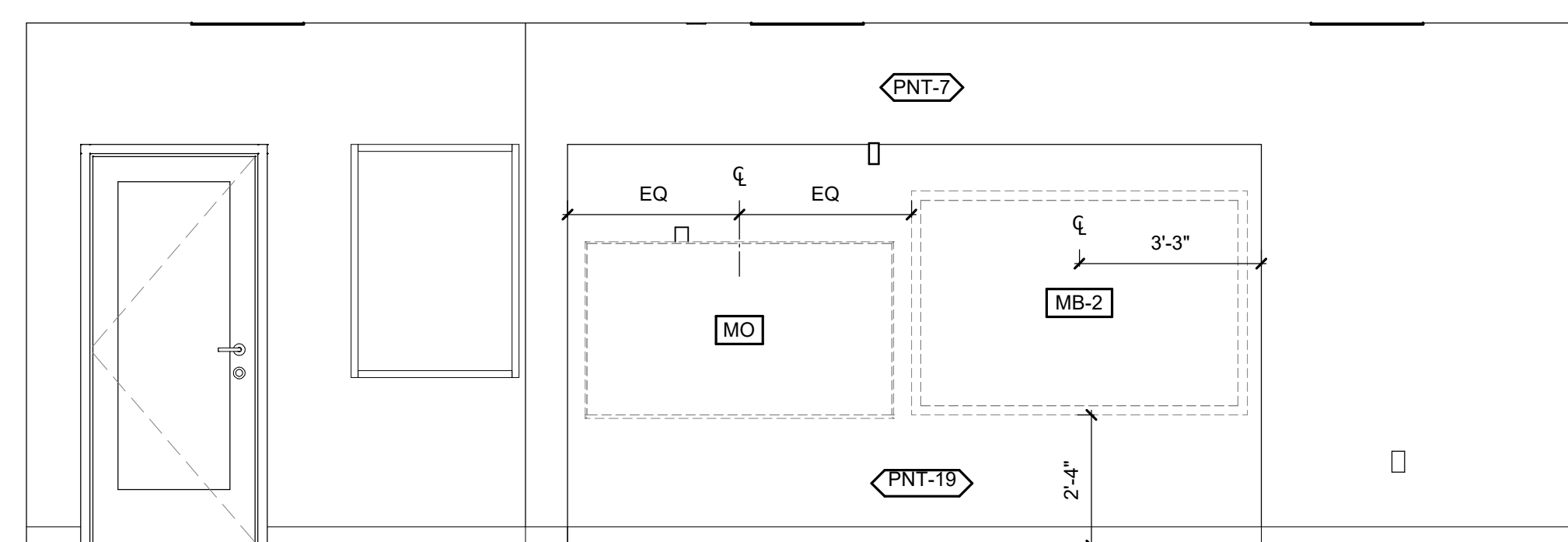
**B3** KINDERGARTEN LEARNING COMMONS TEACHING WALL ELEVATION  
3/8" = 1'-0"



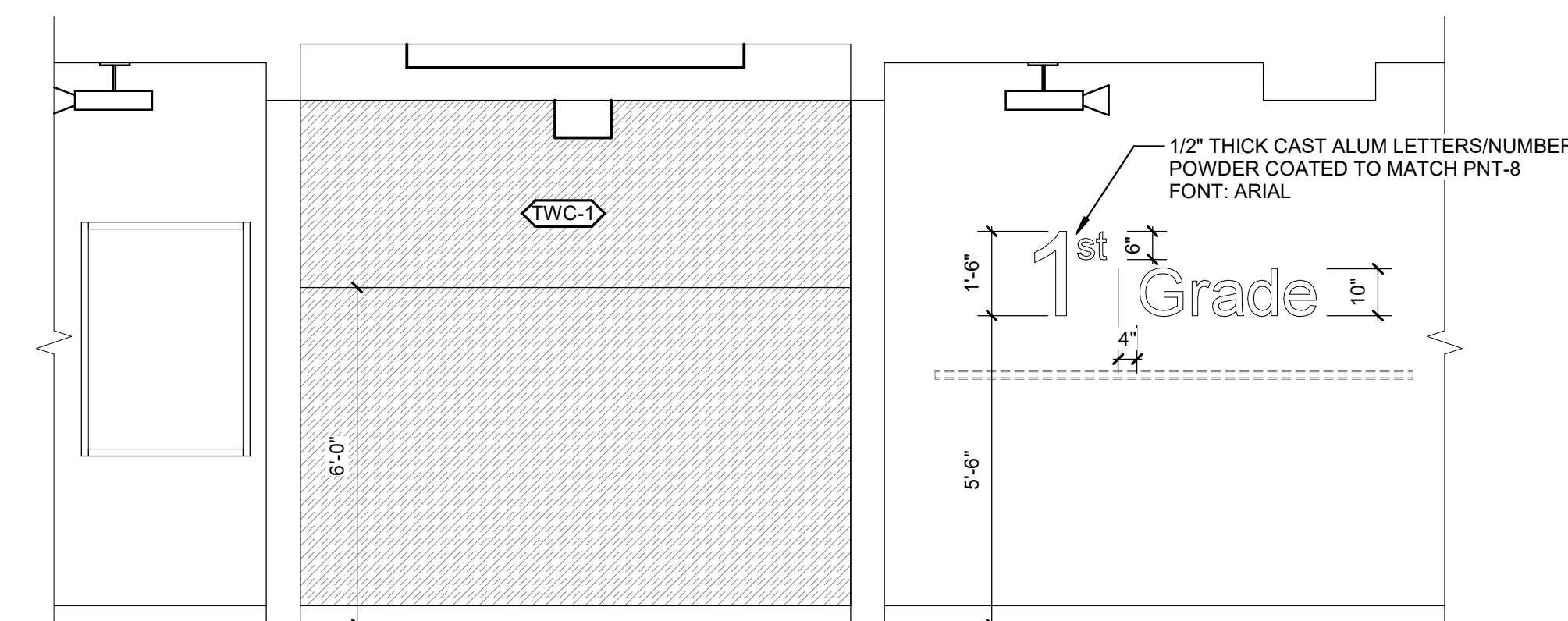
**B5** K & 1ST GRADE LEARNING COMMONS MTG RM ELEVATION  
3/8" = 1'-0"



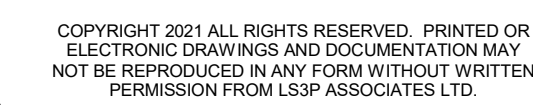
**A1 1ST GRADE LEARNING COMMONS SEATING ELEVATION**  
3/8" = 1'-0"



**A3 1ST GRADE LEARNING COMMONS TEACHING WALL ELEVATION**  
3/8" = 1'-0"



**A5 1ST GRADE LEARNING COMMONS SIGNAGE ELEVATION**  
3/8" = 1'-0"



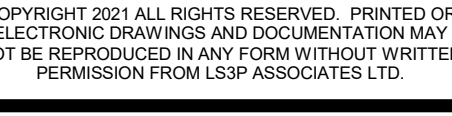
LS3P PROJECT: 8201-207411

[illegible]

**BID SET** 2024.04.1  
**SUBMISSION:**

BID SET

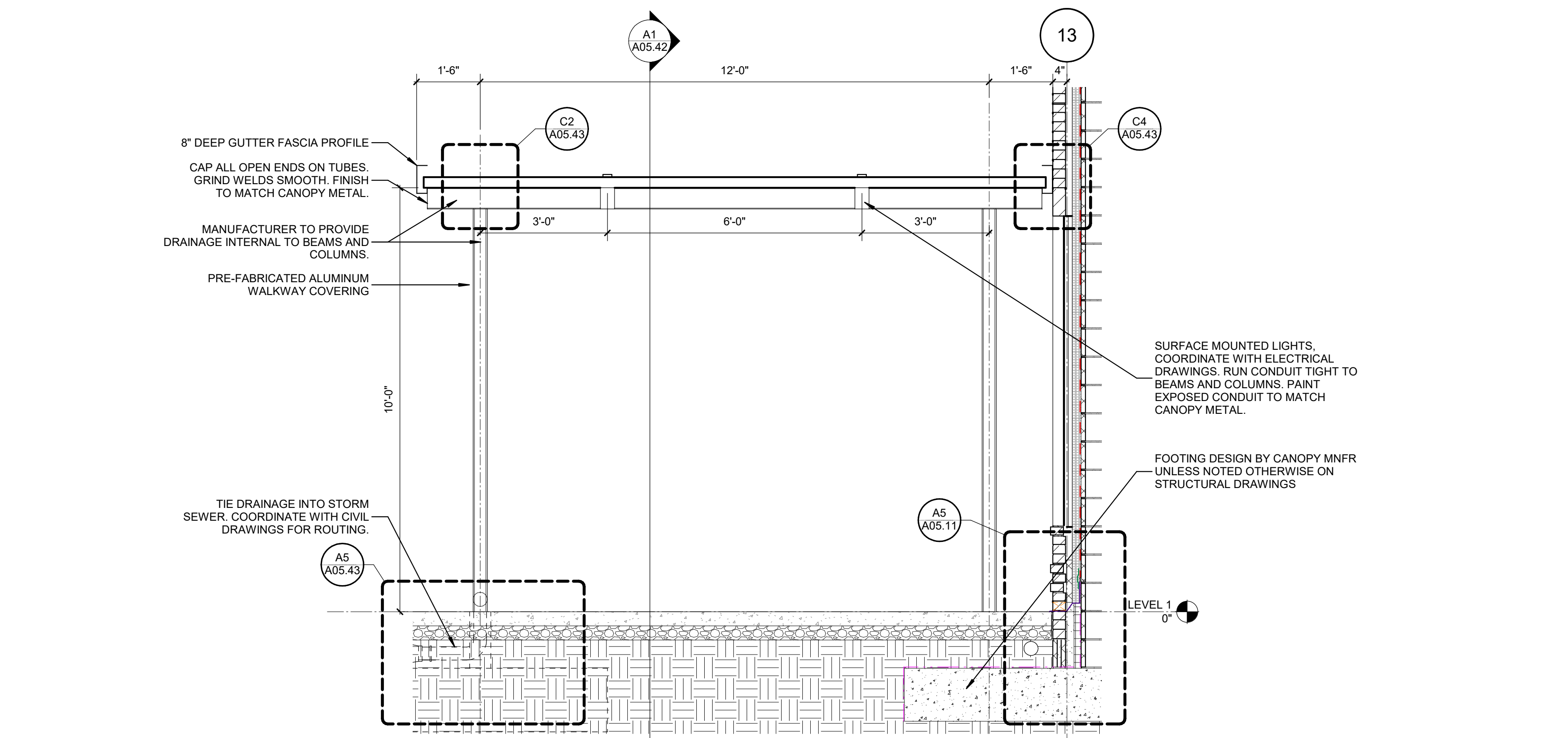




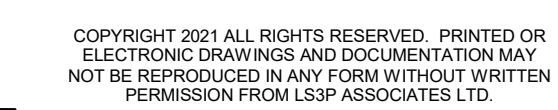
BID SE







**C3 SECTION - PREFAB CANOPY AT BUS ENTRY**  
1/2" = 1'-0"



S3P PROJECT: 8201-207411

BID SET





**C1** **LOADING DOCK CANOPY SECTION**  
1/2" = 1'-0"

**C4** **LOADING DOCK CANOPY SECTION**  
1/2" = 1'-0"

**A1** **BUS CANOPY SECTION**  
1/2" = 1'-0"



ARCH- DOOR SCHEDULE- LEVEL 1

ARCH- DOOR SCHEDULE- LEVEL 1																						
DOOR		DOOR PANELS								DOOR FRAME												
NUMBER	FIRE RATING (MIN)	PANEL TYPE		PANEL DIMENSIONS		TOTAL OF PANELS		THICKNESS	FINISH 1	FINISH 2	TYPE	FACE DIMENSIONS		DEPTH	FINISH 1	FINISH 2	HEAD	JAMB	HW SET	COMMENTS	#	
		PANEL 1	PANEL 2	WIDTH	HEIGHT	WIDTH	HEIGHT					JAMB WIDTH	HEAD HEIGHT									
LEVEL 1																						
1000A		PNL-G-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	37.0		1000A	
1000C		PNL-G-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	37.0		1000C	
1000D		PNL-G-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	37.0		1000D	
1001A		PNL-E21G-AL		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	C2 / A06.22	B2 / A06.22	25.0	REMOTE RELEASE	1001A	
1001B		PNL-E21G-AL		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	C2 / A06.22	B3 / A06.22	24.0		1001B	
1001C	90	PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	5 7/8"	08-OPENINGS-HM	---	B3 / A05.63	D1 / A05.63	37.0	PROVIDE LOCK, PROVIDE CLOSER	1001C	
1002		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	10 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	41.0		1002	
1003		PNL-G-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	32.1		1003	
1004		PNL-FG-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	10 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	35.1		1004	
1005A		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	28.0		1005A	
1005B		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	10 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	36.0		1005B	
1006		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	30.0		1006	
1007A		PNL-FG-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	32.1		1007A	
1007B		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	29.0		1007B	
1008		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	34.0		1008	
1009		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	41.0		1009	
1010		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0	PROVIDE LOCK	1010	
1011		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	41.0		1011	
1012		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1012	
1013		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	42.0	PROVIDE LOCK	1013	
1014		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1014	
1015		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	27.0		1015	
1015A		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	10 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	35.0		1015A	
1016		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1016	
1017		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	30.0	PROVIDE LOCK	1017	
1018		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	32.0	PROVIDE LOCK	1018	
1019		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	30.0		1019	
1020		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1020	
1021		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	35.0	PROVIDE LOCK, PROVIDE CLOSER	1021	
1023		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1023	
1025A		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	9 3/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	32.0		1025A	
1025B		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	9 3/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1025B	
1027		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1027	
1029		PNL-N-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1029	
1031		PNL-FG-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	31.0		1031	
1100A		PNL-E21G-AL	PNL-E21G-AL	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	D2 / A05.23	B2 / A05.23	4.0	DOOR ACTUATOR, CARD READER, PANIC HARDWARE, REMOTE RELEASE, REMOVABLE MULLION	1100A
1100B		PNL-E21G-AL	PNL-E21G-AL	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	D2 / A05.23	B2 / A05.23	6.0	PANIC HARDWARE, REMOVABLE MULLION	1100B
1100C		PNL-E21G-AL	PNL-E21G-AL	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	C2 / A06.22	B2 / A06.22	12.0	DOOR ACTUATOR, CARD READER, PANIC HARDWARE, REMOTE RELEASE, REMOVABLE MULLION	1100C
1100D		PNL-E21G-AL	PNL-E21G-AL	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	C2 / A06.22	B2 / A06.22	13.0	PANIC HARDWARE, REMOVABLE MULLION	1100D
1100E		PNL-E21G-AL	PNL-E21G-AL	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	D2 / A05.23	B5 / A05.23	6.0	PANIC HARDWARE, REMOVABLE MULLION	1100E
1100F		PNL-E21G-AL		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	D2 / A05.23	B2 / A05.23	5.0	PANIC HARDWARE	1100F	
1100G		PNL-E21G-AL		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	D2 / A05.23	B2 / A05.23	5.0	PANIC HARDWARE	1100G	
1100H		PNL-E21G-AL		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	D2 / A05.23	B2 / A05.23	2.1	PANIC HARDWARE, CARD READER	1100H	
1101		PNL-E21G-W D	PNL-E21G-W D	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-10HM1	2"	2"	10 1/8"	08-OPENINGS-HM	08-OPENINGS-GL31	C6 / A06.22	B6 / A06.22	22.0	PANIC HARDWARE, REMOVABLE MULLION	1101
1101A		PNL-FG-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	08-OPENINGS-GL31	FRM-10HM1	2"	2"	8 1/8"	08-OPENINGS-HM	08-OPENINGS-GL31	C6 / A06.22	B6 / A06.22	27.1	2 COAT HOOKS BACK OF DOOR	1101A	
1101B		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	8 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	29.0		1101B	
1101C		PNL-F-WD		3'-0"	7'-0"	3'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-10HM1	2"	2"	8 1/8"	08-OPENINGS-HM	08-OPENINGS-GL31	C6 / A06.22	B6 / A06.22	41.0		1101C	
1101D		PNL-E21G-AL	PNL-E21G-AL	3'-0"	3'-0"	7'-0"	5'-11 1/2"	7'-0"	1 3/4"	08-OPENINGS-AL	08-OPENINGS-GL11	SEE TYPE ELEVATION	0"	0"	4 3/4"	08-OPENINGS-AL	---	D2 / A05.23	A1 / A05.23	5.0	PANIC HARDWARE, REMOVABLE MULLION	1101D
1102		PNL-F-WD	PNL-F-WD	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	1 3/4"	08-OPENINGS-FWD-1	---	FRM-00HM1	2"	2"	10 1/8"	08-OPENINGS-HM	---	C6 / A06.22	B6 / A06.22	23.0	PANIC HARDWARE AND CLOSER	11021



THE LINE SHOWN ABOVE IS EXACTLY

## EQUIPMENT SCHEDULE

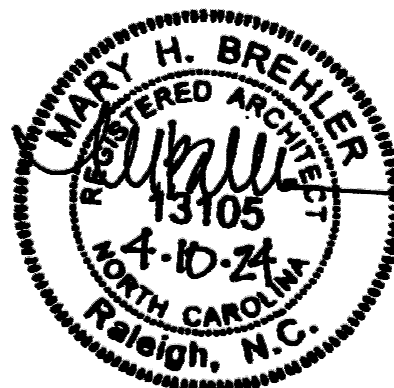
TAG	ITEM TYPE	BOD MANUFACTURER	BOD MODEL	DIMENSIONS	DESCRIPTION	PROVIDED BY	INSTALLED BY	COMMENTS	
E	APPLIANCE								
	CD-1 CLOTHES DRYER	GE	GDF55ESSWW	28"W X 32"D X 39.75"H	7.8 CU FT FRONT LOAD ELECTRIC DRYER; ADA COMPLIANT	CONTRACTOR	CONTRACTOR		
	CD-2 CLOTHES DRYER	GE	PTD0EBSRWS	27"W X 31"D X 44"H	7.4 CU FT ELECTRIC DRYER	CONTRACTOR	CONTRACTOR		
	DW DISHWASHER	GE	GDT26SSLSS	23.75"W X 23.5"D X 32.25"H	UNDERCOUNTER DISHWASHER; ADA COMPLIANT	CONTRACTOR	CONTRACTOR		
	HD RANGE HOOD	BROAN NUTONE	GLACIER BCS0130SS	30"W X 19.75"D X 6"H	UNDERCABINET RECIRCULATING HOOD WITH REMOTE SWITCH KIT FOR ADA COMPLIANCE	CONTRACTOR	CONTRACTOR		
	RA RANGE	GE	J840MSM	30"W X 29"D X 47"H	ELECTRIC 4-BURNER RANGE AND OVEN; ADA COMPLIANT	CONTRACTOR	CONTRACTOR		
	RF-1 REFRIGERATOR	GE	PYE2R2KXFS	36.125"W X 31.25"D X 70"H	22 1/4 CU FT FRENCH DOOR REFRIGERATOR WITH BOTTOM FREEZER AND INTEGRAL WATER/ICE DISPENSER	CONTRACTOR	CONTRACTOR		
	RF-2 REFRIGERATOR	GE	QNE25JYKFS	32.75"W X 37.5"D X 70"H	24 1/2 CU FT FRENCH DOOR REFRIGERATOR WITH BOTTOM FREEZER, ICE MAKER, AND INTERNAL WATER DISPENSER	CONTRACTOR	CONTRACTOR		
	UR UNDERCOUNTER REFRIGERATOR	SUMMIT	AL752BKSSHH	23.75"W X 23.5"D X 32.25"H	UNDERCOUNTER REFRIGERATOR; ADA COMPLIANT	CONTRACTOR	CONTRACTOR		
	WM-1 WASHING MACHINE	GE	GFW85SSNWW	28"W X 34"D X 39.75"H	5.0 CU FT FRONT LOAD WASHER; ADA COMPLIANT	CONTRACTOR	CONTRACTOR		
	WM-2 WASHING MACHINE	GE	PTW60BSRWS	28"W X 28"D X 44"H	5.0 CU FT TOP LOAD WASHER	CONTRACTOR	CONTRACTOR		
	ATHLETIC								
	BB BASKETBALL BACKSTOP	PERFORMANCE SPORTS SYSTEMS	P2300-9124GL	72"W X 42"H BACKBOARD	STATIONARY FOUR-POINT WALL MOUNTED BACKSTOP WITH GLASS BACKBOARD; ADJUSTABLE 9' - 12' AWAY FROM WALL	CONTRACTOR	CONTRACTOR		
	WSP WALL SAFETY PADDING	DRAPER	ECOSIVON WALL PAD	24"W X 72"H	VINYL WALL PADDING	CONTRACTOR	CONTRACTOR	SEE PLAY ELEVATIONS	
	DISPLAY								
	DC-1 DISPLAY CASE	CLARIDGE	370 SERIES 374	96"W X 18"D X 48"H	RECESSED LOCKABLE CASE WITH SLIDING GLASS DOORS, CORK BACK PANELS, AND (6) ADJUSTABLE GLASS SHELVES	CONTRACTOR	CONTRACTOR		
	DC-2 DISPLAY CASE	CLARIDGE	370 SERIES 376	144"W X 16"D X 48"H	RECESSED LOCKABLE CASE WITH SLIDING GLASS DOORS, CORK BACK PANELS, AND (9) ADJUSTABLE GLASS SHELVES	CONTRACTOR	CONTRACTOR		
	DR-1 DISPLAY RAIL	CLARIDGE	DELUXE MAP & DISPLAY RAIL 74EZ	6-3"W X 2"H	ALUMINUM DISPLAY RAIL WITH CORK INSERT	CONTRACTOR	CONTRACTOR		
	DR-2 DISPLAY RAIL	CLARIDGE	DELUXE MAP & DISPLAY RAIL 74EZ	8-6"W X 2"H	ALUMINUM DISPLAY RAIL WITH CORK INSERT	CONTRACTOR	CONTRACTOR		
	DR-3 DISPLAY RAIL	CLARIDGE	DELUXE MAP & DISPLAY RAIL 74EZ	12-6"W X 2"H	ALUMINUM DISPLAY RAIL WITH CORK INSERT	CONTRACTOR	CONTRACTOR		
	DR-4 DISPLAY RAIL	CLARIDGE	DELUXE MAP & DISPLAY RAIL 74EZ	12-6"W X 2"H	ALUMINUM DISPLAY RAIL WITH CORK INSERT	CONTRACTOR	CONTRACTOR		
	DR-5 DISPLAY RAIL	CLARIDGE	HANG TIGHT HTT9-2	24"W X 2"H	ALUMINUM DISPLAY RAIL WITH CORK INSERT	CONTRACTOR	CONTRACTOR		
	DR-6 DISPLAY RAIL	CLARIDGE	HANG TIGHT HTT9-6	72"W X 2"H	ALUMINUM DISPLAY RAIL WITH CORK INSERT	CONTRACTOR	CONTRACTOR		
	MB-1 MARKERBOARD	CLARIDGE	SERIES 2 S24X8LCS	48"W X 48"H	PORCELAIN MARKERBOARD WITH ALUMINUM FRAME; INCLUDES MARKER TRAY AND 1" MAP RAIL	CONTRACTOR	CONTRACTOR	WHITE WRITING SURFACE	
	MB-2 MARKERBOARD	CLARIDGE	SERIES 2 S24X8LCS	72"W X 48"H	PORCELAIN MARKERBOARD WITH ALUMINUM FRAME; INCLUDES MARKER TRAY, 1" MAP RAIL, (2) FLAG HOLDERS, AND MAP HOOKS	CONTRACTOR	CONTRACTOR	WHITE WRITING SURFACE	
	MB-3 MARKERBOARD	CLARIDGE	SERIES 2 S24X8LCS	96"W X 48"H	PORCELAIN MARKERBOARD WITH ALUMINUM FRAME; INCLUDES MARKER TRAY AND 1" MAP RAIL	CONTRACTOR	CONTRACTOR	WHITE WRITING SURFACE	
	TB-1 TACKBOARD	CLARIDGE	SERIES 2 S22X3COR	24"W X 36"H	CORKBOARD WITH ALUMINUM FRAME	CONTRACTOR	CONTRACTOR		
	TB-2 TACKBOARD	CLARIDGE	SERIES 2 S24X4COR	48"W X 48"H	CORKBOARD WITH ALUMINUM FRAME	CONTRACTOR	CONTRACTOR		
	TB-3 TACKBOARD	CLARIDGE	SERIES 2 S24X6COR	72"W X 48"H	CORKBOARD WITH ALUMINUM FRAME	CONTRACTOR	CONTRACTOR		
	ELECTRONIC								
	PJ PROJECTOR	PANASONIC	PT-M2680	22"W X 17.25"D X 7.5"H	CEILING MOUNTED SHORT THROW PROJECTOR, 6000 LUMENS, 16:10 RATIO	CONTRACTOR	CONTRACTOR		
	PJS PROJECTION SCREEN	DA-LITE	PROFESSIONAL ELECTROL 81793	12"W X 12"H	AUTOMATIC ELECTRIC PROJECTION SCREEN, SQUARE RATIO	CONTRACTOR	CONTRACTOR		
	WALL CLOCK	TELECOR	ANALOG CLOCK	12" DIA	SYNCHRONOUS AND BATTERY POWERED	CONTRACTOR	CONTRACTOR		
	WC-2 WALL CLOCK	TELECOR	ANALOG CLOCK	16" DIA	SYNCHRONOUS AND BATTERY POWERED	CONTRACTOR	CONTRACTOR		
	LIBRARY STORAGE								
	LS-1 LIBRARY SHELVING UNIT	BRODART	WOOD SHELVING	36"W X 12"D X 42"H	BOOKCASE WITH (3) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR	TO COORDINATE WITH MEDIA FF&E	
LS-2 LIBRARY SHELVING UNIT	BRODART	WOOD SHELVING	36"W X 12"D X 72"H	BOOKCASE WITH (4) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR	TO COORDINATE WITH MEDIA FF&E		
LS-3 LIBRARY SHELVING UNIT	BRODART	WOOD SHELVING	36"W X 12"D X 42"H	PICTURE BOOK SHELVING WITH (3) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR	TO COORDINATE WITH MEDIA FF&E		
LS-4 LIBRARY SHELVING UNIT	BRODART	WOOD SHELVING	36"W X 12"D X 72"H	PICTURE BOOK SHELVING WITH (4) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR	TO COORDINATE WITH MEDIA FF&E		
MISC									
CC CUBICLE CURTAIN AND TRACK	INPRO	NANOTRAC TRACK WITH CLICKEZE CURTAIN	9"H CURTAIN	ALUMINUM TRACK AND POLYESTER CURTAIN WITH 12"H MESH HEADER	CONTRACTOR	CONTRACTOR			
OPP OPERABLE PARTITION PANEL	ADVANCED EQUIPMENT	ALPHA T PANELS WITH 1 TRACK	--	MANUALLY OPERATED PANEL PARTITION SYSTEM, PANELS FINISHED IN VINYL WALLCOVERING	CONTRACTOR	CONTRACTOR			
WC-3 PROTECTIVE CLOCK GUARD	AMERICAN TIME	1800	22.25"W X 4.75"D X 22.25"H	HINGED HEXAGONAL GUARD	CONTRACTOR	CONTRACTOR			
WH-1 WALL HOOK	BOBBICK	B-232 X 24	24"W X 2.25"D X 6.5"H	WALL MOUNTED STAINLESS STEEL HOOK STRIP WITH (3) HOOKS	CONTRACTOR	CONTRACTOR			
WH-2 WALL HOOK	HUSKY	LARGE WALL MOUNTED J-HOOK	1.5"W X 4.5"D X 4.25"H	STEEL J-HOOK WITH VINYL COATING	CONTRACTOR	CONTRACTOR			
NIC									
CO COPIER	--	--	--	NIC	OWNER	OWNER	FOR COORDINATION ONLY		
KN KILN	--	--	--	NIC	OWNER	OWNER	FOR COORDINATION ONLY		
MO MONITOR	--	--	--	NIC	OWNER	OWNER	FOR COORDINATION ONLY		
MW MICROWAVE	--	--	--	NIC	OWNER	CONTRACTOR	FOR COORDINATION ONLY		
BM-1 BEVERAGE VENDING MACHINE	--	--	--	NIC	OWNER	OWNER	FOR COORDINATION ONLY		
VM-2 FOOD VENDING MACHINE	--	--	--	NIC	OWNER	OWNER	FOR COORDINATION ONLY		
STORAGE									
FC FLOODABLE SAFETY CABINET	JAMCO	BMA45	43"W X 18"D X 65"H	45 GAL CABINET WITH MANUAL DOORS AND (2) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR			
ML METAL LOCKER	ART METAL PRODUCTS	MAGNUM STUDENT KD WARDROBE LOCKERS	12"W X 12"D X 60"H	SINGLE TIER LOCKER ON 4" CONCRETE CURB	CONTRACTOR	CONTRACTOR			
SH-1 PLASTIC SHELVING UNIT	STRUCTURAL PLASTICS CORP	DURASHELF AS73824X4	36"W X 24"D X 72"H	SOLID PLASTIC SHELVING UNIT WITH (4) ADJUSTABLE SOLID SHELVES	CONTRACTOR	CONTRACTOR			
SH-2 PLASTIC SHELVING UNIT	STRUCTURAL PLASTICS CORP	DURASHELF AS74824X4	48"W X 24"D X 72"H	SOLID PLASTIC SHELVING UNIT WITH (4) ADJUSTABLE SOLID SHELVES	CONTRACTOR	CONTRACTOR			
SH-3 MOBILE SHELVING UNIT	METRO	METROMAX X336FX3	36"W X 18"D X 67"H	MOBILE SHELVING UNIT WITH (4) ADJUSTABLE SOLID PLASTIC SHELVES	CONTRACTOR	CONTRACTOR			
SH-4 HEAVY DUTY SHELVING UNIT	ULINE	H-1388	60"W X 24"D X 84"H	WIDE SPAN STORAGE RACK WITH (3) ADJUSTABLE PARTICLE BOARD CLAD SHELVES	CONTRACTOR	CONTRACTOR			
SH-5 HEAVY DUTY SHELVING UNIT	ULINE	H-1390	96"W X 24"D X 84"H	WIDE SPAN STORAGE RACK WITH (3) ADJUSTABLE PARTICLE BOARD CLAD SHELVES	CONTRACTOR	CONTRACTOR			
SH-6 HEAVY DUTY PLASTIC SHELVING UNIT	ULINE	H-3349	96"W X 24"D X 75"H	SOLID PLASTIC SHELVING UNIT WITH FIXED VENTED SHELVES	CONTRACTOR	CONTRACTOR			
SH-7 HEAVY DUTY SHELVING UNIT	ULINE	H-3841	36"W X 12"D X 75"H	STEEL OPEN SHELVING UNIT WITH (6) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR			
SH-8 HEAVY DUTY SHELVING UNIT	ULINE	H-3354	36"W X 24"D X 75"H	STEEL OPEN SHELVING UNIT WITH (6) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR			
SH-9 SHELVING UNIT	ULINE	H-6148	36"W X 18"D X 86"H	STAINLESS STEEL WIRE SHELVING UNIT WITH (4) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR			
SH-10 SHELVING UNIT	ULINE	H-5520	36"W X 12"D X 84"H	BOLTLESS STEEL OPEN SHELVING UNIT WITH (5) ADJUSTABLE PARTICLE BOARD CLAD SHELVES	CONTRACTOR	CONTRACTOR			
SH-11 SHELVING UNIT	ULINE	H-5521	48"W X 12"D X 84"H	BOLTLESS STEEL OPEN SHELVING UNIT WITH (5) ADJUSTABLE PARTICLE BOARD CLAD SHELVES	CONTRACTOR	CONTRACTOR			
SH-12 SHELVING UNIT	ULINE	H-5188	48"W X 18"D X 84"H	BOLTLESS STEEL OPEN SHELVING UNIT WITH (5) ADJUSTABLE PARTICLE BOARD CLAD SHELVES	CONTRACTOR	CONTRACTOR			
SH-13 WALL-MOUNTED SHELVING UNIT	ULINE	H-5436	36"W X 12"D X 34"H	OPEN WIRE CHROME SHELVING; (2) ADJUSTABLE SHELVES	CONTRACTOR	CONTRACTOR			
THEATER									
CU-1 PLATFORM CURTAIN LEGS	GREENVILLE STAGE	CUSTOM	--	FLAME RESISTANT 25 OZ. VELOUR CURTAIN	CONTRACTOR	CONTRACTOR			
CU-2 PLATFORM CURTAIN FRONT & VALANCE	GREENVILLE STAGE	CUSTOM	--	FLAME RESISTANT 25 OZ. VELOUR FRONT CURTAIN AND VALANCE	CONTRACTOR	CONTRACTOR			
CU-3 PLATFORM CURTAIN CYCLORAMA	GREENVILLE STAGE	CUSTOM	--	FLAME RESISTANT 25 OZ. VELOUR CYCLORAMA CURTAIN	CONTRACTOR	CONTRACTOR			
WINDOW TREATMENT									
HLB HORIZONTAL LOUVER BLINDS	SWF CONTRACT	CLASSICS 1" CORDLESS MINI BLINDS	--	ALUMINUM BLINDS WITH TILT ROD	CONTRACTOR	CONTRACTOR	SEE RCPs FOR LOCATIONS		
RS-1 ROLLER SHADE	SWF CONTRACT	PRECISION- CORDLESS MANUAL SOLAR SHADES	--	MANUAL ROLLER SHADES; PVC FREE SHADE FABRIC WITH 3% OPENNESS	CONTRACTOR	CONTRACTOR	SEE RCPs FOR LOCATIONS		
RS-2 ROLLER SHADE	SWF CONTRACT	PRECISION- CORDLESS MANUAL SOLAR SHADES	--	MOTORIZED ROLLER SHADES; PVC FREE SHADE FABRIC WITH 3% OPENNESS	CONTRACTOR	CONTRACTOR	SEE RCPs FOR LOCATIONS		
RS-3 ROLLER SHADE	SWF CONTRACT	PRECISION- CORDLESS MANUAL SOLAR SHADES	--	MANUAL ROLLER SHADES; PVC FREE BLACKOUT SHADE FABRIC	CONTRACTOR	CONTRACTOR	SEE RCPs FOR LOCATIONS		



Wake County  
Public School  
System



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



COPYRIGHT 2021 ALL RIGHTS RESERVED. PRINTED OR  
ELECTRONIC DRAWINGS AND DOCUMENTATION MAY  
NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN  
PERMISSION FROM LS3P ASSOCIATES LTD.

# Swift Creek Elementary School

5601 Tryon Rd Raleigh, NC 27606

**LS3P PROJECT: 8201-207411**

[illegible]

**SHEET NAME:**  
**EQUIPMENT**  
**SCHEDULE**

**BID SET** 2024.04.10  
**SUBMISSION:**

**SHEET:**

**A06.81**

**BID SET**





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

TAG	DUCT INLET SIZE
VAV-1-1	10"
VAV-1-2	10"
VAV-1-3	5"
VAV-1-4	8"
VAV-1-5	10"
VAV-1-6	10"
VAV-1-7	6"
VAV-1-8	10"
VAV-1-9	10"
VAV-1-10	10"
VAV-1-11	8"
VAV-1-12	10"
VAV-1-13	10"
VAV-1-14	10"
VAV-1-15	8"
VAV-1-16	8"
VAV-1-17	10"
VAV-1-18	8"
VAV-1-19	10"
VAV-1-20	8"
VAV-1-21	10"
VAV-1-22	10"
VAV-1-23	10"
VAV-1-24	12"
VAV-1-25	10"
VAV-1-26	8"
VAV-1-27	8"





E

D

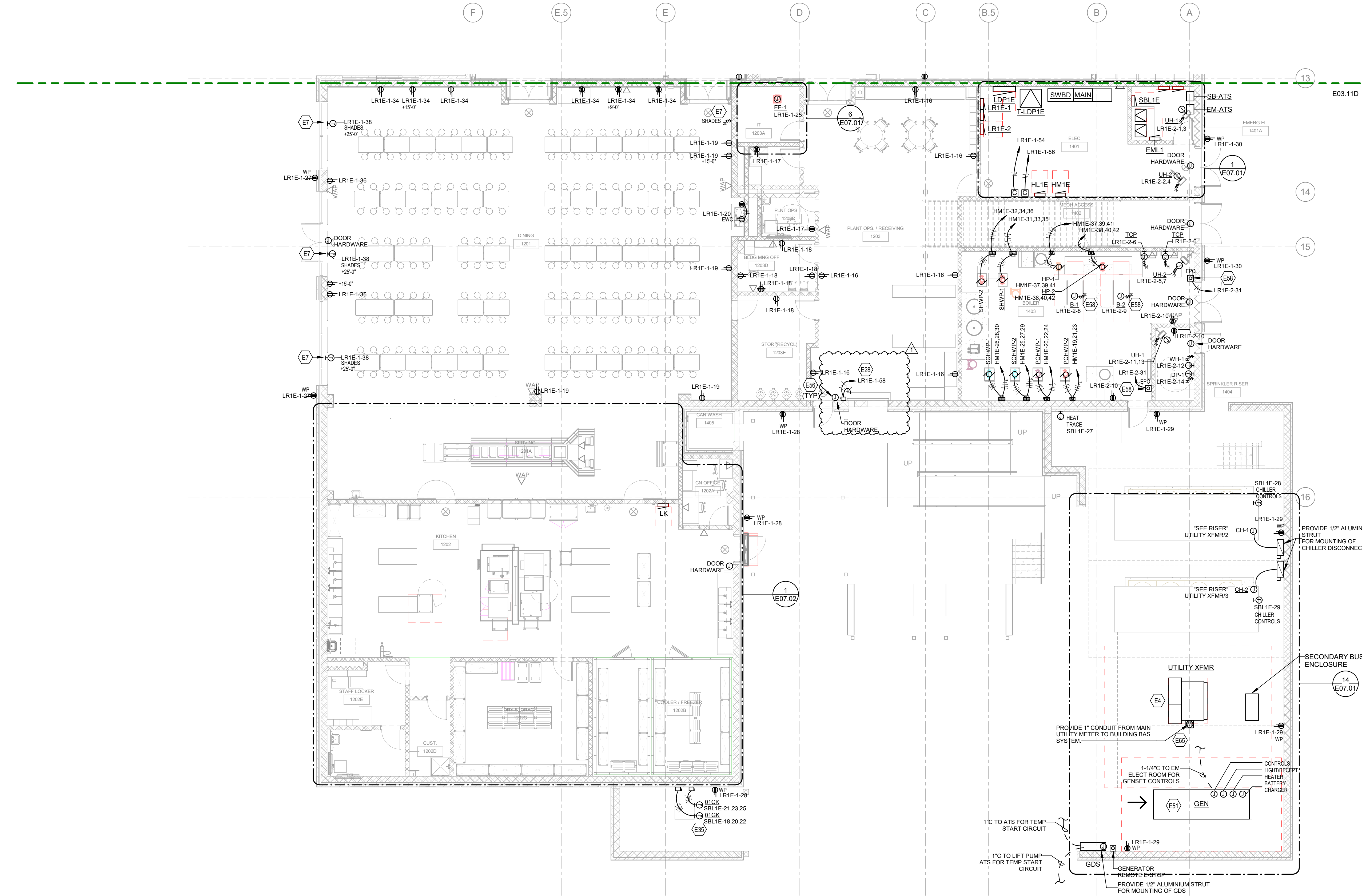
C

B

A

VAV BOX SCHEDULE W REHEAT COILS																											
VAV ID	SOURCE	MANUFACTURER	MODEL #	BOX TYPE	DIMENSIONS			INLET SIZE	TOTAL A.P.D. @ MAX. CFM (FWG)	MAX DISCHARGE NC	VOLUME CONTROL DAMPER		PRESSURE INDEPENDENT CONTROLS	LEAKAGE RATE @ 2.0"	HOT WATER COIL											3-WAY CONTROL VALVE	REMARKS
					LENGTH	WIDTH	HEIGHT				MAX CFM	MIN CFM			CFM	EAT (" F DB)	LAT (" F DB)	EWT (" F)	LWT (" F)	GPM	WATER P.D. (FT.)	HEAT CAPACITY (MBH)	HEATING COIL ROWS	RUNOUT PIPE SIZE			
VAV-1-1	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	800	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-2	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-3	AHU-1	ETI	SDR05	VARIABLE VOLUME	26	10	10	5"ø	0.25 in-wg	16	15	75	45	Yes	0.02	45	55°F	108°F	140°F	121°F	0.3	0.03	3.0	2	3/4"	No	ALL
VAV-1-4	AHU-1	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	550	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-1-5	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	700	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-6	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	800	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-7	AHU-1	ETI	SDR06	VARIABLE VOLUME	22	10	10	6"ø	0.25 in-wg	15	16	350	100	Yes	0.02	100	55°F	92°F	140°F	108°F	0.3	0.02	4.0	2	3/4"	No	ALL
VAV-1-8	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	900	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-9	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-10	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	800	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-11	AHU-1	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	700	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-1-12	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	1050	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-13	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-14	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	800	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-15	AHU-1	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	500	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-1-16	AHU-1	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	700	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-1-17	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	800	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-18	AHU-1	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	700	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	Yes	ALL
VAV-1-19	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	1050	420	Yes	0.02	420	55°F	95°F	140°F	113°F	1.1	0.38	16.0	2	3/4"	Yes	ALL
VAV-1-20	AHU-1	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	700	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	Yes	ALL
VAV-1-21	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	800	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	Yes	ALL
VAV-1-22	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	Yes	ALL
VAV-1-23	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	900	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	Yes	ALL
VAV-1-24	AHU-1	ETI	SDR12	VARIABLE VOLUME	24	16	13	12"ø	0.40 in-wg	19	16	1150	580	Yes	0.02	580	55°F	93°F	140°F	113°F	1.8	0.85	24.0	2	3/4"	Yes	ALL
VAV-1-25	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	1025	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-26	AHU-1	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	550	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-1-27	AHU-1	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	650	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-1-28	AHU-2	ETI	SDR06	VARIABLE VOLUME	22	10	10	6"ø	0.25 in-wg	15	16	350	100	Yes	0.02	100	55°F	92°F	140°F	108°F	0.3	0.02	4.0	2	3/4"	No	ALL
VAV-2-1	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-2	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	1000	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-3	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	700	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-4	AHU-2	ETI	SDR06	VARIABLE VOLUME	22	10	10	6"ø	0.25 in-wg	15	16	200	100	Yes	0.02	100	55°F	92°F	140°F	108°F	0.3	0.02	4.0	2	3/4"	No	ALL
VAV-2-5	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	800	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-6	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	850	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-7	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-8	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	850	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-9	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-10	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	1000	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-11	AHU-2	ETI	SDR06	VARIABLE VOLUME	22	10	10	6"ø	0.25 in-wg	15	16	200	100	Yes	0.02	100	55°F	92°F	140°F	108°F	0.3	0.02	4.0	2	3/4"	No	ALL
VAV-2-12	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	825	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-13	AHU-2	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	600	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-2-14	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	775	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-15	AHU-2	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	550	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-2-16	AHU-2	ETI	SDR08	VARIABLE VOLUME	22	12	10	8"ø	0.50 in-wg	20	18	600	280	Yes	0.02	280	55°F	95°F	140°F	113°F	0.9	0.11	12.0	3	3/4"	No	ALL
VAV-2-17	AHU-2	ETI	SDR10	VARIABLE VOLUME	24	14	13	10"ø	0.40 in-wg	19	16	750	420	Yes	0.02	420	55°F	90°F	140°F	111°F	1.1	0.38	16.0	2	3/4"	No	ALL
VAV-2-																											





1 LEVEL 1 FLOOR PLAN - POWER  
SCALE: 1/8" = 1'-0"

#### GENERAL NOTES (POWER):

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT AS INDICATED ON THE FLOOR PLANS. WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTI-WIRE BRANCH CIRCUITS AS DEFINED IN NEC 100.2(D)(4) (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.
- COORDINATE LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

#### KEYNOTES

- PROVIDE LARGE PIT PAD TYPE TRANSFORMER PAD IN ACCORDANCE WITH UTILITY COMPANY STANDARDS. REFER TO LARGE PIT PAD DETAIL FOR MORE INFORMATION.
- MOTORIZED WINDOW SHADES SHALL BE LOCALLY CONTROLLED FROM LOCATION INDICATED USING RAISE/LOWER FUNCTION. MOTORIZED SHADES TO BE CONNECTED TO BAS SYSTEM FOR OVERRIDE AND TIME SCHEDULING CONTROLS. PROVIDE ALL PATHWAYS AND CABLING AS REQUIRED FOR SYSTEM CONNECTIONS AND INTEGRATION TO BAS. COORDINATE INSTALLATION, AND ALL DEVICE MOUNTING HEIGHTS AND LOCATIONS WITH MANUFACTURER INSTRUCTIONS. SHADE SYSTEM BASIS OF DESIGN TO BE MECHGYS/STMS 'CLASSIC MECHGYS' OR APPROVED EQUAL. PROVIDE NUMBER OF INDIVIDUAL CONTROL SWITCHES AS REQUIRED FOR LOCAL CONTROL OF SHADES IN THIS AREA. COORDINATE LOCAL CONTROL LOCATIONS WITH OWNER.
- PROVIDE DISCONNECT, POWER CONNECTION, AND ALL CONTROL CONNECTIONS FOR MOTORIZED OVERHEAD DOOR AND ASSOCIATED CONTROLLER. WIRE TO CIRCUIT SHOWN. COORDINATE DEVICE LOCATIONS AND REQUIREMENTS WITH DOOR INSTALLER.
- PROVIDE 1-1/4" CONDUIT FROM EACH 'CU' CONDENSING UNITS TO THE CORRESPONDING INDOOR 'AC' UNIT FOR INSTALLATION OF WIRING AS PROVIDED WITH UNITS (REFER TO MECHANICAL EQUIPMENT SCHEDULES).
- PROVIDE CONCRETE GENERATOR PAD. SEE PAD FOUNDATION DETAIL FOR MORE INFORMATION. PROVIDE 3/4"x10" GROUND ROD AT EACH CORNER AND BOND TOGETHER WITH #4 BARE COPPER CONDUCTOR. EXTEND #4 PIGTAIL FROM GROUND RING TO CONDUIT OPENING FOR BONDING GENERATOR ENCLOSURE.
- PROVIDE JUNCTION BOX ABOVE CEILING (OR MOUNTED ABOVE DOOR WHERE INSTALLED IN EXPOSED AREAS) FOR DOOR HARDWARE CONNECTIONS. PROVIDE 1" FROM DOOR JUNCTION BOX BACK TO SYSTEM CONTROLLER IN TELECOMM ROOM. REFER TO DETAIL ON SHEET E8.04.
- PROVIDE EMERGENCY STOP PUSH BUTTON FOR BOILERS FOR POWER OFF. REFER TO DETAIL ON SHEET E09.05 FOR MORE INFORMATION.
- METER TO BE PULSE TYPE. THE ELECTRICAL CONTRACTOR TO REQUEST THE INSTALLATION OF THE PULSE METER WHEN THE COORDINATING WITH UTILITY.



Wake County  
Public School  
System



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



COPYRIGHT 2024 ALL RIGHTS RESERVED. PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD.

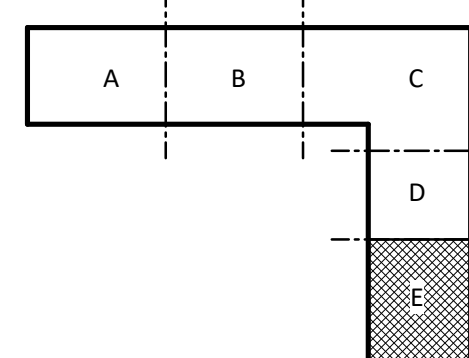
Swift Creek Elementary  
School

5601 Tryon Rd Raleigh, NC 27606

LS3P PROJECT: 9201-207411

DATE	DESCRIPTION
1 2024-05-01	ADDENDUM #4

KEY PLAN:



SHEET NAME:  
POWER PLAN -  
LEVEL 1 - AREA E

BID SET SUBMISSION: 2024.04.10

SHEET:  
E03.11E



BID SET



THE LINE DRAWING ABOVE IS EXACTLY ONE HUNDRED PERCENT COMPLETE AND CORRECT FOR THE PROJECT AND SHALL BE USED AS SUCH.

E

D

C

B

A

SWITCHBOARD AND WIRING SCHEDULE											
SWITCHBOARD: LDP1E			MAINS TYPE: MCB			SCCR (KA): 25					
VOLTAGE: 208Y/120V, 3P, 4W			SPD: No			AVAIL FAULT CURRENT (KA): 8.6					
AMPERES: 800 A			MOUNTING: SURFACE			SUPPLY FROM: T-LDP1E					
CKT	CIRCUIT DESCRIPTION	SETS	WIRE	GND	POLES	FRAME	TRIP	Load	REMARKS		
1	UK	1	(4) #300 KCMIL	#1	2-1/2"	3	250 A	225 A	28.5		
2	UBS - KITCHEN 1202	1	(4) #300 KCMIL	#1	2-1/2"	3	250 A	225 A	23.9		
3	LR1C	1	(4) #30	#3	2"	3	200 A	150 A	23.6		
4	LR1E-1	1	(4) #300 KCMIL	#1	2-1/2"	3	250 A	225 A	50.5		
5	LR1E-2	1	(4) #30	#3	2"	3	200 A	150 A	35.0		
6	SPARE	--	--	--	3	--	100 A	0.0			
7	SPARE	--	--	--	3	--	100 A	0.0			
8	SPARE	--	--	--	3	--	50 A	0.0			
9	SPARE	--	--	--	3	--	50 A	0.0			
10	SPD	--	--	--	3	--	60 A	0.0			
NOTES:											

PANELBOARD AND WIRING SCHEDULE																				
PANEL: LR1C								MAINS TYPE: MCB				SCCR (KA): 10								
VOLTAGE: 208Y/120V, 3P, 4W								SPD: No				AVAIL FAULT CURRENT (KA): 2.9								
AMPERES: 150 A								MOUNTING: SURFACE				SUPPLY FROM: LDP1E								
CIRCUIT DESCRIPTION		N	WIRE	GND	C	OC	P	CKT	A	B	C	CKT	P	OC	C	GND	WIRE	N	CIRCUIT DESCRIPTION	
REC - MECH 1102								20	1	0.5	1.1		2	1	20				REC - CORRIDOR 1100	
EW - CORRIDOR 1100		1						20	1	3			4	1	20				REC - MEDIA WKRM 1101A	
REC - MEDIA WKRM 1101A								20	1	5			0.9	0.9	6	1	20		REC - AV EQUIP STORAGE	
REC - MEDIA CENTER 1101								20	1	7	1.1	0.7			8	1	20		REC - MEDIA CENTER 1101	
REC - COLLAB 1101D								20	1	9					10	1	20		REC - MEDIA CENTER 1101	
REC - MEDIA CENTER 1101								20	1	11			0.7	1.1	12	1	20		REC - COLLAB 1101D	
REC - MEDIA CENTER 1101								20	1	13	1.4	0.4			14	1	20		REC - WP	
EF-3								20	1	15			0.7	0.7	16	1	20		REC - MEDIA CENTER 1101	
TOP								20	1	17			1.0	0.2	18	1	20		VAV CONTROL PANELS	
SEC-M H.E./MDF 1103								20	1	19	0.5	0.2			20	1	20		VAV CONTROL PANELS	
SEC-C HEAD END/MDF 1103								20	1	21			0.5	0.2	22	1	20		VAV CONTROL PANELS	
SEC-P HEAD END/MDF 1103								20	1	23					0.5	1.0	24	1	20	POWER SHADES - MEDIA 1101
POWER SHADES - MEDIA 1101								20	1	25	0.5	1.0			26	1	20		POWER SHADES - MEDIA 1101	
SPARE		--	--	--	--	--	--	20	1	27			0.0	1.1	28	1	20		REC - MEDIA CENTER 1101	
UH-1 MECH 1102								20	2	29	1.2	0.0			30	1	20		REC - MEDIA CENTER 1101	
SPARE		--	--	--	--	--	--	20	1	31	1.2	0.0			32	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	33			0.0	0.0	34	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	35					0.0	0.0	36	1	20	SPARE
SPARE		--	--	--	--	--	--	20	1	37	0.0	0.0			38	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	39			0.0	0.0	40	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	41					0.0	0.0	42	1	20	SPARE
SPARE		--	--	--	--	--	--	20	1	43	0.0	0.0			44	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	45			0.0	0.0	46	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	47					0.0	0.0	48	1	20	SPARE
SPARE		--	--	--	--	--	--	20	1	49	0.0	0.0			50	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	51			0.0	0.0	52	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	53					0.0	0.0	54	1	20	SPARE
SPARE		--	--	--	--	--	--	20	1	55	0.0	0.0			56	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	57			0.0	0.0	58	1	20	--	SPARE	
SPARE		--	--	--	--	--	--	20	1	59					0.0	0.0	60	1	20	SPARE
TOTAL LOAD (KVA):								8.6 kVA	6.6 kVA	8.5 kVA										
TOTAL CURRENT (A):								74 A	56 A	73 A										
PANEL TOTALS																				
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND		TOTAL CONNECTED LOAD: 24 KVA													
EQUIP		3000 VA	100.00%		3000 VA		TOTAL ESTIMATED DEMAND: 21 KVA													
HVAC		4540 VA	100.00%		4540 VA		TOTAL CONNECTED CURRENT: 66 A													
REC		14580 VA	84.29%		12290 VA		TOTAL ESTIMATED DEMAND CURRENT: 99 A													
EQUIP - MISC		1500 VA	100.00%		1500 VA															
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.																				
1. PROVIDE G.F.C.I. TYPE CIRCUIT BREAKER.																				

PANELBOARD AND WIRING SCHEDULE																					
PANEL: LR1E-1				MAINS TYPE: MLO				SCCR (KA): 10													
VOLTAGE: 208Y/120V, 3P, 4W				SPD: No				AVAIL FAULT CURRENT (KA): 7.0													
AMPERES: 225 A				MOUNTING: SURFACE				SUPPLY FROM: LDP1E													
CIRCUIT DESCRIPTION	N	WIRE	GND	C	OC	P	CKT	A	B	C	CKT	P	OC	C	GND	WIRE	N	CIRCUIT DESCRIPTION			
REC - CLASSROOM 1104					20	1	1	0.9	0.9		2	1	20					REC - CLASSROOM 1104			
REC - COMMONS 1106B					20	1	3		1.1	0.4		4	1	20				REC - ART 1106			
REC - ART 1106					20	1	5				0.7	0.7	6	1	20			REC - ART 1106			
REC - RAMP 1105A					20	1	7	0.7	0.9				8	1	20			REC - PLATFORM 1105B			
REC - CHR STO / DRESS 1105C					20	1	9			0.4	1.1		10	1	20			REC - PLAY 1105			
REC - KILN 1106B					20	1	11						12	1	20			REC - MUSIC 1108			
REC - MUSIC 1108					20	1	13	0.9	0.9				14	1	20			REC - PE OFF 1105F			
REC - PE STO 1105E					20	1	15			0.4	1.1		16	1	20			REC - RECEIVING 1203			
REC - CUST 1203C					20	1	17			0.4	1.1	18	1	20				REC - MING OFF 1203D			
REC - DINING 1201					20	1	19	0.9	0.7				20	1	20			1 EW - DINING 1201			
EW - CORRIDOR 1100	1				20	1	21			0.5	0.5		22	1	20			1 EW - CORRIDOR 1100			
REC - ELEC 1401					20	1	23					0.7	0.9	24	1	20		REC - CORRIDOR 1100			
EF-1 IT 1203A					20	1	25	0.7	0.7				26	1	20			EF-2 KILN 1106B			
REC - EXTERIOR					20	1	27		1.1	0.5			28	1	20			REC - EXTERIOR			
REC - EXTERIOR					20	1	29				0.7	0.9	30	1	20			REC - EXTERIOR			
REC - RESTROOMS					20	1	31	0.4	0.5				32	1	20			PROJECTOR - PLATFORM...			
MOTOR SCREEN - PLATFORM					20	1	33		0.5	1.1			34	1	20			REC - DINING 1201			
SCOREBOARD - PLAY 1105					20	1	35				0.5	0.5	36	1	20			REC - DINING ROOM			
GOAL BACKBOARD - 1105					20	1	37	1.0	1.5				38	1	20			POWER SHADES - DINING 1201			
GOAL BACKBOARD - 1105					20	1	39		1.0	0.7			40	1	20			REC - KILN FAN			
GOAL BACKBOARD - 1105					20	1	41			1.0	3.7	42									
GOAL BACKBOARD - 1105					20	1	43	1.0	3.7			44	3	40	3/4"	#8		KILN			
REC - PLATFORM 1105B					20	1	45			0.4	3.7		46								
PLATFORM LTG					20	1	47				0.3	0.5	48	1	20			SEC-M IT 1203A			
PLATFORM LTG					20	1	49	0.2	0.5				50	1	20			SEC-C IT 1203A			
PLATFORM LTG					20	1	51		0.2	0.4			52	1	20			REC - ART 1106			
SOUND EQUIPMENT					20	1	53				0.4	1.0	54	1	20			CONTRACTOR CABINET			
SOUND EQUIPMENT					20	1	55	0.4	1.0				56	1	20			CONTRACTOR CABINET			
PRESET STATION					20	1	57				0.2	1.2	58	1	20			MOTORIZED DOOR			
EQUIP					20	1	59				0.5	0.0	60	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	61	0.0	0.0				62	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	63			0.0	0.0		64	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	65				0.0	0.6	66	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	67	0.0	0.0				68	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	69			0.0	0.0		70	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	71				0.0	0.7	72	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	73	0.0	0.0				74	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	75			0.0	0.0		76	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	77				0.0	0.7	78	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	79	0.0	0.0				80	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	81			0.0	0.0		82	1	20	--	--	SPARE			
SPARE	--	--	--	--	20	1	83				0.0	0.0	84	1	20	--	--	SPARE			
TOTAL LOAD (KVA):				18.3 KVA	18.3 KVA				18.1 KVA												
TOTAL CURRENT (A):				152 A	135 A				134 A												
LOAD CLASSIFICATION										CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS					
EQUIP										20200 VA		100.00%		20200 VA		TOTAL CONNECTED LOAD: 49 KVA					
HVAC										1400 VA		100.00%		1400 VA		TOTAL ESTIMATED DEMAND: 42 KVA					
RITCH										180 VA		100.00%		180 VA							
LTNG										627 VA		100.00%		627 VA		TOTAL CONNECTED CURRENT: 135 A					
Motor										1200 VA		100.00%		1200 VA		TOTAL ESTIMATED DEMAND CURRENT: 115 A					
Rec										23820 VA		70.90%		16860 VA							
EQUIP - MISC										1000 VA		100.00%		1000 VA							
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.																					
1. PROVIDE G.F.C.I. TYPE CIRCUIT BREAKER.																					