AB	ANCHOR BOLT
A/C	AIR CONDITIONING
AC	ACOUSTICAL
ACT	ACOUSTICAL TILE
ADJT	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPR	APPROXIMATELY
ARCH	ARCHITECT
ASPH	ASPHALT
BD	BOARD
BET	BETWEEN
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK(ING)
BM	BENCH MARK
BOTT	BOTTOM
BRDG	BRIDGING
B.O.	BOTTOM OF
CAB	CABINET
CB	CATCH BASIN
CBD	CHALKBOARD
CEM	CEMENT
CI	CAST IRON
CJT	CONTROL JOINT
CLK	CAULK(ING), CAULK(ING)
CLG	CEILING
CMU	CONCRETE MASONARY UNIT
CO	CLEAN-OUT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION(ED)
CONST	CONSTRUCTION
CONT	CINTINUOUS
CONTR	CONTRACT(OR)
CP	CONCRETE PIPE
CPT	CARPET(ED)
CRS	COURSE(S)
CS	COUNTERSUNK
CT	CERAMIC TILE
DBL	DOUBLE
DIAM	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJT	EXPANSION JOINT
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
ENC	ENCLOSE(URE)(ED)
ENL	ENLATGE(ED)
EQ	EQUAL
EQP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WALL HEATER
EWP	EPOXY WALL PAINT
EX	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FAB	FABRICATE
FARM	FLUID-APPLIED ROOFING MEMBRANE
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	TO FINISH FACE
FFE	FINISH FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FLR	FLOOR(ING)
FMG	FRAMING
FND	FOUNDATION
FTG	FOOTING
GA	GAGE, GAUGE
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS,GLAZING
GP	GALVANIZED PIPE
GWB	GYPSUM WALL BOARD
GR	GRADE(ING)
GALV	GALVANIZED
HB	HOSE BIB
HBD	HARDBOARD
H/C	HANDICAPPED
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HOR	HORIZONTAL(LY)
HR	HOUR
HT	HEIGHT
HTG	HEATING
HW	HOT WATER
HWH	HOT WATER HEATER
HWD	HARDWORK
ID	INSIDE DIAMETER
INCL	INCLUDE(ING)(ED)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
J.C.	JANITOR'S CLOSET
JB	JOIST BEARING
JT	JOINT
LAM	LAMINATE(ED)
LAV	LAVATORY
LCTN	LOCATION
LKR	LOCKER(S)
LNG	LONGITUDINAL
LT	LIGHT
MAS	MASONRY
MAX	MAXIMUM
MBD	MARKERBOARD
MBR	MEMBER
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONARY OPENING
MRB	MARBLE
MTL	METAL
MDO	MEDIUM DENSITY OVERLAY
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIMENSION
OPER	OPERABLE
OPG	OPENING
OPP	OPPOSITE
OZ	OUNCE
PART	PARTIAL
PC	PIECE
PCC	PRECAST CONCRETE
PERI	PERIMETER
PERF	PERFORATED
PFB	PREFABRICATED
PFC	PREFINISHED CANOPY
PFN	PREFINISHED
PG	PLATE GLASS
PH	PEG HANGER
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLNT	PLANT(ER)(ED)
PNL	PANEL
PNT	PAINT(ED)
POL	POLISHED
PT	POINT
PTD	PAINTED
PTR	PAPER TOWEL RECEPTOR
PTW	PRESSURE TREATED WOOD
PTN	PARTITION
PV	PAVING
PWD	PLYWOOD
R	RISER
RA	RETURN AIR
RAD	RADIUS
RCM	RECESSED MAT
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RE	REINFORCED
RENO	RENOVATED
REQD	REQUIRED
RET	RETURN
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
RWB	RUBBER WALL BASE
SAB	SOUND ATTENUATION BLANKET
SCH	SCHEDULED
SCPR	SCUPPER
SD	STORM DRAIN
SEC	SECTION
SF	SQUARE FOOT
SHT	SHEET
SHTH	SHEATHING
SIM	SIMILAR
SMR	SINGLE-PLY MEMBRANE ROOF
SPEC	SPECIFICATION
SPL	SPECIAL
SQ	SQUARE
SST	STAINLESS STEEL
STL	STEEL
STD	STANDARD
STO	STORAGE
STR	STRUCTURAL
SUS	SUSPENDED
SW	SWITCH
SYM	SYMMETRY
T	TREAD
TB	TACK BOARD
TBR	TO BE REMOVED
TEL	TELEPHONE
TEM	TEMPERED
T&G	TONG AND GROOVE
THK	THICKNESS
THR	THRESHOLD
TOIL	TOILET
TPD	TOILET PAPER DISPENSER
TS	TACK STRIP
TRD	TREATED
TYP	TYPICAL
T/O	TOP OF
UC	UNDERCUT
UL	UNDERWRITERS LABORATORY
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTE
URNL	URINAL
V	VINYL
VB	VAPOR BARRIER
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VF	VINYL FABRIC
VTR	VENT THOUGH ROOF
W	WASHER
WC	WATER CLOSET
WD	WOOD
WIN	WINDOW
WP	WATERPROOFING
WT	WEIGHT
WSCT	WAINSCOT
WWF	WELDED WIRE FABRIC
W/	WITH
YD	YARD

STANDARD ABBREVIATIONS

5

KEY

4

VICINITY MAP

3

BID AND CONSTRUCTION

WEST COLUMBUS PK-8 GRADE SCHOOL

7685 ANDREW JACKSON HWY SW
CERRO GORDO, NC 28430
2 MAR. 2020

VOLUME ONE

Owner

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CONSULTANTS

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DRAWING INDEX

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 North Carolina CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

COVER SHEET / INDEX

BID AND CONSTRUCTION

CO

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part theref shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: West Columbus Pre-Kindergarten - 8th Grade School
Address: 7685 Andrew Jackson Hwy SW CerroGordo, NC Zip Code 28430
Owner/Authorized Agent: Tim Ward, Facilities Director Phone # (910) 642 - 0161 Mail tward@columbus.k12.nc.us
Owned By: Columbus County [X] City/County [ ] Private [ ] State
Code Enforcement Jurisdiction: [ ] City_____ [X] County_____ [ ] State

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DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
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Mechanical	Professional Engineering Associates	Karl Buddenbaum	12928	(704) 844-9300	karlb@peapa.com
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("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: [X] New Building [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Addition [ ] Phased Construction – Shell Core

2018 NC EXISTING BUILDING CODE: [ ] Prescriptive [ ] Alteration Level I [ ] Historic Property (check all that apply) [ ] Repair [ ] Alteration Level II [ ] Change of Use [ ] Chapter 14 [ ] Alteration Level III

CONSTRUCTED: (date) _____ **CURRENT OCCUPANCY(S)** (Ch. 3): _____
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch. 3): _____

OCCUPANCY CATEGORY (Table 1604.5): **Current:** III **Proposed:** Education K-12

BASIC BUILDING DATA
Construction Type: [ ] I-A [ ] I-B [ ] II-A [X] II-B [ ] III-A [ ] III-B [ ] IV [ ] V-A [ ] V-B (check all that apply)
Sprinklers: [ ] No [ ] Partial [X] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D
Standpipes: [X] No Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry
Primary Fire District: [X] No [ ] Yes **Flood Hazard Area:** [ ] No [ ] Yes
Special Inspections Required: [ ] No [X] Yes

GROSS BUILDING AREA TABLE (FOR NEW BUILDING ONLY)

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3rd Floor			
2nd Floor		25,291	
Mezzanine			
1st Floor		58,280	
Basement			
TOTAL		85,446	

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly [ ] A-1 [ ] A-2 [ ] A-3 [ ] A-4 [ ] A-5
Business [ ]
Educational [X]
Factory [ ] F-1 Moderate [ ] F-2 Low
Hazardous [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional [ ] I-1 [ ] I-2 [ ] I-3 [ ] I-4
I-1 Condition [ ] 1 [ ] 2
I-2 Condition [ ] 1 [ ] 2
I-3 Condition [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
Mercantile [ ]
Residential [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled
[ ] Parking Garage [ ] Open [ ] Enclosed [ ] Repair Garage
Utility and Miscellaneous [ ]

Accessory Occupancy Classification(s): Assembly Accessory to Education
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 – List Code Sections): _____
Special Provisions: (Chapter 5 – List Code Sections): _____
Mixed Occupancy: Select one Separation: Select one Exception: _____

Select one

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

_____ + _____ + ... = _____ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,2]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
2	Education	25,291	43,500	22,200	65,700
1	Education	58,280	43,500	47,599	105,788

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 1507 (F)
b. Total Building Perimeter = 1843 (P)
c. Ratio (F/P) = 1507/1843 (F/P)
d. W = Minimum width of public way = 30 (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	75	36	TABLE 504.3
Building Height in Stories (Table 504.4)	3	2	TABLE 504.4

* Provide code reference if the "Shown on Plans" quantity is not based on Table 503.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W,_____* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30 feet	0					
East	0 feet	0					
West	>30 feet	0					
South	>30 feet	0					
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North	>30 feet	0					
East	>30 feet	0					
West	>30 feet	0					
South	>30 feet	0					
Interior walls and partitions							
Floor Construction Including supporting beams and joists							
Floor/Ceiling Assembly		0					
Columns Supporting Floors		0					
Roof Construction, including supporting beams and joists						1	
Roof Ceiling Assembly		*					
Columns Supporting Roof		*					
Shaft Enclosures - Exit		1 hour		CO-1.3	UL U419	CO-2 CO-3	
Shaft Enclosures - Other		1 hour		CO-1.3	UL U419	CO-2 CO-3	
Corridor Separation		0					
Occupancy/Fire Barrier Separation		0					
Party/Fire Wall Separation		N/A					
Smoke Barrier Separation		N/A					
Smoke Partition		N/A					
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A					
Incidental Use Separation		2 hour		CO-1.4	UL U906	CO-2	

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
>30 feet			

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: [X] Yes [ ] No
Exit Signs: [X] Yes [ ] No
Fire Alarm: [X] Yes [ ] No
Smoke Detection Systems: [X] Yes [ ] No
Carbon Monoxide Detection: [X] Yes [ ] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: CO-2, FOR BOTH NEW AND EXISTING BUILDINGS; CO-3 FOR NEW 2ND FLOOR

[X] Fire and/or smoke rated wall locations (Chapter 7) MAIN MECHANICAL RM., ELEVATOR, MAIN STAIRS.
[X] Assumed and real property line locations (if not on the site plan)
[X] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[X] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[X] Occupant loads for each area
[X] Exit access travel distances (1017) 250 FEET
[X] Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) 75 FEET
[X] Dead end lengths (1020.4) 50 FEET
[X] Clear exit widths for each exit door 32 INCHES PER LEAF (ALL LEAVES ARE 36 INCHES)
[X] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[X] Actual occupant load for each exit door
[N/A] A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
[X] Location of doors with panic hardware (1010.1.10) NOTED "X" ON LIFE SAFETY PLANS
[X] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[X] Location of doors with electromagnetic egress locks (1010.1.9.9)
[N/A] Location of doors equipped with hold-open devices
[X] Location of emergency escape windows (1030) NOTED "E" ON LIFE SAFETY PLANS
[X] The square footage of each fire area (202) ONLY ONE FIRE AREA
[N/A] The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
[X] Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)
FOR ENTIRE CAMPUS

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING
(SECTION 1106)
FOR ENTIRE CAMPUS

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE SPACES PROVIDED
	REQUIRED	PROVIDED	VAN SPACES WITH			
			REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	
Parking Lot 1	53	53	2	1		3
Parking Lot 2	30	30	1	1		2
TOTAL	83	83	3	2		5

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)
FOR ENTIRE CAMPUS

USE		WATER CLOSETS			URINALS	LAVATORIES			SHOWERS/ TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G										
	NEW	7	13	8	7	10	10	8		2	2
	REQ'D	4	7	3	3	3	3	2		2	2
Gym/Caf.		2	4	2	3	3	3	3		1	1

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

DPI (School), Department of Insurance (over 20,000sf), DoL (elevator), DHHS (prek), DENR (site), USDA (loan)
NCDOT (driveways)

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: Select one

Exempt Building: Select one Provide code or statutory reference:

Climate Zone: Select one 3A * (*means warm-humid)

Method of Compliance: Select one
(If "Other" specify source here) Prescriptive

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: TECTUM III Roof Deck System; 7" total thickness.
U-Value of total assembly: 0.0286
R-Value of insulation: 33
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: Brick, 2" Air, 2" urethane insul., 1/2"sthh., 6" met.stud batts, 1/2"GWB. | Brick, 2" Air, 2" urethane insul., 8" CMU.
U-Value of total assembly: 0.0298 | 0.35
R-Value of insulation: 31.5 | 10
Openings (windows or doors with glazing)
U-Value of assembly: 0.35
Solar heat gain coefficient: 0.71
projection factor: N/A
Door R-Values: 10

Walls below grade (each assembly)
Description of assembly: 4" lightweight CMU, 2" Extruded Polystyrene, 8" lightweight CMU
U-Value of total assembly: 0.074
R-Value of insulation: 10

Floors over unconditioned space (each assembly)
Description of assembly: None
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: N/A in Zone 3
U-Value of total assembly: __ R-Value of insulation: _____
Horizontal/vertical requirement: _____
slab heated: _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:

Importance Factors: Wind (Iw) 1.15
Snow (Is) 1.10
Seismic (Ie) 1.25

Live Loads: Roof 20 psf
Mezzanine 125 psf
Floor 80/100 psf

Ground Snow Load: 10 psf

Wind Load: Basic Wind Speed 153 mph (ASCE-7)
Exposure Category B

SEISMIC DESIGN CATEGORY: [ ] A [ ] B [ ] C [X] D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) [ ] I [ ] II [X] III [ ] IV
Spectral Response Acceleration S_S 35%g S_1 15%g
Site Classification (ASCE 7) [ ] A [ ] B [ ] C [X] D [ ] E [ ] F
Data Source: [ ] Field Test [X] Presumptive [ ] Historical Data
Basic structural system (check one)
[ ] Bearing Wall [ ] Dual w/Special Moment Frame
[X] Building Frame [ ] Dual w/Intermediate R/C or Special Steel
[ ] Moment Frame [ ] Inverted Pendulum
Analysis Procedure: [ ] Simplified [X] Equivalent Lateral Force [ ] Dynamic
Architectural, Mechanical, Components anchored? [X] Yes [ ] No

LATERAL DESIGN CONTROL: Earthquake [X] Wind [ ]

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity 2,000 psf
Pile size, type, and capacity _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 3A
winter dry bulb: 21
summer dry bulb: 94

Interior design conditions
winter dry bulb: 70
summer dry bulb: 75
relative humidity: 55%

Building heating load: SD Estimate 1,636 Mbh

Building cooling load: SD Estimate 245 Tons

Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason.: 2@ 1230 mbh each
Chiller
Size category. If oversized, state reason.: 260 tons

List equipment efficiencies: Boilers > 82%; Chillers > or = 10.0FLV/14.0 IPLV EER

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code - Prescriptive

Lighting schedule See Energy Code Summary and Light Fixture Schedule on Electrical Sheets.
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Prescriptive Compliance
[ ] N 506.2.1 More Efficient Mechanical Equipment
[ ] 506.2.2 Reduced Lighting Power Density
[ ] 506.2.3 Energy Recovery Ventilation Systems
[ ] 506.2.4 Higher Efficiency Service Water Heating
[ ] 506.2.5 On-Site Supply of Renewable Energy
[ ] 506.2.6 Automatic Daylighting Control Systems

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC
DAVID H. CLINTON — 3671 — Registered Architect — CHAPEL HILL, NC
2 MAR. 2020

NO.	DATE	DESCRIPTION
1	20 MAR. 2020	LOCATION OF UL DETAILS
2		
3		
4		

APPENDIX B - MAIN BUILDING

BID AND CONSTRUCTION

CO-1.1

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: West Columbus Pre-Kindergarten - 8th Grade School: Existing Building + 2 Classroom Addition
Address: 7685 Andrew Jackson Hwy SW Cerro Gordo, NC Zip Code 28430
Owner/Authorized Agent: Tim Ward, Facilities Director Phone # (910) 642 - 0161 Mail tward@columbus.k12.nc.us
Owned By: Columbus County ☐ X City/County ☐ Private ☐ State
Code Enforcement Jurisdiction: ☐ City_____ ☐ X County_____ ☐ State

CONTACT:

DESIGNTR	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Szostak Design Inc.	David Clinton	3671	(919) 618-0166	dclinton@szostakdesign.com
Civil	CLIdesign	Matthew T.Barton	046279	(919) 319-6716	mba@clhdesignpa.com
Electrical	Haas&Kennedy	Steve Haas	10611	(704) 578-1392	steve@haaskennedy.com
Fire Alarm	Haas&Kennedy	Steve Hass	10611	(704) 578-1392	steve@haaskennedy.com
Plumbing	Professional Engineering Associates	Karl Buddenbaum	12928	(704) 844-9300	karlb@pcapa.com
Mechanical	Professional Engineering Associates	Karl Buddenbaum	12928	(704) 844-9300	karlb@pcapa.com
Sprinkler	Professional Engineering Associates	Karl Buddenbaum	12928	(704) 844-9300	karlb@pcapa.com
Structural	Gardner McDaniel	Bill Easterling	28335	(919) 789-0926	bill@gmengrs.com
Landscape Arch.	CLIdesign	Renee Pfeifer	1566	(919) 319-6716	rpfeifer@clhdesignpa.com

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: ☐ New Building ☐ Shell/Core ☐ 1st Time Interior Completions ☒ Addition ☐ Phased Construction ☐ Shell Core

2018 NC EXISTING BUILDING CODE: (check all that apply) ☐ Prescriptive ☐ Repair ☐ Chapter 14 ☐ Alteration Level I ☒ Alteration Level II ☐ Alteration Level III ☐ Historic Property ☐ Change of Use

CONSTRUCTED:(date) 2013 **CURRENT OCCUPANCY(S)** (Ch. 3): EDUCATION
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch. 3): EDUCATION
OCCUPANCY CATEGORY (Table 1604.5): **Current:** Education K-12 **Proposed:** Education K-12

BASIC BUILDING DATA
Construction Type: (check all that apply) ☐ I-A ☐ I-B ☐ II-A ☒ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☐ V-B
Sprinklers: X No ☐ Partial ☐ X NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Primary Fire District: ☒ No ☐ Yes **Flood Hazard Area:** ☒ No ☐ Yes
Special Inspections Required: ☐ No ☒ Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3rd Floor			
2nd Floor			
Mezzanine			
1st Floor	16,132	5,198	21,330
Basement			
TOTAL	16,132	5,198	21,330

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☒
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-1 Condition ☐ 1 ☐ 2
I-2 Condition ☐ 1 ☐ 2
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): Assembly Accessory to Education
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 – List Code Sections): _____
Special Provisions: (Chapter 5 – List Code Sections): _____
Mixed Occupancy: Select one Separation: Select one Exception: _____
Select one

$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$

_____ + _____ + ... = _____ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,2]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
1	Education	21,330	14,500	38,127	52,627

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 862 (F)
b. Total Building Perimeter = 950 (P)
c. Ratio (F/P) = 862/950 (F/P)
d. W = Minimum width of public way = 30 (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55	23	TABLE 504.3
Building Height in Stories (Table 504.4)	2	1	TABLE 504.4

Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/_____* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30 feet	0					
East	0 feet	0					
West	>30 feet	0					
South	>30 feet	0					
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North	>30 feet	0					
East	>30 feet	0					
West	>30 feet	0					
South	>30 feet	0					
Interior walls and partitions		1 HR	1 HR		2018 NCBC 721.1(2) 3.1-4		
Floor Construction Including supporting beams and joists							
Floor Ceiling Assembly		0					
Columns Supporting Floors		0					
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly		0					
Columns Supporting Roof		0					
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation		1 HR			2018 NCBC 721.1(2) 3.1-4		
Occupancy/Fire Barrier Separation TABLE 508.4	2 HR	2 HR			2018 NCBC 721.1(2) 3.1-4		
Party/Fire Wall Separation		N/A					
Smoke Barrier Separation		N/A					
Smoke Partition		N/A					
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A					
Incidental Use Separation		N/A					

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
>30 feet	NOT REQUIRED		
20 TO LESS THAN 25	NO OPENINGS	45%	0

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ X Yes ☐ No
Exit Signs: ☐ X Yes ☐ No
Fire Alarm: ☐ X Yes ☐ No
Smoke Detection Systems: ☐ X Yes ☐ No
Carbon Monoxide Detection: ☐ X Yes ☐ No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: _____

☐ X Fire and/or smoke rated wall locations (Chapter 7) MAIN MECHANICAL RM., ELEVATOR, MAIN STAIRS.
☐ X Assumed and real property line locations (if not on the site plan)
☐ X Exterior wall opening area with respect to distance to assumed property lines (705.8)
☐ X Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
☐ X Occupant loads for each area
☐ X Exit access travel distances (1017) 250 FEET
☐ X Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) 75 FEET
☐ X Dead end lengths (1020.4) 50 FEET
☐ X Clear exit widths for each exit door 32 INCHES PER LEAF (ALL LEAVES ARE 36 INCHES)
☐ X Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☐ X Actual occupant load for each exit door
☐ N/A A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
☐ X Location of doors with panic hardware (1010.1.10) NOTED "X" ON LIFE SAFETY PLANS
☐ X Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ X Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ N/A Location of doors equipped with hold-open devices
☐ X Location of emergency escape windows (1030) NOTED "E" ON LIFE SAFETY PLANS
☐ X The square footage of each fire area (202)
☐ N/A The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ X Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING
(SECTION 1106)
COMPLETE CAMPUS SHOWN

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED: REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
Parking Lot 1	53	53	2	1		3
Parking Lot 2	30	30	1	1		2
TOTAL	83	83	3	2		5

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1) MODIFIED BY 2902.9
ONLY THIS BUILDING

USE		WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS /TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXIST'G	3	6		3			5		2	1
	NEW			7				7			1
	REQ'D	3	6	3	3			6		2	2

ONE UNISEX TOILET FOR THE FACULTY; 5 UNISEX TOILETS SERVE 7 OF THE 12 CLASSROOMS (PK & K)

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

DPI (School), Department of Insurance (over 20,000sf), DoL (elevator), DHHS (PreK), DENR (site), USDA (loan), NCDOT (driveways)

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: Select one

Exempt Building: Select one Provide code or statutory reference:

Climate Zone: Select one 3A * (*means warm-humid)

Method of Compliance: Select one
(If "Other" specify source here) Prescriptive

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: TECTUM III Roof Deck System; 7" total thickness.
U-Value of total assembly: 0.0286
R-Value of insulation: 33
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: Brick, 2" Air, 2" urethane insul., 1/2"shth., 6" met.stud/batts, 1/2"GWB. Brick, 2" Air, 2" urethane insul., 8" CMU.
U-Value of total assembly: 0.0298 0.35
R-Value of insulation: 31.5 10
Openings (windows or doors with glazing)
U-Value of assembly: 0.35
Solar heat gain coefficient: 0.71
projection factor: N/A
Door R-Values: 10

Walls below grade (each assembly)
Description of assembly: 4" lightweight CMU, 2" Extruded Polystyrene, 8" lightweight CMU
U-Value of total assembly: 0.074
R-Value of insulation: 10

Floors over unconditioned space (each assembly)
Description of assembly: None
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: N/A in Zone 3 U-Value of total assembly: __ R-Value of insulation: _____
Horizontal/vertical requirement: _____
slab heated: _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:

Importance Factors: Wind (I_W) 1.15; Snow (I_S) 1.10; Seismic (I_E) 1.25

Live Loads: Roof 20 psf; Mezzanine 125 psf; Floor 80/100 psf

Ground Snow Load: 10 psf

Wind Load: (Existing - built to 2012 NCBC) Basic Wind Speed 120 mph (ASCE-7) - 153 mph, for addition
Exposure Category B

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ X D

Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) ☐ I ☐ II ☒ III ☐ IV
Spectral Response Acceleration S_S 35%g S_1 15%g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☒ D ☐ E ☐ F
Data Source: ☐ Field Test ☒ Presumptive ☐ Historical Data
Basic structural system (check one)
☐ Bearing Wall ☐ Dual w/Special Moment Frame
☒ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Analysis Procedure: ☐ Simplified ☒ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☒ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☒ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity 2,000 psf
Pile size, type, and capacity _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 3A
winter dry bulb: 21
summer dry bulb: 94

Interior design conditions
winter dry bulb: 70
summer dry bulb: 75
relative humidity: 55%

Building heating load: SD Estimate 1,636 Mbh

Building cooling load: SD Estimate 245 Tons

Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason.: 2@ 1230 mbh each
Chiller
Size category. If oversized, state reason.: 260 tons

List equipment efficiencies: Boilers - 82%; Chillers > or = 10.0FLV/14.0 IPLV EER

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code - Prescriptive

Lighting schedule See Energy Code Summary and Light Fixture Schedule on Electrical Sheets.
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage spscified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Prescriptive Compliance
☒ N 506.2.1 More Efficient Mechanical Equipment
☐ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficiency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable Energy
☐ 506.2.6 Automatic Daylighting Control Systems

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC
David H. Clinton — Registered Architect — 3671 — North Carolina — Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

APPENDIX B - EXISTING BLDG INCLUDING ADDITION

BID AND CONSTRUCTION

CO-1.2

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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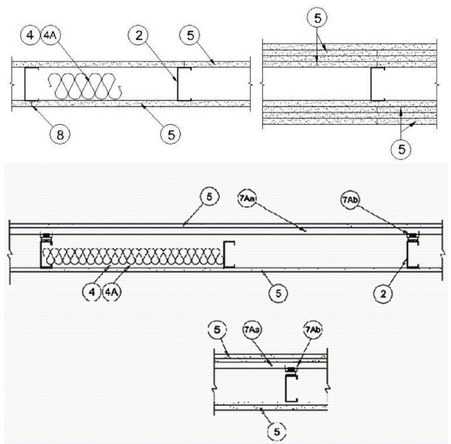
Design No. U419
September 28, 2018

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

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



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

1A. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack25™

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

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

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

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

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

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

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

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

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

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

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

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

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

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

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

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

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

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

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

1J. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.
TELLING INDUSTRIES L L C — Viper25™ Track

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

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

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

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

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

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

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

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

CRACO MFG INC — SmartStud25™

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

FUSION BUILDING PRODUCTS — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

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

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

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

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

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

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

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

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

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

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

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

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

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

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

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

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

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

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

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

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

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

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

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

3. **Wood Structural Panel Sheathing —** (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

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

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

4B. **Batts and Blankets* —** For use with Item 5K. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

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

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

Gypsum Board Protection on Each Side of Wall

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

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

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

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

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

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

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

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

USG MEXICO S A DE C V — Type SHX.

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

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

UNITED STATES GYPSUM CO — Type SCX, SGX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

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

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX

USG MEXICO S A DE C V — Type USGX

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

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

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

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

Gypsum Board Protection on Each Side of Wall

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

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

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

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

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

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

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

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

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

5K. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) need not be staggered. The number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Licensed Professional Architecture 51679 North Carolina Chapel Hill, NC

David H. Clinton Registered Architect 3671 North Carolina Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

UL DETAIL

BID AND CONSTRUCTION

CO-1.3

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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Gypsum Board Protection on Each Side of Wall

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

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

6. **Fasteners** — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer.**Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in.

thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. **Furring Channels** — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. **Furring Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

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

7B. **Framing Members*** — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets (Insulation) as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC — Type Isomax

7C. **Framing Members*** — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Last Updated on 2018-09-28

Design No. U906

-THIS DESIGN WILL ALSO BE USED FOR 1 HOUR-RATED MASONRY

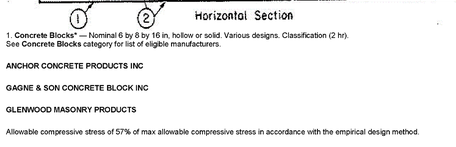
February 19, 2019

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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



1. **Concrete Blocks*** — Nominal 6 by 8 by 16 in, hollow or solid. Various designs. Classification (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.

ANCHOR CONCRETE PRODUCTS INC

GAGNE & SON CONCRETE BLOCK INC

GLENWOOD MASONRY PRODUCTS

Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method.

OLDCASTLE APG SOUTH INC, DBA ADAMS PRODUCTS

WESTBROOK CONCRETE BLOCK CO INC

Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the empirical design method.

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).

4. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", EnergyShield CGF Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS — Types Xci-Class A, Xci 286

RMAX OPERATING L L C — Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath-XP", "Thermasheath", "Durasheath", "Thermasheath-3", "Durasheath-3".

THE DOW CHEMICAL CO — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and TUFF-R™ ci Insulation

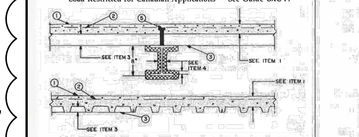
4A. **Building Units** — As an alternate to Item 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.
RMAX OPERATING L L C — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply"

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

Last Updated on 2019-02-19

Design No. D916

Restrained Assembly Ratings — 3/4, 1, 1-1/2, 2 or 3 Hr.
(See Items 1, 6, 7, 8 and 11)
Unrestrained Assembly Rating — 0 Hr. (See Items 3, 4 and 4A)
Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.
(See Items 4, 4A, 7 and 11)
Load Restricted for Canadian Applications — See Guide BXUV7



Supports — 8x28 min size steel beams. Or steel joists or joist girders (not shown), composite or noncomposite. Welded or bolted to end supports. Designed per S.J.I. specifications for a max tensile stress of 30 ksi. May be either uncoated or provided with a shop coat of paint. For the 2 h or less Restrained or Unrestrained Beam Ratings, top and bottom chords shall each consist of two angles with a min total area of 0.96 sq. in. and 0.77 sq. in., respectively. Web members shall be either round bars or angles. Min area of the end diagonal web shall be 0.444 sq. in. Min area of each of the first six interior diagonal webs shall be 0.426 sq. in. All other interior webs shall have a min area of 0.196 sq in. For the 3 h Restrained or Unrestrained Beam Ratings, each of the top and bottom chords shall consist of two angles with a min total area of 1.74 sq. in. Web members shall be either round bars or angles. Min area of each of the first five end webs shall be 0.886 sq in. All other interior webs shall have a min area of 0.441 sq in. Bridging per S.J.I. specifications is required when noncomposite joists are used. For noncomposite joists, steel filler pieces of proper size, 1 to 2 in. long shall be welded to and between the top chord angles at midway between all top chord panel points.

1. **Normal Weight or Lightweight Concrete** — Normal weight concrete carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, or slate aggregate by rotary-kiln method, or expanded clay aggregate by rotary-kiln or sintered-grate method, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	147-153	3-1/2
1-1/2	Normal Weight	147-153	4
2	Normal Weight	147-153	4-1/2
3	Normal Weight	147-153	5-1/4
3/4 or 1 (See Item 6)	Lightweight	107-113	2-1/2
1	Lightweight	107-120	2-5/8
1-1/2	Lightweight	107-113	3
2	Lightweight	107-113	3-1/4
2	Lightweight	107-116	3-1/4*
2	Lightweight	114-120	3-1/2
3	Lightweight	107-113	4-3/16
3	Lightweight	114-120	4-7/16

*For use with 2 or 3 in. steel floor and form units only.

2. **Welded Wire Fabric** — 6 x 6, 10 x 10 SWG.
3. **Steel Floor and Form Units*** — Composite. All 1 "1/2" or 2 in. deep, galv galv units or 4-1/2 in. deep noncomposite galvanized units. Fluted units may be uncoated or phosphatized/painted. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular units. The following combinations of units may be used:
   (1) all 1B, 2A, 2B, 2B or 3E in. wide cellular.
   (2) all fluted.
   (3) one or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular units, alternating with 3 in. deep fluted or other cellular.
   (4) any blend of fluted and 1B, 2A, 2B, 2B, or 3E in. wide cellular.
   (5) 3 in. deep, 30 in. wide cellular with 8-1/8 in. wide valley along side joints may be used when 3/8 in. diam reinforcing bars are placed 1-1/2 in. to each side of side joints and 1 in. above bottom of unit.
   (6) Corrugated, 1-5/16 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC. through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC., but less than or equal to 12 in. OC., steel deck stress shall not exceed 12 KSI.
   ASC STEEL DECK, DIV OF ASC PROFILES
   INC—24 in. wide Types B, BF-24, BR, BMOD, BRMOD, N, NI; 2W24, 3W24, 2WI24, 3WI24; 30 in. wide Types B, BF-30, BR; 36 in. wide Types B-36, 2W36, 3W36, 2WF36, 3WF36; 24 or 30 in. wide Types ASC2 or ASC3.
   CANAM STEEL CORP — 36 in. wide Type Type N-3623, P-3606, and I-2432 composite.
   CONSOLIDATED SYSTEMS INC —24 in. wide Types CFD-2, CFD-3; 24, 30 or 36 in. wide Type CFD-1.5; 24 or 36 in. wide Types Mac-Lok 2, Mac-Lok 3; 24 in. wide, Types BPC, BPC, NC, NFC; 30 in. wide Type B3C; 12 in. wide Mac-Way cellular 45 MOW, 2-633 MTWA, 3-633 MTWA, 2-633MTWV, 3-633MTWV+, 24 in. wide Type Versa-Deck.
   DECK WEST INC —36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of Type 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screws 36 in. OC.
   EPIC METALS CORP —24 in. wide Types EC150, ECP150, EC300, ECP300, EC366, ECP366, EC750, EC1500, EC300 inverted, Epicore Ay 2.0 ECA, 36 in. wide Types EC 8150, ECBX150; 36 in. wide Type EC766.
   GENS METALS INC —24 or 36 in. wide Types LF2, LF3.
   MARLYN STEEL DECKS INC — Type 1.5 CF, 2.0 CF or 3.0 CF.
   CHIA TEH CONSTRUCTION MATERIAL CO LTD —24 or 36 in. wide Mac-Lok 3; 24 in. wide CFD-3.
   CHIA TEH CONSTRUCTION MATERIAL CO LTD —24 or 36 in. wide Mac-Lok 2, 3; 24 in. wide CFD-3.
   HAMBRO STRUCTURAL SYSTEMS, DIV OF CANAM STEEL CORP —36 in. wide, 1-1/2 in. Type 7361SHB. The max supportspanned loadings for Type 7361SHB units shall not exceed 250 PSF. For single spans, the use of the units shall be limited to 5 ft 6 in., 6 ft 0 in. and 6 ft 6 in. max spans for the 22, 20 and 18 gauge units, respectively. For multiple spans, 18 gauge units may be used on a max 7 ft 6 in. spans with a max total superimposed loading of 240 PSF.
   H H ROBERTSON — QL Types, 24 in. wide 3 or 3 inverted, UKX, UKX-3, 2 in. 99, AKX, 21 or 21 inverted, 121, NKX, TKX; 24 or 30 in. wide CKX, GKXH, GKX, 3, 36 in. wide 99, AKX, WKX; 24, 26 or 36 in. wide NKX; 1.5NKC, NKC, AKX, 2 or 3 in. TKX; 12 in. wide noncomposite Sec. 12; 17 in. wide 21; 2.6 or 2.8 in. wide UKX, 87.5 in. wide. Side joints of QL, 99, 121, WKX, TKX, TKC, and Metric units - QL-77-900, QLC-77-900 may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX and Metric units - QL-77-900 and QLC-78-900 may be fastened together with min 1 in. long No. 12-14 self-drilling, self-tapping steel screws 36 in. OC.
   NEW MILLENNIUM BUILDING SYSTEMS L L C — Type 1.5CD, 2.0CD, or 3.0CD.
   ROOF DECK INC —36 in. wide Types LOK 1 1/2, LOK 1 1/2 Rs; 24 in. wide Types LOK-2, LOK-3.
   MORIN CORP —24, 30 or 36 in. wide Types LXR-8, LXR-8 inverted; 24 or 36 in. wide Type LXR-3W; 36 in. wide Type LXR-2W.
   UNITED STEEL DECK INC —24 in. wide, Types 1-1/2, 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24 in. wide, Types 1-1/2 in. B-LOK and B-LOK-Cell.
   VALLEY JOIST — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2.
   VERCO MFG CO — 24, 30 or 36 in. wide Types PLW, B, BR; 24 or 36 in. wide Types PLW2, W2, PLW3, W3; 24 in. wide Types PLN, N. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or in. wide PLW2, W2, PLW3 or W3 units, respectively. Units may be phos/ptd.
   VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide, Types 1.5VL, 1.5VL1, 1.5VLP, 1.5VLR; 24 or 36 in. wide, Types 2VLI, 3VLI, 2VLP, 3VLP. Side joints of Type 1.5VL may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC max.
   THE WIREMOLD COMPANY —24 in. wide, Types 2 or 3 in. WDR.
   WHEELING-PITTSBURGH STEEL CORP, DIV OF WHEELING CORRUGATING CO —30 in. wide, Types SB-150, -150N, -150NR, -150S; 30 or 36 in. wide Types SB-B16LF, -B16LFR; 24 or 36 in. wide Types SB-P21LF, -P31LF; 24 in. wide Types SB-200, -300. Type SB-B16LFR may be phos/ptd. Lock form Type, 24, 30 or 36 in. Types B16LF, B16LFNV; 24 in. wide Types C34LF, N34LF, P34LF, P34LFNV; 12, 24 or 36 in. wide Types C20LF, C30LF, C31LF, P20LF, P30LF, P31LF; 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB; 36 in. wide Type High Strength 1.5 SBI; 36 in. wide Type High Strength 1.5 SBD; 36 in. wide Types 1-1/2 in. V-Grip, 1-1/2 in. RV-Grip; 24 or 36 in. wide Types 212V-Grip, 312 V-Grip; 36 in. wide Types 212VW0-Wireway, 312VW0-Wireway.
   Components for field — assembled cellular metal raceway units: Raceway header — 24, 36 in. wide Types 212VS, 312VS. Raceway cover plate — Types CP-12, CP-16. Raceway divider — Types DC-20, DC-25.
   Raceway isolation trough — Types T-20, T-25, T-30.
   Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints. For **3 Hr. Rating**, units with overlapping type side joints welded together 24 in. OC max.
   When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.
   +12 in. wide, 1-1/2 in. deep Mac-Way units may be blended with 24 in. wide B2C or 30 in. wide B3C units in a blend of one cell to one or more fluted units. 12. in. wide, 2 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock 2 units in a blend of one cell to one or more fluted units. 12 in. wide, 3 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock3 units in a blend of one cell to one or more fluted units. The side edge of the fluted unit is placed on the top of the side edge of the Mac-Way unit and the two are welded together with welding washers spaced a max. of 32 in. OC for Mac-Lock 2 or 3 units and a max. of 24 in. OC for B2C or B3C units.
   The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating for a max of 3 Hr. and is limited to the following units and limitations:
   (a) 1-1/2 in. deep, 24 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.
   (b) 1-1/2 in. deep, 24 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.
   (c) 1-1/2 in. deep, 24 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.
   (d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.
4. **Spray-Applied Fire Resistive Materials*** — Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min density of 19/18 pcf respectively. Min avg and min density of 15/14 pcf respectively. Min avg and min density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1-1/2	13/16
1-1/2	1-1/2	1-1/2	1/2
2	1	1	1/2
2	1-1/2	1-1/2	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	7/8
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	9/16
1-1/2	1	1	9/16
1-1/2	1-1/2	1-1/2	7/8
2	1	1	9/16
2	2	2	1-3/16
3	1-1/2	1-1/2	7/8
3	3	3	1-3/4

+Thickness applied to beams' lower flange edge to be 1/4 in. min.
The thickness of material required on the steel joist for the various ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Joist & Bridging In.
1	1	1-1/8
1-1/2	1-1/2	1-3/4
2	2	2-1/8
3	3	2-7/8

SB-B16LF, -B16LFR; 24 or 36 in. wide Types SB-P21LF, -P31LF; 24 in. wide Types SB-200, -300. Type SB-B16LFR may be phos/ptd. Lock form Type, 24, 30 or 36 in. Types B16LF, B16LFNV; 24 in. wide Types C34LF, N34LF, P34LF, P34LFNV; 12, 24 or 36 in. wide Types C20LF, C30LF, C31LF, P20LF, P30LF, P31LF; 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB; 36 in. wide Type High Strength 1.5 SBI; 36 in. wide Type High Strength 1.5 SBD; 36 in. wide Types 1-1/2 in. V-Grip, 1-1/2 in. RV-Grip; 24 or 36 in. wide Types 212V-Grip, 312 V-Grip; 36 in. wide Types 212VW0-Wireway, 312VW0-Wireway.
Components for field — assembled cellular metal raceway units: Raceway header — 24, 36 in. wide Types 212VS, 312VS. Raceway cover plate — Types CP-12, CP-16.
Raceway divider — Types DC-20, DC-25.
Raceway isolation trough — Types T-20, T-25, T-30.
Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints. For **3 Hr. Rating**, units with overlapping type side joints welded together 24 in. OC max.
When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.
+12 in. wide, 1-1/2 in. deep Mac-Way units may be blended with 24 in. wide B2C or 30 in. wide B3C units in a blend of one cell to one or more fluted units. 12. in. wide, 2 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock2 units in a blend of one cell to one or more fluted units. The side edge of the fluted unit is placed on the top of the side edge of the Mac-Way unit and the two are welded together with welding washers spaced a max. of 32 in. OC for Mac-Lock 2 or 3 units and a max. of 24 in. OC for B2C or B3C units.
The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating for a max of 3 Hr. and is limited to the following units and limitations:
(a) 1-1/2 in. deep, 24 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.
(b) 1-1/2 in. deep, 24 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.
(c) 1-1/2 in. deep, 24 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.
(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.
4. **Spray-Applied Fire Resistive Materials*** — Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-5/16

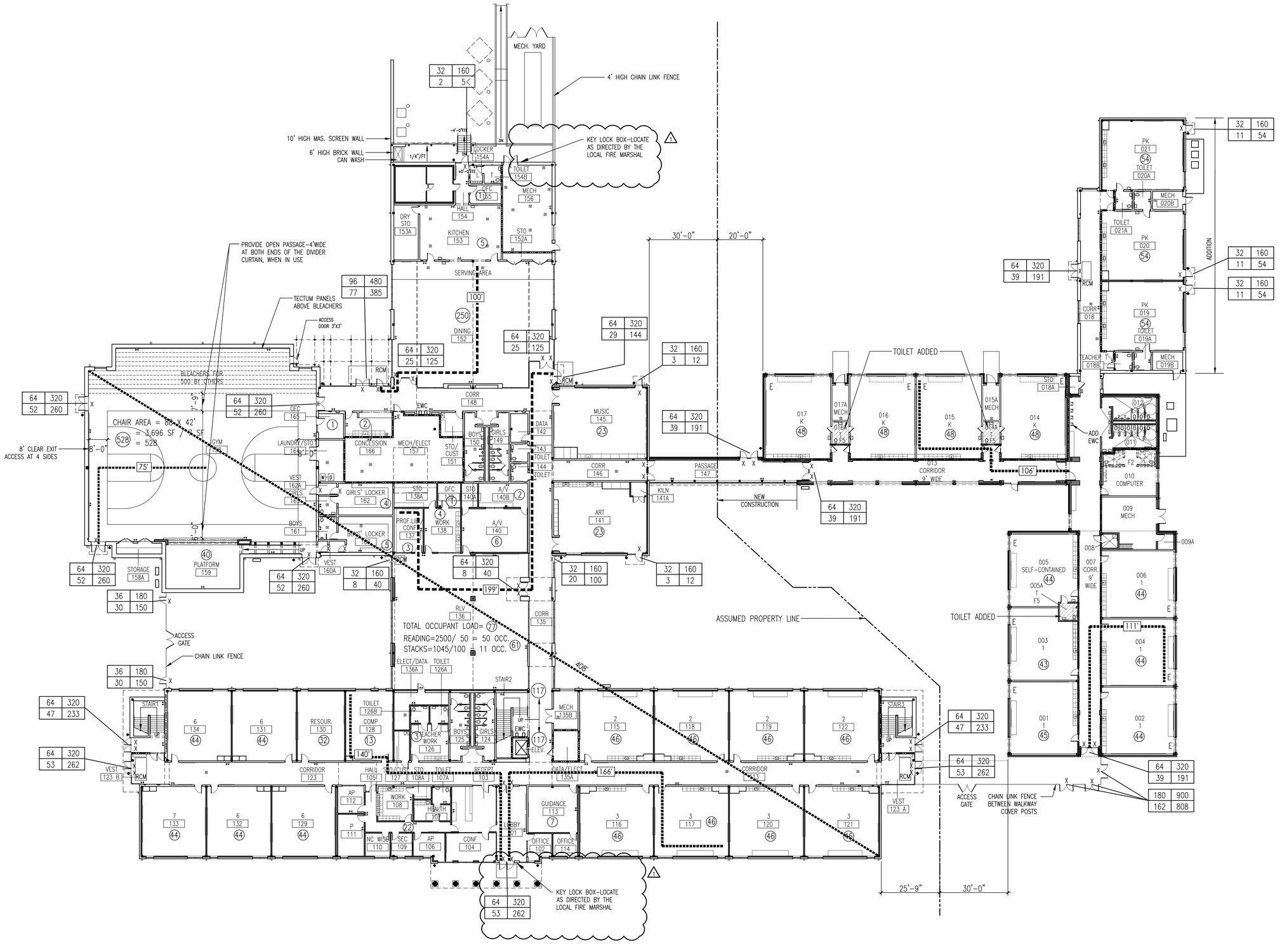
+Thickness applied to beams lower flange edge to be 1/4 in. min.
The thickness of material required on the steel joist for the various Ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Type of Concrete	Spray Applied Fire Resistive Mtl Thkns In.
1	1	NW or LW	1-1/8
1-1/2	1-1/2	NW or LW	1-3/4
2	2	NW or LW	2-1/4
3	3	NW or LW	2-7/8

W R GRACE & CO - CONN—Types Z- 105, Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.
GRACE KOREA INC—Types Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.
SOUTHWEST FIREPROOFING PRODUCTS CO—Types 7GP, 7HD.

4B. **Alternate Spray-Applied Fire Resistive Materials** — Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. The thicknesses shown in the table below are applicable to beams supporting all fluted floor or form units. Min avg and min density of 40/36 pcf, respectively. For density determination refer to Design Information Section.

Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr	Concrete Type	Spray Applied Fire Resistive Mtl Thkns on Beam In.



SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

- 2 HOUR RATED WALL
- 1 HOUR RATED WALL
- (54) OCCUPANT LOAD – RELATING TO CALCULATION
- [72] MAXIMUM EXIT ACCESS TRAVEL DISTANCE
- >75' COMMON PATH OF TRAVEL
- WIDTH | CAPACITY — PROVIDED / REQUIRED — EXIT
- E EGRESS WINDOW
- X EGRESS DOOR WITH PANIC HARDWARE, EXIT SIGN
- AREA OF ALTERATION
- GATE GATE WITH PANIC HARDWARE
- EMERGENCY LIGHTING

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. 51679 North Carolina Chapel Hill, NC

David H. Clinton 3671 Registered Architect North Carolina Chapel Hill, NC

2 MAR, 2020

NO.	DATE	DESCRIPTION
1	20 MAR, 2020	LOCATION OF KEY LOCK BOXES
2		
3		
4		

LIFE SAFETY PLAN - FIRST FLOOR

BID AND CONSTRUCTION

CO-2

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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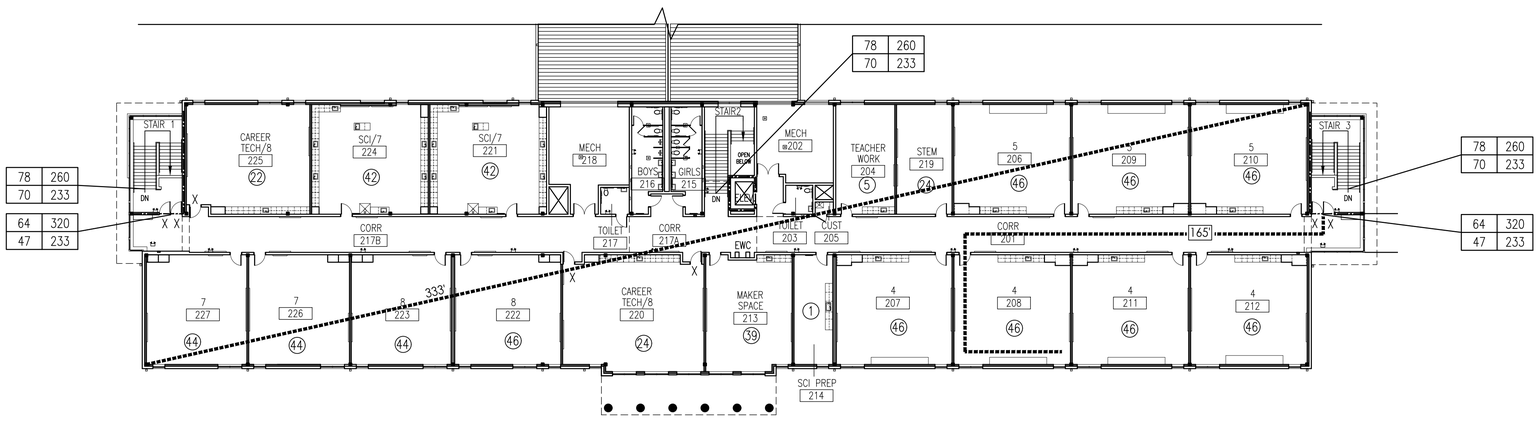
LIFE SAFETY PLAN - FIRST FLOOR
SCALE: 1" = 20'-0"



SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

- 2 HOUR RATED WALL
- 1 HOUR RATED WALL
- (54) OCCUPANT LOAD – RELATING TO CALCULATION
- [72] MAXIMUM EXIT ACCESS TRAVEL DISTANCE
- >75' COMMON PATH OF TRAVEL
- WIDTH | CAPACITY — PROVIDED / REQUIRED — EXIT
- E EGRESS WINDOW
- X EGRESS DOOR WITH PANIC HARDWARE, EXIT SIGN
- AREA OF ALTERATION
- GATE GATE WITH PANIC HARDWARE
- EMERGENCY LIGHTING

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Licensed Architecture 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON Registered Architect 3671 North Carolina Chapel Hill, NC

2 MAR, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

LIFE SAFETY PLAN - SECOND FLOOR

BID AND CONSTRUCTION

CO-3

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LIFE SAFETY PLAN - SECOND FLOOR

SCALE: 1/20" = 1'-0"

WEST COLUMBUS PK-8 SCHOOL

BID AND CONSTRUCTION DOCUMENTS

7685 ANDREW JACKSON HWY SW
CERRO GORDO, NC 28430
CLH DESIGN PROJECT NUMBER: 18-144

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C7.02	SITE DETAILS
C7.03	SITE DETAILS
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C7.07	SITE DETAILS
C7.08	SITE DETAILS
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C7.10	SITE DETAILS
C7.11	SITE DETAILS
C7.12	SITE DETAILS
	LIGHTING PLAN

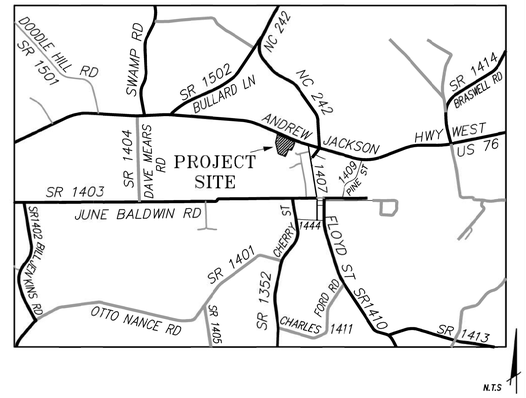
PARKING CALCULATIONS

Elementary School	2 spaces for each classroom 2 spaces for each administrative office 10 additional spaces (Spaces are required to be 9' x 20')
38 Classrooms	38 x 2 = 76 SPACES
4 Administrative Offices	4 x 2 = 8 SPACES
Additional 10 required spaces	+ 10 SPACES
Total Required Parking Spaces	94 REQUIRED PARKING SPACES
	96 PROVIDED PARKING SPACES

OWNER & DESIGNER INFORMATION

LAND OWNER: OWNER CONTACT:	COLUMBUS COUNTY SCHOOLS JONATHAN WILLIAMS, ASSOCIATE SUPERINTENDENT 817 WASHINGTON ST, WHITEVILLE, NC 28472 PHONE: 910-642-5168
DESIGNER: DESIGNER CONTACT:	CLH DESIGN, PA RENEE PFEIFER REGENCY PARK 400 REGENCY FOREST DR., SUITE 120 CARY, NC 27518 PHONE: 919-319-6716 FAX: 919-319-7516
PROPERTY DEED BOOK AND PAGE:	DB 1049 PG 323

VICINITY MAP



SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 RENEE C. PFEIFER 3-2-20

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE COVER SHEET

C0.00

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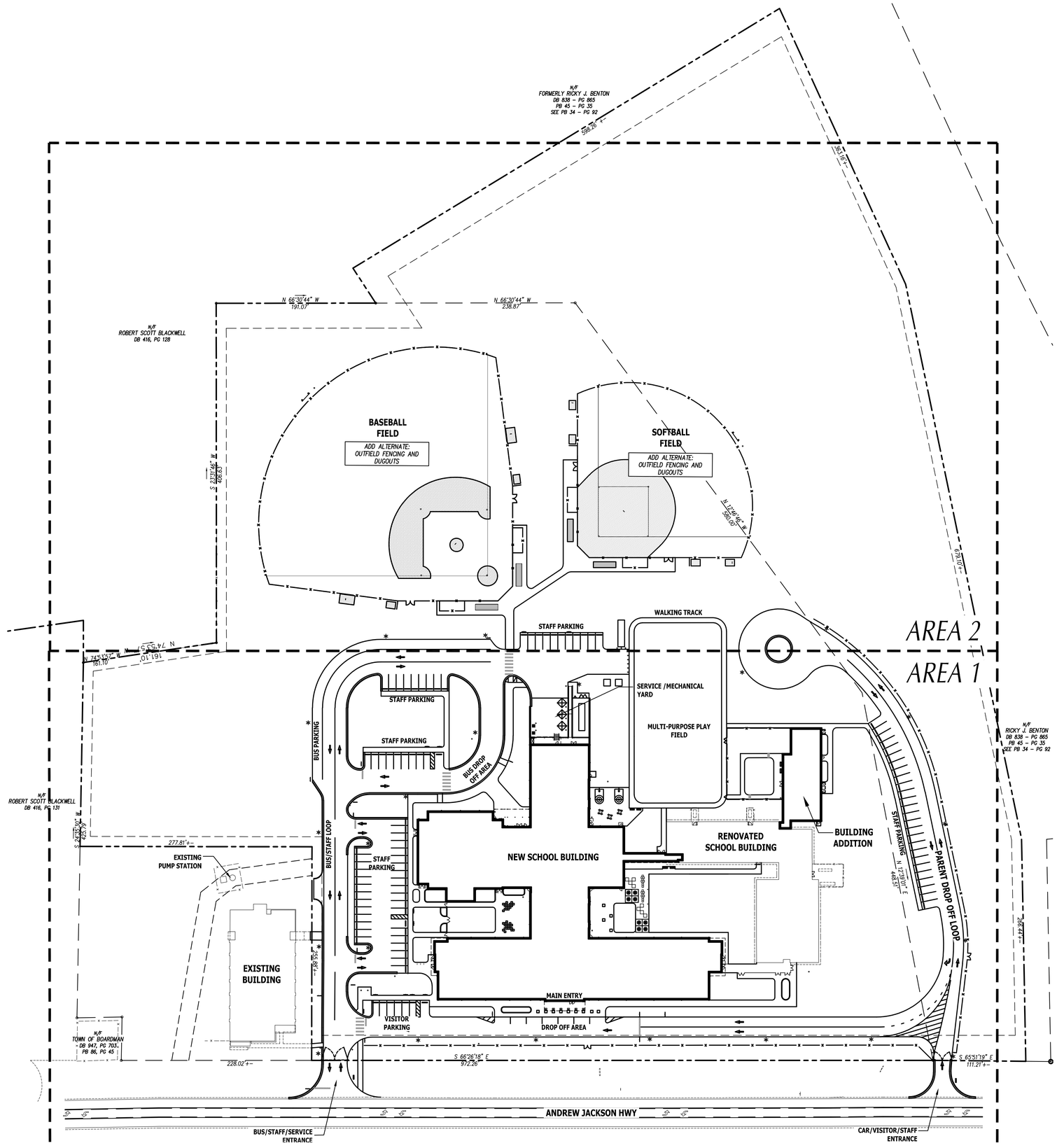

SITE DATA	
PROJECT:	WEST COLUMBUS PK-8 SCHOOL
OWNER:	COLUMBUS COUNTY SCHOOLS
OWNER CONTACT:	JONATHAN WILLIAMS, ASSOCIATE SUPERINTENDENT 817 WASHINGTON ST. WHITEVILLE, NC 28472 PHONE: 910-642-5168
DESIGNER:	CLH DESIGN, PA
DESIGNER CONTACT:	RENEE PFEIFER, PLA, ASLA 400 REGENCY FORESY DRIVE STE. 120 CARY, NC 27518 919-319-6716
PROJECT ADDRESS:	7685 ANDREW JACKSON HWY SW CERRO GORDO, NC
PLANNING JURISDICTION	TOWN OF CERRO GORDO
ZONING:	AGRICULTURAL FORESTRY DISTRICT
SITE ACREAGE:	22.26 ACRES
PROPERTY DB & PG	DB 1049 PG 323
PARKING REQUIREMENTS:	2 SPACES FOR EACH CLASSROOM 2 SPACES FOR EACH ADMINISTRATIVE OFFICE 10 ADDITIONAL SPACES 38 X 2 = 76 SPACES 4 X 2 = 8 SPACES 94 REQUIRED SPACES 96 PROVIDED SPACES

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1566 RENEE C. PFEIFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

OVERALL SITE PLAN

C0.01

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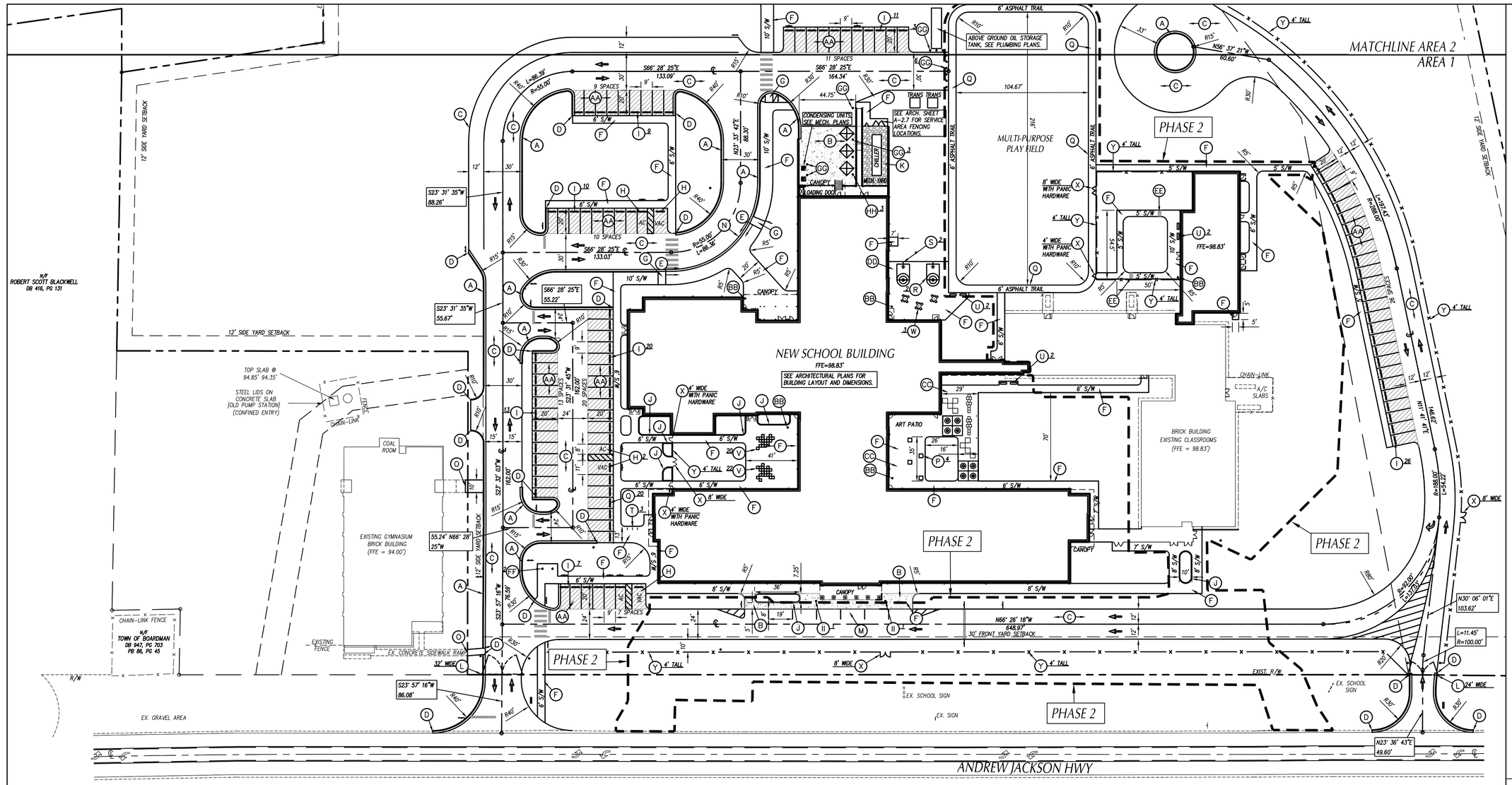

KEY NOTES

- (A) 24" CONCRETE CURB & GUTTER, SEE DETAIL SHEET C7.05.
- (B) CONCRETE PAVEMENT, SEE DETAIL SHEET C7.05.
- (C) 'HEAVY' DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C7.05.
- (D) STANDARD CONCRETE CURB & GUTTER TERMINUS, SEE DETAIL SHEET C7.05.
- (E) CONCRETE FLUSH WITH PAVEMENT, SEE DETAIL SHEET C7.12.
- (F) CONCRETE SIDEWALK, SEE DETAIL SHEET C7.05.
- (G) ACCESSIBLE CURB RAMP, SEE DETAIL SHEET C7.05.
- (H) ACCESSIBLE PARKING, SEE PAVEMENT MARKING & SIGNAGE PLAN SHEETS C1.03–C1.04.
- (I) PRECAST CONCRETE WHEELSTOP, SEE DETAIL SHEET C7.05.
- (J) CONCRETE PLANTER CURB. SEE DETAIL SHEET C7.07.
- (K) STONE SERVICE COURT WITH MECHANICAL EQUIPMENT, SEE MECHANICAL PLANS FOR EQUIPMENT LAYOUT & RELATED INFORMATION. STONE SECTION SHALL BE A MINIMUM OF "4 OF #4 GRAVEL WITH WOVEN GEO-TEXTILE FABRIC UNDERNEATH. SUBGRADE IS TO BE COMPACTED TO 95%.
- (L) LOCKED PIPE GATE, SEE DETAIL SHEET C7.06.
- (M) PASSENGER LOADING ZONE, SEE DETAIL SHEET C7.05.
- (N) BUS LOADING ZONE, SEE DETAIL SHEET C7.05.
- (O) NEW CONCRETE SIDEWALK TO ABUT EXISTING CONCRETE SIDEWALK. CONTRACTOR TO PROVIDE AN EXPANSION JOINT BETWEEN EXISTING AND NEW CONCRETE SIDEWALK. SIDEWALK WIDTH SHALL TOTAL THE DIMENSION SHOWN ON PLAN.
- (P) SQUARE BENCH, SEE SPECIFICATIONS.
- (Q) ASPHALT TRAIL, SEE DETAIL SHEET C7.05.
- (R) BASKETBALL COURT LAYOUT, SEE ENLARGEMENT SHEET C1.05.
- (S) BASKETBALL GOAL, SEE SPECIFICATIONS.
- (T) BIKE RACK, SEE SPECIFICATIONS.
- (U) NEW BENCH, SEE SPECIFICATIONS.
- (V) PIXEL SEATING, SEE SPECIFICATIONS.
- (W) NEW TABLE, SEE SPECIFICATIONS.
- (X) BLACK VINYL COATED CHAIN LINK GATE, SEE DETAIL SHEET C7.06.

KEY NOTES

- (Y) BLACK VINYL COATED CHAIN LINK FENCE, SEE DETAIL SHEET C7.06.
- (Z) SCORE BOARD AND ASSOCIATED ELECTRICAL CONNECTION, BY OWNER.
- (AA) LIGHT DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C7.05.
- (BB) TRASH RECEPTACLES, SEE SPECIFICATIONS.
- (CC) K-2 PAVED PLAY AREA. SEE SHEET C1.05 FOR ENLARGEMENT.
- (DD) 3-5 PAVED PLAY AREA. SEE SHEET C1.05 FOR ENLARGEMENT.
- (EE) RUMBLE STRIPS FOR CONCRETE SIDEWALK IN PLAY AREAS, SEE DETAIL SHEET C7.12.
- (FF) FLAGPOLE, SEE DETAIL SHEET C7.11 AND SPECIFICATIONS.
- (GG) STEEL BOLLARD, SEE DETAIL SHEET C7.12.
- (HH) DUMPSTER, PROVIDED BY OWNER.
- (II) BOLLARD AS MANUFACTURED BY MAGLIN SITE FURNISHINGS OR APPROVED EQUAL. MODEL #: MBQ-0500-0000H (MTB500-B2), INSTALLATION TYPE BASE TYPE 2, REMOVABLE. COLOR TO BE GUNMETAL FINE TEXTURED FINISH.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB AND FACE OF BUILDING WALL, UNLESS OTHERWISE SHOWN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS SHOWN AND CONTACT THE ARCHITECT IF ANY DISCREPANCIES OCCUR.
4. CONSTRUCTION STAKE OUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
6. ALL FACE OF RADIUS' ARE 4 FT UNLESS OTHERWISE SHOWN.
7. ALL PARKING SPACES SHALL BE 9' WIDE X 20' DEEP MIN.
8. (AC) DENOTES ACCESSIBLE PARKING SPACE.
9. (VAC) DENOTES VAN ACCESSIBLE PARKING SPACE.
10. ANY AND ALL LANDSCAPING, EXISTING TREES OR SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL SUBMIT SCALED PLANS OF ALL SCORING/JOINTS FOR APPROVAL BY ARCHITECT 30 DAYS MINIMUM PRIOR TO INSTALLATION.
12. THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
13. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
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Cary, North Carolina 27518
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Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 ANNE C. PFEIFFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1	24 MAR, 2020	NCDOI COMMENT
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE STAKING PLAN AREA 1

C1.01

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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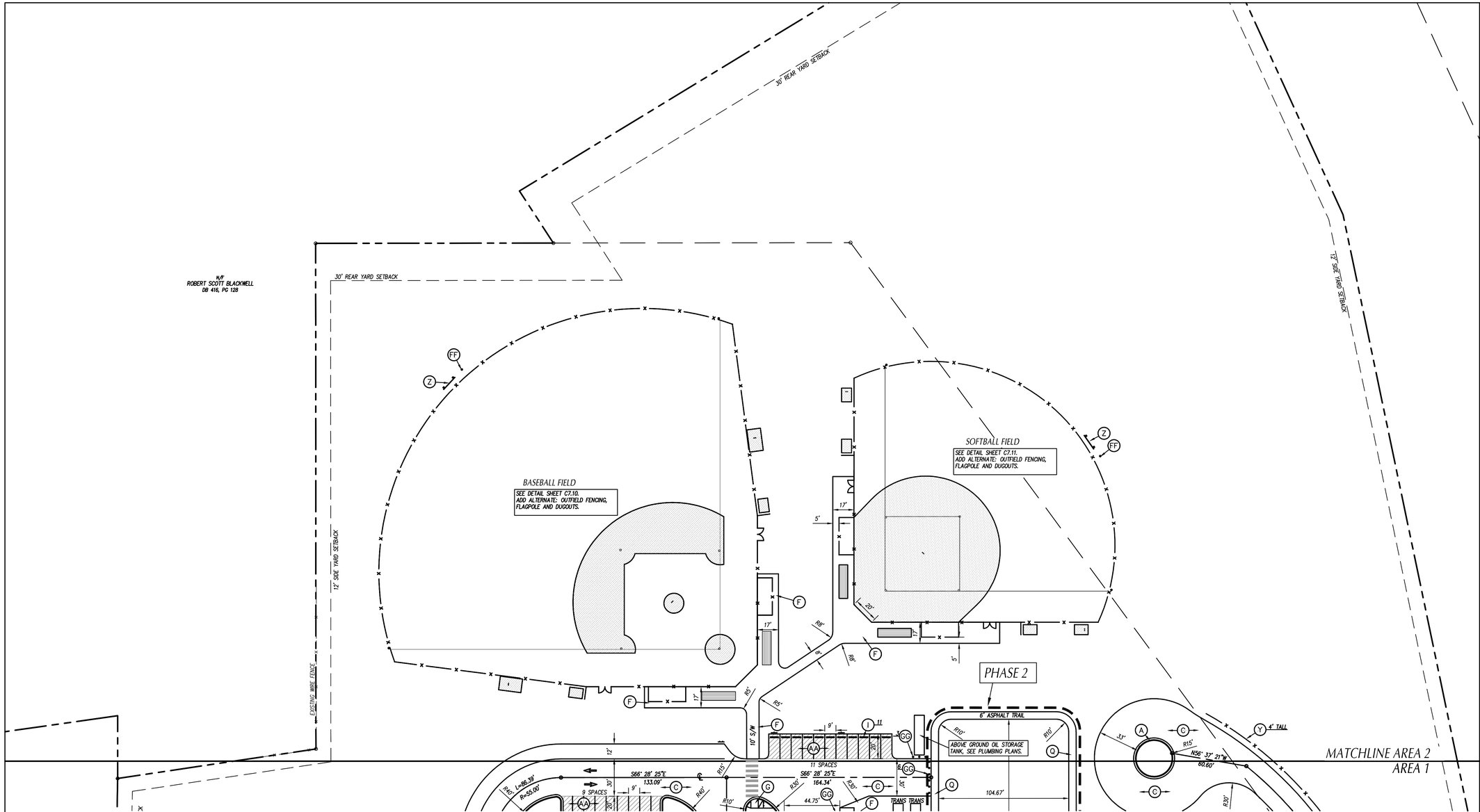

KEY NOTES

- (A) 24" CONCRETE CURB & GUTTER, SEE DETAIL SHEET C7.05.
- (B) CONCRETE PAVEMENT, SEE DETAIL SHEET C7.05.
- (C) 'HEAVY' DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C7.05.
- (D) STANDARD CONCRETE CURB & GUTTER TERMINUS, SEE DETAIL SHEET C7.05.
- (E) CONCRETE FLUSH WITH PAVEMENT, SEE DETAIL SHEET C7.12.
- (F) CONCRETE SIDEWALK, SEE DETAIL SHEET C7.05.
- (G) ACCESSIBLE CURB RAMP, SEE DETAIL SHEET C7.05.
- (H) ACCESSIBLE PARKING, SEE PAVEMENT MARKING & SIGNAGE PLAN SHEETS C1.03–C1.04.
- (I) PRECAST CONCRETE WHEELSTOP, SEE DETAIL SHEET C7.05.
- (J) CONCRETE PLANTER CURB. SEE DETAIL SHEET C7.07.
- (K) STONE SERVICE COURT WITH MECHANICAL EQUIPMENT, SEE MECHANICAL PLANS FOR EQUIPMENT LAYOUT & RELATED INFORMATION. STONE SECTION SHALL BE A MINIMUM OF "4 OF PEA GRAVEL WITH WOVEN GEO-TEXTILE FABRIC UNDERNEATH. SUBGRADE IS TO BE COMPACTED TO 95%.
- (L) LOCKED PIPE GATE, SEE DETAIL SHEET C7.06.
- (M) PASSENGER LOADING ZONE, SEE DETAIL SHEET C7.05.
- (N) BUS LOADING ZONE, SEE DETAIL SHEET C7.05.
- (O) NEW CONCRETE SIDEWALK TO ABUT EXISTING CONCRETE SIDEWALK. CONTRACTOR TO PROVIDE AN EXPANSION JOINT BETWEEN EXISTING AND NEW CONCRETE SIDEWALK. SIDEWALK WIDTH SHALL TOTAL THE DIMENSION SHOWN ON PLAN.
- (P) SQUARE BENCH, SEE SPECIFICATIONS.
- (Q) ASPHALT TRAIL, SEE DETAIL SHEET C7.05.
- (R) BASKETBALL COURT LAYOUT, SEE ENLARGEMENT SHEET C1.05.
- (S) BASKETBALL GOAL, SEE SPECIFICATIONS.
- (T) BIKE RACK, SEE SPECIFICATIONS.
- (U) NEW BENCH, SEE SPECIFICATIONS.
- (V) PIXEL SEATING, SEE SPECIFICATIONS.
- (W) NEW TABLE, SEE SPECIFICATIONS.
- (X) BLACK VINYL COATED CHAIN LINK GATE, SEE DETAIL SHEET C7.06.

KEY NOTES

- (Y) BLACK VINYL COATED CHAIN LINK FENCE, SEE DETAIL SHEET C7.06.
- (Z) SCORE BOARD AND ASSOCIATED ELECTRICAL CONNECTION, BY OWNER.
- (AA) LIGHT DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C7.05.
- (BB) TRASH RECEPTACLES, SEE SPECIFICATIONS.
- (CC) K-2 PAVED PLAY AREA. SEE SHEET C1.05 FOR ENLARGEMENT.
- (DD) 3-5 PAVED PLAY AREA. SEE SHEET C1.05 FOR ENLARGEMENT.
- (EE) RUMBLE STRIPS FOR CONCRETE SIDEWALK IN PLAY AREAS, SEE DETAIL SHEET C7.12.
- (FF) FLAGPOLE, SEE DETAIL SHEET C7.11 AND SPECIFICATIONS.
- (GG) STEEL BOLLARD, SEE DETAIL SHEET C7.12.
- (HH) DUMPSTER, PROVIDED BY OWNER.
- (II) BOLLARD AS MANUFACTURED BY MAGLIN SITE FURNISHINGS OR APPROVED EQUAL. MODEL #: MBO-0500-D000H (MTB500-B2), INSTALLATION TYPE BASE TYPE 2, REMOVABLE. COLOR TO BE GUNMETAL FINE TEXTURED FINISH.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS AND SPECIFICATIONS.
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5. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
6. ALL FACE OF RADIUS' ARE 4 FT UNLESS OTHERWISE SHOWN.
7. ALL PARKING SPACES SHALL BE 9' WIDE X 20' DEEP MIN.
8. (AC) DENOTES ACCESSIBLE PARKING SPACE.
9. (VAC) DENOTES VAN ACCESSIBLE PARKING SPACE.
10. ANY AND ALL LANDSCAPING, EXISTING TREES OR SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL SUBMIT SCALED PLANS OF ALL SCORING/JOINTS FOR APPROVAL BY ARCHITECT 30 DAYS MINIMUM PRIOR TO INSTALLATION.
12. THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
13. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JOHN C. PFEIFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1	24 MAR, 2020	NCDOI COMMENT
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE STAKING PLAN AREA 2

C1.02

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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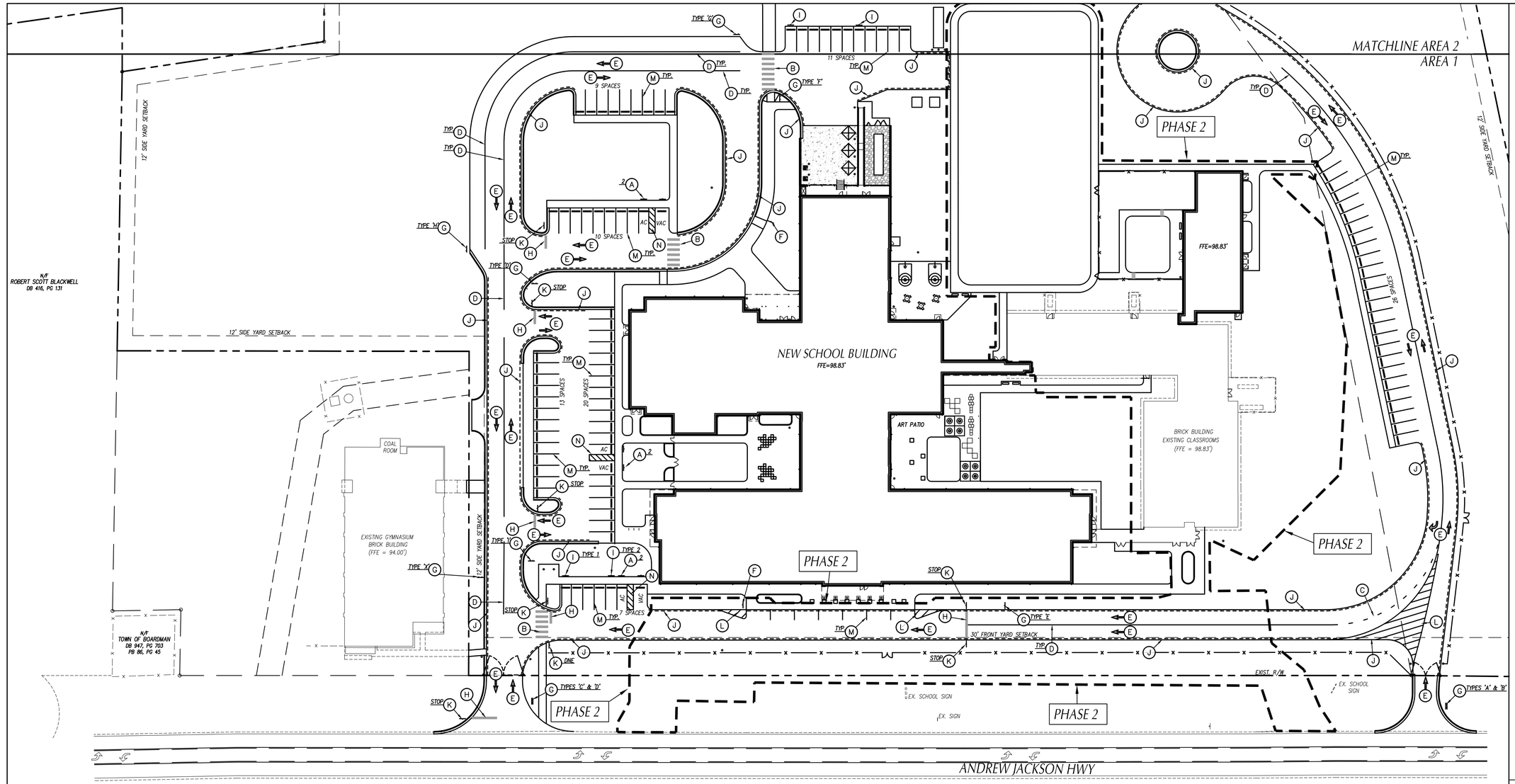
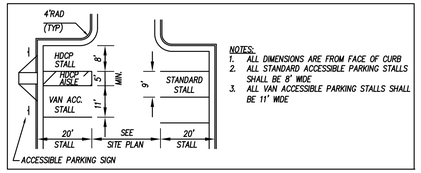


TYP. PARKING DIMENSIONS



ACCESSIBLE PARKING SIGN

NOTES:
1. ALL DIMENSIONS ARE FROM FACE OF CURB
2. ALL STANDARD ACCESSIBLE PARKING STALLS SHALL BE 8' WIDE
3. ALL VAN ACCESSIBLE PARKING STALLS SHALL BE 11' WIDE

TRAFFIC CONTROL NOTES

1. ALL SITE SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCDOT STANDARDS.

SIGN	MUTCD STD.	SIZE
STOP	R1-1	30"x30"
DO NOT ENTER (DNE)	R5-1	30"x30"

2. ALL SIGNS SHALL BE MOUNTED WITH 7-FT MIN. VERTICAL CLEARANCE TO THE BOTTOM OF THE SIGN ON 3-LB. GALV. STEEL U-CHANNEL POST SET IN 3-FT DEEP x 12-IN DIA. CONCRETE FOOTING.
3. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND NCDOT STANDARDS AND THE PROJECT SPECIFICATIONS.

MARKING	NCDOT STD.	SIZE	COLOR
PARKING SPACES		4-IN	WHT.
CROSSWALK	1205.07(H-VS)	24-IN	WHT.
DIRECTIONAL ARROWS	1205.08	STD.	WHT.
NO PARKING - FIRE LANE *		4-IN	YEL.
MINI-SKIP (3'-9' TYPE)	1205.01	4-IN	WHT.
SOLID	1205.01	4-IN	WHT.
DIAGONAL	1205.09	8-IN	YEL.
STOP BAR		24-IN	WHT.
DOUBLE YELLOW	1205.01	4-IN	YEL.

* NO PARKING - FIRE LANE MARKING SHALL BE THERMOPLASTIC AND CONSIST OF A 4" SOLID YELLOW STRIPE AND 8" HIGH YELLOW TEXT "NO PARKING - FIRE LANE" AT 40' INTERVALS.

4. ALL PAVEMENT MARKINGS SHALL BE ALKY-RESIN TYPE EXCEPT FOR FIRE LANE MARKINGS WHICH SHALL BE THERMOPLASTIC TYPE PAINT.
5. ALL SIGNAGE SHALL BE FIELD STAKED AND THE LOCATIONS APPROVED BY CLH DESIGN PRIOR TO SIGN INSTALLATION.
6. CENTER ALL DIRECTIONAL ARROWS WITHIN TRAVEL LANE.
7. COORDINATE FIRE LANE MARKINGS WITH TOWN OF CERRO GORDO FIRE MARSHAL.
8. ALL SIGNS SHALL USE PRISMATIC SHEETING THAT MEETS MINIMUM REFLECTIVITY STANDARDS FOUND IN THE LATEST EDITION OF THE MUTCD.

KEY NOTES

(A) ACCESSIBLE PARKING SIGNAGE, SEE DETAIL SHEET C7.05.
(B) HI-VIS CROSS WALK, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(C) MINI-SKIP MARKING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(D) SOLID WHITE MARKING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(E) DIRECTIONAL ARROW, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(F) PASSENGER LOADING ZONE SIGNAGE, SEE DETAIL SHEET C7.05.
(G) SCHOOL DIRECTIONAL SIGNAGE, SEE DETAIL SHEET C7.11.
(H) STOP BAR, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(I) VISITOR PARKING SIGNAGE, SEE DETAIL SHEET C7.11.
(J) NO PARKING - FIRE LANE MARKINGS, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(K) TRAFFIC CONTROL SIGNAGE, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(L) DIAGONAL STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(M) PARKING SPACE STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
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Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 ANNE C. PFEIFER 3-2-20

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE PAVEMENT MARKING & SIGNAGE PLAN - AREA 1

C1.03

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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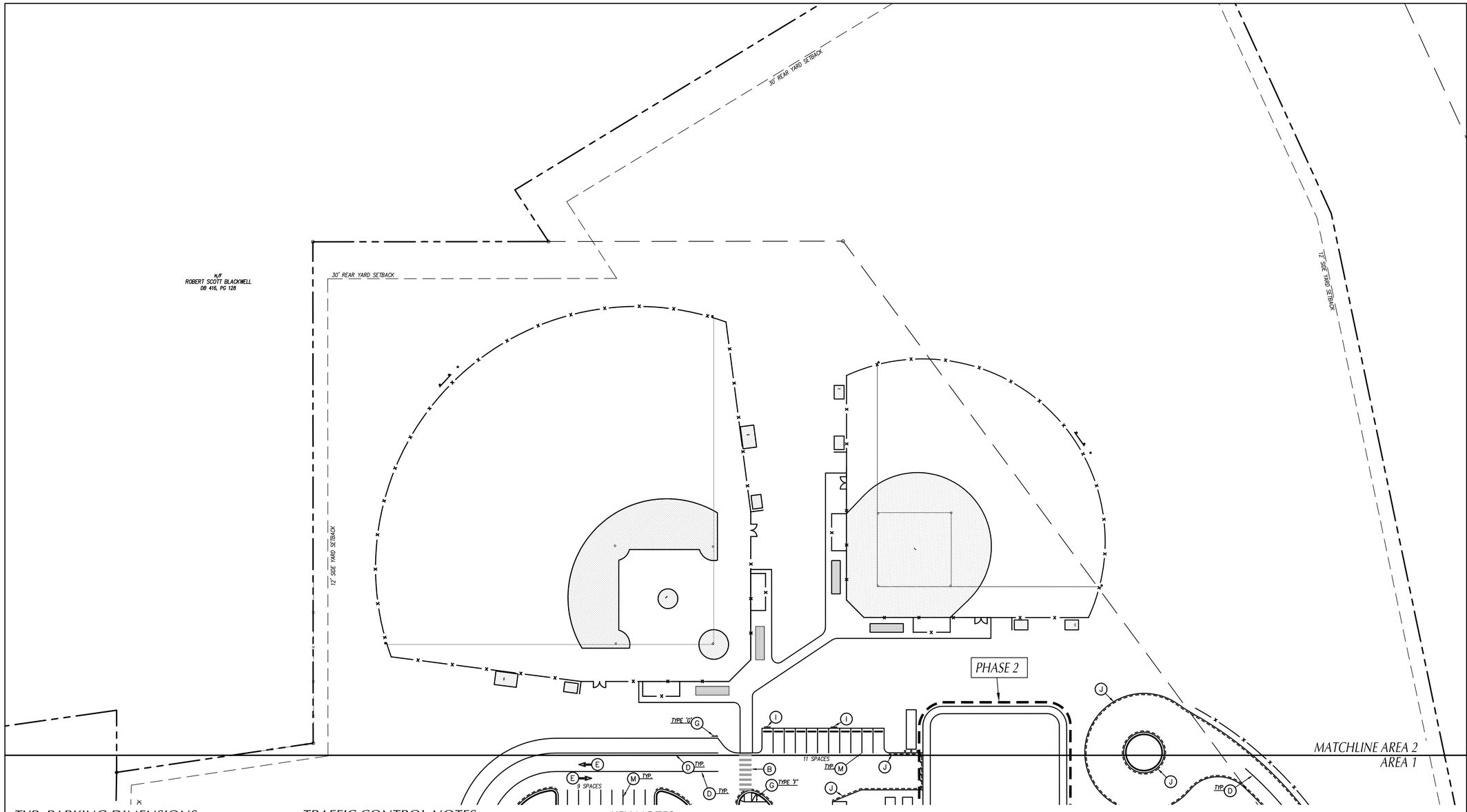
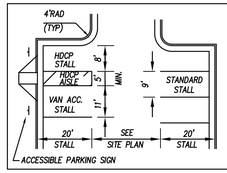


TYP. PARKING DIMENSIONS



ACCESSIBLE PARKING SIGN

NOTES:
1. ALL DIMENSIONS ARE FROM FACE OF CURB.
2. ALL STANDARD ACCESSIBLE PARKING STALLS SHALL BE 8' WIDE
3. ALL VAN ACCESSIBLE PARKING STALLS SHALL BE 11' WIDE

TRAFFIC CONTROL NOTES

1. ALL SITE SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCDOT STANDARDS.

SIGN	MUTCD STD.	SIZE
STOP	R1-1	30"x30"
DO NOT ENTER (DNE)	R5-1	30"x30"

2. ALL SIGNS SHALL BE MOUNTED WITH 7-FT MIN. VERTICAL CLEARANCE TO THE BOTTOM OF THE SIGN ON 3-LB. GALV. STEEL U-CHANNEL POST SET IN 3-FT DEEP x 12-IN DIA. CONCRETE FOOTING.
3. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND NCDOT STANDARDS AND THE PROJECT SPECIFICATIONS.

MARKING	NCDOT STD.	SIZE	COLOR
PARKING SPACES	–	4-IN	WHT.
CROSSWALK	1205.07(HI-VIS)	24-IN	WHT.
DIRECTIONAL ARROWS	1205.08	STD.	WHT.
NO PARKING – FIRE LANE *	–	4-IN	YEL.
MINI-SKIP (3'-9' TYPE)	1205.01	4-IN	WHT.
SOLID	1205.01	4-IN	WHT.
DIAGONAL	1205.09	8-IN	YEL.
STOP BAR	–	24-IN	WHT.
DOUBLE YELLOW	1205.01	4-IN	YEL.

* NO PARKING – FIRE LANE MARKING SHALL BE THERMOPLASTIC AND CONSIST OF A 4" SOLID YELLOW STRIPE AND 8" HIGH YELLOW TEXT "NO PARKING – FIRE LANE" AT 40' INTERVALS.

4. ALL PAVEMENT MARKINGS SHALL BE ALKY-RESIN TYPE EXCEPT FOR FIRE LANE MARKINGS WHICH SHALL BE THERMOPLASTIC TYPE PAINT.
5. ALL SIGNAGE SHALL BE FIELD STAKED AND THE LOCATIONS APPROVED BY CLH DESIGN PRIOR TO SIGN INSTALLATION.
6. CENTER ALL DIRECTIONAL ARROWS WITHIN TRAVEL LANE.
7. COORDINATE FIRE LANE MARKINGS WITH TOWN OF CERRO GORDO FIRE MARSHAL.
8. ALL SIGNS SHALL USE PRISMATIC SHEETING THAT MEETS MINIMUM REFLECTIVITY STANDARDS FOUND IN THE LATEST EDITION OF THE MUTCD.

KEY NOTES

- (A) ACCESSIBLE PARKING SIGNAGE, SEE DETAIL SHEET C7.05.
- (B) HI-VIS CROSS WALK, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (C) MINI-SKIP MARKING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (D) SOLID WHITE MARKING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (E) DIRECTIONAL ARROW, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (F) PASSENGER LOADING ZONE SIGNAGE, SEE DETAIL SHEET C7.05.
- (G) SCHOOL DIRECTIONAL SIGNAGE, SEE DETAIL SHEET C7.11.
- (H) STOP BAR, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (I) VISITOR PARKING SIGNAGE, SEE DETAIL SHEET C7.11.
- (J) NO PARKING – FIRE LANE MARKINGS, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (K) TRAFFIC CONTROL SIGNAGE, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (L) DIAGONAL STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (M) PARKING SPACE STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JOANNE C. PFEIFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1.		
2.		
3.		
4.		

18-144

BID AND CONSTRUCTION

SITE PAVEMENT MARKING & SIGNAGE PLAN -AREA 2

C1.04

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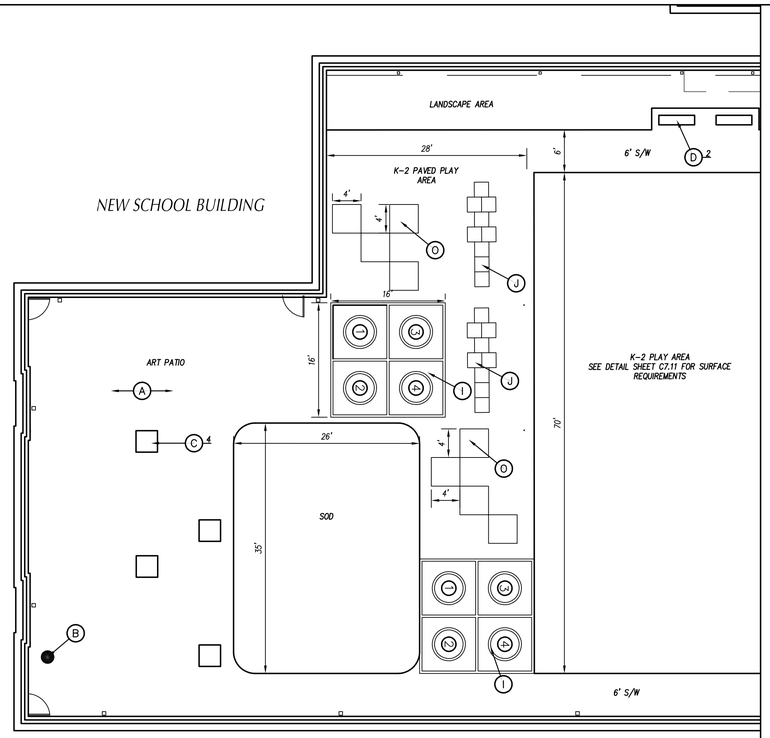
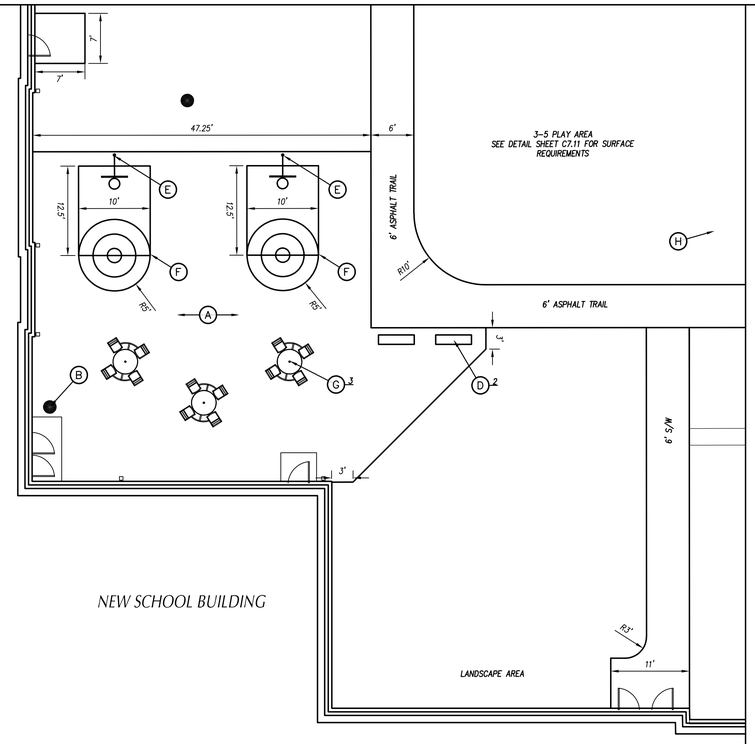




KEY NOTES

- (A) CONCRETE PAVEMENT, SEE DETAIL SHEET C7.05.
- (B) TRASH RECEPTACLE, SEE SPECIFICATIONS.
- (C) SQUARE BENCH, SEE SPECIFICATIONS.
- (D) NEW BENCH, SEE SPECIFICATIONS.
- (E) BASKETBALL GOAL, SEE SPECIFICATIONS.
- (F) BASKETBALL STRIPING, SEE DETAIL SHEET C1.05.
- (G) NEW TABLE, SEE SPECIFICATIONS.
- (H) CONCRETE PLAYGROUND EDGING AND SURFACING, SEE DETAIL SHEET C7.11.
- (I) FOURSQUARE MARKINGS, SEE DETAIL SHEET C1.05.
- (J) HOPSCOTCH MARKINGS, SEE DETAIL SHEET C1.05.
- (K) BLACK VINYL COATED CHAIN LINK GATE, SEE DETAIL SHEET C7.06.
- (L) BLACK VINYL COATED CHAIN LINK FENCE, SEE DETAIL SHEET C7.06.
- (M) RUMBLE STRIPS FOR CONCRETE SIDEWALK IN PLAY AREAS, SEE DETAIL SHEET C7.11.
- (N) SOLID SQUARE CONCRETE BENCH AS MANUFACTURED BY BELSON OUTDOORS OR APPROVED EQUAL. MODEL TF5119-CUSA, COLOR TO BE WHITE MATRIX WITH AMBER GLASS. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- (O) SQUARE STRIPING, SEE DETAIL SHEET C1.05.

SEE PAVED PLAY MARKING NOTES BELOW FOR FURTHER DETAIL REGARDING PROPOSED PAVEMENT MARKINGS.

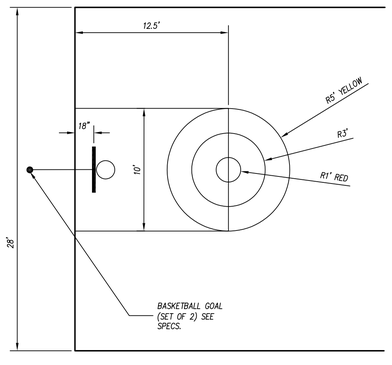
K-2 PAVED PLAY AREA ENLARGEMENT — SCALE: 1"=10'-0"

KEY NOTES

- (A) CONCRETE PAVEMENT, SEE DETAIL SHEET C7.05.
- (B) TRASH RECEPTACLE, SEE SPECIFICATIONS.
- (C) SQUARE BENCH, SEE SPECIFICATIONS.
- (D) NEW BENCH, SEE SPECIFICATIONS.
- (E) BASKETBALL GOAL, SEE SPECIFICATIONS.
- (F) BASKETBALL STRIPING, SEE DETAIL SHEET C1.05.
- (G) NEW TABLE, SEE SPECIFICATIONS.
- (H) CONCRETE PLAYGROUND EDGING AND SURFACING, SEE DETAIL SHEET C7.11.
- (I) FOURSQUARE MARKINGS, SEE DETAIL SHEET C1.05.
- (J) HOPSCOTCH MARKINGS, SEE DETAIL SHEET C1.05.
- (K) BLACK VINYL COATED CHAIN LINK GATE, SEE DETAIL SHEET C7.06.
- (L) BLACK VINYL COATED CHAIN LINK FENCE, SEE DETAIL SHEET C7.06.
- (M) RUMBLE STRIPS FOR CONCRETE SIDEWALK IN PLAY AREAS, SEE DETAIL SHEET C7.11.
- (N) SOLID SQUARE CONCRETE BENCH AS MANUFACTURED BY BELSON OUTDOORS OR APPROVED EQUAL. MODEL TF5119-CUSA, COLOR TO BE WHITE MATRIX WITH AMBER GLASS. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- (O) SQUARE STRIPING, SEE DETAIL SHEET C1.05.

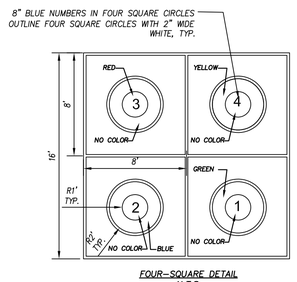
SEE PAVED PLAY MARKING NOTES BELOW FOR FURTHER DETAIL REGARDING PROPOSED PAVEMENT MARKINGS.

3-5 PAVED PLAY AREA ENLARGEMENT — SCALE: 1"=10'-0"



BASKETBALL STRIPING LAYOUT
N.T.S.

BASKETBALL STRIPING — NTS



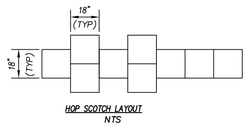
FOUR-SQUARE DETAIL
N.T.S.

FOUR-SQUARE STRIPING — NTS

PAVED PLAY MARKING NOTES:

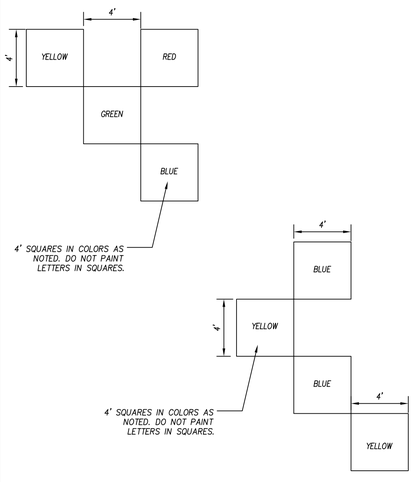
1. MARKING PAINT SHALL BE ARCYLIC OR WATER BASED AND APPROVED BY THE MANUFACTURER FOR APPLICATION ON THE SURFACE COURSE FINISH MATERIAL, SUCH AS "MASONRY" OR "TRAFFIC" PAINT. AESBESTOS, OIL, ALKYD OR SOLVENT VEHICLE TYPE PAINTS ARE PROHIBITED.
2. CONTRACTOR SHALL SPECIAL ORDER PAINT TO ACHIEVE SPECIFIED COLORS. GREEN PAINT SHALL BE KELLY GREEN AND IS AVAILABLE FROM GLIDDEN AND SHERWIN WILLIAMS. ALL PAINT COLORS SHALL BE APPROVED BY OWNER PRIOR TO ORDER AND APPLICATION.
3. PAINT SHALL BE APPLIED PER MANUFACTURER'S INSTRUCTIONS. THOROUGHLY CLEAN PAVEMENT PRIOR TO APPLICATION OF COATINGS OR MARKINGS.
4. STRIPING & NUMBERS SHALL BE 2-INCH WIDE WHITE PAINT OR AS NOTED.
5. PAINT SHALL BE APPLIED PER MANUFACTURER'S INSTRUCTIONS. THOROUGHLY CLEAN PAVEMENT PRIOR TO APPLICATION.

PAVED PLAY MARKING NOTES — NTS



HOP SCOTCH LAYOUT
NTS

HOPSCOTCH MARKINGS — NTS



SQUARE STRIPING — NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319-4716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE ENLARGEMENTS

C1.05

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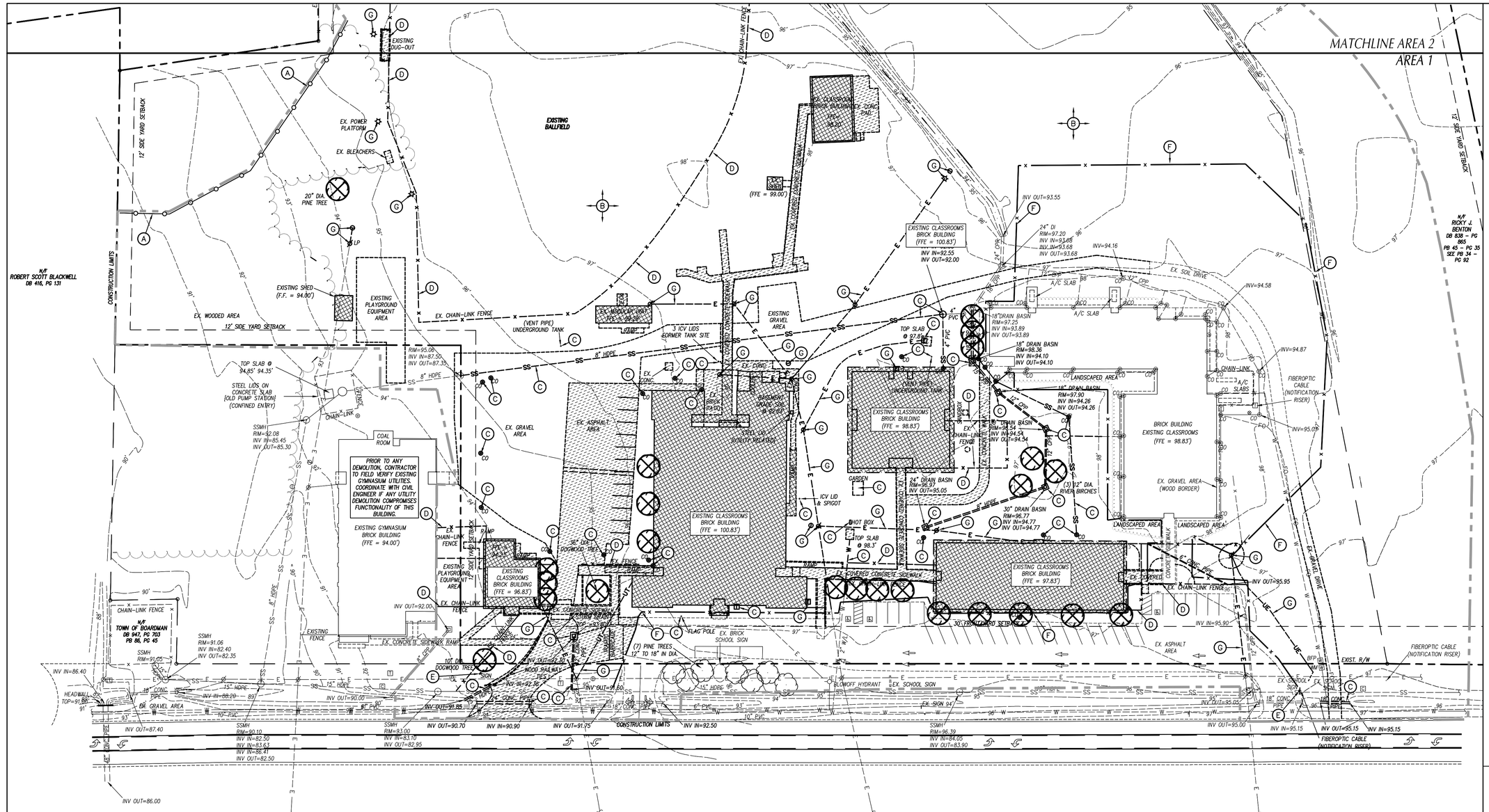

LEGEND

STRUCTURES/UTILITIES TO BE REMOVED		STRUCTURES/UTILITIES TO REMAIN	
OVERHEAD ELECTRICAL	E	OVERHEAD ELECTRICAL	E
UNDERGROUND ELECTRICAL	UE	UNDERGROUND ELECTRICAL	UE
FIRE PROTECTION	FP	FIRE PROTECTION	FP
GAS	G	GAS	G
SANITARY SEWER	SS	SANITARY SEWER	SS
TELEPHONE	T	TELEPHONE	T
UNDERGROUND TELEPHONE	UT	UNDERGROUND TELEPHONE	UT
FIBER OPTIC	FO	FIBER OPTIC	FO
WATER	W	WATER	W
FORCE MAIN	FM	FORCE MAIN	FM
STORM DRAIN		STORM DRAIN	
INDIVIDUAL TREE TO BE REMOVED.		INDIVIDUAL TREE TO REMAIN.	
LIGHT POLE	LP	LIGHT POLE	LP
UTILITY POLE	PP	UTILITY POLE	PP
MANHOLE	MH	MANHOLE	MH
CLEAN OUT	CO	CLEAN OUT	CO
DROP INLET,CATCH BASIN	DI, CB	DROP INLET,CATCH BASIN	DI, CB
FIRE HYDRANT	FH	FIRE HYDRANT	FH
WATER VALVE	WV	WATER VALVE	WV
CONSTR./CLEARING LIMITS		PAVEMENT, S/W, C&G TO BE REMOVED.	
TREE PROTECTION FENCE		BUILDING/STRUCTURE TO BE REMOVED. SEE ARCHITECTURAL SPECIFICATIONS.	

GENERAL NOTES

1. ALL EXISTING STRUCTURES AND UTILITIES SHALL BE REMOVED AS NEEDED TO ALLOW NEW CONSTRUCTION. IN GENERAL, FEATURES INDICATED IN BOLD ON THIS PLAN SHALL BE REMOVED.
2. ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT FOR NEW PAVEMENT, SIDEWALK, OR CURB AND GUTTER, ETC. ANY EXISTING PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH PRE-CONSTRUCTION CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED).
3. ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
4. ALL WASTE MATERIAL GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
5. EXISTING SITE BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS TAKEN FROM SURVEY BY SOLES & WALKER, P.A., P.L.S., PERFORMED 08/24/2012 REVISION 10/03/2018. THESE PLANS DO NOT ASSUME ANY LIABILITY FOR ANY EXISTING INFORMATION BOTH SHOWN AND NOT SHOWN ON THE SURVEY AND ANY CHANGES TO THE EXISTING CONDITIONS THAT MAY HAVE OCCURRED AFTER THE SURVEY WAS ISSUED. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
6. INSTALL TREE PROTECTION FENCING PRIOR TO BEGINNING CLEARING OPERATIONS. CLEAR AND GRUB ALL AREAS AS SHOWN AND REQUIRED TO PERMIT INSTALLATION OF NEW CONSTRUCTION PER SPECIFICATIONS AND DRAWINGS. EXISTING TREES, SHRUBS OR OTHER LANDSCAPE MATERIAL WHICH WILL CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED (WHETHER OR NOT SHOWN ON THE DRAWINGS). ALL CONTRACTORS SHALL VISIT THE SITE AND OBSERVE EXISTING CONDITIONS PRIOR TO BIDDING.
7. TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE INTERIOR EDGE OF CLEARING LIMITS, THE CONTRACTOR SHALL CUT 2-FT DEEP TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT, RATHER THAN TEAR ROOTS.
8. PRIOR TO DEMOLISHING EXISTING STRUCTURES, MAKE AN INSPECTION FOR ANY HAZARDOUS MATERIALS. CONTACT ARCHITECT IMMEDIATELY IF ANY HAZARDOUS MATERIALS ARE DISCOVERED. CAP AND REMOVE UTILITY SERVICES, FUEL TANKS AND SEPTIC SYSTEMS. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL DETAIL.
9. VERIFY ALL ILLUSTRATED UNDERGROUND ELEMENTS/UTILITIES. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS/UTILITIES. NOTIFY THE ARCHITECT IMMEDIATELY IF UNKNOWN ELEMENTS/UTILITIES ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
10. CONTACT UTILITY LOCATING SERVICE AT LEAST 48-HRS PRIOR TO EXCAVATION.
11. PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, REPAIR IMMEDIATELY AS DIRECTED BY THE ARCHITECT.
12. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND/OR NCDOT STANDARDS AND SPECIFICATIONS.
13. ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISH GRADE.
14. DEMOLITION AND PATCHING OF PAVEMENT, SIDEWALK, CURB AND GUTTER AND OTHER EXISTING PAVED SURFACES IN ADDITION TO THAT INDICATED ON THIS PLAN SHALL BE PERFORMED AS REQUIRED TO CONSTRUCT AND INSTALL NEW UTILITIES. ALL SUCH DEMOLITION AND PATCHING SHALL BE INCLUDED IN THE BASE BID SCOPE OF WORK. SEE SHEET C07.05 FOR PAVEMENT REPAIR DETAILS.
15. THIS SITE IS LOCATED WITHIN SPECIAL FLOOD HAZARD AREAS AS DETERMINED BY FEMA AND DEPICTED ON F.I.R.M. MAP 3720022000J, DATED 6/2/2006 AS BEING WITHIN ZONE X.
16. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.
17. REFER TO ACM SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.

KEY NOTES

- (A) TEMPORARY TREE PROTECTION FENCE, SEE DETAIL SHEET C07.01.
- (B) CLEAR AND GRUB, STRIP TOPSOIL WITHIN CONSTRUCTION LIMITS.
- (C) REMOVE STRUCTURE/UTILITY.
- (D) REMOVE EXISTING FENCE.
- (E) REMOVE SIGN AND POST.
- (F) APPROXIMATE LOCATION OF TEMPORARY CHAIN LINK CONSTRUCTION FENCING. CONTRACTOR TO RELOCATE ON SITE AS NEEDED TO PROTECT ACTIVE CONSTRUCTION. SEE DETAIL SHEET C7.07.
- (G) EXISTING UTILITY LINE/STRUCTURE TO BE REMOVED/RELOCATED BY LOCAL UTILITY COMPANY. LOCAL UTILITY COMPANY SHALL DETERMINE THE LIMITS AND EXTENT OF REMOVAL/RELOCATION OF UTILITIES REQUIRED FOR NEW CONSTRUCTION. COORDINATE SCHEDULE AND WORK WITH LOCAL UTILITY COMPANY AND ARCHITECT/OWNER.
- (H) REMOVE EXISTING LANDSCAPING AROUND BUILDING FOUNDATION, PREPARE NEW PLANT BEDS PER SPECIFICATIONS.
- (I) REMOVE TEMPORARY PLUG AND BLOCKING ONCE READY TO COMPLETE FIRE LOOP. SEE UTILITY PLANS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
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Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 ANNE C. PFEIFFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1.		
2.		
3.		
4.		

18-144

BID AND CONSTRUCTION

SITE EXISTING CONDITIONS & DEMOLITION PLAN AREA 1 - PHASE 1

C2.01

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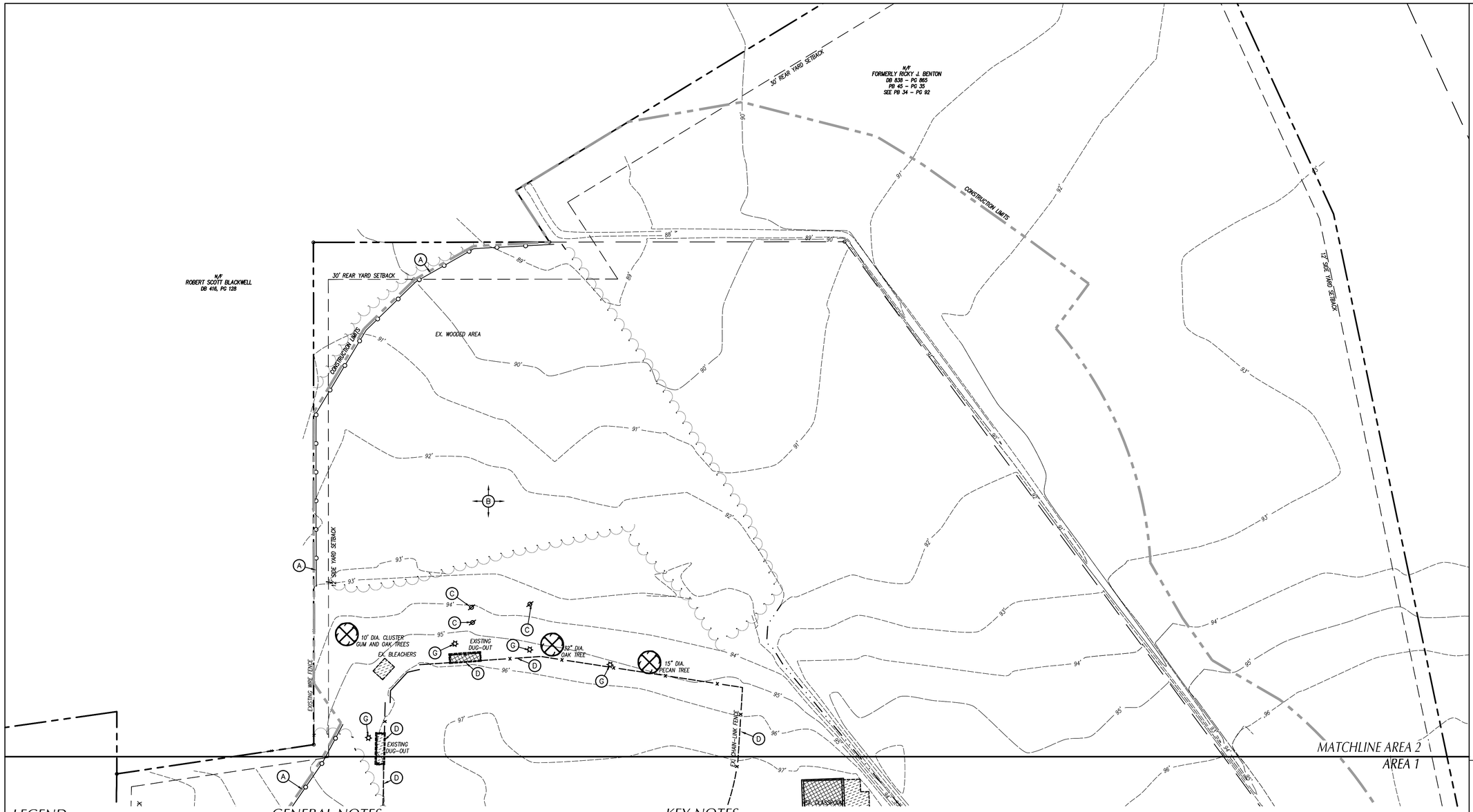

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SANITARY SEWER	SS	SANITARY SEWER	SS
TELEPHONE	T	TELEPHONE	T
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FIBER OPTIC	FO	FIBER OPTIC	FO
WATER	W	WATER	W
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GRAPHIC SCALE

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JANE C. PFEIFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1.		
2.		
3.		
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18-144

BID AND CONSTRUCTION

SITE EXISTING CONDITIONS & DEMOLITION PLAN AREA 2 - PHASE 1

C2.02

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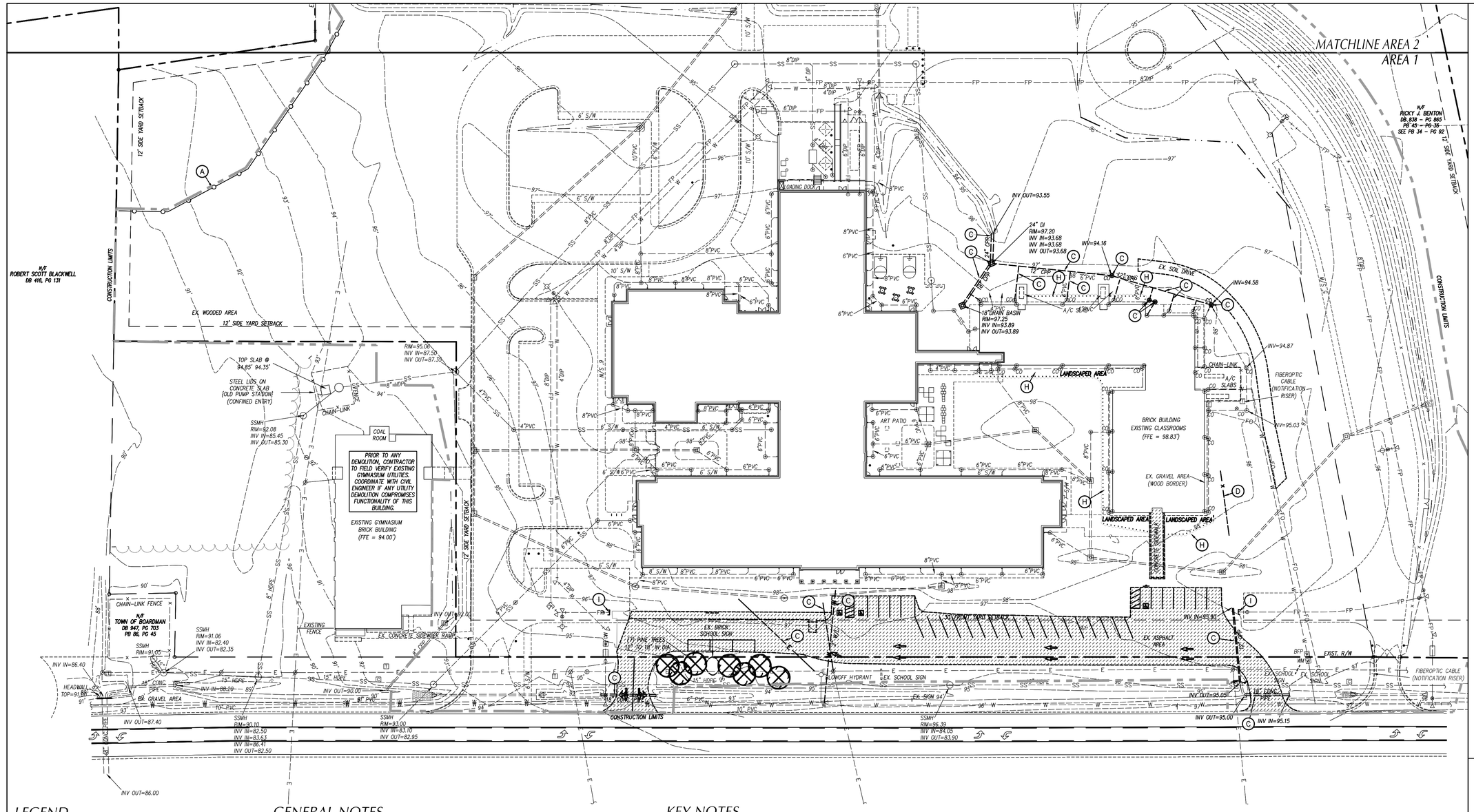

LEGEND

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13. ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISH GRADE.
14. DEMOLITION AND PATCHING OF PAVEMENT, SIDEWALK, CURB AND GUTTER AND OTHER EXISTING PAVED SURFACES IN ADDITION TO THAT INDICATED ON THIS PLAN SHALL BE PERFORMED AS REQUIRED TO CONSTRUCT AND INSTALL NEW UTILITIES. ALL SUCH DEMOLITION AND PATCHING SHALL BE INCLUDED IN THE BASE BID SCOPE OF WORK. SEE SHEET C07.05 FOR PAVEMENT REPAIR DETAILS.
15. THIS SITE IS LOCATED WITHIN SPECIAL FLOOD HAZARD AREAS AS DETERMINED BY FEMA AND DEPICTED ON F.I.R.M. MAP 3720022000J, DATED 6/2/2006 AS BEING WITHIN ZONE X.
16. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.
17. REFER TO ACM SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.

KEY NOTES

- (A) TEMPORARY TREE PROTECTION FENCE, SEE DETAIL SHEET C07.01.
- (B) CLEAR AND GRUB, STRIP TOPSOIL WITHIN CONSTRUCTION LIMITS.
- (C) REMOVE STRUCTURE/UTILITY.
- (D) REMOVE EXISTING FENCE.
- (E) REMOVE SIGN AND POST.
- (F) APPROXIMATE LOCATION OF TEMPORARY CHAIN LINK CONSTRUCTION FENCING. CONTRACTOR TO RELOCATE ON SITE AS NEEDED TO PROTECT ACTIVE CONSTRUCTION. SEE DETAIL SHEET C7.07.
- (G) EXISTING UTILITY LINE/STRUCTURE TO BE REMOVED/RELOCATED BY LOCAL UTILITY COMPANY. LOCAL UTILITY COMPANY SHALL DETERMINE THE LIMITS AND EXTENT OF REMOVAL/RELOCATION OF UTILITIES REQUIRED FOR NEW CONSTRUCTION. COORDINATE SCHEDULE AND WORK WITH LOCAL UTILITY COMPANY AND ARCHITECT/OWNER.
- (H) REMOVE EXISTING LANDSCAPING AROUND BUILDING FOUNDATION, PREPARE NEW PLANT BEDS PER SPECIFICATIONS.
- (I) REMOVE TEMPORARY PLUG AND BLOCKING ONCE READY TO COMPLETE FIRE LOOP. SEE UTILITY PLANS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 ANNE C. PFEIFFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1.		
2.		
3.		
4.		

18-144

BID AND CONSTRUCTION

SITE EXISTING CONDITIONS & DEMOLITION PLAN AREA 1 - PHASE 2

C2.03

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part theref shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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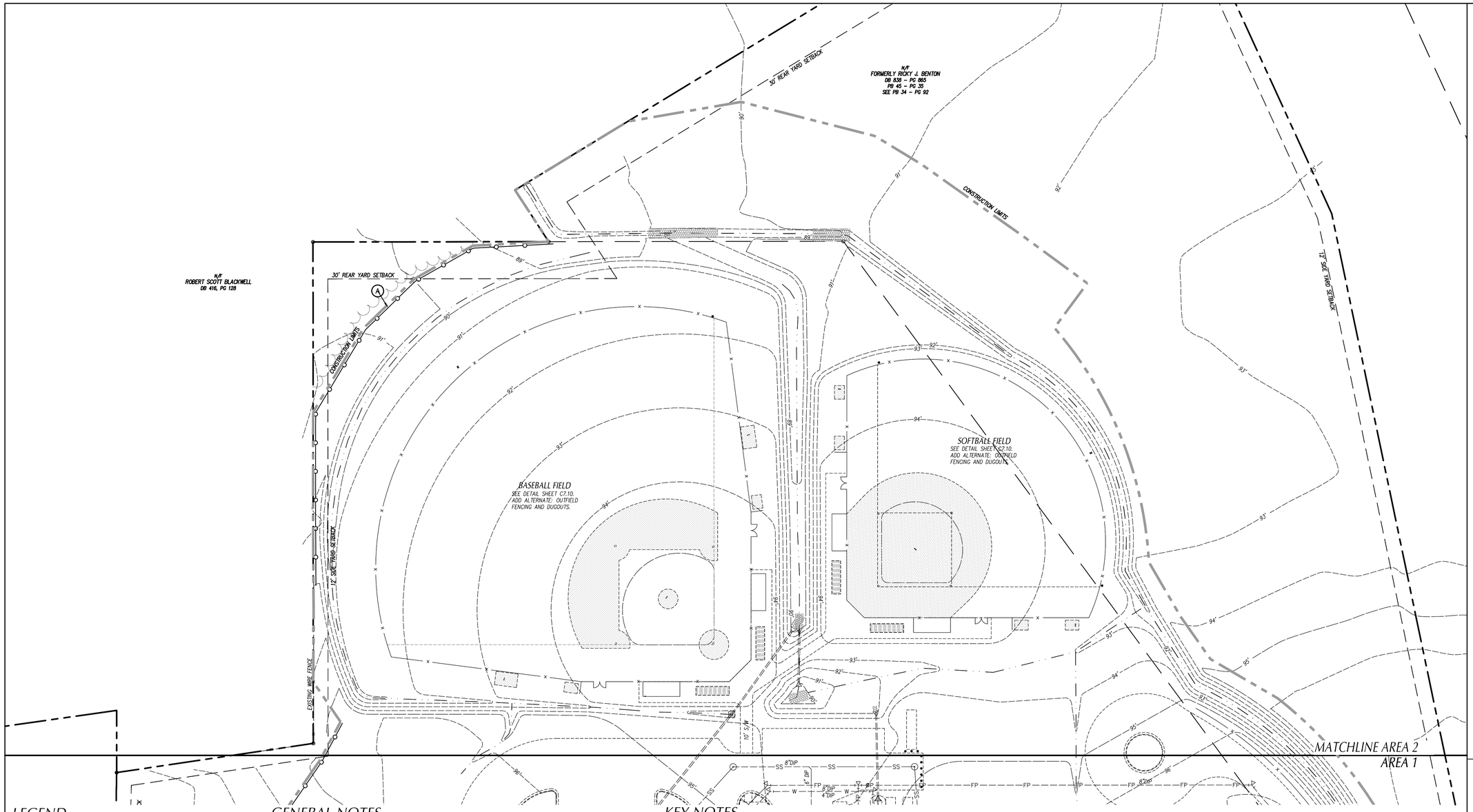

LEGEND

STRUCTURES/UTILITIES TO BE REMOVED		STRUCTURES/UTILITIES TO REMAIN	
OVERHEAD ELECTRICAL	E	OVERHEAD ELECTRICAL	E
UNDERGROUND ELECTRICAL	UE	UNDERGROUND ELECTRICAL	UE
FIRE PROTECTION	FP	FIRE PROTECTION	FP
GAS	G	GAS	G
SANITARY SEWER	SS	SANITARY SEWER	SS
TELEPHONE	T	TELEPHONE	T
UNDERGROUND TELEPHONE	UT	UNDERGROUND TELEPHONE	UT
FIBER OPTIC	FO	FIBER OPTIC	FO
WATER	W	WATER	W
FORCE MAIN	FM	FORCE MAIN	FM
STORM DRAIN		STORM DRAIN	
INDIVIDUAL TREE TO BE REMOVED.		INDIVIDUAL TREE TO REMAIN.	
LIGHT POLE	LP	LIGHT POLE	LP
UTILITY POLE	PP	UTILITY POLE	PP
MANHOLE	MH	MANHOLE	MH
CLEAN OUT	CO	CLEAN OUT	CO
DROP INLET,CATCH BASIN	DI, CB	DROP INLET,CATCH BASIN	DI, CB
FIRE HYDRANT	FH	FIRE HYDRANT	FH
WATER VALVE	WV	WATER VALVE	WV
CONSTR./CLEARING LIMITS		PAVEMENT, S/W, C&G TO BE REMOVED.	
TREE PROTECTION FENCE		BUILDING/STRUCTURE TO BE REMOVED. SEE ARCHITECTURAL SPECIFICATIONS.	

GENERAL NOTES

1. ALL EXISTING STRUCTURES AND UTILITIES SHALL BE REMOVED AS NEEDED TO ALLOW NEW CONSTRUCTION. IN GENERAL, FEATURES INDICATED IN BOLD ON THIS PLAN SHALL BE REMOVED.
2. ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT FOR NEW PAVEMENT, SIDEWALK, OR CURB AND GUTTER, ETC. ANY EXISTING PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH PRE-CONSTRUCTION CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED).
3. ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
4. ALL WASTE MATERIAL GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
5. EXISTING SITE BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS TAKEN FROM SURVEY BY SOLES & WALKER, P.A., P.L.S., PERFORMED 08/24/2012 REVISION 10/03/2018. THESE PLANS DO NOT ASSUME ANY LIABILITY FOR ANY EXISTING INFORMATION BOTH SHOWN AND NOT SHOWN ON THE SURVEY AND ANY CHANGES TO THE EXISTING CONDITIONS THAT MAY HAVE OCCURRED AFTER THE SURVEY WAS ISSUED. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
6. INSTALL TREE PROTECTION FENCING PRIOR TO BEGINNING CLEARING OPERATIONS. CLEAR AND GRUB ALL AREAS AS SHOWN AND REQUIRED TO PERMIT INSTALLATION OF NEW CONSTRUCTION PER SPECIFICATIONS AND DRAWINGS. EXISTING TREES, SHRUBS OR OTHER LANDSCAPE MATERIAL WHICH WILL CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED (WHETHER OR NOT SHOWN ON THE DRAWINGS). ALL CONTRACTORS SHALL VISIT THE SITE AND OBSERVE EXISTING CONDITIONS PRIOR TO BIDDING.
7. TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE INTERIOR EDGE OF CLEARING LIMITS, THE CONTRACTOR SHALL CUT 2-FT DEEP TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT, RATHER THAN TEAR ROOTS.
8. PRIOR TO DEMOLISHING EXISTING STRUCTURES, MAKE AN INSPECTION FOR ANY HAZARDOUS MATERIALS. CONTACT ARCHITECT IMMEDIATELY IF ANY HAZARDOUS MATERIALS ARE DISCOVERED. CAP AND REMOVE UTILITY SERVICES, FUEL TANKS AND SEPTIC SYSTEMS. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL DETAIL.
9. VERIFY ALL ILLUSTRATED UNDERGROUND ELEMENTS/UTILITIES. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS/UTILITIES. NOTIFY THE ARCHITECT IMMEDIATELY IF UNKNOWN ELEMENTS/UTILITIES ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
10. CONTACT UTILITY LOCATING SERVICE AT LEAST 48-HRS PRIOR TO EXCAVATION.
11. PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, REPAIR IMMEDIATELY AS DIRECTED BY THE ARCHITECT.
12. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND/OR NCDOT STANDARDS AND SPECIFICATIONS.
13. ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISH GRADE.
14. DEMOLITION AND PATCHING OF PAVEMENT, SIDEWALK, CURB AND GUTTER AND OTHER EXISTING PAVED SURFACES IN ADDITION TO THAT INDICATED ON THIS PLAN SHALL BE PERFORMED AS REQUIRED TO CONSTRUCT AND INSTALL NEW UTILITIES. ALL SUCH DEMOLITION AND PATCHING SHALL BE INCLUDED IN THE BASE BID SCOPE OF WORK. SEE SHEET C07.05 FOR PAVEMENT REPAIR DETAILS.
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17. REFER TO ACM SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.

KEY NOTES

- (A) TEMPORARY TREE PROTECTION FENCE, SEE DETAIL SHEET C07.01.
- (B) CLEAR AND GRUB, STRIP TOPSOIL WITHIN CONSTRUCTION LIMITS.
- (C) REMOVE STRUCTURE/UTILITY.
- (D) REMOVE EXISTING FENCE.
- (E) REMOVE SIGN AND POST.
- (F) APPROXIMATE LOCATION OF TEMPORARY CHAIN LINK CONSTRUCTION FENCING. CONTRACTOR TO RELOCATE ON SITE AS NEEDED TO PROTECT ACTIVE CONSTRUCTION. SEE DETAIL SHEET C7.07.
- (G) EXISTING UTILITY LINE/STRUCTURE TO BE REMOVED/RELOCATED BY LOCAL UTILITY COMPANY. LOCAL UTILITY COMPANY SHALL DETERMINE THE LIMITS AND EXTENT OF REMOVAL/RELOCATION OF UTILITIES REQUIRED FOR NEW CONSTRUCTION. COORDINATE SCHEDULE AND WORK WITH LOCAL UTILITY COMPANY AND ARCHITECT/OWNER.
- (H) REMOVE EXISTING LANDSCAPING AROUND BUILDING FOUNDATION, PREPARE NEW PLANT BEDS PER SPECIFICATIONS.
- (I) REMOVE TEMPORARY PLUG AND BLOCKING ONCE READY TO COMPLETE FIRE LOOP. SEE UTILITY PLANS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
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Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JANE C. PFEIFER 3-2-20

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE EXISTING CONDITIONS & DEMOLITION PLAN AREA 2 - PHASE 2

C2.04

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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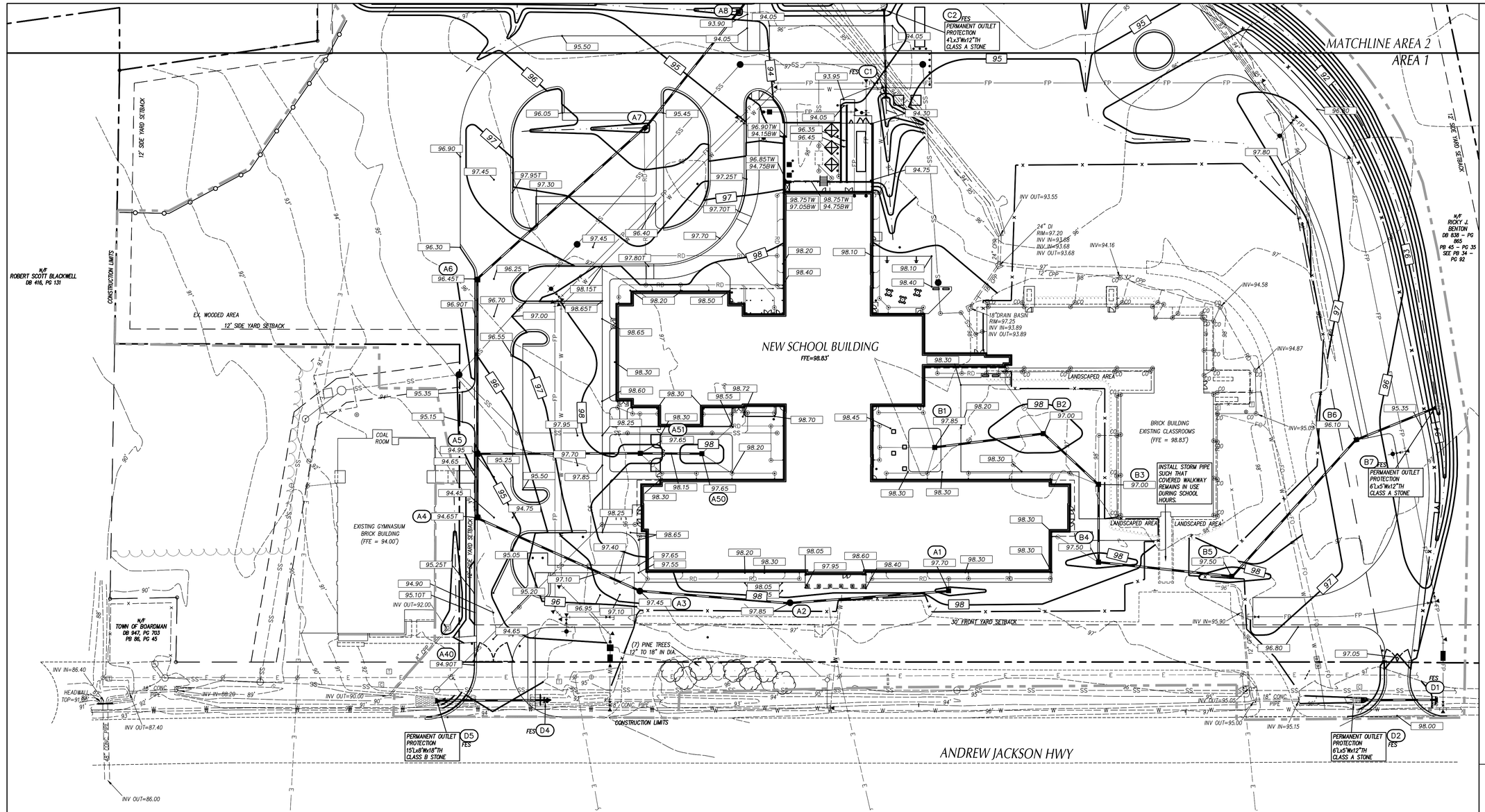

GRADING LEGEND

- EXISTING CONTOURS
- FINAL CONTOURS
- 270.4' + — EXISTING SURVEY SPOT ELEVATION
- 270.50T — PROPOSED TOP OF CURB SPOT ELEVATION
- 270.50TW / 270.50BW — PROPOSED TOP OF WALL AND BOTTOM OF WALL ELEVATION. TOP OF WALL ELEVATION EQUALS GRADE ELEVATION AT THE HIGH SIDE OF THE WALL. BOTTOM OF WALL ELEVATION EQUALS GRADE ELEVATION AT THE LOW SIDE OF THE WALL.
- 270.50 — PROPOSED GROUND/PAVEMENT ELEVATION
- (A1) — STORM STRUCTURE NUMBER
- EXISTING STORM DRAIN PIPE
- PROPOSED STORM DRAIN PIPE
- FD — PROPOSED FOUNDATION DRAIN DISCHARGE LINE. SEE ARCH. PLANS FOR DRAIN PIPE LOCATIONS ALONG BUILDING WALLS.
- RD — PROPOSED ROOF DRAIN
- TREE PROTECTION FENCE

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN CERRO GORDO AND NCDOT STANDARDS AND SPECIFICATIONS.
2. ALL SPOT ELEVATIONS INDICATED AT CURB AND GUTTER AND ARE DENOTED TO TOP OF CURB, UNLESS OTHERWISE SHOWN.
3. TOTAL DENUDED AREA = 19 AC.
4. CONTRACTOR SHALL ADJUST ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. AS NEEDED TO MATCH FINISH GRADE.
5. ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNERS INDEPENDENT TESTING LABORATORY. (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
6. ALL STORM DRAIN PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER STOPPAGE OF WORK EACH DAY. SEE DETAIL ON SHEET C7.01.
7. EXISTING VEGETATION WITHIN TREE PROTECTION AREAS SHALL REMAIN UNDISTURBED. UNLESS NOTED OTHERWISE.
8. ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9. THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE.
10. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY STATE AUTHORITIES OR THE ARCHITECT.
11. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
12. THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
13. CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS WHERE NEW CONSTRUCTION JOIN OR CONNECT TO EXISTING PAVEMENT, CURB AND OTHER RIGID STRUCTURES. NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.		PIPE	PIPE	PIPE	PIPE	UPPER	LOWER	UPSTREAM STRUCTURE DATA			
UP STRM	DN STRM	SLOPE	DIA. (IN)	LENGTH (LF)	MATRL	INV. (FT)	INV. (FT)	TOP ELEV. (FT) (T)	DEPTH (FT)	TYPE	NOTES
A1	A2	0.94%	12	127	RCP	94.80	93.60	97.70	2.90	DI	
A2	A4	0.40%	18	143	RCP	92.44	91.87	97.45	5.01	MH	
A4	A5	0.40%	18	51	RCP	91.87	91.66	94.65	2.78	CB	
A5	A6	0.40%	24	140	RCP	91.66	91.10	95.40	3.74	CB	
A6	A7	0.40%	24	182	RCP	91.10	90.38	96.45	5.35	CB	
A7	A8	0.40%	24	119	RCP	90.38	89.90	94.50	4.12	DI	
A8	A9	0.47%	24	85	RCP	89.90	89.50	92.65	2.75	DI	
A50	A51	1.46%	12	48	RCP	94.00	93.30	97.65	3.65	DI	
A51	A5	1.15%	15	131	RCP	93.20	91.70	97.65	4.45	DI	
A10	A11	0.43%	24	46	RCP	89.70	89.50	94.05	4.35	FES	
B1	B2	0.40%	12	88	RCP	95.04	94.68	97.85	2.81	DI	
B2	B3	0.40%	15	60	RCP	94.68	94.44	97.00	2.32	DI	
B3	B4	0.40%	18	62	RCP	94.44	94.20	97.00	2.56	DI	
B4	B5	0.40%	18	108	RCP	94.20	93.76	97.50	3.30	DI	
B5	B6	0.40%	18	148	RCP	93.76	93.17	97.50	3.74	DI	
B6	B7	0.40%	24	68	RCP	93.17	92.90	96.40	3.23	DI	
C1	C2	0.70%	12	71	RCP	92.50	92.00	94.20	1.70	FES	
D1	D2	0.42%	18	60	RCP	95.40	95.15	97.95	2.55	FES	
D4	D5	0.50%	30	90	RCP	91.00	90.55	94.10	3.10	FES	
E1	E2	0.51%	15	137	RCP	92.15	91.45	95.50	3.35	DI	
E2	E3	0.48%	15	62	RCP	91.35	91.05	93.75	2.40	DI	

LEGEND

MH — MANHOLE, SEE DETAIL SHEET C7.03.
CB — CATCH BASIN, SEE DETAIL SHEET C7.04.
DI — DROP INLET, SEE DETAIL SHEET C7.06.
FES — RCP FLARED END SECTION
PE — PLAIN END PIPE.

(A2) — STRUCTURE I.D. NUMBER

NOTES:

1. TOP ELEVATION IS TOP OF CURB FOR CATCH BASINS, TOP OF RIM FOR MANGLES, TOP OF GRATE FOR DROP INLETS, AND FINISH GRADE FOR CLEANOUTS.
2. ALL FES INLETS & OUTLETS SHALL BE RCP.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 1-02-2020

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE GRADING PLAN
AREA 1 - PHASE 1

C3.01

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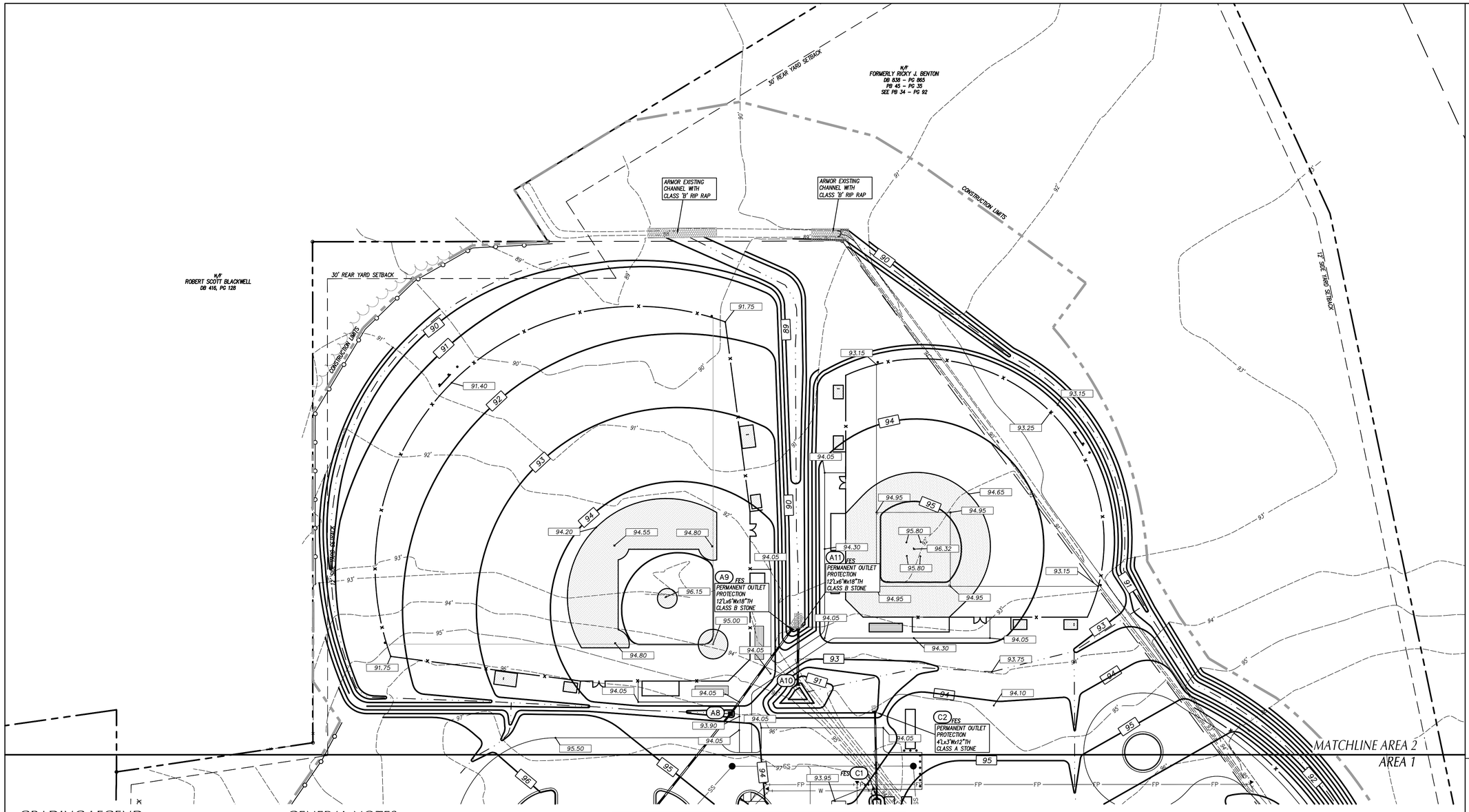

GRADING LEGEND

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- FINAL CONTOURS
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12. THE CROSS–SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
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DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.		PIPE	PIPE	PIPE	PIPE	UPPER	LOWER	UPSTREAM STRUCTURE DATA			
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A2	A4	0.40%	18	143	RCP	52.44	91.87	97.45	5.01	MH	
A4	A5	0.40%	18	51	RCP	51.87	91.66	94.65	2.78	CB	
A5	A6	0.40%	24	140	RCP	51.66	91.10	95.40	3.74	CB	
A6	A7	0.40%	24	182	RCP	51.10	90.38	96.45	5.35	CB	
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A8	A9	0.47%	24	85	RCP	89.90	89.50	92.65	2.75	DI	
A50	A51	1.46%	12	48	RCP	54.00	93.30	97.65	3.65	DI	
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B6	B7	0.40%	24	68	RCP	53.17	92.90	96.40	3.23	DI	
C1	C2	0.70%	12	71	RCP	92.50	92.00	94.20	1.70	FES	
D1	D2	0.42%	18	60	RCP	55.40	95.15	97.95	2.55	FES	
D4	D5	0.50%	30	90	RCP	51.00	90.55	94.10	3.10	FES	
E1	E2	0.51%	15	137	RCP	52.15	91.45	95.50	3.35	DI	
E2	E3	0.48%	15	62	RCP	51.35	91.05	93.75	2.40	DI	

LEGEND
- MH — MANHOLE, SEE DETAIL SHEET C7.03.
- CB — CATCH BASIN, SEE DETAIL SHEET C7.04.
- DI — DROP INLET, SEE DETAIL SHEET C7.06.
- FES — RCP FLARED END SECTION
- PE — PLAIN END PIPE
- (A2) — STRUCTURE I.D. NUMBER

NOTES:
1. TOP ELEVATION IS TOP OF CURB FOR CATCH BASINS, TOP OF RIM FOR MANHOLES, TOP OF GRATE FOR DROP INLETS, AND FINISH GRADE FOR CLEANOUTS.
2. ALL FES INLETS & OUTLETS SHALL BE RCP.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
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Phone: (919) 319–6716
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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 1-01-2020

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE GRADING PLAN
AREA 2 - PHASE 1
C3.02

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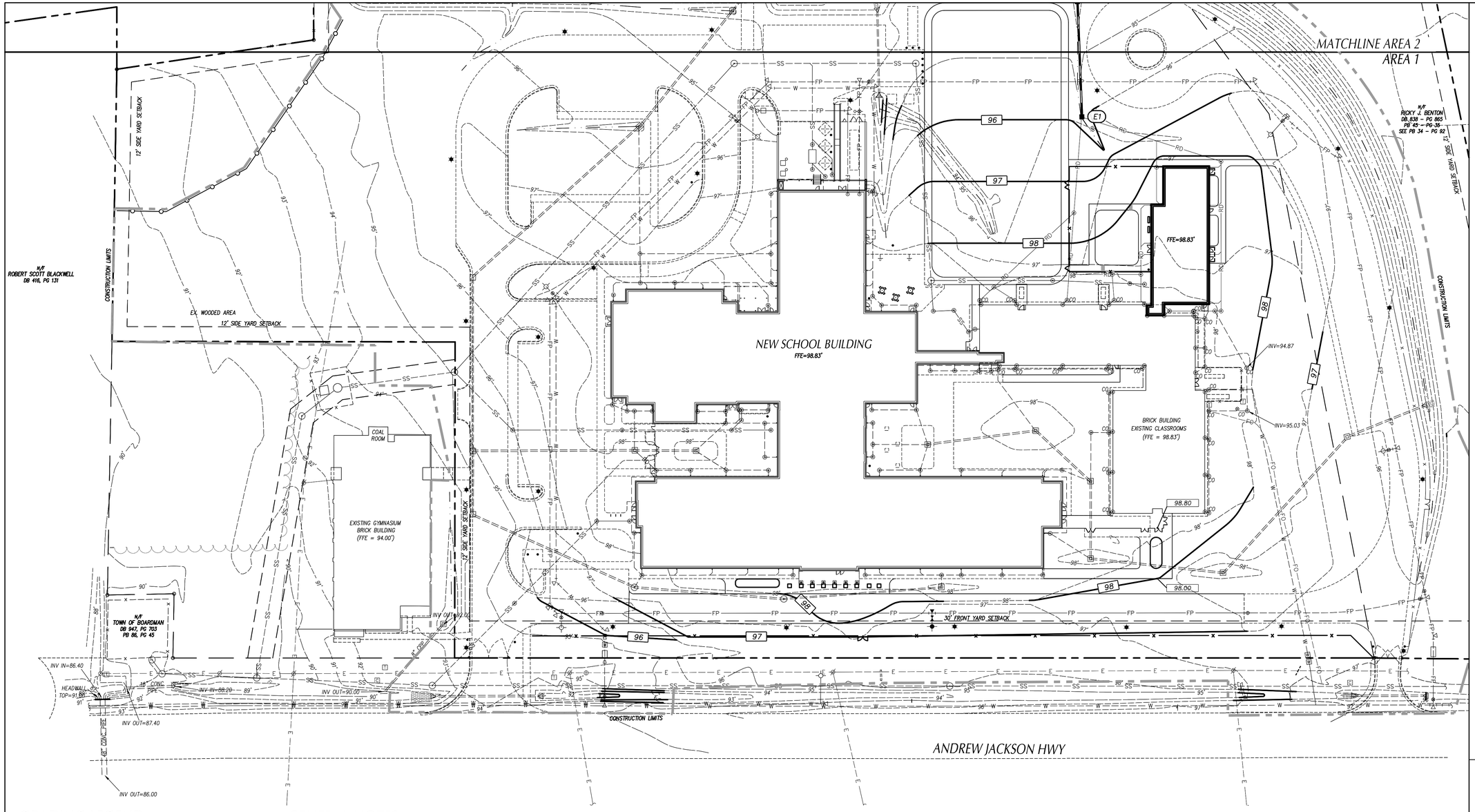

GRADING LEGEND

- EXISTING CONTOURS
- FINAL CONTOURS
- 270.4' + — EXISTING SURVEY SPOT ELEVATION
- 270.50T — PROPOSED TOP OF CURB SPOT ELEVATION
- 270.50TW / 270.50BW — PROPOSED TOP OF WALL AND BOTTOM OF WALL ELEVATION. TOP OF WALL ELEVATION EQUALS GRADE ELEVATION AT THE HIGH SIDE OF THE WALL. BOTTOM OF WALL ELEVATION EQUALS GRADE ELEVATION AT THE LOW SIDE OF THE WALL.
- 270.50 — PROPOSED GROUND/PAVEMENT ELEVATION
- (A1) — STORM STRUCTURE NUMBER
- EXISTING STORM DRAIN PIPE
- PROPOSED STORM DRAIN PIPE
- FD — PROPOSED FOUNDATION DRAIN DISCHARGE LINE. SEE ARCH. PLANS FOR DRAIN PIPE LOCATIONS ALONG BUILDING WALLS.
- RD — PROPOSED ROOF DRAIN
- TREE PROTECTION FENCE

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN CERRO GORDO AND NCDOT STANDARDS AND SPECIFICATIONS.
2. ALL SPOT ELEVATIONS INDICATED AT CURB AND GUTTER AND ARE DENOTED TO TOP OF CURB, UNLESS OTHERWISE SHOWN.
3. TOTAL DENUDED AREA = 19 AC.
4. CONTRACTOR SHALL ADJUST ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. AS NEEDED TO MATCH FINISH GRADE.
5. ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNERS INDEPENDENT TESTING LABORATORY. (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
6. ALL STORM DRAIN PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER STOPPAGE OF WORK EACH DAY. SEE DETAIL ON SHEET C7.01.
7. EXISTING VEGETATION WITHIN TREE PROTECTION AREAS SHALL REMAIN UNDISTURBED. UNLESS NOTED OTHERWISE.
8. ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9. THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE.
10. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY STATE AUTHORITIES OR THE ARCHITECT.
11. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
12. THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
13. CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS WHERE NEW CONSTRUCTION JOIN OR CONNECT TO EXISTING PAVEMENT, CURB AND OTHER RIGID STRUCTURES. NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.		PIPE	PIPE	PIPE	PIPE	UPPER	LOWER	UPSTREAM STRUCTURE DATA			
UP STRM	DN STRM	SLOPE	DIA. (IN)	LENGTH (LF)	MATRL	INV. (FT)	INV. (FT)	TOP ELEV. (FT).(1)	DEPTH (FT)	TYPE	NOTES
A1	A2	0.94%	12	127	RCP	94.80	93.60	97.70	2.90	DI	
A2	A4	0.40%	18	143	RCP	92.44	91.87	97.45	5.01	MH	
A4	A5	0.40%	18	51	RCP	91.87	91.66	94.65	2.78	CB	
A5	A6	0.40%	24	140	RCP	91.66	91.10	95.40	3.74	CB	
A6	A7	0.40%	24	182	RCP	91.10	90.38	96.45	5.35	CB	
A7	A8	0.40%	24	119	RCP	90.38	89.90	94.50	4.12	DI	
A8	A9	0.47%	24	85	RCP	89.90	89.50	92.65	2.75	DI	
A50	A51	1.46%	12	48	RCP	94.00	93.30	97.65	3.65	DI	
A51	A5	1.15%	15	131	RCP	93.20	91.70	97.65	4.45	DI	
A10	A11	0.43%	24	46	RCP	89.70	89.50	94.05	4.35	FES	
B1	B2	0.40%	12	88	RCP	95.04	94.68	97.85	2.81	DI	
B2	B3	0.40%	15	60	RCP	94.68	94.44	97.00	2.32	DI	
B3	B4	0.40%	18	62	RCP	94.44	94.20	97.00	2.56	DI	
B4	B5	0.40%	18	108	RCP	94.20	93.76	97.50	3.30	DI	
B5	B6	0.40%	18	148	RCP	93.76	93.17	97.50	3.74	DI	
B6	B7	0.40%	24	68	RCP	93.17	92.90	96.40	3.23	DI	
C1	C2	0.70%	12	71	RCP	92.50	92.00	94.20	1.70	FES	
D1	D2	0.42%	18	60	RCP	95.40	95.15	97.95	2.55	FES	
D4	D5	0.50%	30	90	RCP	91.00	90.55	94.10	3.10	FES	
E1	E2	0.51%	15	137	RCP	92.15	91.45	95.50	3.35	DI	
E2	E3	0.48%	15	62	RCP	91.35	91.05	93.75	2.40	DI	

LEGEND

- MH — MANHOLE, SEE DETAIL SHEET C7.03.
- CB — CATCH BASIN, SEE DETAIL SHEET C7.04.
- DI — DROP INLET, SEE DETAIL SHEET C7.06.
- FES — RCP FLARED END SECTION
- PE — PLAIN END PIPE
- (A2) — STRUCTURE I.D. NUMBER

NOTES:

1. TOP ELEVATION IS TOP OF CURB FOR CATCH BASINS, TOP OF RIM FOR MANHOLES, TOP OF GRATE FOR DROP INLETS, AND FINISH GRADE FOR CLEANOUTS.
2. ALL FES INLETS & OUTLETS SHALL BE RCP.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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BID AND CONSTRUCTION

SITE GRADING PLAN
AREA 1 - PHASE 2

C3.03

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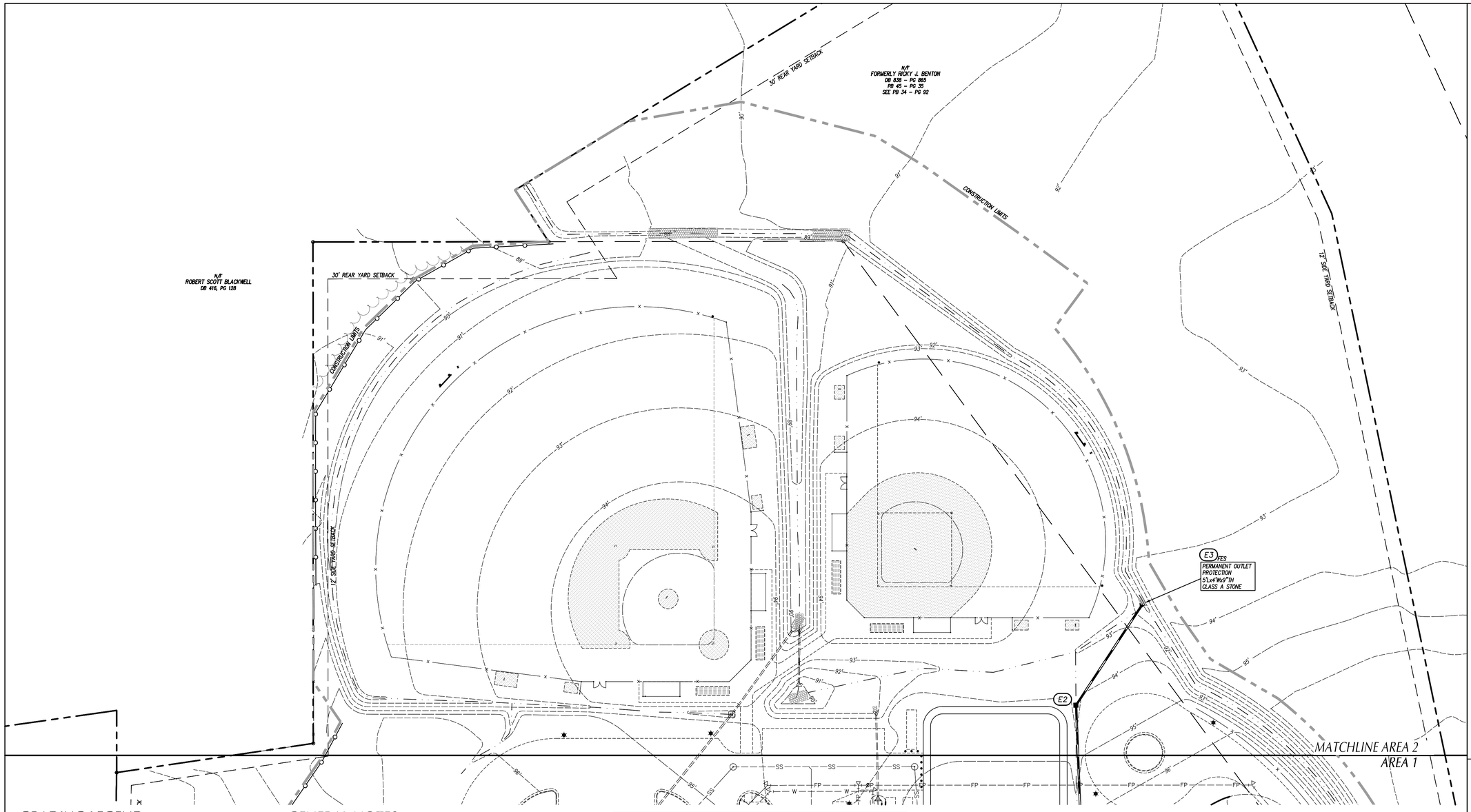

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BID AND CONSTRUCTION

SITE GRADING PLAN
AREA 2 - PHASE 2
C3.04

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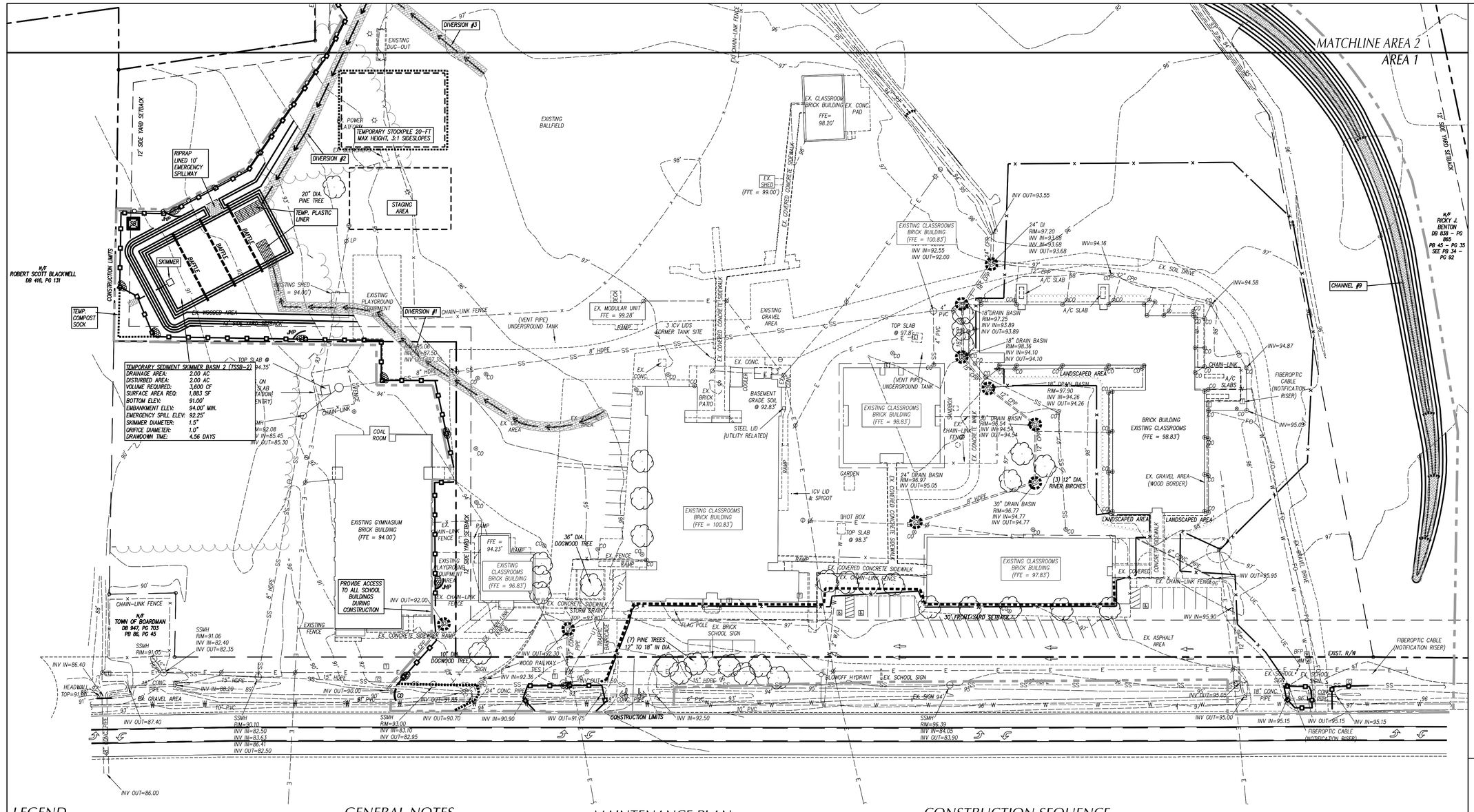

LEGEND

- TEMP. GRAVEL CONSTR. ENTRANCE — SEE DETAIL SHEET C7.01.
- TEMP. INLET PROTECTION — SEE DETAIL SHEET C7.01.
- TEMP. SILT FENCE — SEE DETAIL SHEET C7.01.
- TEMP. REINFORCED SILT FENCE J-HOOK PROTECTION. SEE DETAIL SHEET C7.01.
- PERMANENT OUTLET PROTECTION — SEE DETAIL SHEET C7.02.
- TEMP. CONCRETE WASHOUT AREA — SEE DETAIL SHEET C7.03.
- TEMP. PLASTIC LINING, SEE TEMP. BASIN BAFFLES ON DETAIL SHEET C7.02.
- TEMP. COMPOST SOCK IN CHANNEL — SEE DETAIL SHEET C7.02
- TEMP. SKIMMER SEDIMENT BASIN — SEE DETAIL SHEET C7.02.
- TEMP. REINFORCED SILT FENCE OUTLET — SEE DETAIL SHEET C7.01.
- CHANNEL LINING — SEE DETAIL SHEET C7.02.
- TEMP. DIVERSION DITCH / BERM — SEE DETAIL SHEET C7.02.
- TREE PROTECTION FENCE — SEE DETAIL SHEET C7.01.
- TEMP. COMPOST SOCK — SEE DETAIL SHEET C7.01
- TEMP. DEWATERING SILT BAG — SEE DETAIL SHEET C7.01.
- EXISTING CONTOUR
- FINISHED CONTOUR
- TEMP. CONTOUR (TEMP. GRADES DURING CONSTR.)
- PROPOSED STORM SEWER PIPES
- EXISTING STORM SEWER PIPES
- CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
- TEMP. CHECK DAM — SEE DETAIL SHEET C7.03.
- TEMP. ROCK PIPE INLET PROTECTION — SEE DETAIL SHEET C7.01.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
4. TOTAL DISTURBED AREA: 18 AC.
5. ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C7.01.
6. ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
7. THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
8. SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
9. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
10. TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA, SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.
11. ROADSIDE DITCHES AND CHANNELS SHALL BE STABILIZED DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
12. INSTALL TEMPORARY MATTING TO TOP OF ALL SIDE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS.

MAINTENANCE PLAN

1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (SEE DETAIL C7.03) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (BELOW) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
3. THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
4. SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
5. ALL OTHER SEEDED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

SELF-INSPECTION RULES

SEE SHEET C7.04 FOR SELF-INSPECTION REQUIREMENTS.

THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCDEMLR'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ONSITE.

SLOPE & SURFACE STABILIZATION

GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C7.03.

EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION II.B(2) (b))

THE REQUIREMENTS ON SHEET C7.03 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.

INSTALL TEMPORARY EXCELSIOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312900 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

CONSTRUCTION SEQUENCE

INITIAL PHASE (SEE SHEETS C4.01-C4.02)

1. INSTALL TREE PROTECTION FENCING.
2. OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE. NOTIFY EROSION CONTROL AUTHORITIES OF PROPOSED STARTING DATE OF LAND DISTURBING ACTIVITIES.
3. CALL NC DEQ LQS AT 910-796-7215 TO SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ACTIVITIES ON SITE.
4. INSTALL CONSTRUCTION ENTRANCES, TEMPORARY CONCRETE WASHOUTS, PERIMETER SILT FENCES, SILT FENCE OUTLETS, TEMPORARY SEDIMENT TRAP AND TEMPORARY COMPOST SOCKS. ESTABLISH TEMPORARY CONSTRUCTION TRAILERS WITHIN STAGING AREA.
5. INSTALL TEMPORARY SEDIMENT SKIMMER BASINS. INSTALL PLASTIC SLOPE PROTECTION ON SLOPES RECEIVING RUN-OFF AND BAFFLES. ALL TEMPORARY BASINS SHALL BE SEEDED, MULCHED/LINED AND ANCHORED IMMEDIATELY UPON INSTALLATION.
6. INSTALL TEMPORARY DIVERSION DITCHES. SEED AND INSTALL TEMPORARY CHANNEL LININGS IMMEDIATELY FOLLOWING GRADING.
7. CLEAR AND GRUB AREAS ONLY AS REQUIRED FOR INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES.
8. CALL FOR INSPECTION OF INSTALLED DEVICES.
9. IF DEVICES ARE APPROVED, PERFORM DEMOLITION AND CLEARING OPERATIONS.
10. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE PHASE (SEE SHEETS C4.03-C4.06)

11. INSTALL ALL ADDITIONAL PERIMETER SILT FENCE AND TEMPORARY COMPOST SOCKS.
12. TEMPORARY COMPOST SOCKS TO BE REPLACED AT THE END OF EACH WORK DAY SO THAT ANY RUNOFF IS INTERCEPTED BY THE SOCK PRIOR TO ENTERING ANY CONVEYANCE (DITCH/PIPE/INLET).
13. STRIP TOPSOIL, STOCKPILE TOPSOIL WITHIN CONSTRUCTION LIMITS. INSTALL AND MAINTAIN ALL SILT FENCE AROUND TEMPORARY STOCKPILES.
14. BEGIN ROUGH GRADING OPERATIONS.
15. ALL WORK ASSOCIATED WITH STREAM IMPACTS SHALL BE AS APPROVED BY USACE AND NCDWR PERMIT REQUIREMENTS.
16. AT THE END OF EACH DAY, INSTALL AND ADJUST DIVERSION DITCHES TO CONTINUE TO DIRECT RUN-OFF TO TEMPORARY BASINS.
17. INSTALL STORM DRAINAGE SYSTEM IN DRY CONDITIONS AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY.
18. INSTALL TEMPORARILY SEED STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED AT FINISH GRADE.
19. RESPREAD TOPSOIL AND VEGETATE STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED. STABILIZE ROADSIDE DITCHES AND CHANNELS DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
20. VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES.
21. INSTALL SILT BAG INLET PROTECTION ONCE CURB & GUTTER IS INSTALLED. PROVIDE TEMPORARY SAND BAGS TO DIRECT RUN-OFF INTO INLETS.
22. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
23. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, PUMP SEDIMENT LADEN WATER THROUGH SILT BAGS AND REMOVE REMAINING TEMPORARY SKIMMER SEDIMENT BASINS. SEED AND MULCH SLOPE OF ALL DISTURBED AREAS REMAINING ON SITE.
24. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVED TEMPORARY SKIMMER BASINS AND CONVERT ANY TEMPORARY EROSION CONTROL MEASURES TO FINISHED GRADES (SEE GRADING PLAN C3.01-C3.04). SEED AND MULCH ALL DISTURBED AREAS.
25. REMOVE TEMPORARY CONSTRUCTION ENTRANCES, CONTRACTOR STAGING AREA AND ANY REMAINING TEMPORARY MATERIAL STOCKPILES. SEED AND MULCH ALL DISTURBED AREAS.
26. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVE REMAINING TEMPORARY EROSION CONTROL MEASURES. SEED AND MULCH ANY REMAINING DISTURBED AREAS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

INITIAL SITE EROSION CONTROL PLAN AREA 1 - PHASE 1

C4.01

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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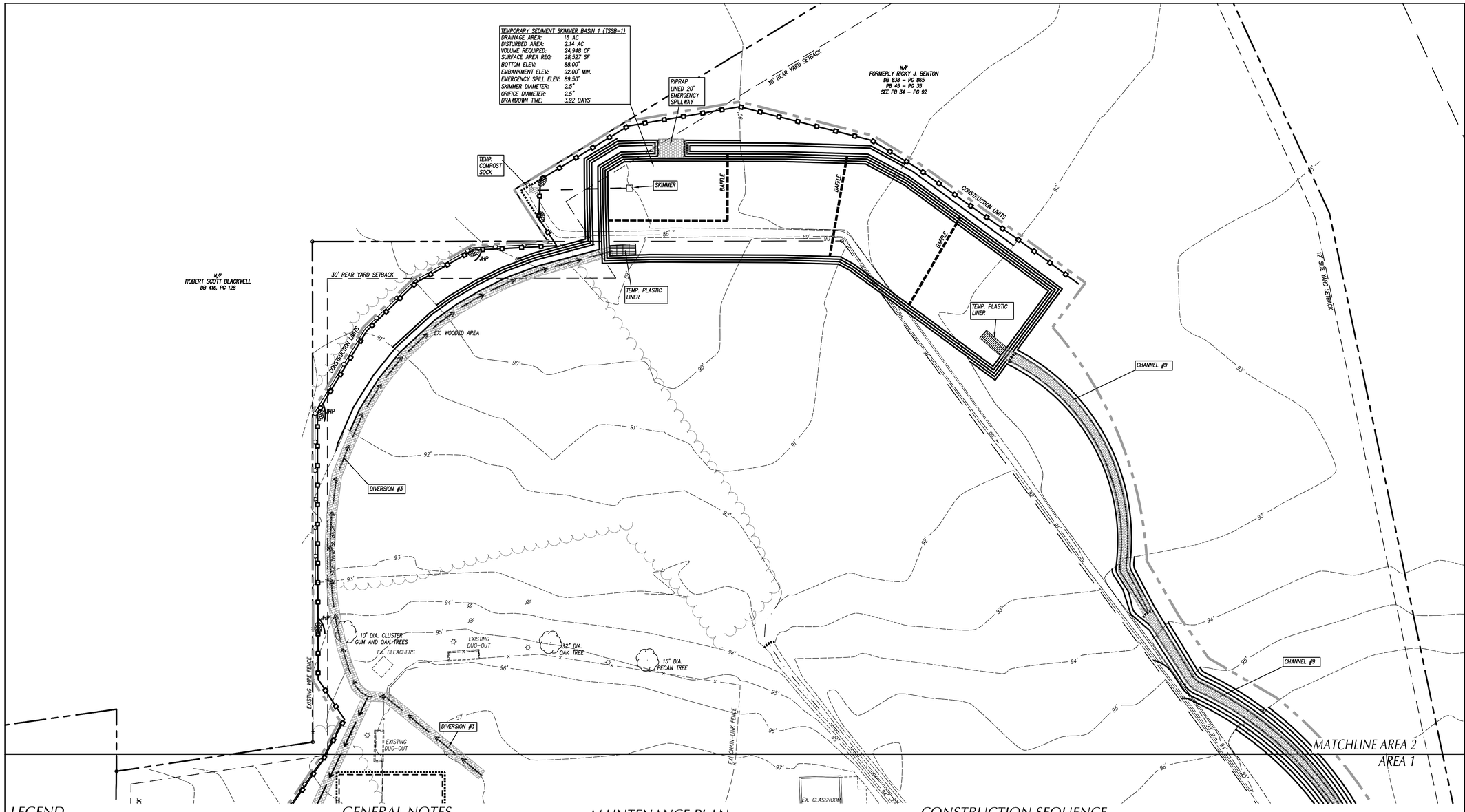

LEGEND

- TEMP. GRAVEL CONSTR. ENTRANCE — SEE DETAIL SHEET C7.01.
- TEMP. INLET PROTECTION — SEE DETAIL SHEET C7.01.
- TEMP. SILT FENCE — SEE DETAIL SHEET C7.01.
- TEMP. REINFORCED SILT FENCE J-HOOK PROTECTION. SEE DETAIL SHEET C7.01.
- PERMANENT OUTLET PROTECTION — SEE DETAIL SHEET C7.02.
- TEMP. CONCRETE WASHOUT AREA — SEE DETAIL SHEET C7.03.
- TEMP. PLASTIC LINING, SEE TEMP. BASIN BAFFLES ON DETAIL SHEET C7.02.
- TEMP. COMPOST SOCK IN CHANNEL — SEE DETAIL SHEET C7.02
- TEMP. SKIMMER SEDIMENT BASIN — SEE DETAIL SHEET C7.02.
- TEMP. REINFORCED SILT FENCE OUTLET PROTECTION — SEE DETAIL SHEET C7.01.
- CHANNEL LINING — SEE DETAIL SHEET C7.02.
- TEMP. DIVERSION DITCH / BERM — SEE DETAIL SHEET C7.02.
- TREE PROTECTION FENCE — SEE DETAIL SHEET C7.01.
- TEMP. COMPOST SOCK — SEE DETAIL SHEET C7.01
- TEMP. DEWATERING SILT BAG — SEE DETAIL SHEET C7.01.
- EXISTING CONTOUR
- FINISHED CONTOUR
- TEMP. CONTOUR (TEMP. GRADES DURING CONSTR.)
- PROPOSED STORM SEWER PIPES
- EXISTING STORM SEWER PIPES
- CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
- TEMP. CHECK DAM — SEE DETAIL SHEET C7.03.
- TEMP. ROCK PIPE INLET PROTECTION — SEE DETAIL SHEET C7.01.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
4. TOTAL DISTURBED AREA: 18 AC.
5. ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C7.01.
6. ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
7. THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
8. SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
9. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
10. TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA, SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.
11. ROADSIDE DITCHES AND CHANNELS SHALL BE STABILIZED DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
12. INSTALL TEMPORARY MATTING TO TOP OF ALL SIDE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS.

MAINTENANCE PLAN

1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (SEE DETAIL C7.03) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (BELOW) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
3. THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
4. SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
5. ALL OTHER SEEDED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

SELF-INSPECTION RULES

SEE SHEET C7.04 FOR SELF-INSPECTION REQUIREMENTS.

THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCDEMLR'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ONSITE.

SLOPE & SURFACE STABILIZATION

GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C7.03.

EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION II.B(2) (b))

THE REQUIREMENTS ON SHEET C7.03 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.

INSTALL TEMPORARY EXCELSIOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312900 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

CONSTRUCTION SEQUENCE

INITIAL PHASE (SEE SHEETS C4.01-C4.02)

1. INSTALL TREE PROTECTION FENCING.
2. OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE. NOTIFY EROSION CONTROL AUTHORITIES OF PROPOSED STARTING DATE OF LAND DISTURBING ACTIVITIES.
3. CALL NC DEQ LQS AT 910-796-7215 TO SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ACTIVITIES ON SITE.
4. INSTALL CONSTRUCTION ENTRANCES, TEMPORARY CONCRETE WASHOUTS, PERIMETER SILT FENCES, SILT FENCE OUTLETS, TEMPORARY SEDIMENT TRAP AND TEMPORARY COMPOST SOCKS. ESTABLISH TEMPORARY CONSTRUCTION TRAILERS WITHIN STAGING AREA.
5. INSTALL TEMPORARY SEDIMENT SKIMMER BASINS. INSTALL PLASTIC SLOPE PROTECTION ON SLOPES RECEIVING RUN-OFF AND BAFFLES. ALL TEMPORARY BASINS SHALL BE SEEDED, MULCHED/LINED AND ANCHORED IMMEDIATELY UPON INSTALLATION.
6. INSTALL TEMPORARY DIVERSION DITCHES. SEED AND INSTALL TEMPORARY CHANNEL LININGS IMMEDIATELY FOLLOWING GRADING.
7. CLEAR AND GRUB AREAS ONLY AS REQUIRED FOR INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES.
8. CALL FOR INSPECTION OF INSTALLED DEVICES.
9. IF DEVICES ARE APPROVED, PERFORM DEMOLITION AND CLEARING OPERATIONS.
10. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE PHASE (SEE SHEETS C4.03-C4.06)

11. INSTALL ALL ADDITIONAL PERIMETER SILT FENCE AND TEMPORARY COMPOST SOCKS.
12. TEMPORARY COMPOST SOCKS TO BE REPLACED AT THE END OF EACH WORK DAY SO THAT ANY RUNOFF IS INTERCEPTED BY THE SOCK PRIOR TO ENTERING ANY CONVEYANCE (DITCH/PIPE/INLET).
13. STRIP TOPSOIL, STOCKPILE TOPSOIL WITHIN CONSTRUCTION LIMITS. INSTALL AND MAINTAIN ALL SILT FENCE AROUND TEMPORARY STOCKPILES.
14. BEGIN ROUGH GRADING OPERATIONS.
15. ALL WORK ASSOCIATED WITH STREAM IMPACTS SHALL BE AS APPROVED BY USACE AND NCDWR PERMIT REQUIREMENTS.
16. AT THE END OF EACH DAY, INSTALL AND ADJUST DIVERSION DITCHES TO CONTINUE TO DIRECT RUN-OFF TO TEMPORARY BASINS.
17. INSTALL STORM DRAINAGE SYSTEM IN DRY CONDITIONS AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY.
18. INSTALL TEMPORARILY SEED STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED AT FINISH GRADE.
19. RESPREAD TOPSOIL, AND VEGETATE STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED. STABILIZE ROADSIDE DITCHES AND CHANNELS DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
20. VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES.
21. INSTALL SILT BAG INLET PROTECTION ONCE CURB & GUTTER IS INSTALLED. PROVIDE TEMPORARY SAND BAGS TO DIRECT RUN-OFF INTO INLETS.
22. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
23. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, PUMP SEDIMENT LADEN WATER THROUGH SILT BAGS AND REMOVE REMAINING TEMPORARY SKIMMER SEDIMENT BASINS. SEED AND MULCH SLOPE OF ALL DISTURBED AREAS REMAINING ON SITE.
24. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVED TEMPORARY SKIMMER BASINS AND CONVERT ANY TEMPORARY EROSION CONTROL MEASURES TO FINISHED GRADES (SEE GRADING PLAN C3.01-C3.04). SEED AND MULCH ALL DISTURBED AREAS.
25. REMOVE TEMPORARY CONSTRUCTION ENTRANCES, CONTRACTOR STAGING AREA AND ANY REMAINING TEMPORARY MATERIAL STOCKPILES. SEED AND MULCH ALL DISTURBED AREAS.
26. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVE REMAINING TEMPORARY EROSION CONTROL MEASURES. SEED AND MULCH ANY REMAINING DISTURBED AREAS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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LA: C-106
PE: C-1595

NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 1-02-2020

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

INITIAL SITE EROSION CONTROL PLAN
AREA 2 - PHASE 1

C4.02

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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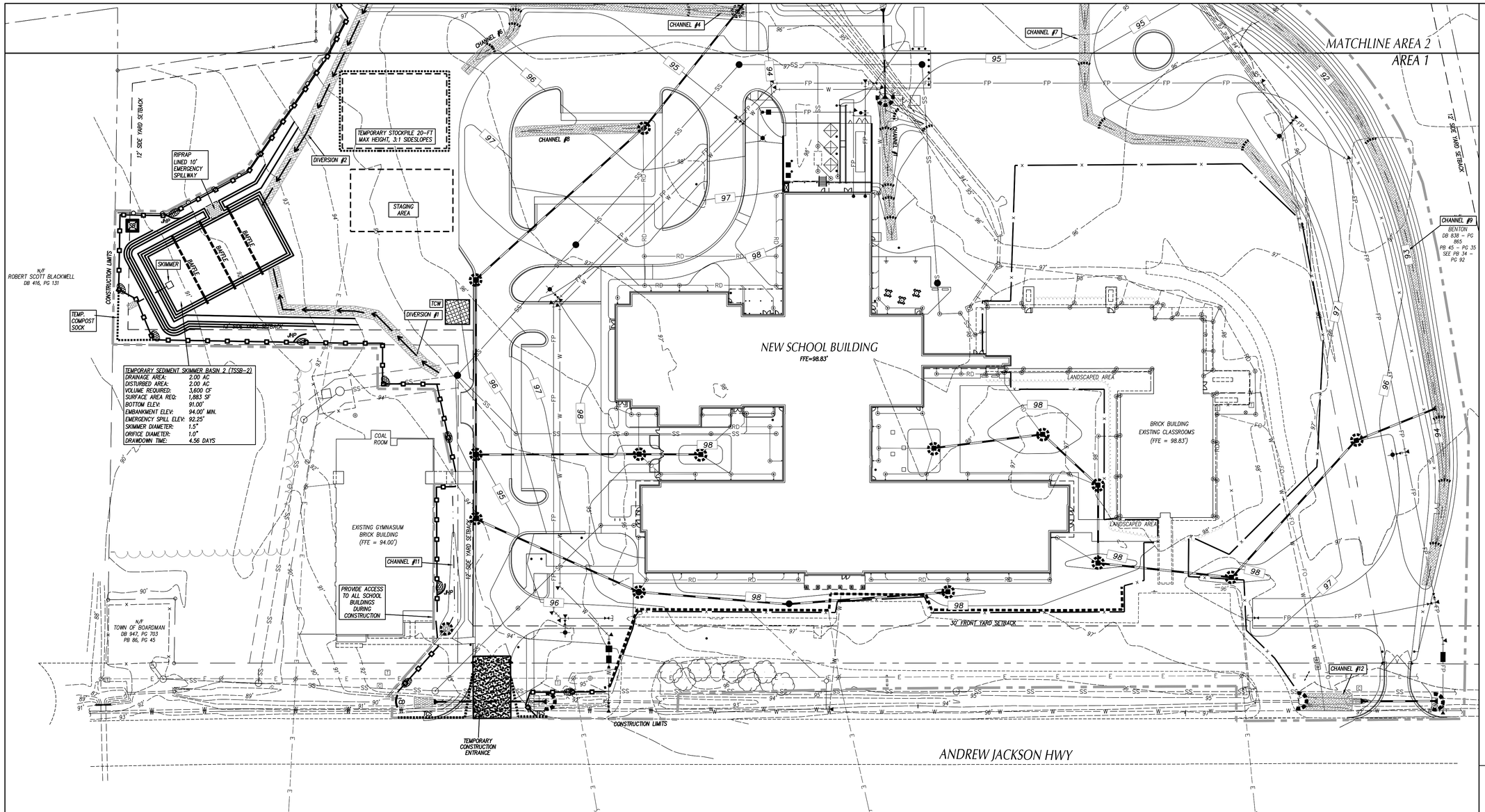

LEGEND

- TEMP. GRAVEL CONSTR. ENTRANCE — SEE DETAIL SHEET C7.01.
- TEMP. INLET PROTECTION — SEE DETAIL SHEET C7.01.
- TEMP. SILT FENCE — SEE DETAIL SHEET C7.01.
- TEMP. REINFORCED SILT FENCE J-HOOK PROTECTION. SEE DETAIL SHEET C7.01.
- PERMANENT OUTLET PROTECTION — SEE DETAIL SHEET C7.02.
- TEMP. CONCRETE WASHOUT AREA — SEE DETAIL SHEET C7.03.
- TEMP. PLASTIC LINING, SEE TEMP. BASIN BAFFLES ON DETAIL SHEET C7.02.
- TEMP. COMPOST SOCK IN CHANNEL — SEE DETAIL SHEET C7.02
- TEMP. SKIMMER SEDIMENT BASIN — SEE DETAIL SHEET C7.02.
- TEMP. REINFORCED SILT FENCE OUTLET — SEE DETAIL SHEET C7.01.
- CHANNEL LINING — SEE DETAIL SHEET C7.02.
- TEMP. DIVERSION DITCH / BERM — SEE DETAIL SHEET C7.02.
- TREE PROTECTION FENCE — SEE DETAIL SHEET C7.01.
- TEMP. COMPOST SOCK — SEE DETAIL SHEET C7.01
- TEMP. DEWATERING SILT BAG — SEE DETAIL SHEET C7.01.
- EXISTING CONTOUR
- FINISHED CONTOUR
- TEMP. CONTOUR (TEMP. GRADES DURING CONSTR.)
- PROPOSED STORM SEWER PIPES
- EXISTING STORM SEWER PIPES
- CONSTRUCTION LIMITS — UNLESS OTHERWISE NOTED.
- TEMP. CHECK DAM — SEE DETAIL SHEET C7.03.
- TEMP. ROCK PIPE INLET PROTECTION — SEE DETAIL SHEET C7.01.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
4. TOTAL DISTURBED AREA: 18 AC.
5. ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C7.01.
6. ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
7. THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
8. SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
9. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
10. TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA, SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.
11. ROADSIDE DITCHES AND CHANNELS SHALL BE STABILIZED DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
12. INSTALL TEMPORARY MATTING TO TOP OF ALL SIDE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS.

MAINTENANCE PLAN

1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (SEE DETAIL C7.03) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (BELOW) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
3. THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
4. SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
5. ALL OTHER SEEDED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

SELF-INSPECTION RULES

SEE SHEET C7.04 FOR SELF-INSPECTION REQUIREMENTS.

THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCDEMLR'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ONSITE.

SLOPE & SURFACE STABILIZATION

GROUND STABLIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C7.03.

EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION II.B(2) (b))

THE REQUIREMENTS ON SHEET C7.03 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.

INSTALL TEMPORARY EXCELSIOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312500 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

CONSTRUCTION SEQUENCE

INITIAL PHASE (SEE SHEETS C4.01–C4.02)

1. INSTALL TREE PROTECTION FENCING.
2. OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE. NOTIFY EROSION CONTROL AUTHORITIES OF PROPOSED STARTING DATE OF LAND DISTURBING ACTIVITIES.
3. CALL NC DEQ LQS AT 910-796-7215 TO SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ACTIVITIES ON SITE.
4. INSTALL CONSTRUCTION ENTRANCES, TEMPORARY CONCRETE WASHOUTS, PERIMETER SILT FENCES, SILT FENCE OUTLETS, TEMPORARY SEDIMENT TRAP AND TEMPORARY COMPOST SOCKS. ESTABLISH TEMPORARY CONSTRUCTION TRAILERS WITHIN STAGING AREA.
5. INSTALL TEMPORARY SEDIMENT SKIMMER BASINS. INSTALL PLASTIC SLOPE PROTECTION ON SLOPES RECEIVING RUN-OFF AND BAFFLES. ALL TEMPORARY BASINS SHALL BE SEEDED, MULCHED/LINED AND ANCHORED IMMEDIATELY UPON INSTALLATION.
6. INSTALL TEMPORARY DIVERSION DITCHES. SEED AND INSTALL TEMPORARY CHANNEL LININGS IMMEDIATELY FOLLOWING GRADING.
7. CLEAR AND GRUB AREAS ONLY AS REQUIRED FOR INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES.
8. CALL FOR INSPECTION OF INSTALLED DEVICES.
9. IF DEVICES ARE APPROVED, PERFORM DEMOLITION AND CLEARING OPERATIONS.
10. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE PHASE (SEE SHEETS C4.03–C4.06)

11. INSTALL ALL ADDITIONAL PERIMETER SILT FENCE AND TEMPORARY COMPOST SOCKS.
12. TEMPORARY COMPOST SOCKS TO BE REPLACED AT THE END OF EACH WORK DAY SO THAT ANY RUNOFF IS INTERCEPTED BY THE SOCK PRIOR TO ENTERING ANY CONVEYANCE (DITCH/PIPE/INLET).
13. STRIP TOPSOIL, STOCKPILE TOPSOIL WITHIN CONSTRUCTION LIMITS. INSTALL AND MAINTAIN ALL SILT FENCE AROUND TEMPORARY STOCKPILES.
14. BEGIN ROUGH GRADING OPERATIONS.
15. ALL WORK ASSOCIATED WITH STREAM IMPACTS SHALL BE AS APPROVED BY USACE AND NCDWR PERMIT REQUIREMENTS.
16. AT THE END OF EACH DAY, INSTALL AND ADJUST DIVERSION DITCHES TO CONTINUE TO DIRECT RUN-OFF TO TEMPORARY BASINS.
17. INSTALL STORM DRAINAGE SYSTEM IN DRY CONDITIONS AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY.
18. INSTALL TEMPORARILY SEED STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED AT FINISH GRADE.
19. RESPREAD TOPSOIL, AND VEGETATE STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED. STABILIZE ROADSIDE DITCHES AND CHANNELS DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
20. VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES.
21. INSTALL SILT BAG INLET PROTECTION ONCE CURB & GUTTER IS INSTALLED. PROVIDE TEMPORARY SAND BAGS TO DIRECT RUN-OFF INTO INLETS.
22. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
23. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, PUMP SEDIMENT LADEN WATER THROUGH SILT BAGS AND REMOVE REMAINING TEMPORARY SKIMMER SEDIMENT BASINS. SEED AND MULCH SLOPE OF ALL DISTURBED AREAS REMAINING ON SITE.
24. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVED TEMPORARY SKIMMER BASINS AND CONVERT ANY TEMPORARY EROSION CONTROL MEASURES TO FINISHED GRADES (SEE GRADING PLAN C3.01–C3.04). SEED AND MULCH ALL DISTURBED AREAS.
25. REMOVE TEMPORARY CONSTRUCTION ENTRANCES, CONTRACTOR STAGING AREA AND ANY REMAINING TEMPORARY MATERIAL STOCKPILES. SEED AND MULCH ALL DISTURBED AREAS.
26. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVE REMAINING TEMPORARY EROSION CONTROL MEASURES. SEED AND MULCH ANY REMAINING DISTURBED AREAS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 1-02-2020

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE EROSION CONTROL PLAN
AREA 1 - PHASE 1

C4.03

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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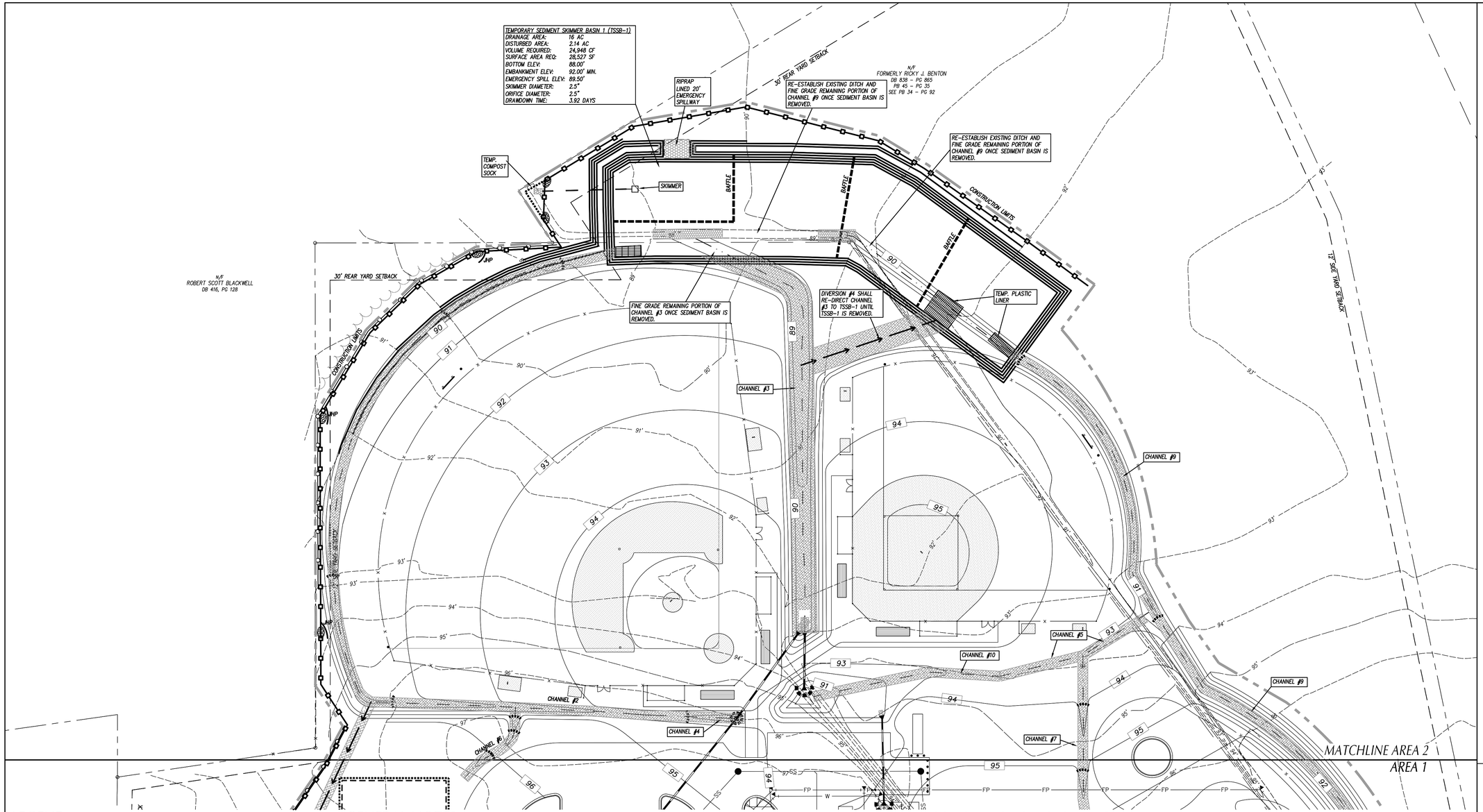

LEGEND

- TEMP. GRAVEL CONSTR. ENTRANCE — SEE DETAIL SHEET C7.01.
- TEMP. INLET PROTECTION — SEE DETAIL SHEET C7.01.
- TEMP. SILT FENCE — SEE DETAIL SHEET C7.01.
- TEMP. REINFORCED SILT FENCE J-HOOK PROTECTION. — SEE DETAIL SHEET C7.01.
- PERMANENT OUTLET PROTECTION — SEE DETAIL SHEET C7.02.
- TEMP. CONCRETE WASHOUT AREA — SEE DETAIL SHEET C7.03.
- TEMP. PLASTIC LINING, SEE TEMP. BASIN BAFFLES ON DETAIL SHEET C7.02.
- TEMP. COMPOST SOCK IN CHANNEL — SEE DETAIL SHEET C7.02
- TEMP. SKIMMER SEDIMENT BASIN — SEE DETAIL SHEET C7.02.
- TEMP. REINFORCED SILT FENCE OUTLET — SEE DETAIL SHEET C7.01.
- CHANNEL LINING — SEE DETAIL SHEET C7.02.
- TEMP. DIVERSION DITCH / BERM — SEE DETAIL SHEET C7.02.
- TREE PROTECTION FENCE — SEE DETAIL SHEET C7.01.
- TEMP. COMPOST SOCK — SEE DETAIL SHEET C7.01
- TEMP. DEWATERING SILT BAG — SEE DETAIL SHEET C7.01.
- EXISTING CONTOUR
- FINISHED CONTOUR
- TEMP. CONTOUR (TEMP. GRADES DURING CONSTR.)
- PROPOSED STORM SEWER PIPES
- EXISTING STORM SEWER PIPES
- CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
- TEMP. CHECK DAM — SEE DETAIL SHEET C7.03.
- TEMP. ROCK PIPE INLET PROTECTION — SEE DETAIL SHEET C7.01.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
4. TOTAL DISTURBED AREA: 18 AC.
5. ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C7.01.
6. ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
7. THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
8. SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
9. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
10. TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA, SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.
11. ROADSIDE DITCHES AND CHANNELS SHALL BE STABILIZED DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
12. INSTALL TEMPORARY MATTING TO TOP OF ALL SIDE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS.

MAINTENANCE PLAN

1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (SEE DETAIL C7.03) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (BELOW) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
3. THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
4. SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
5. ALL OTHER SEEDED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

SELF-INSPECTION RULES

SEE SHEET C7.04 FOR SELF-INSPECTION REQUIREMENTS.

THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCDEMLR'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ONSITE.

SLOPE & SURFACE STABILIZATION

GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C7.03.

EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION II.B(2) (b))

THE REQUIREMENTS ON SHEET C7.03 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.

INSTALL TEMPORARY EXCELSIOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312500 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

CONSTRUCTION SEQUENCE

INITIAL PHASE (SEE SHEETS C4.01-C4.02)

1. INSTALL TREE PROTECTION FENCING.
2. OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE. NOTIFY EROSION CONTROL AUTHORITIES OF PROPOSED STARTING DATE OF LAND DISTURBING ACTIVITIES.
3. CALL NC DEQ LOS AT 910-796-7215 TO SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ACTIVITIES ON SITE.
4. INSTALL CONSTRUCTION ENTRANCES, TEMPORARY CONCRETE WASHOUTS, PERIMETER SILT FENCES, SILT FENCE OUTLETS, TEMPORARY SEDIMENT TRAP AND TEMPORARY COMPOST SOCKS. ESTABLISH TEMPORARY CONSTRUCTION TRAILERS WITHIN STAGING AREA.
5. INSTALL TEMPORARY SEDIMENT SKIMMER BASINS. INSTALL PLASTIC SLOPE PROTECTION ON SLOPES RECEIVING RUN-OFF AND BAFFLES. ALL TEMPORARY BASINS SHALL BE SEEDED, MULCHED/LINED AND ANCHORED IMMEDIATELY UPON INSTALLATION.
6. INSTALL TEMPORARY DIVERSION DITCHES. SEED AND INSTALL TEMPORARY CHANNEL LININGS IMMEDIATELY FOLLOWING GRADING.
7. CLEAR AND GRUB AREAS ONLY AS REQUIRED FOR INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES.
8. CALL FOR INSPECTION OF INSTALLED DEVICES.
9. IF DEVICES ARE APPROVED, PERFORM DEMOLITION AND CLEARING OPERATIONS.
10. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE PHASE (SEE SHEETS C4.03-C4.06)

11. INSTALL ALL ADDITIONAL PERIMETER SILT FENCE AND TEMPORARY COMPOST SOCKS.
12. TEMPORARY COMPOST SOCKS TO BE REPLACED AT THE END OF EACH WORK DAY SO THAT ANY RUNOFF IS INTERCEPTED BY THE SOCK PRIOR TO ENTERING ANY CONVEYANCE (DITCH/PIPE/INLET).
13. STRIP TOPSOIL, STOCKPILE TOPSOIL WITHIN CONSTRUCTION LIMITS. INSTALL AND MAINTAIN ALL SILT FENCE AROUND TEMPORARY STOCKPILES.
14. BEGIN ROUGH GRADING OPERATIONS.
15. ALL WORK ASSOCIATED WITH STREAM IMPACTS SHALL BE AS APPROVED BY USACE AND NCDWR PERMIT REQUIREMENTS.
16. AT THE END OF EACH DAY, INSTALL AND ADJUST DIVERSION DITCHES TO CONTINUE TO DIRECT RUN-OFF TO TEMPORARY BASINS.
17. INSTALL STORM DRAINAGE SYSTEM IN DRY CONDITIONS AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY.
18. INSTALL TEMPORARILY SEED STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED AT FINISH GRADE.
19. RESPREAD TOPSOIL, AND VEGETATE STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED. STABILIZE ROADSIDE DITCHES AND CHANNELS DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
20. VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES.
21. INSTALL SILT BAG INLET PROTECTION ONCE CURB & GUTTER IS INSTALLED. PROVIDE TEMPORARY SAND BAGS TO DIRECT RUN-OFF INTO INLETS.
22. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
23. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, PUMP SEDIMENT LADEN WATER THROUGH SILT BAGS AND REMOVE REMAINING TEMPORARY SKIMMER SEDIMENT BASINS. SEED AND MULCH SLOPE OF ALL DISTURBED AREAS REMAINING ON SITE.
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26. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVE REMAINING TEMPORARY EROSION CONTROL MEASURES. SEED AND MULCH ANY REMAINING DISTURBED AREAS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE EROSION CONTROL PLAN
AREA 2 - PHASE 1

C4.04

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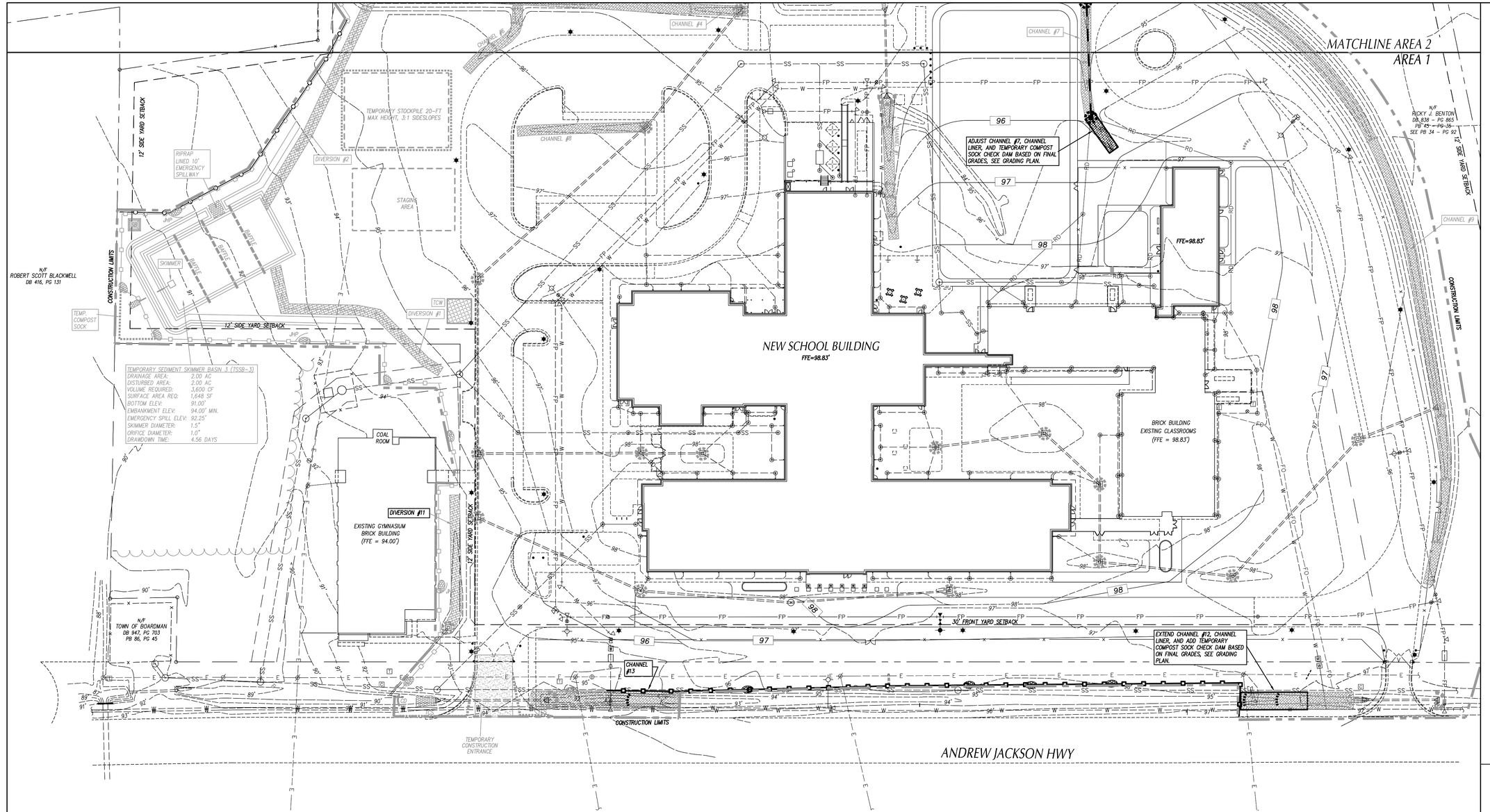

LEGEND

- TEMP. GRAVEL CONSTR. ENTRANCE — SEE DETAIL SHEET C7.01.
- TEMP. INLET PROTECTION — SEE DETAIL SHEET C7.01.
- TEMP. SILT FENCE — SEE DETAIL SHEET C7.01.
- TEMP. REINFORCED SILT FENCE J-HOOK PROTECTION. SEE DETAIL SHEET C7.01.
- PERMANENT OUTLET PROTECTION — SEE DETAIL SHEET C7.02.
- TEMP. CONCRETE WASHOUT AREA — SEE DETAIL SHEET C7.03.
- TEMP. PLASTIC LINING, SEE TEMP. BASIN BAFFLES ON DETAIL SHEET C7.02.
- TEMP. COMPOST SOCK IN CHANNEL — SEE DETAIL SHEET C7.02
- TEMP. SKIMMER SEDIMENT BASIN — SEE DETAIL SHEET C7.02.
- TEMP. REINFORCED SILT FENCE OUTLET — SEE DETAIL SHEET C7.01.
- CHANNEL LINING — SEE DETAIL SHEET C7.02.
- TEMP. DIVERSION DITCH / BERM — SEE DETAIL SHEET C7.02.
- TREE PROTECTION FENCE — SEE DETAIL SHEET C7.01.
- TEMP. COMPOST SOCK — SEE DETAIL SHEET C7.01
- TEMP. DEWATERING SILT BAG — SEE DETAIL SHEET C7.01.
- EXISTING CONTOUR
- FINISHED CONTOUR
- TEMP. CONTOUR (TEMP. GRADES DURING CONSTR.)
- PROPOSED STORM SEWER PIPES
- EXISTING STORM SEWER PIPES
- CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
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- TEMP. ROCK PIPE INLET PROTECTION — SEE DETAIL SHEET C7.01.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
4. TOTAL DISTURBED AREA: 18 AC.
5. ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C7.01.
6. ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
7. THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
8. SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
9. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
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11. ROADSIDE DITCHES AND CHANNELS SHALL BE STABILIZED DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
12. INSTALL TEMPORARY MATTING TO TOP OF ALL SIDE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS.

MAINTENANCE PLAN

1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (SEE DETAIL C7.03) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (BELOW) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
3. THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
4. SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
5. ALL OTHER SEEDED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

SELF-INSPECTION RULES

SEE SHEET C7.04 FOR SELF-INSPECTION REQUIREMENTS.

THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCDEMLR'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ONSITE.

SLOPE & SURFACE STABILIZATION

GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C7.03.

EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION II.B(2) (b))

THE REQUIREMENTS ON SHEET C7.03 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.

INSTALL TEMPORARY EXCELSIOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312500 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

CONSTRUCTION SEQUENCE

INITIAL PHASE (SEE SHEETS C4.01-C4.02)

1. INSTALL TREE PROTECTION FENCING.
2. OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE. NOTIFY EROSION CONTROL AUTHORITIES OF PROPOSED STARTING DATE OF LAND DISTURBING ACTIVITIES.
3. CALL NC DEQ LQS AT 910-796-7215 TO SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ACTIVITIES ON SITE.
4. INSTALL CONSTRUCTION ENTRANCES, TEMPORARY CONCRETE WASHOUTS, PERIMETER SILT FENCES, SILT FENCE OUTLETS, TEMPORARY SEDIMENT TRAP AND TEMPORARY COMPOST SOCKS. ESTABLISH TEMPORARY CONSTRUCTION TRAILERS WITHIN STAGING AREA.
5. INSTALL TEMPORARY SEDIMENT SKIMMER BASINS. INSTALL PLASTIC SLOPE PROTECTION ON SLOPES RECEIVING RUN-OFF AND BAFFLES. ALL TEMPORARY BASINS SHALL BE SEEDED, MULCHED/LINED AND ANCHORED IMMEDIATELY UPON INSTALLATION.
6. INSTALL TEMPORARY DIVERSION DITCHES. SEED AND INSTALL TEMPORARY CHANNEL LININGS IMMEDIATELY FOLLOWING GRADING.
7. CLEAR AND GRUB AREAS ONLY AS REQUIRED FOR INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES.
8. CALL FOR INSPECTION OF INSTALLED DEVICES.
9. IF DEVICES ARE APPROVED, PERFORM DEMOLITION AND CLEARING OPERATIONS.
10. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE PHASE (SEE SHEETS C4.03-C4.06)

11. INSTALL ALL ADDITIONAL PERIMETER SILT FENCE AND TEMPORARY COMPOST SOCKS.
12. TEMPORARY COMPOST SOCKS TO BE REPLACED AT THE END OF EACH WORK DAY SO THAT ANY RUNOFF IS INTERCEPTED BY THE SOCK PRIOR TO ENTERING ANY CONVEYANCE (DITCH/PIPE/INLET).
13. STRIP TOPSOIL, STOCKPILE TOPSOIL WITHIN CONSTRUCTION LIMITS. INSTALL AND MAINTAIN ALL SILT FENCE AROUND TEMPORARY STOCKPILES.
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15. ALL WORK ASSOCIATED WITH STREAM IMPACTS SHALL BE AS APPROVED BY USACE AND NCDWR PERMIT REQUIREMENTS.
16. AT THE END OF EACH DAY, INSTALL AND ADJUST DIVERSION DITCHES TO CONTINUE TO DIRECT RUN-OFF TO TEMPORARY BASINS.
17. INSTALL STORM DRAINAGE SYSTEM IN DRY CONDITIONS AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY.
18. INSTALL TEMPORARILY SEED STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED AT FINISH GRADE.
19. RESPREAD TOPSOIL, AND VEGETATE STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED. STABILIZE ROADSIDE DITCHES AND CHANNELS DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
20. VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES.
21. INSTALL SILT BAG INLET PROTECTION ONCE CURB & GUTTER IS INSTALLED. PROVIDE TEMPORARY SAND BAGS TO DIRECT RUN-OFF INTO INLETS.
22. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
23. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, PUMP SEDIMENT LADEN WATER THROUGH SILT BAGS AND REMOVE REMAINING TEMPORARY SKIMMER SEDIMENT BASINS. SEED AND MULCH SLOPE OF ALL DISTURBED AREAS REMAINING ON SITE.
24. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVED TEMPORARY SKIMMER BASINS AND CONVERT ANY TEMPORARY EROSION CONTROL MEASURES TO FINISHED GRADES (SEE GRADING PLAN C3.01-C3.04). SEED AND MULCH ALL DISTURBED AREAS.
25. REMOVE TEMPORARY CONSTRUCTION ENTRANCES, CONTRACTOR STAGING AREA AND ANY REMAINING TEMPORARY MATERIAL STOCKPILES. SEED AND MULCH ALL DISTURBED AREAS.
26. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVE REMAINING TEMPORARY EROSION CONTROL MEASURES. SEED AND MULCH ANY REMAINING DISTURBED AREAS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING
1-02-2020

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

SITE EROSION CONTROL PLAN
AREA 1 - PHASE 2

C4.05

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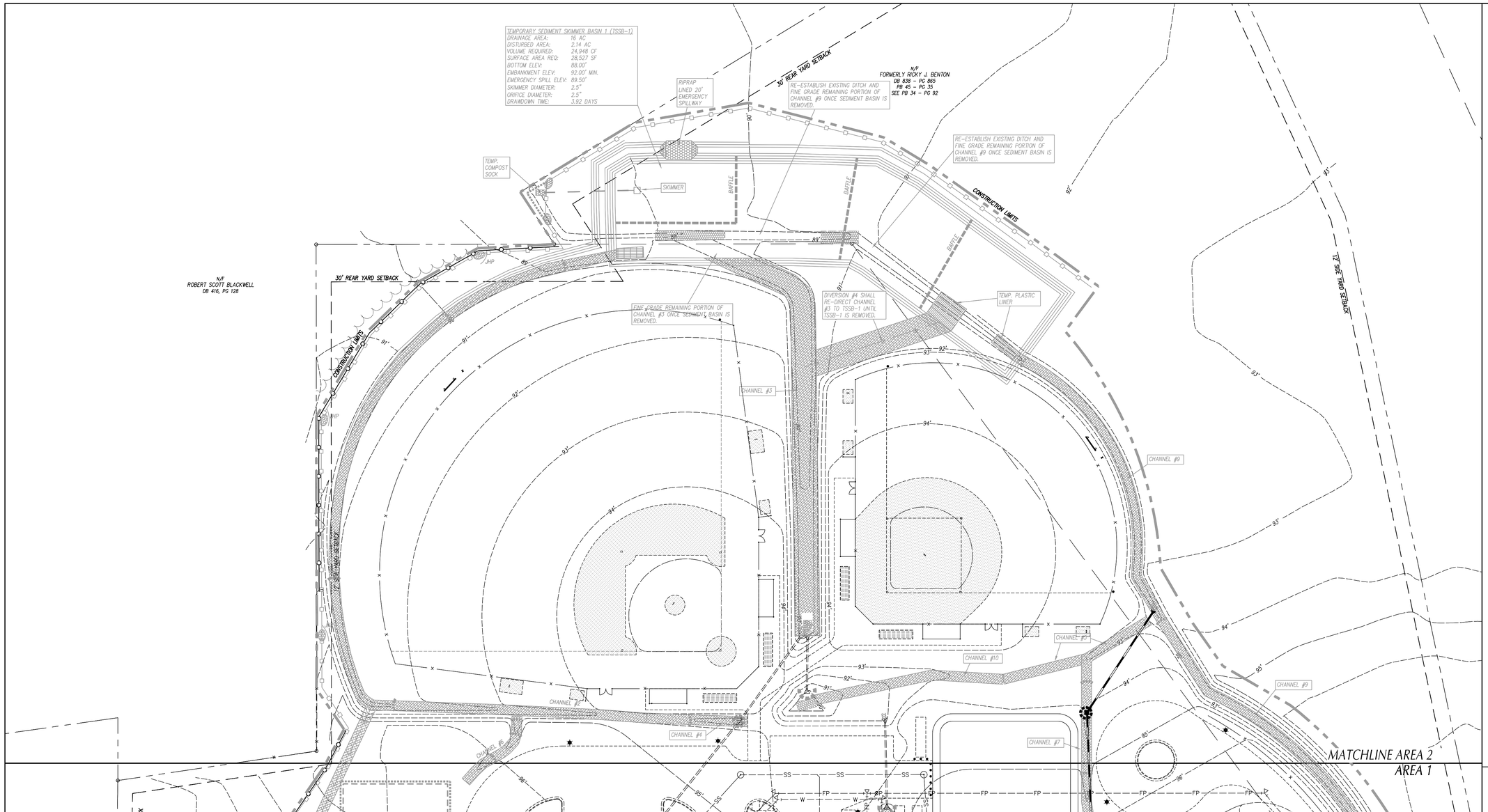

LEGEND

- TEMP. GRAVEL CONSTR. ENTRANCE — SEE DETAIL SHEET C7.01.
- TEMP. INLET PROTECTION — SEE DETAIL SHEET C7.01.
- TEMP. SILT FENCE — SEE DETAIL SHEET C7.01.
- TEMP. REINFORCED SILT FENCE J-HOOK PROTECTION. — SEE DETAIL SHEET C7.01.
- PERMANENT OUTLET PROTECTION — SEE DETAIL SHEET C7.02.
- TEMP. CONCRETE WASHOUT AREA — SEE DETAIL SHEET C7.03.
- TEMP. PLASTIC LINING, SEE TEMP. BASIN BAFFLES ON DETAIL SHEET C7.02.
- TEMP. COMPOST SOCK IN CHANNEL — SEE DETAIL SHEET C7.02
- TEMP. SKIMMER SEDIMENT BASIN — SEE DETAIL SHEET C7.02.
- TEMP. REINFORCED SILT FENCE OUTLET — SEE DETAIL SHEET C7.01.
- CHANNEL LINING — SEE DETAIL SHEET C7.02.
- TEMP. DIVERSION DITCH / BERM — SEE DETAIL SHEET C7.02.
- TREE PROTECTION FENCE — SEE DETAIL SHEET C7.01.
- TEMP. COMPOST SOCK — SEE DETAIL SHEET C7.01
- TEMP. DEWATERING SILT BAG — SEE DETAIL SHEET C7.01.
- EXISTING CONTOUR
- FINISHED CONTOUR
- TEMP. CONTOUR (TEMP. GRADES DURING CONSTR.)
- PROPOSED STORM SEWER PIPES
- EXISTING STORM SEWER PIPES
- CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
- TEMP. CHECK DAM — SEE DETAIL SHEET C7.03.
- TEMP. ROCK PIPE INLET PROTECTION — SEE DETAIL SHEET C7.01.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
4. TOTAL DISTURBED AREA: 18 AC.
5. ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C7.01.
6. ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
7. THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
8. SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
9. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
10. TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA, SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.
11. ROADSIDE DITCHES AND CHANNELS SHALL BE STABILIZED DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
12. INSTALL TEMPORARY MATTING TO TOP OF ALL SIDE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS.

MAINTENANCE PLAN

1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (SEE DETAIL C7.03) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (BELOW) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
3. THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
4. SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
5. ALL OTHER SEEDED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

SELF-INSPECTION RULES

SEE SHEET C7.04 FOR SELF-INSPECTION REQUIREMENTS.

THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCDEMLR'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ONSITE.

SLOPE & SURFACE STABILIZATION

GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C7.03.

EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION II.B(2) (b))

THE REQUIREMENTS ON SHEET C7.03 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.

INSTALL TEMPORARY EXCELSIOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312500 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

CONSTRUCTION SEQUENCE

INITIAL PHASE (SEE SHEETS C4.01-C4.02)

1. INSTALL TREE PROTECTION FENCING.
2. OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE. NOTIFY EROSION CONTROL AUTHORITIES OF PROPOSED STARTING DATE OF LAND DISTURBING ACTIVITIES.
3. CALL NC DEQ LQS AT 910-796-7215 TO SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ACTIVITIES ON SITE.
4. INSTALL CONSTRUCTION ENTRANCES, TEMPORARY CONCRETE WASHOUTS, PERIMETER SILT FENCES, SILT FENCE OUTLETS, TEMPORARY SEDIMENT TRAP AND TEMPORARY COMPOST SOCKS. ESTABLISH TEMPORARY CONSTRUCTION TRAILERS WITHIN STAGING AREA.
5. INSTALL TEMPORARY SEDIMENT SKIMMER BASINS. INSTALL PLASTIC SLOPE PROTECTION ON SLOPES RECEIVING RUN-OFF AND BAFFLES. ALL TEMPORARY BASINS SHALL BE SEEDED, MULCHED/LINED AND ANCHORED IMMEDIATELY UPON INSTALLATION.
6. INSTALL TEMPORARY DIVERSION DITCHES. SEED AND INSTALL TEMPORARY CHANNEL LININGS IMMEDIATELY FOLLOWING GRADING.
7. CLEAR AND GRUB AREAS ONLY AS REQUIRED FOR INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES.
8. CALL FOR INSPECTION OF INSTALLED DEVICES.
9. IF DEVICES ARE APPROVED, PERFORM DEMOLITION AND CLEARING OPERATIONS.
10. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE PHASE (SEE SHEETS C4.03-C4.06)

11. INSTALL ALL ADDITIONAL PERIMETER SILT FENCE AND TEMPORARY COMPOST SOCKS.
12. TEMPORARY COMPOST SOCKS TO BE REPLACED AT THE END OF EACH WORK DAY SO THAT ANY RUNOFF IS INTERCEPTED BY THE SOCK PRIOR TO ENTERING ANY CONVEYANCE (DITCH/PIPE/INLET).
13. STRIP TOPSOIL, STOCKPILE TOPSOIL WITHIN CONSTRUCTION LIMITS. INSTALL AND MAINTAIN ALL SILT FENCE AROUND TEMPORARY STOCKPILES.
14. BEGIN ROUGH GRADING OPERATIONS.
15. ALL WORK ASSOCIATED WITH STREAM IMPACTS SHALL BE AS APPROVED BY USACE AND NCDWR PERMIT REQUIREMENTS.
16. AT THE END OF EACH DAY, INSTALL AND ADJUST DIVERSION DITCHES TO CONTINUE TO DIRECT RUN-OFF TO TEMPORARY BASINS.
17. INSTALL STORM DRAINAGE SYSTEM IN DRY CONDITIONS AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY.
18. INSTALL TEMPORARILY SEED STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED AT FINISH GRADE.
19. RESPREAD TOPSOIL, AND VEGETATE STEEP SLOPES (GREATER THAN 6H:1V) AS THEY ARE ESTABLISHED. STABILIZE ROADSIDE DITCHES AND CHANNELS DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
20. VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES.
21. INSTALL SILT BAG INLET PROTECTION ONCE CURB & GUTTER IS INSTALLED. PROVIDE TEMPORARY SAND BAGS TO DIRECT RUN-OFF INTO INLETS.
22. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
23. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, PUMP SEDIMENT LADEN WATER THROUGH SILT BAGS AND REMOVE REMAINING TEMPORARY SKIMMER SEDIMENT BASINS. SEED AND MULCH SLOPE OF ALL DISTURBED AREAS REMAINING ON SITE.
24. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVED TEMPORARY SKIMMER BASINS AND CONVERT ANY TEMPORARY EROSION CONTROL MEASURES TO FINISHED GRADES (SEE GRADING PLAN C3.01-C3.04). SEED AND MULCH ALL DISTURBED AREAS.
25. REMOVE TEMPORARY CONSTRUCTION ENTRANCES, CONTRACTOR STAGING AREA AND ANY REMAINING TEMPORARY MATERIAL STOCKPILES. SEED AND MULCH ALL DISTURBED AREAS.
26. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVE REMAINING TEMPORARY EROSION CONTROL MEASURES. SEED AND MULCH ANY REMAINING DISTURBED AREAS.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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LA: C-106
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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
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18-144

BID AND CONSTRUCTION

SITE EROSION CONTROL PLAN
AREA 2 - PHASE 2

C4.06

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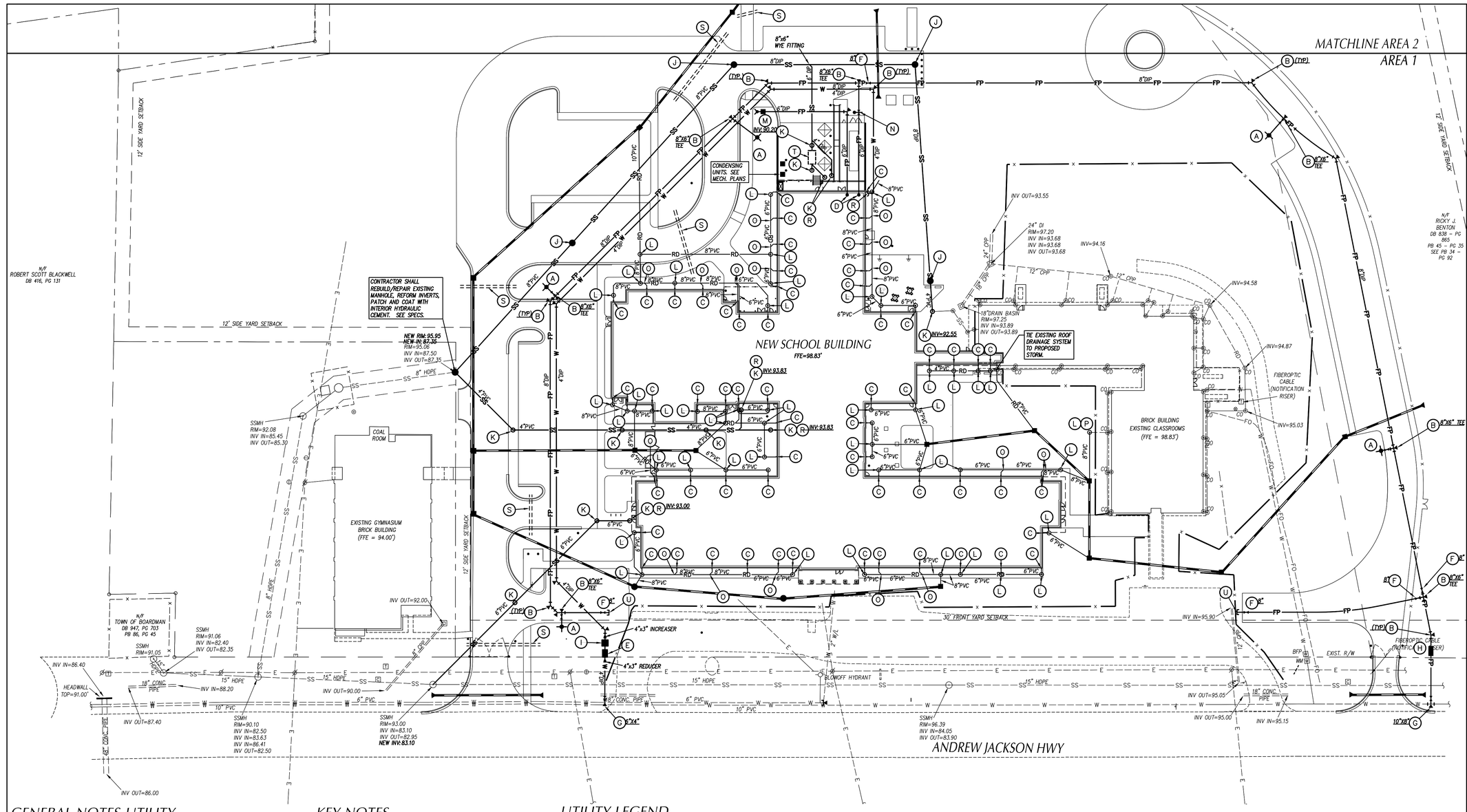

GENERAL NOTES-UTILITY

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. INSTALL WATERMAINS WITH A COVER OF NO LESS THAN 3-FT.
3. INSTALL SEWER MAINS WITH A COVER OF NO LESS THAN 3-FT TO FINISH GRADE IN NON-TRAFFIC AREAS, 4-FT TO FINISH GRADE IN TRAFFIC AREAS..
4. INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
5. WATERLINES AND SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL CLEARANCE OF 10-FT.
6. SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM VERTICAL CLEARANCE OF 24-IN TO STORM DRAINAGE PIPES.
7. COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH OTHER PRIME CONTRACTORS, UTILITY COMPANIES AND OTHER TRADES INCLUDING BUT NOT LIMITED TO: NATURAL GAS, ELECTRICITY, TELEPHONE AND CATV.
8. VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED.
9. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
10. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE NCSBC AND OSHA REQUIREMENTS.
11. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF ALL UTILITY AND STORM DRAINAGE IMPROVEMENTS FOLLOWING CONSTRUCTION.
12. CONTRACTOR SHALL PHASE DEMOLITION AND NEW CONSTRUCTION TO ENSURE UNINTERRUPTED ACCESS AND UTILITY SERVICE TO ADJACENT FACILITIES. COORDINATE SHORT-TERM, OFF-HOUR, TEMPORARY SHUT- DOWNS WITH THE OWNER.
13. SEE GENERAL NOTES ON EXISTING CONDITIONS AND DEMOLITION PLAN FOR REQUIREMENTS FOR REMOVAL AND PATCHING OF PAVEMENT FOR UTILITY INSTALLATION.
14. ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN.
15. ALL SANITARY SEWER SERVICES SHALL BE 4" PVC (SCH 40) @1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN.
16. ALL CONDENSATE LINES SHALL BE CONNECTED TO STORM DRAINAGE SYSTEM.
17. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.

KEY NOTES

- (A) FIRE HYDRANT ASSEMBLY, SEE DETAIL SHEET C7.06.
- (B) THRUST BLOCKING, TYP, SEE DETAIL SHEET C7.06.
- (C) DOWNSPOUT CONNECTION, SEE DETAIL SHEET C7.06.
- (D) EXTEND WATER MAIN TO 12-IN ABOVE FINISH FLOOR FOR FIRE PROTECTION/PLUMBING CONNECTION, SEE DETAIL SHEET C7.06. REFER TO FIRE PROTECTION/PLUMBING PLANS FOR EXACT LOCATION.
- (E) 3" DOMESTIC WATER METER, SEE DETAIL SHEET C7.06.
- (F) GATE VALVE AND VALVE BOX, SEE DETAIL SHEET C7.06.
- (G) TAPPING SLEEVE, VALVE AND BLOCKING ASSEMBLY SEE SPECIFICATIONS.
- (H) 8-IN FEBCO MODEL LF886V REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) WITHIN HEATED ENCLOSURE WITH FDC, SEE DETAIL SHEET C7.08. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (I) 3-IN FEBCO MODEL LF880V REDUCED PRESSURE ASSEMBLY (RPA) WITHIN HEATED ENCLOSURE, SEE DETAIL SHEET C7.06. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (J) SANITARY SEWER MANHOLE, SEE DETAIL SHEET C7.07.
- (K) SANITARY SEWER CLEANOUT, TYP. SEE DETAIL SHEET C7.07.
- (L) ROOFDRAIN CLEANOUT, SEE DETAIL SHEET C7.06.
- (M) FIRE DEPARTMENT CONNECTION, SEE DETAIL SHEET C7.09.
- (N) POST INDICATOR VALVE, SEE SPECIFICATIONS.
- (O) WYE FITTING TYP., CONNECT TO ROOF DRAIN, SEE PLUMBING PLANS FOR LOCATION AND INVERT.
- (P) CONNECT ROOF DRAIN TO EXISTING ROOF DRAIN CLEANOUT.
- (Q) SITE LIGHT POLE BY DUKE ENERGY (APPROXIMATE LOCATION). COORDINATE INSTALLATION & SCHEDULE WITH DUKE ENERGY.
- (R) EXTEND UTILITY TO WITHIN 5'-0" OF BUILDING WALL OR AS INDICATED ON PLUMBING PLANS. REFER TO PLUMBING PLANS FOR LOCATION AND INVERTS.
- (S) 2-CONDUITS. 24-INCH MINIMUM COVER. CAP 2'-0" OUTSIDE BACK OF CURB/EDGE OF PAVEMENT. CONTRACTOR SHALL COORDINATE SIZE, MATERIAL AND FINAL LOCATIONS WITH UTILITY COMPANIES AND OTHER TRADES.
- (T) GREASE INTERCEPTOR, SEE PLUMBING PLANS FOR SIZING AND DETAILS.
- (U) TEMPORARY MJ PLUG AND BLOCKING. INSTALL 8" WATERLINE IN PHASE 2. CLOSE GV UNTIL FIRE LOOP IS COMPLETED IN PHASE 2.

UTILITY LEGEND

	EXISTING	PROPOSED
CHILLED WATER	CW	CW
ELECTRICAL (OVERHEAD)	E	E
ELECTRICAL (UNDERGROUND)	UE	UE
FOUNDATION DRAIN	FD	FD
GAS	G	G
SANITARY SEWER	SS	SS
TELEPHONE (OVERHEAD)	T	T
TELEPHONE (UNDERGROUND)	UT	UT
WATER	W	W
ROOF DRAIN	RD	RD
FIRE PROTECTION	FP	FP
STORM DRAIN		
TREE PROTECTION FENCING, SEE EROSION CONTROL PLANS		
LIGHT POLE	LP	
UTILITY POLE	PP	
MANHOLE	MH	
CLEAN OUT	CO	
DROP INLET,CATCH BASIN	DI, CB	
FIRE HYDRANT	FH	
WATER VALVE	WV	
POST INDICATOR VALVE (PIV)		
FIRE DEPARTMENT CONNECTION (FDC)		
THRUST BLOCKING		
SANITARY SEWER STRUCTURE IDENTIFICATION		1

LIGHTPOLES SHALL BE INSTALLED IN PHASE 2.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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02 MARCH, 2020

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18-144

BID AND CONSTRUCTION

SITE UTILITY PLAN
AREA 1 - PHASE 1

C5.01

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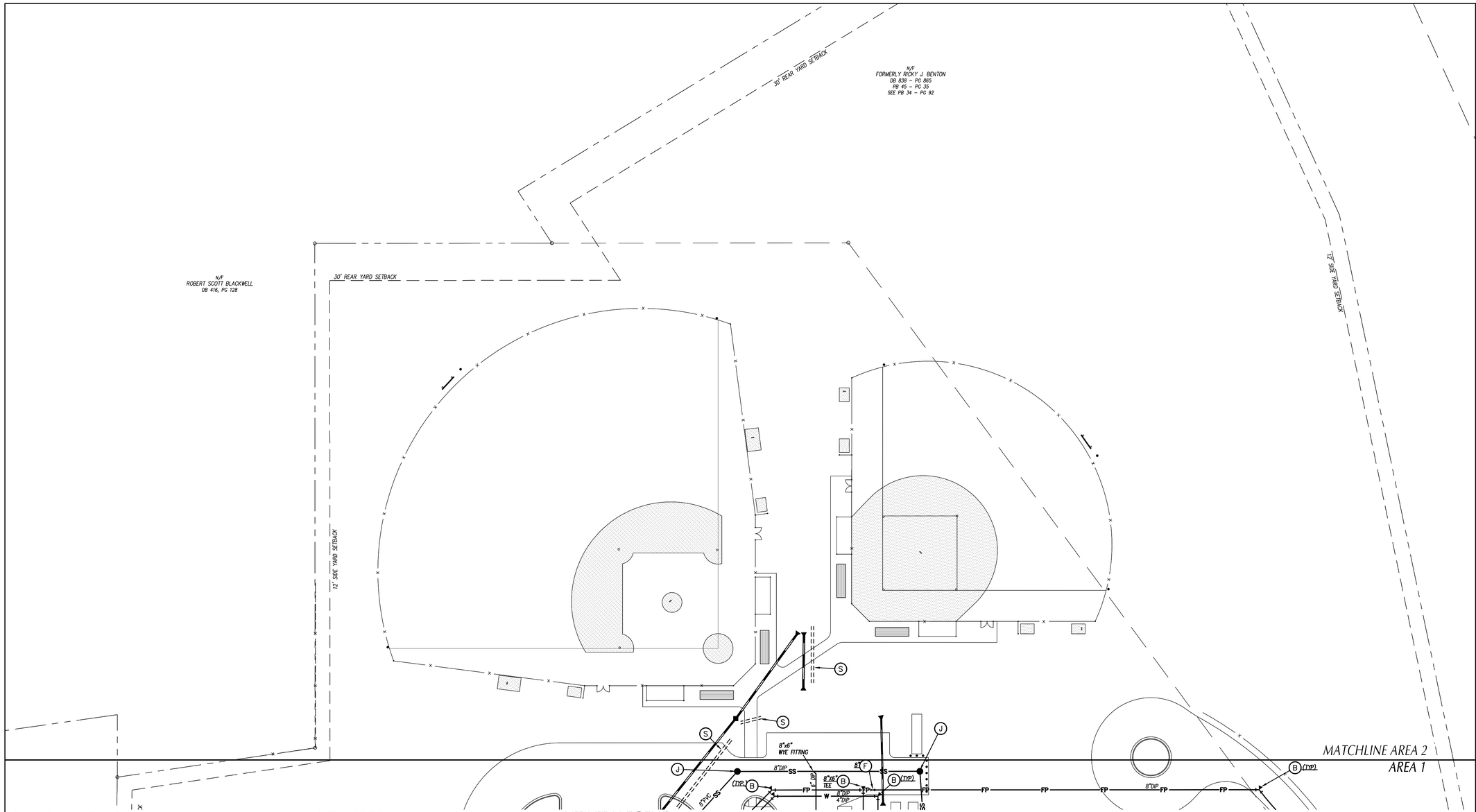

GENERAL NOTES-UTILITY

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2. INSTALL WATERMAINS WITH A COVER OF NO LESS THAN 3-FT.
3. INSTALL SEWER MAINS WITH A COVER OF NO LESS THAN 3-FT TO FINISH GRADE IN NON-TRAFFIC AREAS, 4-FT TO FINISH GRADE IN TRAFFIC AREAS.
4. INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
5. WATERLINES AND SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL CLEARANCE OF 10-FT.
6. SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM VERTICAL CLEARANCE OF 24-IN TO STORM DRAINAGE PIPES.
7. COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH OTHER PRIME CONTRACTORS, UTILITY COMPANIES AND OTHER TRADES INCLUDING BUT NOT LIMITED TO: NATURAL GAS, ELECTRICITY, TELEPHONE AND CATV.
8. VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED.
9. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
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12. CONTRACTOR SHALL PHASE DEMOLITION AND NEW CONSTRUCTION TO ENSURE UNINTERRUPTED ACCESS AND UTILITY SERVICE TO ADJACENT FACILITIES. COORDINATE SHORT-TERM, OFF-HOUR, TEMPORARY SHUT- DOWNS WITH THE OWNER.
13. SEE GENERAL NOTES ON EXISTING CONDITIONS AND DEMOLITION PLAN FOR REQUIREMENTS FOR REMOVAL AND PATCHING OF PAVEMENT FOR UTILITY INSTALLATION.
14. ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN.
15. ALL SANITARY SEWER SERVICES SHALL BE 4" PVC (SCH 40) @1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN.
16. ALL CONDENSATE LINES SHALL BE CONNECTED TO STORM DRAINAGE SYSTEM.
17. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.

KEY NOTES

- (A) FIRE HYDRANT ASSEMBLY, SEE DETAIL SHEET C7.06.
- (B) THRUST BLOCKING, TYP, SEE DETAIL SHEET C7.06.
- (C) DOWNSPOUT CONNECTION, SEE DETAIL SHEET C7.06.
- (D) EXTEND WATER MAIN TO 12-IN ABOVE FINISH FLOOR FOR FIRE PROTECTION/PLUMBING CONNECTION, SEE DETAIL SHEET C7.06. REFER TO FIRE PROTECTION/PLUMBING PLANS FOR EXACT LOCATION.
- (E) 3" DOMESTIC WATER METER, SEE DETAIL SHEET C7.06.
- (F) GATE VALVE AND VALVE BOX, SEE DETAIL SHEET C7.06.
- (G) TAPPING SLEEVE, VALVE AND BLOCKING ASSEMBLY SEE SPECIFICATIONS.
- (H) 8-IN FEBCO MODEL LF886V REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) WITHIN HEATED ENCLOSURE WITH FDC, SEE DETAIL SHEET C7.08. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (I) 3-IN FEBCO MODEL LF880V REDUCED PRESSURE ASSEMBLY (RPA) WITHIN HEATED ENCLOSURE, SEE DETAIL SHEET C7.06. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (J) SANITARY SEWER MANHOLE, SEE DETAIL SHEET C7.07.
- (K) SANITARY SEWER CLEANOUT, TYP. SEE DETAIL SHEET C7.07.
- (L) ROOFDRAIN CLEANOUT, SEE DETAIL SHEET C7.06.
- (M) FIRE DEPARTMENT CONNECTION, SEE DETAIL SHEET C7.09.
- (N) POST INDICATOR VALVE, SEE SPECIFICATIONS.
- (O) WYE FITTING TYP., CONNECT TO ROOF DRAIN, SEE PLUMBING PLANS FOR LOCATION AND INVERT.
- (P) CONNECT ROOF DRAIN TO EXISTING ROOF DRAIN CLEANOUT.
- (Q) SITE LIGHT POLE BY DUKE ENERGY (APPROXIMATE LOCATION). COORDINATE INSTALLATION & SCHEDULE WITH DUKE ENERGY.
- (R) EXTEND UTILITY TO WITHIN 5'-0" OF BUILDING WALL OR AS INDICATED ON PLUMBING PLANS. REFER TO PLUMBING PLANS FOR LOCATION AND INVERTS.
- (S) 2-CONDUITS. 24-INCH MINIMUM COVER. CAP 2'-0" OUTSIDE BACK OF CURB/EDGE OF PAVEMENT. CONTRACTOR SHALL COORDINATE SIZE, MATERIAL AND FINAL LOCATIONS WITH UTILITY COMPANIES AND OTHER TRADES.
- (T) GREASE INTERCEPTOR, SEE PLUMBING PLANS FOR SIZING AND DETAILS.
- (U) TEMPORARY MJ PLUG AND BLOCKING. INSTALL 8" WATERLINE IN PHASE 2. CLOSE GV UNTIL FIRE LOOP IS COMPLETED IN PHASE 2.

UTILITY LEGEND

	EXISTING	PROPOSED
CHILLED WATER	------CW------	CW
ELECTRICAL (OVERHEAD)	------ E ------	E
ELECTRICAL (UNDERGROUND)	------UE------	UE
FOUNDATION DRAIN	------FD------	FD
GAS	------ G ------	G
SANITARY SEWER	------SS------	SS
TELEPHONE (OVERHEAD)	------ T ------	T
TELEPHONE (UNDERGROUND)	------UT------	UT
WATER	------ W ------	W
ROOF DRAIN	------RD------	RD
FIRE PROTECTION	------FP------	FP
STORM DRAIN	==========	
TREE PROTECTION FENCING, SEE EROSION CONTROL PLANS		
LIGHT POLE	LP	
UTILITY POLE	PP	
MANHOLE	MH	
CLEAN OUT	CO	
DROP INLET,CATCH BASIN	DI, CB	
FIRE HYDRANT	FH	
WATER VALVE	WV	
POST INDICATOR VALVE (PIV)		
FIRE DEPARTMENT CONNECTION (FDC)		
THRUST BLOCKING		
SANITARY SEWER STRUCTURE IDENTIFICATION		1

LIGHTPOLES SHALL BE INSTALLED IN PHASE 2.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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LA: C-106
PE: C-1595

NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING
1-02-2020

02 MARCH, 2020

NO.	DATE	DESCRIPTION
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18-144

BID AND CONSTRUCTION

SITE UTILITY PLAN AREA 2 - PHASE 1

C5.02

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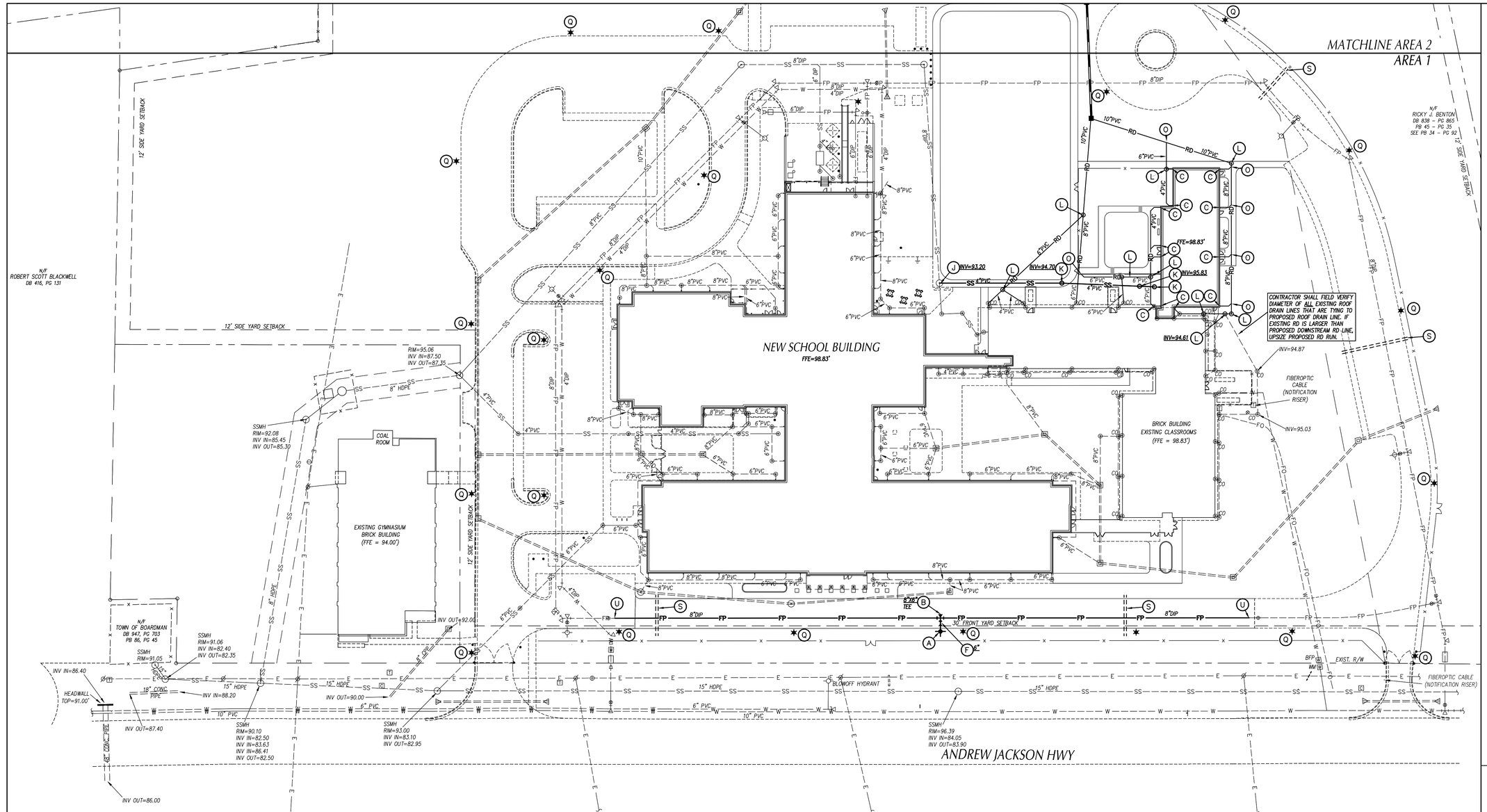

GENERAL NOTES-UTILITY

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CERRO GORDO AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. INSTALL WATERMAINS WITH A COVER OF NO LESS THAN 3-FT.
3. INSTALL SEWER MAINS WITH A COVER OF NO LESS THAN 3-FT TO FINISH GRADE IN NON-TRAFFIC AREAS, 4-FT TO FINISH GRADE IN TRAFFIC AREAS.
4. INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
5. WATERLINES AND SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL CLEARANCE OF 10-FT.
6. SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM VERTICAL CLEARANCE OF 24-IN TO STORM DRAINAGE PIPES.
7. COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH OTHER PRIME CONTRACTORS, UTILITY COMPANIES AND OTHER TRADES INCLUDING BUT NOT LIMITED TO: NATURAL GAS, ELECTRICITY, TELEPHONE AND CATV.
8. VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED.
9. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
10. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE NCSBC AND OSHA REQUIREMENTS.
11. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF ALL UTILITY AND STORM DRAINAGE IMPROVEMENTS FOLLOWING CONSTRUCTION.
12. CONTRACTOR SHALL PHASE DEMOLITION AND NEW CONSTRUCTION TO ENSURE UNINTERRUPTED ACCESS AND UTILITY SERVICE TO ADJACENT FACILITIES. COORDINATE SHORT-TERM, OFF-HOUR, TEMPORARY SHUT- DOWNS WITH THE OWNER.
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KEY NOTES

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- (B) THRUST BLOCKING, TYP, SEE DETAIL SHEET C7.06.
- (C) DOWNSPOUT CONNECTION, SEE DETAIL SHEET C7.06.
- (D) EXTEND WATER MAIN TO 12-IN ABOVE FINISH FLOOR FOR FIRE PROTECTION/PLUMBING CONNECTION, SEE DETAIL SHEET C7.06. REFER TO FIRE PROTECTION/PLUMBING PLANS FOR EXACT LOCATION.
- (E) 3" DOMESTIC WATER METER, SEE DETAIL SHEET C7.06.
- (F) GATE VALVE AND VALVE BOX, SEE DETAIL SHEET C7.06.
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UTILITY LEGEND

	EXISTING	PROPOSED
CHILLED WATER	CW	CW
ELECTRICAL (OVERHEAD)	E	E
ELECTRICAL (UNDERGROUND)	UE	UE
FOUNDATION DRAIN	FD	FD
GAS	G	G
SANITARY SEWER	SS	SS
TELEPHONE (OVERHEAD)	T	T
TELEPHONE (UNDERGROUND)	UT	UT
WATER	W	W
ROOF DRAIN	RD	RD
FIRE PROTECTION	FP	FP
STORM DRAIN		
TREE PROTECTION FENCING, SEE EROSION CONTROL PLANS		
LIGHT POLE	LP	
UTILITY POLE	PP	
MANHOLE	MH	
CLEAN OUT	CO	
DROP INLET,CATCH BASIN	DI, CB	
FIRE HYDRANT	FH	
WATER VALVE	WV	
POST INDICATOR VALVE (PIV)		
FIRE DEPARTMENT CONNECTION (FDC)		
THRUST BLOCKING		
SANITARY SEWER STRUCTURE IDENTIFICATION		1

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

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COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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LA: C-106
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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING
3-02-2020

02 MARCH, 2020

NO.	DATE	DESCRIPTION
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18-144

BID AND CONSTRUCTION

SITE UTILITY PLAN
AREA 1 - PHASE 2

C5.03

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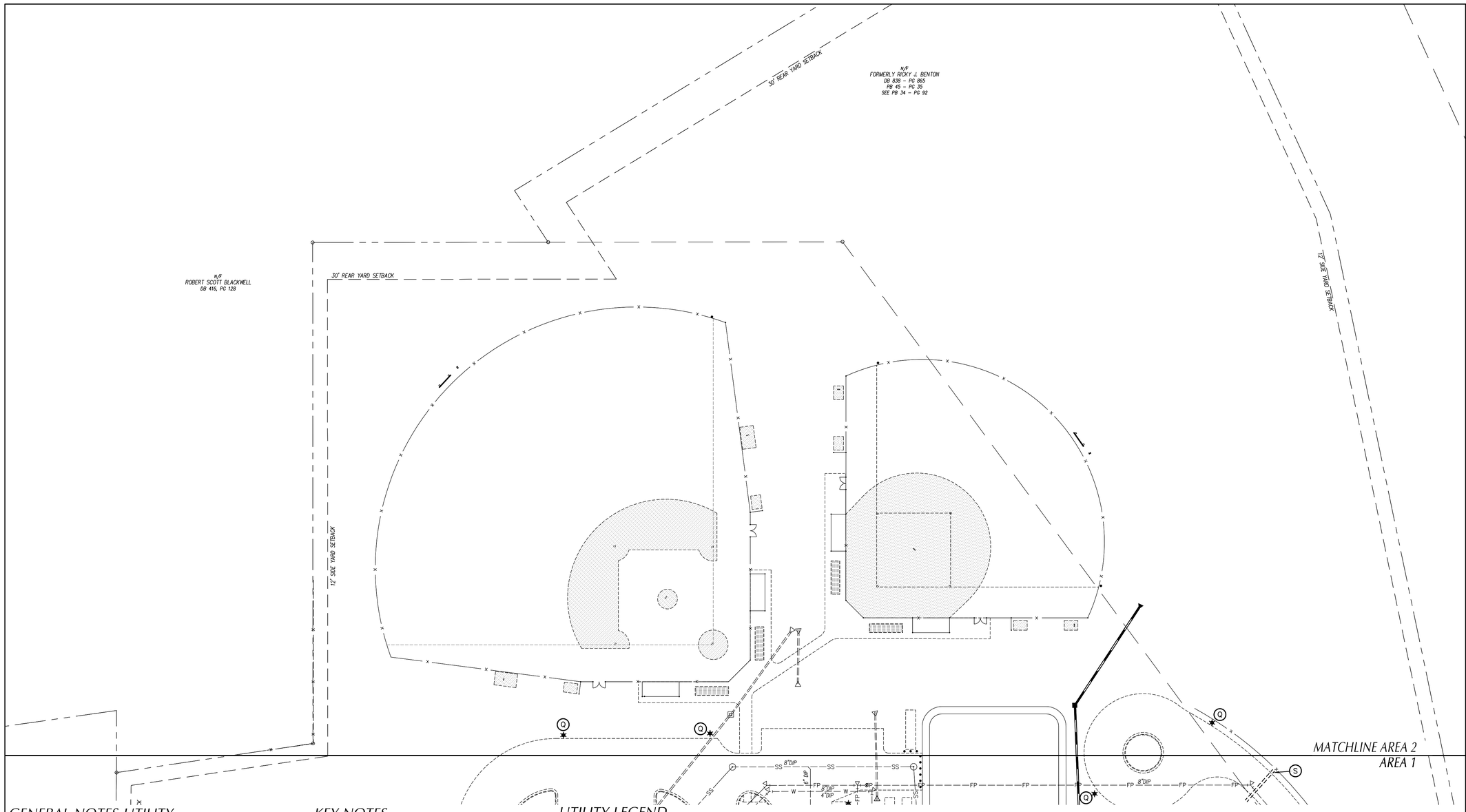

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UTILITY LEGEND

	EXISTING	PROPOSED
CHILLED WATER	------CW------	CW
ELECTRICAL (OVERHEAD)	------ E ------	E
ELECTRICAL (UNDERGROUND)	------UE------	UE
FOUNDATION DRAIN	------FD------	FD
GAS	------ G ------	G
SANITARY SEWER	------SS------	SS
TELEPHONE (OVERHEAD)	------ T ------	T
TELEPHONE (UNDERGROUND)	------UT------	UT
WATER	------ W ------	W
ROOF DRAIN	------RD------	RD
FIRE PROTECTION	------FP------	FP
STORM DRAIN	========	
TREE PROTECTION FENCING, SEE EROSION CONTROL PLANS		
LIGHT POLE	LP	
UTILITY POLE	PP	
MANHOLE	MH	
CLEAN OUT	CO	
DROP INLET,CATCH BASIN	DI, CB	
FIRE HYDRANT	FH	
WATER VALVE	WV	
POST INDICATOR VALVE (PIV)		
FIRE DEPARTMENT CONNECTION (FDC)		
THRUST BLOCKING		
SANITARY SEWER STRUCTURE IDENTIFICATION		1

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING
3-02-2020

02.MARCH, 2020

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18-144

BID AND CONSTRUCTION

SITE UTILITY PLAN
AREA 2 - PHASE 2
C5.04

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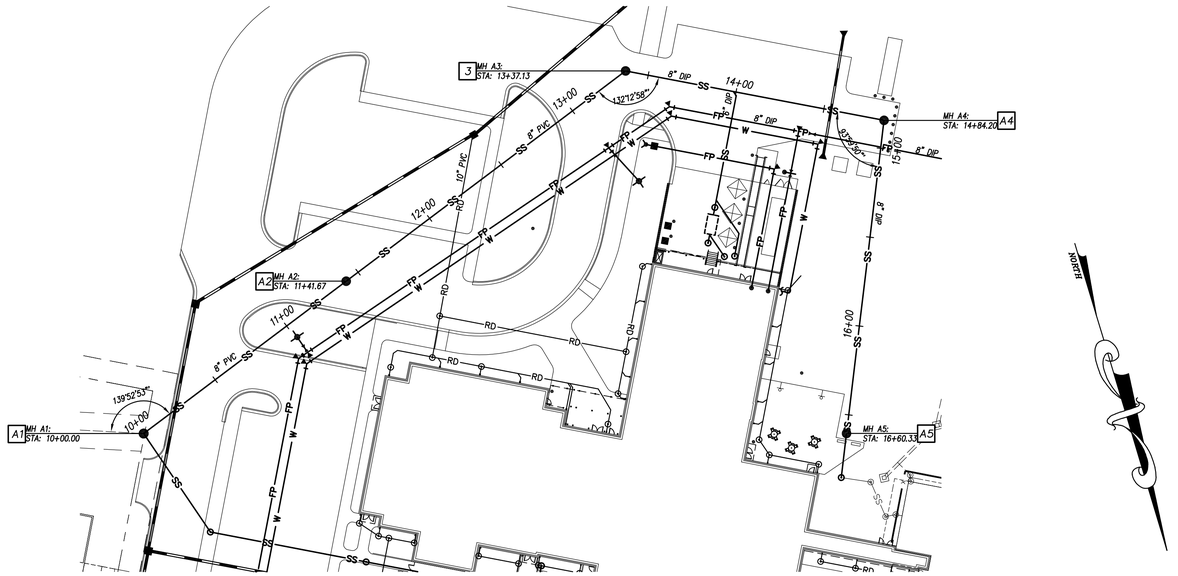

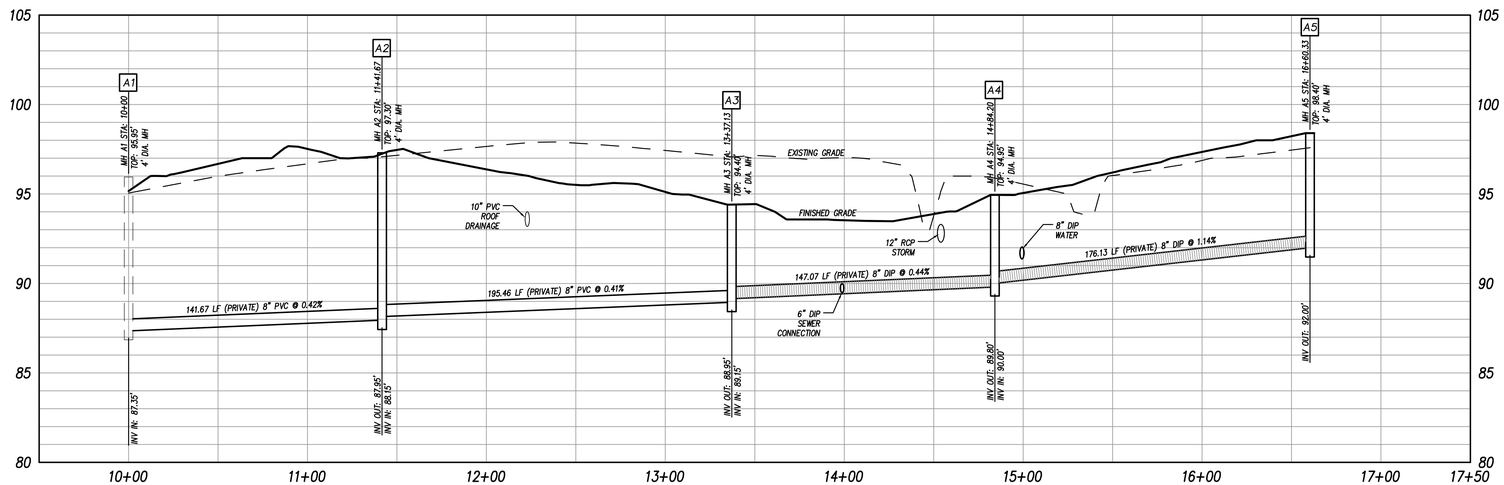

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.
HORIZONTAL: 1"=40'
VERTICAL: 1"=4'

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3-02-2020

02 MARCH, 2020

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BID AND CONSTRUCTION

SEWER PLAN & PROFILE
C5.05

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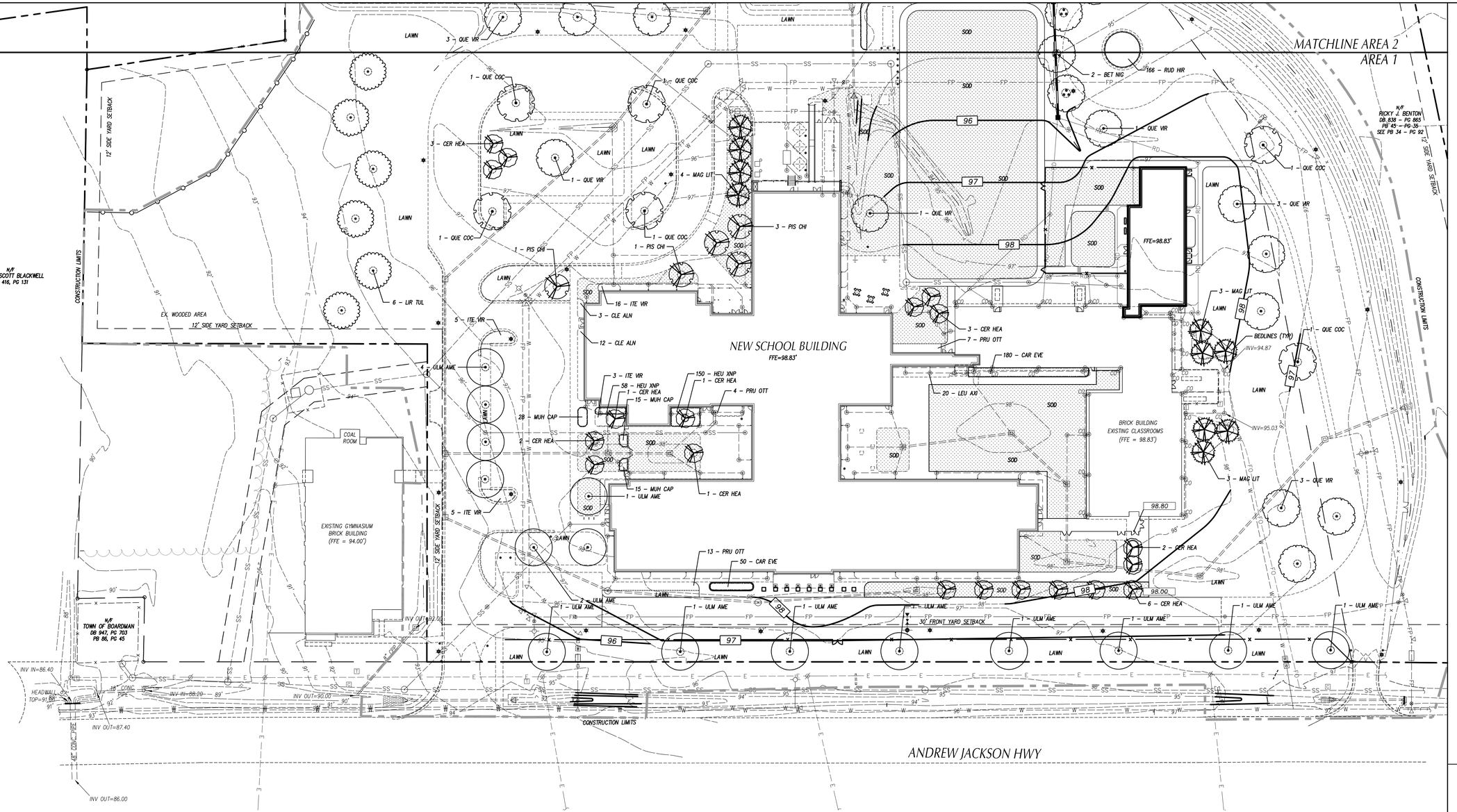

GENERAL NOTES-LANDSCAPING

1. LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLAN.
2. VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
3. ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE WRITTEN SPECIFICATIONS.
4. ALL PLANT MATERIAL (SHRUBS/TREES) SHALL BE A MINIMUM DISTANCE OF 4 1/2 FEET FROM BACK OF CURB, EXCEPT ALONG ANY NEW WALLS ADJACENT TO PARKING WHERE CURB STOPS WILL BE USED.
5. ALL PLANT GROUPINGS WITHIN TURF AREAS SHALL BE MULCHED AS ONE BED. 3" OF DYED BROWN DOUBLE SHREDDED HARDWOOD MULCH SHALL BE USED AROUND ALL PLANTINGS WITH THE EXCEPTION OF PLANTINGS IMMEDIATELY ADJACENT TO THE BUILDING.
6. ALL PLANTING AREAS IMMEDIATELY ADJACENT TO THE BUILDING SHALL BE MULCHED WITH 3" OF PEA GRAVEL. LANDSCAPE ARCHITECT TO APPROVE SAMPLE PRIOR TO INSTALLATION.
7. APPLY PRE-EMERGENT HERBICIDE TO ALL NEW PLANTING BEDS AT MANUFACTURER'S RECOMMENDED RATE PRIOR TO INSTALLATION OF MULCH.
8. ESTABLISH POSITIVE DRAINAGE IN ALL PLANTING BEDS AND AWAY FROM BUILDINGS.
9. DO NOT INSTALL PLANT MATERIAL IN IMPERVIOUS SOILS. (i.e. HOLES WHICH , WHEN FILLED WITH WATER, DO NOT COMPLETELY DRAIN WITHIN TWO HOURS.) SEE SPECIFICATIONS FOR TOPSOIL REQUIREMENTS.
10. LAWN AREAS SHALL BE SEEDED WITH RIVIERA OR SUNSTAR BERMUDA GRASS 95% COVERAGE (BASED ON A PER SQUARE YARD SAMPLE) SHALL BE ATTAINED PRIOR TO FINAL INSPECTION. SEE DETAIL SHEET FOR RATES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11. CONTACT THE LANDSCAPE ARCHITECT FOR INSPECTION 48 HOURS IN ADVANCE OF THE SCHEDULED SITE VISIT AND AT THE FOLLOWING INTERVALS:
    - 11.1. REVIEW OF GRADING PRIOR TO PLANT AND LAWN INSTALLATION
    - 11.2. REVIEW OF PLANT MATERIAL PRIOR TO INSTALLATION.
    - 11.3. ONE SUBSTANTIAL COMPLETION MEETING FOR PLANT INSTALLATION.
    - 11.4. ONE FINAL INSPECTION FOR ALL SEEDING/PLANTING OPERATIONS.
12. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION PRIOR TO THE CERTIFICATE OF OCCUPANCY (CO) IS SCHEDULED. THE FENCING SHALL BE REMOVED PRIOR TO FINAL SITE INSPECTION FOR THE CO.
13. LANDSCAPE SUB-CONTRACTOR (UNDER GC CONTRACT) SHALL BE RESPONSIBLE FOR WATERING ALL PLANTS AND LAWN AREAS AT HIS COST FROM HIS OWN WATER SOURCE INCLUDING DURING PERIODS OF DROUGHT UNTIL THE PLANTS AND LAWN MEET FINAL COMPLETION. PLANT MATERIALS OR AREAS OF GRASS WHICH PERISH SHALL BE RE-ESTABLISHED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
14. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL EQUIPMENT & SUBCONTRACTORS AWAY FROM SEEDED AREAS. IF DAMAGE OCCURS, THROUGH NO FAULT OF THE OWNER, AREAS SHALL BE REGRADED AND RESEEDED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL WATER AND MAINTAIN THOSE AREAS UNTIL THEY ARE AT 95% COVERAGE AT FINAL COMPLETION.
15. SUBSTITUTIONS OF PLANT MATERIAL SHALL ONLY BE ACCEPTED 60 DAYS PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS. SUBSTITUTION REQUESTS MUST BE IN WRITING AND WILL ONLY BE ACCEPTED FOR LACK OF AVAILABILITY REASONS WHICH CAN BE SUBSTANTIATED OR FOR SUPERIOR STOCK SUBSTITUTIONS.
16. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT TO REVIEW GRADING ONE WEEK PRIOR TO SEEDING, IF THE LANDSCAPE CONTRACTOR AND LANDSCAPE ARCHITECT FIND THE GRADING UNACCEPTABLE FOR FINAL SEEDING, LANDSCAPE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE GENERAL CONTRACTOR. LANDSCAPE CONTRACTOR SHALL NOT PROCEED WITHOUT APPROVAL BY LANDSCAPE ARCHITECT.
17. IF CONFLICTS OCCUR BETWEEN WRITTEN SPECIFICATIONS AND THE DRAWINGS, THE WRITTEN SPECIFICATIONS SHALL PREVAIL.
18. ALL FOUNDATION SHRUBS AND TREES TO BE PLANTED A MINIMUM OF 5-FT FROM BUILDING WALL. NOTIFY LANDSCAPE ARCHITECT FOR ANY DISCREPANCIES.
19. INSTALL PERMANENT SEEDING ALONG ALL ROADSIDE DITCHES AND CHANNELS WITHIN CONSTRUCTION LIMITS OF PROJECT. SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION.

PLANT SCHEDULE

CANOPY TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
BET NIG	5	Betula nigra 'BNMTF' TM Dura Heat River Birch	B&B	2.5"	12' HT.
LIR TUL	6	Liriodendron tulipifera Tulip Tree	B&B	2.0"	8-10' HT
QUE COC	6	Quercus coccinea Scarlet Oak	B&B	2.5"	8-10' HT
QUE VIR	12	Quercus virginiana Southern Live Oak	B&B	2.5"	12' HT.
ULM AME	20	Ulmus americana 'Princeton' American Elm	B&B	2.5"	12' HT.
UNDERSTORY TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
CER HEA	19	Cercis canadensis 'Hearts of Gold' Forest Pansy Redbud	B&B	2.0"	8-10' HT
MAG LIT	10	Magnolia grandiflora 'Little Gem' Dwarf Southern Magnolia	B&B	2.0"	8-10' HT
PIS CHI	5	Pistacia chinensis Chinese Pistache	B&B	2.0"	8-10' HT
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	-	SIZE
CLE ALN	15	Clethra alnifolia 'Ruby Spice' Ruby Spice Clethra	CONT.	#3	18-24" HT.
ITE VIR	29	Itea virginica 'Henry's Garnet' Henry's Garnet Sweetspire	CONT.	#3	18-24" HT.
LEU AXI	20	Leucothoe axillaris Coastal Leucothoe	CONT.	#3	18-24" HT.
MYR CER	16	Myrica cerifera Wax Myrtle	18-24"	#3	18-24" HT.
PRU OTT	24	Prunus laurocerasus 'Otto Luyken' Luykens Laurel	CONT.	#3	18-24" HT.

PLANT SCHEDULE - continued

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	-	SPACING
ASC TUB	166	Asclepias tuberosa Butterfly Milkweed	CONT.	QT.	18" o.c.
CAR EVE	195	Carex oshimensis 'Everillo' TM EverColor Everillo Japanese Sedge	CONT.	QT.	24" o.c.
HEU XNP	208	Heuchera x 'Grape Expectations' Grape Expectations Purple Coral Bells	CONT.	3.5" POT	18" o.c.
MUH CAP	58	Muhlenbergia capillaris Pink Muhly	CONT.	QT.	24" o.c.
RUD HIR	166	Rudbeckia hirta Black-eyed Susan	CONT.	QT.	24" o.c.

TFWAY 419 SOD, SEE DETAIL SHEET C7.05.

PHASING NOTES-LANDSCAPING

1. CONTRACTOR TO PERMANENTLY SEED IN AREAS WHERE POSSIBLE DURING CONSTRUCTION. CONTRACTOR BE PREPARED TO MOBILIZE MORE THAN ONCE IN ORDER TO PERMANENTLY SEED IN AREAS WHERE POSSIBLE.
2. CONTRACTOR TO DISCUSS LANDSCAPE PHASING APPROACH WITH LANDSCAPE ARCHITECT AT PRE-INSTALLATION CONFERENCE.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
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LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 AIMEE C. PFEIFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
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18-144

BID AND CONSTRUCTION

SITE LANDSCAPE PLAN
AREA 1

C6.01

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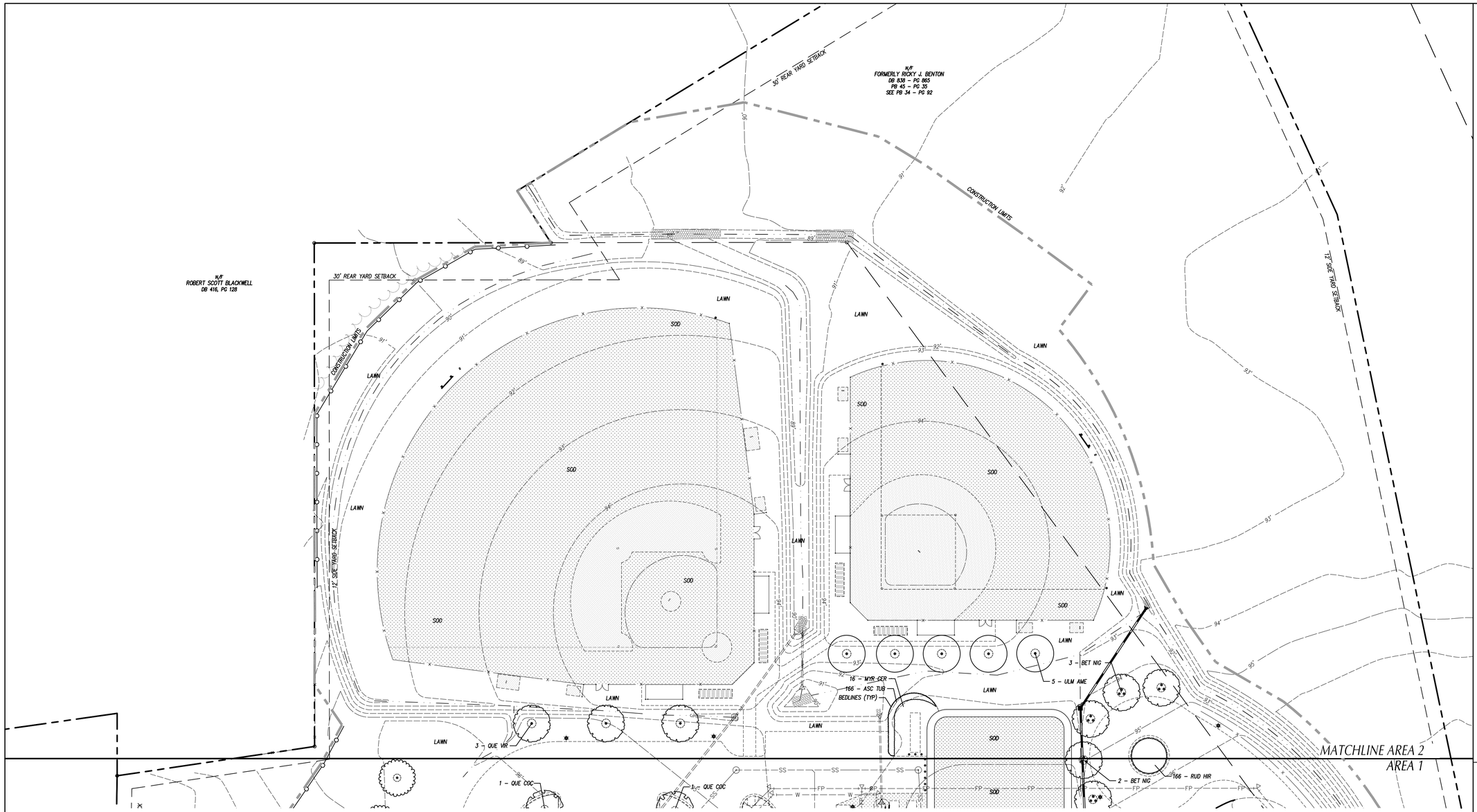

GENERAL NOTES-LANDSCAPING

1. LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLAN.
2. VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
3. ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE WRITTEN SPECIFICATIONS.
4. ALL PLANT MATERIAL (SHRUBS/TREES) SHALL BE A MINIMUM DISTANCE OF 4 1/2 FEET FROM BACK OF CURB, EXCEPT ALONG ANY NEW WALLS ADJACENT TO PARKING WHERE CURB STOPS WILL BE USED.
5. ALL PLANT GROUPINGS WITHIN TURF AREAS SHALL BE MULCHED AS ONE BED. 3" OF DYED BROWN DOUBLE SHREDDED HARDWOOD MULCH SHALL BE USED AROUND ALL PLANTINGS WITH THE EXCEPTION OF PLANTINGS IMMEDIATELY ADJACENT TO THE BUILDING.
6. ALL PLANTING AREAS IMMEDIATELY ADJACENT TO THE BUILDING SHALL BE MULCHED WITH 3" OF PEA GRAVEL. LANDSCAPE ARCHITECT TO APPROVE SAMPLE PRIOR TO INSTALLATION.
7. APPLY PRE-EMERGENT HERBICIDE TO ALL NEW PLANTING BEDS AT MANUFACTURER'S RECOMMENDED RATE PRIOR TO INSTALLATION OF MULCH.
8. ESTABLISH POSITIVE DRAINAGE IN ALL PLANTING BEDS AND AWAY FROM BUILDINGS.
9. DO NOT INSTALL PLANT MATERIAL IN IMPERVIOUS SOILS, (i.e. HOLES WHICH , WHEN FILLED WITH WATER, DO NOT COMPLETELY DRAIN WITHIN TWO HOURS.) SEE SPECIFICATIONS FOR TOPSOIL REQUIREMENTS.
10. LAWN AREAS SHALL BE SEEDED WITH RIVIERA OR SUNSTAR BERMUDA GRASS 95% COVERAGE (BASED ON A PER SQUARE YARD SAMPLE) SHALL BE ATTAINED PRIOR TO FINAL INSPECTION. SEE DETAIL SHEET FOR RATES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11. CONTACT THE LANDSCAPE ARCHITECT FOR INSPECTION 48 HOURS IN ADVANCE OF THE SCHEDULED SITE VISIT AND AT THE FOLLOWING INTERVALS:
    - 11.1. REVIEW OF GRADING PRIOR TO PLANT AND LAWN INSTALLATION
    - 11.2. REVIEW OF PLANT MATERIAL PRIOR TO INSTALLATION.
    - 11.3. ONE SUBSTANTIAL COMPLETION MEETING FOR PLANT INSTALLATION.
    - 11.4. ONE FINAL INSPECTION FOR ALL SEEDING/PLANTING OPERATIONS.
12. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION PRIOR TO THE CERTIFICATE OF OCCUPANCY (CO) IS SCHEDULED. THE FENCING SHALL BE REMOVED PRIOR TO FINAL SITE INSPECTION FOR THE CO.
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PLANT SCHEDULE - continued

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TIFWAY 419 SOD, SEE DETAIL SHEET C7.05.

PHASING NOTES-LANDSCAPING

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(IN FEET)
1 inch = 40 ft.

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COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JOSEPH C. PFEIFER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
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18-144

BID AND CONSTRUCTION

SITE LANDSCAPE PLAN
AREA 2
C6.02

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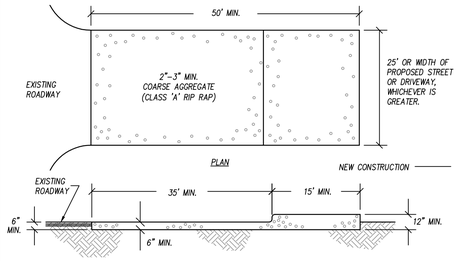
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE — NTS



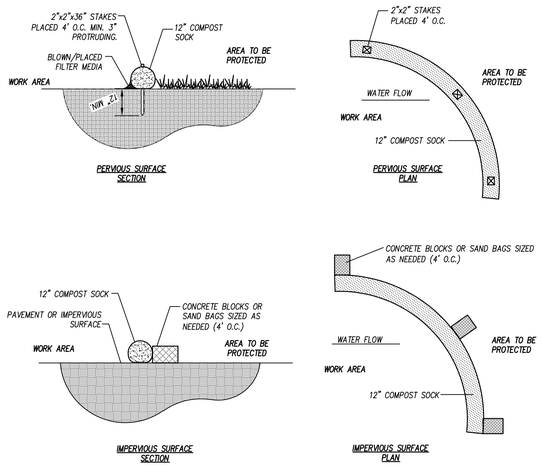
CONSTRUCTION NOTES:

1. ENTRANCE(S) SHALL BE LOCATED TO PROVIDE MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
2. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS SHALL TO BE PROVIDED.
3. ENTRANCES MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY. CONTRACTOR SHALL MAINTAIN AS NECESSARY.
4. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.
5. FREQUENT CHECKS OF THE ENTRANCE(S) AND TIMELY MAINTENANCE SHALL BE PROVIDED.
6. NOTES ARE APPLICABLE AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED.

MAINTENANCE NOTES:

1. MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE.
2. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS.

TEMPORARY COMPOST SOCK PERIMETER FENCE — NTS



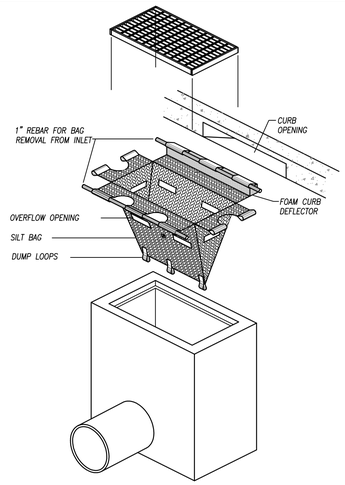
NOTES:

1. MATERIALS TO BE FILTREXX OR APPROVED EQUAL.
2. ALL MATERIAL AND INSTALLATION TO MEET STATE AND LOCAL SPECIFICATIONS.
3. COMPOST SOCKS SHALL BE INSTALLED PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREAS, PERPENDICULAR TO SHEET FLOW. COMPOST SOCKS ARE EFFECTIVE IN AREAS WHERE SEDIMENT ACCUMULATION OF LESS THAN SIX INCHES IS EXPECTED.
4. COMPOST SOCKS CAN BE APPLIED ON SLOPES UP TO A 2:1 GRADE WITH A MAXIMUM HEIGHT OF 10 FEET. COMPOST SOCK SHOULD NOT BE USED ALONE BELOW GRADED SLOPES GREATER THAN 10 FEET IN HEIGHT.
5. 2"X2" OAK OR OTHER DURABLE HARDWOOD STAKES SHALL BE USED. STAKES SHALL BE PLACES AT A MAXIMUM INTERVAL OF 4 FEET, OR A MAXIMUM INTERVAL OF 8 FEET IF THE SOCK IS PLACER IN A 4 INCH TRENCH. STAKES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 12 INCHES, WITH A MINIMUM OF 3 INCHES PROTRUDING ABOVE THE COMPOST SOCKS.
6. COMPOST SOCKS SHALL BE SLEEVED WHEN SECTIONS LONGER THAN 200-LF ARE REQUIRED. STAKES SHALL BE PLACED ON SLEEVED AREAS TO KEEP SECTIONS TOGETHER.
7. IN THE EVENT STAKING IS NOT POSSIBLE (I.E., WHEN SOCKS ARE USED ON PAVEMENT) HEAVY CONCRETE BLOCKS OR SAND BAGS SHALL BE USED BEHIND THE SOCK TO HOLD IT IN PLACE DURING RUNOFF EVENTS.
8. COMPOST SOCK SHOULD BE PLACED AT A 10 FOOT MINIMUM DISTANCE FROM THE TOE OF THE SLOPE TO ALLOW FOR A PROPER RUNOFF ACCUMULATION AND MAXIMUM SEDIMENT STORAGE. ON FLAT AREAS, COMPOST SOCK SHALL BE PLACED AT THE EDGE OF DISTURBED AREAS.
9. THE ENDS OF THE SOCKS SHOULD BE TURNED SLIGHTLY UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE END OF THE SOCKS.

MAINTENANCE NOTES:

1. INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).
2. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED ½ THE HEIGHT OF THE CHECK DAM.
3. THE COMPOST SOCK MUST BE REPLACED IF CLOGGED OR TORN.
4. IF PONDING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE.
5. THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLODGED.
6. THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.

SILT BAG INLET PROTECTION — NTS



NOTES:

1. CONTRACTOR TO INSPECT SILT BAG EVERY TWO WEEKS OR AFTER EVERY SUBSTANTIAL RAIN EVENT.
2. CONTRACTOR TO REMOVE AND DISPOSE OF COLLECTED SILT AT AN ACCEPTABLE OFF SITE LOCATION.
3. COLLECTED SEDIMENT TO BE REMOVED ROUTINELY TO ENSURE FUNCTIONALITY OF SILT BAG.
4. DEVICE SHALL BE MANUFACTURED FROM WOVEN POLYPROPYLENE GEOTEXTILE TO FIT THE OPENING OF A CATCH BASIN OR DROP INLET TO FILTER SEDIMENT FROM RUNOFF ENTERING THE INLET. DEVICE SHALL BE PROVIDED WITH AN INTEGRAL CURB DEFLECTOR IF INSTALLED AT A CATCH BASIN WITH A VERTICAL OPENING ADJACENT TO A HORIZONTAL GRATE.
5. THE DEVICE SHALL BE A HIGH FLOW "SILTSACK" AS MANUFACTURED BY ACF ENVIRONMENTAL, INC. OR APPROVED EQUAL.
6. INSTALL DEVICE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND INSTALL A CURB DEFLECTOR IF APPROPRIATE.
7. INSPECT DEVICE AFTER EACH RAIN EVENT AND AT INTERVALS NOT EXCEEDING TWO WEEKS DURING CONSTRUCTION. REMOVE, EMPTY, CLEAN, AND REPLACE THE DEVICE AS NEEDED DURING CONSTRUCTION. EMPTY COLLECTED SEDIMENT IN APPROVED, PROTECTED LOCATION. REMOVE AND DISPOSE OF DEVICE FOLLOWING FULL AND PERMANENT STABILIZATION OF THE CONTRIBUTING DRAINAGE AREA.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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LA: C-106
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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

02.MARCH, 2020

NO.	DATE	DESCRIPTION
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18-144

BID AND CONSTRUCTION

DETAILS
C7.01

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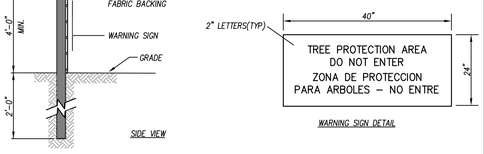
TEMPORARY TREE PROTECTION FENCE — NTS



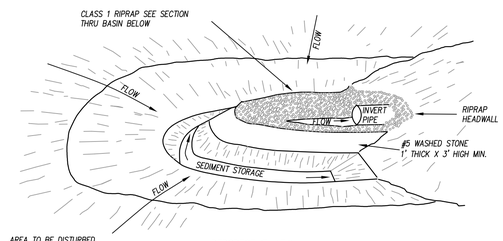
NOTES:

1. INSTALL TREE PROTECTION FENCING PRIOR TO PERFORMING ANY CLEARING OF THE SITE.
2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL.
3. LETTERS TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
4. SIGNS SHALL BE PLACED AT 150' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 150' ON CENTER THEREAFTER.
5. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
6. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
7. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.

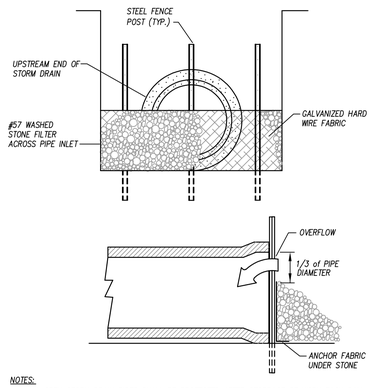
TEMPORARY ROCK PIPE INLET PROTECTION — NTS

MAINTENANCE NOTES:

1. INSPECT THE BARRIER AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL AND REPAIR IMMEDIATELY.
2. REMOVE SEDIMENT AND RESTORE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP.
3. CHECK THE STRUCTURE FOR DAMAGE AND REPLACE ANY DISPLACED RIPRAP IMMEDIATELY.
4. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.



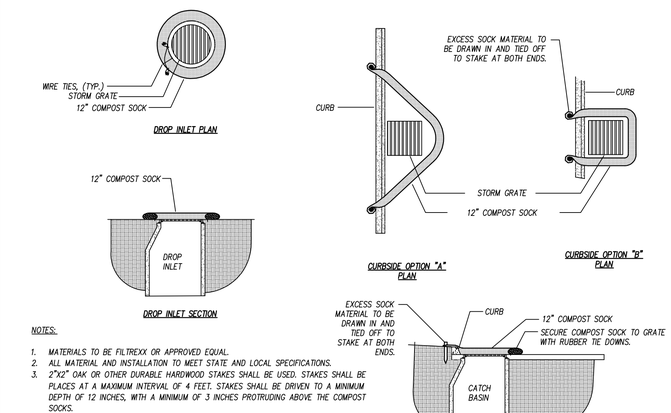
PROTECTION OF STORM DRAIN UNDER CONSTRUCTION — NTS



NOTES:

1. ALL OPEN STORM DRAIN PIPES SHALL BE PROTECTED AFTER STOPPAGE OF WORK EACH DAY AS ILLUSTRATED.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF AND THE TRENCH BOTTOM REGRADED AND COMPACTED IN ACCORDANCE w/ SPECIFICATIONS PRIOR TO CONTINUANCE OF LAYING PIPE.

TEMPORARY COMPOST SOCK INLET PROTECTION — NTS



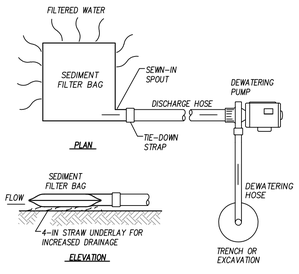
NOTES:

1. MATERIALS TO BE FILTREXX OR APPROVED EQUAL.
2. ALL MATERIAL AND INSTALLATION TO MEET STATE AND LOCAL SPECIFICATIONS.
3. 2"X2" OAK OR OTHER DURABLE HARDWOOD STAKES SHALL BE USED. STAKES SHALL BE PLACES AT A MAXIMUM INTERVAL OF 4 FEET. STAKES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 12 INCHES, WITH A MINIMUM OF 3 INCHES PROTRUDING ABOVE THE COMPOST SOCKS.
4. IN THE EVENT STAKING IS NOT POSSIBLE (I.E., WHEN SOCKS ARE USED ON PAVEMENT) HEAVY CONCRETE BLOCKS OR SAND BAGS SHALL BE USED BEHIND THE SOCK TO HOLD IT IN PLACE DURING RUNOFF EVENTS.
5. THE ENDS OF THE SOCKS SHOULD BE TURNED SLIGHTLY UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE END OF THE SOCKS.

MAINTENANCE NOTES:

1. INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).
2. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED ½ THE HEIGHT OF THE CHECK DAM.
3. THE COMPOST SOCK MUST BE REPLACED IF CLOGGED OR TORN.
4. IF PONDING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE.
5. THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLODGED.
6. THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.

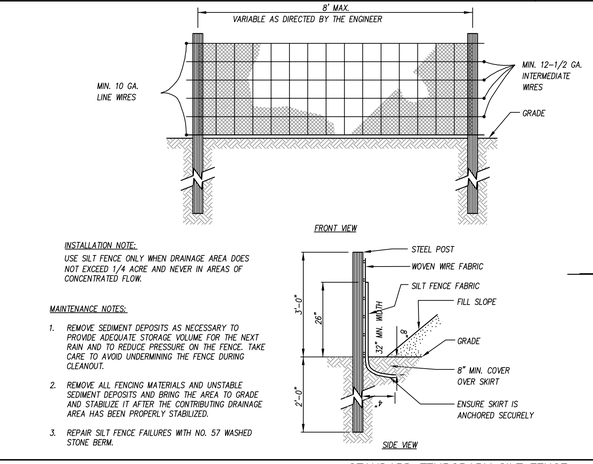
DEWATERING SEDIMENT FILTER BAG — NTS



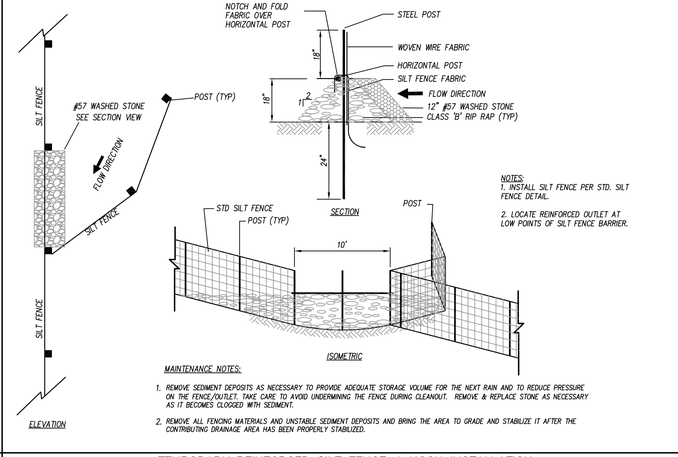
CONSTRUCTION NOTES:

1. SILT BAG SHALL BE A PERMEABLE, NON-WOVEN GEOTEXTILE BAG MANUFACTURED TO ACCEPT AND FILTER PUMPED, SEDIMENT-LADEN WATER FROM DEWATERING ACTIVITIES.
2. SILT BAG SHALL BE SIZED AS APPROPRIATE FOR THE DEWATERING PUMP DISCHARGE RATE AND SHALL BE FITTED WITH A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE PIPING OF THE DEWATERING PUMP.
3. INSTALL SILT BAG ON AN UNDISTURBED OR FULLY STABILIZED SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CAUSING EROSION.
4. REMOVE AND REPLACE SILT BAG WHEN DEVICE NO LONGER DRAINS EFFICIENTLY DUE TO ACCUMULATED SEDIMENT IN BAG.
5. EMPTY BAG WITHIN DISTURBED LIMITS OF THE SITE PROTECTED BY OTHER SEDIMENT CONTROL MEASURES OR DISPOSE OF OFF-SITE AT AN APPROPRIATELY PERMITTED LOCATION.

STANDARD TEMPORARY SILT FENCE — NTS

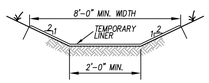


TEMPORARY REINFORCED SILT FENCE J-HOOK INSTALLATION — NTS



CONSTRUCTION SPECIFICATIONS:

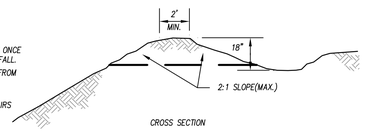
1. REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIALS.
2. ENSURE THAT THE MINIMUM CONSTRUCTED CROSS SECTION MEETS ALL DESIGN REQUIREMENTS.
3. ENSURE THAT THE TOP OF THE DIKE IS NOT LOWER AT ANY POINT THAN THE DESIGN ELEVATION PLUS THE SPECIFIED SETTLEMENT.
4. PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT MACHINE REGRADING AND CLEANOUT.
5. VEGETATE THE RIDGE IMMEDIATELY AFTER CONSTRUCTION, UNLESS IT WILL REMAIN IN PLACE LESS THAN 30 WORKING DAYS.
6. APPLY SOLID PLASTIC (BLACK, 20 MIL) LINING ON SURFACE OF DIVERSION DITCH ON ANY SLOPES GREATER THAN 10% ENTERING BASINS/PONDS.



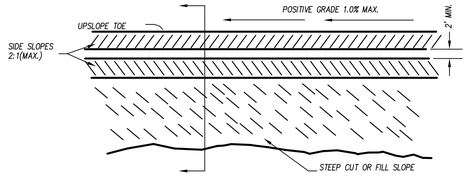
TEMP. PLASTIC LINING
NTS

MAINTENANCE NOTES:

1. INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL.
2. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR DIVERSION DITCH.
3. INSPECT AND MAKE TIMELY REPAIRS AS NEEDED.



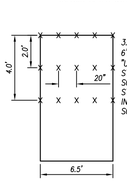
CROSS SECTION



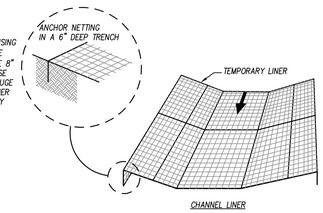
PLAN VIEW

MATTING INSTALLATION NOTES:

1. INSTALL TEMPORARY CHANNEL MATTING IN ALL DIVERSION SWALES OR OTHER GRASSED AREAS OF CONCENTRATED STORMWATER FLOW DURING BOTH TEMPORARY AND PERMANENT GRASS ESTABLISHMENT. ALL TEMPORARY MATTING SHALL BE EXCELSIOR MATTING UNLESS NOTED OTHERWISE ON THE EROSION CONTROL PLAN.
2. SEE SPECIFICATIONS FOR TEMP. LINING REQUIREMENTS.
3. PREPARE SOIL BEFORE INSTALLING MATS OR NETS, INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED.
4. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE NET OR MAT IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
5. ROLL CENTER MAT OR NET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
6. PLACE MAT OR NET END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE.
7. FULL LENGTH EDGE OF MAT OR NET AT TOP SIDE SLOPES SHALL BE ANCHORED IN 6" DEEP TRENCH AFTER STAPLING.
8. MATS OR NETS SHALL BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED.
9. THE TERMINAL END OF THE MAT OR NET MUST BE ANCHORED IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.



TEMPORARY MAT STAPLE PATTERN
NTS

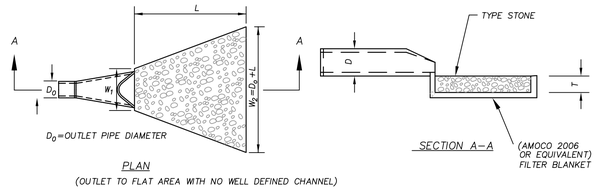


CHANNEL LINER

DIVERSION DITCH SCHEDULE

CHANNEL	BOTTOM WIDTH (FT)	SIDE SLOPE (H:V)	CHANNEL GRADE	CHANNEL LENGTH	PERM. LINING	TEMP. LINING	MIN. TOP WIDTH OF LINING (FT)
DIV-1	2	3:1	1.00%	328 LF	N/A	EXCELSIOR	8
DIV-2	2	3:1	1.30%	191 LF	N/A	EXCELSIOR	8
DIV-3	2	3:1	1.30%	606 LF	N/A	EXCELSIOR	14
DIV-4	8	3:1	0.40%	114 LF	N/A	EXCELSIOR	20

TEMPORARY DIVERSION DITCH / BERM NTS

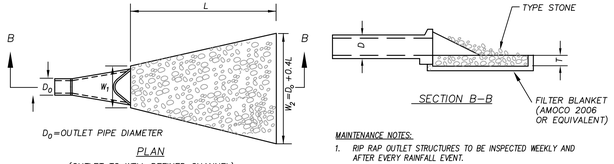


D_O=OUTLET PIPE DIAMETER

PLAN

(OUTLET TO FLAT AREA WITH NO WELL DEFINED CHANNEL)

SECTION A–A



D_O=OUTLET PIPE DIAMETER

PLAN

(OUTLET TO WELL DEFINED CHANNEL)

SECTION B–B

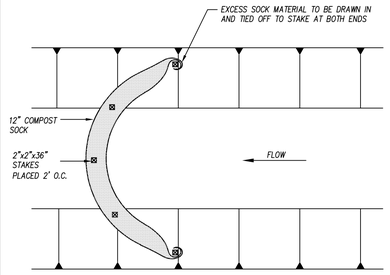
NOTES:

1. TOP OF RIP RAP AT DOWNSTREAM END OF APRON SHALL BE FLUSH WITH NATURAL GRADE OF THE RECEIVING CHANNEL.
2. VEGETATE ALL DISTURBED AREAS WITH VEGETATION IMMEDIATELY AFTER INSTALLATION.
3. SEE EROSION CONTROL PLAN FOR APRON DIMENSIONS.

MAINTENANCE NOTES:

1. RIP RAP OUTLET STRUCTURES TO BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL EVENT.
2. REPAIRS ARE TO BE MADE IMMEDIATELY.

PERMANENT RIPRAP OUTLET PROTECTION NTS



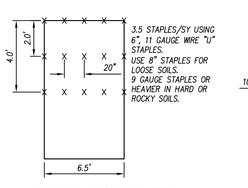
NOTES:

1. MATERIALS TO BE FILTREXX OR APPROVED EQUAL.
2. ALL MATERIAL AND INSTALLATION TO MEET STATE AND LOCAL SPECIFICATIONS.
3. COMPOST SOCK MAY BE USED AS CHECK DAMS IN DITCHES NOT EXCEEDING 3 FEET IN DEPTH.
4. PRIOR TO SOCK INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLODS, AND OTHER DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION.
5. 2"X2" OAK OR OTHER DURABLE HARDWOOD STAKES SHALL BE USED. STAKES SHALL BE PLACED AT A MAXIMUM INTERVAL OF 2 FEET. STAKES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 12 INCHES, WITH A MINIMUM OF 3 INCHES PROTRUDING ABOVE THE COMPOST SOCKS.
6. THE ENDS OF THE SOCKS SHOULD BE TURNED SLIGHTLY UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE END OF THE SOCKS.
7. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
8. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.

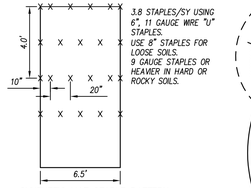
MAINTENANCE NOTES:

1. INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).
2. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED ½ THE HEIGHT OF THE CHECK DAM.
3. THE COMPOST SOCK MUST BE REPLACED IF CLOGGED OR TORN.
4. IF PONDING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE.
5. THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLODGED.
6. THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.

TEMPORARY COMPOST SOCK CHECK DAM NTS



EXCELSIOR MAT STAPLE PATTERN
NTS

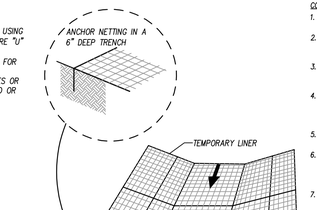


SYNTHETIC MAT STAPLE PATTERN
NTS

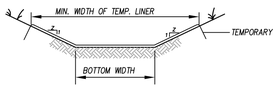
EXCELSIOR, COCONUT AND SYNTHETIC MAT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.

CHANNEL SCHEDULE

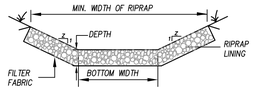
CHANNEL	BOTTOM WIDTH (FT)	SIDE SLOPE (H:V)	CHANNEL GRADE	CHANNEL LENGTH	PERM. LINING	TEMP. LINING	MIN. TOP WIDTH OF LINING (FT)	RIPRAP DEPTH (IN)
1	2	3:1	2.2%	115 LF	GRASS	EXCELSIOR	8	N/A
2	2	3:1	0.6%	700 LF	GRASS	EXCELSIOR	8	N/A
3	8	3:1	0.40%	372 LF	GRASS	EXCELSIOR	20	N/A
4	2	3:1	1.00%	75 LF	GRASS	EXCELSIOR	8	N/A
5	2	3:1	1.5%	127 LF	GRASS	EXCELSIOR	8	N/A
6	2	3:1	7.5%	70 LF	GRASS	EXCELSIOR	8	N/A
7	2	3:1	1.5%	355 LF	GRASS	EXCELSIOR	8	N/A
8	2	3:1	1.7%	110 LF	GRASS	EXCELSIOR	8	N/A
9	2	5:1	0.67%	1045 LF	GRASS	EXCELSIOR	22	N/A
10	2	5:1	3.0%	150 LF	GRASS	EXCELSIOR	12	N/A
11	2	3:1	0.50%	105 LF	GRASS	EXCELSIOR	8	N/A
12	2	3:1	0.43%	35 LF	GRASS	EXCELSIOR	8	N/A
13	3	3:1	0.43%	120 LF	GRASS	EXCELSIOR	15	N/A



CHANNEL LINER



GRASS-LINED CHANNEL
NTS



RIPRAP - LINED CHANNEL
NTS

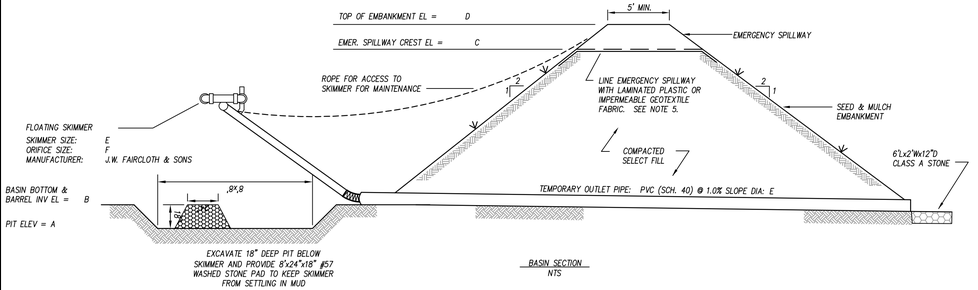
CONSTRUCTION NOTES:

1. SEE SPECIFICATIONS FOR TEMP. LINING, RIPRAP AND FILTER FABRIC REQUIREMENTS.
2. RIPRAP CHANNELS SHALL BE OVER-EXCAVATED RIPRAP TO BE PLACED FLUSH WITH PROPOSED CHANNEL GRADE.
3. PREPARE SOIL BEFORE INSTALLING MATS OR NETS, INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED.
4. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE NET OR MAT IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
5. ROLL CENTER MAT OR NET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
6. PLACE MAT OR NET END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE.
7. FULL LENGTH EDGE OF MAT OR NET AT TOP SIDE SLOPES SHALL BE ANCHORED IN 6" DEEP TRENCH AFTER STAPLING.
8. MATS OR NETS SHALL BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED.
9. THE TERMINAL END OF THE MAT OR NET MUST BE ANCHORED IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

MAINTENANCE NOTES:

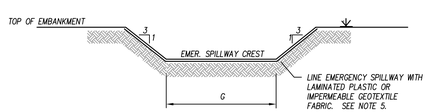
1. GRASSED-LINED CHANNELS TO BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL EVENT, DURING THE ESTABLISHMENT AND AFTER THE ESTABLISHMENT PERIOD.
2. REPAIRS ARE TO BE MADE IMMEDIATELY.
3. REMOVE SEDIMENT ACCUMULATIONS TO MAINTAIN DESIGNED CARRYING CAPACITY.
4. GRASS IS TO BE HEALTHY AND IN VIGOROUS CONDITIONS AT ALL TIMES.

CHANNEL SECTIONS/ CHANNEL LINING NTS



EXCAVATE 18" DEEP PIT BELOW SKIMMER AND PROVIDE 8'x24'x18" #57 WASHED STONE PAD TO KEEP SKIMMER FROM SETTLING IN MUD

BASIN SECTION
NTS



EMERGENCY SPILLWAY SECTION
NTS

BASIN NUMBER	A (FT)	B (FT)	C (FT)	D (FT)	E (IN)	F (IN)	G (IN)
	PIT ELEV	BASIN BOTTOM	EMERG. SPILLWAY	EMBANK. TOP	OUTLET PIPE DIA.	SKIMMER SIZE	ORIFICE DIA.
TSSB-1	86.50	88.00	89.50	92.00 MIN.	4	2.5	2.5
TSSB-2	89.50	91.00	92.25	94.00 MIN.	4	1.5	1.0

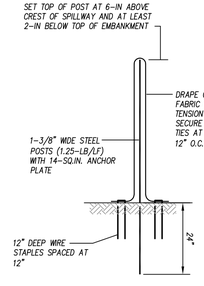
CONSTRUCTION NOTES:

1. PLACE TEMPORARY SEDIMENT CONTROL MEASURES BELOW BASIN AS INDICATED. CLEAR, GRUB AND STRIP THE AREA UNDER THE EMBANKMENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOILS CONTAINING HIGH AMOUNTS OF ORGANIC MATTER.
2. PLACE OUTLET BARREL ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL. DO NOT USE PERVIOUS MATERIAL SUCH AS SAND, GRAVEL OR CRUSHED STONE AS BACKFILL AROUND PIPE. PLACE FILL MAERIAL AROUND PIPE IN 4-IN LAYERS AND COMPACT IT UNDER AND AROUND THE PIPE TO AT LEAST 90% OF THE STANDARD PROCTOR DENSITY. CARE SHALL BE TAKEN TO NOT RAISE THE PIPE FROM FIRM CONTACT WITH ITS FOUNDATION.
3. ASSEMBLE THE SKIMMER IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ATTACH SKIMMER TO BARREL PIPE WITH FLEXIBLE JOINT AND POSITION THE SKIMMER OVER THE EXCAVATED PIT. ATTACH A ROPE TO THE SKIMMER AND ANCHOR IT TO THE SIDE OF THE BASIN.
4. EMBANKMENT SHALL BE CONSTRUCTED OF CLEAN STRUCTURAL SOIL, FREE OF ROOTS, VEGETATION, ROCKS & OTHER OBJECTIONABLE MATERIAL. SCARIFY SURFACES BEFORE PLACING FILL. PLACE FILL IN 6-8 INCH LOOSE LIFTS. COMPACT TO AT LEAST 90% OF THE STANDARD PROCTOR DENSITY.
5. LINE THE ENTIRE EMERGENCY SPILLWAY WITH LAMINATED PLASTIC OR IMPERMEABLE GEOTEXTILE FABRIC. FABRIC SHALL BE WIDE ENOUGH TO COVER THE BOTTOM AND SIDES OF THE SPILLWAY AND EXTEND ONTO THE TOP OF THE DAM FOR ANCHORING IN A TRENCH. THE EDGES SHALL BE SECURED WITH 8-IN STAPLES OR PINS. THE FABRIC SHALL BE LONG ENOUGH TO EXTEND DOWN THE SLOPE AND EXIT ONTO STABLE GROUND. THE WIDTH OF THE FABRIC SHALL BE ONE PIECE, NOT JOINED OR SPLICED. IF THE LENGTH OF THE FABRIC IS INSUFFICIENT FOR THE ENTIRE LENGTH OF THE SPILLWAY, MULTIPLE SECTIONS, SPANNING THE COMPLETE WIDTH, MAY BE USED. THE UPPER SECTIONS SHALL OVERLAP THE LOWER SECTIONS SO WATER CANNOT FLOW UNDER THE FABRIC. SECURE THE UPPER EDGE AND SIDES OF THE FABRIC IN A TRENCH WITH STAPLES OR PINS.
6. INSTALL BAFFELS ACROSS BOTTOM OF BASIN.

MAINTENANCE NOTES:

1. INSPECT DEVICE AFTER EACH RAINFALL. REMOVE SEDIMENT WHEN SEDIMENT REACHES A DEPTH OF NO MORE THAN ONE-HALF THE HEIGHT OF THE RISER. REPAIR BAFFELS IF THEY ARE DAMAGED.
2. PULL SKIMMER TO SIDE OF BASIN WITH ROPE AND INSPECT REGULARLY. KEEP SKIMMER HEAD, ORIFICE AND PIPE FREE OF DEBRIS. REMOVE SEDIMENT FROM BENEATH SKIMMER AND ENSURE VEGETATION DOES NOT INTERFERE WITH SKIMMER OPERATION.
3. CHECK FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY.

TEMPORARY SKIMMER SEDIMENT BASIN NTS

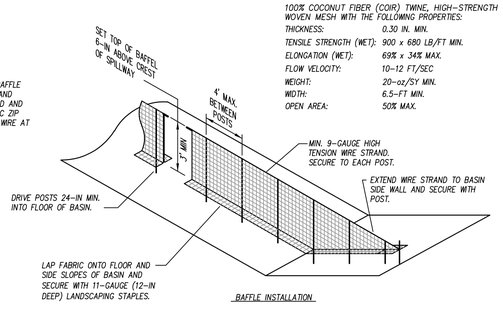


BAFFLE SECTION

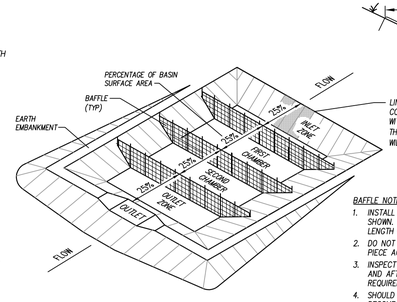
BAFFLE FABRIC:

100% COCONUT FIBER (COIR) TWINE, HIGH-STRENGTH WOVEN MESH WITH THE FOLLOWING PROPERTIES:

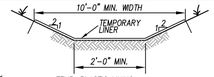
THICKNESS:	0.30 IN. MIN.
TENSILE STRENGTH (WET):	900 x 680 LB/FT MIN.
ELONGATION (WET):	69% x 34% MAX.
FLOW VELOCITY:	10-12 FT/SEC
WEIGHT:	20-oz/SY MIN.
WIDTH:	6.5-FT MIN.
OPEN AREA:	50% MAX.



BAFFLE INSTALLATION



BAFFLE PLACEMENT



TEMP. PLASTIC LINING
NTS

LINE SLOPES WHERE DIVERSION DITCH OR OTHER CONCENTRATED FLOW DISCHARGES INTO BASIN WITH WOVEN UV PROTECTED IMPERMEABLE 10-MIL THICK MIN. GEOTEXTILE FABRIC (10-FT MIN. WIDTH)

BAFFLE NOTES:

1. INSTALL AT LEAST 3 BAFFLES SPACED AS SHOWN. BASINS LESS THAN 20-FT IN LENGTH MAY USE 2 BAFFLES.
2. DO NOT SPLICE FABRIC. USE CONTINUOUS PIECE ACROSS THE BASIN.
3. INSPECT BAFFLES AT LEAST ONCE PER WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
4. SHOULD BAFFLE FABRIC COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE PROMPTLY.
5. TAKE CARE TO AVOID DAMAGE TO BAFFLES DURING PERIODIC SEDIMENT REMOVAL. REPAIR ANY DAMAGE AS NEEDED.

TEMPORARY BASIN BAFFLES NTS

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LA: C-106
PE: C-1595

NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1.		
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18-144

BID AND CONSTRUCTION

DETAILS
C7.02

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GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes

Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls • Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

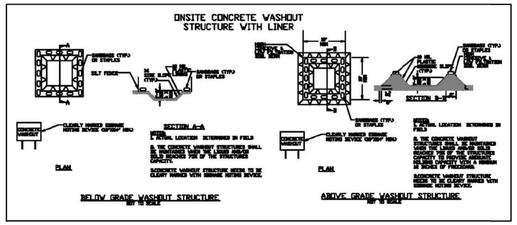
PORTABLE TOILETS

1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

NORTH CAROLINA Environmental Quality



CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

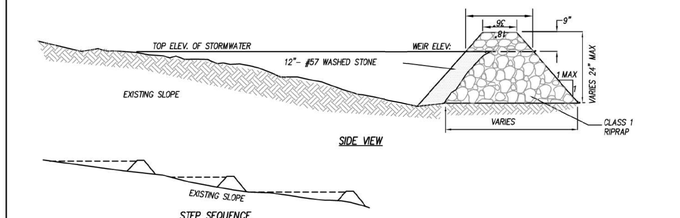
1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

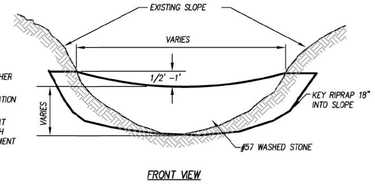
NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19



NOTES:
1. HEIGHT AND WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.
2. KEY RIP RAP INTO SLOPES FOR STABILITY.

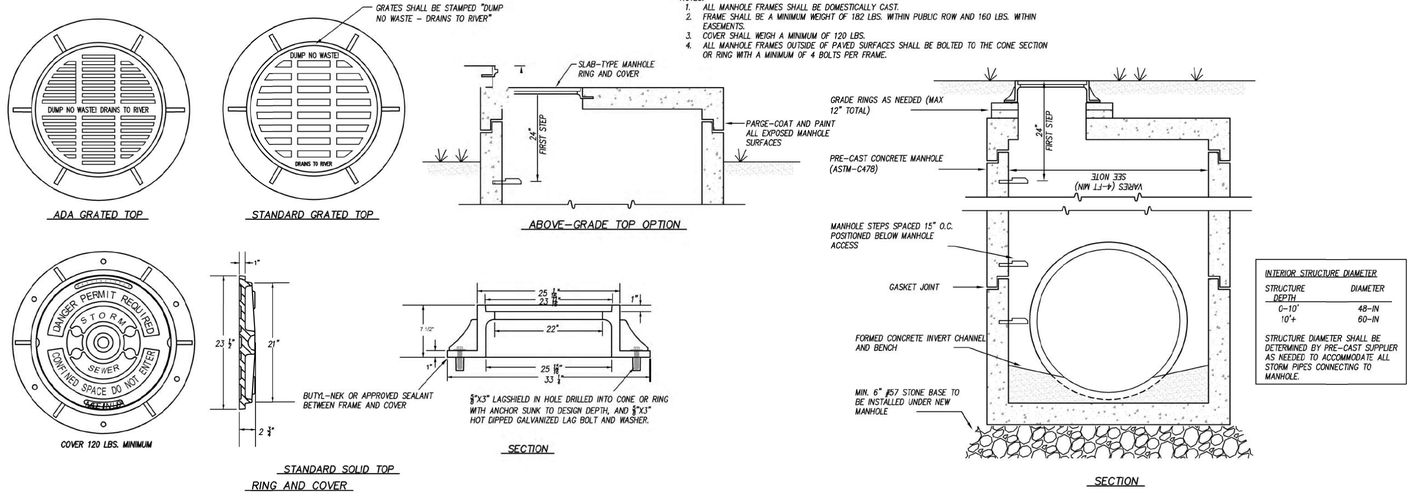
MAINTENANCE NOTES:
1. INSPECT CHECK PROTECTION WEEKLY AND AFTER ½" OR GREATER RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT STRAW, LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL WHEN NEEDED.
2. IMMEDIATELY CORRECT ANY DAMAGE CAUSED BY SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND FROM HIGH FLOWS AROUND THE EDGES.
3. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION, ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.



DESIGN OF SPILLWAYS

DRAINAGE AREA (ACRES)	MIN. WEIR LENGTH (FT)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

CHECK DAM NTS



INTERIOR STRUCTURE DIAMETER

STRUCTURE DEPTH	DIAMETER
0-10'	48-IN
10'+	60-IN

STRUCTURE DIAMETER SHALL BE DETERMINED BY PRE-CAST SUPPLIER AS NEEDED TO ACCOMMODATE ALL STORM PIPES CONNECTING TO MANHOLE.

STORM DRAIN MANHOLE N.T.S.

SZOSTAK DESIGN

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COLUMBUS COUNTY SCHOOLS

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FE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JAMES C. PFEIFER 3-2-20

02.MARCH, 2020

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PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan.	Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC Plan.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC Measures.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

In addition to the E&SC Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This general permit as well as the certificate of coverage, after it is received.

(b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

(c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that must be reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(b) Oil spills if:
- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(a) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(b) Anticipated bypasses and unanticipated bypasses.

(c) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the approopriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• ***Within 24 hours***, an oral or electronic notification. • ***Within 7 calendar days***, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	• ***Within 24 hours***, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	• ***A report at least ten days before the date of the bypass, if possible***. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	• ***Within 24 hours***, an oral or electronic notification. • ***Within 7 calendar days***, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment[40 CFR 122.41(l)(7)]	• ***Within 24 hours***, an oral or electronic notification. • ***Within 7 calendar days***, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

NORTH CAROLINA Environmental Quality

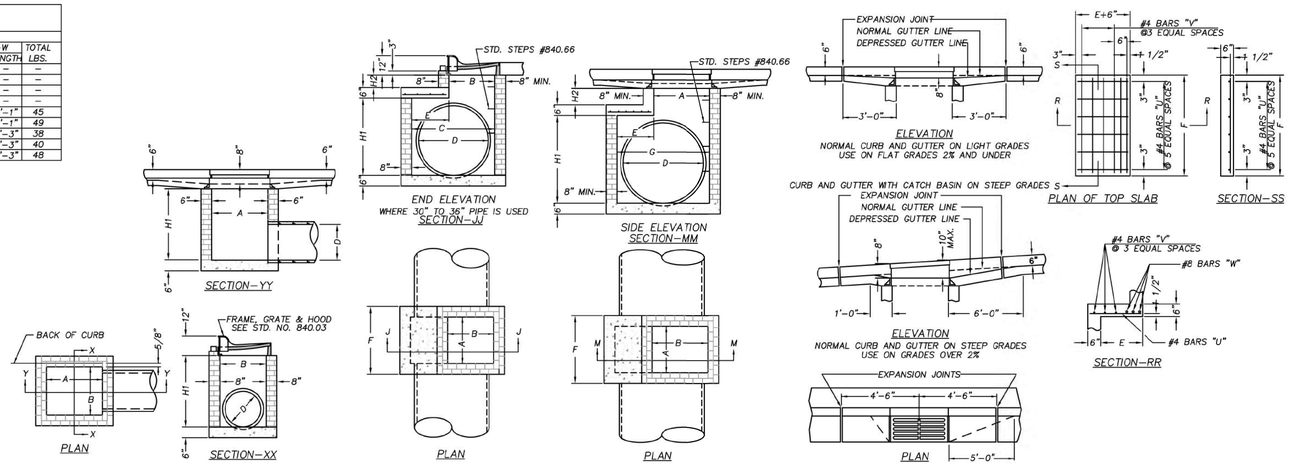
NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

MINIMUM DIMENSIONS AND QUANTITIES FOR BRICK CATCH BASIN																
DIMENSIONS OF BOX AND PIPE							COVER DIMENSION		BARS–U		BARS–V		BARS–W		TOTAL
PIPE D	SPAN A	WIDTH B	WIDTH C	SPAN G	HEIGHT MIN H1	HEIGHT H2	E	F	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	LBS.
12"	3'–0"	2'–2"	–	–	2'–3"	–	–	–	–	–	–	–	–	–	–
15"	3'–0"	2'–2"	–	–	2'–6"	–	–	–	–	–	–	–	–	–	–
18"			–	–	2'–10"	–	–	–	–	–	–	–	–	–	–
24"			–	–	3'–2"	–	–	–	–	–	–	–	–	–	–
30"			3'–4"	–	3'–4"		1'–10"	4'–4"	4	1'–6"	3	4'–1"	3	4'–1"	45
36"			3'–10"	–	3'–8"		2'–4"	4'–4"	4	2'–0"	4	4'–1"	3	4'–1"	49
42"			–	4'–5"	4'–4"	VAR.	2'–1"	3'–6"	4	1'–9"	3	3'–3"	3	3'–3"	38
48"			–	5'–0"	4'–10"		2'–8"	3'–6"	4	2'–6"	4	3'–3"	3	3'–3"	40
54"	3'–0"	2'–2"	–	5'–7"	5'–4"		3'–3"	3'–6"	4	3'–0"	6	3'–3"	3	3'–3"	48

GENERAL NOTES:

1. MORTOR JOINTS 1/2" TO 1/8" THICK.
2. CLASS "B" CONCRETE TO BE USED THROUGHOUT.
3. THE POURING OF FLOOR SLAB TO BE ACCOMPLISHED BY FORMING.
4. DEDUCT FOR PIPE'S) FROM TOTAL CU. YARDS OF BRICK MASONRY.
5. ALL CATCH BASINS OVER 3'–6" IN DEPTH TO BE PROVIDED WITH STEPS 1'–2" ON CENTER. STEPS SHALL BE IN ACCORDANCE WITH STD. NO. 840.66.
6. USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
7. JUMBO BRICK WILL BE PERMITTED. CONCRETE BRICK OR 4" SOLID CONCRETE BLOCKS MAY BE USED IN LIEU OF CLAY BRICK.
8. IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OR BOX, ADD TO BASE AS SHOWN ON NCDOT STD. NO. 840.00.
9. FOR 8'–0" IN HEIGHT OR LESS, USE 8" WALLS. OVER 8'–0" IN HIGHT, USE 12" WALL TO 6'–0" FROM TOP OF WALL AND 8" WALL FOR THE REMAINING 6'–0". QUALITIES TO BE ADJUSTED ACCORDINGLY.
10. PRECAST CONCRETE CONSTRUCTION MAY BE USED IN LIEU OF BRICK AND BLOCK CONSTRUCTION.



CATCH BASIN N.T.S.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

02 MARCH, 2020

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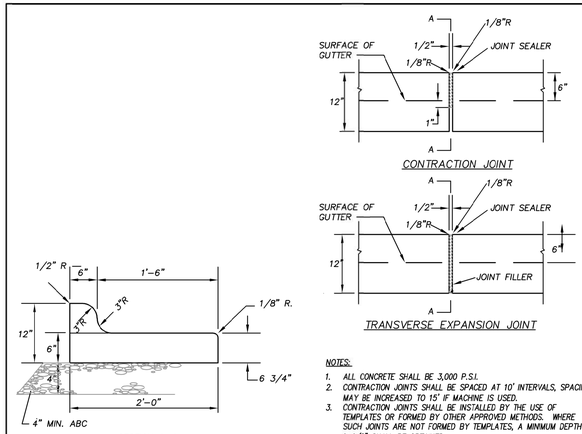


SECTION A–A

24" CURB & GUTTER

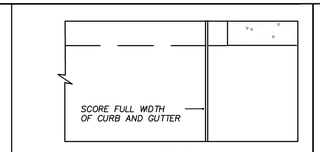
CONTRACTION JOINT

TRANSVERSE EXPANSION JOINT

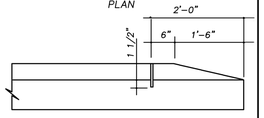
NOTES:

1. ALL CONCRETE SHALL BE 3,000 P.S.I.
2. CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS, SPACING MAY BE INCREASED TO 15' IF MACHINE IS USED.
3. CONTRACTION JOINTS SHALL BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1-1/2" SHALL BE OBTAINED.
4. EXPANSION JOINTS SHALL BE SPACED AT 90' MAX INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS.
5. ALL JOINTS SHALL BE FILLED WITH JOINT FILLER AND SEALER.

STANDARD CONCRETE CURB AND GUTTER N.T.S.

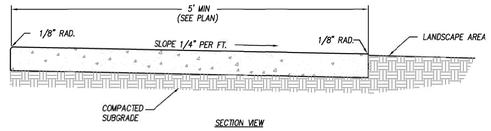


PLAN

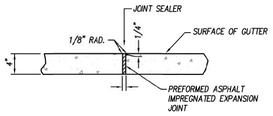


FRONT

STANDARD METHOD OF ENDING CURB AND GUTTER



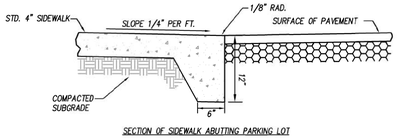
SECTION VIEW



TRANSVERSE EXPANSION JOINT

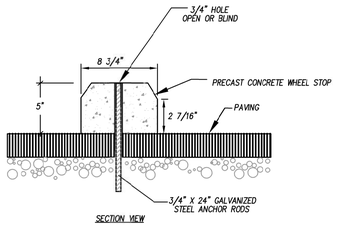
GENERAL NOTES:

1. A GROOVE JOINT 1" DEEP WITH 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS UNLESS INDICATED OTHERWISE. SEE SPECS FOR ADDITIONAL JOINT SPACING REQUIREMENTS.
2. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS.
3. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
4. ALL CONCRETE SHALL BE 3,000 P.S.I.

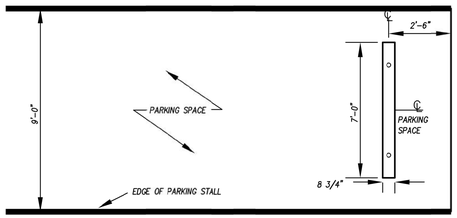


SECTION OF SIDEWALK ABUTTING PARKING LOT

CONCRETE SIDEWALK N.T.S.

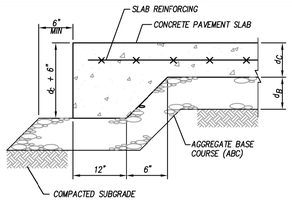


SECTION VIEW



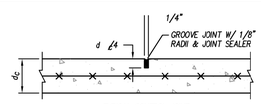
90°PARKING SPACE PLAN VIEW

PRE–CAST CONCRETE WHEELSTOP N.T.S.

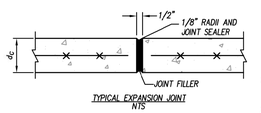


TYPICAL THICKENED EDGE NTS

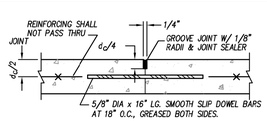
CONCRETE PAVEMENT DIMENSIONS	HEAVY
CONC SLAB THICKNESS, d_C =	6"
ABC THICKNESS, d_B =	6"
REINFORCEMENT = 6x6–W2.9xW2.9	



TYPICAL CONTROL JOINT NTS



TYPICAL EXPANSION JOINT NTS

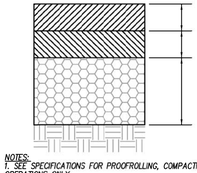


TYPICAL CONSTRUCTION JOINT NTS

NOTES:

1. ALL CONCRETE SHALL HAVE A 28–DAY COMPRESSIVE STRENGTH OF 4000 PSI (ASTM C39).
2. CONTRACTION JOINTS SHALL BE SPACED AT 15 FT O.C.E.W. MAX. OR AS INDICATED ON THE PLAN.
3. EXPANSION JOINTS SHALL BE SPACED AT 50 FT O.C.E.W. MAX. MAX. OR AS INDICATED ON THE PLAN AND WHERE CONCRETE PAVEMENT ABUTS ANY RIGID OBJECT.

CONCRETE PAVEMENT N.T.S.



	STANDARD DUTY	HEAVY DUTY	ASPHALT WALKING PATH
S–9.5C SUPERPAVE ASPHALTIC SURFACE COURSE	2–IN	1.5–IN	2–IN
I–19.0C SUPERPAVE ASPHALTIC BASE COURSE	–	2.5–IN	–
ABC–AGGREGATE BASE COURSE	8–IN	8–IN	8–IN
COMPACTED SUBGRADE			

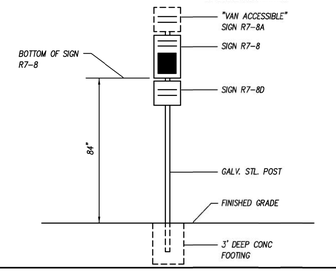
NOTES:

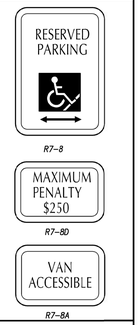
1. SEE SPECIFICATIONS FOR PROOFROLLING, COMPACTION & TESTING REQUIREMENTS. DETAIL IS FOR ON–SITE PAVING OPERATIONS ONLY.
2. THE CONTRACTOR MAY CHOOSE TO INSTALL INTERMEDIATE COURSES OF PAVEMENT TO STABILIZE THE SITE DURING CONSTRUCTION AT NO ADDITIONAL COST.
3. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ADEQUATE THICKNESS REQUIRED FOR INTERMEDIATE PAVING. INCREASES IN THE DESIGN PAVEMENT SECTION TO FACILITATE INTERMEDIATE PAVING SHALL BE PROVIDED AT NO ADDITIONAL COST.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGES TO SUBGRADE, INSTALLED BASE COURSE AND/OR INTERMEDIATE PAVING PRIOR TO PLACING SUBSEQUENT PAVEMENT LIFTS AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING PAVEMENT DURING ALL PHASES OF WORK. THE FINAL SURFACE OF PAVEMENT SHALL BE FREE OF ALL DEFECTS OR DAMAGE.

ASPHALT PAVEMENT N.T.S.

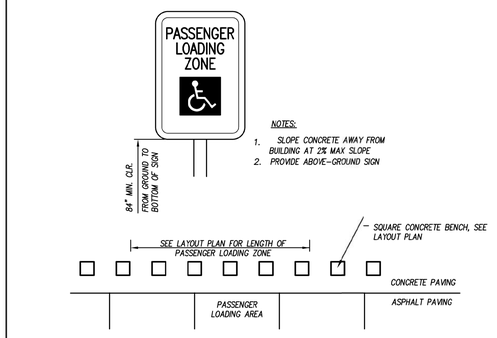
ALL SIGNS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SPECIFICATIONS AND REQUIREMENTS.

NOTE: MAXIMUM PENALTY SHALL BE PER LATEST FINE AMOUNT AS SPECIFIED BY LOCAL AUTHORITIES.

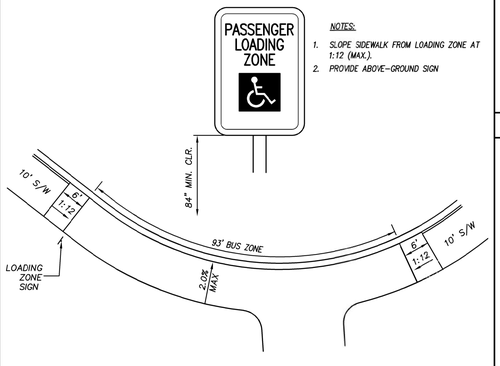




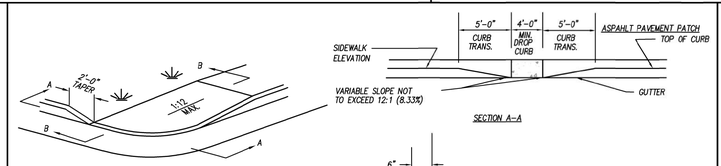
ACCESSIBLE PARKING SIGNAGE N.T.S.

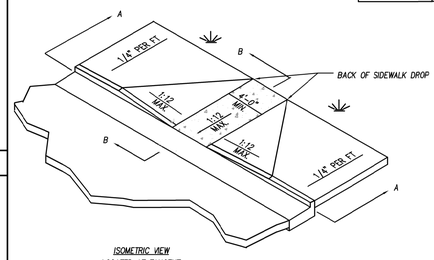


PASSENGER LOADING ZONE N.T.S.

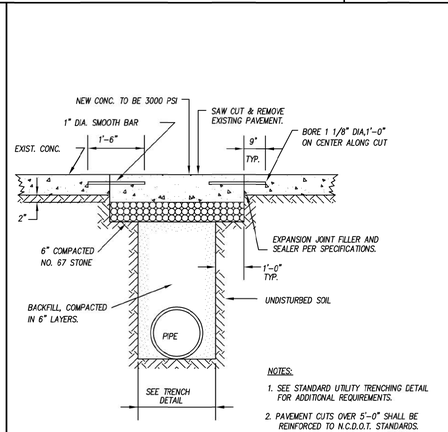


BUS LOADING ZONE N.T.S.





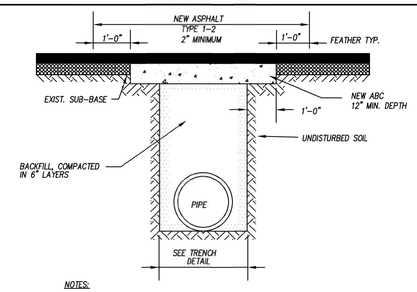
TYPICAL HANDICAP RAMP N.T.S.



NOTES:

1. SEE STANDARD UTILITY TRENCHING DETAIL FOR ADDITIONAL REQUIREMENTS.
2. PAVEMENT CUTS OVER 5'–0" SHALL BE REINFORCED TO N.C.D.O.T. STANDARDS.

CONCRETE PAVEMENT PATCH



NOTES:

1. THE PAVEMENT CUT SHALL BE DEFINED BY A STRAIGHT EDGE PREFERABLY A MACHINE SAW CUT.
2. THE TRENCH SUBGRADE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO A DENSITY OF AT LEAST 95% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T–99 AS MODIFIED BY NCDOT.
3. THE FINAL 12 INCHES OF FILL SHALL CONSIST OF ABC MATERIAL COMPACTED TO A DENSITY EQUAL TO 100% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T–80 AS MODIFIED BY NCDOT.
4. THE ENTIRE THICKNESS/VERITCAL EDGE OF CUT SHALL BE TACKED. APPLY PER SPECIFICATIONS.
5. THE SAME DEPTH OF PAVEMENT MATERIAL WHICH EXISTS SHALL BE REINSTALLED BUT IN NO CASE SHALL THE ASPHALT BE LESS THAN 2" THICK.
6. THE ASPHALT PAVEMENT MATERIAL SHALL BE INSTALLED AND COMPACTED THOROUGHLY TO ACHIEVE A SMOOTH LEVEL PATCH.
7. SEE STANDARD UTILITY TRENCHING DETAIL FOR ADDITIONAL REQUIREMENTS.

STANDARD PAVEMENT REPAIR DETAIL N.T.S.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919) 319–5716
Fax: (919) 319–7516
LA: C–106
PE: C–1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

DETAILS

C7.05

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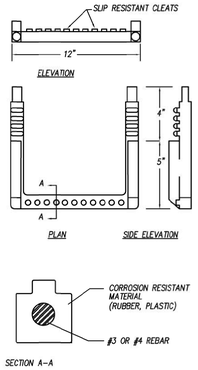
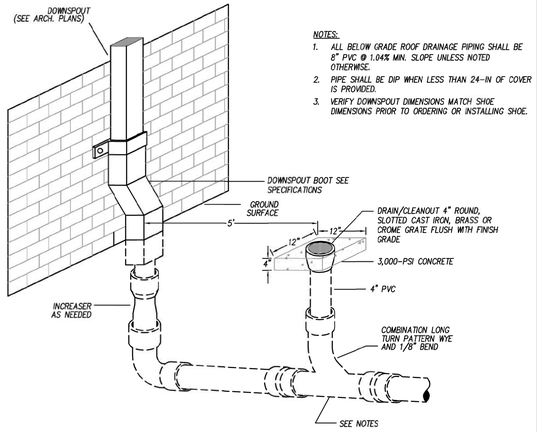
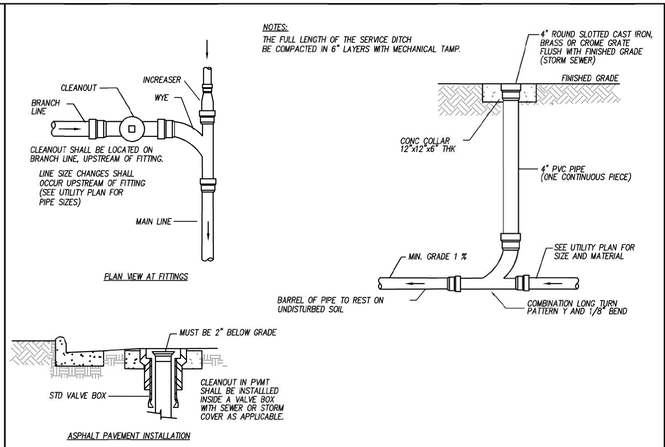


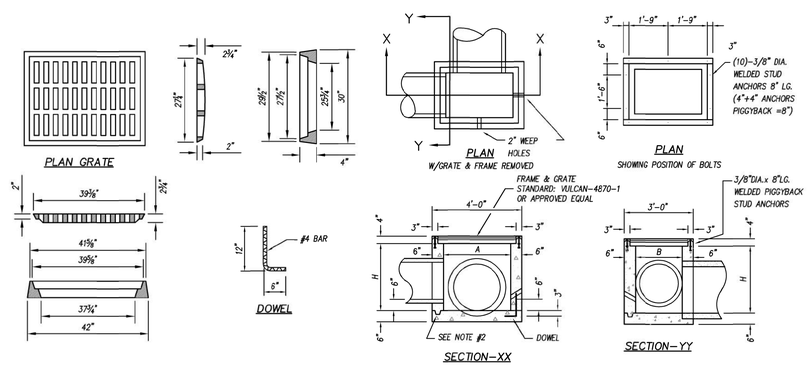
DRAINAGE STRUCTURE STEPS NTS



DOWNSPOUT CONNECTION NTS



STANDARD ROOF DRAIN CLEANOUT NTS



DIMENSIONS FOR DROP INLET			
DIMENSIONS OF BOX & PIPE			
PIPE	SPAN	WIDTH	HEIGHT
D	A	B	H
12"	3'-0"	2'-0"	2'-8"
15"			3'-0"
18"			3'-5"
24"			4'-0"
30"	3'-0"	2'-0"	4'-3"

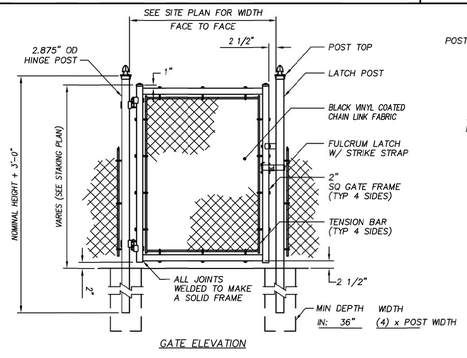
DIMENSIONS FOR CHANNELS			
NO.	SIZE	LENGTH	TOTAL LIN. FT.
2	3"x4.1"	4'-0"	8'-0"
2	3"x4.1"	2'-6"	5'-0"

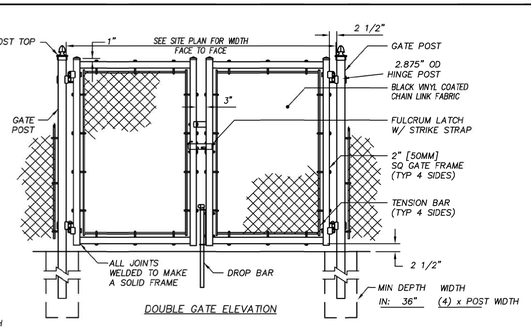
GENERAL NOTES:
1. 3,000-psi CONCRETE TO BE USED THROUGHOUT.
2. OPTIONAL CONSTRUCTION – MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTER, AS DIRECTED BY THE DESIGNER.
3. TWO 2" PIPE WEEP HOLES TO BE PLACED AS DIRECTED BY DESIGNER.
4. FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
5. IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD TO BASE AS SHOWN ON N.C.D.O.T. STANDARD 840.00.
6. A STONE DRAIN CONSISTING OF 1 CUBIC FOOT OF NO. 78M STONE CONTAINED IN A BAG OF POROUS FABRIC SHALL BE PLACED AT EACH WEEP HOLE.
7. ALL DROP INLETS OVER 3'-6" IN DEPTH TO BE PROVIDED WITH STEPS 1'-2" ON CENTERS. STEPS SHALL BE IN ACCORDANCE WITH N.C.D.O.T. STANDARD 840.66.

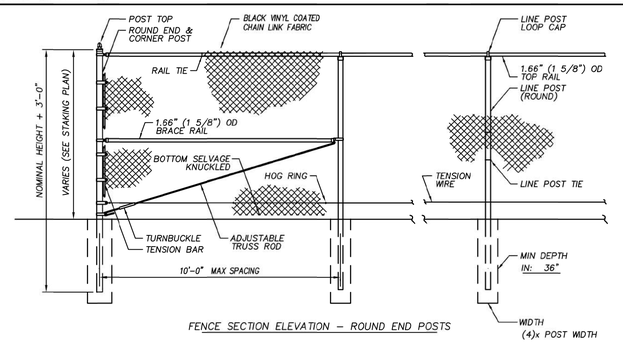
STANDARD DROP INLET NTS

END & CORNER POST TOP	TOP & BOTTOM FABRIC
DOME	KNUCKLE

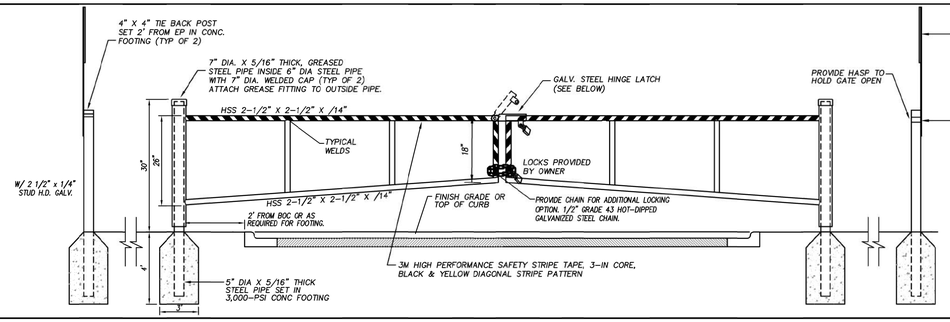
NOTES:
1. FENCE FABRIC SHALL BE SECURED TO GATE FRAMES WITH KNUCKLED SELVAGE ALONG ALL EDGES FOR ALL TYPES OF CHAIN LINK FENCE INSTALLATIONS.
2. BOLTS ON ALL FENCE SHALL BE CUT FLUSH WITH NUT. NO SHARP PROTRUDING EDGES SHALL BE ALLOWED IN THE DIRECTION OF CHILD PLAY AREAS.
3. ALL CONCRETE FOOTINGS AROUND POSTS AT GROUND LINE SHALL BE MOUNDED AND SLOPED FOR POSITIVE DRAINAGE.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.







CHAIN LINK FENCE AND GATE NTS



PAINTING SPECIFICATIONS:
1. MANUFACTURER: TNEMEC COMPANY, INC.; CARY, NC (919-859-3737)
2. SYSTEM TYPE: EPOXY-POLYURETHANE
3. SURFACE PREPARATION: SSPV-SPI AND BRUSH OFF BLAST CLEAN
4. PRIMER: SERIES 27 (FIELD-COATED) TYPOXY OR 69 HI-BUILD EPOXOLINE
5. FINISH PAINT: SERIES 73 ENDURA-SHIELD, SEMI-GLOSS, COLOR = SAFETY YELLOW
6. PROVIDE KNOX BOX/KNOX LOCK REQUIRED BY TOWN OF CERRO GORDO/COLUMBUS COUNTY FIRE MARSHALL. INSTALL AS DIRECTED.

NOTES:
1. ALL STEEL SHALL BE HOT-DIPPED GALVANIZED
2. SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND ASSEMBLY.
3. ENSURE GATE LEAFS ARE PROPERLY SPACED SO LOCKING FLANGES ON HINGE LATCH ASSEMBLY ALIGN.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE REQUIRED FENCE LENGTHS BASED ON EXISTING CONDITIONS.

12"
SECURE OPEN GATE TO POST
18"

SIGN NOTES:
1. WHITE SIGN WITH BLACK LETTERS.
2. SIGN TO BE BOLTED ON U-POST.
3. SIGN TO FACE INWARD TOWARD ASPHALT/GATE.

PIPE GATE NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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Suite 120
Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

02.MARCH.2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

DETAILS
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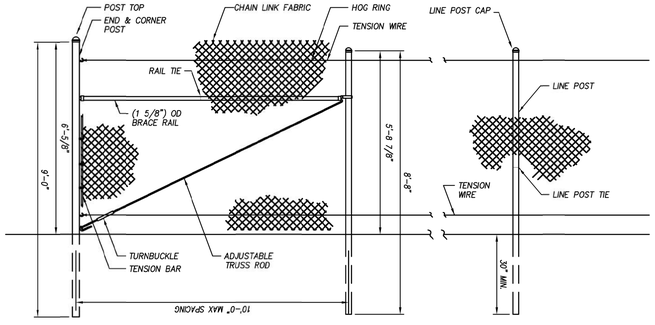
PERMANENT SEEDING SCHEDULE		
PLANTING PERIOD	TYPE	PLANTING RATE
APRIL 15 – JULY 15**	HULLED SUNSTAR OR RIVERA BERMUDA	85 LBS / ACRE*
JULY 15 – AUG. 15	SUNSTAR OR RIVERA BERMUDA SPRIGS	5 BUSHELS / 1,000 SF
AUG. 15 – APRIL 15	TEMPORARY SEEDING APPLIES**	
* OR AS REQUIRED TO ACHIEVE 95% COVERAGE AS DETERMINED ON A PER SQUARE YARD BASIS PRIOR TO SUBSTANTIAL COMPLETION.		
** WHEN SEEDING MUST TAKE PLACE OUT-OF-SEASON FOR PERMANENT GRASS, APPROPRIATE TEMPORARY SEEDING SHALL BE DONE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMANENT SEEDING AS SPECIFIED IN SEASON AT NO ADDITIONAL COST TO THE OWNER.		
LAWN MAINTENANCE NOTES:		
1. SEE SPECIFICATION SECTION 329000 FOR LAWN MAINTENANCE REQUIREMENTS. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR LAWN MAINTENANCE UNTIL FINAL COMPLETION. 3. LAWN MUST BE AT 95% COVERAGE AT SUBSTANTIAL COMPLETION REVIEW TO BE ACCEPTED. 4. IF NOT AT 95% COVERAGE AT SUBSTANTIAL COMPLETION REVIEW TO BE ACCEPTED. 5. IF NOT AT 95% COVERAGE SUBSTANTIAL COMPLETION WILL BE DELAYED UNTIL THE FOLLOWING GROWING SEASON. 6. DO NOT ALLOW NURSE CROP TO GROW OVER 12" IN HEIGHT, OTHERWISE THE PERMANENT SEEDING WILL BE SHADED OUT.		
SUBSTANTIAL COMPLETION NOTES (GRASS):		
CONTRACTOR SHALL BE RESPONSIBLE FOR LAWN MAINTENANE AND WATERING UNTIL SUBSTANTIAL COMPLETION. LAWN/TURF SHALL BE CONSIDERED SUBSTANTIALLY COMPLETE WHEN GRASS ESTABLISHMENT IS AT A MIN. 95% COVERAGE AND THE SURFACE COMPLIES WITH THE SLOPE, SMOOTHNESS AND OTHER SPECIFIED TOLERANCES. IF THE MINIMUM REQUIREMENTS ARE NOT MET, SUBSTANTIAL COMPLETION WILL BE DELAYED UNTIL THE MINIMUM REQUIREMENTS ARE MET (POSSIBLY INTO THE FOLLOWING GROWING SEASON). THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR WATERING AND MAINTENANCE OF THE GRASS UNTIL SUBSTANTIAL COMPLETION IS REACHED. SEE SPECIFICATIONS FOR FURTHER INFORMATION.		

PERMANENT SEEDING SCHEDULE– BERMUDA SEED

PLANTING PERIOD	TYPE	PLANTING RATE
AUGUST 15 – FEBRUARY 1	TALL FESCUE AND WINTER RYE (GRAIN)	70 LBS / ACRE 25 LBS / ACRE
APRIL 1 – AUGUST 15	TALL FESCUE AND GERMAN MILLET (SMALL STEMMED VARIETY)*** OR SUDANGRASS	120 LBS / ACRE 25 LBS / ACRE 30 LBS / ACRE
*** TEMPORARY – RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" HEIGHT BEFORE MOWING.		
NOTES:		
PERMANENT OR TEMPORARY GROUND COVER SHALL BE PROVIDED OVER ALL DISTURBED AREAS OF THE SITE AS SOON AS POSSIBLE, HOWEVER, NO LATER THAN 30 DAYS AFTER CONSTRUCTION ACCTIVITES HAVE PERMANENTLY OR TEMPORARILY CEASED DURING ANY PHASE OF WORK.		
TEMPORARY OR PERMANENT GROUND COVER SHALL BE PROVIDED ON ALL SLOPES WITHIN 15 WORKING DAYS OR 30 CALENDAR DAYS AFTER CONSTRUCTION ACTIVITES PERMANENTLY OR TEMPORARILY CEASE.		
CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.		
ALL SLOPES 3:1 OR STEEPER TO HAVE BIODEGRADABLE EROSION CONTROL MATTING INSTALLED.		

TEMPORARY SEEDING SCHEDULE

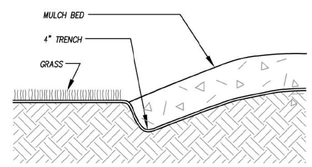


FENCE ELEVATION

NOTES:

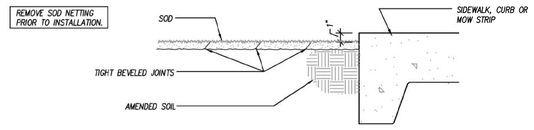
1. STEEL CHAIN-LINK FENCE FABRIC: MAXIMUM 2-1/4" MESH, MINIMUM 0.106" DIAMETER (#12 GAUGE).
2. END/CORNER POSTS: 2.875" OUTSIDE DIAMETER STEAL PIPE.
3. LINE POSTS: 2.375" OUTSIDE DIAMTER STEEL PIPE.
4. TENSION WIRE: 7 GAUGE COATED COIL SPRING TENSION WIRE. WIRE TIES: TIE FABRIC TO RAILS & BRACES 24" ON CENTER. TO TIE FABRIC TO TENSION WIRE, USE HOG RINGS SPACED 24" ON CENTER.
5. DRIVE POSTS DIRECTLY INTO FIRM GROUND. CONCRETE FOOTINGS SHALL BE UTILIZED AS NEEDED TO STABILIZE POSTS. STABILITY OF POSTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO ENSURE SAFE BARRIER.

TEMPORARY CONSTRUCTION FENCE NTS



TO BE APPLIED TO ALL PLANTING BEDS

MULCH BED DETAIL NTS



SOD INSTALLATION

SOD INSTALLATION DETAIL NTS

1. LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLAN.
2. VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
3. CONTACT THE LANDSCAPE ARCHITECT FOR INSPECTION 48 HOURS IN ADVANCE OF THE SCHEDULED SITE VISIT AND AT THE FOLLOWING INTERVALS:
   - REVIEW OF GRADING PRIOR TO PLANT AND LAWN INSTALLATION
   - REVIEW OF PLANT MATERIAL PRIOR TO INSTALLATION.
   - ONE SUBSTANTIAL COMPLETION MEETING FOR PLANT INSTALLATION.
   - ONE FINAL INSPECTION FOR ALL SEEDING/PLANTING OPERATIONS.
4. ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE WRITTEN SPECIFICATIONS.
5. ESTABLISH POSITIVE DRAINAGE IN ALL PLANTING BEDS AND AWAY FROM BUILDING.
6. APPLY PRE-EMERGENT HERBICIDE TO ALL NEW PLANTING BEDS AT MANUFACTURER'S RECOMMENDED RATE PRIOR TO INSTALLATION OF PLANT MATERIAL.
7. DO NOT INSTALL PLANT MATERIAL IN IMPERVIOUS SOILS (i.e. HOLES WHICH WHEN FILLED WITH WATER, DO NOT COMPLETELY DRAIN WITHIN TWO HOURS).
8. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ALL PLANTS AND LAWN AREAS AT HIS COST FROM HIS OWN WATER SOURCE INCLUDING DURING PERIODS OF DROUGHT UNTIL FINAL COMPLETION. ANY WATERING OR MAINTENANCE REQUIRED AFTER FINAL COMPLETION SHALL BE AT OWNER'S COST.
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL EQUIPMENT & SUBCONTRACTORS AWAY FROM SEEDED AREAS. IF DAMAGE OCCURS, THROUGH NO FAULT OF THE OWNER, AREAS SHALL BE REGRADED AND RESEEDED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL WATER AND MAINTAIN THOSE AREAS UNTIL THEY ARE AT 95% COVERAGE AT SUBSTANTIAL COMPLETION.
10. SUBSTITUTIONS OF PLANT MATERIAL SHALL ONLY BE ACCEPTED 60 DAYS PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS. SUBSTITUTION REQUESTS MUST BE IN WRITING AND WILL ONLY BE ACCEPTED FOR LACK OF AVAILABILITY REASONS WHICH CAN BE SUBSTANTIATED OR FOR SUPERIOR STOCK SUBSTITUTIONS.

SEEDING

11. GENERAL LAWN AREAS SHALL BE SEEDED WITH SUNSTAR/RIVIERA BERMUDAGRASS OR APPROVED EQUAL.
12. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT TO REVIEW GRADING ONE WEEK PRIOR TO SEEDING; IF THE LANDSCAPE CONTRACTOR AND LANDSCAPE ARCHITECT FIND GRADING UNACCEPTABLE FOR FINAL SEEDING, LANDSCAPE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE GENERAL CONTRACTOR. LANDSCAPE CONTRACTOR SHALL NOT PROCEED WITHOUT APPROVAL BY LANDSCAPE ARCHITECT.

LANDSCAPE NOTES

1. CHISEL ALL CUT GRADED OR COMPACTED AREAS TO A MINIMUM DEPTH OF 8".
2. DISC ALL AREAS TO RECEIVE GRASS TO A MINIMUM OF 8 INCHES, MIX AND AMEND WITH 3 INCHES OF WELL SCREENED TOPSOIL. ON-SITE TOPSOIL MAY BE USED IN PLACE OF IMPORTED TOPSOIL, IF WELL-SCREENED AND DRY PRIOR TO APPLICATION IN ACCORDANCE WITH SPECIFICATION SECTION 329000.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER, AND PHOSPHATE UNIFORMLY AS PER SPECIFICATIONS AND MIX WELL WITH SOIL.
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED TO A 6 INCHES DEPTH.
6. SEED AT RATE SPECIFIED OR AS NEEDED TO ACHIEVE AND MAINTAIN A THICK HEALTHY GROUND COVERAGE.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. BEGIN THOROUGH WATERING OF GRASSED AREAS IMMEDIATELY UPON INSTALLATION. DO NOT ALLOW GRASSED AREAS TO BECOME EXCESSIVELY DRY.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS NEEDED.
9. IF CONFLICTS OCCUR BETWEEN WRITTEN SPECIFICATIONS AND THE DRAWINGS, THE WRITTEN SPECIFICATIONS SHALL PREVAIL.

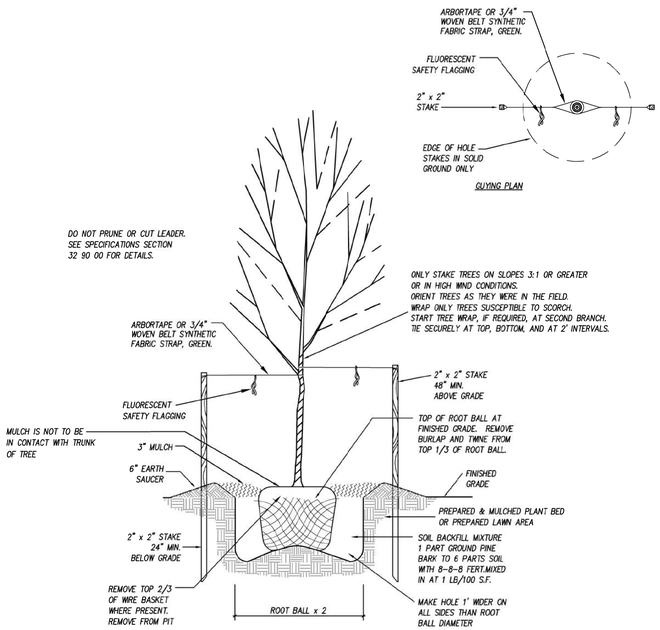
SEEDBED PREPARATION

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY A MINIMUM 3,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND A MINIMUM 500 LB/ACRE 10-10-10 FERTILIZER, AS NEEDED TO ESTABLISH 95% COVERAGE (AS DETERMINED ON A PER SQUARE YARD BASIS) PRIOR TO SUBSTANTIAL COMPLETION. CONTRACTOR TO SUBMIT A COPY OF ALL SOIL REPORTS TO OWNER UPON RECEIPT.

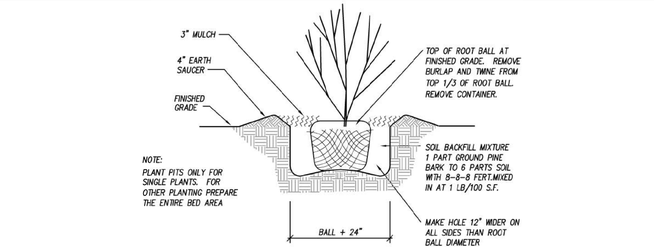
LIME & FERTILIZATION SCHEDULE

1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
3. USE EXCELSIOR MATTING OR OTHER APPROVED CHANNEL LINING MATERIAL TO COVER THE BOTTOM OF CHANNELS.
4. APPLY 4000 LB/ACRE(2 TONS LB/AC) GRAIN STRAW OVER SEEDED AREAS AND ANCHOR STRAW CRIMPING WITH HAND OR MECHANICAL CRIMPER 8" MAX. SPACING, ASPHALT TACKING OR OTHER APPROVED METHOD. ASPHALT TACKING SHALL BE 400 GAL/ACRE (9 GAL/1000 SF).
5. MULCH AND ANCHORING MATERIALS MUST NOT BE ALLOWED TO WASH DOWN SLOPES AND CLOG DRAINAGE DEVICES.

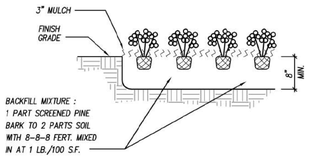
SURFACE STABILIZATION REQUIREMENTS



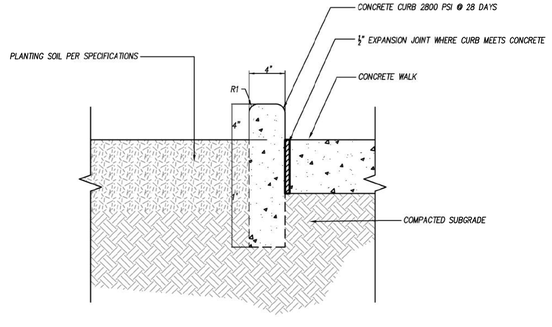
TREE PLANTING DETAIL NTS



TYPICAL SHRUB PLANTING DETAIL NTS



GROUND COVER PLANTING DETAIL NTS



PLANTER CURB NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

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NORTH CAROLINA PROFESSIONAL SEAL 23953 ENGINEER KENNETH A. LORING 3-02-2020

02.MARCH, 2020

NO.	DATE	DESCRIPTION
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18-144

BID AND CONSTRUCTION

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C7.07

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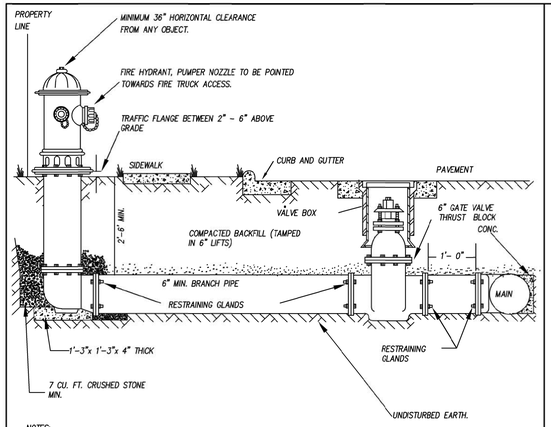
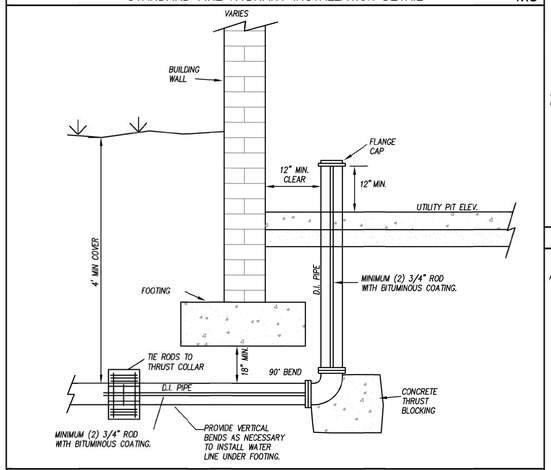
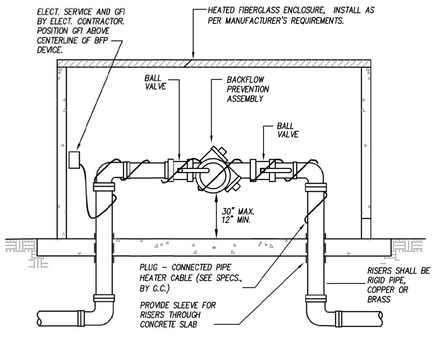


NOTES:
1. FIRE HYDRANT SHALL BE AS MANUFACTURED: MUELLER, AMERICAN DARLING, KENNEDY, M&H, WATEROUS, CLOW, EAST JORDAN IRON WORKS, OR US PIPE. VERIFY WITH LOCAL FIRE MARSHAL FOR PREFERRED MANUFACTURER.
2. BRANCH PIPE SHALL BE DUCTILE IRON AWWA C150-96
3. 6" GATE VALVE SHALL BE AWWA C500-86 OPEN LEFT
4. STEEL RODS AND BOLTS SHALL BE ¾" HOT DIPPED GALVANIZED
5. FIRE HYDRANTS WILL BE INSTALLED IN TRUE VERTICAL POSITION RODS SHALL NOT BE COUPLED MORE THAN ONCE. IF THE LENGTH FROM THE VALVE TO THE HYDRANT EXCEEDS 20' THEN A MECHANICAL RESTRAINING GLAND WITH A REBAR CAGE SHALL BE INSTALLED NO MORE THAN 10' FROM HYDRANT AND POURED IN CONCRETE. FIRE HYDRANTS TO BE LOCATED IN ROW OR 2 FOOT EASEMENT ADJACENT TO ROW

STANDARD FIRE HYDRANT INSTALLATION DETAIL NTS

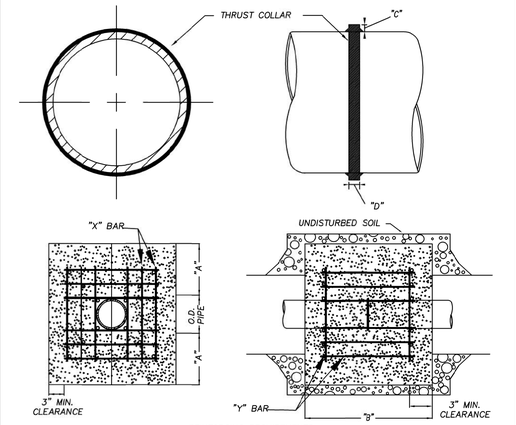


STANDARD FIRE SERVICE INSTALLATION AT BUILDING NTS



NOTES:
1. REDUCED PRESSURE ASSEMBLY SHALL BE FEBCO-WATTS MODEL LF880V OR APPROVED EQUAL.
2. ALL BACKFLOW PREVENTERS SHALL BE AS APPROVED BY COLUMBUS COUNTY/TOWN OF CERRO GORDO.
3. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS OF BACKFLOW PREVENTER, VALVES, ENCLOSURE, ETC.
4. HEATER AND POWER CORD BY G.C., SEE SPECIFICATIONS INSTALL PER MANUFACTURES INSTRUCTIONS.

REDUCED PRESSURE ASSEMBLY IN HEATED ENCLOSURE NTS



REINFORCING REQUIREMENTS

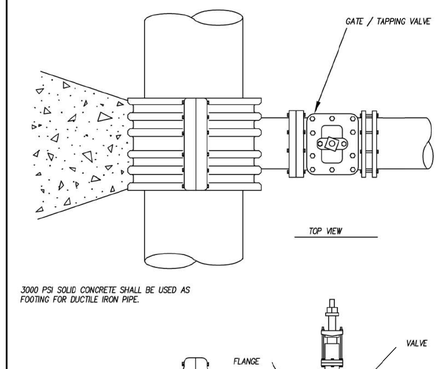
I.D. PIPE	REBAR SIZE	"X" BAR LENGTH	"X" BAR WEIGHT	"Y" BAR LENGTH	"Y" BAR WEIGHT	NO. REQUIRED
6" – 36"	#5	3'-2"± O.D. PIPE	1.043 LBS/FT	1'-1"	1.1 LBS. EACH	X=24, Y=12
48" & greater	#6	3'-0"± O.D. PIPE	1.502 LBS/FT	1'-3"	1.9 LBS. EACH	X=24, Y=12

THRUST COLLAR, AND THRUST SCHEDULE

I.D. PIPE	"A"	"B"	"C"	"D"
6" – 16"	1'-4"	1'-7"	2"	3/8"
20" – 24"	1'-4"	1'-7"	3"	1/2"
30" – 36"	1'-4"	1'-7"	4"	5/8"
48" & greater	1'-8"	1'-9"	6"	7/8"

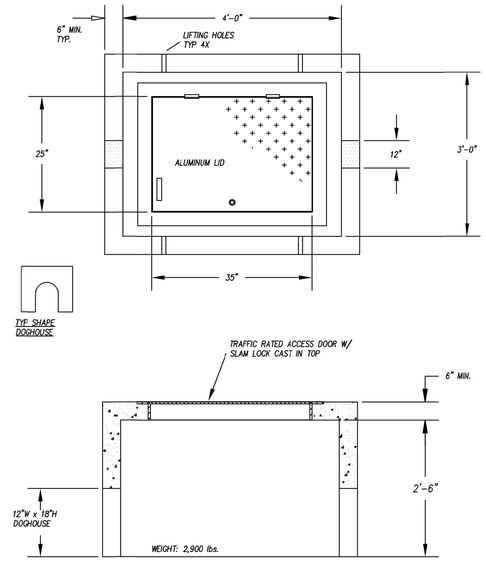
NOTES:
1. SEE STANDARD DETAIL W-9 FOR THRUST BLOCK LOCATIONS.
2. CONCRETE SHALL BE 3000 PSI AND TRANSIT MIXED.
3. REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
4. TRENCH BOTTOM WIDTH IN VICINITY OF THRUST BLOCK INSTALLATION SHALL BE THE MINIMUM WIDTH AS SHOWN ON STANDARD DETAIL.
5. BACKFILL TAMPED IN 6" LIFTS PER STANDARD DETAIL.
6. THRUST COLLAR MUST BE FACTORY WELDED ON BOTH SIDES ALONG BOTH EDGES OF COLLAR AROUND CIRCUMFERENCE.

THRUST BLOCKING DESIGN DATA FOR WATER MAINS NTS



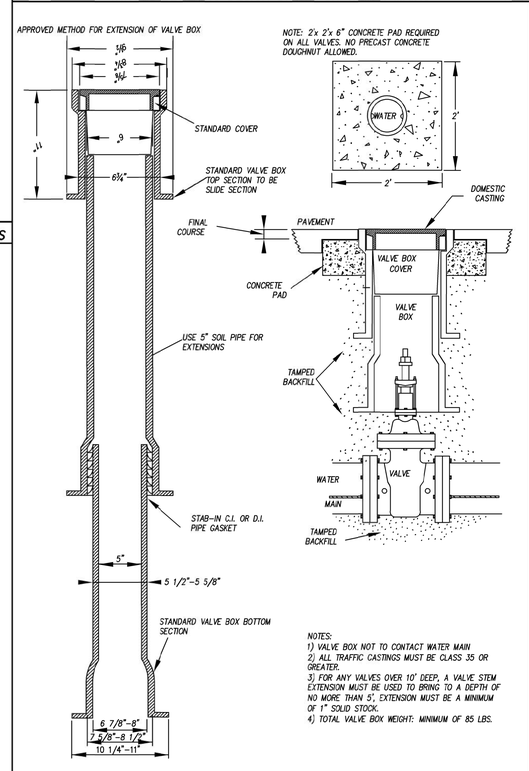
NOTES:
1. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT FITTINGS.
2. SEE STANDARD REACTION BLOCK TABLES FOR AREA OF CONCRETE REQUIRED.

4"–24" STANDARD TAPPING SLEEVE AND VALVE ASSEMBLY NTS



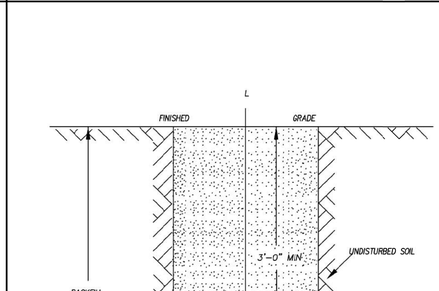
NOTES:
1) REINFORCEMENT: #4 @ 6" OCEW
2) CONCRETE: 4,000 PSI @ 28 DAYS
3) 6" OF #67 STONE SHALL BE PLACED IN BOTTOM OF VAULT
4) METER FLANGE SHALL BE PLACED 42 " BELOW FINISHED GRADE

TYPICAL 3" WATER METER VAULT NTS



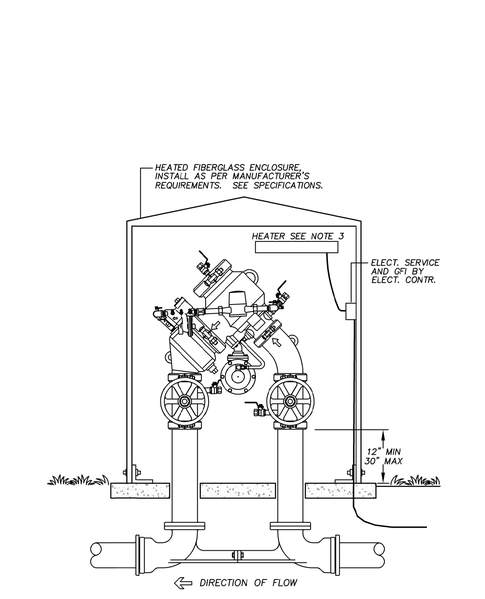
NOTES:
1) VALVE BOX NOT TO CONTACT WATER MAIN
2) ALL TRAFFIC CASTINGS MUST BE CLASS 35 OR GREATER.
3) FOR ANY VALVES OVER 10' DEEP, A VALVE STEM EXTENSION MUST BE USED TO BRING TO A DEPTH OF NO MORE THAN 5', EXTENSION MUST BE A MINIMUM OF 1" SOLID STOCK.
4) TOTAL VALVE BOX WEIGHT: MINIMUM OF 85 LBS.

VALVE BOX INSTALLATION AND EXTENSION DETAIL NTS



NOTES:
1. TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN BACKFILL.
3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
4. BACKFILL SHALL BE TAMPED IN 6" LIFTS.
5. ACHIEVE 95% COMPACTION IN BACKFILL.

TRENCH BOTTOM DIMENSIONS & BACKFILLING REQUIREMENTS FOR DUCTILE IRON NTS



NOTES:
1. REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) SHALL BE FEBCO MODEL LF880V OR APPROVED EQUAL. ALL BACKFLOW PREVENTERS SHALL BE AS LISTED AS APPROVED BY THE LOCAL GOVERNING AUTHORITY.
2. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS OF BACKFLOW PREVENTER, VALVES, ENCLOSURE, ETC.
3. HEATER AND POWER CORD BY G.C., SEE SPECIFICATIONS INSTALL PER MANUFACTURES INSTRUCTIONS.
4. PROVIDE PVC SLEEVES AT PIPE PENETRATIONS OF CONCRETE BASE SLAB.
5. PROVIDE TAMPER SWITCHES ON BOTH GATE VALVES.

REDUCED PRESSURE DETECTOR ASSEMBLY NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

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PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 CHRISTINE C. PHILLIPS 3-2-20

02.MARCH.2020

NO.	DATE	DESCRIPTION
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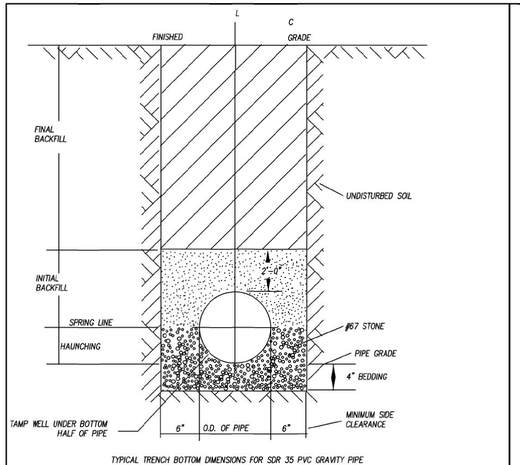
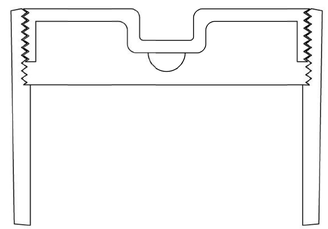


TYPICAL TRENCH BOTTOM DIMENSIONS FOR SDR 35 PVC GRAVITY PIPE

NOTES:
1. FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL.
3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
4. BACKFILL SHALL BE TAMPED IN 6" LIFTS IN TRAFFIC AREAS, 12" IN NON-TRAFFIC AREAS.

TRENCH BOTTOM DIMENSIONS AND BACKFILLING REQUIREMENTS FOR PVC GRAVITY SEWER MAIN NTS

STANDARD 4" BRONZE CLEANOUT PLUG

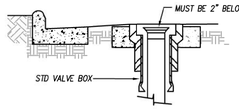


CLEANOUT FERRULE WITH PLUG

STYLES ACCEPTED:

INVERTED NUT
RAISED NUT

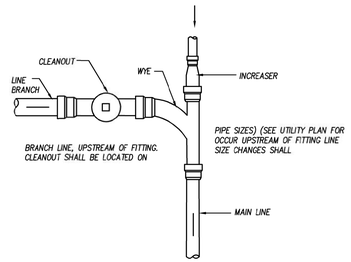
4" CLEANOUT PLUG NTS



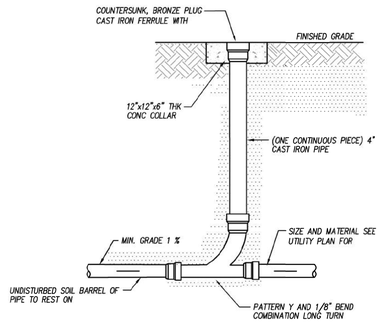
ASPHALT PAVEMENT INSTALLATION

COVER AS APPLICABLE.
WITH SEWER OR STORM
INSIDE A VALVE BOX SHALL
BE INSTALLED CLEANOUT IN
PVMT

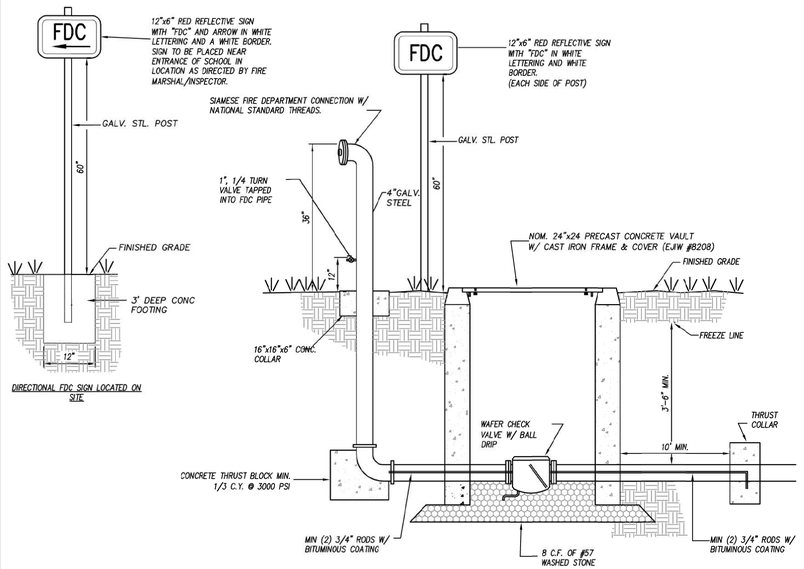
NOTES:
BE COMPACTED IN 6" LAYERS WITH MECHANICAL TAMP. THE FULL LENGTH OF THE SERVICE DITCH SHALL



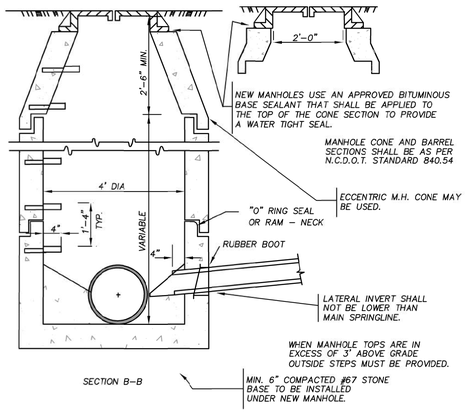
PLAN VIEW AT FITTINGS

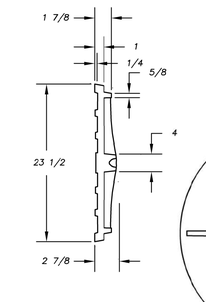


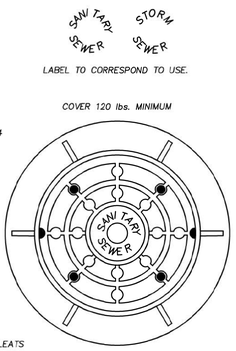
STANDARD CLEANOUT NTS

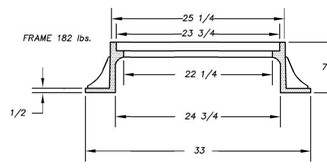


FIRE DEPARTMENT CONNECTION DETAIL NTS

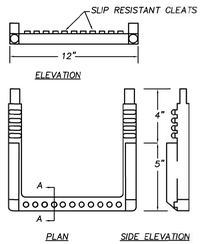


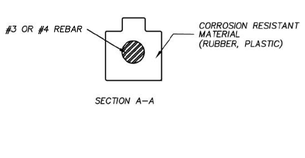






MEASUREMENTS IN INCHES





SECTION A-A

STANDARD PRE-CAST CONCRETE SANITARY SEWER MANHOLE NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
400 Regency Forest Drive
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Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 TERRENCE C. PREJEAN 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

DETAILS
C7.09

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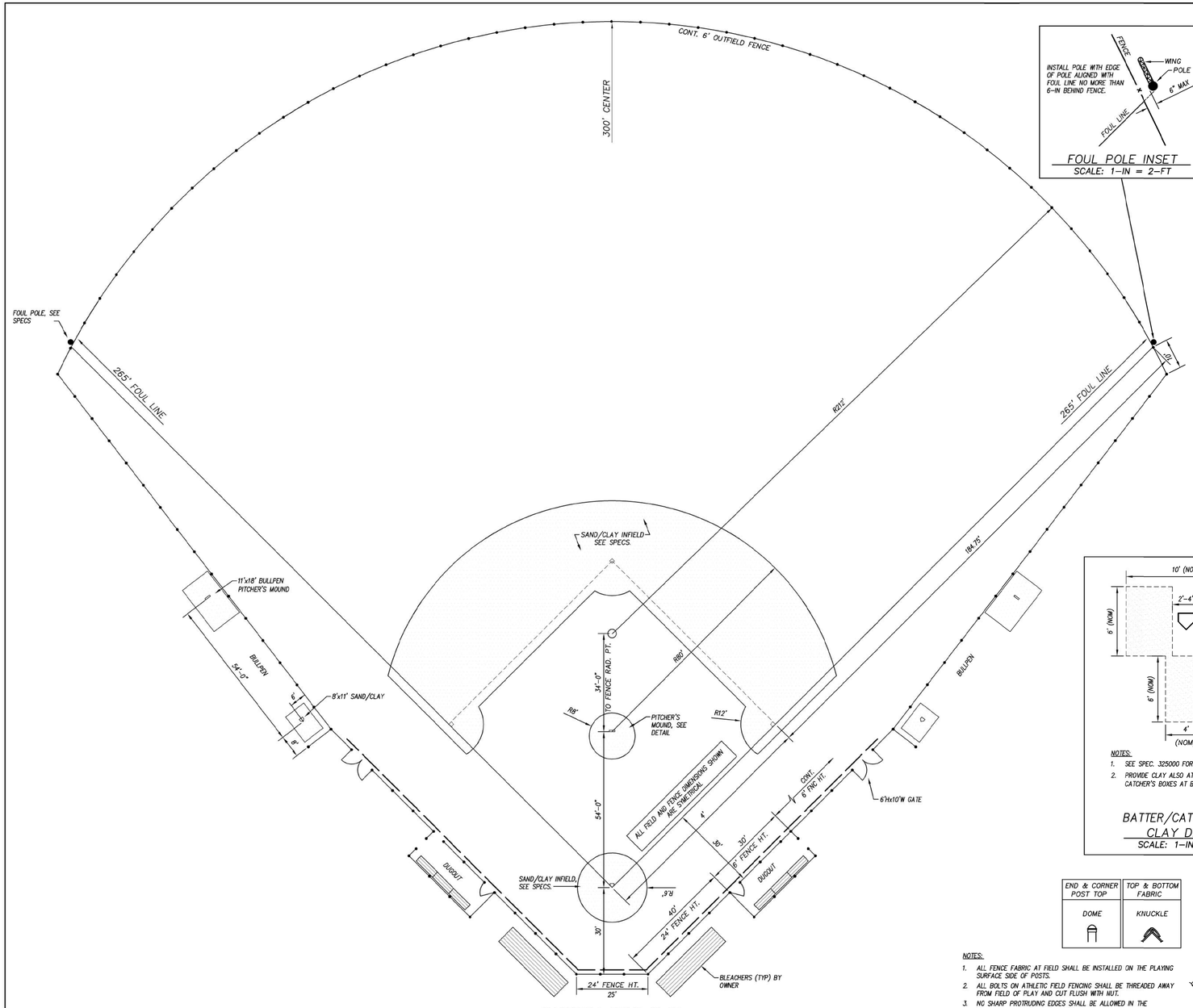
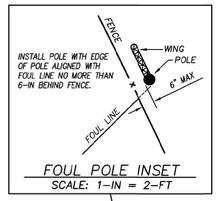
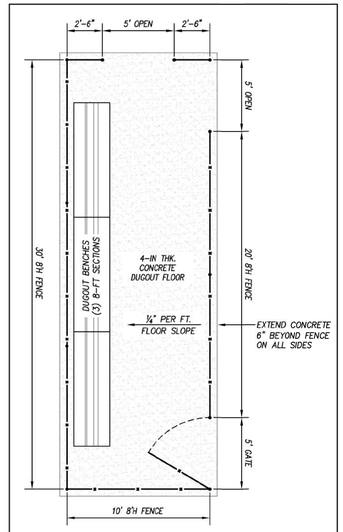


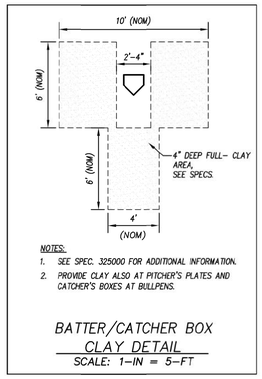
BASEBALL FIELD PLAN
SCALE: 1–IN = 20–FT



FOUL POLE INSET
SCALE: 1–IN = 2–FT

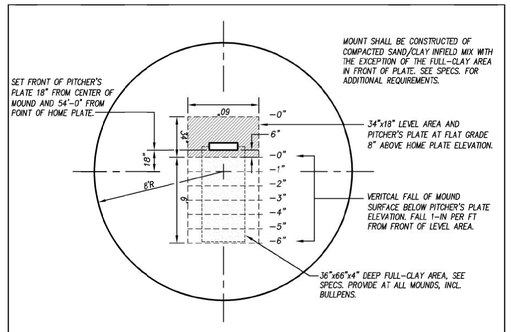


DUGOUT DETAIL
NOT TO SCALE



NOTES:
1. SEE SPEC. 325000 FOR ADDITIONAL INFORMATION.
2. PROVIDE CLAY ALSO AT PITCHER'S PLATES AND CATCHER'S BOXES AT BULLPENS.

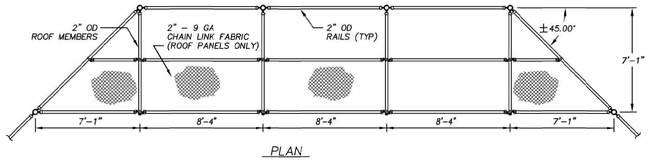
BATTER/CATCHER BOX CLAY DETAIL
SCALE: 1–IN = 5–FT



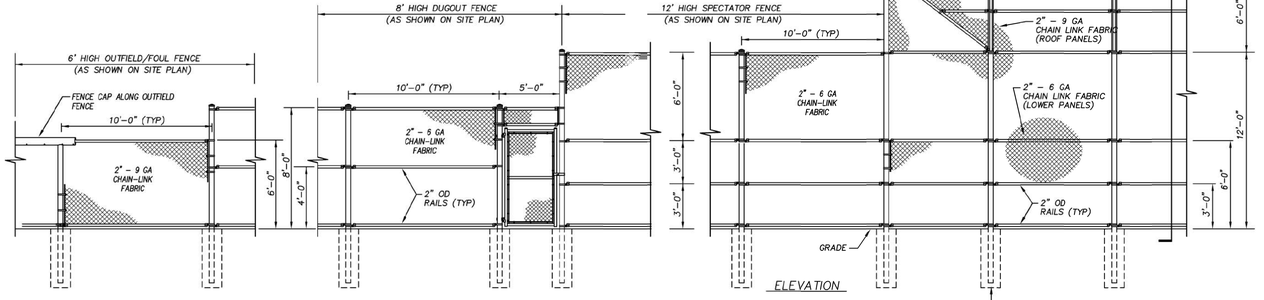
PITCHER'S MOUND DETAIL
SCALE: 1–IN = 5–FT

END & CORNER POST TOP	TOP & BOTTOM FABRIC
DOME	KNUCKLE

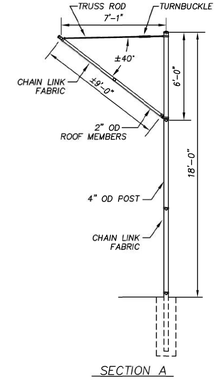
NOTES:
1. ALL FENCE FABRIC AT FIELD SHALL BE INSTALLED ON THE PLAYING SURFACE SIDE OF POSTS.
2. ALL BOLTS ON ATHLETIC FIELD FENCING SHALL BE THREADED AWAY FROM FIELD OF PLAY AND CUT FLUSH WITH NUT.
3. NO SHARP PROTRUDING EDGES SHALL BE ALLOWED IN THE DIRECTION OF THE FIELD OF PLAY.
4. ALL SELVAGE SHALL BE KNUCKLED.
5. SEE SPECIFICAITONS FOR ADDITIONAL REQUIREMENTS.



PLAN



ELEVATION



SECTION A

BASEBALL FIELD FENCE AND BACKSTOP
NOT TO SCALE

FOOTING WIDTH SHALL BE 4X POST WIDTH AND 36" MIN. DEPTH

BASEBALL FIELD DETAIL

NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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400 Regency Forest Drive
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Cary, North Carolina 27518
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Fax: (919) 319–7516
LA: C–106
PE: C–1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 CHRISTINE C. PHELPS 3-2-20

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

DETAILS
C7.10

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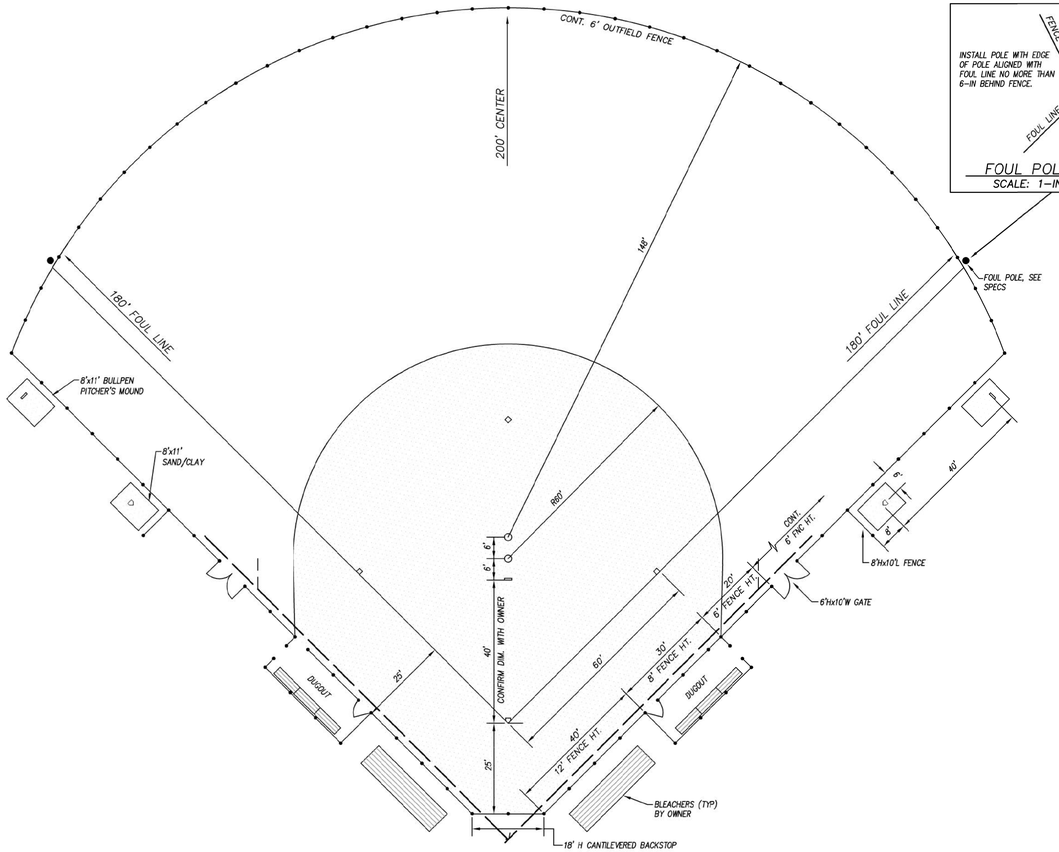
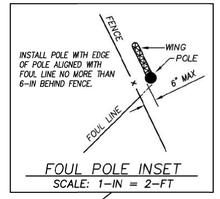
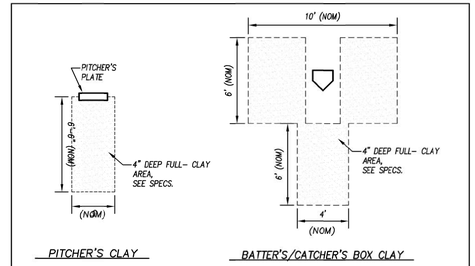




FOUL POLE INSET
SCALE: 1-IN = 2-FT



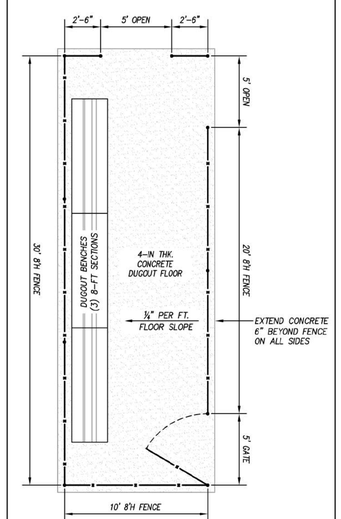
PITCHER'S CLAY

BATTER'S/CATCHER'S BOX CLAY

NOTES:
1. SEE SPEC. 325000 FOR ADDITIONAL INFORMATION.
2. PROVIDE CLAY ALSO AT EACH PITCHER'S PLATE AND CATCHER'S BOX AT BULLPENS.

PITCHER'S AND BATTER'S BOX CLAY DETAILS
SCALE: 1-IN = 5-FT

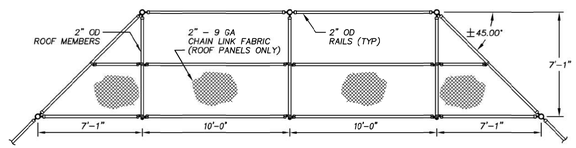
SOFTBALL FIELD PLAN
SCALE: 1-IN = 20-FT



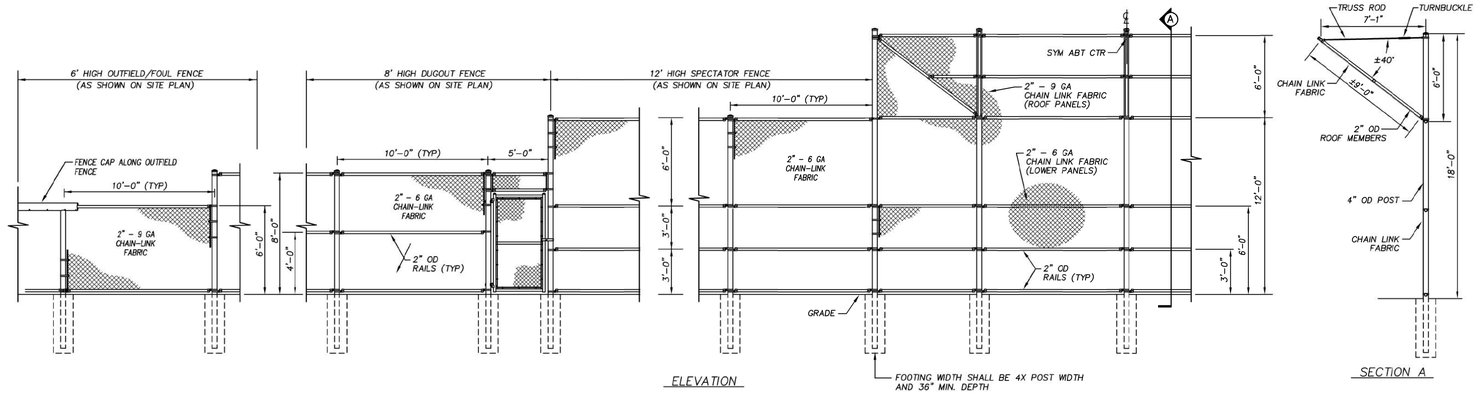
DUGOUT DETAIL
NOT TO SCALE

NOTES:
1. ALL FENCE FABRIC AT FIELD SHALL BE INSTALLED ON THE PLAYING SURFACE SIDE OF POSTS.
2. ALL BOLTS ON ATHLETIC FIELD FENCING SHALL BE THREADED AWAY FROM FIELD OF PLAY AND CUT FLUSH WITH NUT.
3. NO SHARP PROTRUDING EDGES SHALL BE ALLOWED IN THE DIRECTION OF THE FIELD OF PLAY.
4. ALL SELVAGE SHALL BE KNUCKLED.
5. SEE SPECIFICAITONS FOR ADDITIONAL REQUIREMENTS.

END & CORNER POST TOP	TOP & BOTTOM FABRIC
DOME	KNUCKLE



PLAN



ELEVATION

SECTION A

SOFTBALL FIELD FENCE AND BACKSTOP
NOT TO SCALE

SOFTBALL FIELD DETAIL

NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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LA: C-106
PE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JAMES C. PEELER 3-2-20

02.MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

DETAILS
C7.11

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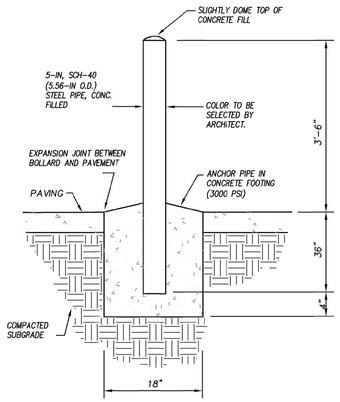
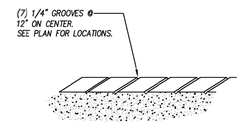


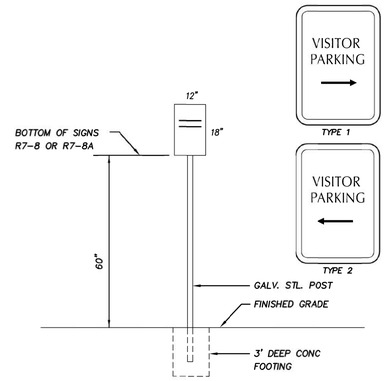
STEEL BOLLARD NTS



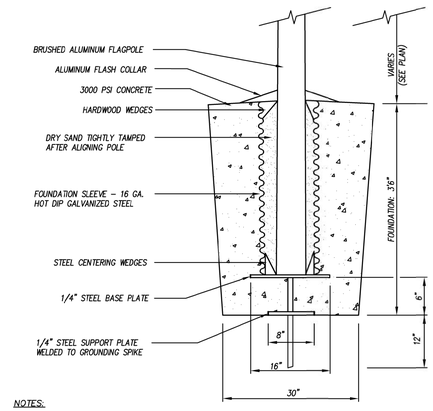
NOTES:

1. SURFACE SHALL BE BROOM FINISHED PERPENDICULAR TO TRAFFIC FLOW.
2. ALL EDGES AND CONTROL/EXPANSION JOINTS SHALL BE FORMED WITH APPROPRIATE GROOVER OR EDGER TOOL CREATING A SMOOTH FINISH PICTURE FRAME.
3. SIDEWALK SHALL BE CONSTRUCTED PER CONCRETE SIDEWALK DETAIL.

RUMBLE STRIPS FOR CONCRETE SIDEWALK IN PLAY AREAS NTS



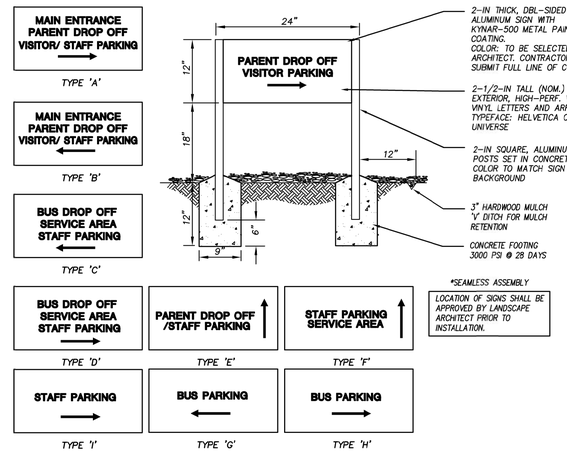
VISITOR PARKING SIGNAGE NTS



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

FLAG POLE NTS



SCHOOL DIRECTIONAL SIGNAGE NTS

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

CLH DESIGN, P.A.
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Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
FE: C-1595

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1566 JAMES C. PEELER 3-2-20

02 MARCH, 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

18-144

BID AND CONSTRUCTION

DETAILS
C7.12

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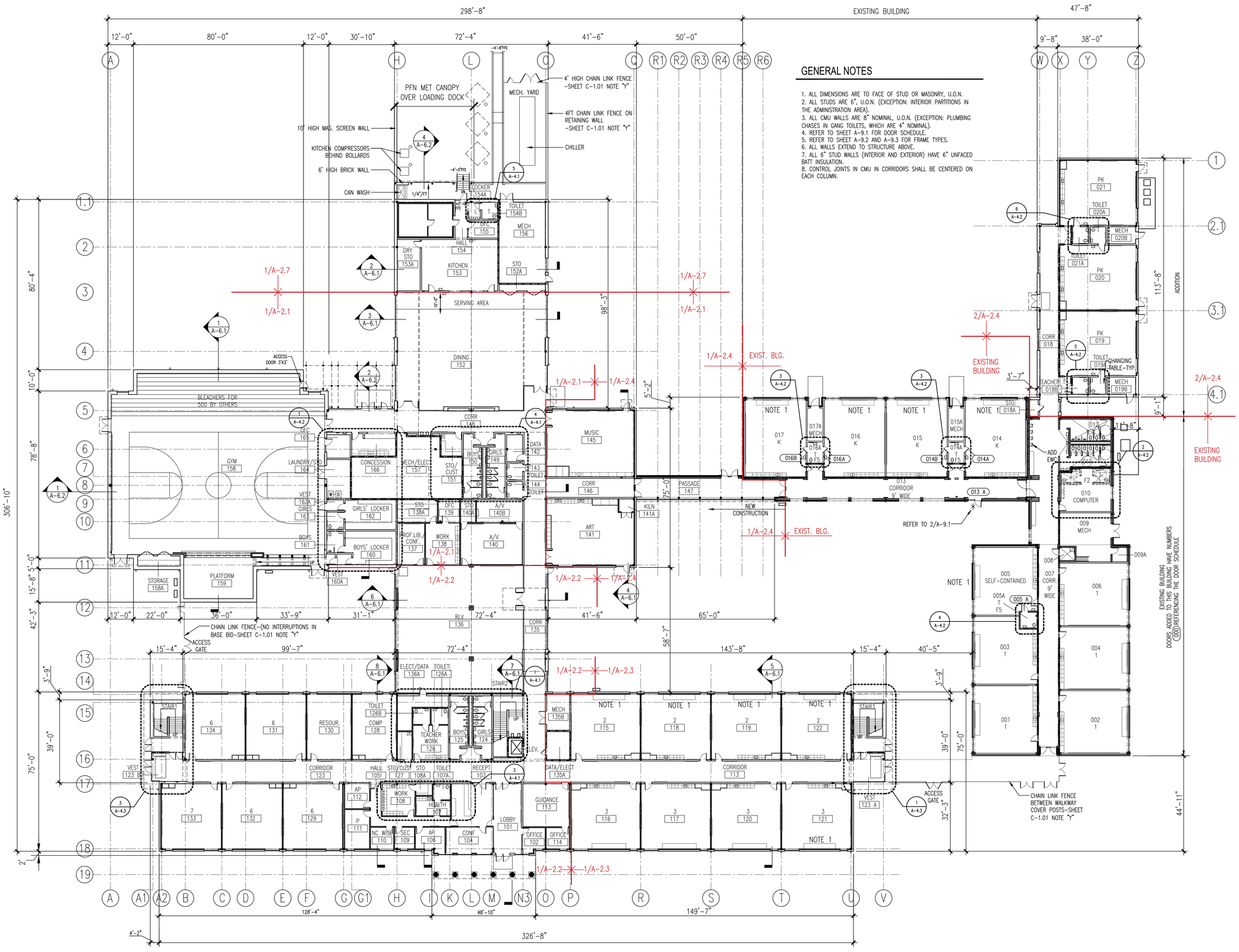


FIRST FLOOR PLAN
SCALE: 1/20" = 1'-0"

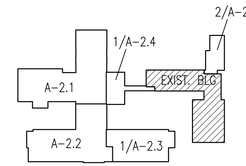
SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE 1: RELOCATE COMPUTER STATION



FIRST FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated ARCHITECTURE PLANNING INTERIORS 51679 NORTH CAROLINA LICENSED Chapel Hill, NC
DAVID H. CLINTON REGISTERED ARCHITECT 3671 NORTH CAROLINA LICENSED CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

FIRST FLOOR PLAN

BID AND CONSTRUCTION

A-1.1

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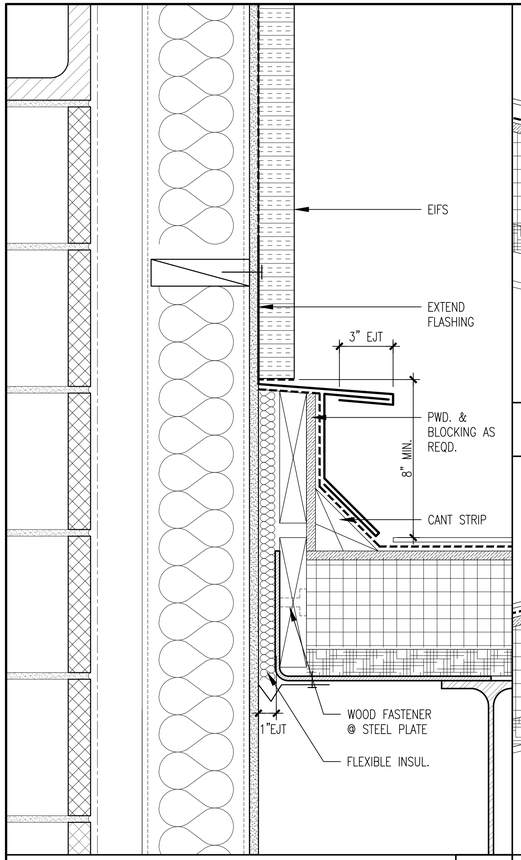
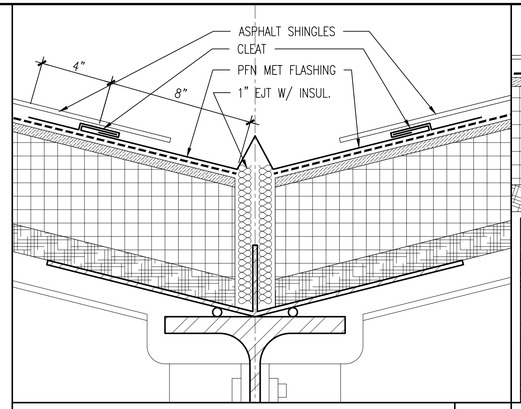
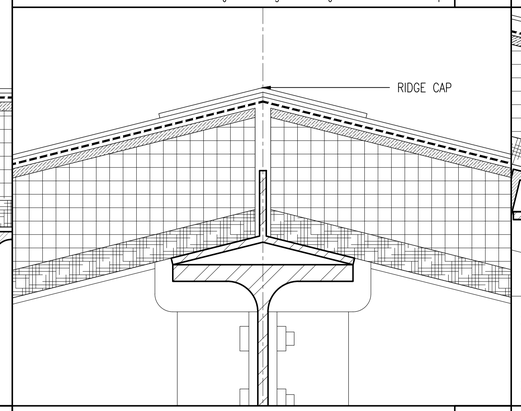


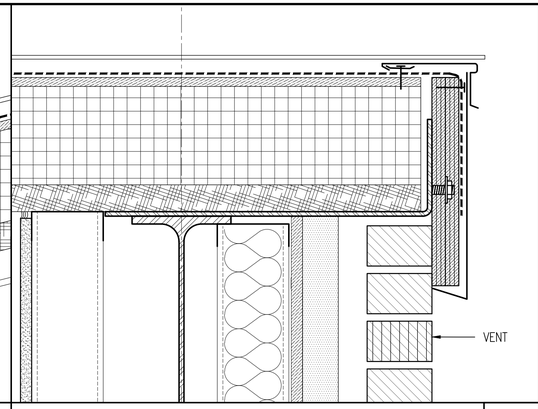
ROOF - TO - WALL EJT @ RLV — Scale: 3" = 1'-0" — 8



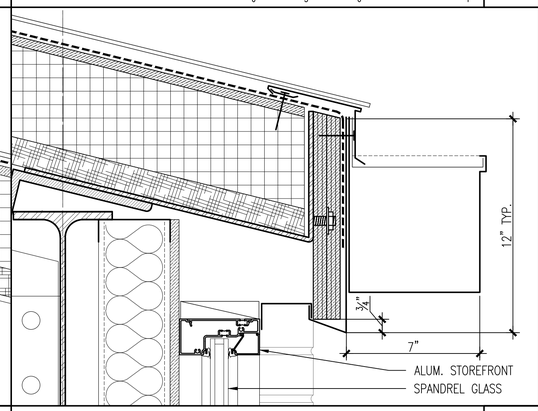
VALLEY — Scale: 3" = 1'-0" — 7



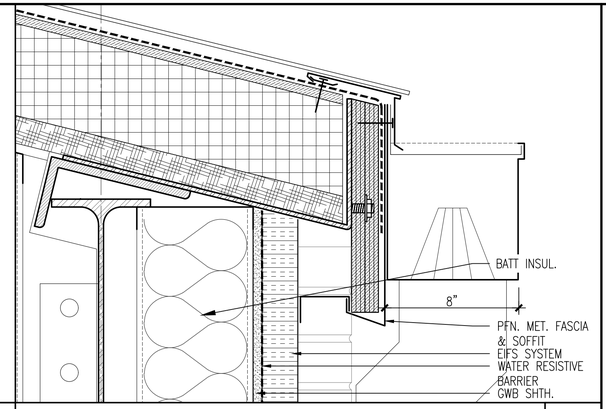
RIDGE — Scale: 3" = 1'-0" — 6



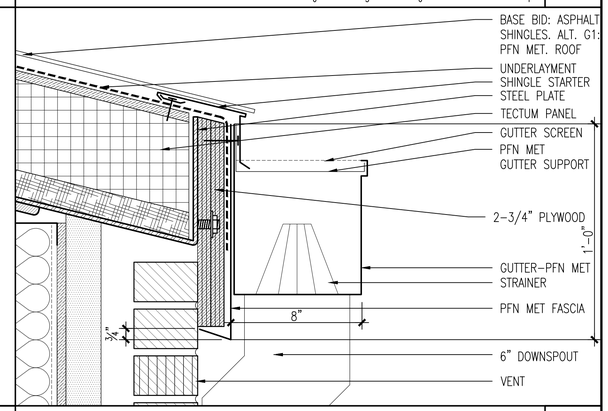
ROOF @ GABLE END — Scale: 3" = 1'-0" — 5



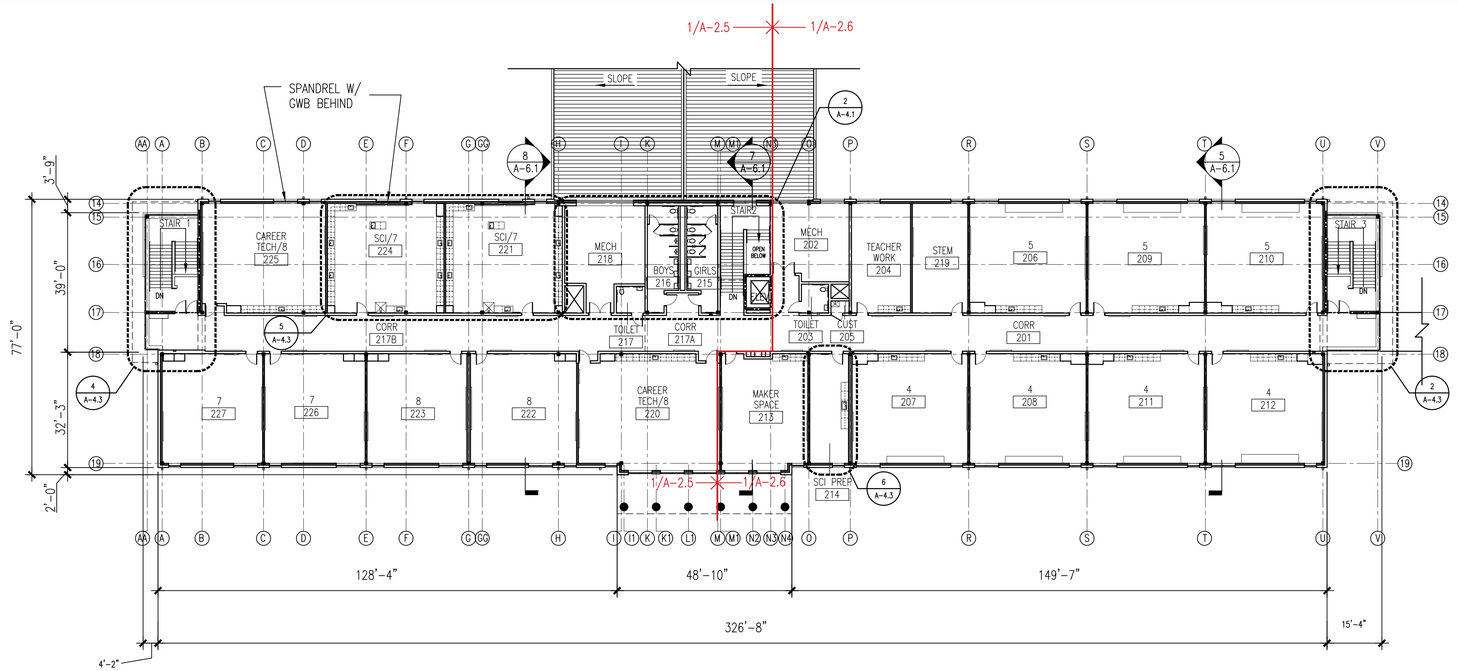
EAVE @ STOREFRONT — Scale: 3" = 1'-0" — 4



EAVE @ EIFS — Scale: 3" = 1'-0" — 3



EAVE @ BRICK — Scale: 3" = 1'-0" — 2



SECOND FLOOR PLAN — SCALE: 1/20" = 1'-0" — 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

1/A-2.5 | 1/A-2.6

SECOND FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — North Carolina — CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
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SECOND FLOOR PLAN

BID AND CONSTRUCTION

A-1.2

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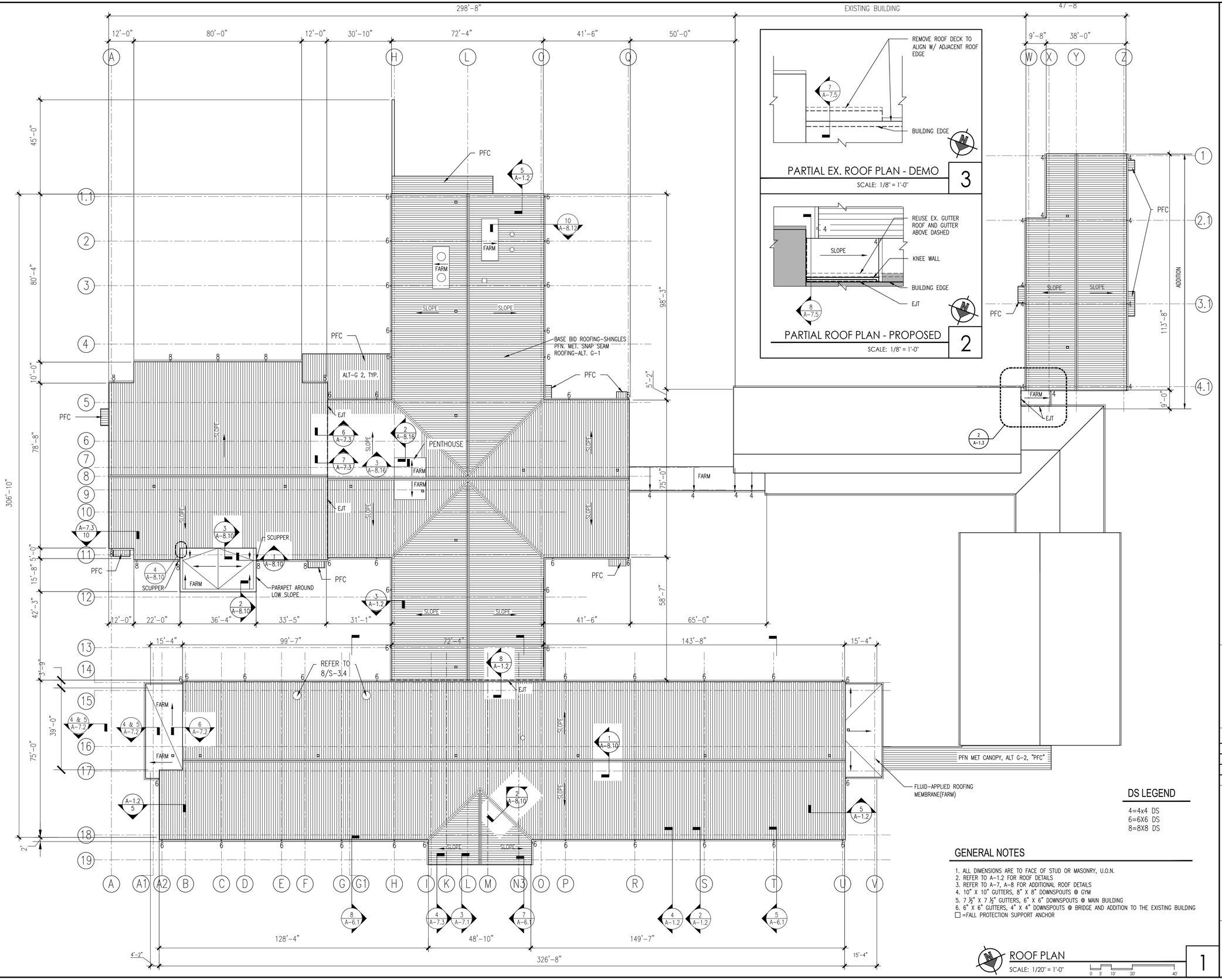

DS LEGEND

4=4x4 DS
6=6X6 DS
8=8X8 DS

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY, U.O.N.
2. REFER TO A-1.2 FOR ROOF DETAILS
3. REFER TO A-7, A-8 FOR ADDITIONAL ROOF DETAILS
4. 10" X 10" GUTTERS, 8" X 8" DOWNSPOUTS @ GYM
5. 7 ½" X 7 ½" GUTTERS, 6" X 6" DOWNSPOUTS @ MAIN BUILDING
6. 6" X 6" GUTTERS, 4" X 4" DOWNSPOUTS @ BRIDGE AND ADDITION TO THE EXISTING BUILDING

☐ =FALL PROTECTION SUPPORT ANCHOR

ROOF PLAN
SCALE: 1/20" = 1'-0"
0 5' 10' 20' 40'

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC
DAVID H. CLINTON 3671 REGISTERED ARCHITECT Professional CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

ROOF PLAN

BID AND CONSTRUCTION

A-1.3

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3. ALL CMU WALLS ARE 8" NOMINAL, U.O.N. (EXCEPTION: PLUMBING CHASES IN GANG TOILETS, WHICH ARE 6" NOMINAL).
4. REFER TO SHEET A-9.1 FOR DOOR SCHEDULE.
5. REFER TO SHEET A-9.2 AND A-9.3 FOR FRAME TYPES.
6. ALL WALLS EXTEND TO STRUCTURE ABOVE.
7. ALL 6" STUD WALLS (INTERIOR AND EXTERIOR) HAVE 6" UNFACED BATT INSULATION.
8. CONTROL JOINTS IN CMU IN CORRIDORS SHALL BE CENTERED ON EACH COLUMN.
9. REF TO A-2.7 FOR COLUMN DETAIL MATRIX.

ROOM FINISH SCHEDULE

MARK	FLOOR	BASE	WALLS	CEILING	REMARKS
F1	VCT	RUBBER	PAINT	ACT 1/GWB	
F2	VCT	RUBBER	PAINT	EXPOSED	
F3	VT	RUBBER	PAINT	ACT 1/GWB	
F4	VT	RUBBER	PAINT	EXPOSED	
F5	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 1	
F6	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 2	
F7	CERAMIC TILE	CERAMIC TILE	PAINT	GYPSUM BOARD – PAINT	
F8	SEALED CONCRETE	NONE	PAINT	EXPOSED	GWB CEILING AT KILN
F9	WOOD SPORTS FLOOR	BY FLOOR MFR.	PAINT	EXPOSED	

NOTE: 1. ALL INTERIOR FINISH MATERIALS HAVE MINIMUM CLASS B FLAME SPREAD RATING UNLESS SPECIFIED TO BE CLASS A
2. PROVIDE TRANSITION STRIP BETWEEN VT+VCT+CONC

LEGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

EWH – ELECTRIC WALL HEATER
FEC – FIRE EXTINGUISHER CABINET
FHC – FIRE HOSE CABINET
EWC – ELECTRIC WATER COOLER

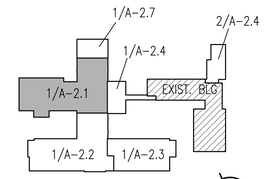
2 HR RATED WALL
1 HR RATED WALL
* POWER DOOR

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



FIRST FLOOR KEY PLAN

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Szostak Design, Inc. Licensed Architecture 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON 3671 Registered Architect CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FIRST FLOOR PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-2.1

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8. CONTROL JOINTS IN CMU IN CORRIDORS SHALL BE CENTERED ON EACH COLUMN.
9. REF TO A-2.7 FOR COLUMN DETAIL MATRIX.

LEGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

EWH – ELECTRIC WALL HEATER
FEC – FIRE EXTINGUISHER CABINET
FHC – FIRE HOSE CABINET
EWC – ELECTRIC WATER COOLER

2 HR RATED WALL
1 HR RATED WALL
* POWER DOOR

ROOM FINISH SCHEDULE

MARK	FLOOR	BASE	WALLS	CEILING	REMARKS
F1	VCT	RUBBER	PAINT	ACT 1/GWB	
F2	VCT	RUBBER	PAINT	EXPOSED	
F3	VT	RUBBER	PAINT	ACT 1/GWB	
F4	VT	RUBBER	PAINT	EXPOSED	
F5	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 1	
F6	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 2	
F7	CERAMIC TILE	CERAMIC TILE	PAINT	GYPSUM BOARD – PAINT	
F8	SEALED CONCRETE	NONE	PAINT	EXPOSED	GWB CEILING AT KILN
F9	WOOD SPORTS FLOOR	BY FLOOR MFR.	PAINT	EXPOSED	

NOTE: 1. ALL INTERIOR FINISH MATERIALS HAVE MINIMUM CLASS B FLAME SPREAD RATING UNLESS SPECIFIED TO BE CLASS A
2. PROVIDE TRANSITION STRIP BETWEEN VT+VCT+CONC

SEE GENERAL NOTE 2 ABOVE

TYP. MONITOR LOCATION–NIC

TYPICAL FOR 3'–4" NOMINAL OPENINGS

TYPICAL FOR 6'–8" NOMINAL OPENINGS

EDGE OF CANTILEVERED SOFFIT

6"x6" RDL–TYP.

9'x6' RCM

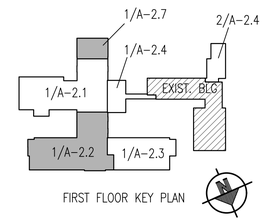
DISPLAY CASE

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



FIRST FLOOR KEY PLAN

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Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC
DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FIRST FLOOR PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-2.2

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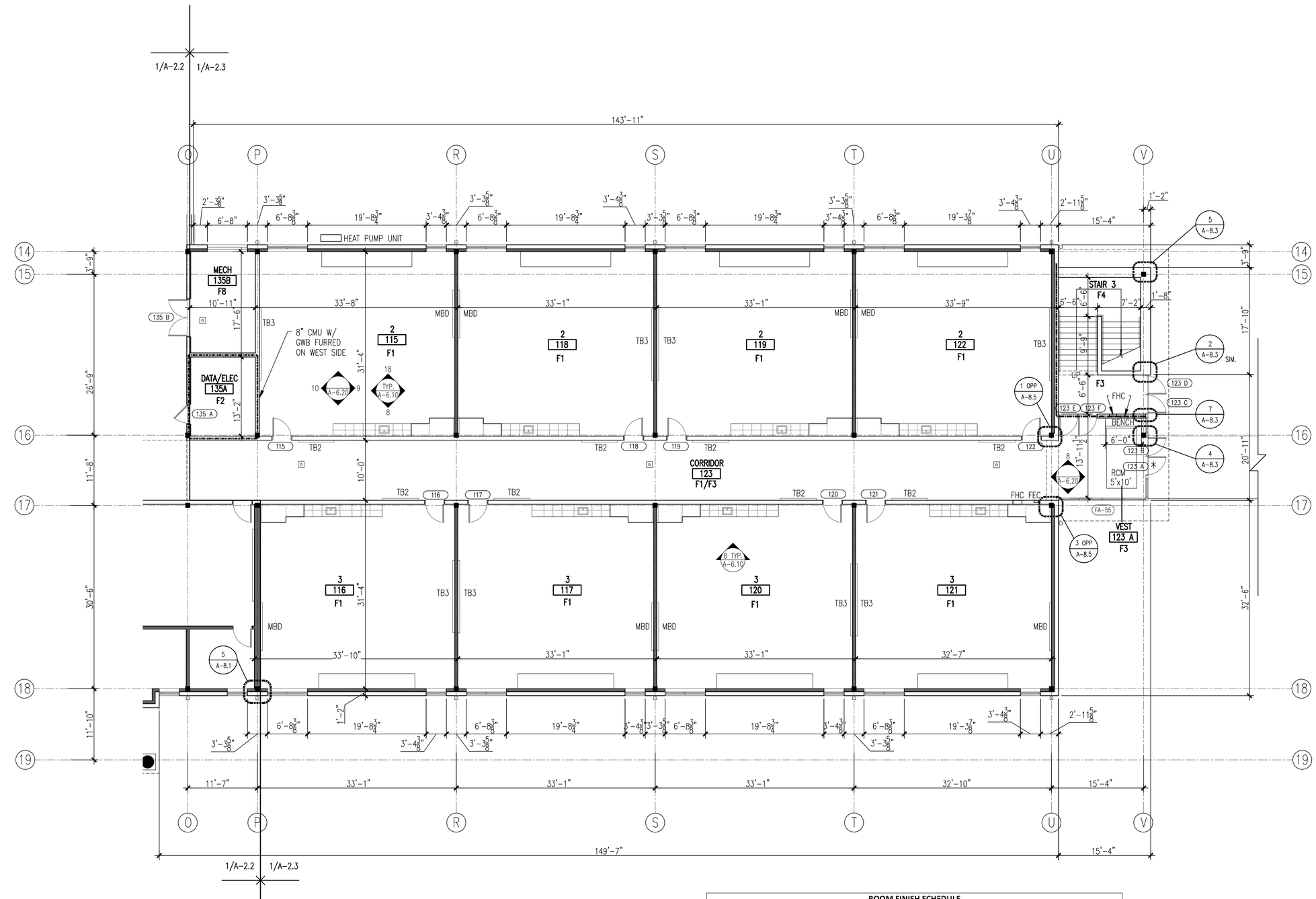

LEGEND

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TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

EWH – ELECTRIC WALL HEATER
FEC – FIRE EXTINGUISHER CABINET
FHC – FIRE HOSE CABINET
EWC – ELECTRIC WATER COOLER

2 HR RATED WALL
1 HR RATED WALL
* POWER DOOR

GENERAL NOTES

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6. ALL WALLS EXTEND TO STRUCTURE ABOVE.
7. ALL 6" STUD WALLS (INTERIOR AND EXTERIOR) HAVE 6" UNFACED BATT INSULATION.
8. CONTROL JOINTS IN CMU IN CORRIDORS SHALL BE CENTERED ON EACH COLUMN.
9. REF TO A-2.7 FOR COLUMN DETAIL MATRIX.

ROOM FINISH SCHEDULE

MARK	FLOOR	BASE	WALLS	CEILING	REMARKS
F1	VCT	RUBBER	PAINT	ACT 1/GWB	
F2	VCT	RUBBER	PAINT	EXPOSED	
F3	VT	RUBBER	PAINT	ACT 1/GWB	
F4	VT	RUBBER	PAINT	EXPOSED	
F5	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 1	
F6	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 2	
F7	CERAMIC TILE	CERAMIC TILE	PAINT	GYPSUM BOARD – PAINT	
F8	SEALED CONCRETE	NONE	PAINT	EXPOSED	GWB CEILING AT KILN
F9	WOOD SPORTS FLOOR	BY FLOOR MFR.	PAINT	EXPOSED	

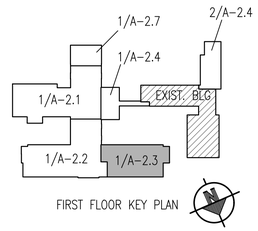
NOTE: 1. ALL INTERIOR FINISH MATERIALS HAVE MINIMUM CLASS B FLAME SPREAD RATING UNLESS SPECIFIED TO BE CLASS A
2. PROVIDE TRANSITION STRIP BETWEEN VT+VCT+CONC

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



FIRST FLOOR KEY PLAN

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Szostak Design, Inc. Certificate of Authorization 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON Registered Architect 3671 North Carolina Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FIRST FLOOR PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-2.3

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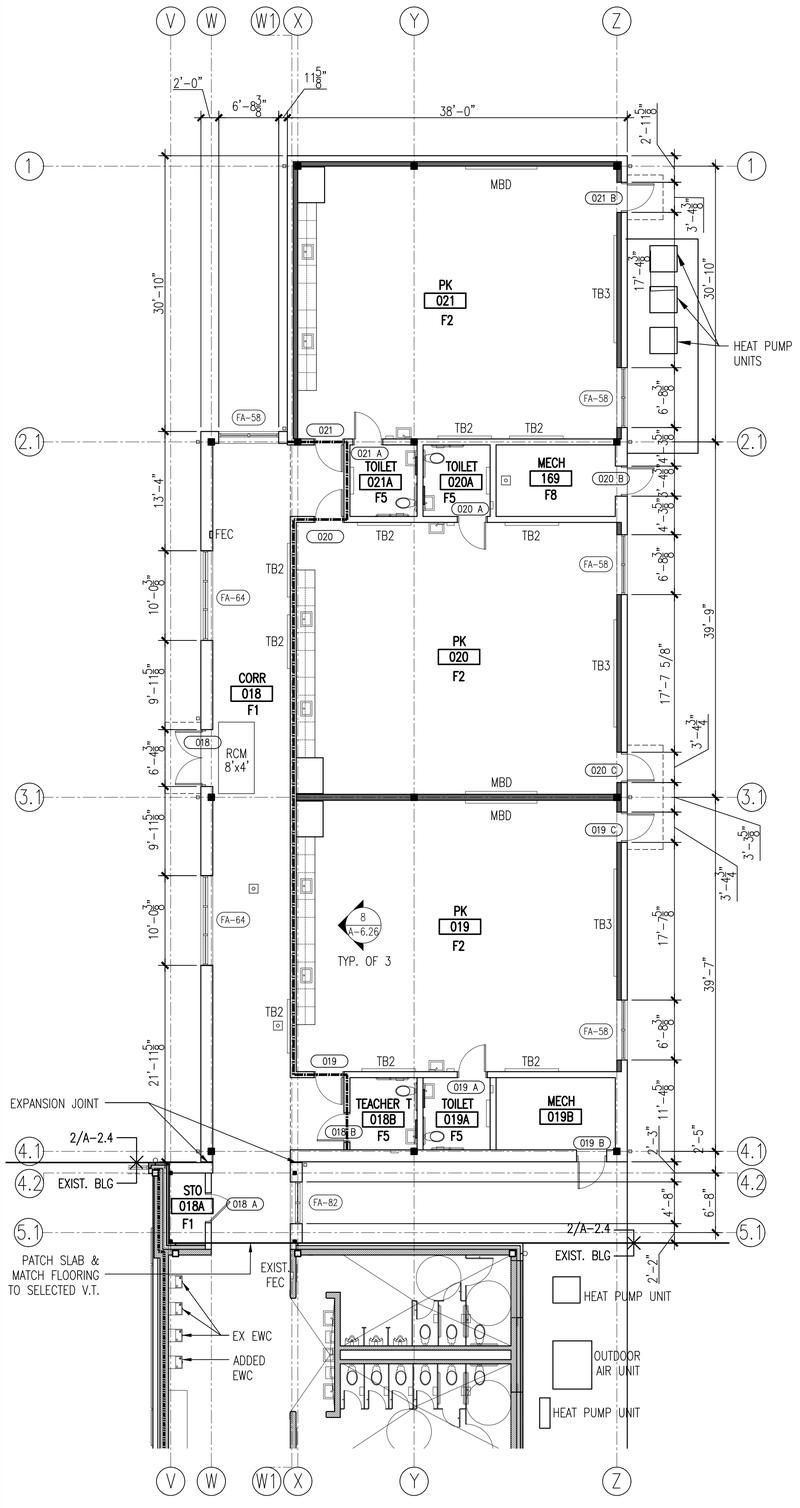

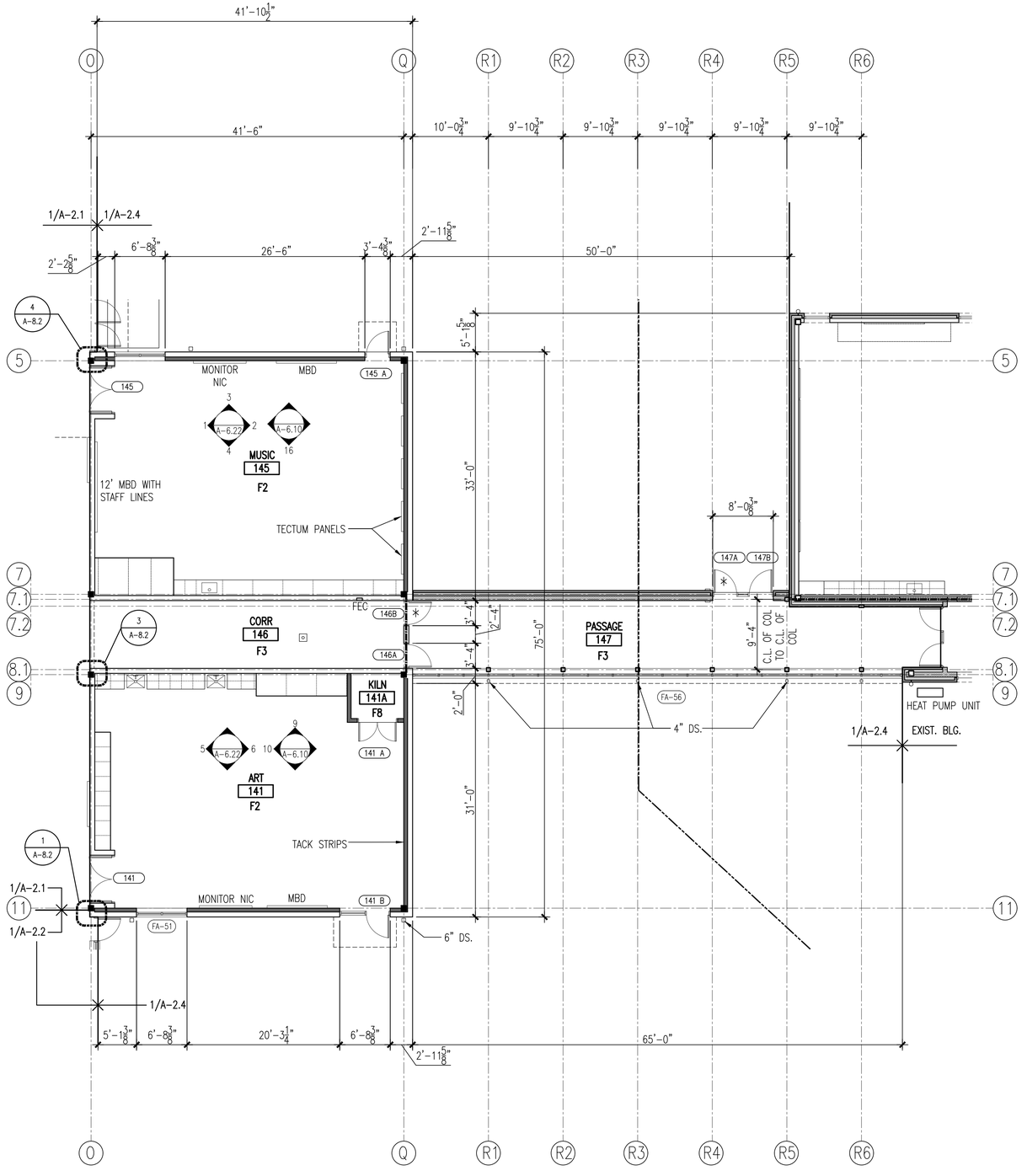

LEGEND

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MBD=4'X8' MARKER BOARD

EWH – ELECTRIC WALL HEATER
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2 HR RATED WALL
1 HR RATED WALL
* POWER DOOR

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ROOM FINISH SCHEDULE

MARK	FLOOR	BASE	WALLS	CEILING	REMARKS
F1	VCT	RUBBER	PAINT	ACT 1/GWB	
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F3	VT	RUBBER	PAINT	ACT 1/GWB	
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F7	CERAMIC TILE	CERAMIC TILE	PAINT	GYPSUM BOARD – PAINT	
F8	SEALED CONCRETE	NONE	PAINT	EXPOSED	GWB CEILING AT KILN
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SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

FIRST FLOOR KEY PLAN

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Szostak Design, Inc. Licensed Architecture 51679 North Carolina Chapel Hill, NC

David H. Clinton Registered Architect 3671 North Carolina Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FIRST FLOOR PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-2.4

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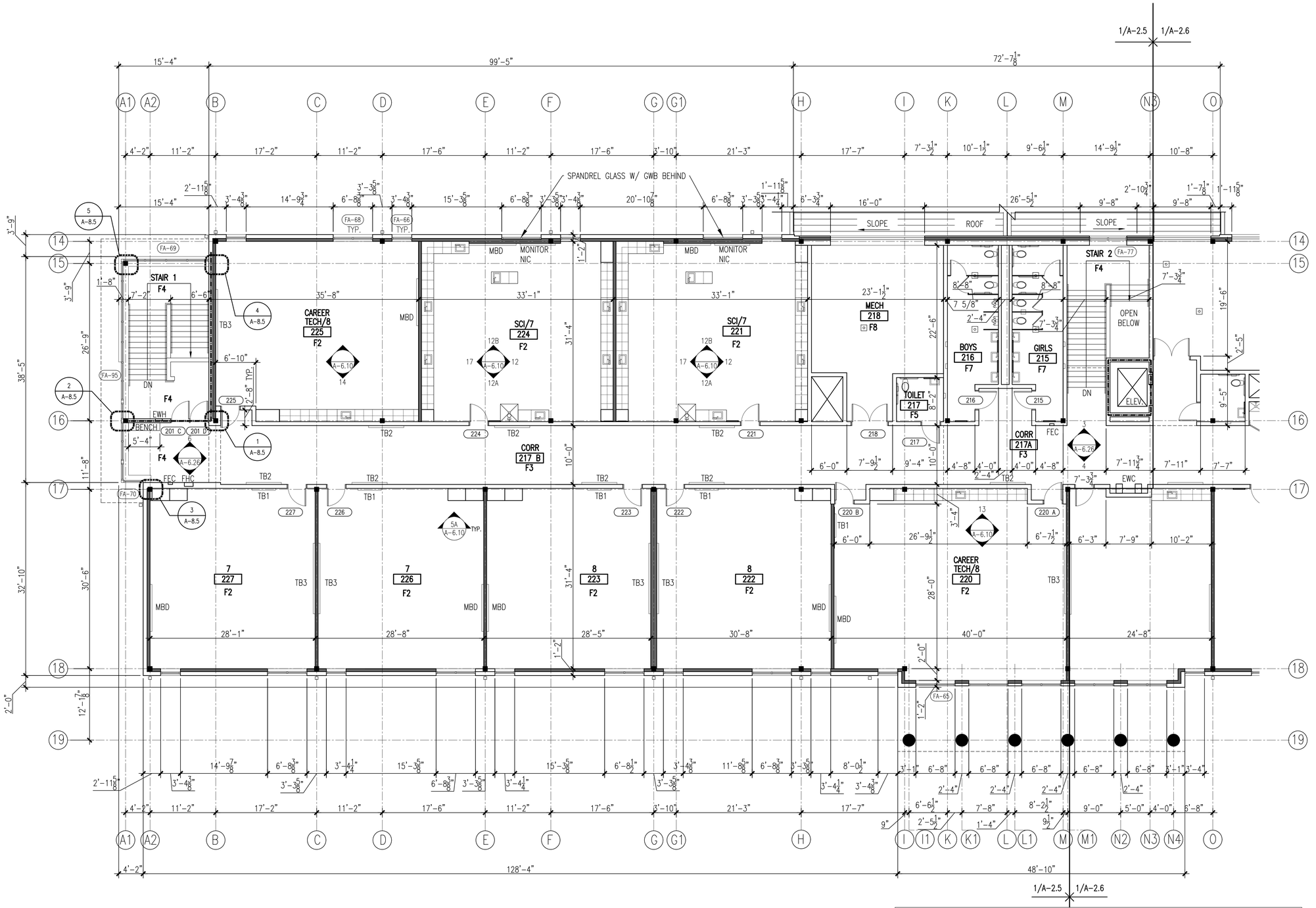

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2 HR RATED WALL
1 HR RATED WALL
* POWER DOOR

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ROOM FINISH SCHEDULE

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SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

1/A-2.5 1/A-2.6

SECOND FLOOR KEY PLAN

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Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC
DAVID H. CLINTON REGISTERED ARCHITECT 3671 Professional Corporation CHAPEL HILL, N.C.

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL SECOND FLOOR PLAN

0 2 4 8 16

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

BID AND CONSTRUCTION

A-2.5

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LEGEND

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TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
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EWC – ELECTRIC WATER COOLER

2 HR RATED WALL
1 HR RATED WALL
* POWER DOOR

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ROOM FINISH SCHEDULE

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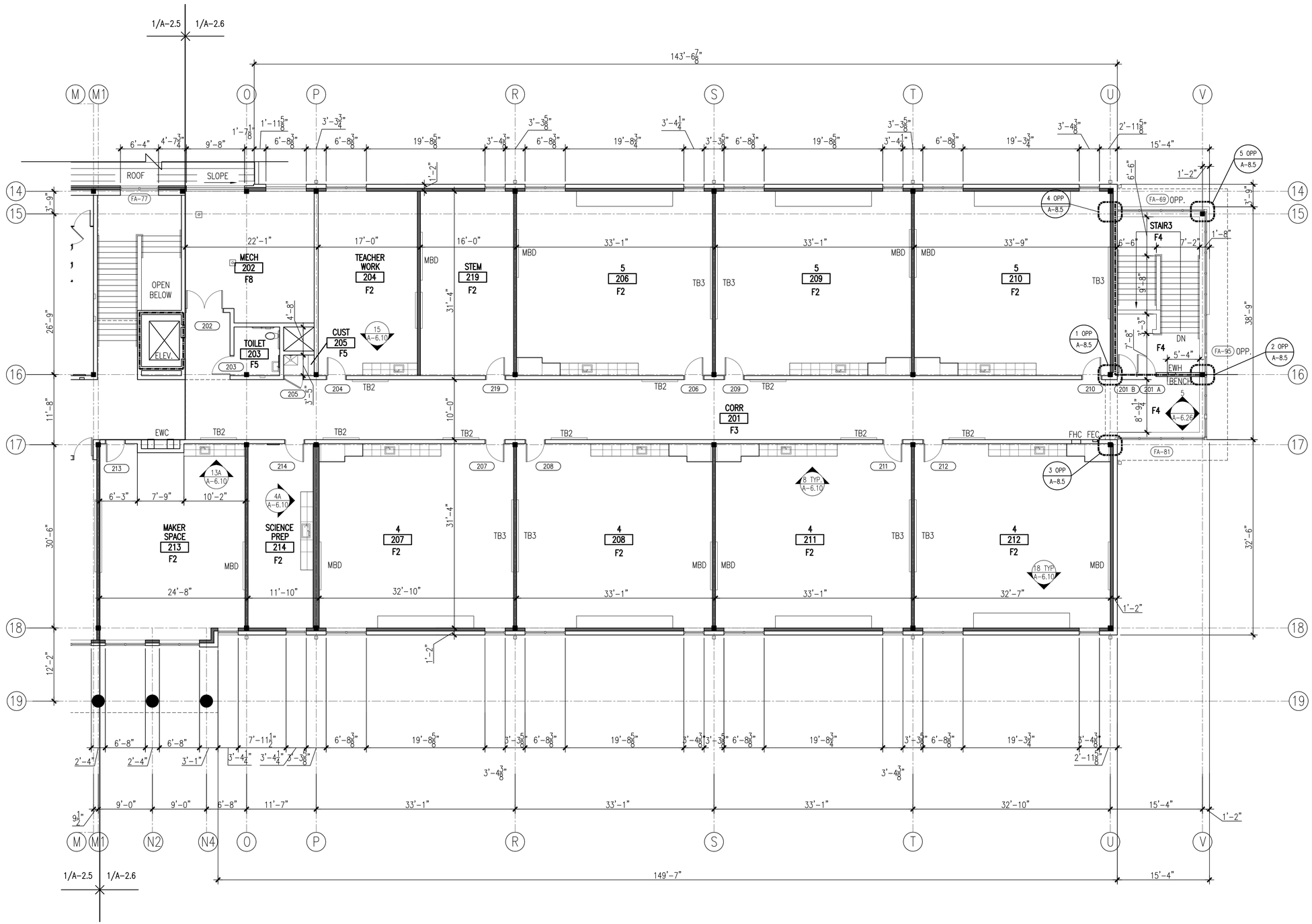
F5	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 1	
F6	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 2	
F7	CERAMIC TILE	CERAMIC TILE	PAINT	GYPSUM BOARD – PAINT	
F8	SEALED CONCRETE	NONE	PAINT	EXPOSED	GWB CEILING AT KILN
F9	WOOD SPORTS FLOOR	BY FLOOR MFR.	PAINT	EXPOSED	

NOTE: 1. ALL INTERIOR FINISH MATERIALS HAVE MINIMUM CLASS B FLAME SPREAD RATING UNLESS SPECIFIED TO BE CLASS A
2. PROVIDE TRANSITION STRIP BETWEEN VT+VCT+CONC



SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

1/A-2.5 1/A-2.6

SECOND FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated ARCHITECTURE PLANNING NORTH CAROLINA 51679 Chapel Hill, NC
DAVID H. CLINTON REGISTERED ARCHITECT 3671 NORTH CAROLINA Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1.		
2.		
3.		
4.		

PARTIAL SECOND FLOOR PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-2.6

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	A	A.1	A.2	B	C	D	E	F	F.1	F.2	G	G.1	H	I	I.1	J	J.1	K	K.1	L	L.1	M	M.1	N	N.1	N.2	N.3	N.4	O	P	Q	R	R.1	R.2	R.3	R.4	R.5	R.6	S	T	U	V	V.1	W	W.1	X	Y	Z
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6/A-8.5 SIM		6/A-8.5 OPP
1.1	X	X	X	X	X	X	X	X	X	X	X	X	9/A-8.3	X	X	X	X	X	X	8/A-8.3	X	X	X	X	X	X	X	X	9/A-8.3 OPP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.3 SIM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.3 OPP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9/A-8.3 SIM	X				
3	X	X	X	X	X	X	X	X	X	X	X	X	6/A-8.3	X	X	X	X	X	X		X	X	X	X	X	X	X	X	6/A-8.3 OPP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.3 SIM	X	X			
4	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.3 OPP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.3 SIM	X	X		3/A-8.1 OPP	
4.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		
5	X	X	X	X	X	X	X	X	X	4/A-8.4	X	X	7/A-8.2	X	X	X	X	X	X	6/A-8.2	X	X	X	X	X	X	X	X	4/A-8.2	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.2 OPP	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
7.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3/A-8.2	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	1/A-8.4	X	X	5/A-8.4	X	X	X	X	X	X	6/A-8.4	X	X	X	X	X	X	X	X	1/A-8.2	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	2/A-8.4	X	X	X	X	X	X	3/A-8.4	X	X	X	X	X	X	X	X	2/A-8.4 OPP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	2/A-8.4 SIM	X	X	X	X	X	X	3/A-8.4 SIM	X	X	X	X	X	X	X	X	2/A-8.4 OPP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	6/A-8.5 SIM	X	2/A-8.1 OPP	X	2/A-8.1 OPP	X	X	X	2/A-8.1 OPP	9/A-8.1	X	X	X	X	X	8/A-8.1 OPP	X	X	X	8/A-8.1	X	X	X	X	X	7/A-8.1	X			X	2/A-8.1 OPP	X	X	X	X	X	X	2/A-8.1 OPP	2/A-8.1 OPP	6/A-8.5 OPP	X	X	X	X	X	X
15	X	5/A-8.3 OPP	X	4/A-8.5 SIM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4/A-8.5 OPP	5/A-8.3	X	X	X	X	X
16	X	4/A-8.3 OPP	X	1/A-8.5 SIM	X	6/A-8.1 OPP	X	6/A-8.1 OPP	X	X	X	6/A-8.1 OPP	6/A-8.1 OPP	X	X	X	X		X	X	X		X	X	X	X	X	X	X			X	6/A-8.1 OPP	X	X	X	X	X	X	6/A-8.1 OPP	6/A-8.1 OPP		4/A-8.3	X	X	X	X	X	X
17	X	X	3/A-8.5 SIM	X	6/A-8.1	X	6/A-8.4	X	X	X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	6/A-8.1 SIM	X	X	X	X	X	X	6/A-8.1 SIM	6/A-8.1 SIM	3/A-8.5 OPP	X	X	X	X	X	X	X
18	X	X	3/A-8.1	X	2/A-8.1	X	2/A-8.1 SIM	X	X	X	5/A-8.1	X	4/A-8.1	1/A-8.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2/A-8.1 SIM	5/A-8.1 SIM	X	2/A-8.1 SIM	X	X	X	X	X	X	2/A-8.1 SIM	2/A-8.1 SIM	3/A-8.1 OPP	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X		X		X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

WEST COLUMBUS PREK-8 SCHOOL FIRST FLOOR COLUMN DETAIL MATRIX

ROOM FINISH SCHEDULE					
MARK	FLOOR	BASE	WALLS	CEILING	REMARKS
F1	VCT	RUBBER	PAINT	ACT 1/GWB	
F2	VCT	RUBBER	PAINT	EXPOSED	
F3	VT	RUBBER	PAINT	ACT 1/GWB	
F4	VT	RUBBER	PAINT	EXPOSED	
F5	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 1	
F6	CERAMIC TILE	CERAMIC TILE	PAINT	ACT 2	
F7	CERAMIC TILE	CERAMIC TILE	PAINT	GYPSUM BOARD – PAINT	
F8	SEALED CONCRETE	NONE	PAINT	EXPOSED	GWB CEILING AT KILN
F9	WOOD SPORTS FLOOR	BY FLOOR MFR.	PAINT	EXPOSED	

NOTE: 1. ALL INTERIOR FINISH MATERIALS HAVE MINIMUM CLASS B FLAME SPREAD RATING UNLESS SPECIFIED TO BE CLASS A
2. PROVIDE TRANSITION STRIP BETWEEN VT+VCT+CONC

GENERAL NOTES

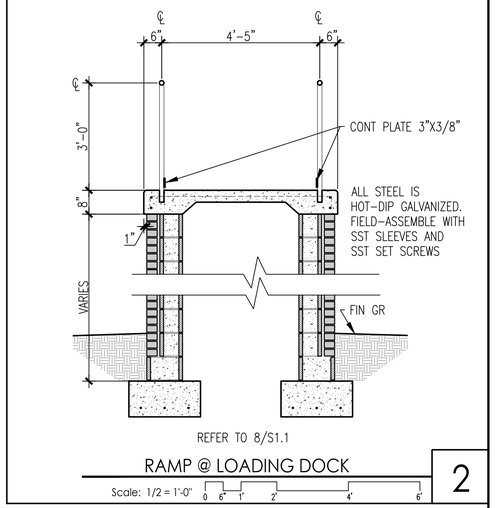
1. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY, U.O.N.
2. ALL STUDS ARE 6", U.O.N. (EXCEPTION: INTERIOR PARTITIONS IN THE ADMINISTRATION AREA ARE 3 5/8"). STUD WALLS ARE SHADED ON PLANS.
3. ALL CMU WALLS ARE 8" NOMINAL, U.O.N. (EXCEPTION: PLUMBING CHASES IN GANG TOILETS, WHICH ARE 6" NOMINAL).
4. REFER TO SHEET A–9.1 FOR DOOR SCHEDULE.
5. REFER TO SHEET A–9.2 AND A–9.3 FOR FRAME TYPES.
6. ALL WALLS EXTEND TO STRUCTURE ABOVE.
7. ALL 6" STUD WALLS (INTERIOR AND EXTERIOR) HAVE 6" UNFACED BATT INSULATION.
8. CONTROL JOINTS IN CMU IN CORRIDORS SHALL BE CENTERED ON EACH COLUMN.
9. REF TO A–2.7 FOR COLUMN DETAIL MATRIX.

LEGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

EWH – ELECTRIC WALL HEATER
FEC – FIRE EXTINGUISHER CABINET
FHC – FIRE HOSE CABINET
EWC – ELECTRIC WATER COOLER

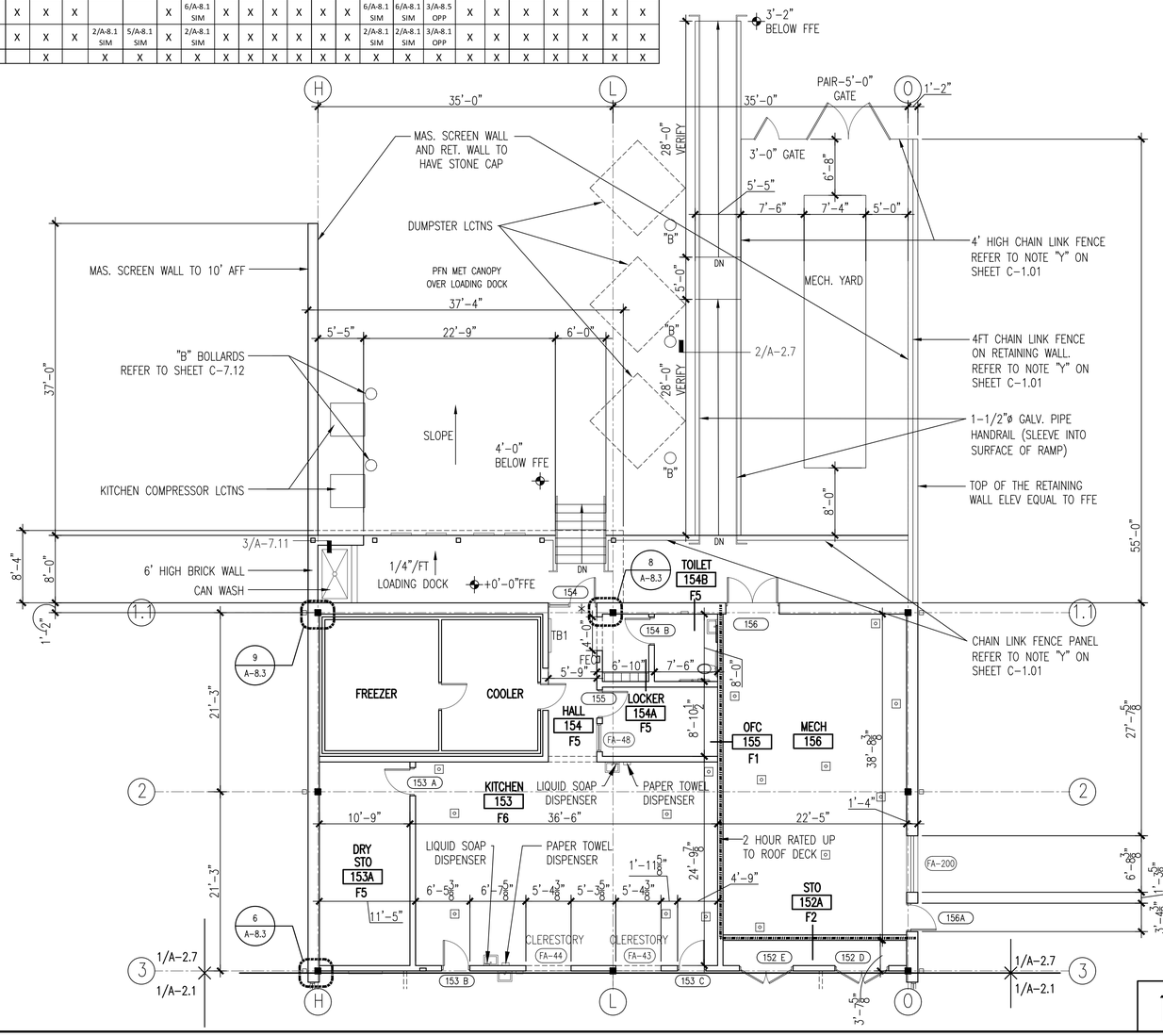
2 HR RATED WALL
1 HR RATED WALL
* POWER DOOR



RAMP @ LOADING DOCK

Scale: 1/2 = 1'-0" 0 6" 1' 2' 4' 6'

2



1

FIRST FLOOR KEY PLAN

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Szostak Design, Incorporated 51679 NORTH CAROLINA REGISTERED ARCHITECTURAL CORPORATION Chapel Hill, NC
DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FIRST FLOOR PLAN

0 2 4 8 16

SCALE: 1/8" = 1'-0" (U.O.N.)

BID AND CONSTRUCTION

A-2.7

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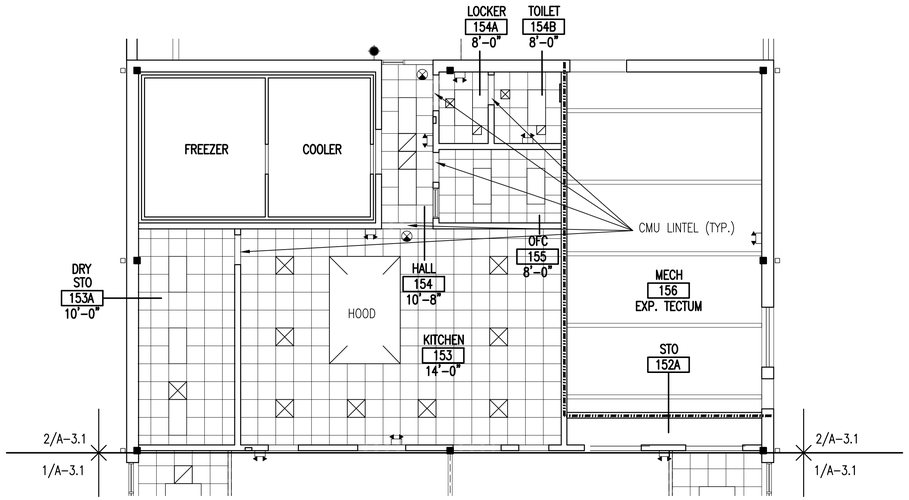
SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



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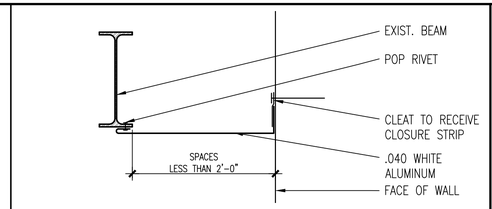
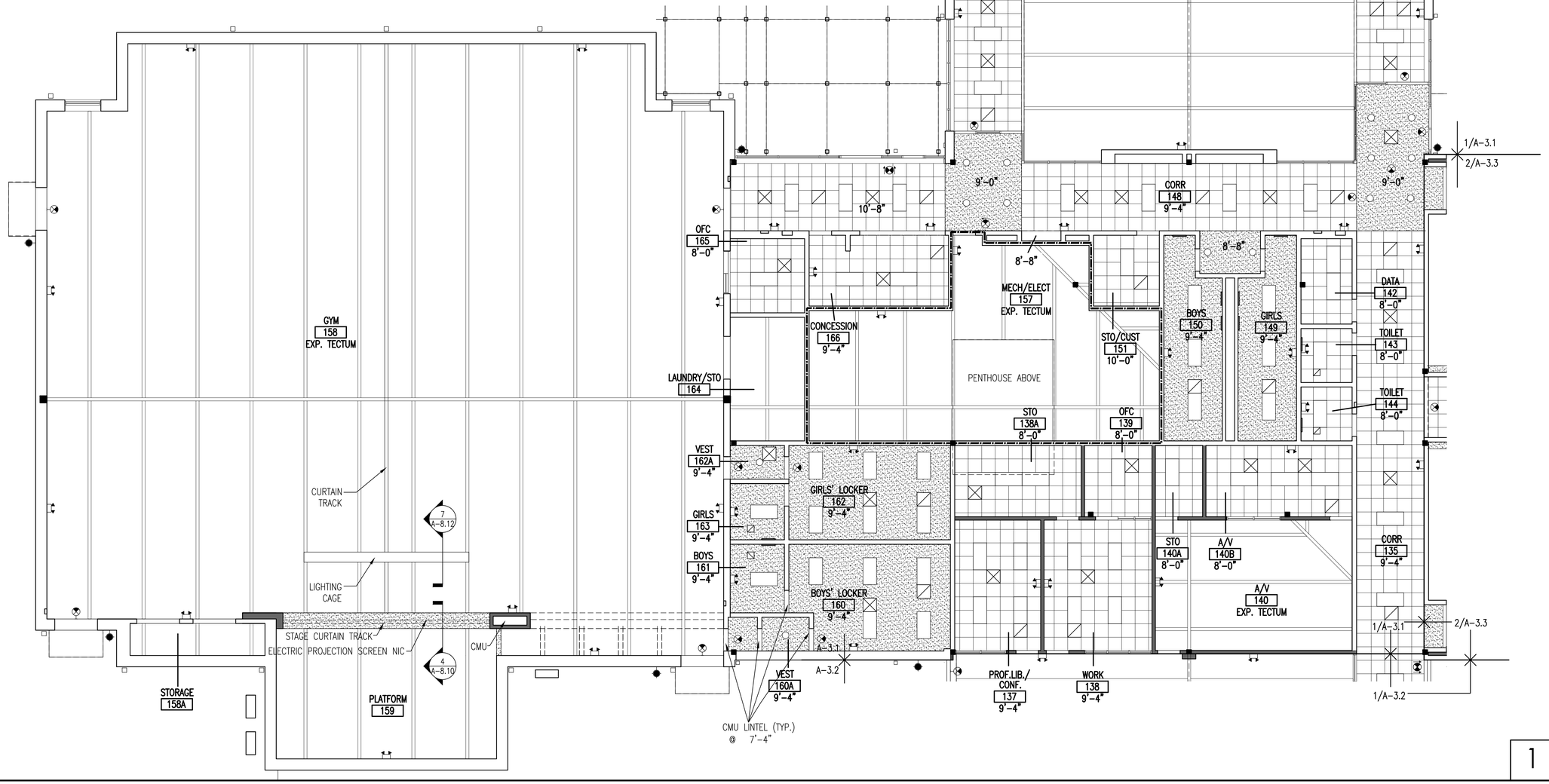


BEAM POCKET CLOSURE DETAIL

SCALE: 1" = 1'-0"

3

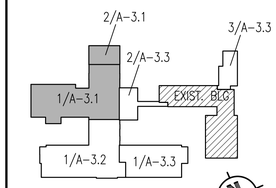


1

EQUIPMENT LEGEND:

- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS



FIRST FLOOR KEY PLAN

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Szostak Design, Incorporated — 51679 — NORTH CAROLINA — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, N.C.

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL REFLECTED CEILING PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-3.1

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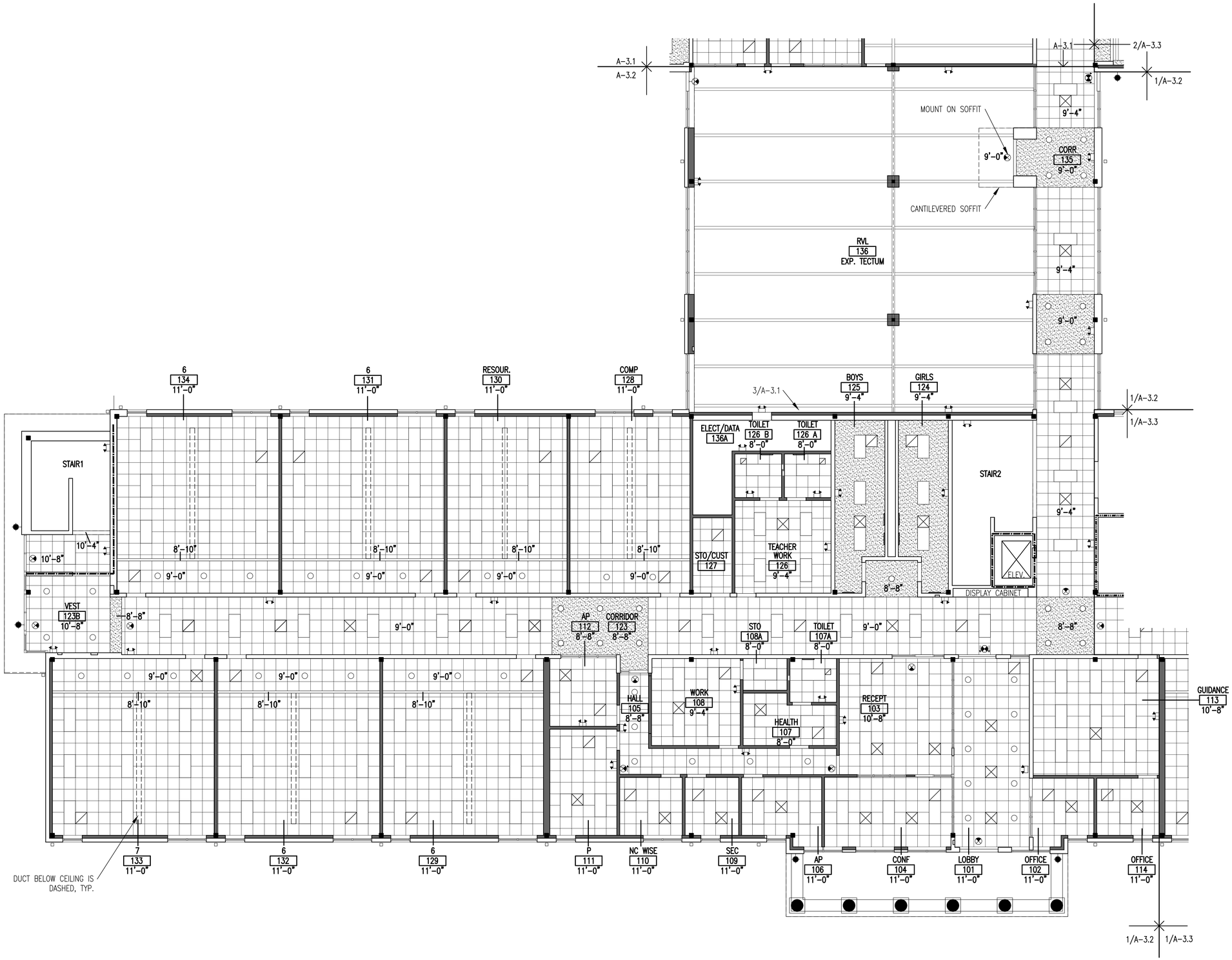
SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

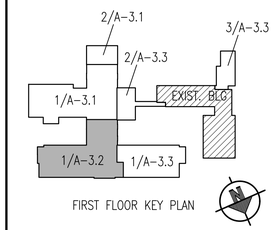
COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

EQUIPMENT LEGEND:

- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS



FIRST FLOOR KEY PLAN

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Szostak Design, Inc. Architecture 51679 Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 9671 CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL REFLECTED CEILING PLAN

0 2 4 8 16'

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

BID AND CONSTRUCTION

A-3.2

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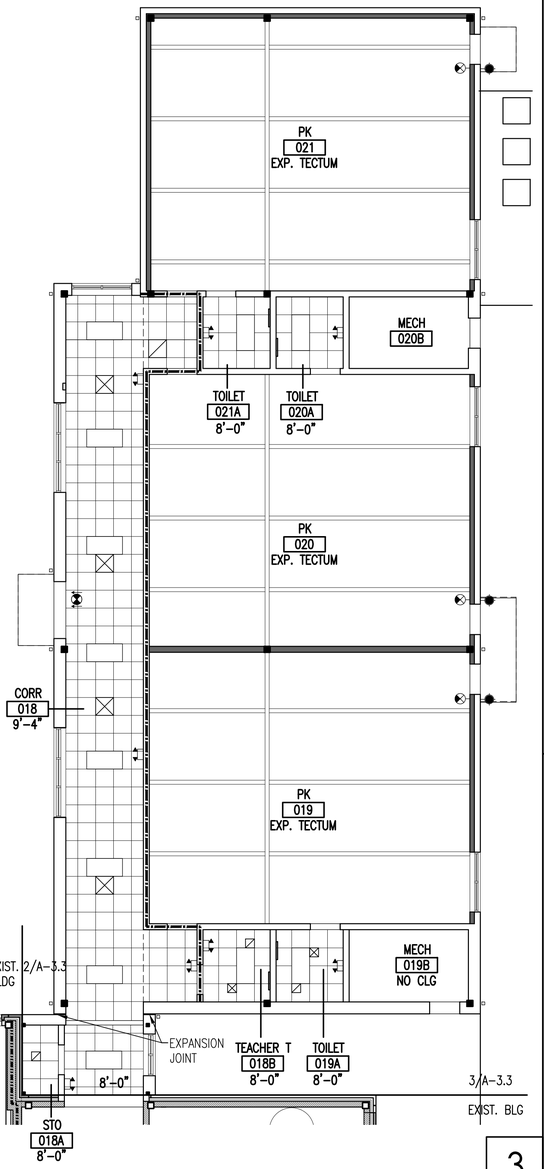

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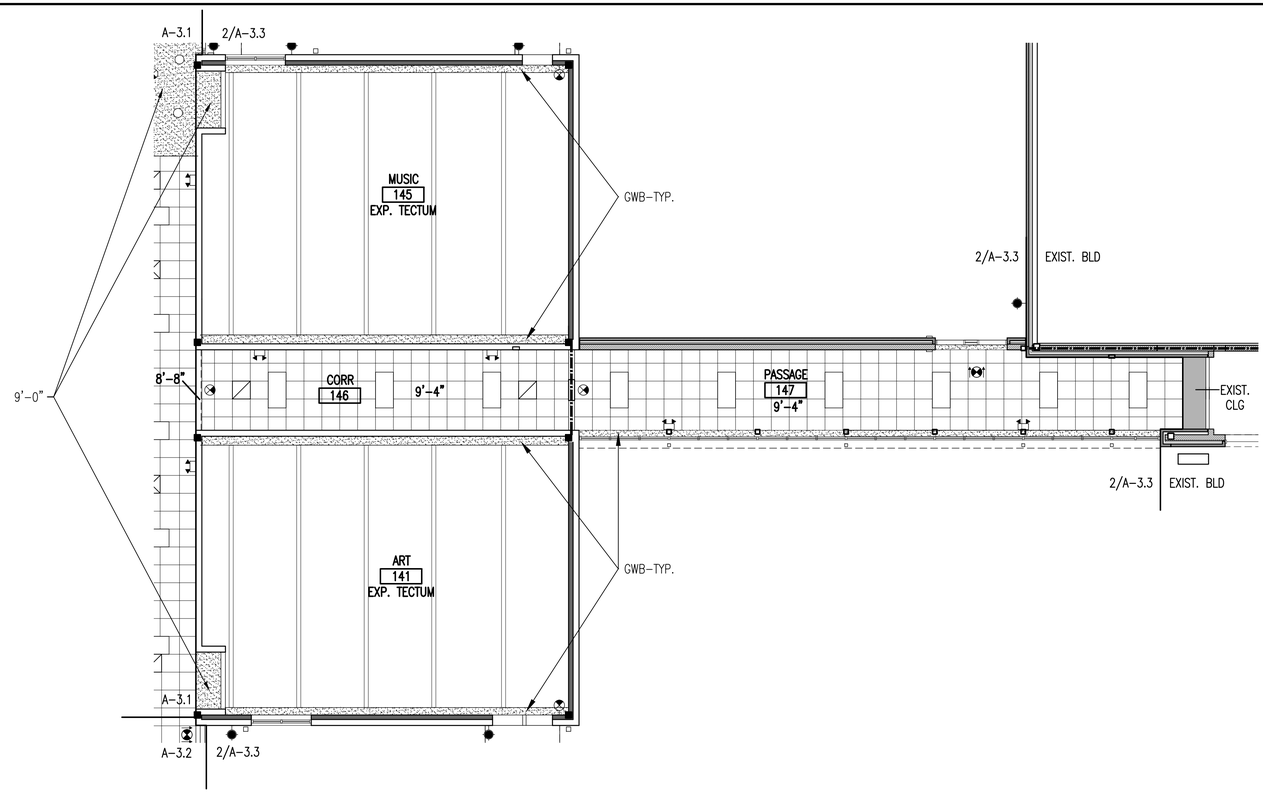

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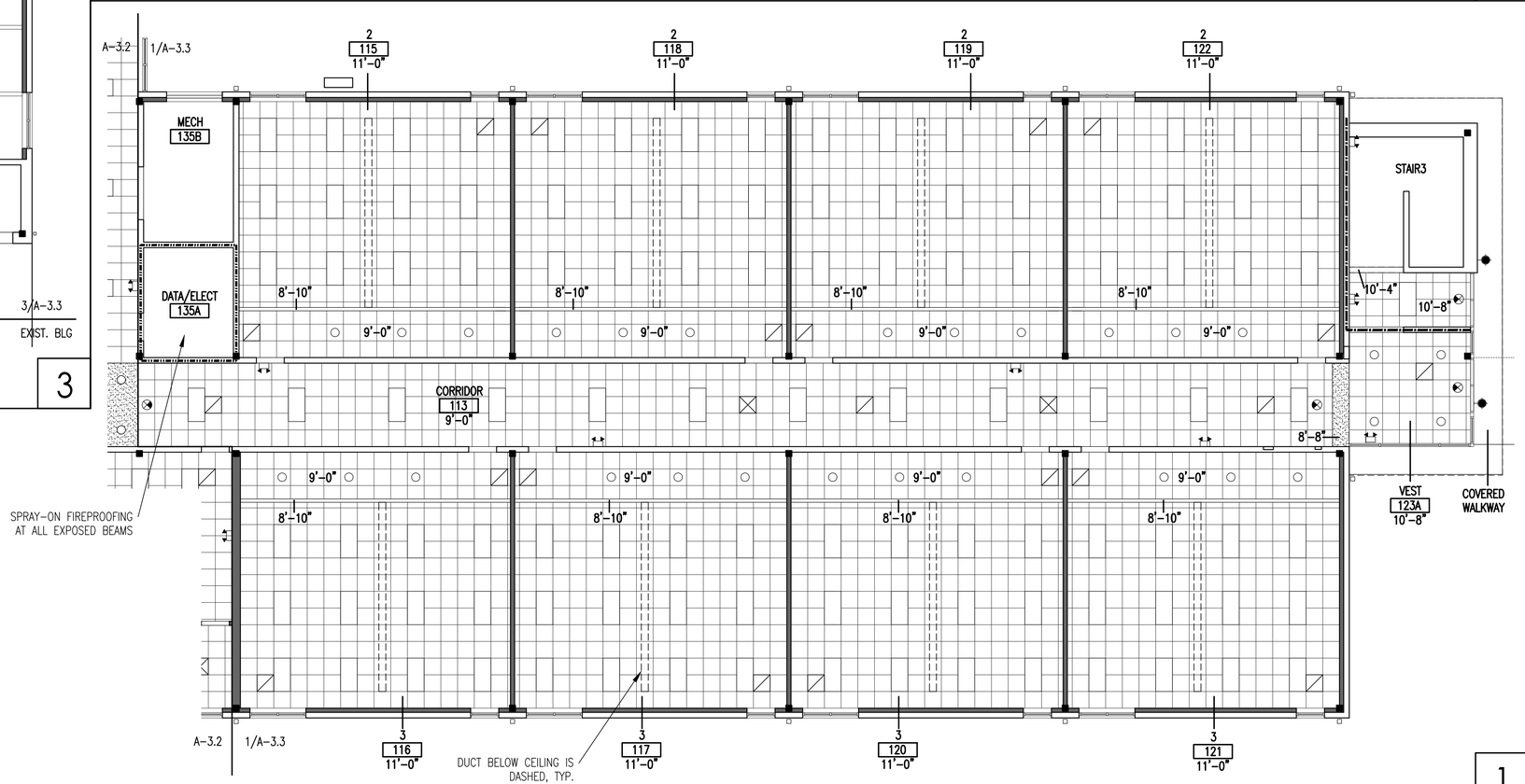


1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

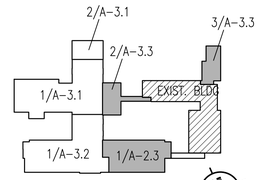
COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

EQUIPMENT LEGEND:

- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS



FIRST FLOOR KEY PLAN

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Szostak Design, Inc. Licensed Architecture 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2	26 MAR. 2020	GENERAL COORDINATION
3		
4		

PARTIAL REFLECTED CEILING PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-3.3

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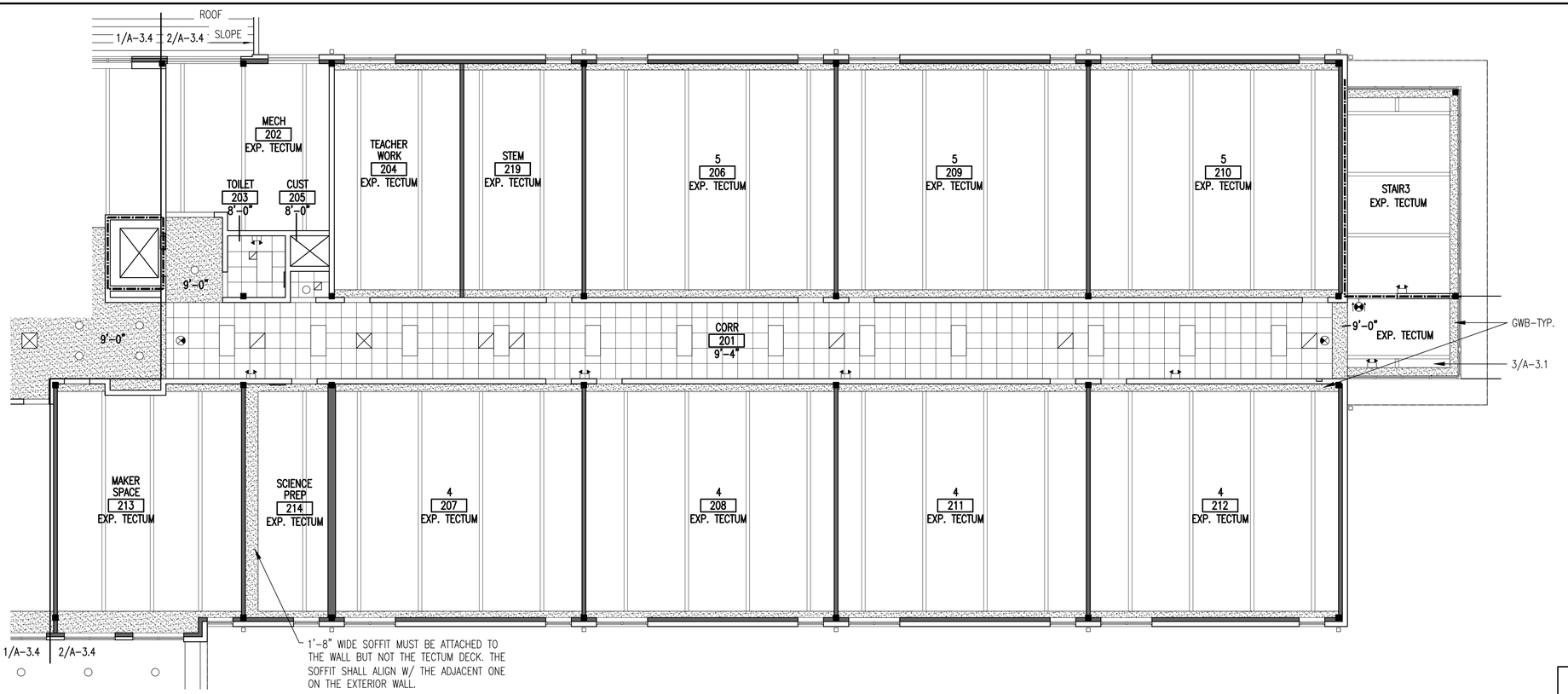

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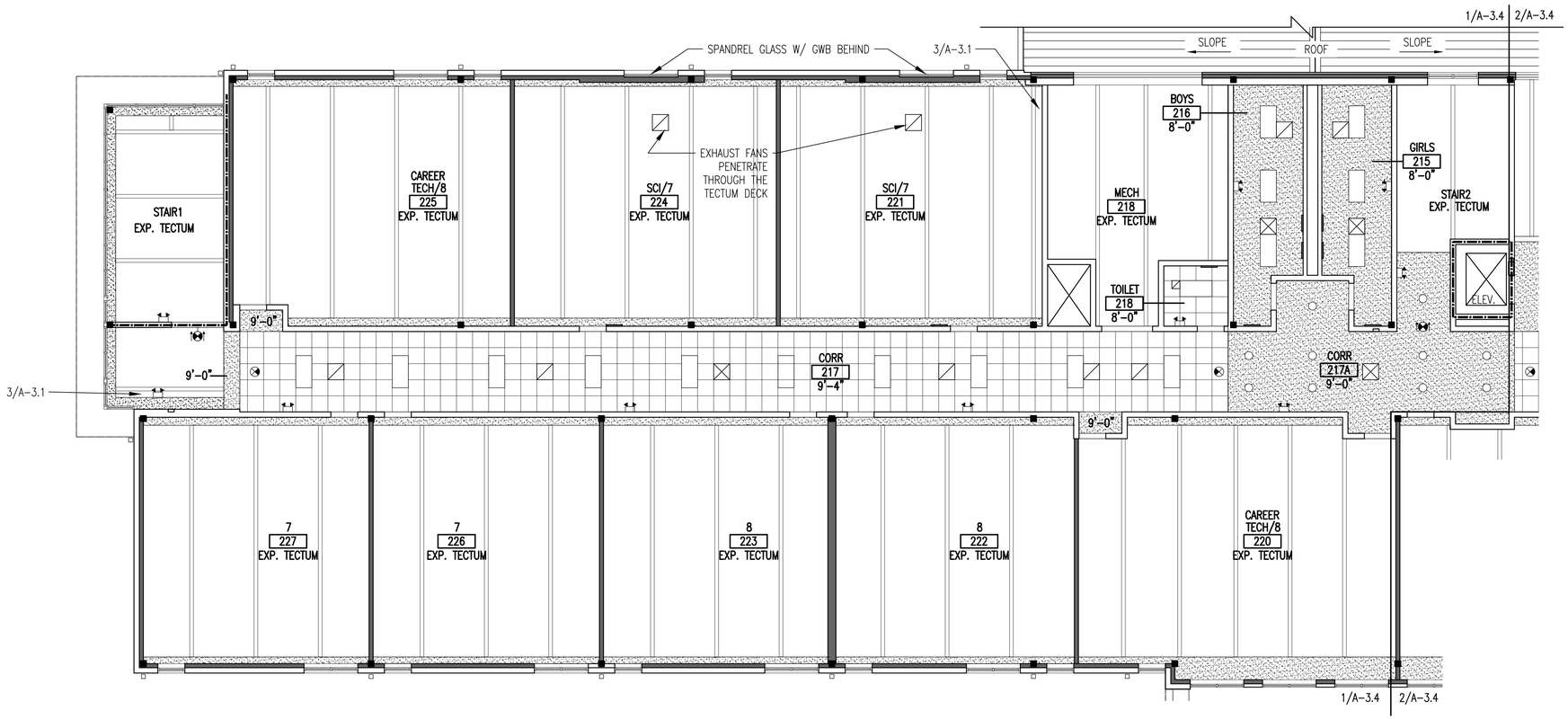

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

EQUIPMENT LEGEND:

- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS

1/A-3.4 2/A-3.4

SECOND FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Professional Architecture 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 9671 NORTH CAROLINA CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL REFLECTED CEILING PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-3.4

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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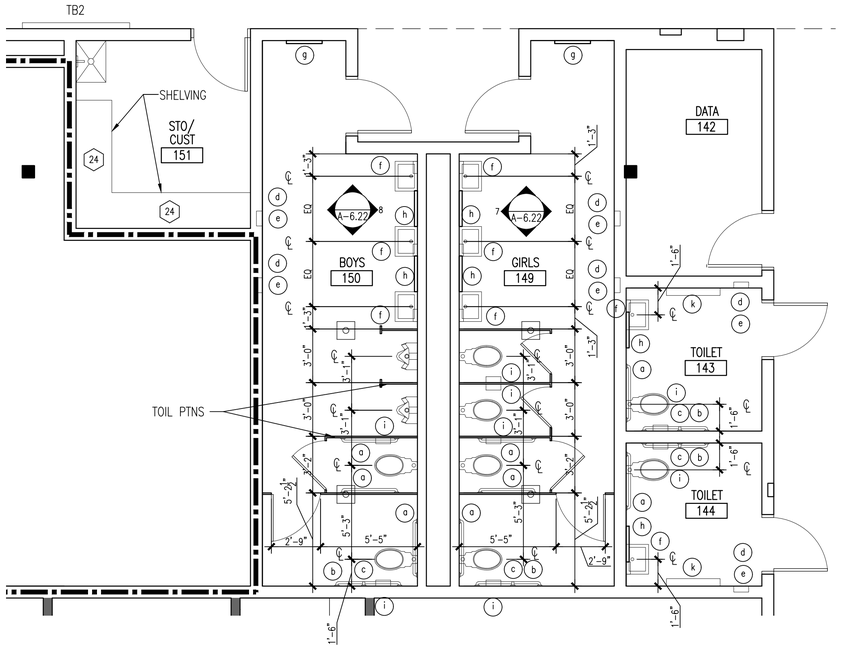
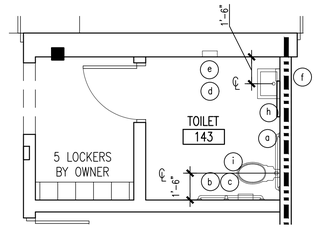
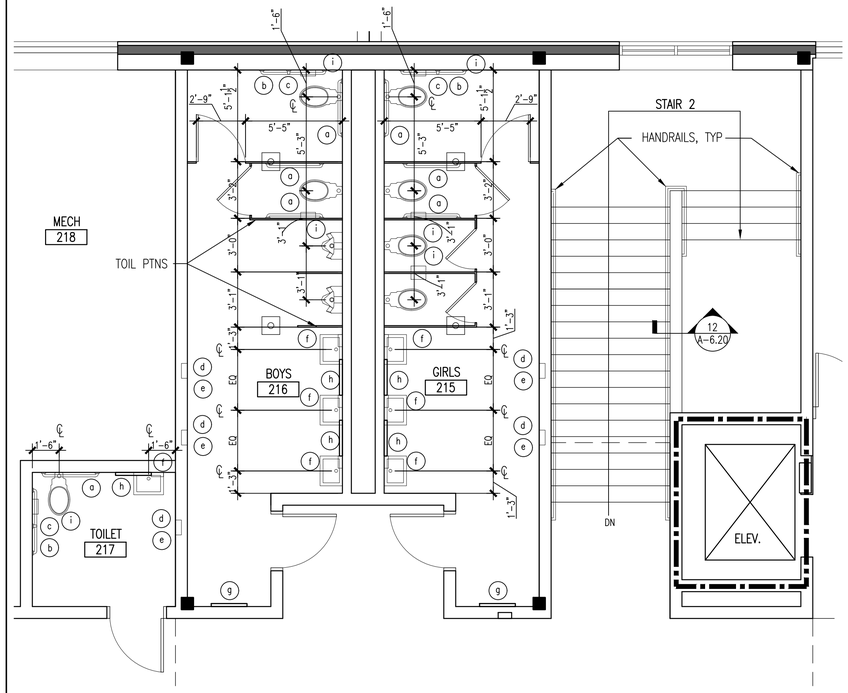


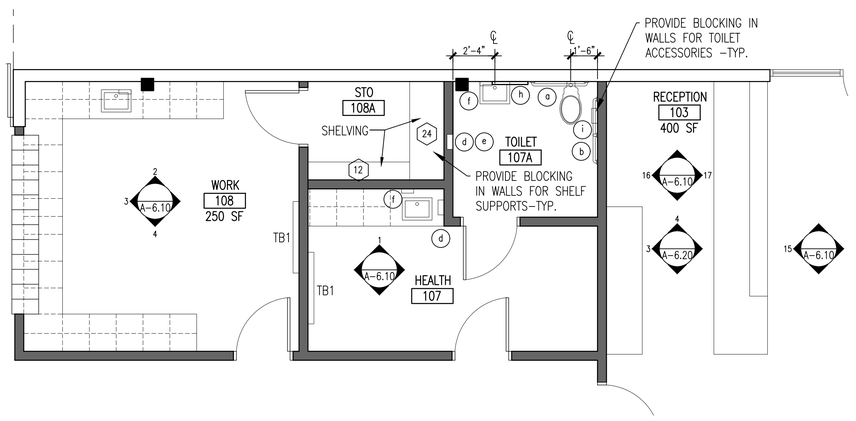
ENLARGED FLOOR PLAN-FIRST FLOOR 4



KITCHEN TOILET & LOCKER 5



ENLARGED FLOOR PLAN-SECOND FLOOR 2



ENLARGED FLOOR PLAN-FIRST FLOOR 3

TOILET ACCESSORY SCHEDULE

(a) GRAB BAR: BRADLEY 812 SERIES, 1 ¼" INCH DIAMETER WITH PEENED SURFACE, 36" LONG, CONCEAL MOUNTING FLANGES WITH SNAP FLANGE COVERS (FLUSH VALVE SIDE).

(b) GRAB BAR: BRADLEY 812 SERIES, 1 ¼" INCH DIAMETER WITH PEENED SURFACE, 42" LONG, CONCEAL MOUNTING FLANGES WITH SNAP FLANGE COVERS (PARTITION SIDE, HORIZONTAL).

(c) GRAB BAR: BRADLEY 812 SERIES, 1 ¼" INCH DIAMETER WITH PEENED SURFACE, 18" LONG, CONCEAL MOUNTING FLANGES WITH SNAP FLANGE COVERS (PARTITION SIDE, VERTICAL).

(d) PAPER TOWEL DISPENSER: BRADLEY 250-15. IN ADDITION TO TOILET ROOM LOCATIONS, PROVIDE UNITS FOR ALL CLASSROOM SINKS.

(e) PAPER TOWEL WASTE DISPOSER: BRADLEY 355.

(f) LIQUID SOAP DISPENSERS: INSTALL BRADLEY 6562 SOAP DISPENSERS.

(g) MIRROR: BRADLEY 7481-2460 24" X 60" (ONE PER GANG TOILET ROOM, ONE PER KINDERGARTEN AND PRE-KINDERGARTEN CLASSROOM). NOT ALL ARE SHOWN ON PLANS.

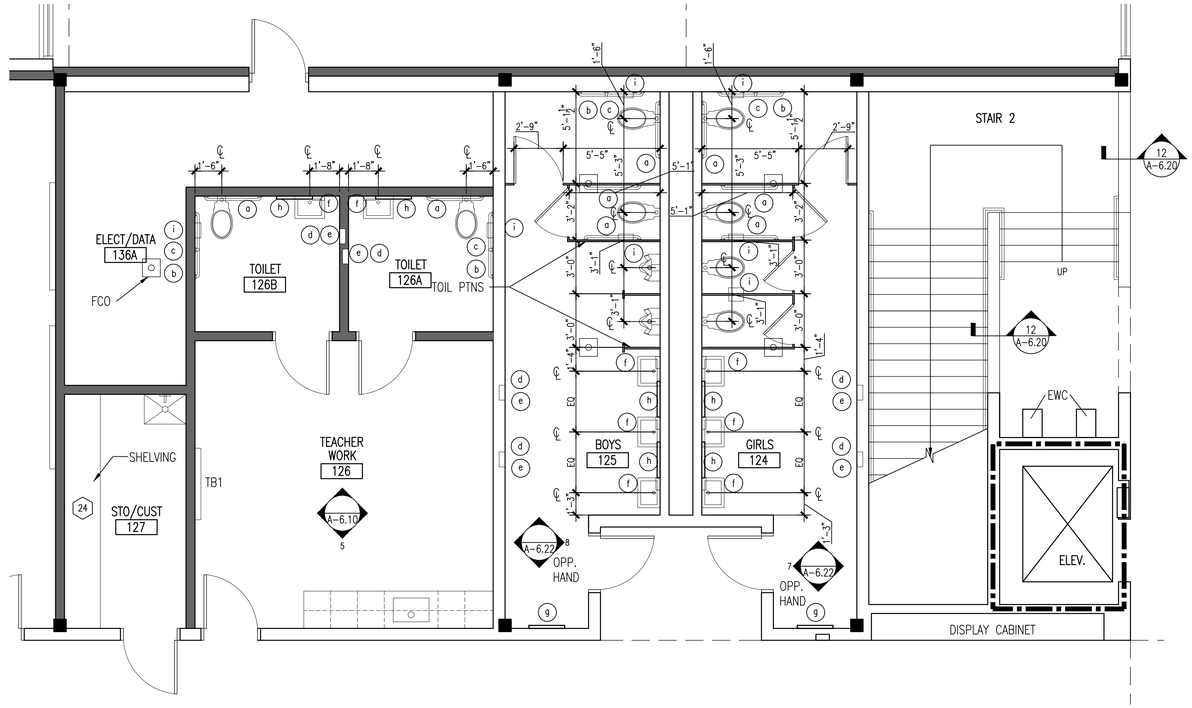
(h) MIRROR: BRADLEY 7481-2436, (ONE PER TOILET ROOM LAVATORY).

(i) ROCKING CONTROL DUAL ROLL TOILET PAPER DISPENSER: MODEL 5241 (TOTAL MATCHES NUMBER OF WATER CLOSETS).

(j) COAT/CLOTHES HOOK: BRADLEY 915 (ONE PER STALL DOOR).

(k) BABY CHANGING STATION: MODEL 962-11; SURFACE MOUNTED, STAINLESS STEEL UNIT WITH INTEGRATED DUAL LINER DISPENSER. (WHERE SHOWN IN PRE-KINDERGARTEN TOILET ROOMS. ALSO IN 2 STAFF TOILETS WHERE NOTED. INCLUDE ONE 3 CASES, TOTAL, P11-021, 500 REFILL BIO-DEGRADABLE LINERS).

(l) MOP RACK: MODEL 9933 – 4 HOOKS/3 HOLDERS. ONE PER CUSTODIAL CLOSET.



GENERAL NOTES

(No.) INDICATES WIDTH OF 5 PLYWOOD SHELVES ON HEAVY DUTY STANDARDS AND BRACKETS

ALL TOILET STALLS SHALL HAVE 32" WIDE CLEAR OPENING

ENLARGED FLOOR PLAN-FIRST FLOOR 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

TB1 = 4'X4' TACK BOARD

TB2 = 6'X6' TACK BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated ARCHITECTURE 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 NORTH CAROLINA CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1.		
2.		
3.		
4.		

ENLARGED FLOOR PLANS

0 1' 2' 4' 8'

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

BID AND CONSTRUCTION

A-4.1

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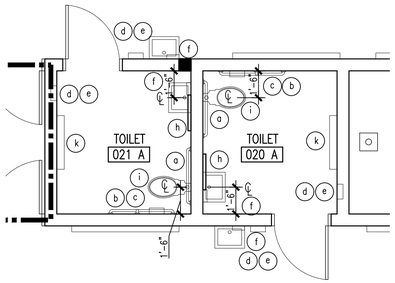
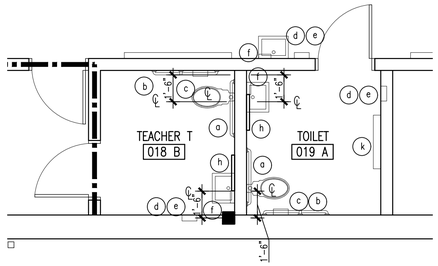
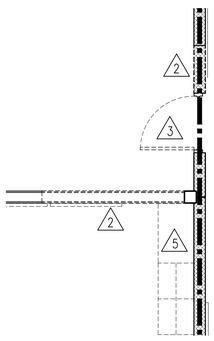
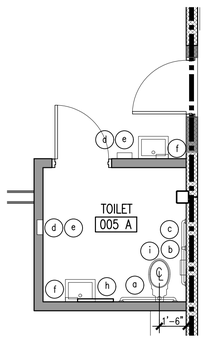


ENLARGED FLOOR PLAN-FIRST FLOOR | 6

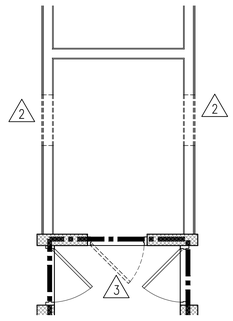


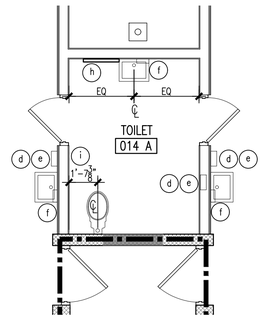
ENLARGED FLOOR PLAN-FIRST FLOOR | 5



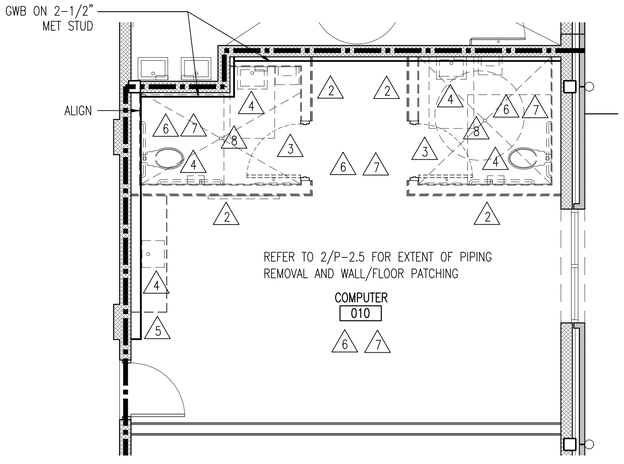


DEMO/REPAIR | ENLARGED FLOOR PLAN - FIRST FLOOR | 4





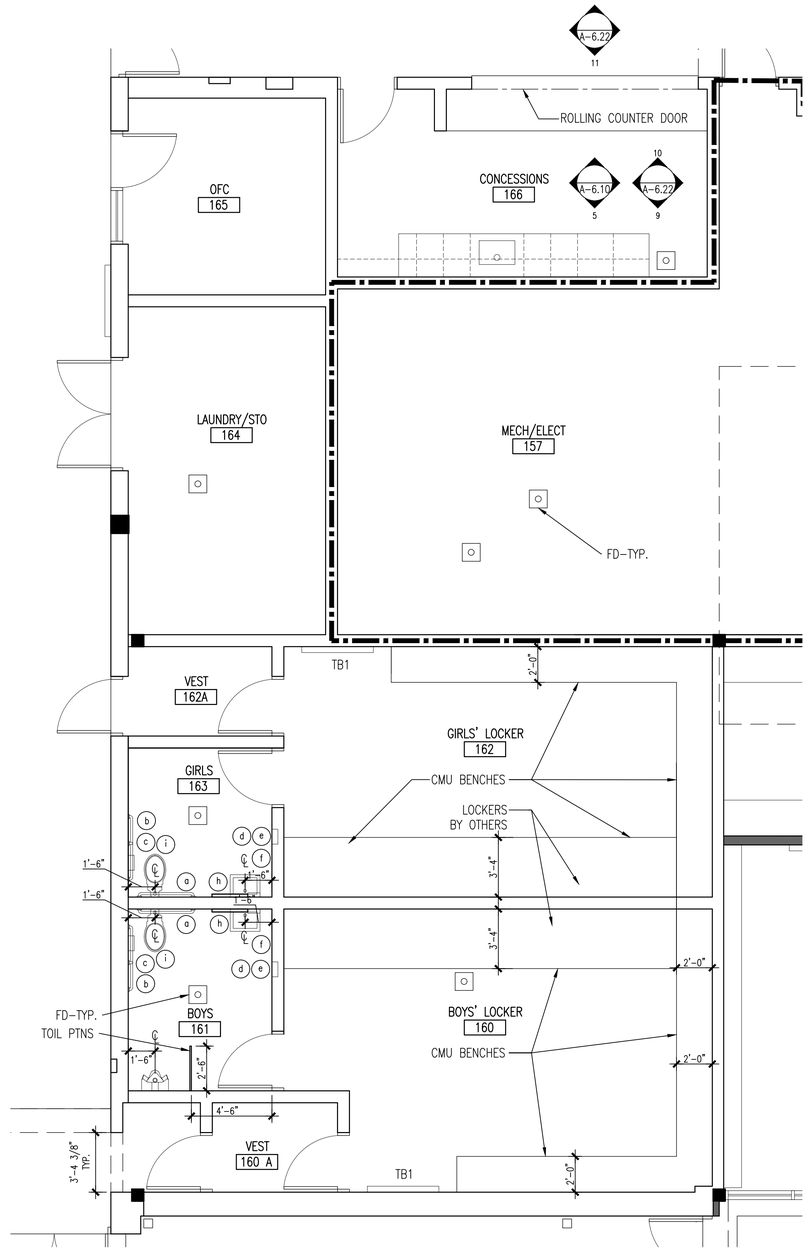
DEMO/REPAIR | ENLARGED FLOOR PLAN - FIRST FLOOR (ALSO AT TOILET 016 A) | 3



DEMOLITION IN EXISTING CLASSROOM BLDG | ENLARGED FLOOR PLAN - FIRST FLOOR | 2

DEMOLITION-REPAIR NOTES

1. SALVAGE TOILET ACCESSORIES AND TURN OVER TO OWNER
2. REMOVE WALLS AND PATCH
3. REMOVE DOOR AND FRAMES - TURN OVER TO OWNER
4. REMOVE FIXTURES - TURN OVER TO OWNER
5. REMOVE CASEWORK - TURN OVER TO OWNER
6. PATCH FLOORING TO MATCH THE EXIST. VCT
7. REPAIR CEILING TO MATCH THE EXIST. TECTUM CLG
8. PATCH CONCRETE SLAB



ENLARGED FLOOR PLAN-FIRST FLOOR | 1

TOILET ACCESSORY SCHEDULE

(a) GRAB BAR: BRADLEY 812 SERIES, 1 ¼" INCH DIAMETER WITH PEENED SURFACE, 36" LONG, CONCEAL MOUNTING FLANGES WITH SNAP FLANGE COVERS (FLUSH VALVE SIDE).

(b) GRAB BAR: BRADLEY 812 SERIES, 1 ¼" INCH DIAMETER WITH PEENED SURFACE, 42" LONG, CONCEAL MOUNTING FLANGES WITH SNAP FLANGE COVERS (PARTITION SIDE, HORIZONTAL).

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(l) MOP RACK: MODEL 9933 - 4 HOOKS/3 HOLDERS. ONE PER CUSTODIAL CLOSET.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

TB1 = 4'X4' TACK BOARD

TB2 = 6'X6' TACK BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

ENLARGED FLOOR PLANS

SCALE: 1/4" = 1'-0" (0 1' 2' 4' 8')

BID AND CONSTRUCTION

A-4.2

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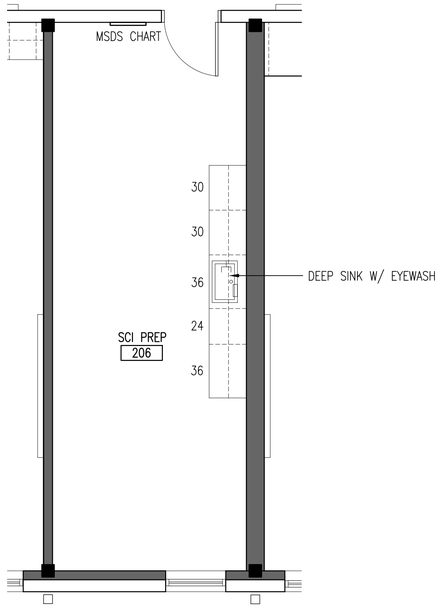
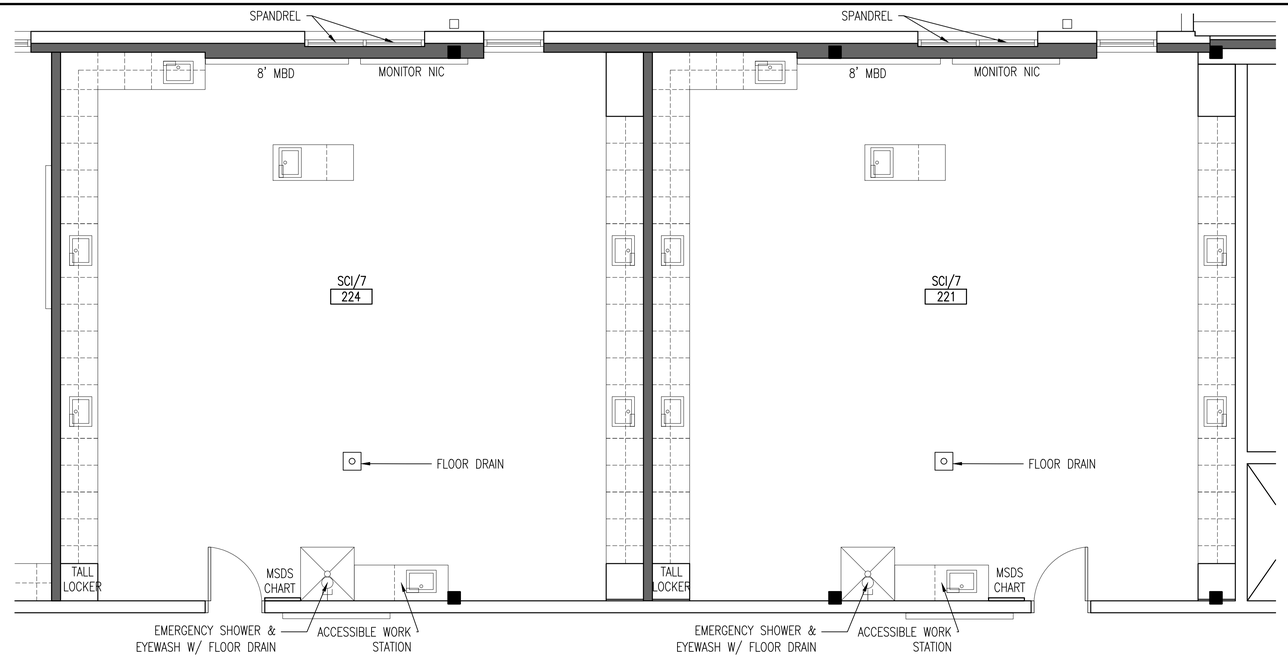
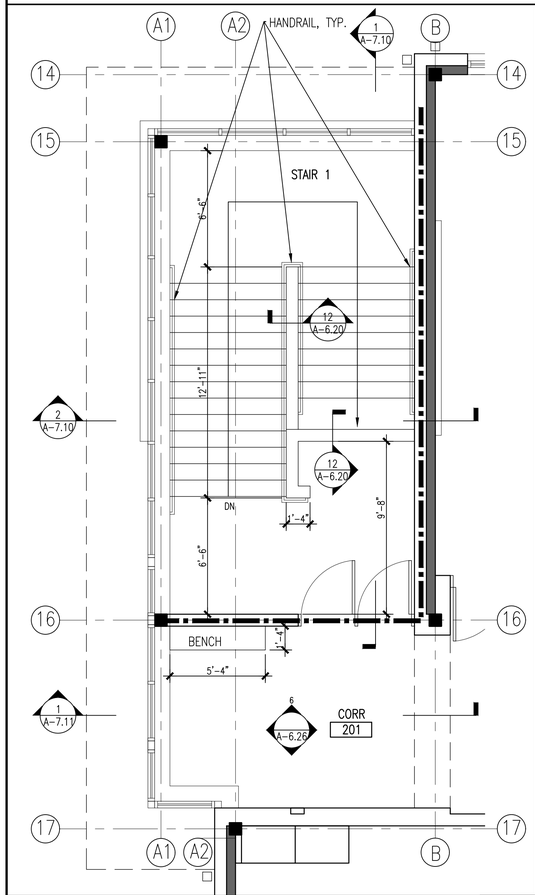


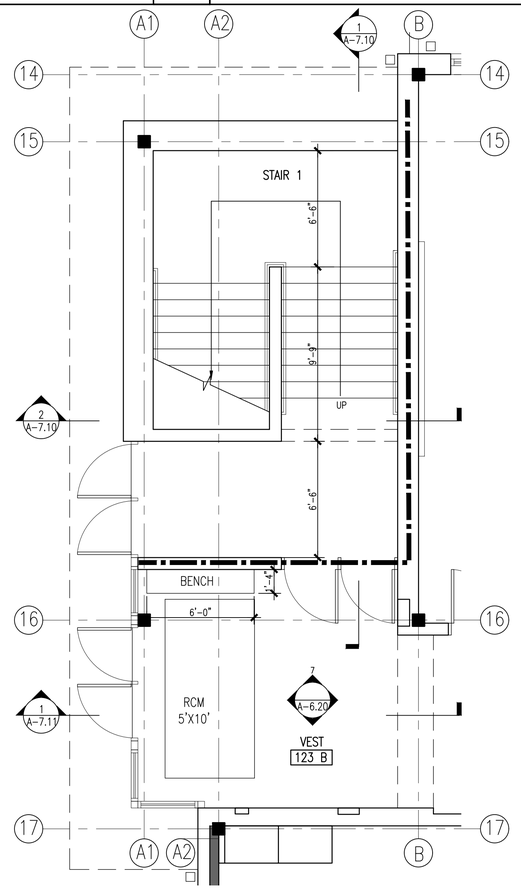
ENLARGED FLOOR PLAN @ SCIENCE PREP 6



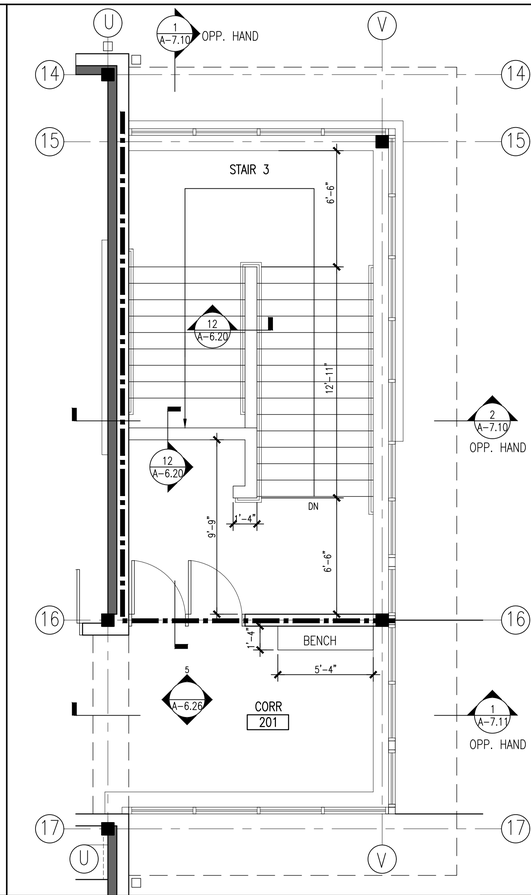
ENLARGED FLOOR PLAN @ SCIENCE 5



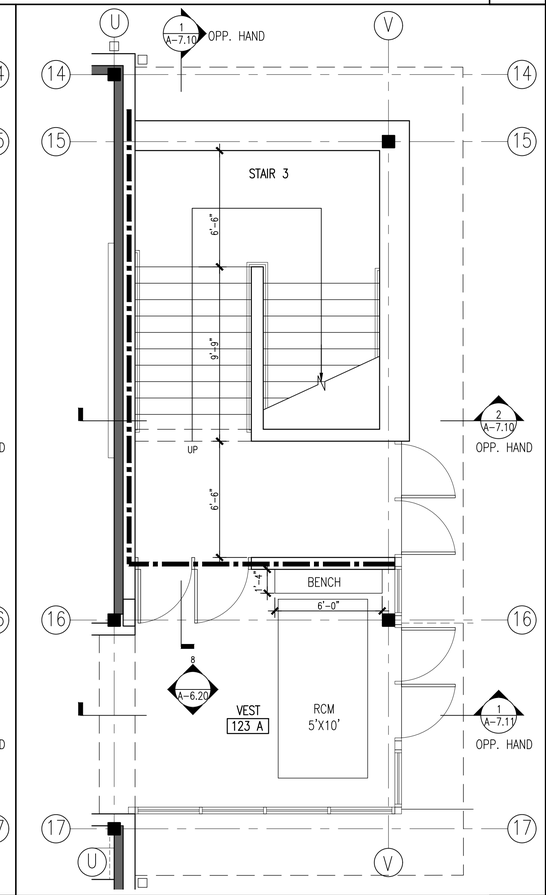
STAIR 1-SECOND FLOOR 4



STAIR 1-FIRST FLOOR 3



STAIR 3-SECOND FLOOR 2



STAIR 3 STAIRCASE-FIRST FLOOR 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

TB1 = 4'X4' TACK BOARD

TB2 = 6'X6' TACK BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Licensed Architecture 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON Registered Architect 3671 North Carolina Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

ENLARGED FLOOR PLANS

SCALE: 1/4" = 1'-0" 0 1' 2' 4' 8'

BID AND CONSTRUCTION

A-4.3

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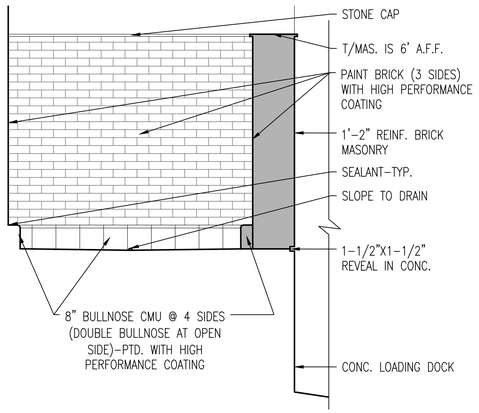
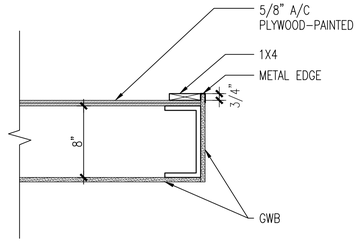


CAN WASH

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

7

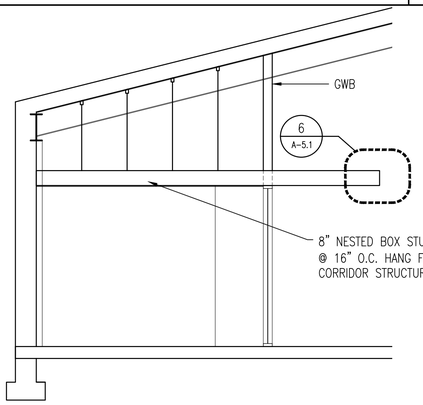


TYP.-3 SIDES

RLV - CANTILEVERED SOFFIT

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

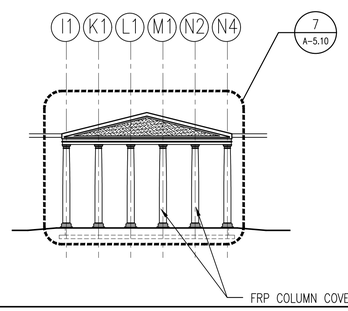
6



RLV - CANTILEVERED SOFFIT

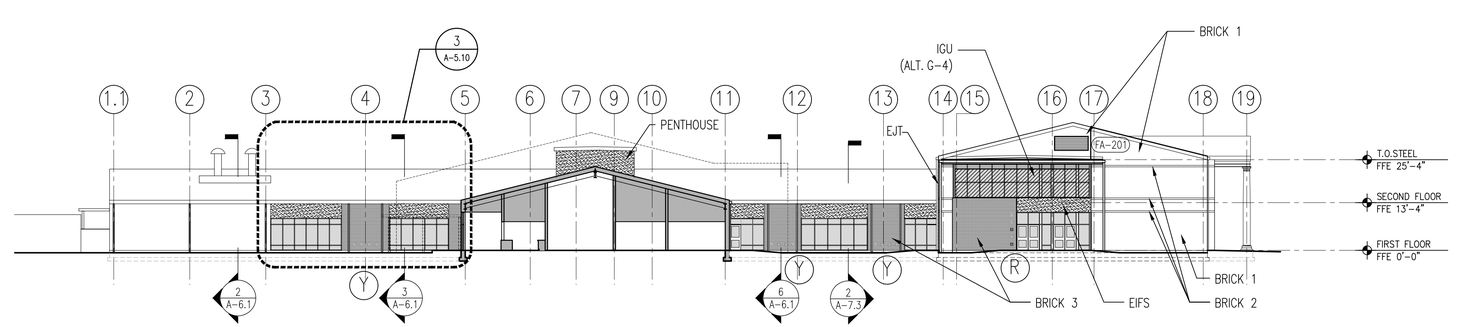
Scale: 1/4" = 1'-0"

5



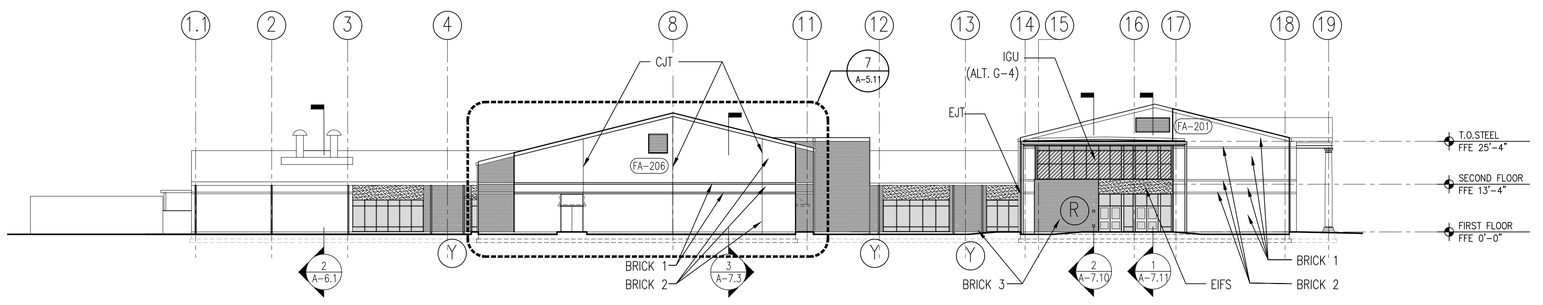
FRONT PORTICO - REF TO 7/A-5.10

1A



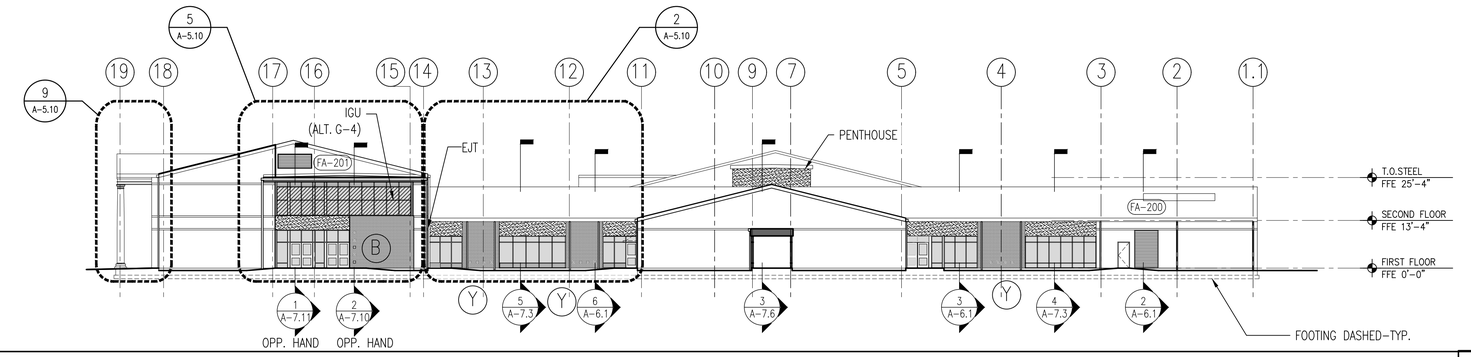
EAST ELEVATION

4



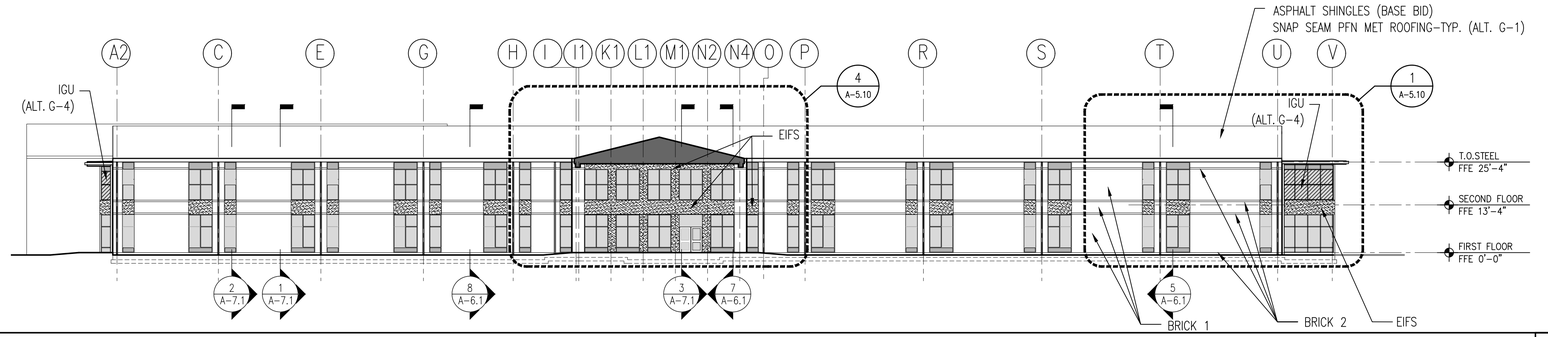
EAST ELEVATION

3



WEST ELEVATION

2



NORTH ELEVATION - A

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

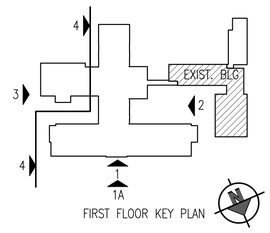
(Y) ACCENT TILE COLOR IN FACE BRICK

Y=YELLOW

R=RED

B=BLUE

ALT G5: PROVIDE IGU GLAZING WHERE NOTED "IGU" ON EXTERIOR ELEVATIONS



FIRST FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated
NORTH CAROLINA
51679
Chapel Hill, NC

DAVID H. CLINTON
REGISTERED ARCHITECT
3671
CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

EXTERIOR ELEVATIONS

0 5' 10' 20' 40'

Scale: 1/20" = 1'-0" (U.O.N.)

BID AND CONSTRUCTION

A-5.1

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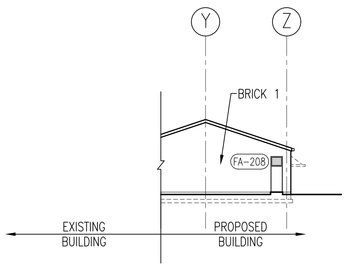
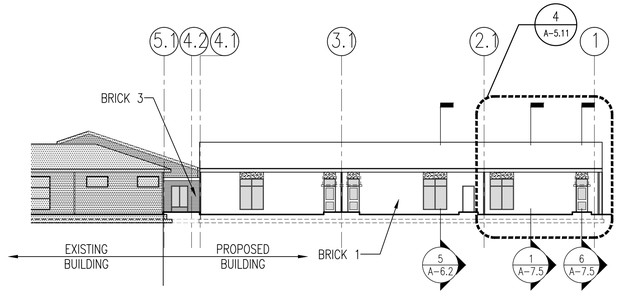
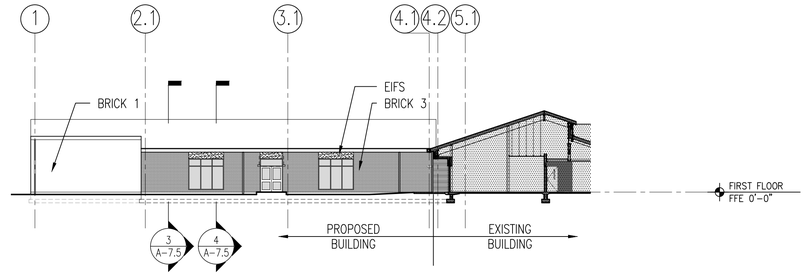


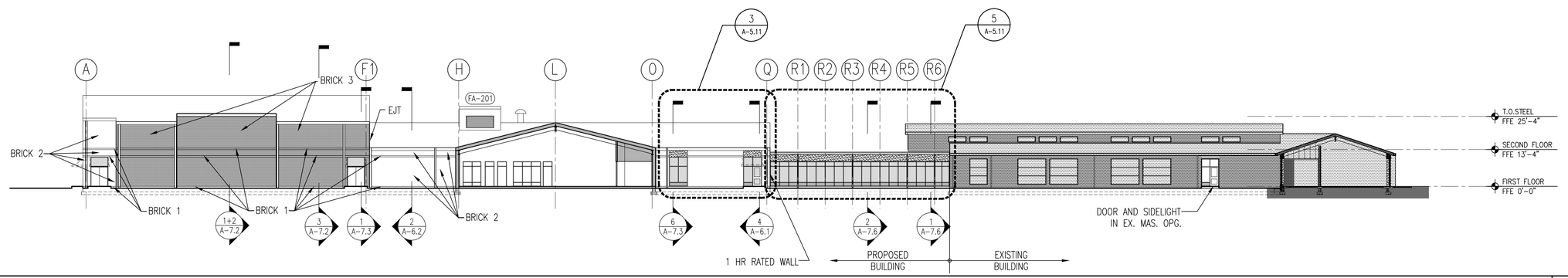
NORTH ELEVATION @ ADDITION 6



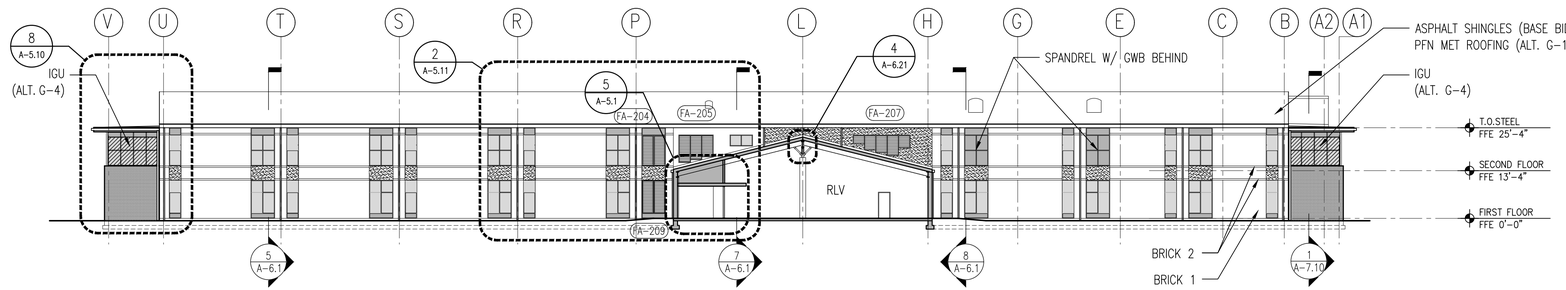
WEST ELEVATION @ ADDITION 5



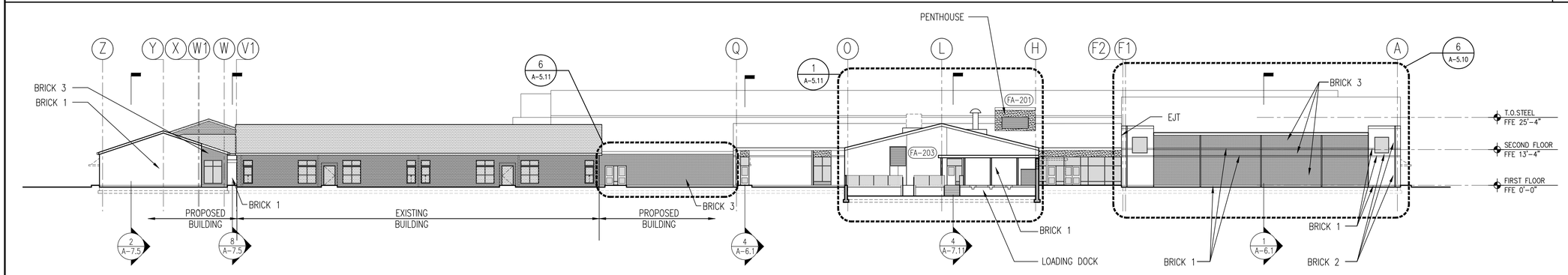
EAST ELEVATION @ ADDITION 4



NORTH ELEVATION - B 3



SOUTH ELEVATION - B 2



SOUTH ELEVATION - A 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

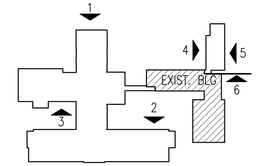
(Y) ACCENT TILE COLOR IN FACE BRICK

Y=YELLOW

R=RED

B=BLUE

ALT G5: PROVIDE IGU GLAZING WHERE NOTED "IGU" ON EXTERIOR ELEVATIONS



FIRST FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Licensed Architecture 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 North Carolina CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

EXTERIOR ELEVATIONS

0 5' 10' 20' 40'

Scale: 1/20" = 1'-0"

BID AND CONSTRUCTION

A-5.2

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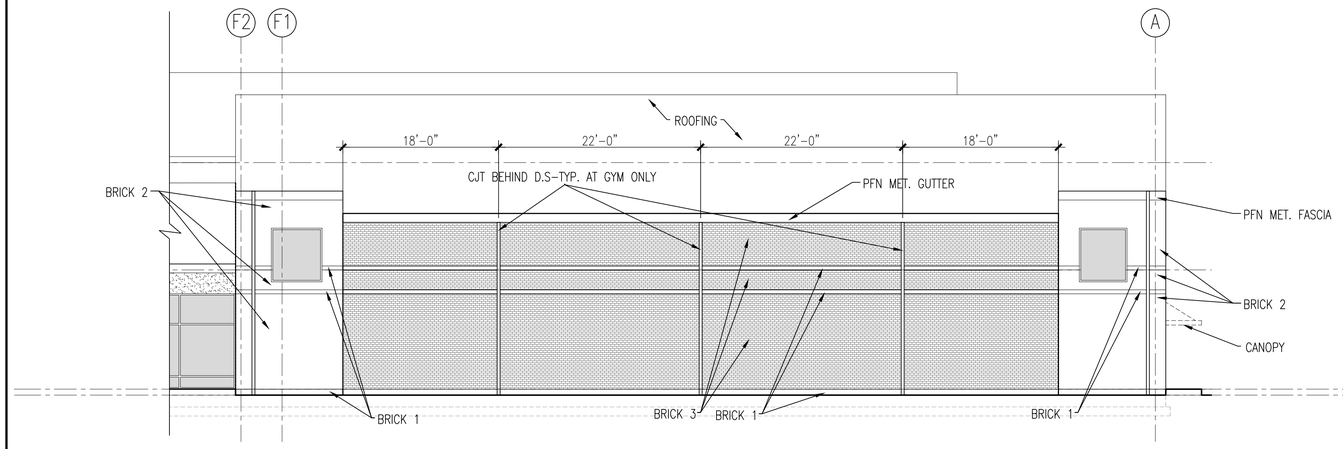
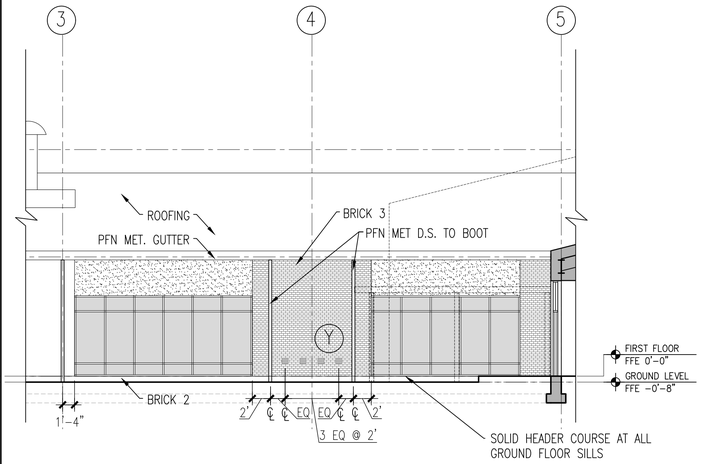
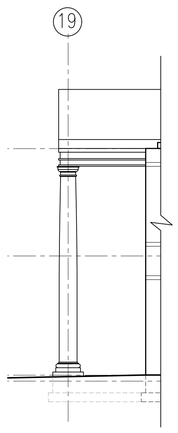


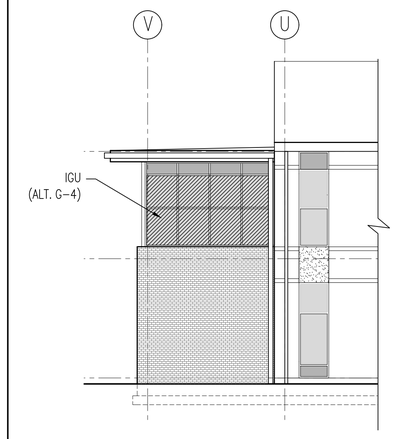
SOUTH ELEVATION @ GYM 6



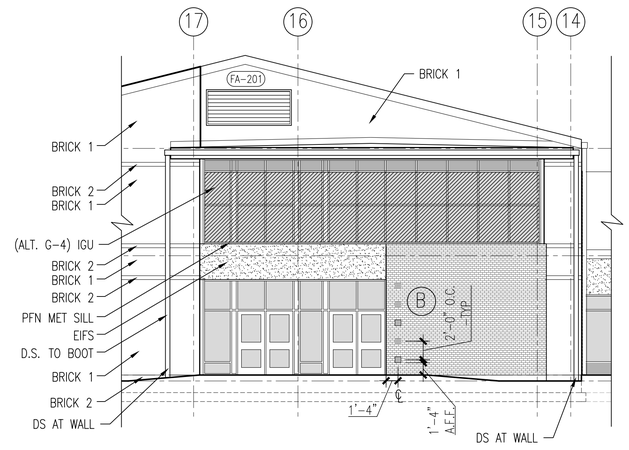
@ CAFETERIA 3



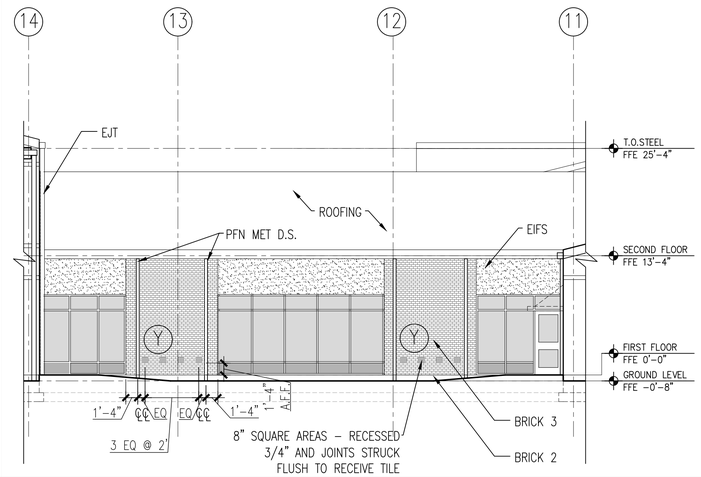
@ PORTICO 9



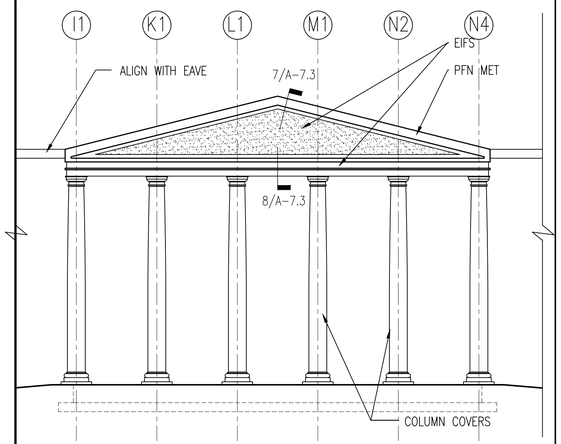
@ STAIR 3 8



@ STAIR 3 5



@ RLV 2



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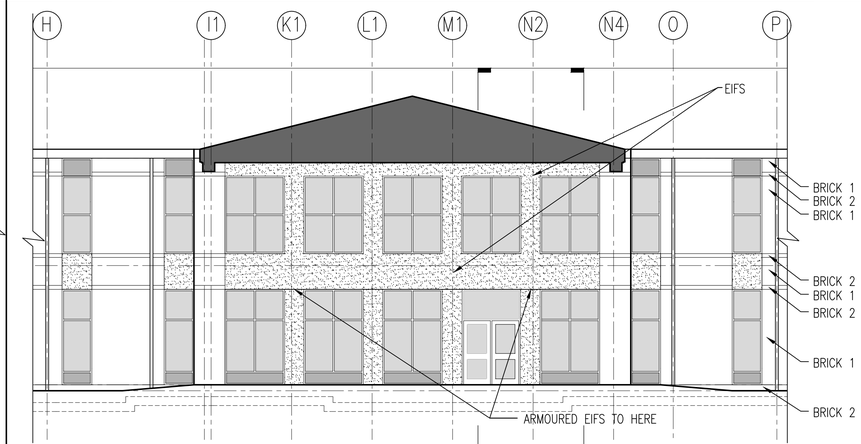
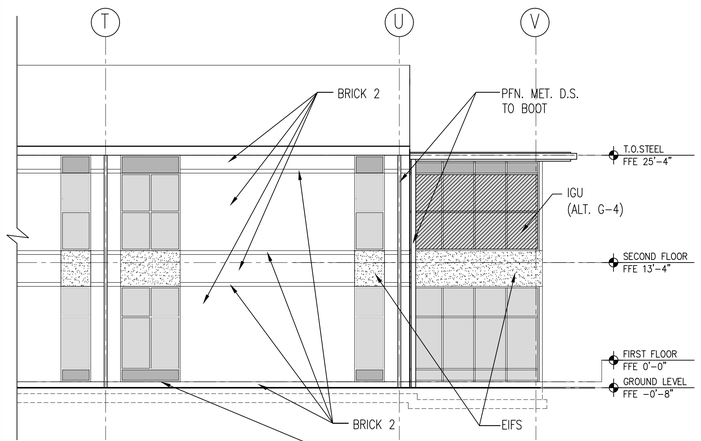


@ ENTRANCE 4



@ STAIR 3 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

(Y) ACCENT TILE COLOR IN FACE BRICK

Y=YELLOW

R=RED

B=BLUE

ALT G5: PROVIDE IGU GLAZING WHERE NOTED "IGU" ON EXTERIOR ELEVATIONS

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

ENLARGED PARTIAL EXTERIOR ELEVATIONS

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-5.10

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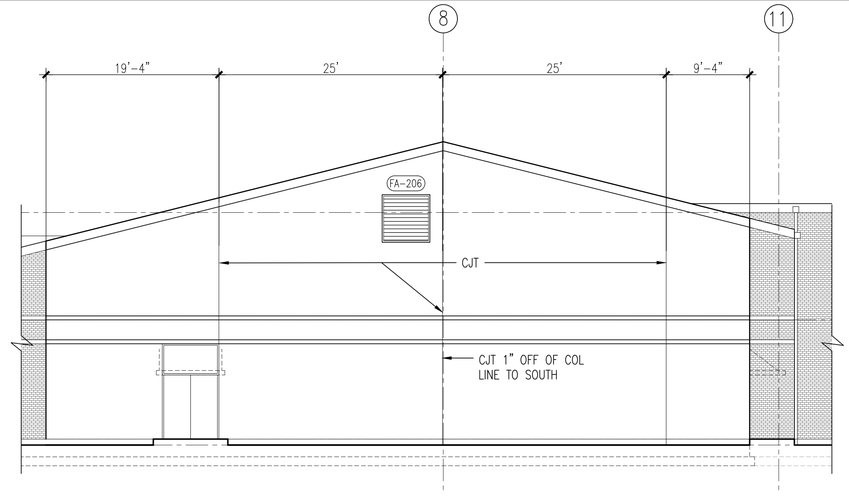
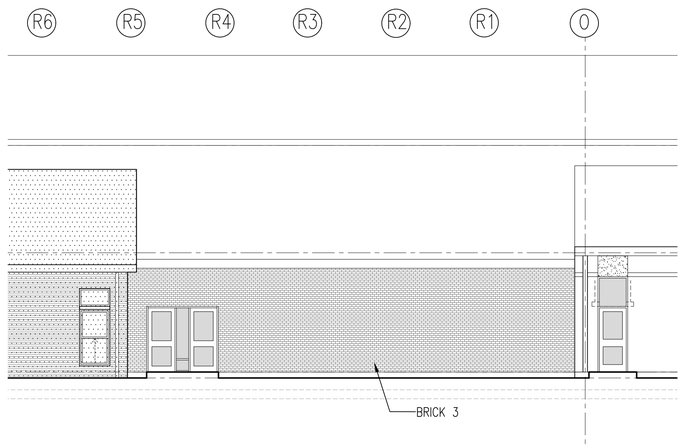
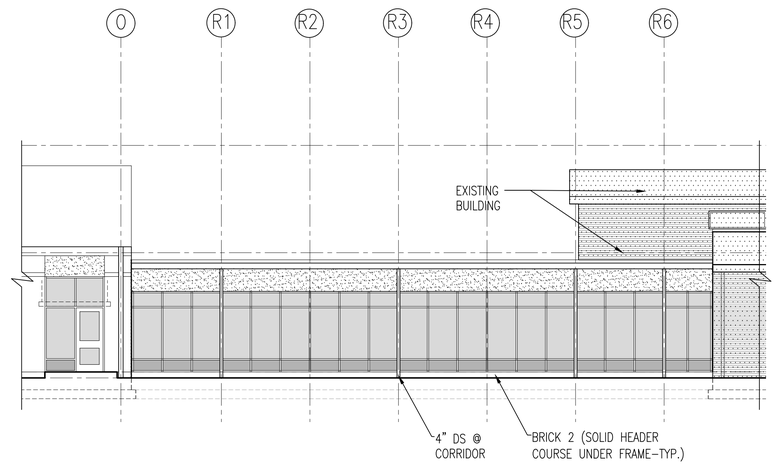


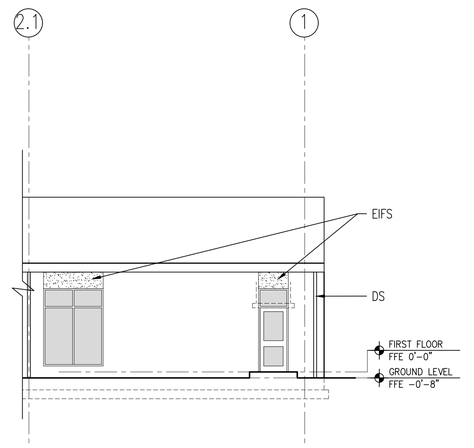
EAST ELEVATION @ GYM — 7



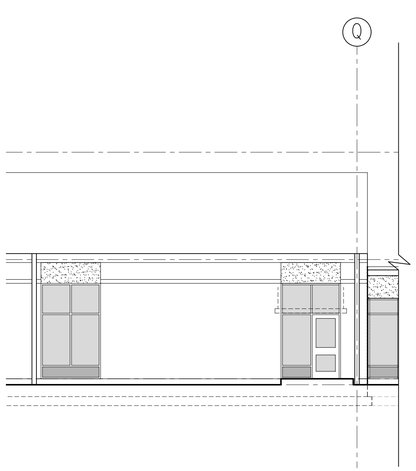
SOUTH ELEVATION @ CORRIDOR — 6



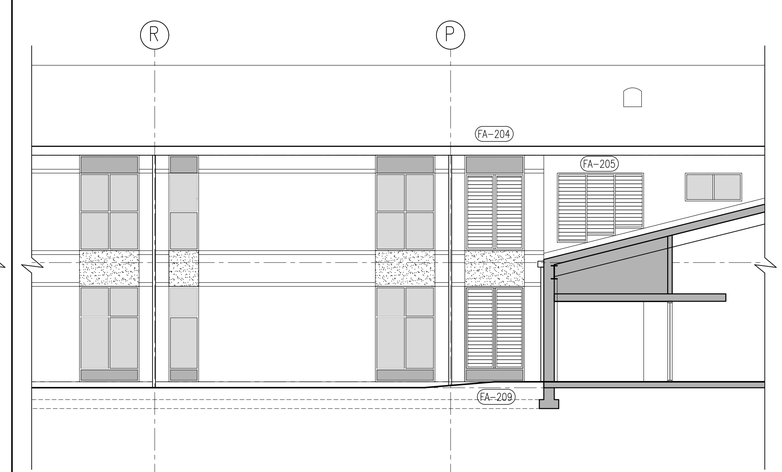
NORTH ELEVATION @ CORRIDOR — 5



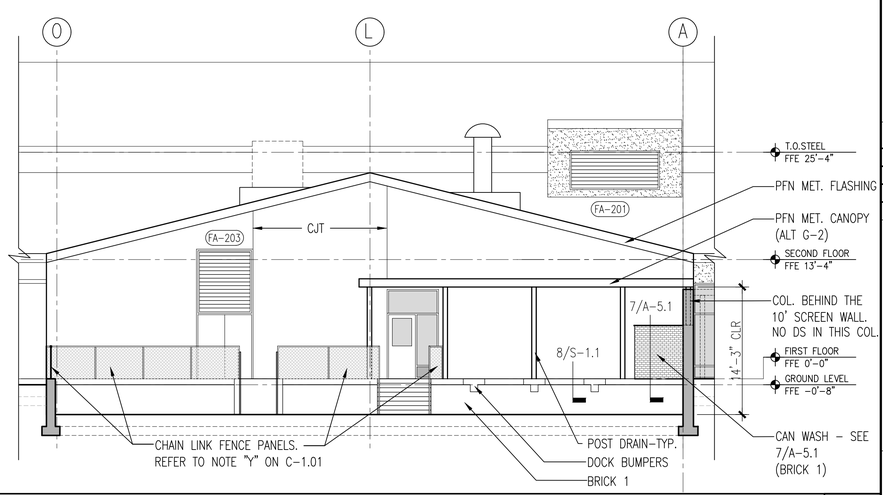
@ ADDITION — 4



@ ART CLASSROOM — 3



@ CLASSROOMS 115, 206 — 2



@ LOADING DOCK — 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEGEND

(Y) ACCENT TILE COLOR IN FACE BRICK

Y=YELLOW

R=RED

B=BLUE

ALT G5: PROVIDE IGU GLAZING WHERE NOTED "IGU" ON EXTERIOR ELEVATIONS

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

ENLARGED PARTIAL EXTERIOR ELEVATIONS

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-5.11

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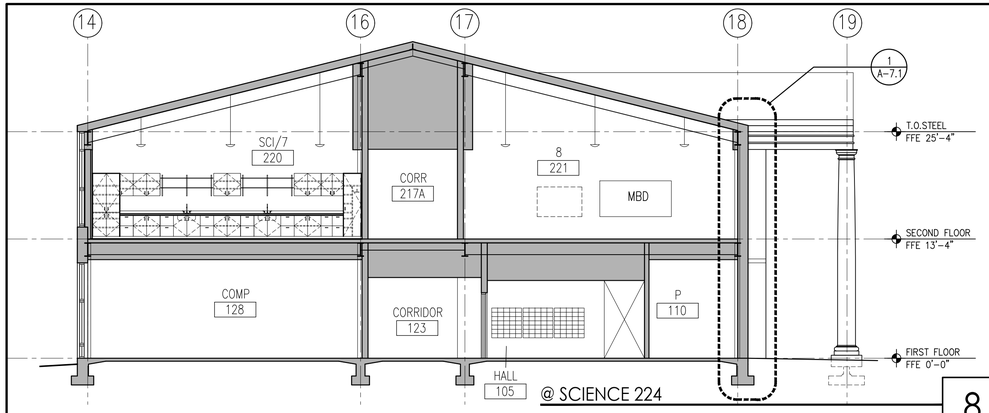
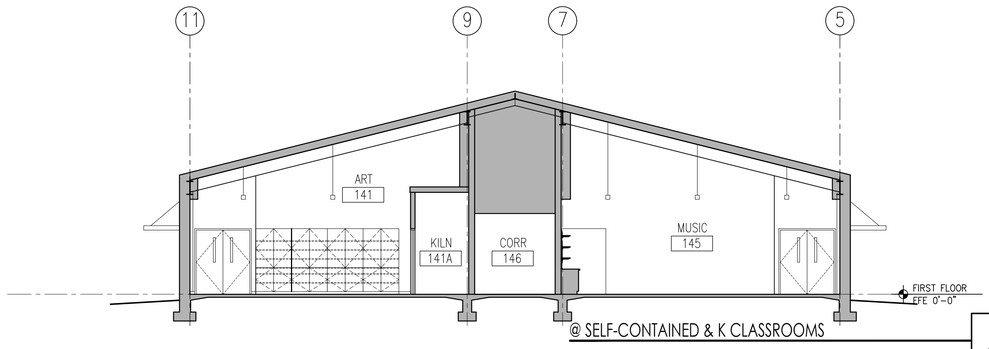


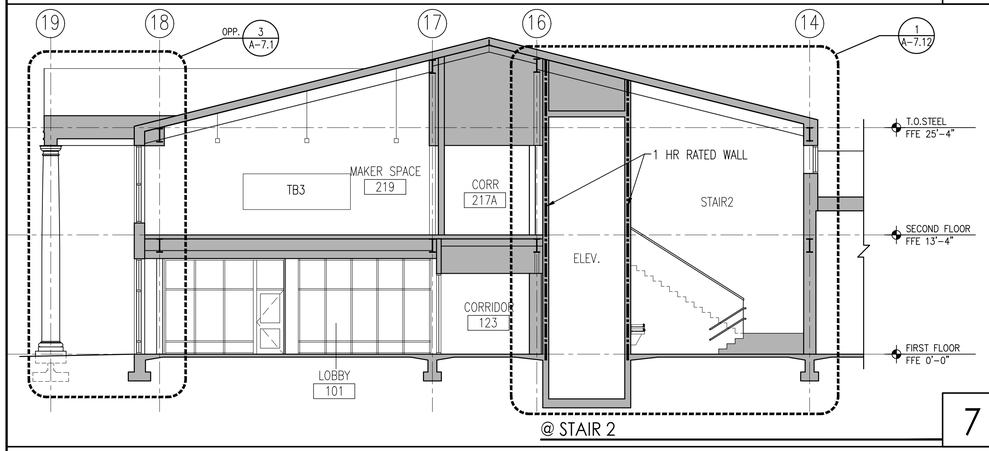
@ SCIENCE 224

8



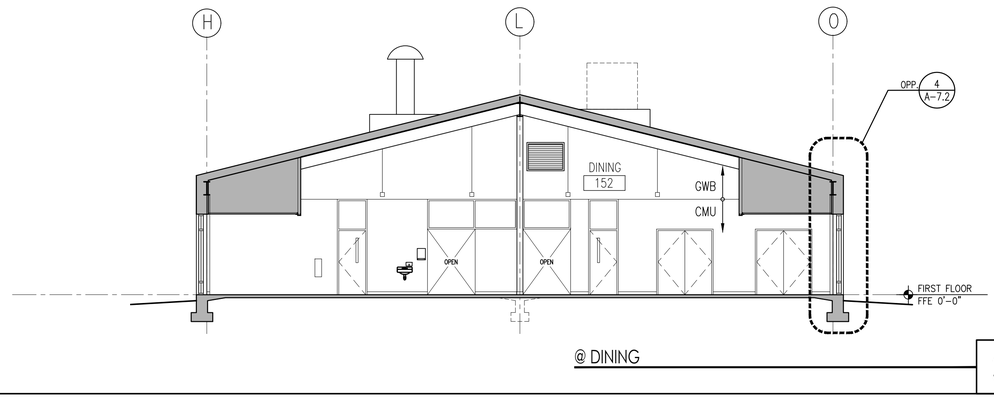
@ SELF-CONTAINED & K CLASSROOMS

4



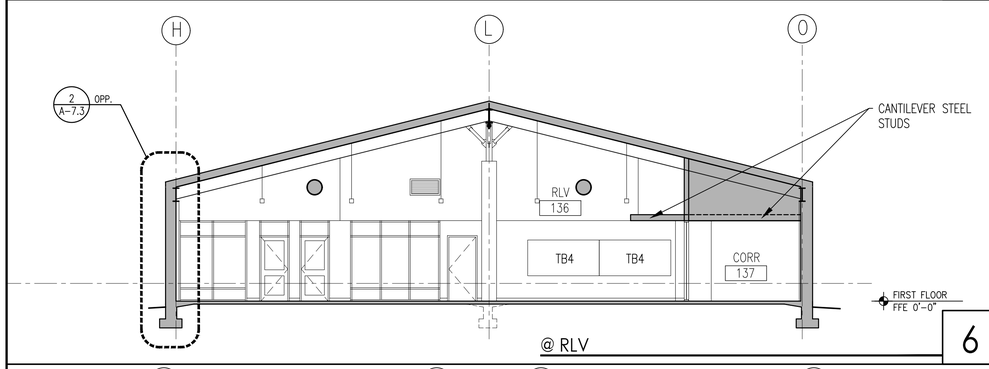
@ STAIR 2

7



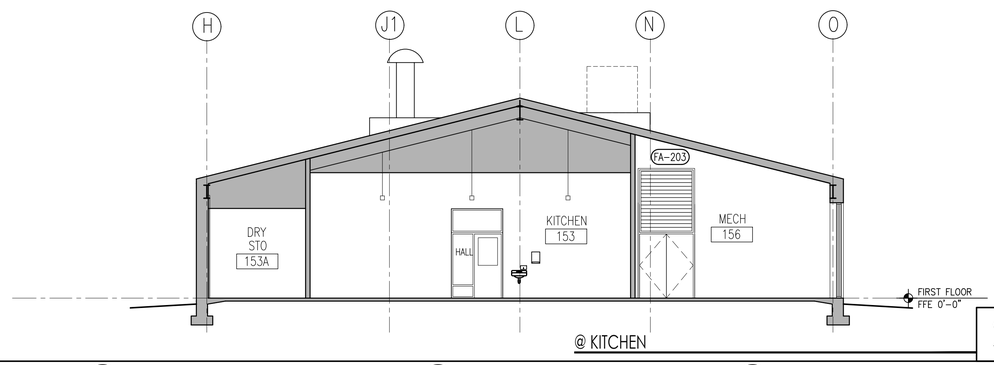
@ DINING

3



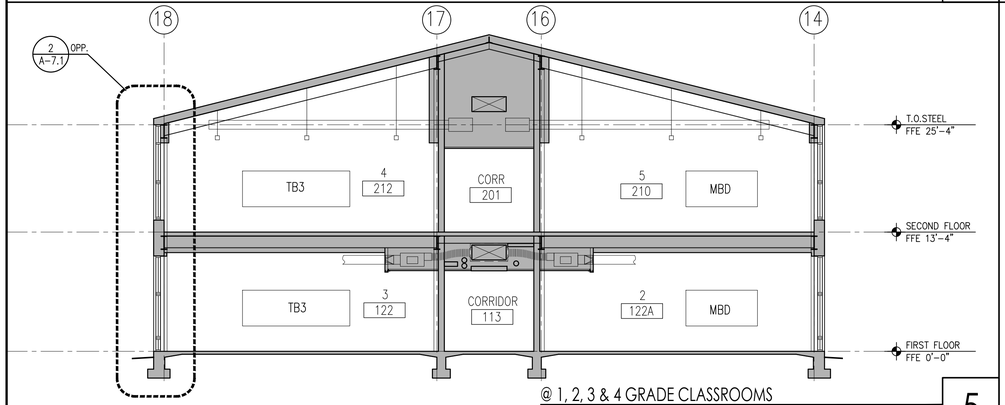
@ RLV

6



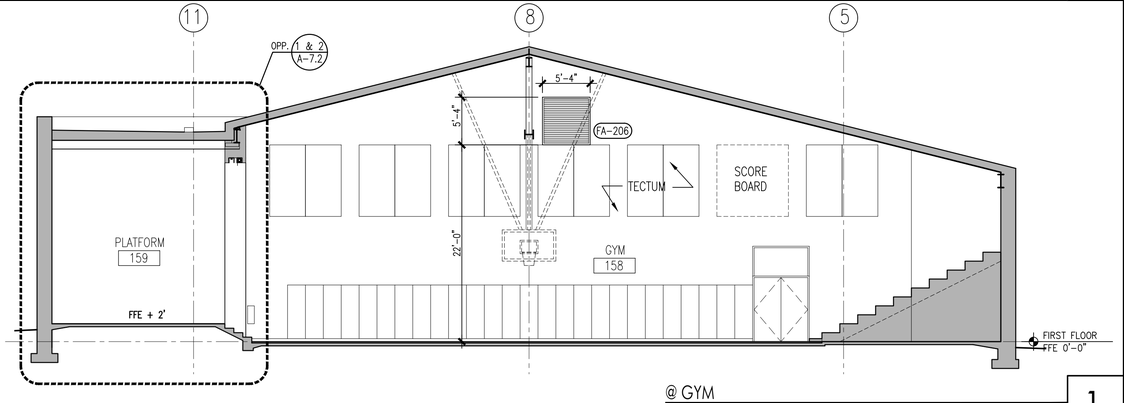
@ KITCHEN

2



@ 1, 2, 3 & 4 GRADE CLASSROOMS

5



@ GYM

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

BUILDING SECTIONS

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-6.1

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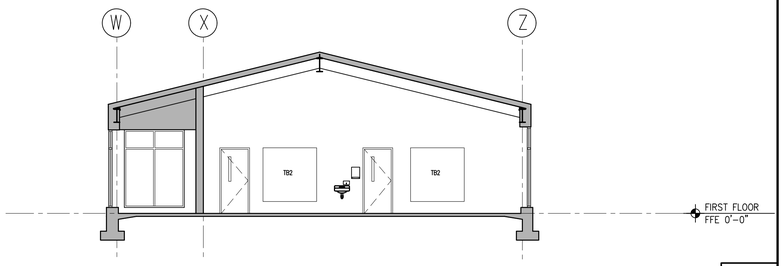
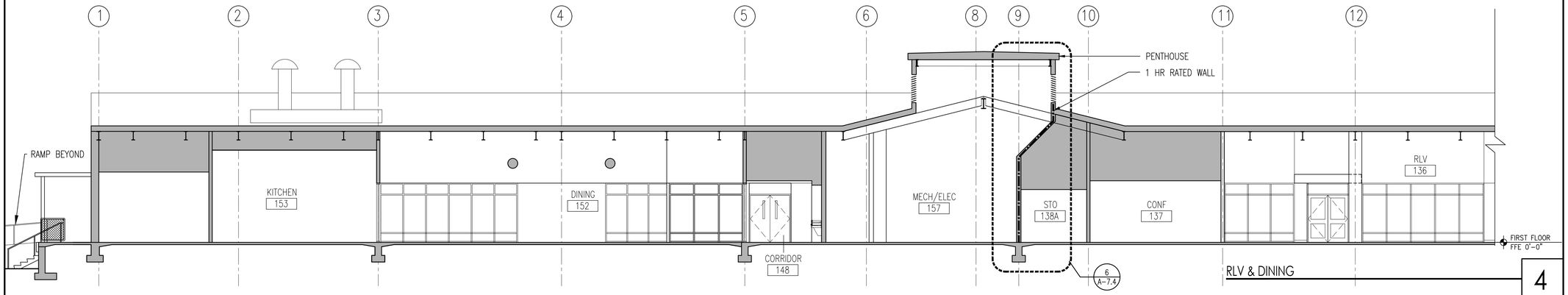


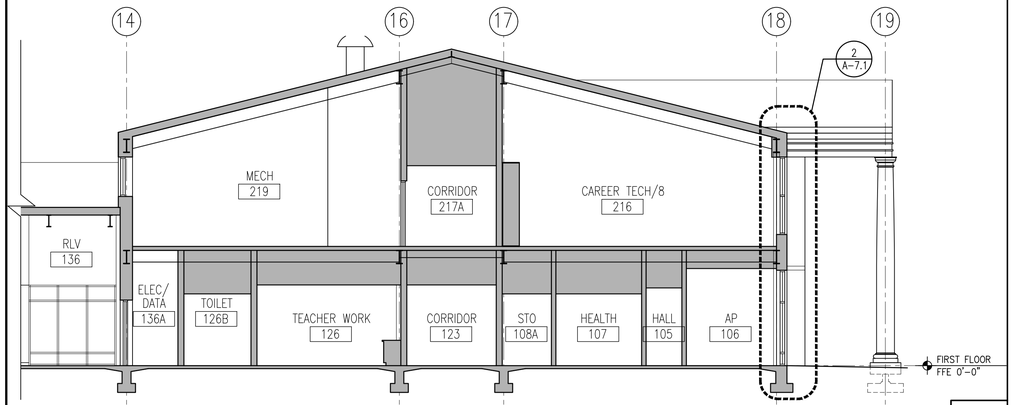
@ PK ADDITION

5



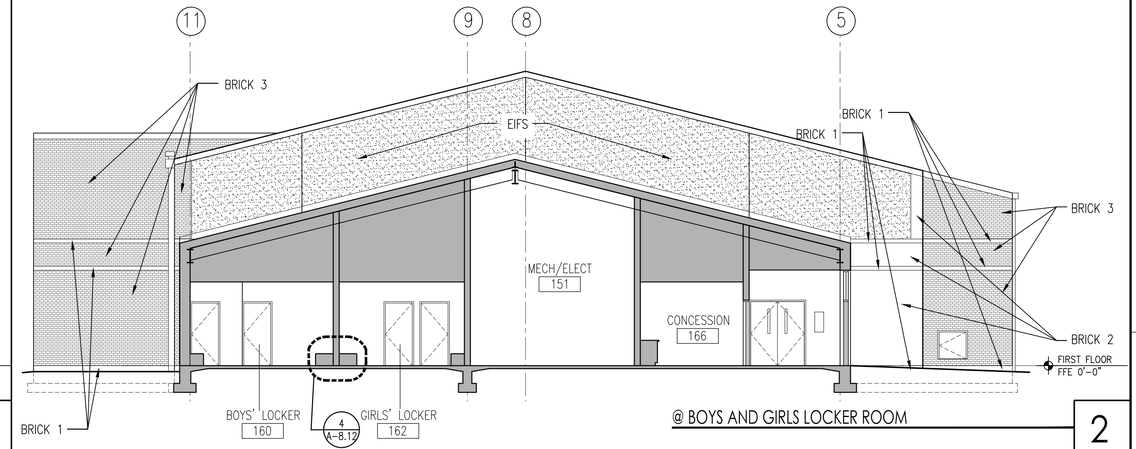
RLV & DINING

4



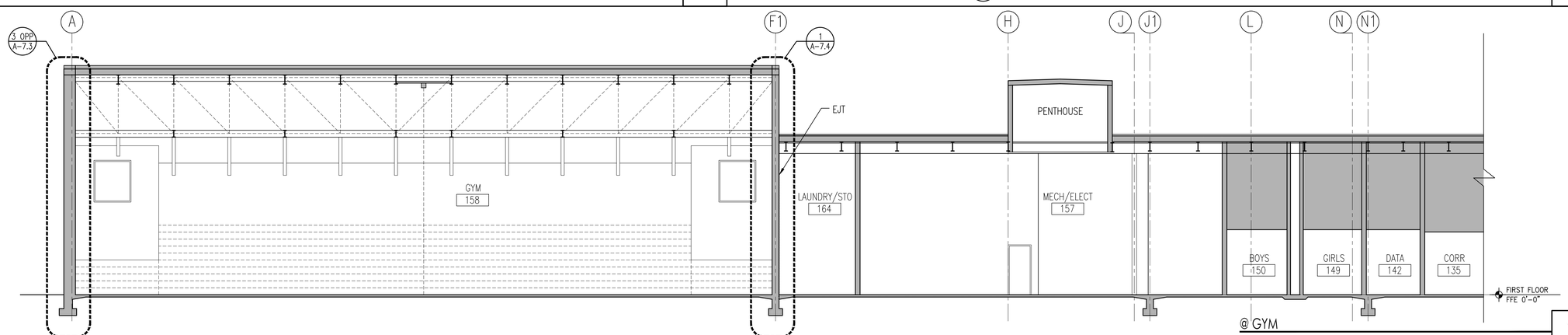
@ TEACHER WORK & CAREER TECH/8

3



@ BOYS AND GIRLS LOCKER ROOM

2



@ GYM

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON 3671 REGISTERED ARCHITECT CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

BUILDING SECTIONS

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-6.2

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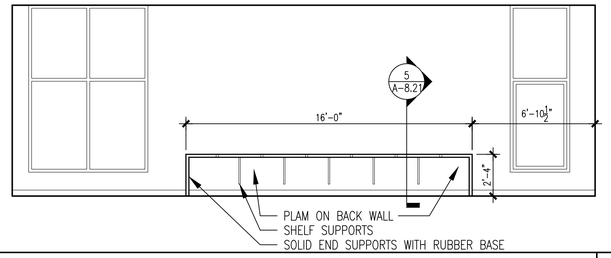
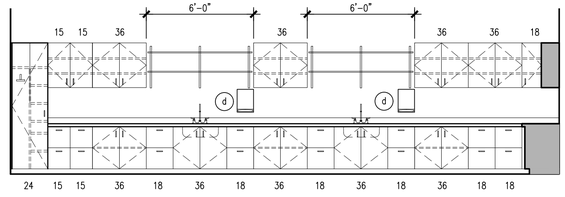
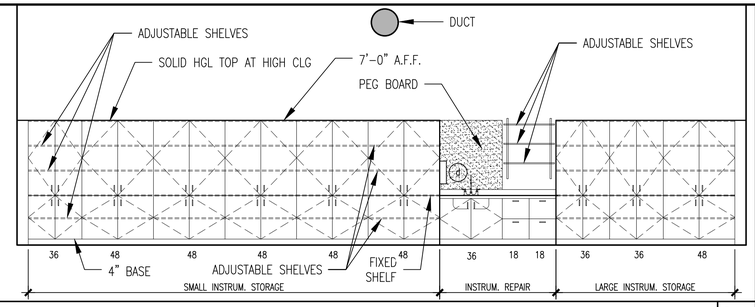


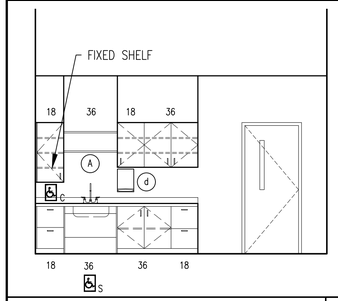
TYP. CLASSROOM COMPUTER DESK | 18



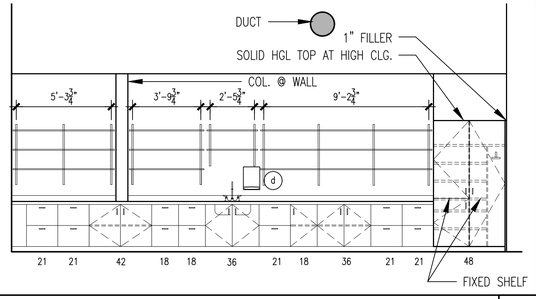
TYP. SCI / 7 - EAST WALL | 17



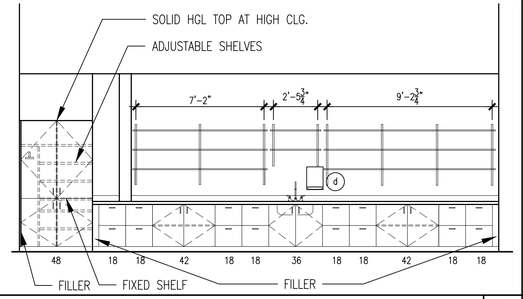
MUSIC 145 | 16



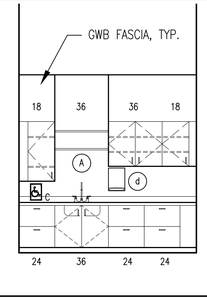
TEACHER WORK 204 | 15



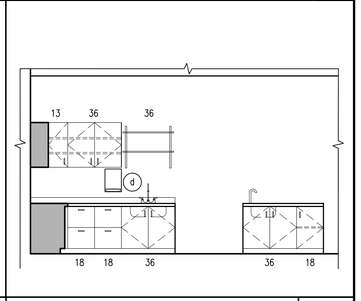
CAREER TECH / 8 225 | 14



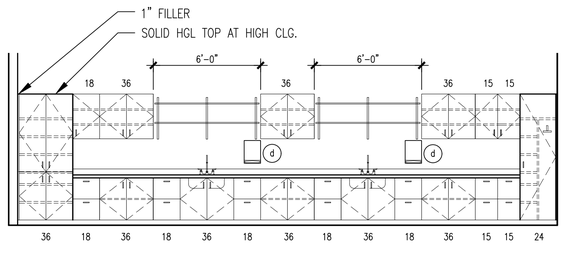
CAREER TECH / 8 220 | 13



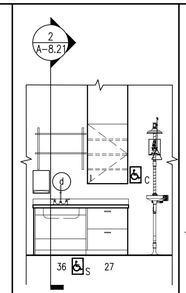
MAKER SPACE 219 | 13A



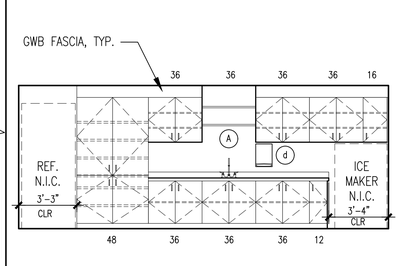
TYP. SCI / 7 - SOUTH WALL | 12B



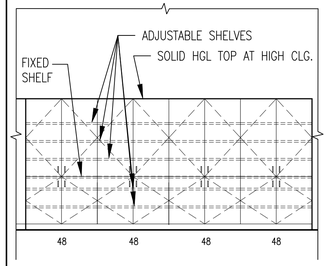
TYP. SCI / 7 - WEST WALL | 12



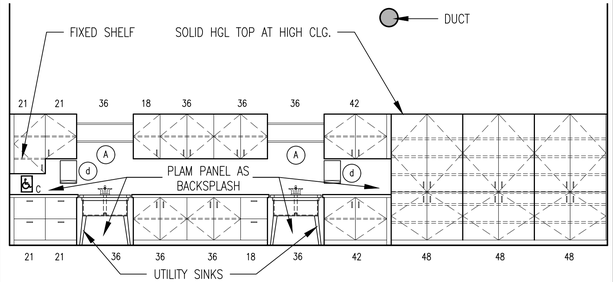
TYP. SCI / 7 - NORTH WALL | 12A



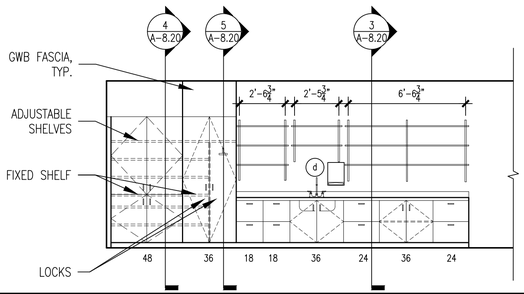
CONCESSION 166 | 11



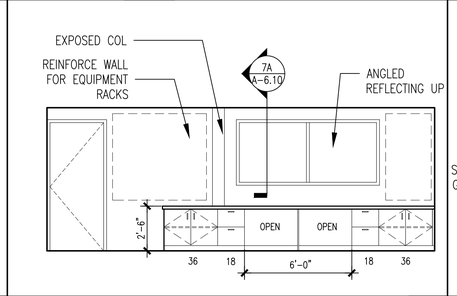
ART 141 - EAST WALL | 10



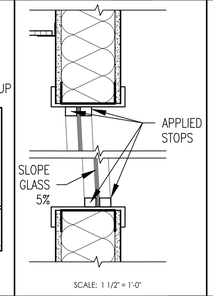
ART 141 - NORTH WALL | 9



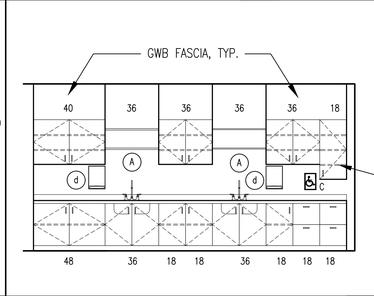
TYP. CLASSROOM | 8



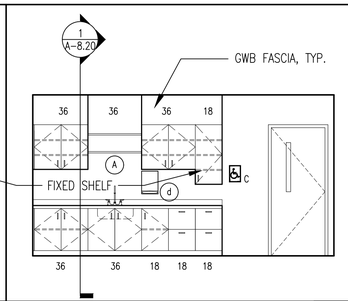
A/V 140B - NORTH WALL | 7



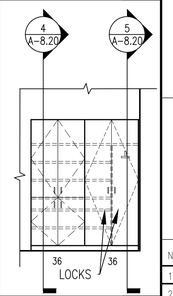
A/V WINDOW DET. | 7A



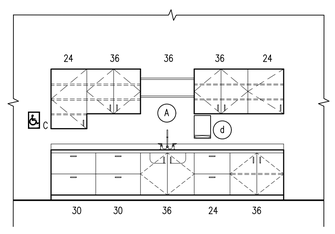
WORK 138 | 6



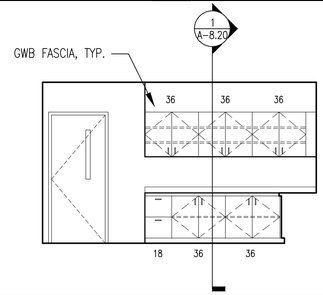
TEACHER WORK 126 | 5



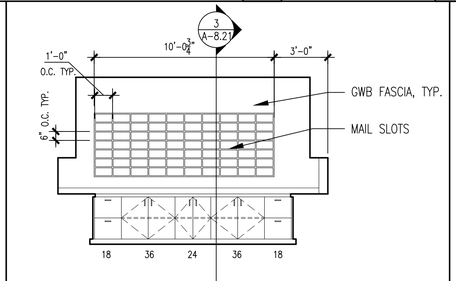
@CLASSROOM | 5A



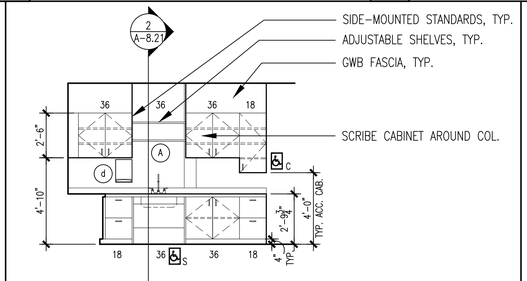
SCI PREP 206 - WEST WALL | 4A



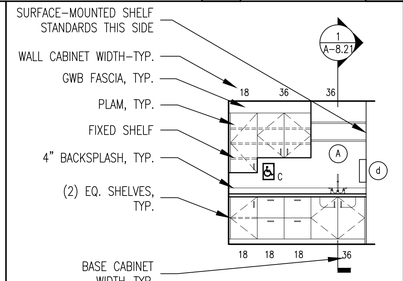
WORK 108 - NORTH WALL | 4



WORK 108 - EAST WALL | 3



WORK 108 - SOUTH WALL | 2



HEALTH 107 | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

(A) K&V 255/ 256 STANDARDS AND BRACKETS-MORTISED INTO SIDES OF CABINETS. SCREW SHELVES TO SUPPORTS

(d) PAPER TOWEL DISPENSER: BRADLEY 250-15.

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 North Carolina Chapel Hill, NC

David H. Clinton Registered Architect 3671 Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

CASEWORK ELEVATIONS

SCALE: 1/4" = 1'-0" (U.O.N.)

0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.10

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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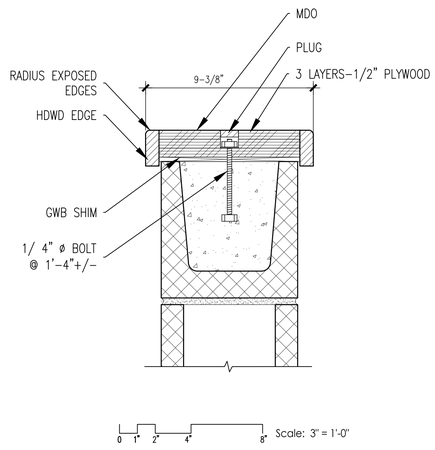
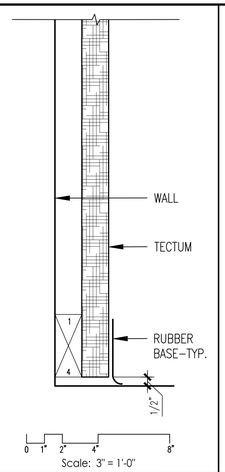
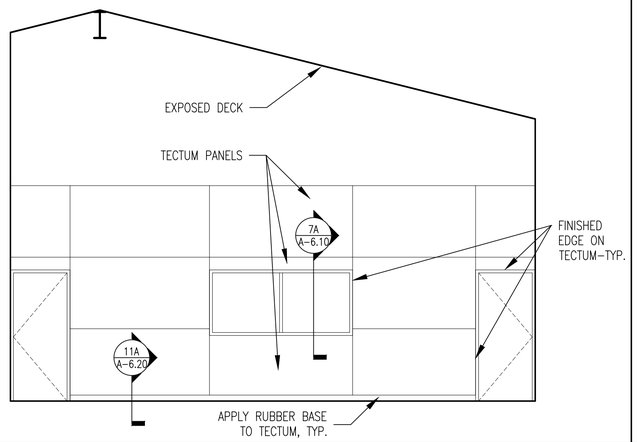


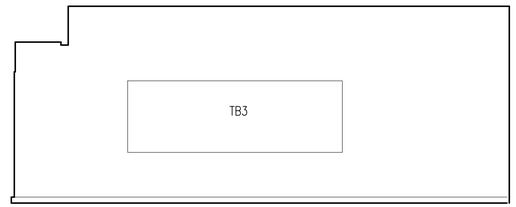
STAIR WALL CAP | 12



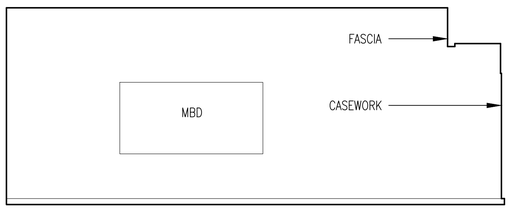
TECTUM PANEL BASE DETIAL | 11A



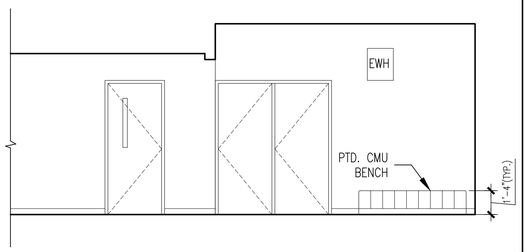
A/V 140 - SOUTH WALL | 11



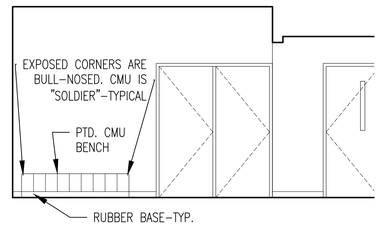
FIRST FLOOR CLASSROOM - TBD WALL | 10



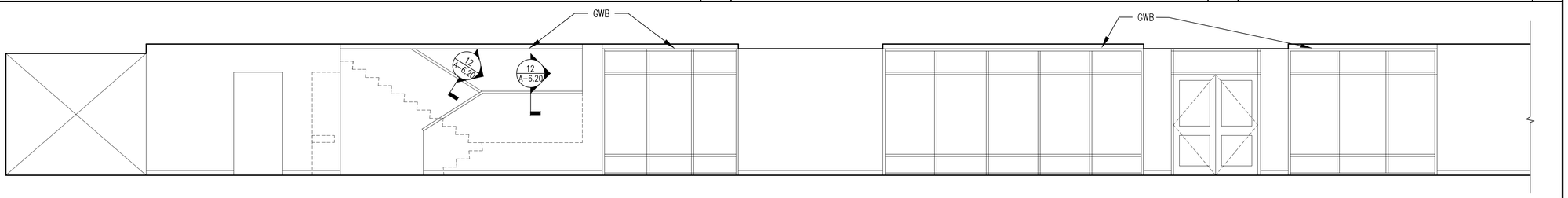
FIRST FLOOR CLASSROOM - @ MBD WALL | 9



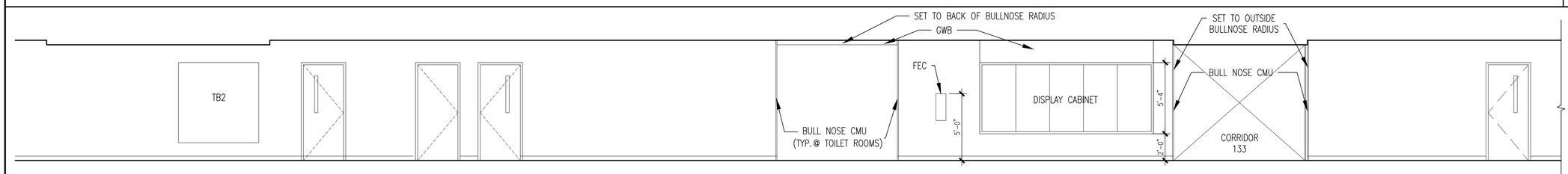
VEST 123A - SOUTH WALL | 8



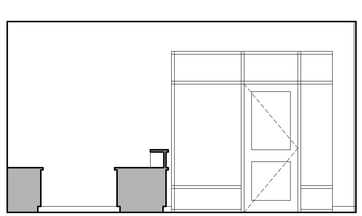
VEST 123B - NORTH WALL | 7



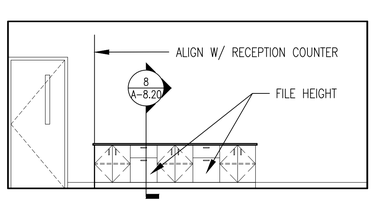
CORRIDOR 135 - EAST WALL | 6



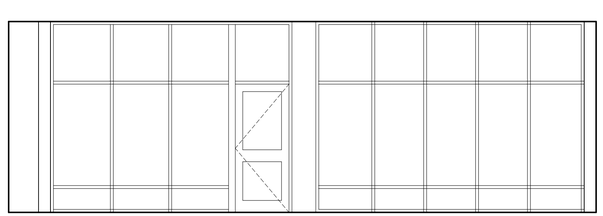
CORRIDOR 123- SOUTH WALL | 5



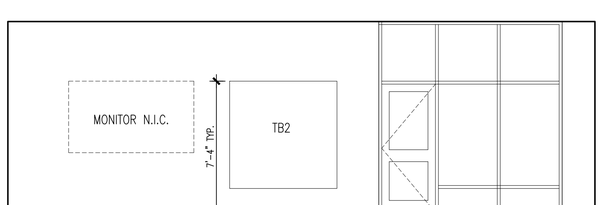
RECEPT 103 - SOUTH WALL | 4



RECEPT 103 - EAST WALL | 3



LOBBY 101 - EAST WALL | 2



LOBBY 101 - WEST WALL | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC — North Carolina Registered Architectural Firm

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" (U. O. N.)
0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.20

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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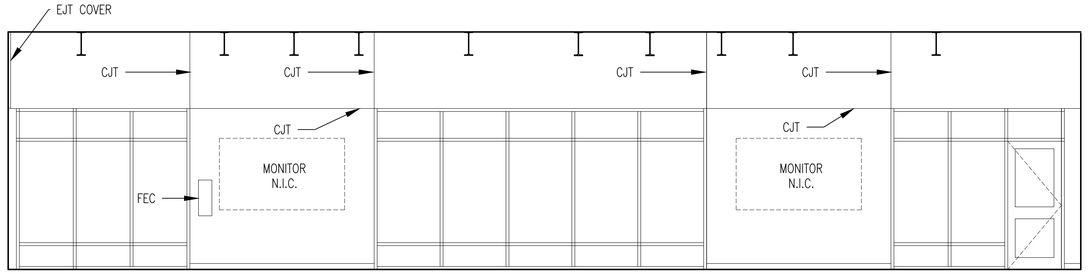
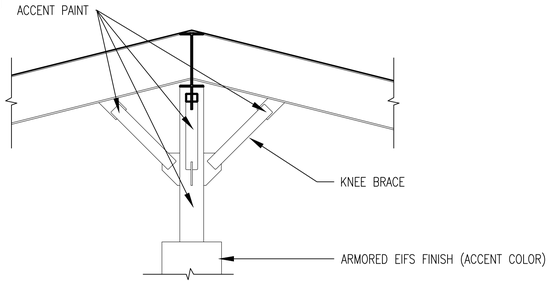
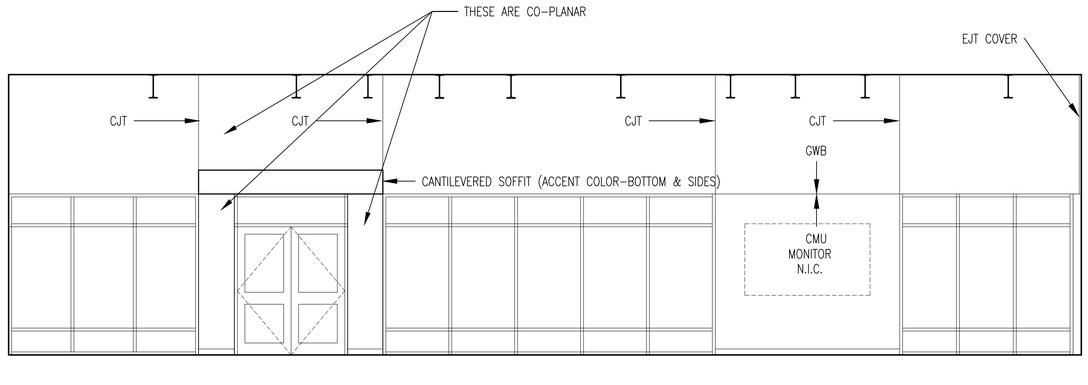


5 RLV - EAST WALL

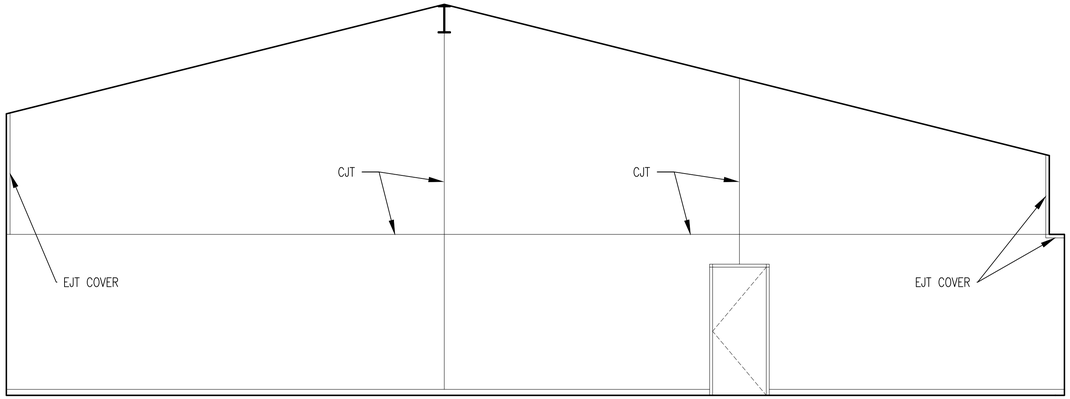


4 RLV - SOUTH WALL

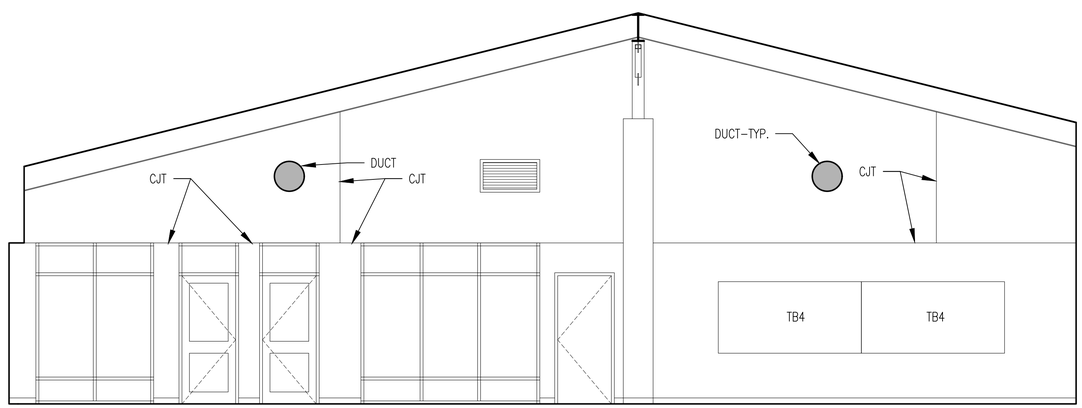
SCALE: 1/2" = 1'-0"



RLV - WEST WALL 3



2 RLV - NORTH WALL



RLV - SOUTH 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

TB1=4'X4' TACK BOARD
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TB3=4'X12' TACK BOARD
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Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — Registered Architect — 3671 — North Carolina — Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

INTERIOR ELEVATIONS

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

0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.21

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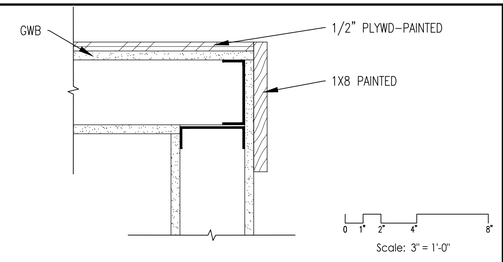
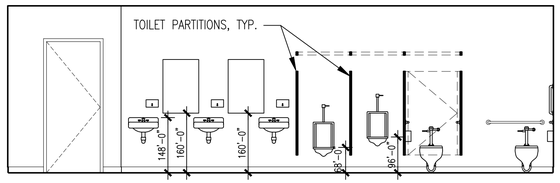
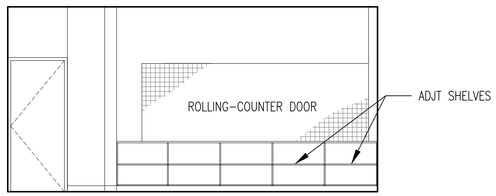


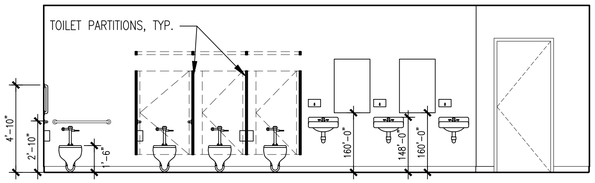
@ KILN | 10



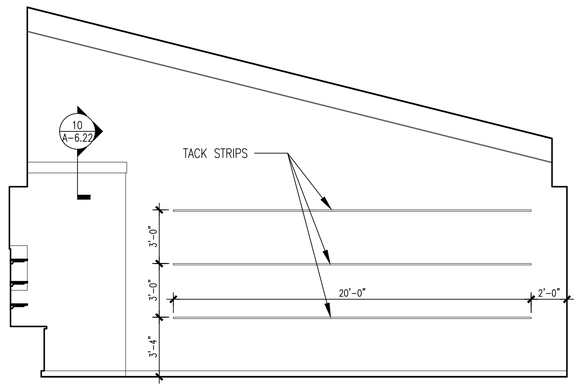
BOYS 150 | 8



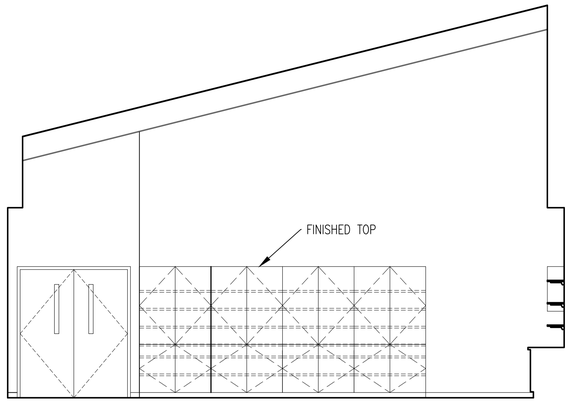
CONCESSIONS - SOUTH WALL | 9



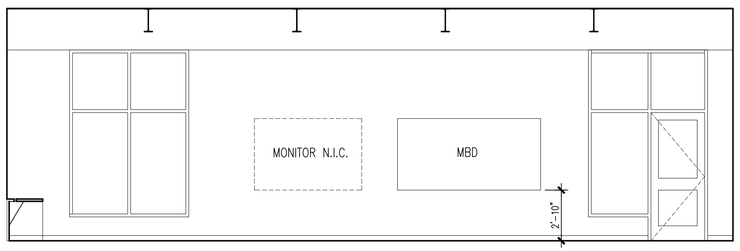
GIRLS 149 | 7



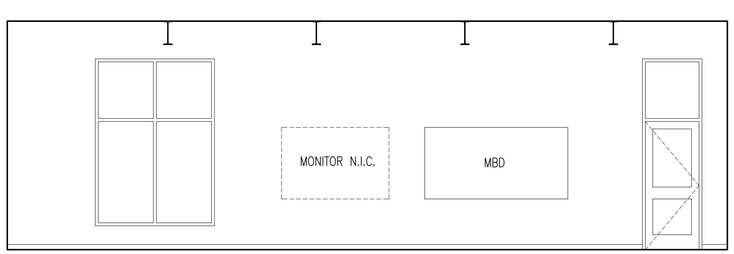
ART 141 - WEST WALL | 6



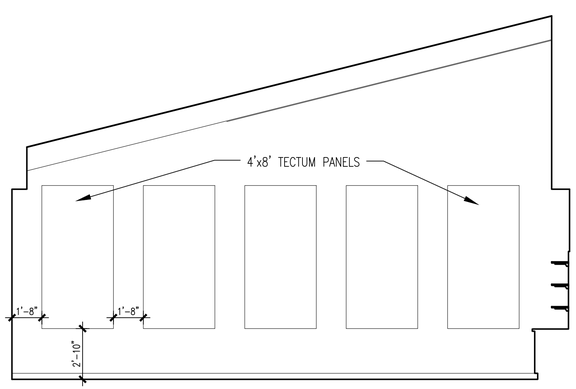
ART 141 - EAST WALL | 5



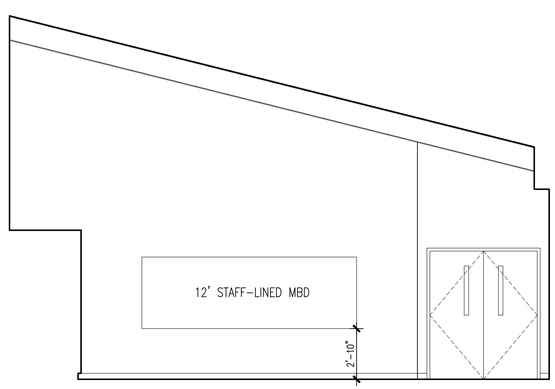
ART 141 - NORTH WALL | 4



MUSIC 145 - SOUTH WALL | 3



MUSIC 145 - WEST WALL | 2



MUSIC 145 - EAST WALL | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" (U.O.N.)

0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.22

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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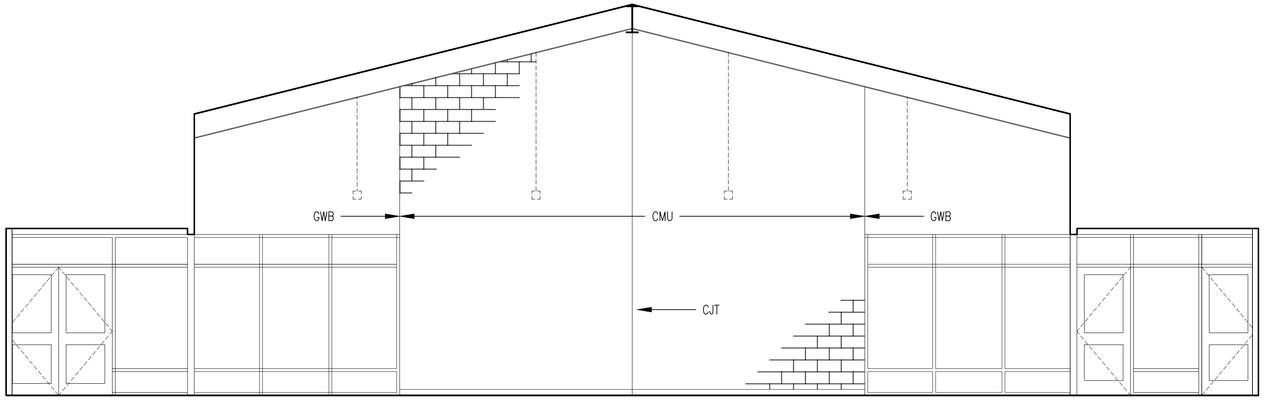
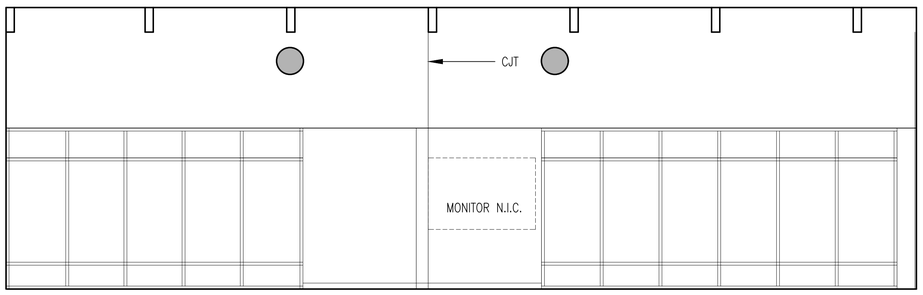
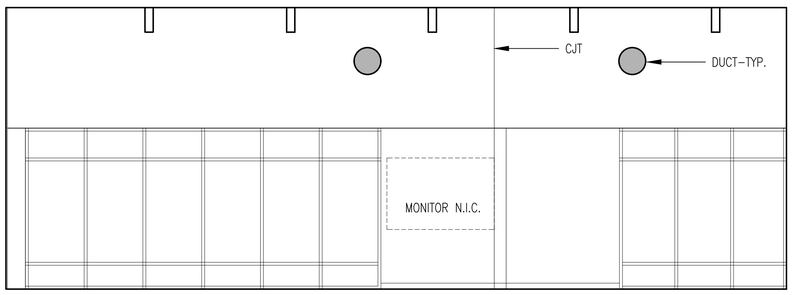


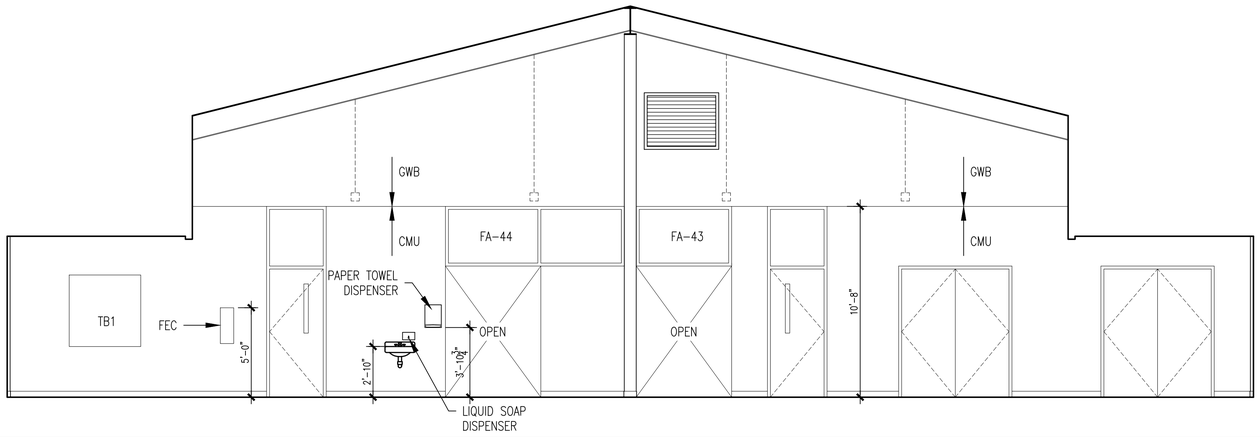
DINING 152 - NORTH WALL | 4



DINING 152 - EAST WALL | 3



DINING 152 - WEST WALL | 2



DINING 152 - SOUTH WALL | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

INTERIOR ELEVATIONS

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

0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.23

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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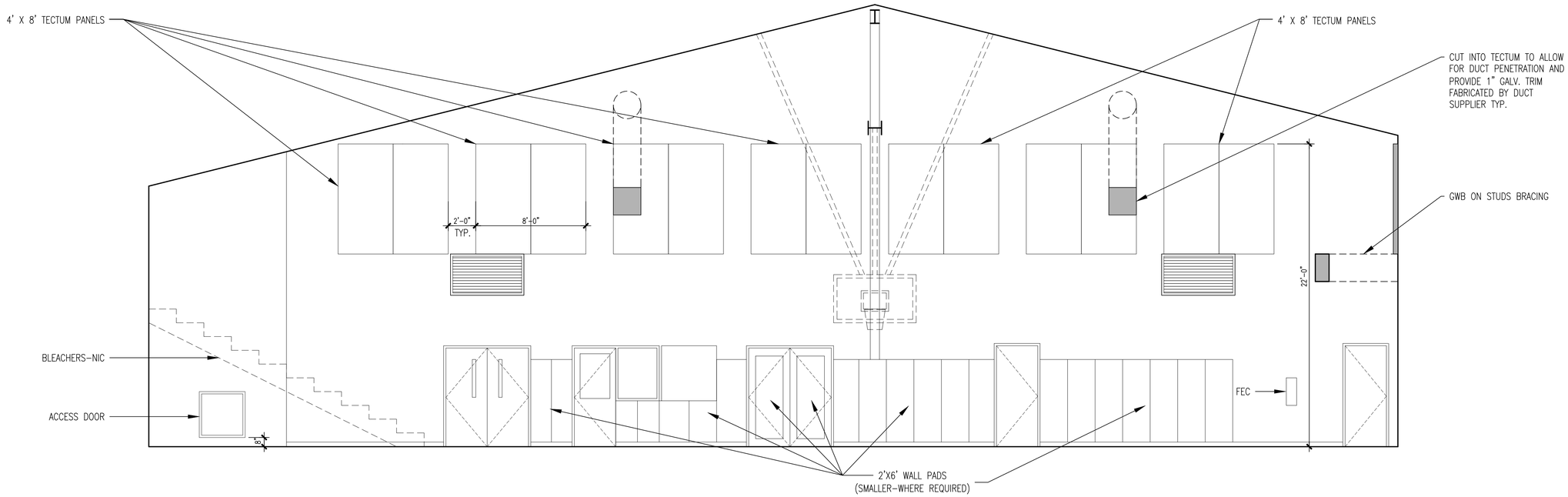
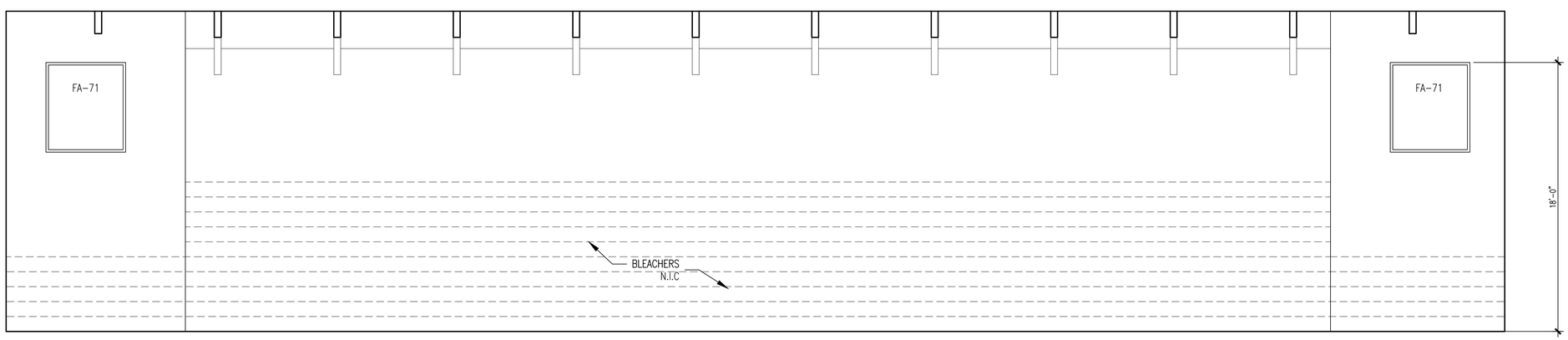


GYM 158 - WEST

2



GYM 158 - SOUTH

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

INTERIOR ELEVATIONS

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

0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.24

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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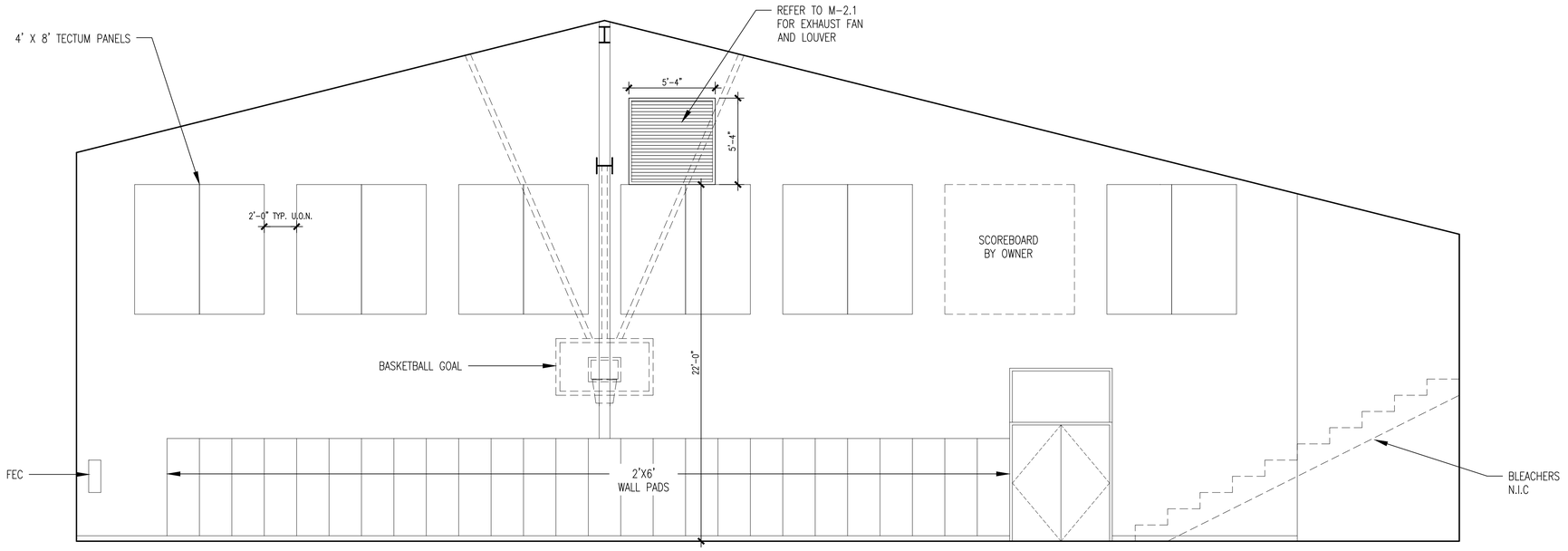
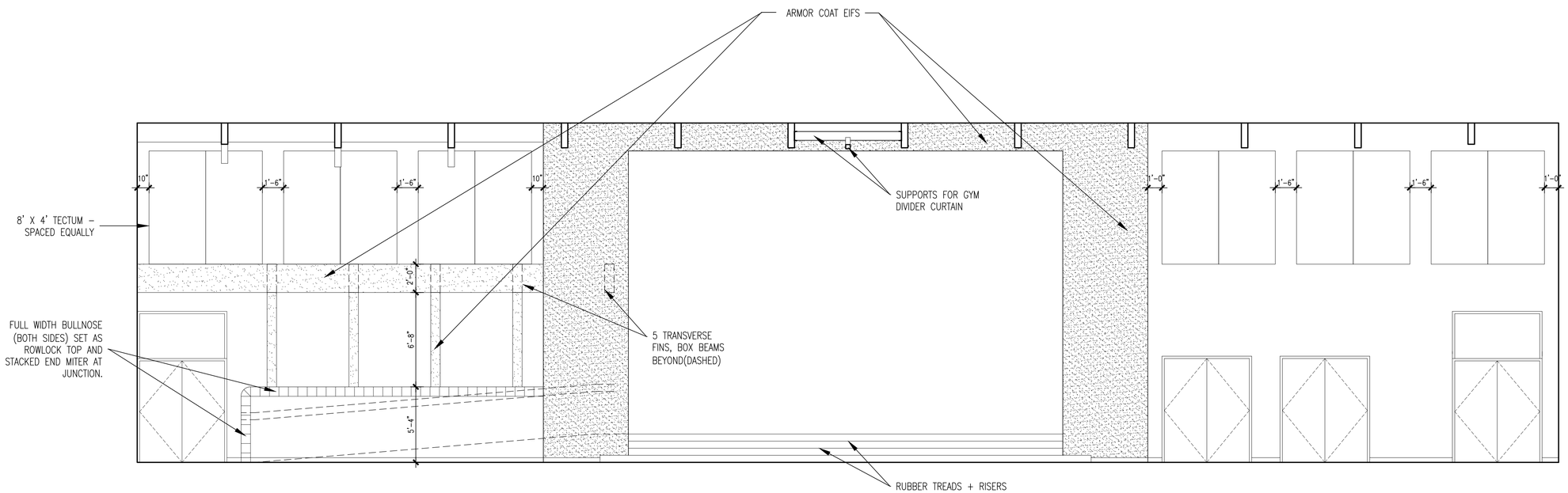


GYM 158 - EAST

2



GYM 158 - NORTH

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 NORTH CAROLINA CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

INTERIOR ELEVATIONS

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

0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.25

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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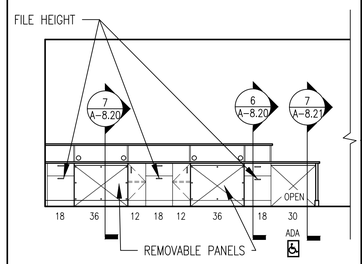
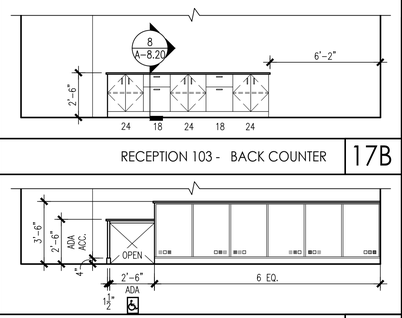
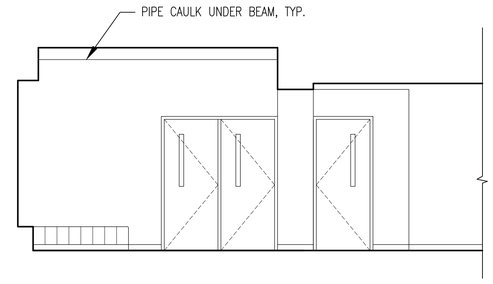


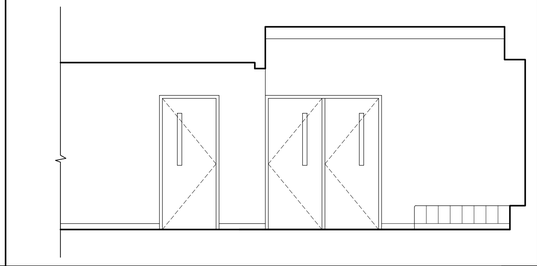
RECEPTION 103 - FRONT COUNTER - DESK SIDE | 17C



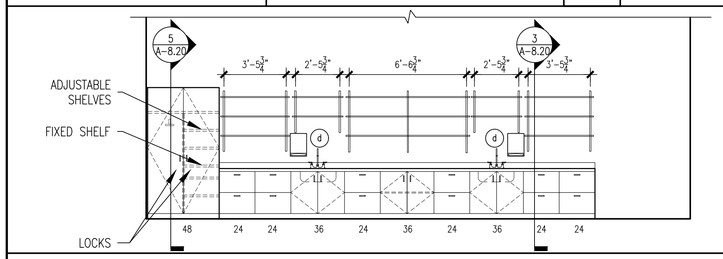
RECEPTION 103 - FRONT COUNTER | 17A



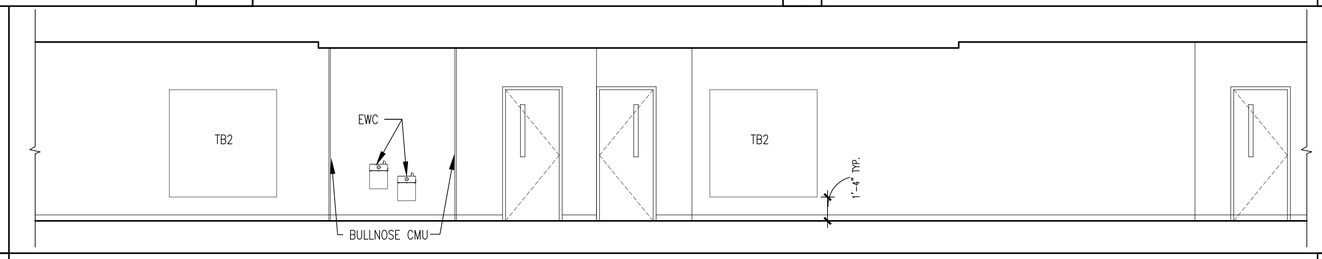
CORR. 217 - SOUTH WALL (LEVEL 2) | 6



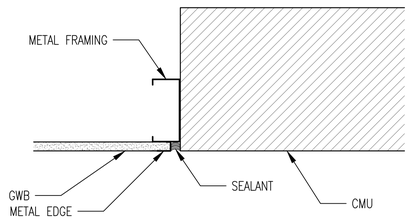
CORR. 201 - SOUTH WALL (LEVEL 2) | 5



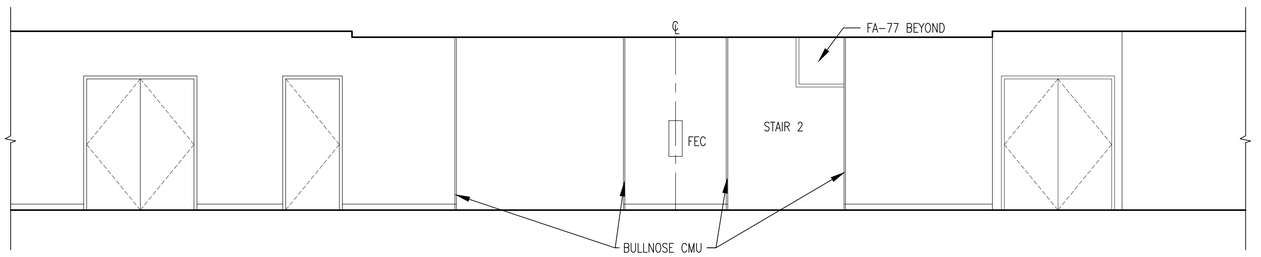
PRE-K CLASSROOM 19, 20 & 21 | 8



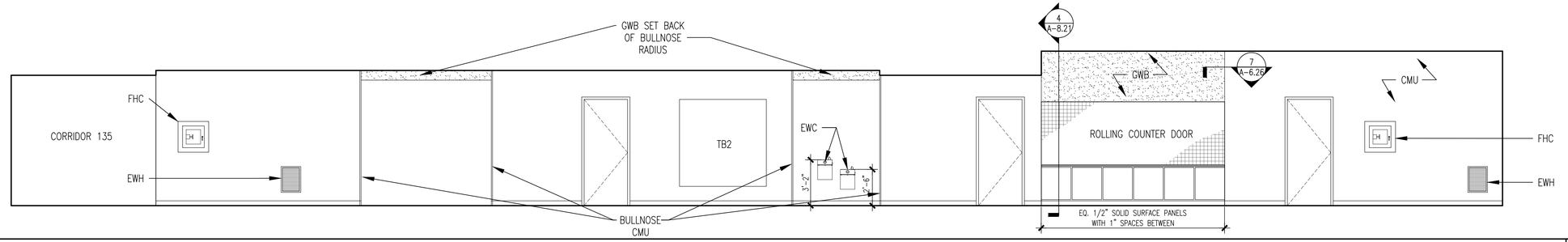
CORRIDOR 217 A - NORTH | 4



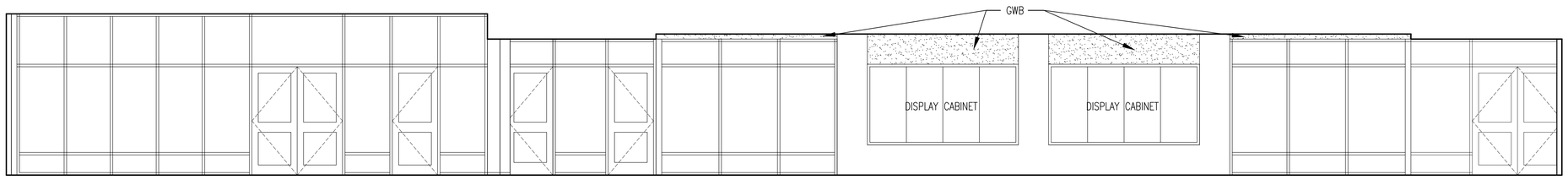
7



CORRIDOR 217 A - SOUTH | 3



CORRIDOR 148 - NORTH WALL | 2



CORRIDOR 148 - SOUTH WALL | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

LEDGEND

TB1=4'X4' TACK BOARD
TB2=6'X6' TACK BOARD
TB3=4'X12' TACK BOARD
TB4=4'X8' TACK BOARD
MBD=4'X8' MARKER BOARD

(d) PAPER TOWEL DISPENSER: BRADLEY 250-15.

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc./pllc. ARCHITECTURE INTERIOR DESIGN 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 9671 NORTH CAROLINA CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

INTERIOR ELEVATIONS

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

0 4' 8' 16' 32'

BID AND CONSTRUCTION

A-6.26

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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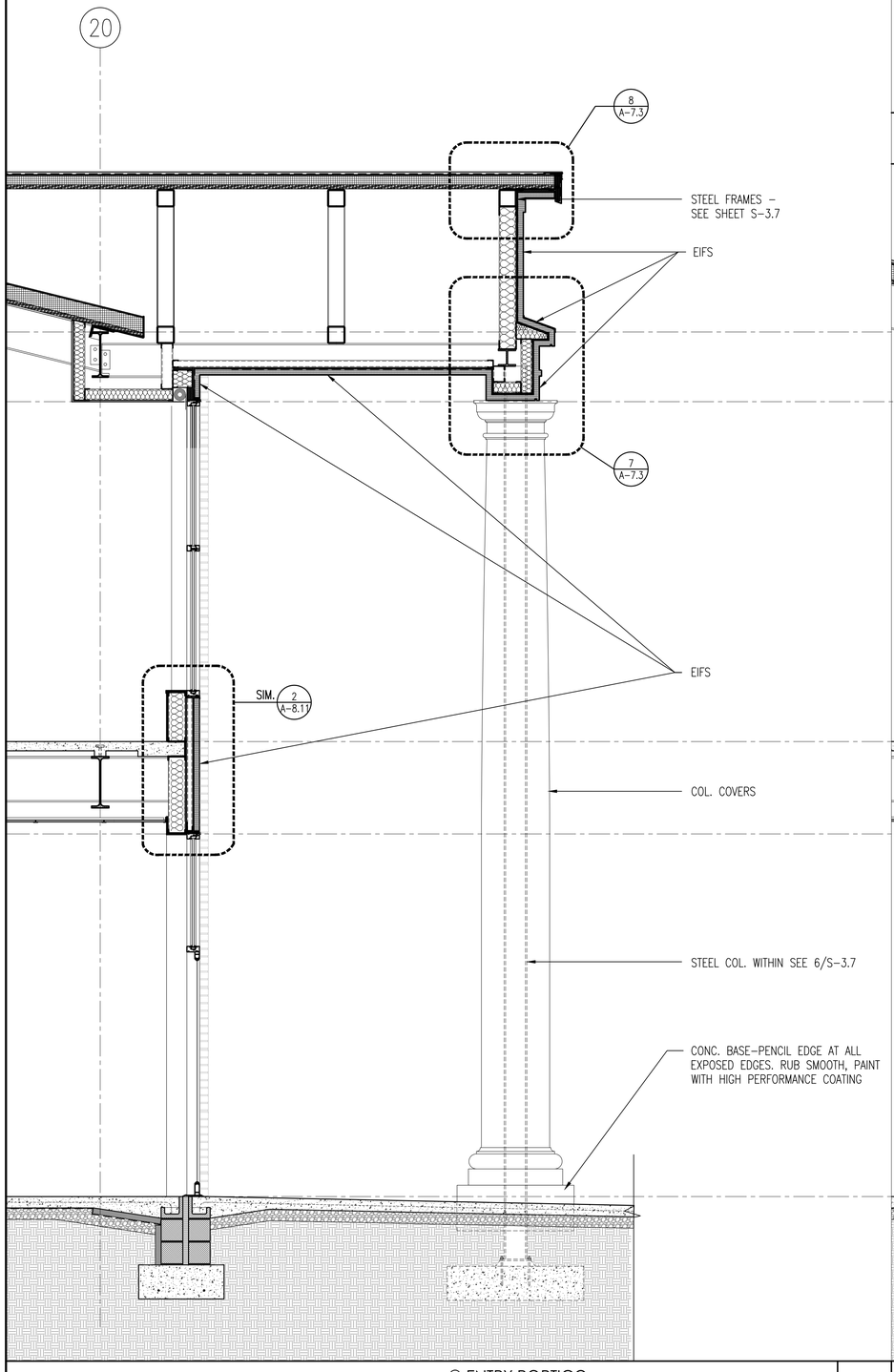
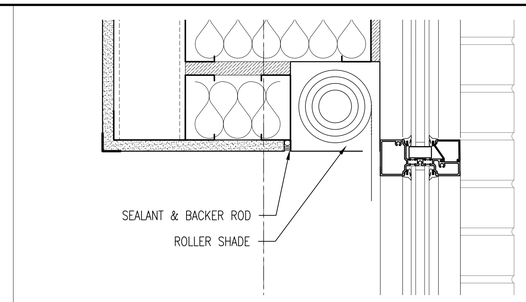
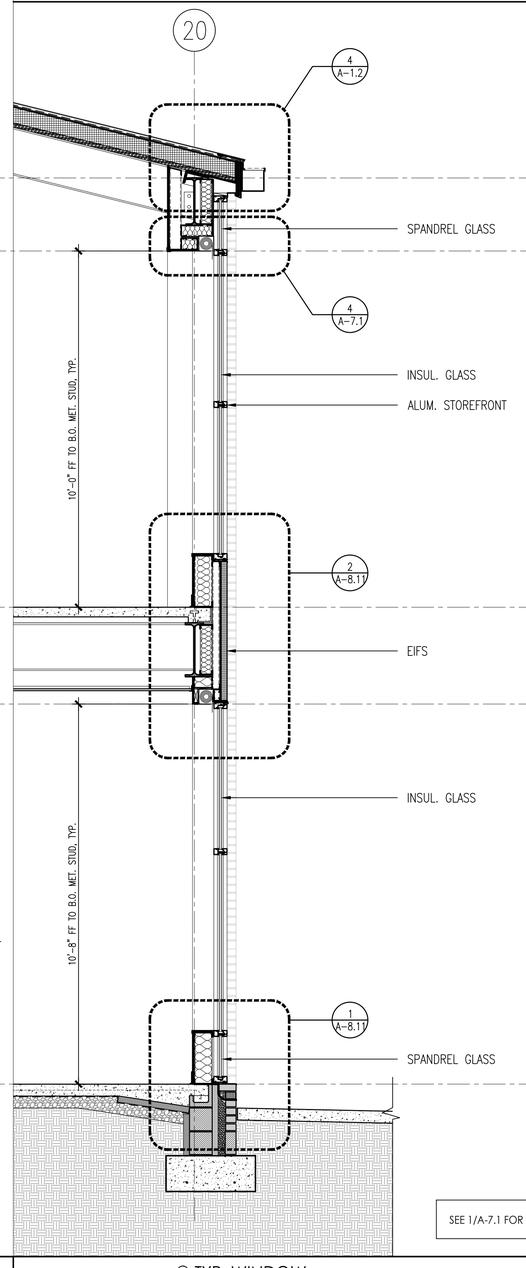


@ ENTRY PORTICO | 3

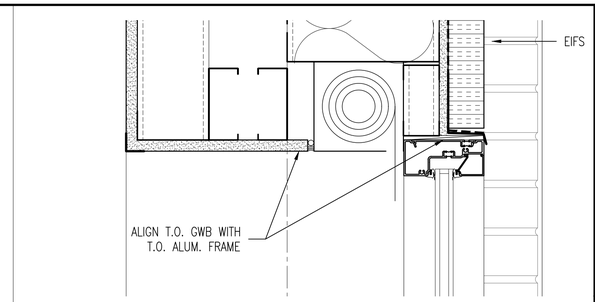


TYP. SOFFIT WITH ROLLER SHADE
Scale: 3" = 1'-0" (0, 3", 6", 1')
4

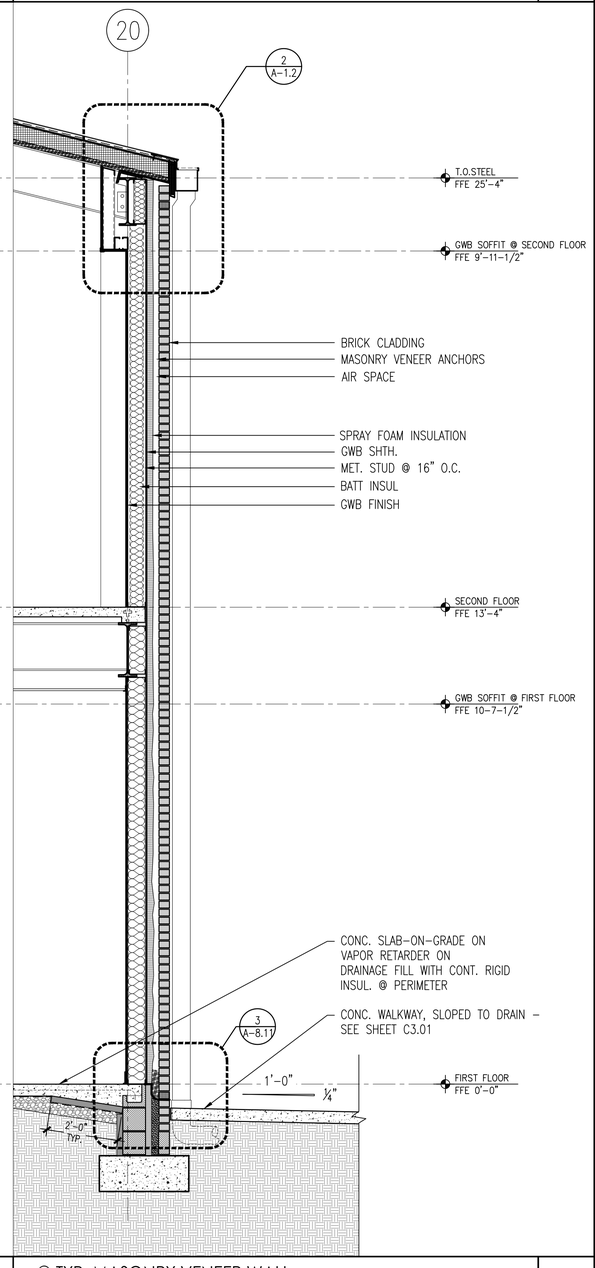


SEE 1/A-7.1 FOR TYPICAL NOTES

@ TYP. WINDOW | 2



TYP. HEAD FLASHING DETAIL @ MTL STUD & EIFS WALL
Scale: 3" = 1'-0" (0, 3", 6", 1')
5



@ TYP. MASONRY VENEER WALL | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL SECTIONS & DETAILS

Scale: 1/2" = 1'-0" (U.O.N.) (0, 6", 1', 2', 4', 6')

BID AND CONSTRUCTION

A-7.1

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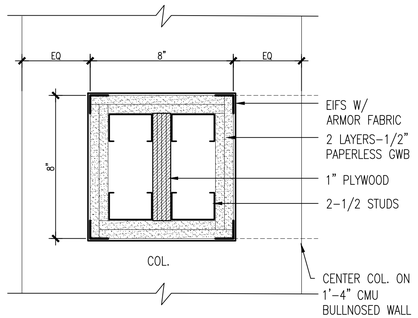
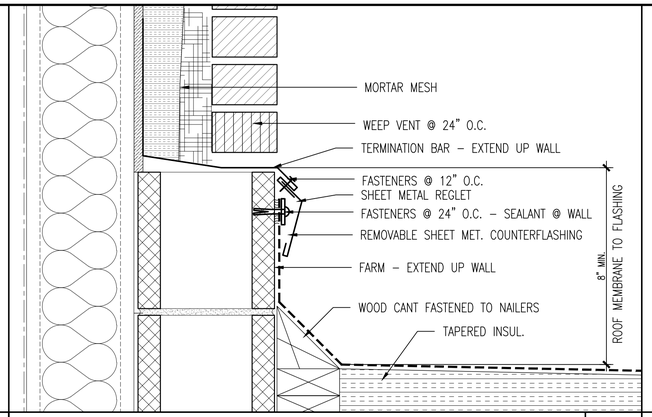


@ GYM

Scale: 3" = 1'-0"

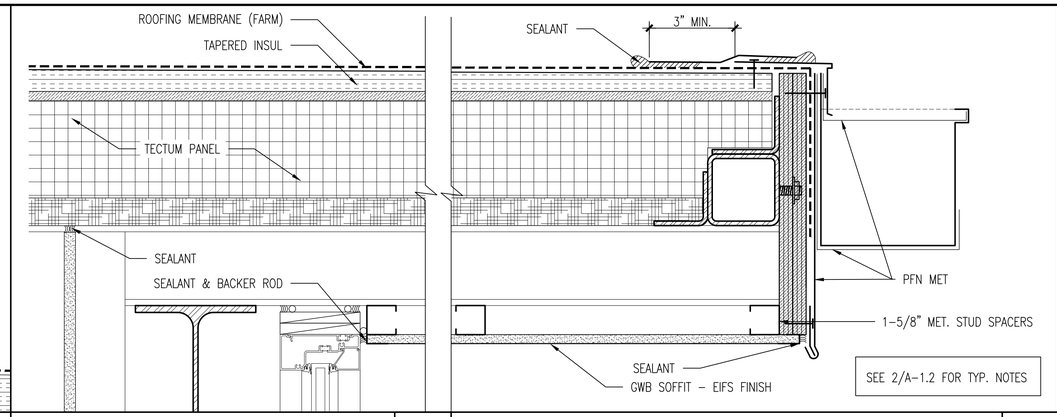
7



ROOF - TO - WALL TRANSITION @ STAIR

Scale: 3" = 1'-0"

6



STOREFRONT @ STAIR OVERHANG

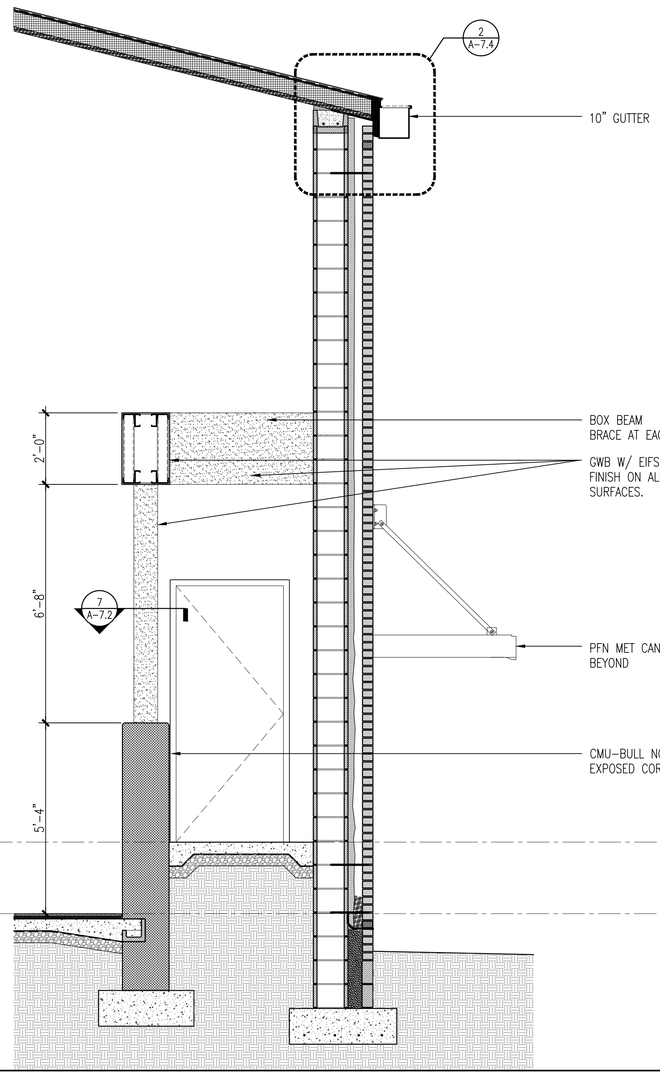
Scale: 3" = 1'-0"

5

EAVE @ STAIR OVERHANG

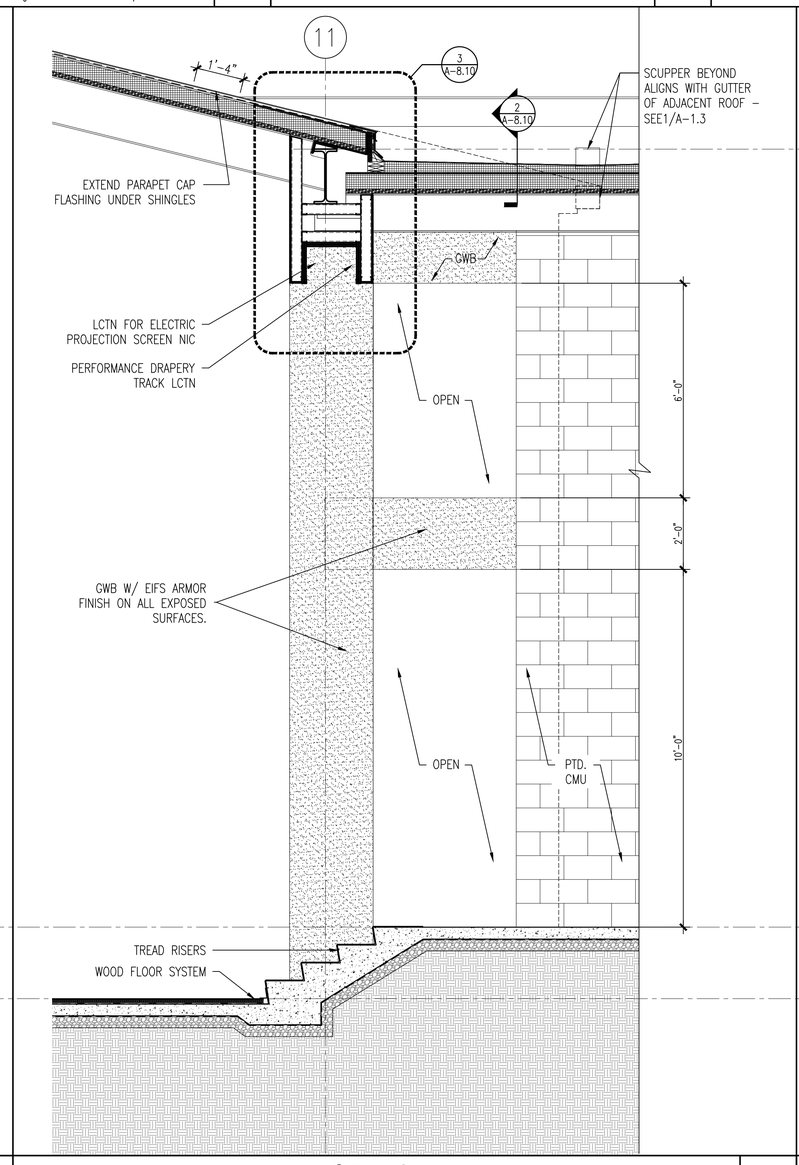
Scale: 3" = 1'-0"

4



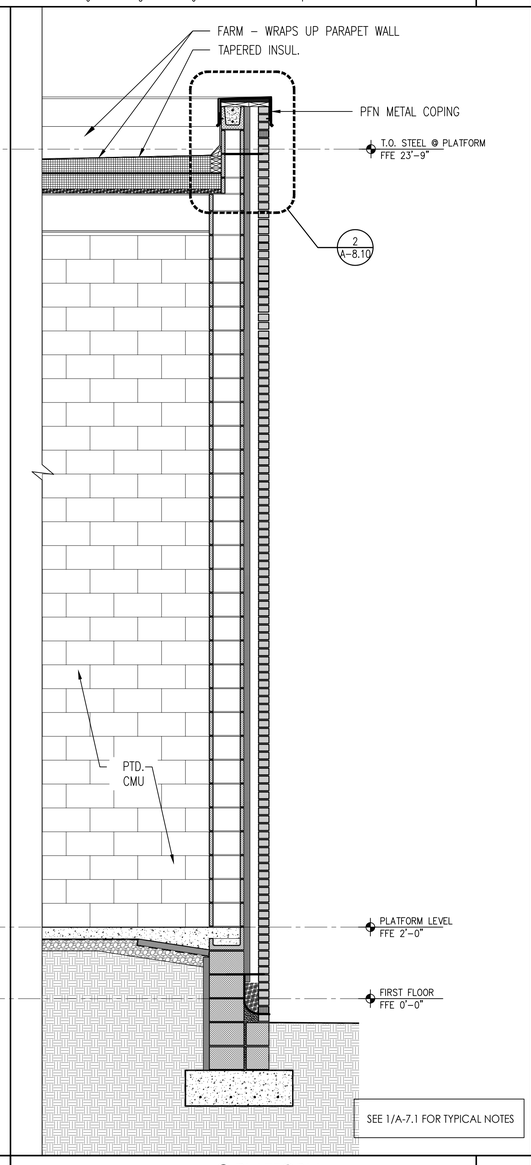
@PLATFORM RAMP

3



@ PLATFORM

2



SEE 1/A-7.1 FOR TYPICAL NOTES

@ PLATFORM

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL SECTIONS & DETAILS

Scale: 1/2 = 1'-0" (U.O.N.)

0 6" 1' 2' 4' 6'

BID AND CONSTRUCTION

A-7.2

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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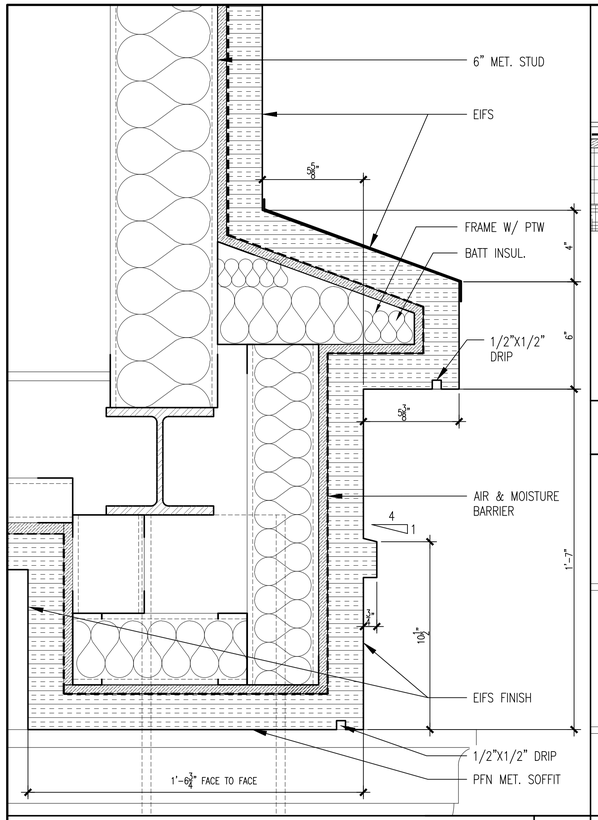
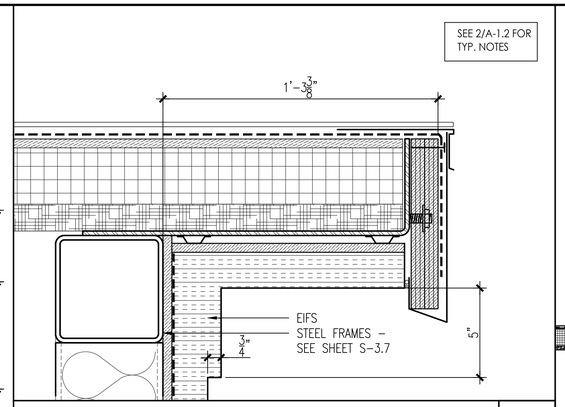
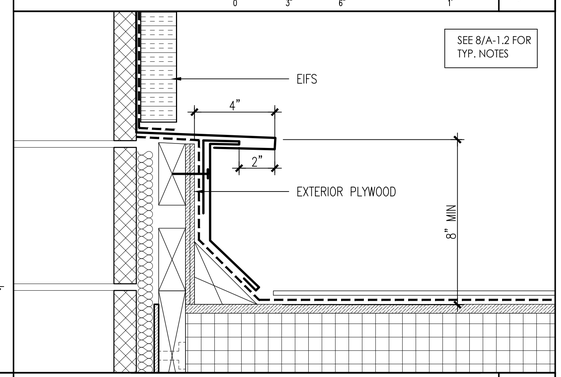


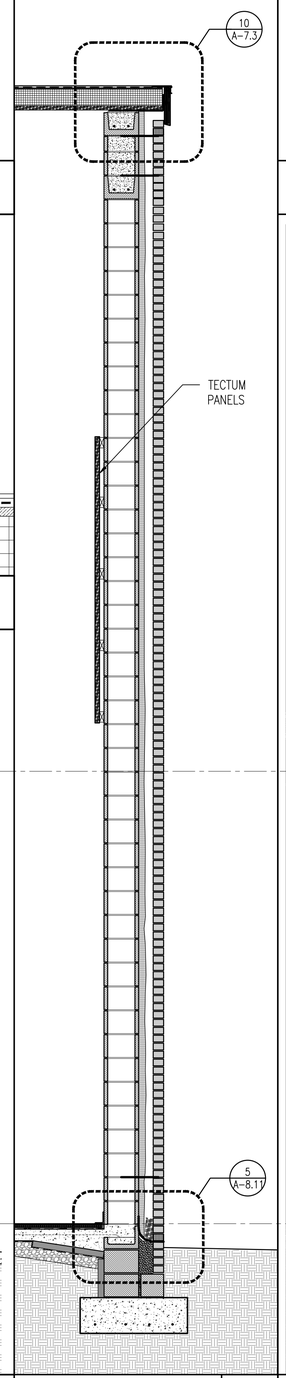
FRIEZE & ARCHITRAVE @ PORTICO — Scale: 3" = 1'-0" — 7

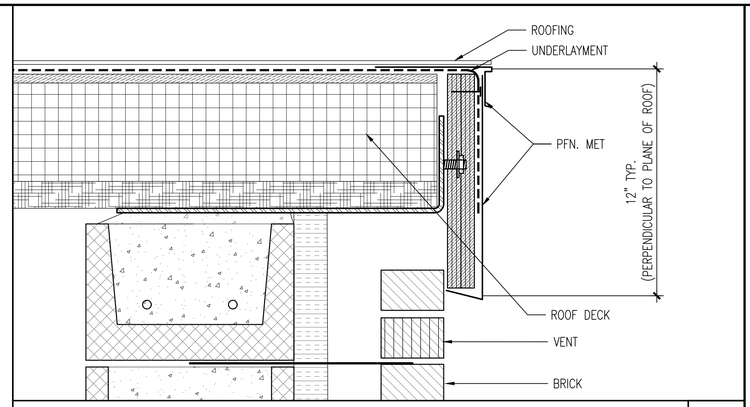


CORNICE & ROOF @ ENTRY PORTICO — Scale: 3" = 1'-0" — 7

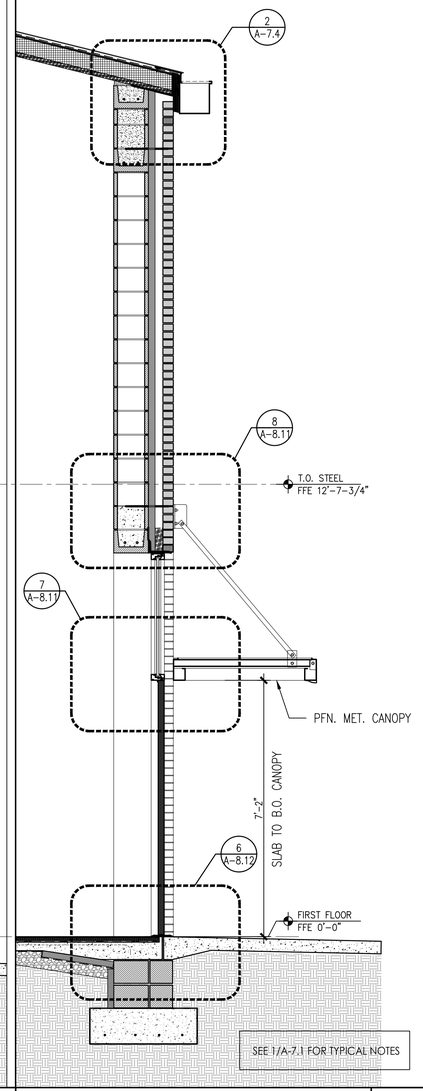


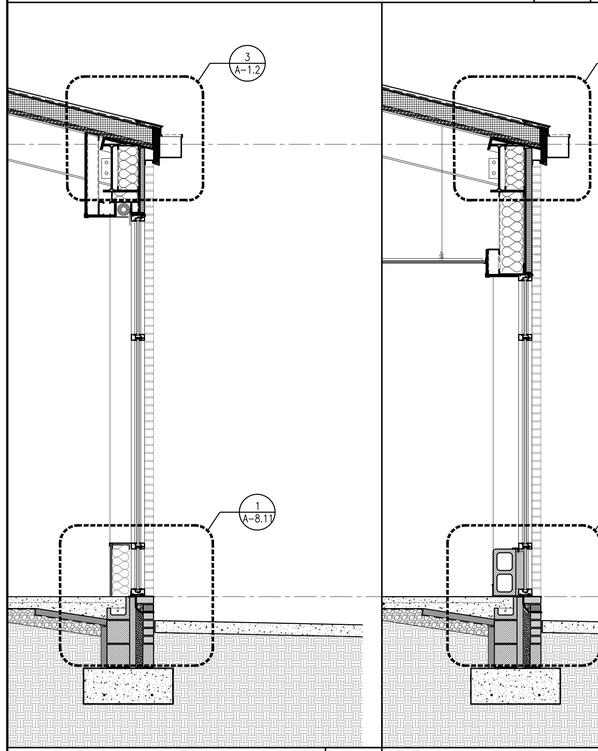
EJT @ GYM — Scale: 3" = 1'-0" — 9



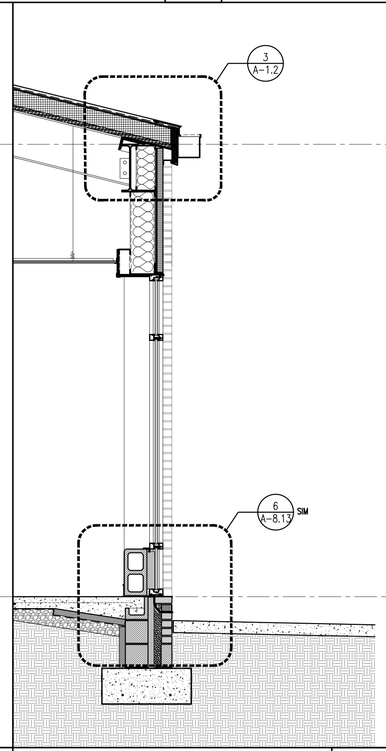


RAKE DETAIL @ GYM ROOF — Scale: 3" = 1'-0" — 10

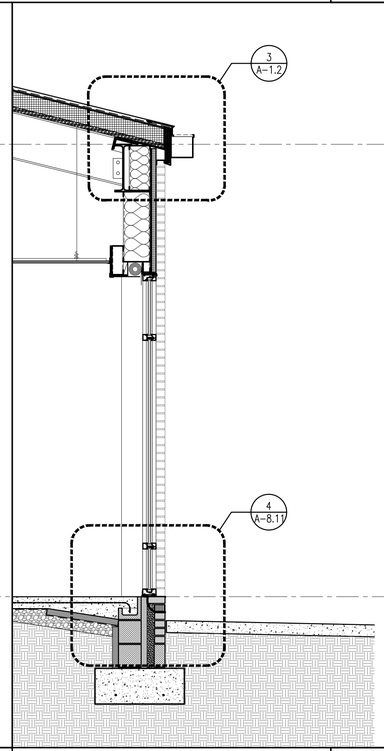




@ TYP. ONE STORY CLASSROOM — 6

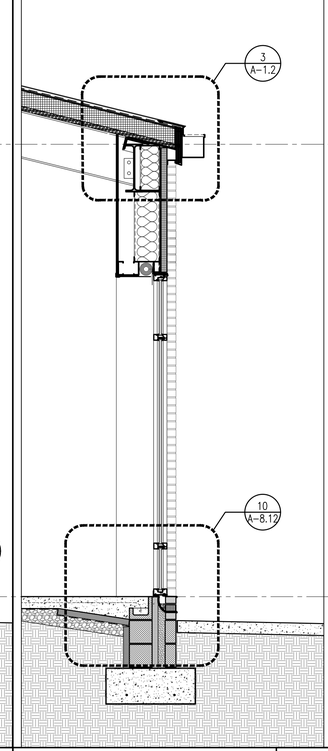


@ RLV CORR — 5



@ DINING — 4

@ GYM — 3



@ RLV — 2

@ GYM CANOPY - DOOR — 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL SECTIONS

Scale: 1/2 = 1'-0" (U.O.N.)

0 6" 1' 2' 4' 6"

BID AND CONSTRUCTION

A-7.3

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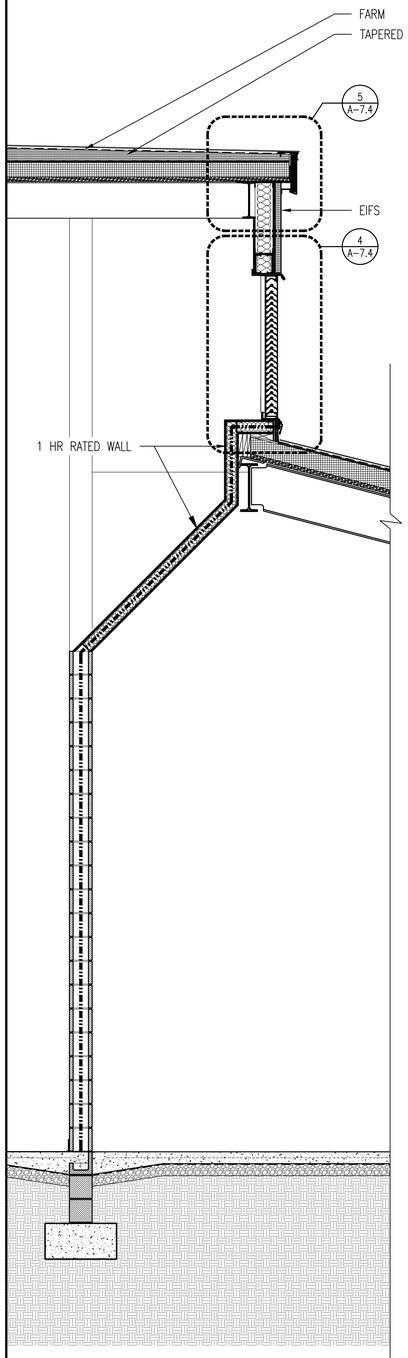
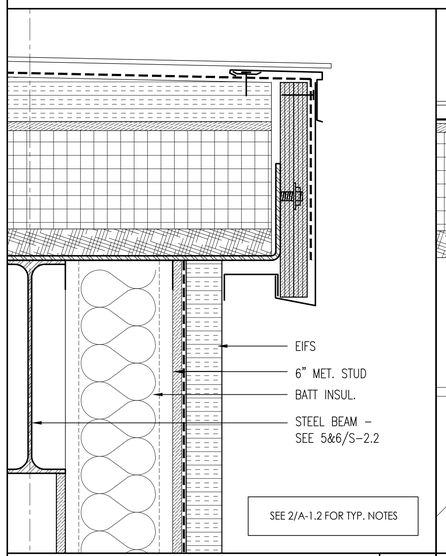


MECH/ELEC@PENTHOUSE

Scale: 1/2 = 1'-0"

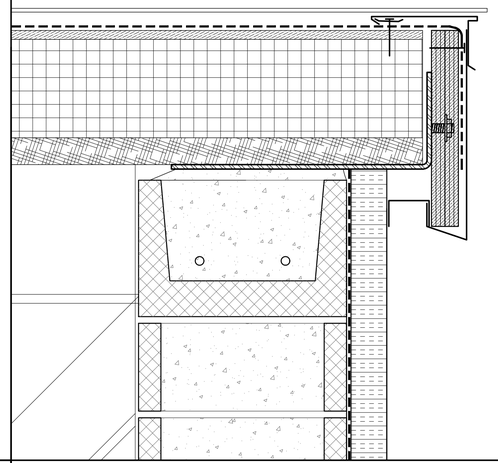
6



EAVE DETAIL @ PENTHOUSE

Scale: 3" = 1'-0"

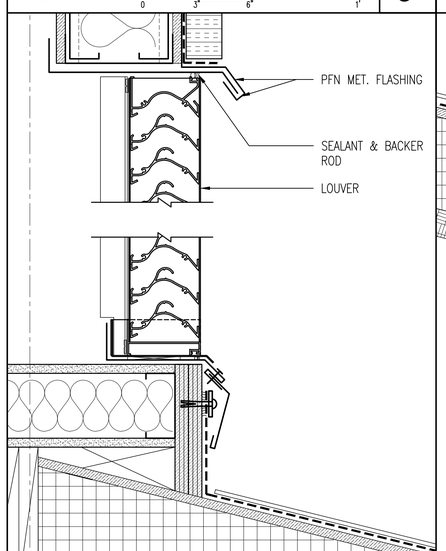
5



RAKE DETAIL @ LAUNDRY TO GYM

Scale: 3" = 1'-0"

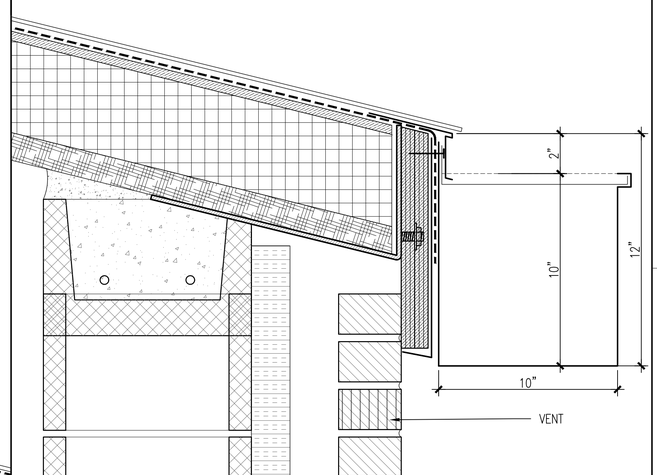
3



ROOF DETAIL @ PENTHOUSE LOUVER

Scale: 3" = 1'-0"

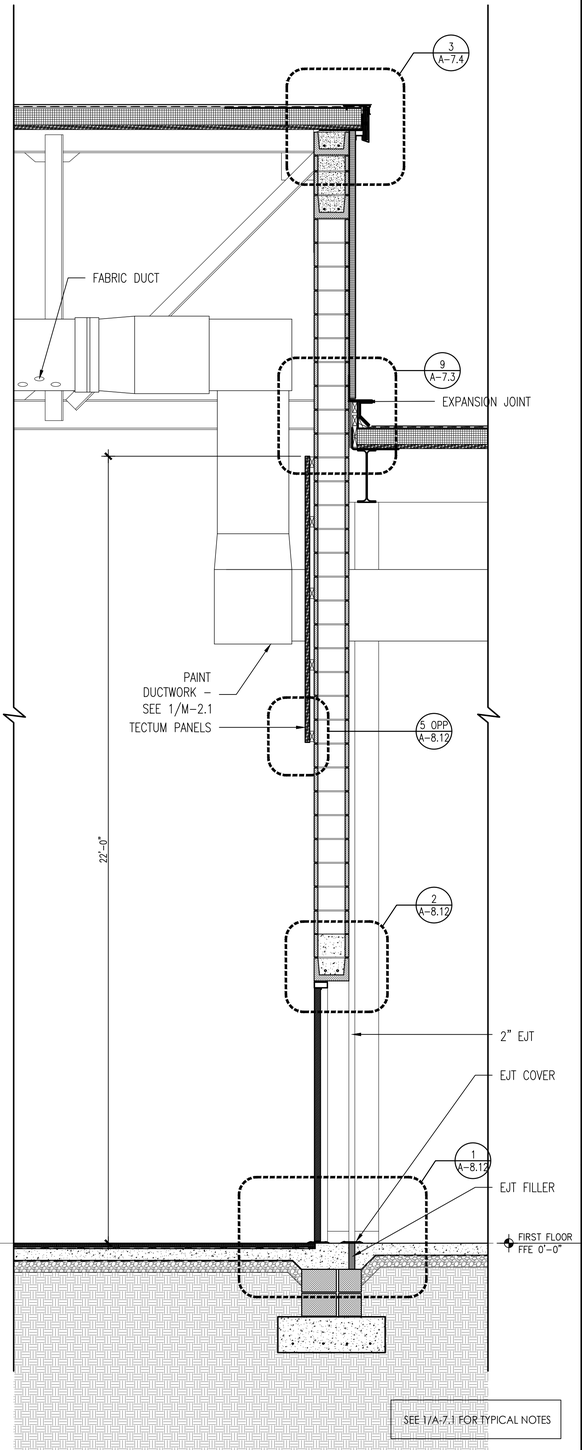
4



GYM EAVE DETAIL

Scale: 3" = 1'-0"

2



@ LAUNDRY TO GYM

Scale: 1/2 = 1'-0"

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL SECTIONS

Scale: 1/2 = 1'-0" (U.O.N.)

0 6" 1' 2' 4' 6'

BID AND CONSTRUCTION

A-7.4

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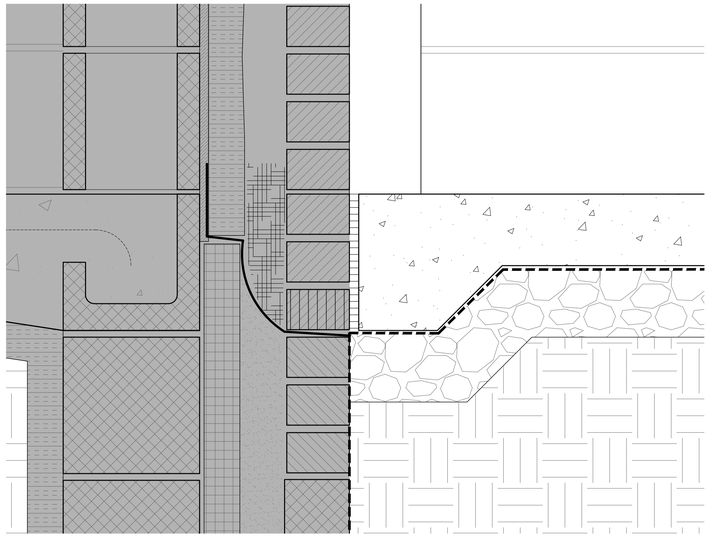
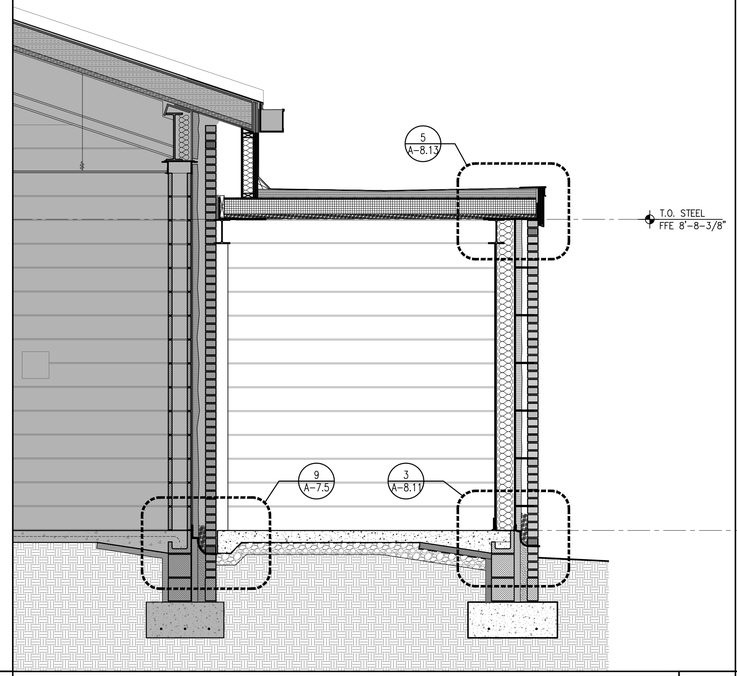


EJT BETWEEN EXISTING BUILDING AND STO 018A

Scale: 3" = 1'-0"

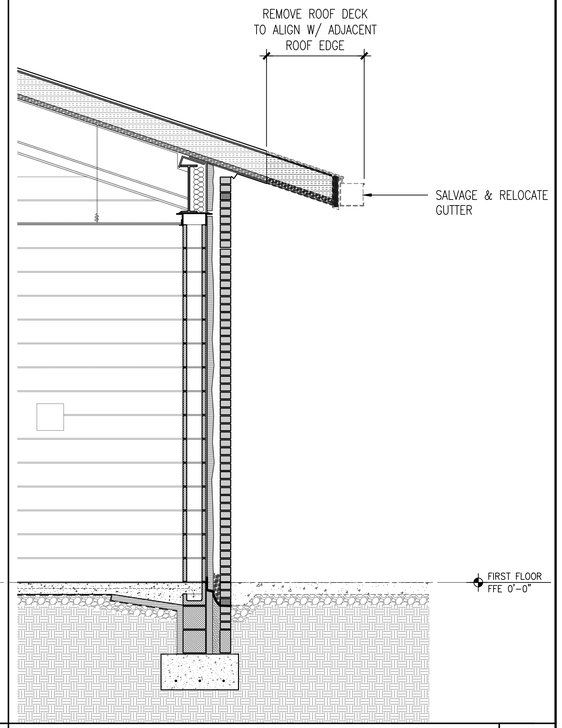
9



@ EXISTING BUILDING - STO 018A - PROPOSED

Scale: 1/2 = 1'-0"

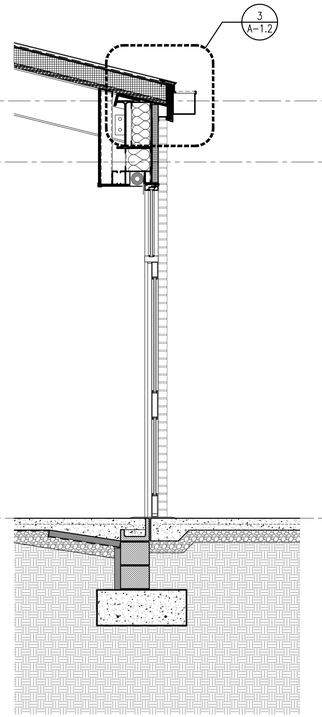
8



@ EXISTING BUILDING - STO 018A - DEMO

Scale: 1/2 = 1'-0"

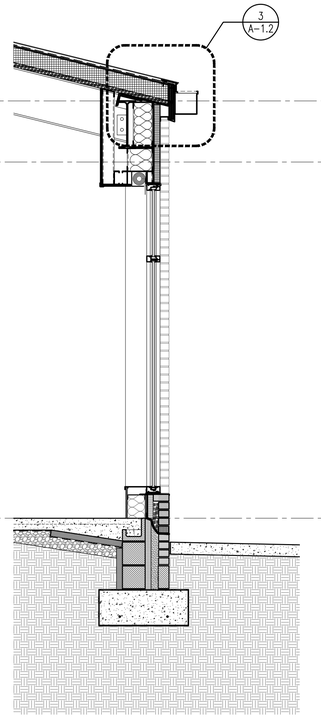
7



@ ADDITION - CLASSROOM DOOR

Scale: 1/2 = 1'-0"

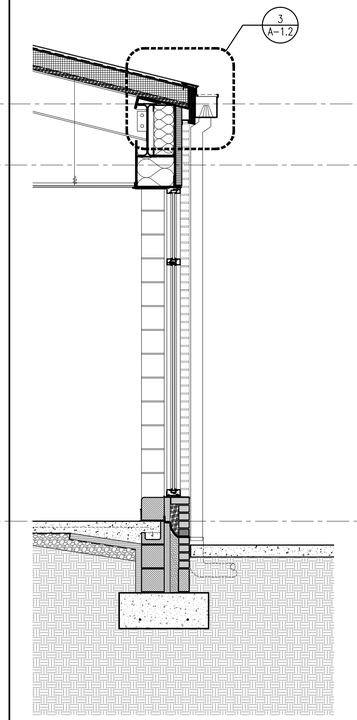
6



@ ADDITION - CLASSROOM WINDOW

Scale: 1/2 = 1'-0"

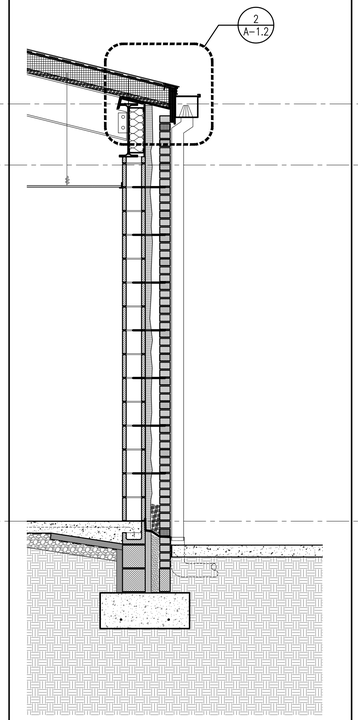
5



@ ADDITION - CORRIDOR WINDOW

Scale: 1/2 = 1'-0"

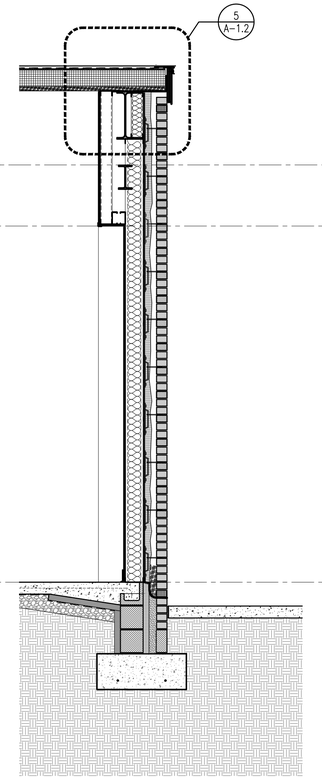
4



@ ADDITION - CORRIDOR WALL

Scale: 1/2 = 1'-0"

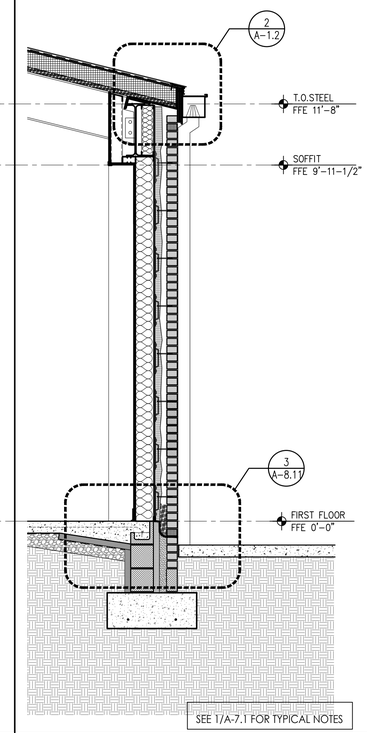
3



@ ADDITION - RAKE

Scale: 1/2 = 1'-0"

2



@ ADDITION - CLASSROOM

Scale: 1/2 = 1'-0"

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL SECTIONS

Scale: 1/2 = 1'-0" (U.O.N.)

0 6" 1' 2' 4' 6'

BID AND CONSTRUCTION

A-7.5

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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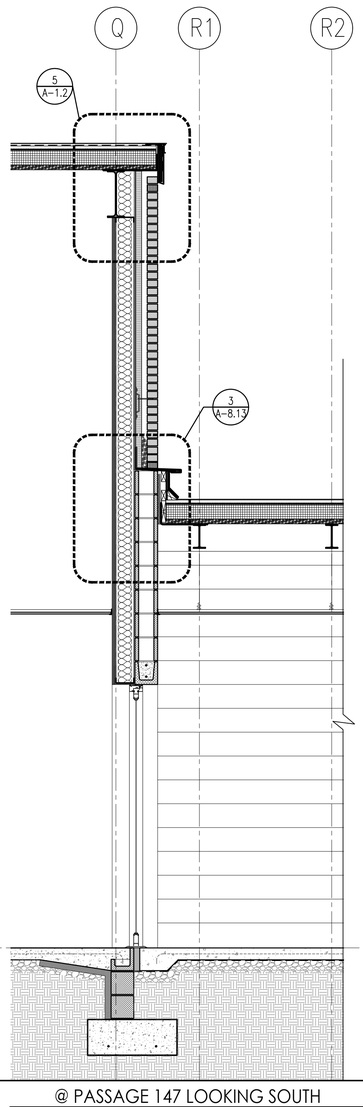
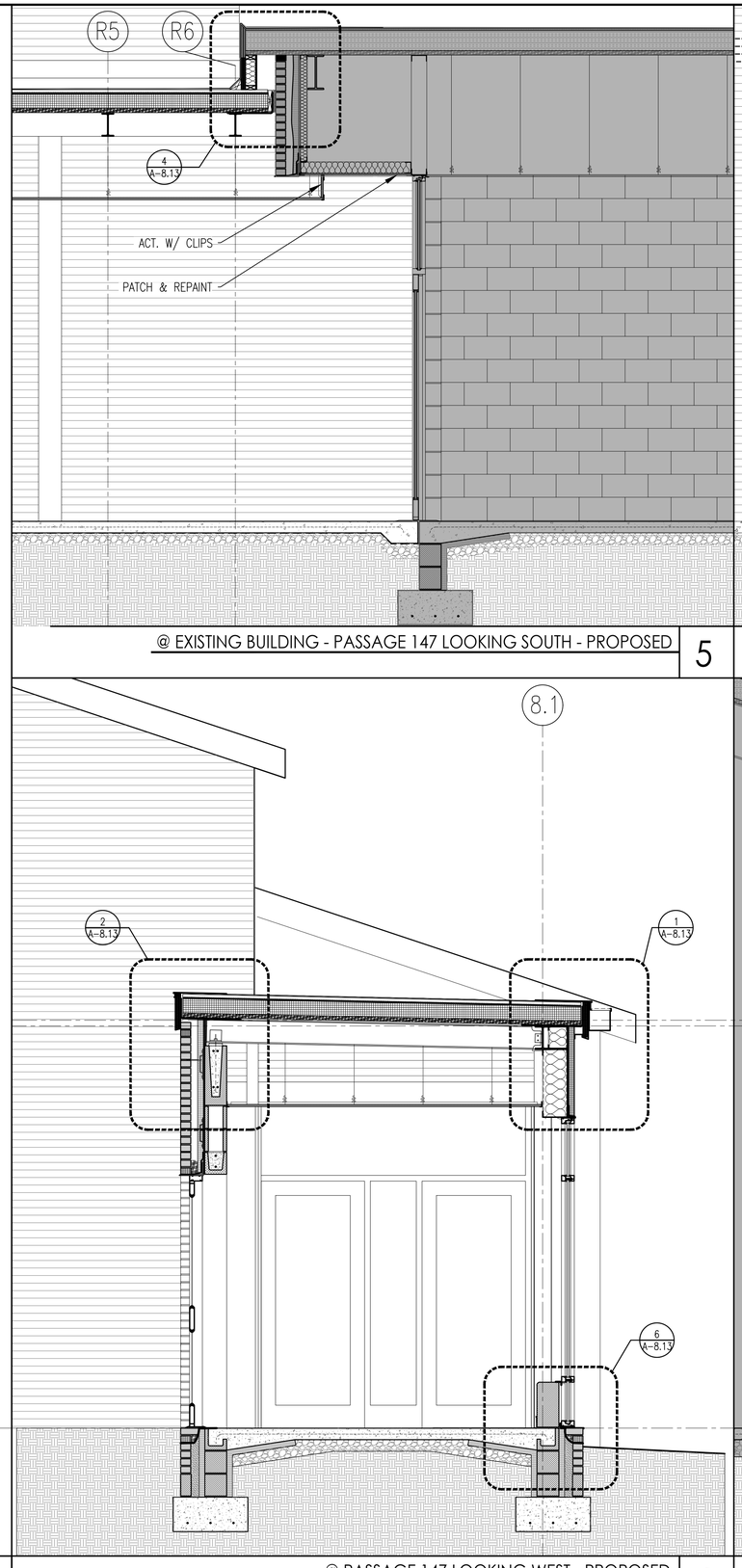
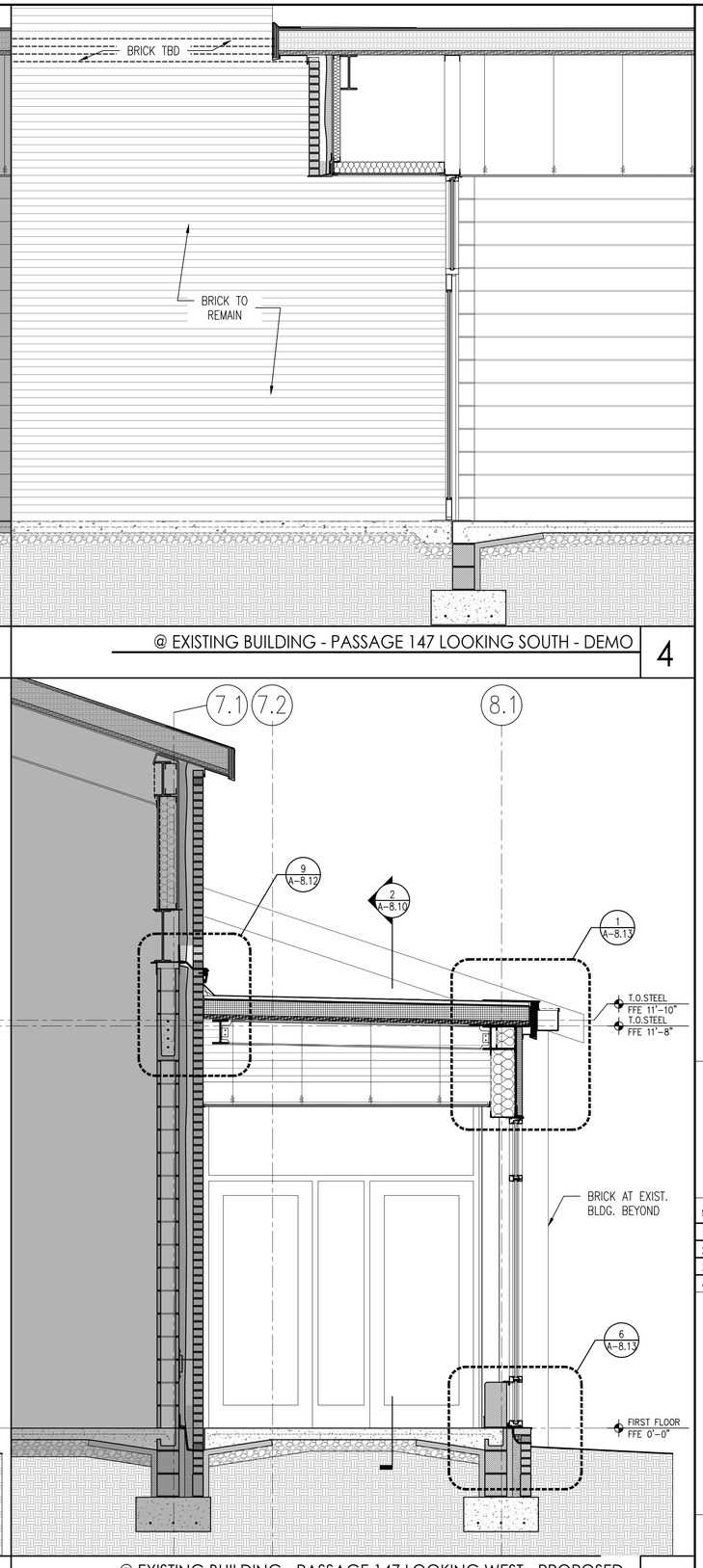


@ PASSAGE 147 LOOKING SOUTH | 3



@ EXISTING BUILDING - PASSAGE 147 LOOKING SOUTH - PROPOSED | 5

@ PASSAGE 147 LOOKING WEST - PROPOSED | 2



@ EXISTING BUILDING - PASSAGE 147 LOOKING SOUTH - DEMO | 4

@ EXISTING BUILDING - PASSAGE 147 LOOKING WEST - PROPOSED | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. 51679 NORTH CAROLINA REGISTERED ARCHITECTURAL CORPORATION Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 NORTH CAROLINA CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL SECTIONS

Scale: 1/2 = 1'-0" (U.O.N.)

0 6" 1' 2' 4' 6'

BID AND CONSTRUCTION

A-7.6

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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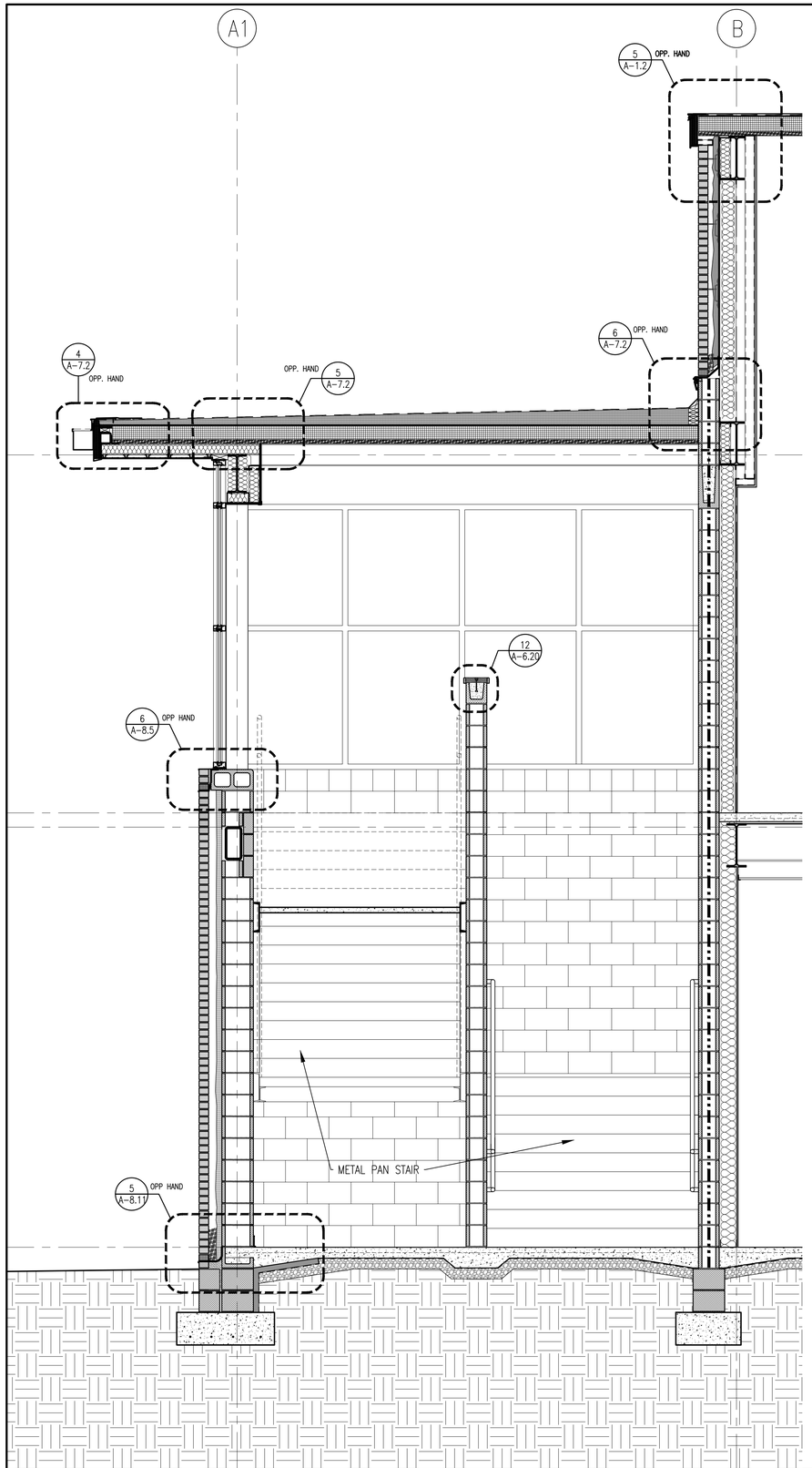
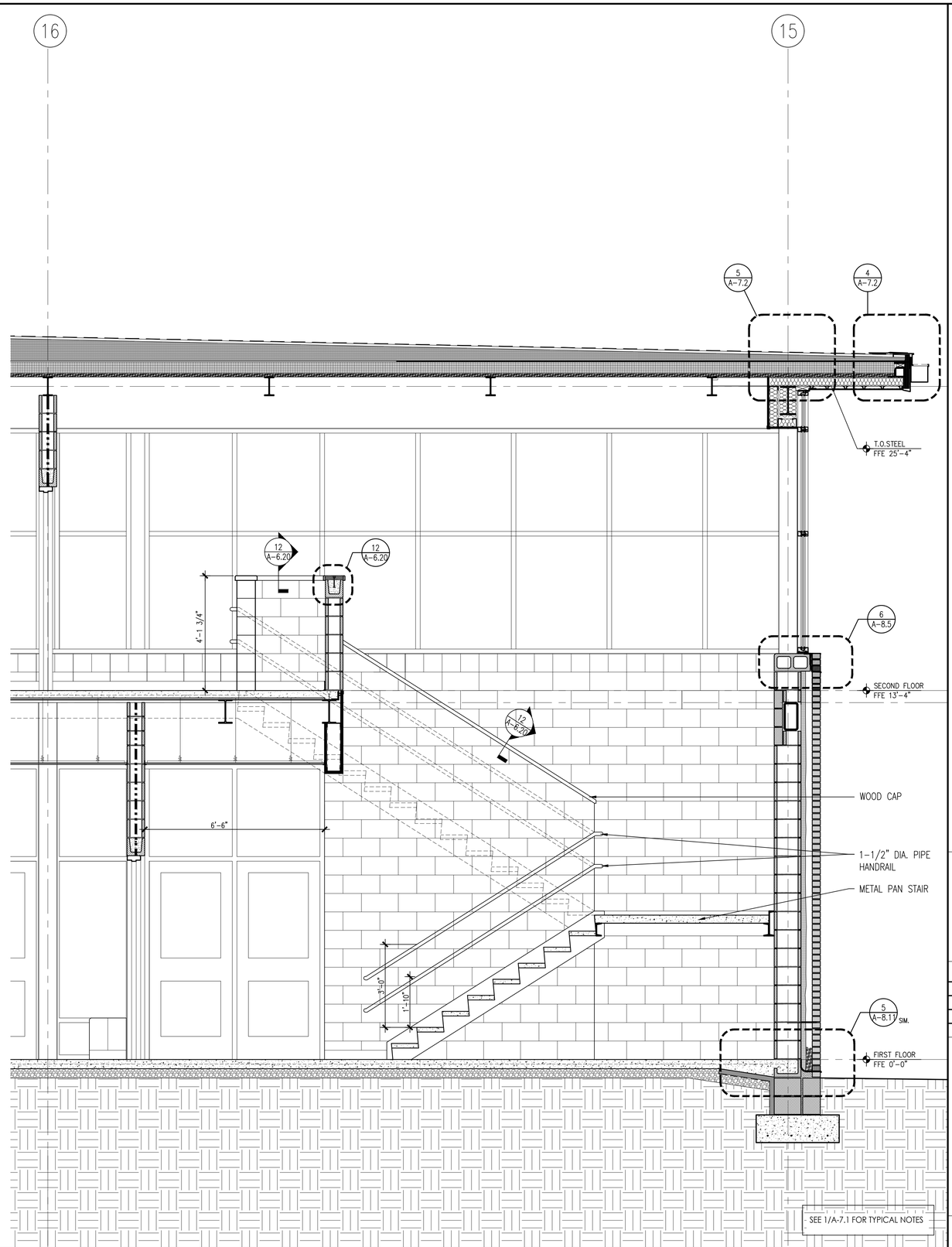


@ STAIR 1 - NORTH - SOUTH

2



@ STAIR 1 - WEST - EAST

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL & STAIR SECTIONS

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

0 6" 1' 2' 4' 6'

BID AND CONSTRUCTION

A-7.10

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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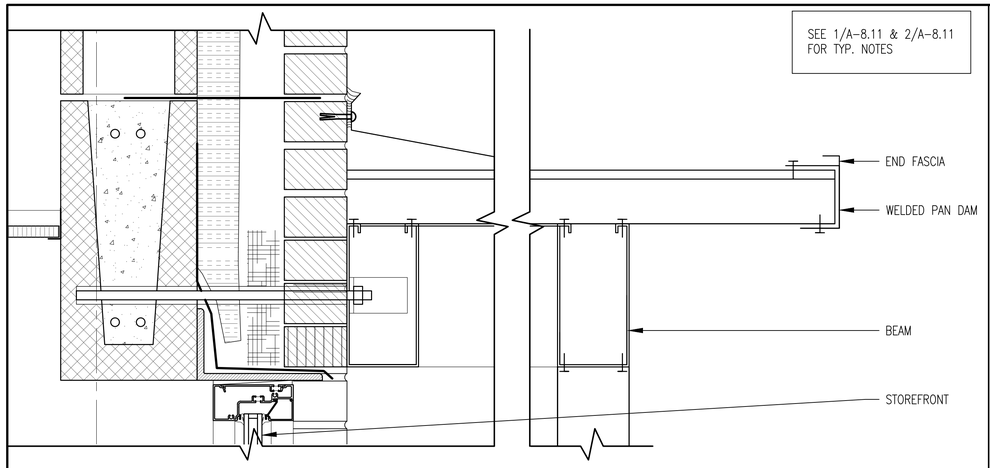
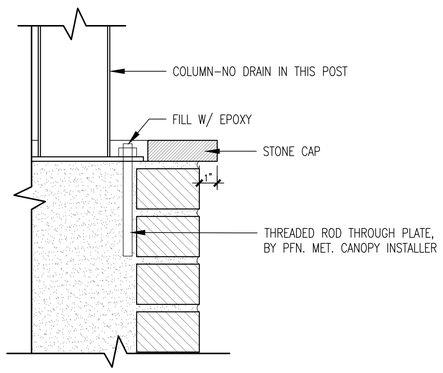


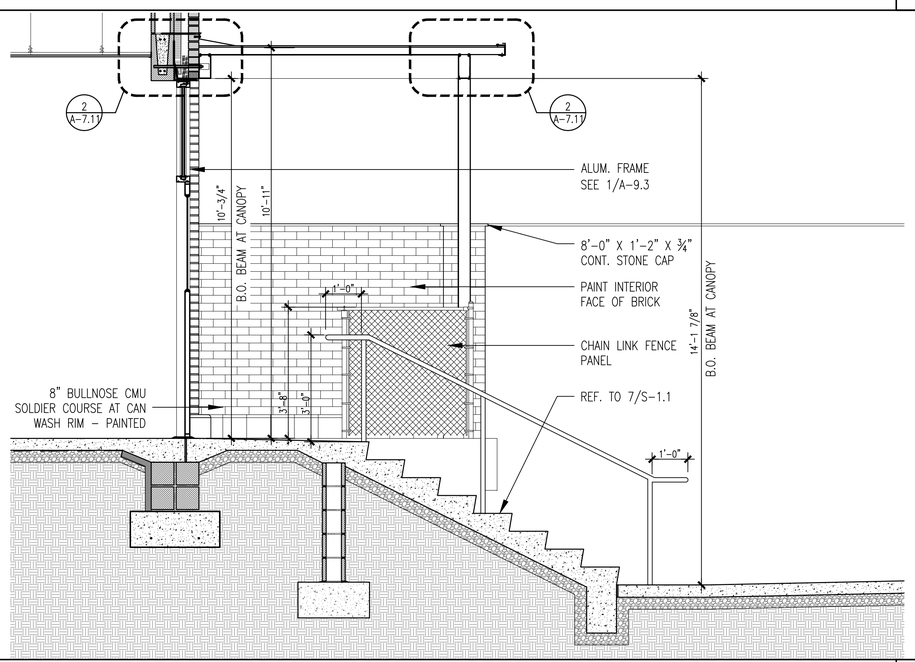
PFN. MET. CANOPY - BEAM, FASCIA, AND FLASHING — 2

Scale: 3" = 1'-0"



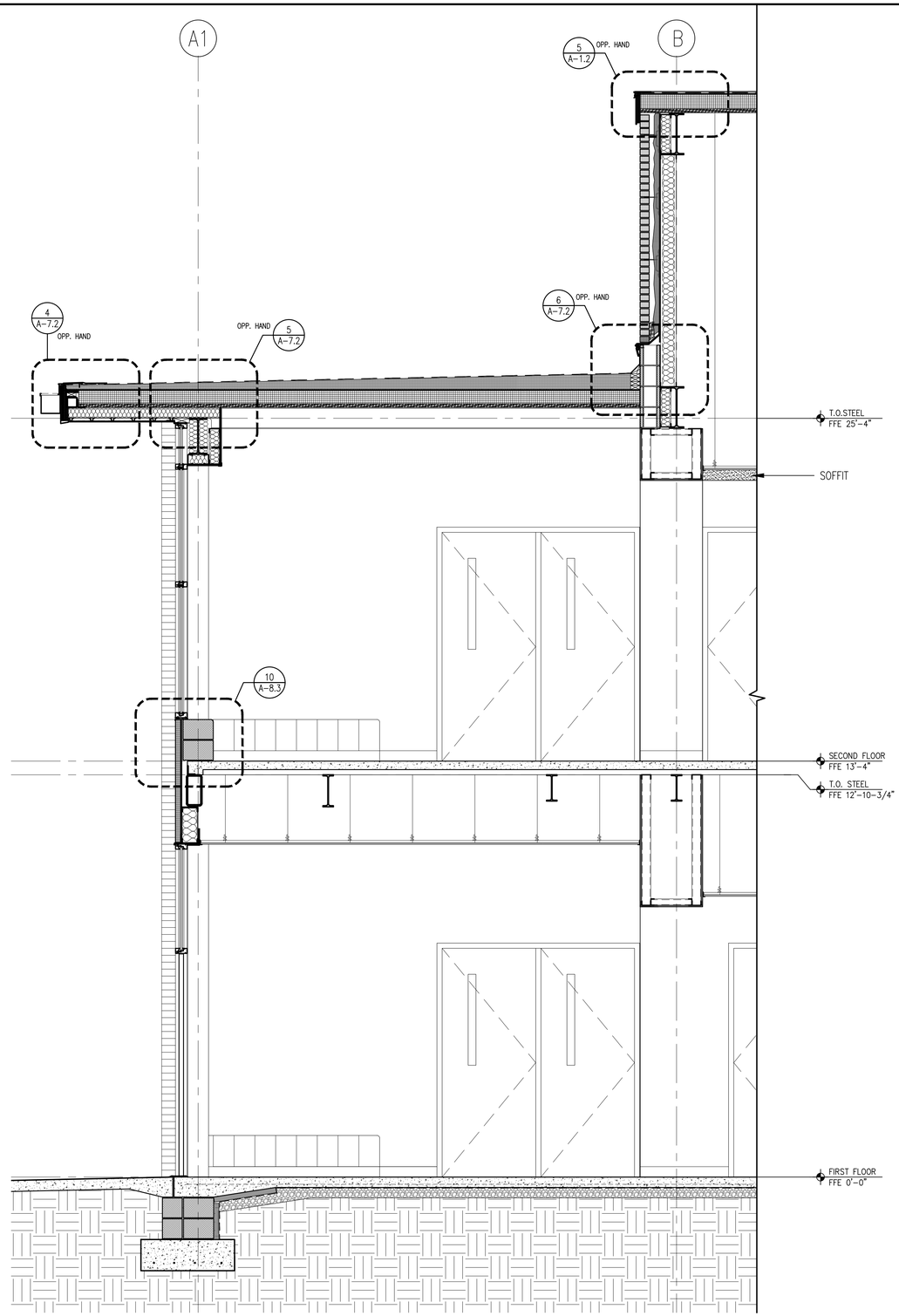
CANOPY COLUMN CONNECTION — 3

Scale: 3" = 1'-0"



@ LOADING DOCK — 4

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



SEE 1/A-7.1 FOR TYPICAL NOTES

@ STAIR 1 - NORTH - SOUTH — 1

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

0 6" 1' 2' 4' 6'

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. #P0339 — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — 3671 — Registered Architect — Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL SECTIONS

BID AND CONSTRUCTION

A-7.11

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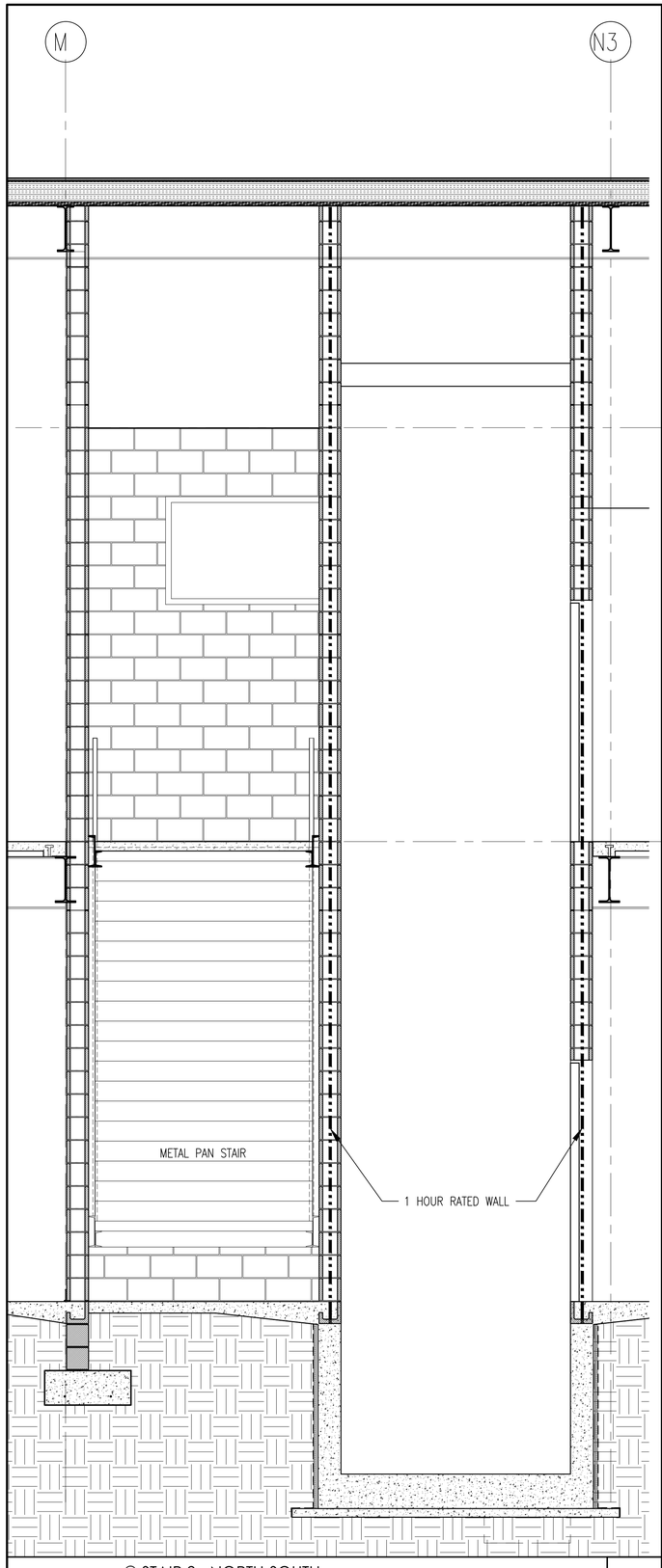
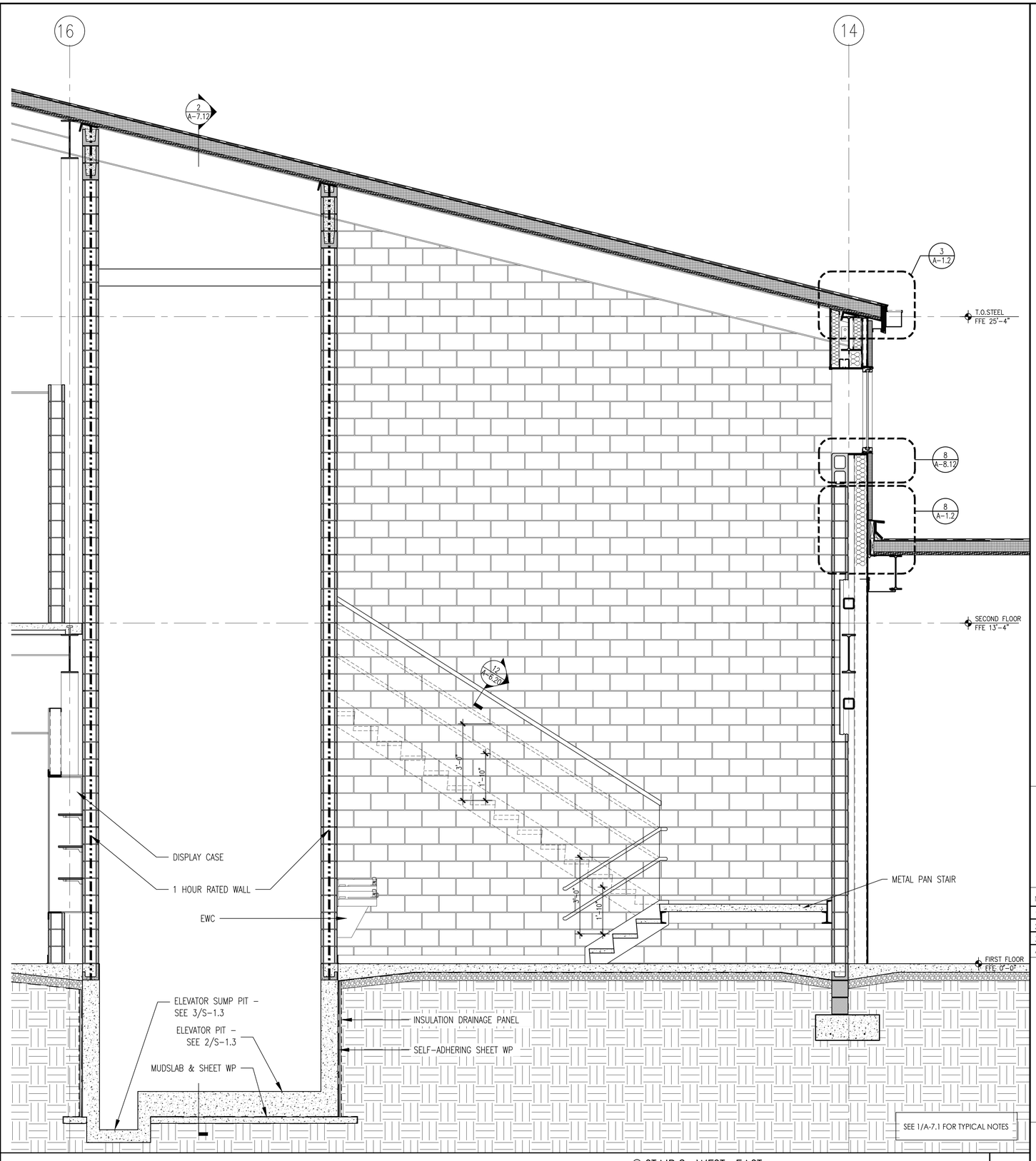


@ STAIR 2 - NORTH-SOUTH

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

0 6" 1' 2' 4' 6'

2



@ STAIR 2 - WEST - EAST

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

0 6" 1' 2' 4' 6'

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL AND STAIR SECTIONS

BID AND CONSTRUCTION

A-7.12

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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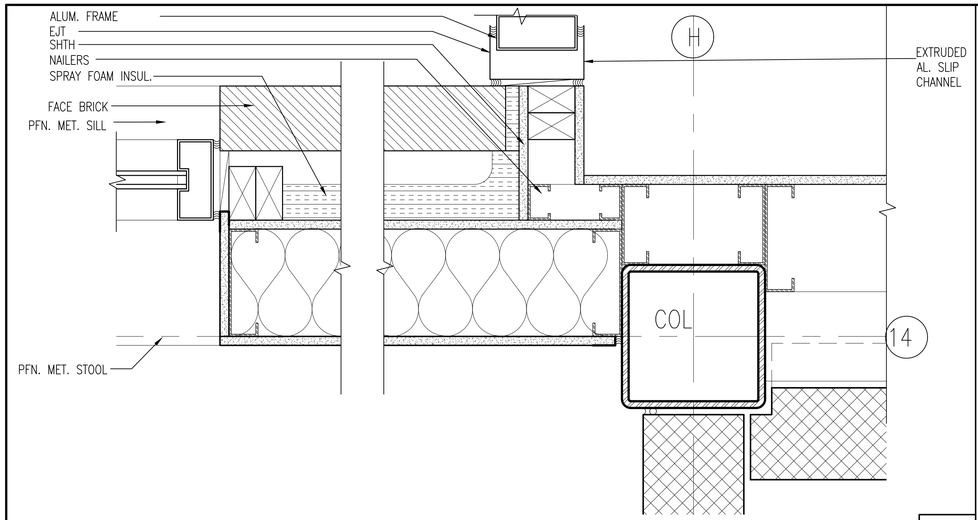
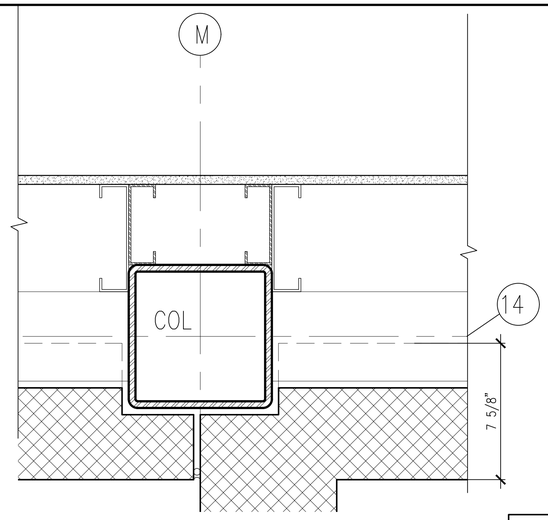


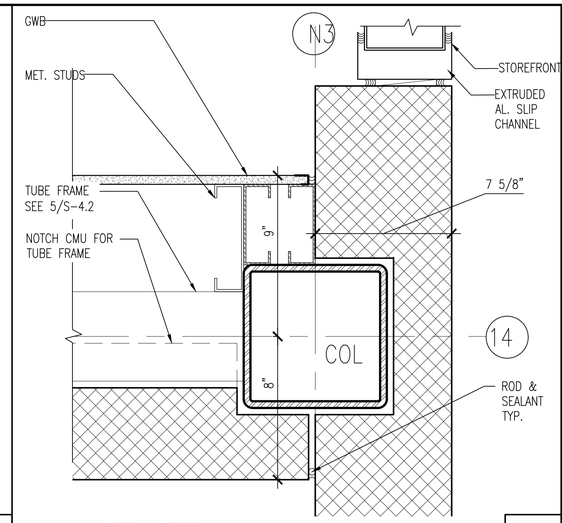
@ RLV #138 SOUTH WALL 9

SEE 2/A-8.1 FOR TYP. NOTES



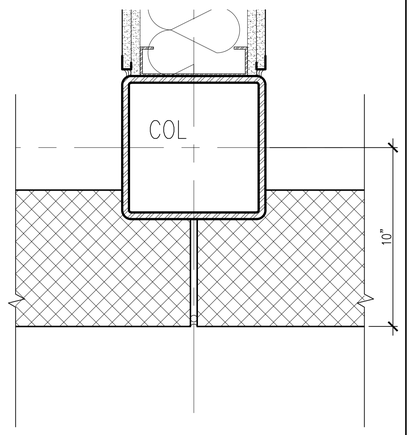
@ RLV #138 8

SEE 2/A-8.1 FOR TYP. NOTES

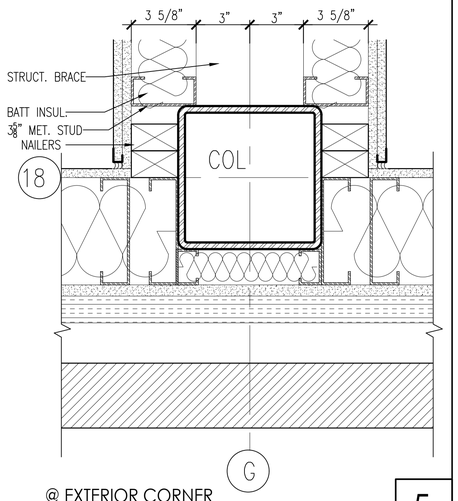


@ RLV #138 7

SEE 2/A-8.1 FOR TYP. NOTES

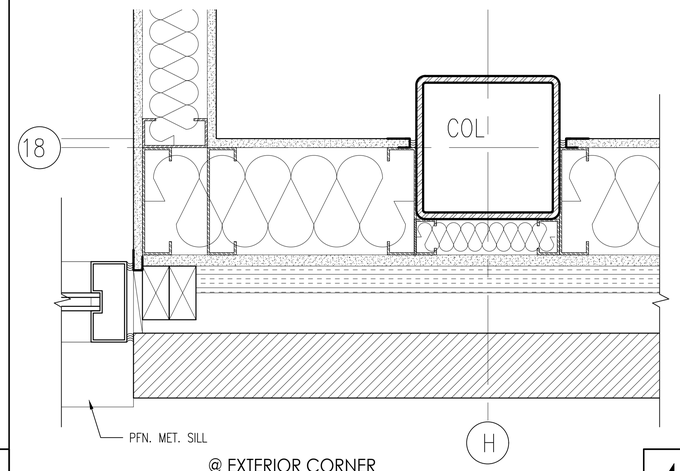


@ INTERIOR 6



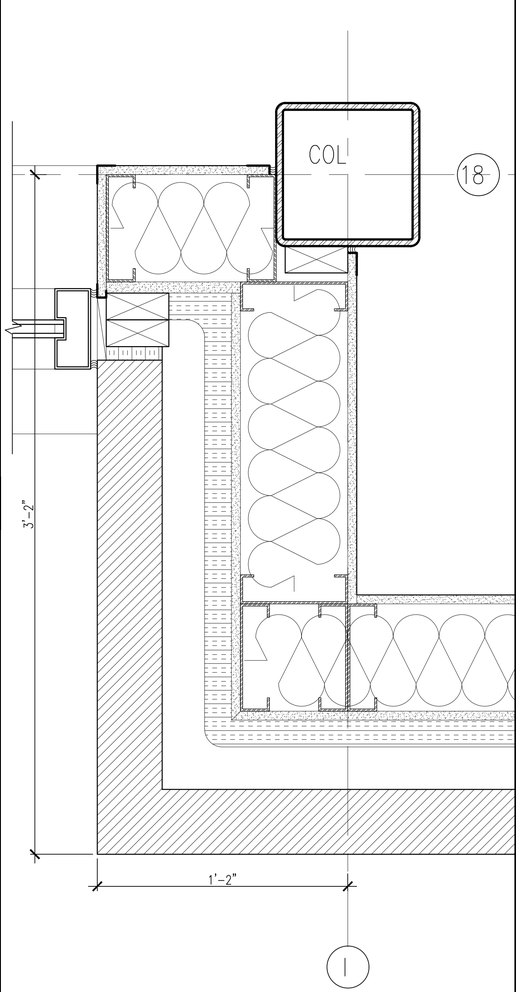
@ EXTERIOR CORNER 5

SEE 2/A-8.1 FOR TYP. NOTES



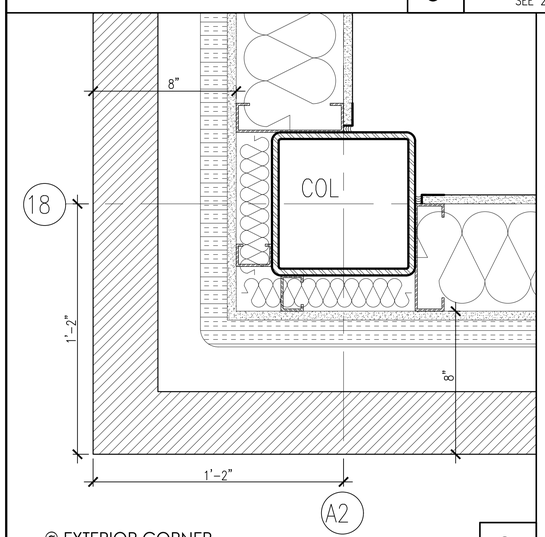
@ EXTERIOR CORNER 4

SEE 2/A-8.1 FOR TYP. NOTES



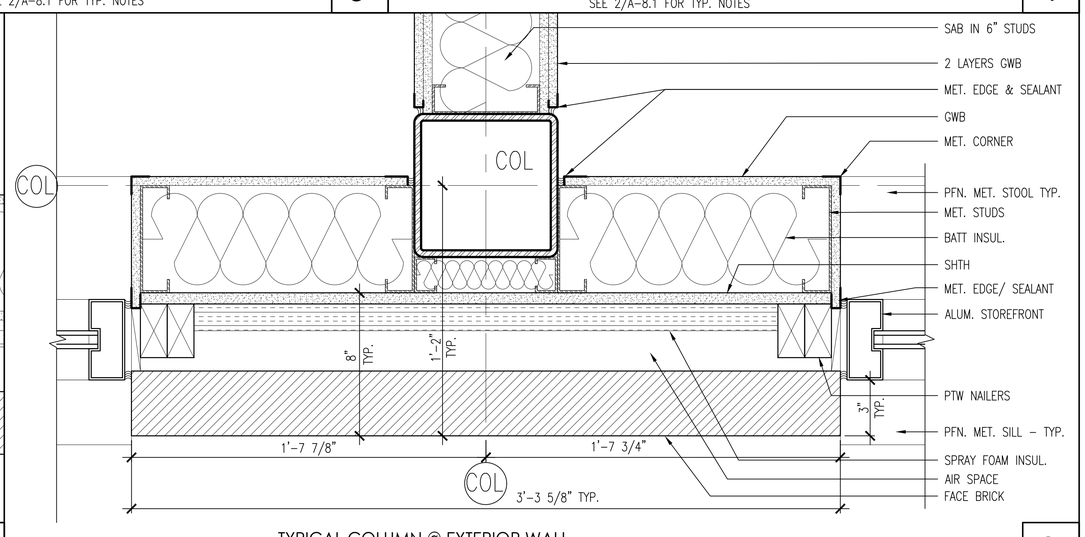
@ AP 108 1

SEE 2/A-8.1 FOR TYP. NOTES



@ EXTERIOR CORNER 3

SEE 2/A-8.1 FOR TYP. NOTES



TYPICAL COLUMN @ EXTERIOR WALL 2

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

ALL COLUMN DET SHEETS REFER TO A-2.7 COL MATRIX

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 North Carolina Chapel Hill, NC

David H. Clinton 3671 Registered Architect Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PLAN DETAILS

Scale: 3" = 1'-0"

0 1" 2" 4" 8" 1'

BID AND CONSTRUCTION

A-8.1

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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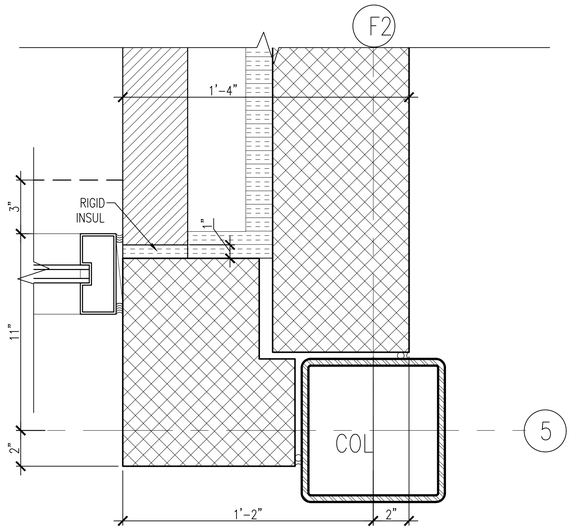
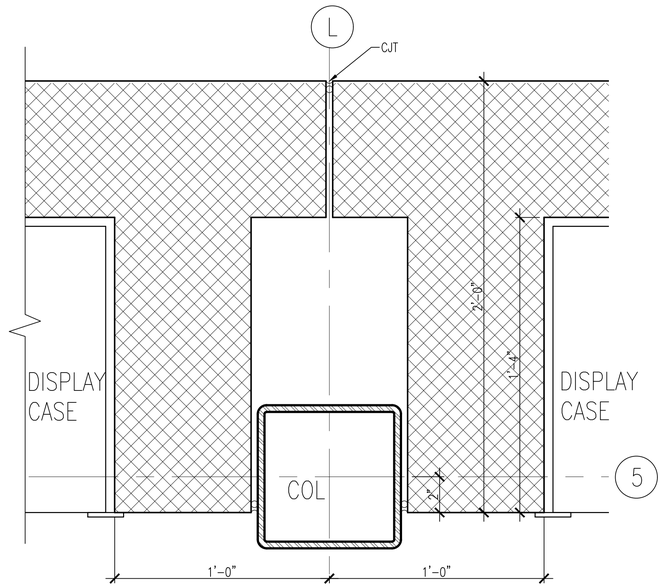


@ EXTERIOR WALL

SEE A-8.1 FOR TYP. NOTES

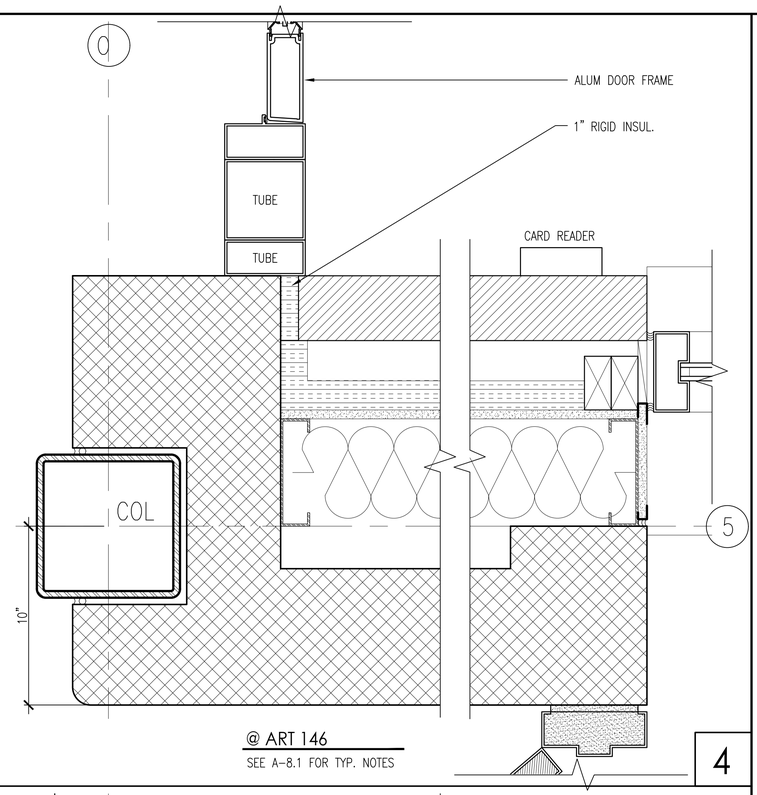
6



@ CORR 157-BETWEEN DISPLAYCASES

SEE A-8.1 FOR TYP. NOTES

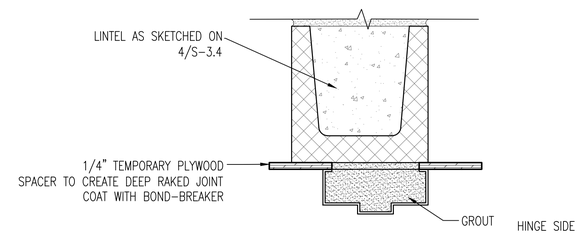
5



@ ART 146

SEE A-8.1 FOR TYP. NOTES

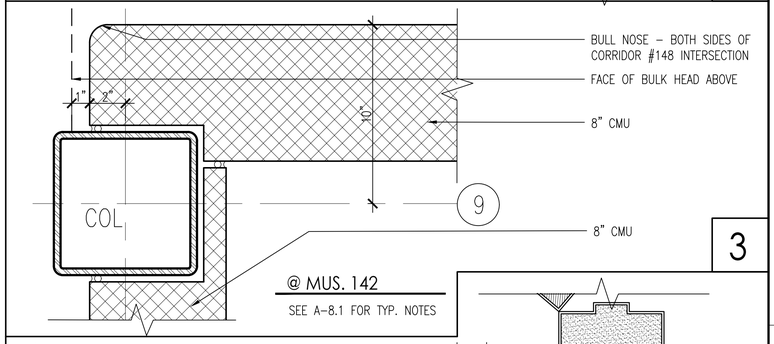
4



TYP. HOLLOW METAL HEAD IN CMU

SEE A-8.1 FOR TYP. NOTES

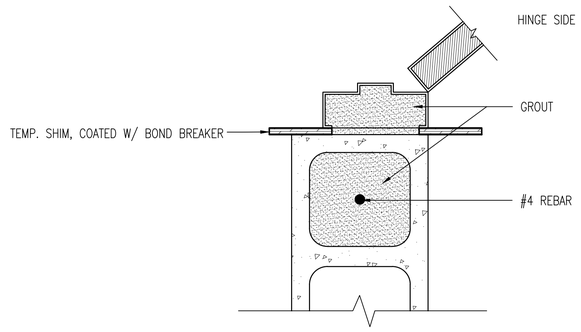
7



@ MUS. 142

SEE A-8.1 FOR TYP. NOTES

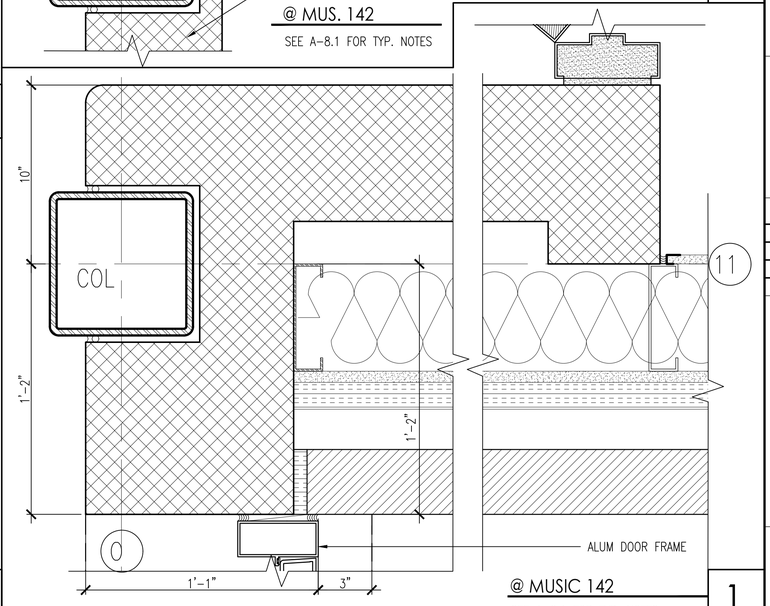
3



TYP. HOLLOW METAL HEAD IN CMU

SEE A-8.1 FOR TYP. NOTES

8



@ MUSIC 142

SEE A-8.1 FOR TYP. NOTES

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

ALL COLUMN DET SHEETS REFER TO A-2.7 COL MATRIX

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PLAN DETAILS

Scale: 3" = 1'-0"

0 1" 2" 4" 8" 1'

BID AND CONSTRUCTION

A-8.2

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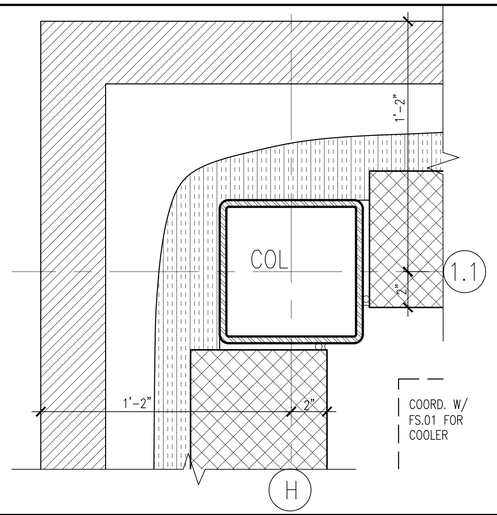
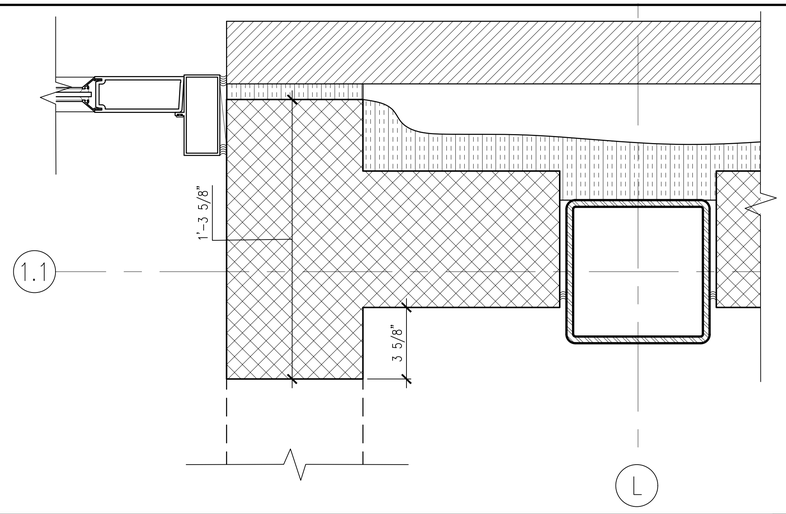


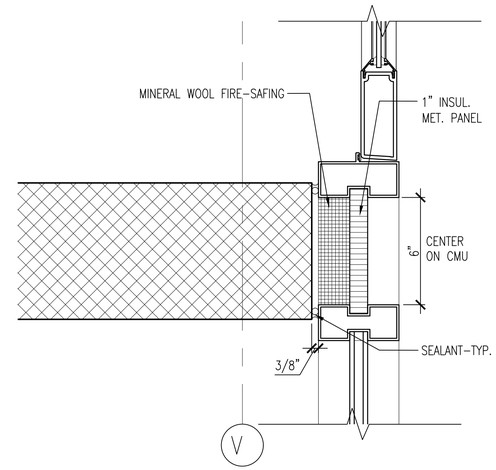
@ EXTERIOR WALL 9

SEE A-8.1 FOR TYP. NOTES



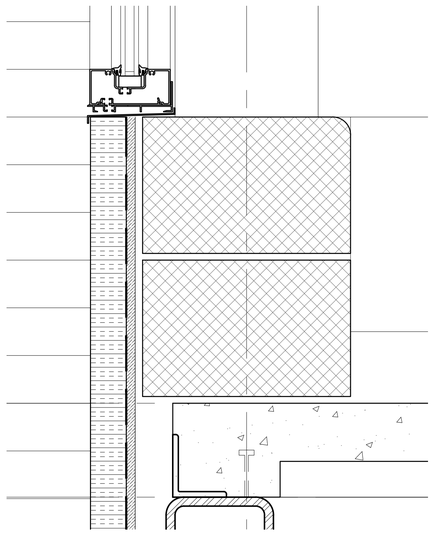
@ LOADING DOCK DOOR 8

SEE A-8.1 FOR TYP. NOTES

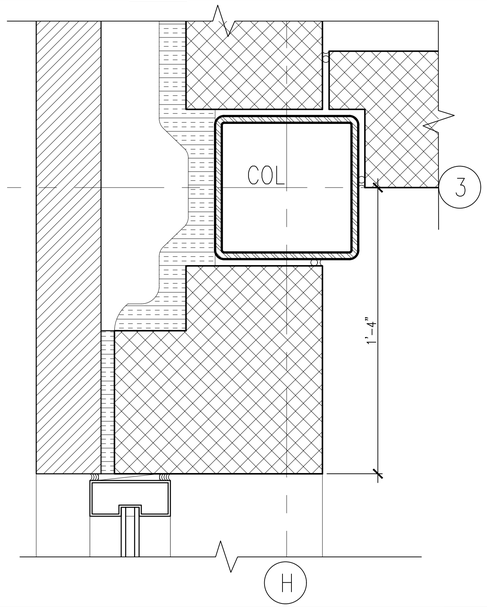


@ STAIR 3 7

SEE A-8.1 FOR TYP. NOTES

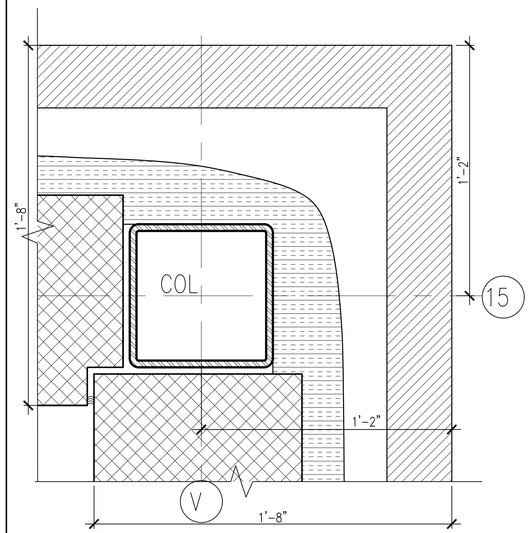


@ WINDOW SILL W/ EIFS @ STAIR 10



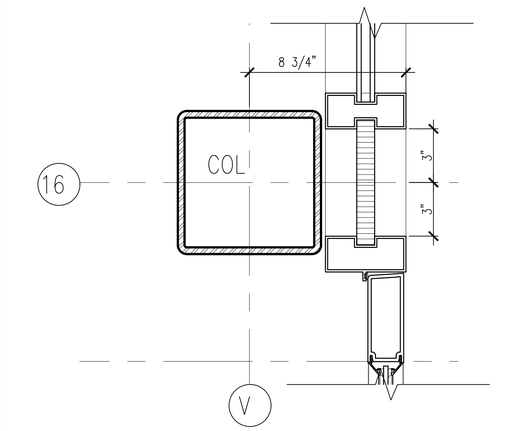
@ EXTERIOR WALL 6

SEE A-8.1 FOR TYP. NOTES



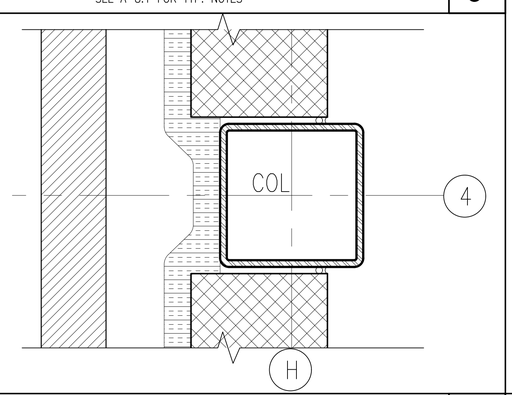
@ EXTERIOR WALL 5

SEE A-8.1 FOR TYP. NOTES



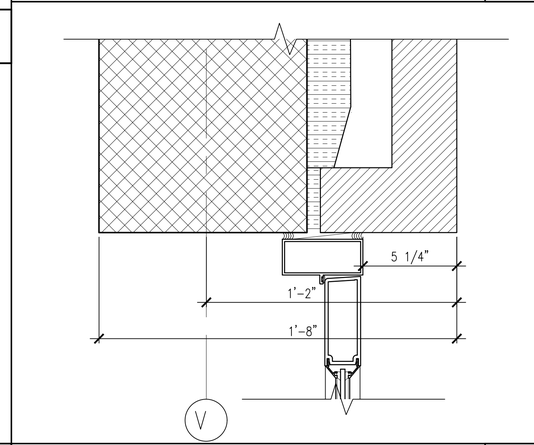
@ STAIR 3 4

SEE A-8.1 FOR TYP. NOTES



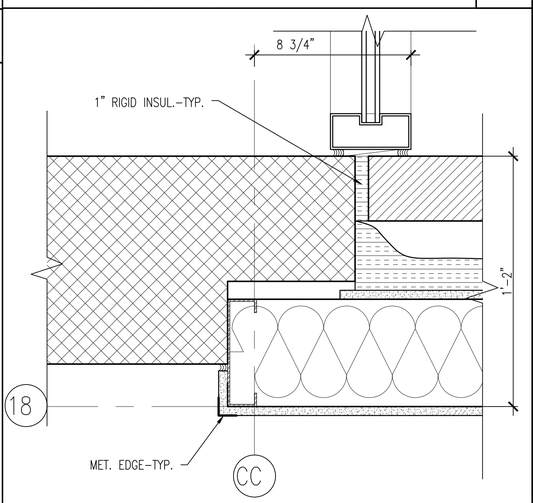
@ EXTERIOR WALL 3

SEE A-8.1 FOR TYP. NOTES



@ STAIR 3 JAMB 2

SEE A-8.1 FOR TYP. NOTES



@ EXTERIOR WALL 1

SEE A-8.1 FOR TYP. NOTES

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

ALL COLUMN DET SHEETS REFER TO A-2.7 COL MATRIX

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated ARCHITECTURE 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 PROFESSIONAL Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

SECTION & PLAN DETAILS

Scale: 3" = 1'-0"

0 1" 2" 4" 8" 1'

BID AND CONSTRUCTION

A-8.3

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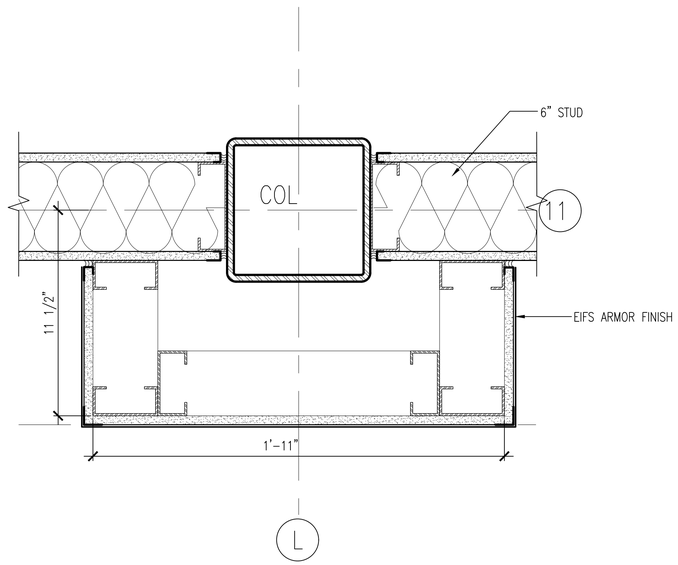
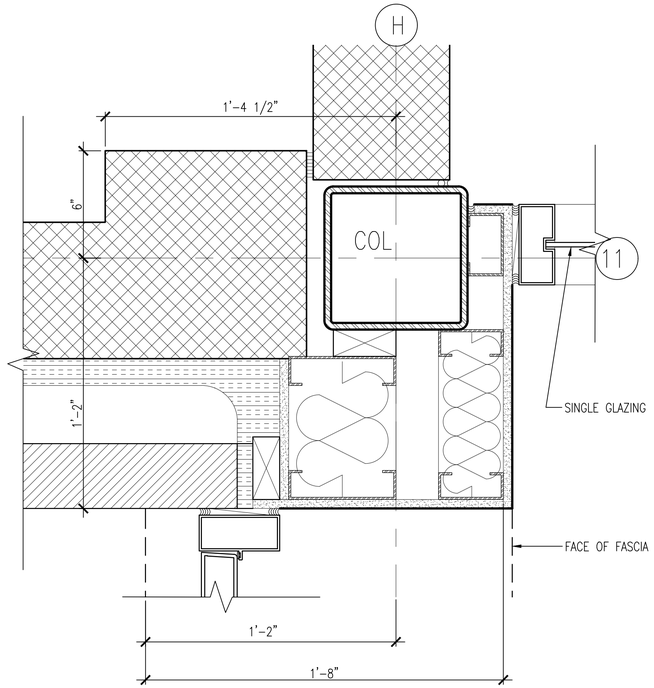


@ RLV #138

SEE A-8.1 FOR TYP. NOTES

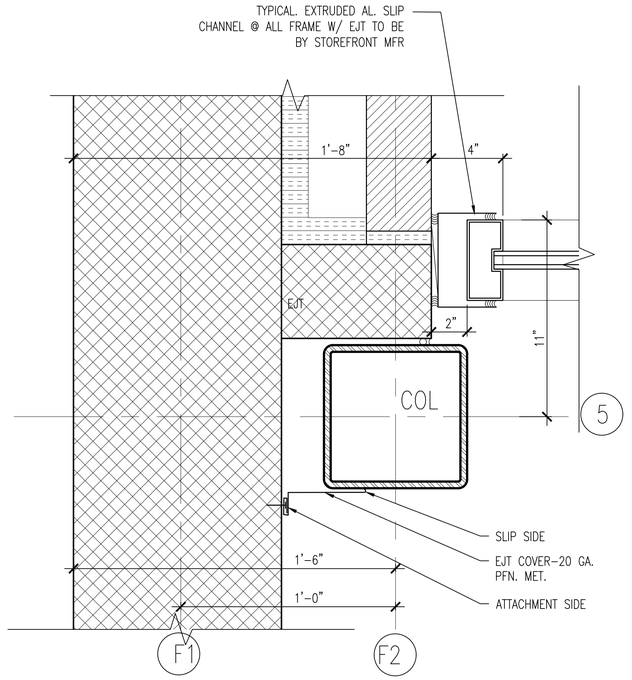
6



@ EXTERIOR WALL

SEE A-8.1 FOR TYP. NOTES

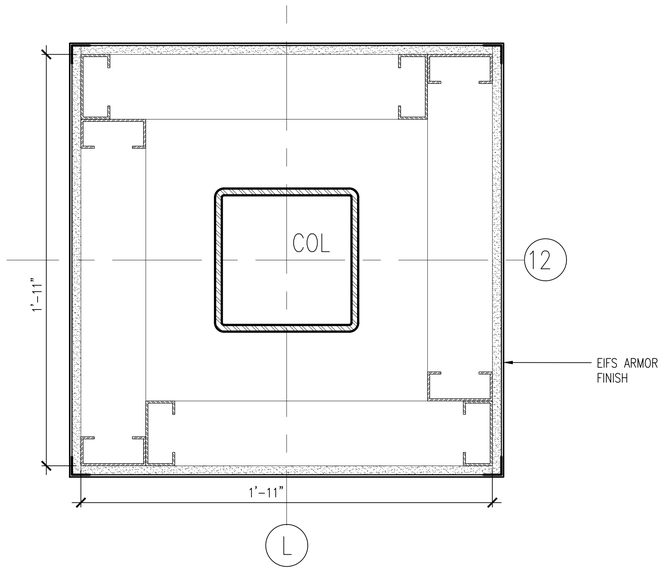
5



@ EXTERIOR WALL

SEE A-8.1 FOR TYP. NOTES

4

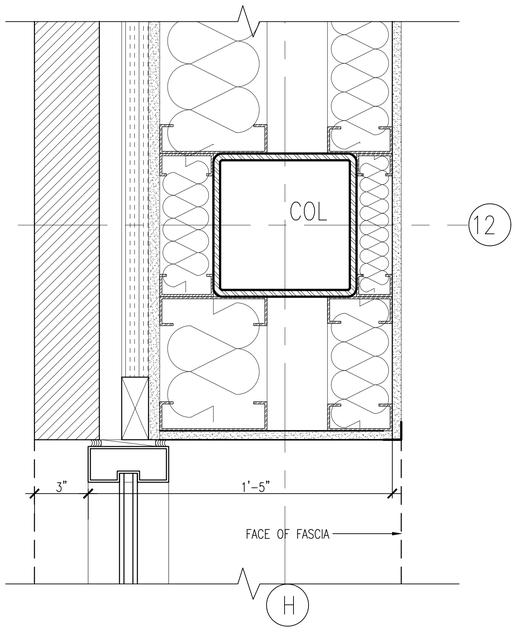


NOTE: COLUMNS AT PLATFORM RAMP ARE SIM. BUT ARE 8" SQ. (FIN.) AND HAVE NO STRUCT. TUBE

@ INTERIOR COLUMN

SEE A-8.1 FOR TYP. NOTES

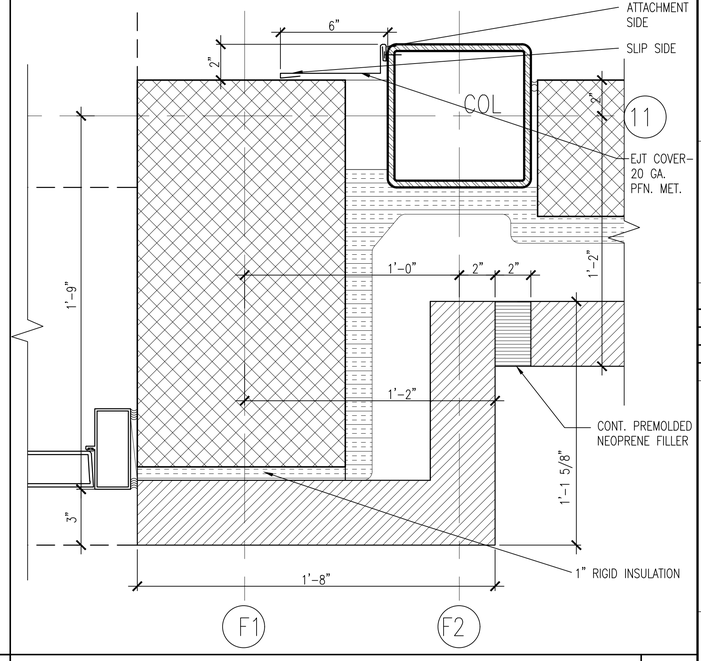
3



EXTERIOR WALL

SEE A-8.1 FOR TYP. NOTES

2



@ EXTERIOR WALL

SEE A-8.1 FOR TYP. NOTES

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

ALL COLUMN DET SHEETS REFER TO A-2.7 COL MATRIX

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 9671 — NORTH CAROLINA — CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PLAN DETAILS

Scale: 3" = 1'-0"

0 1" 2" 4" 8" 1'

BID AND CONSTRUCTION

A-8.4

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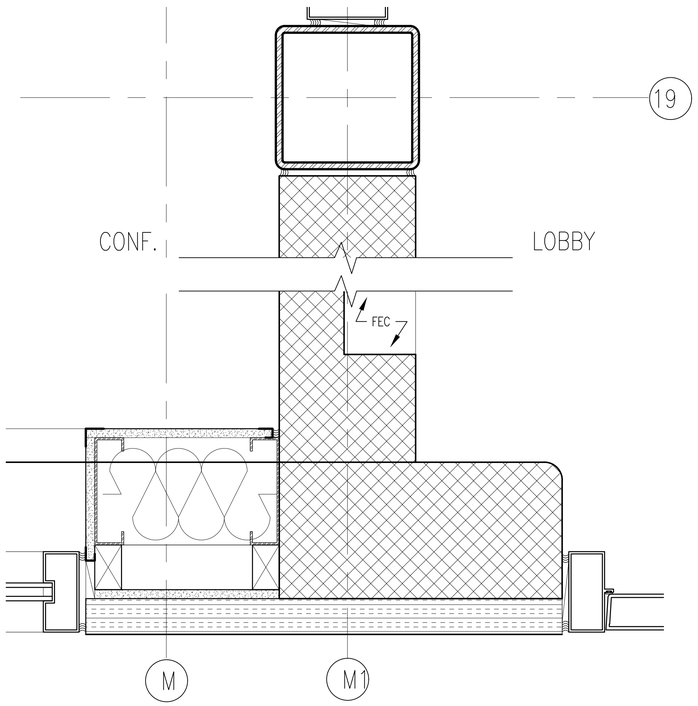
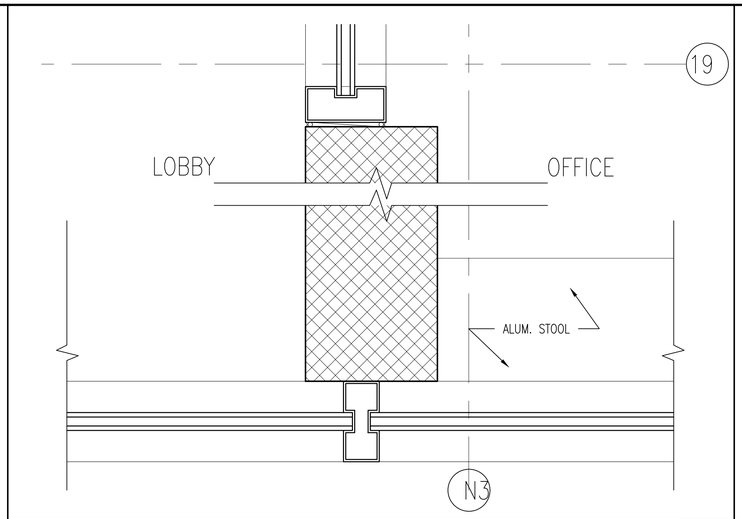
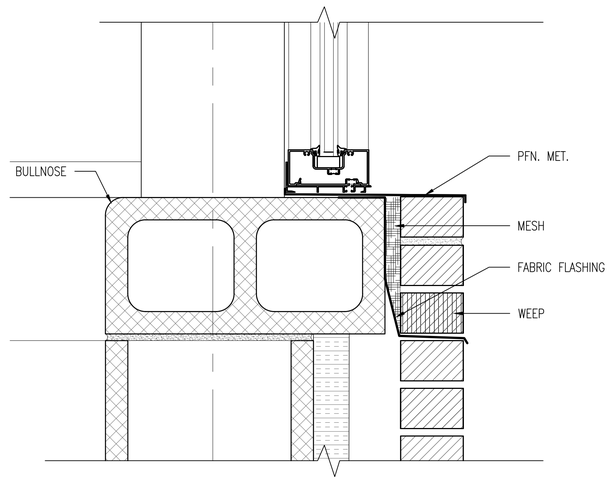


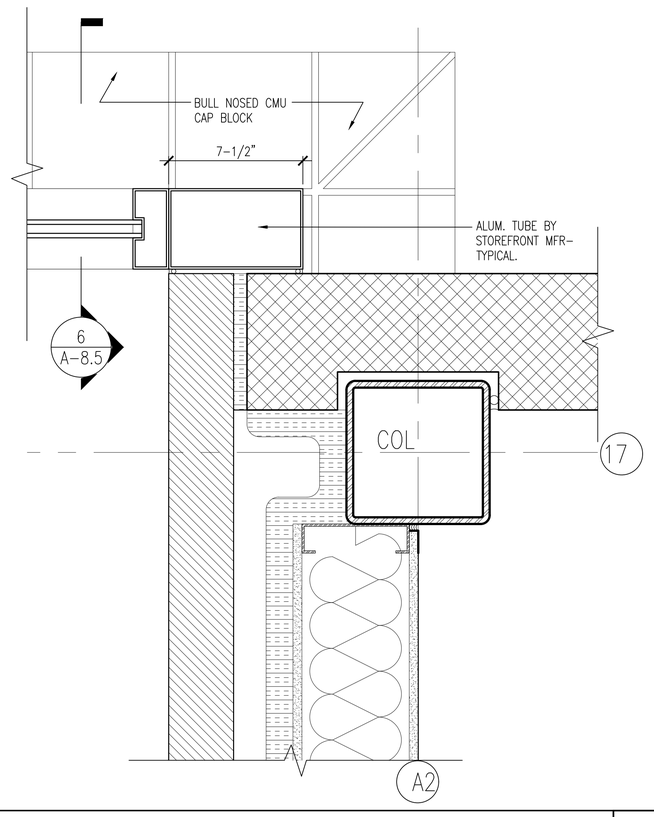
@CONF./LOBBY 8



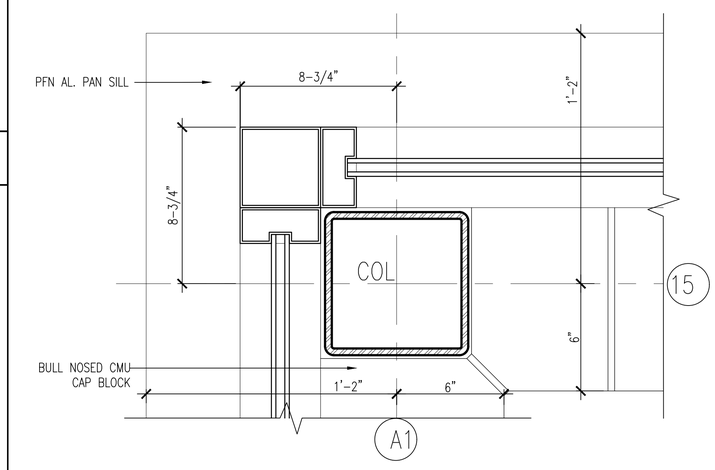
@LOBBY/OFFICE 7



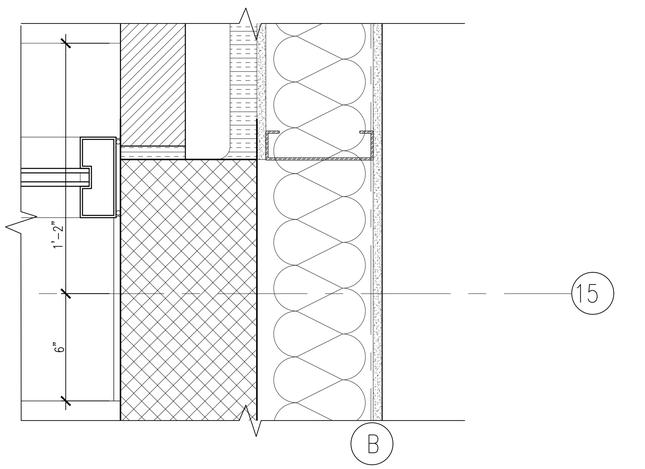
WINDOW SILL W/ BRICK VENEER @ STAIR 6



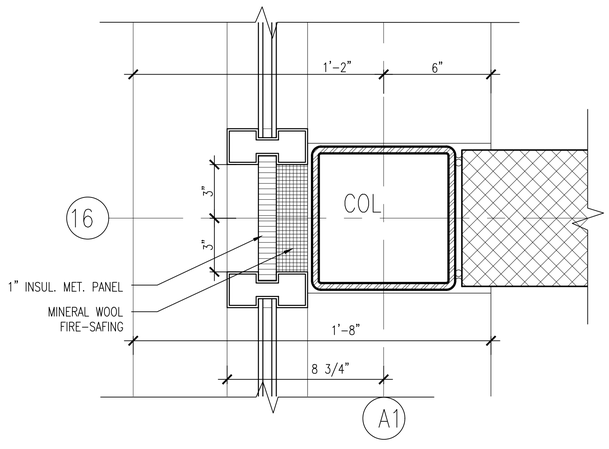
@ EXTERIOR WALL - LEVEL 2
SEE A-8.1 FOR TYP. NOTES 3



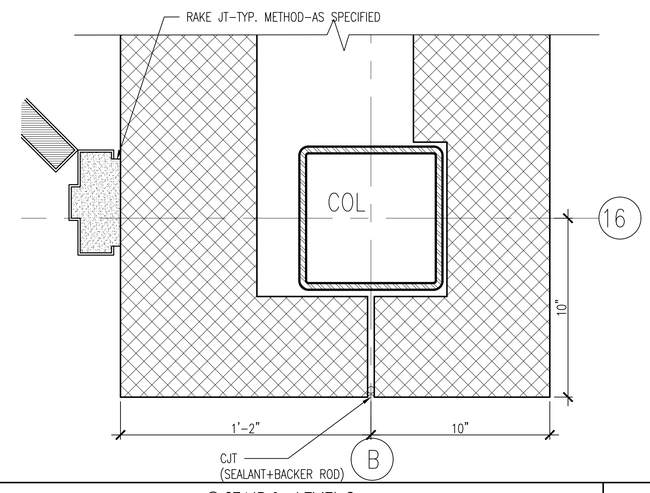
@ EXTERIOR WALL - LEVEL 2
SEE A-8.1 FOR TYP. NOTES 5



@ STAIR 1 - LEVEL 2
SEE A-8.1 FOR TYP. NOTES 4



@ EXTERIOR WALL - LEVEL 2
SEE A-8.1 FOR TYP. NOTES 2



@ STAIR 1 - LEVEL 2
SEE A-8.1 FOR TYP. NOTES 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

ALL COLUMN DET SHEETS REFER TO A-2.7 COL MATRIX

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Licensed Architecture 51679 North Carolina Chapel Hill, NC

David H. Clinton 3671 Registered Architect Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

SECTION & PLAN DETAILS LEVEL 2

Scale: 3" = 1'-0" (U.O.N.)

0 1" 2" 4" 8" 1'

BID AND CONSTRUCTION

A-8.5

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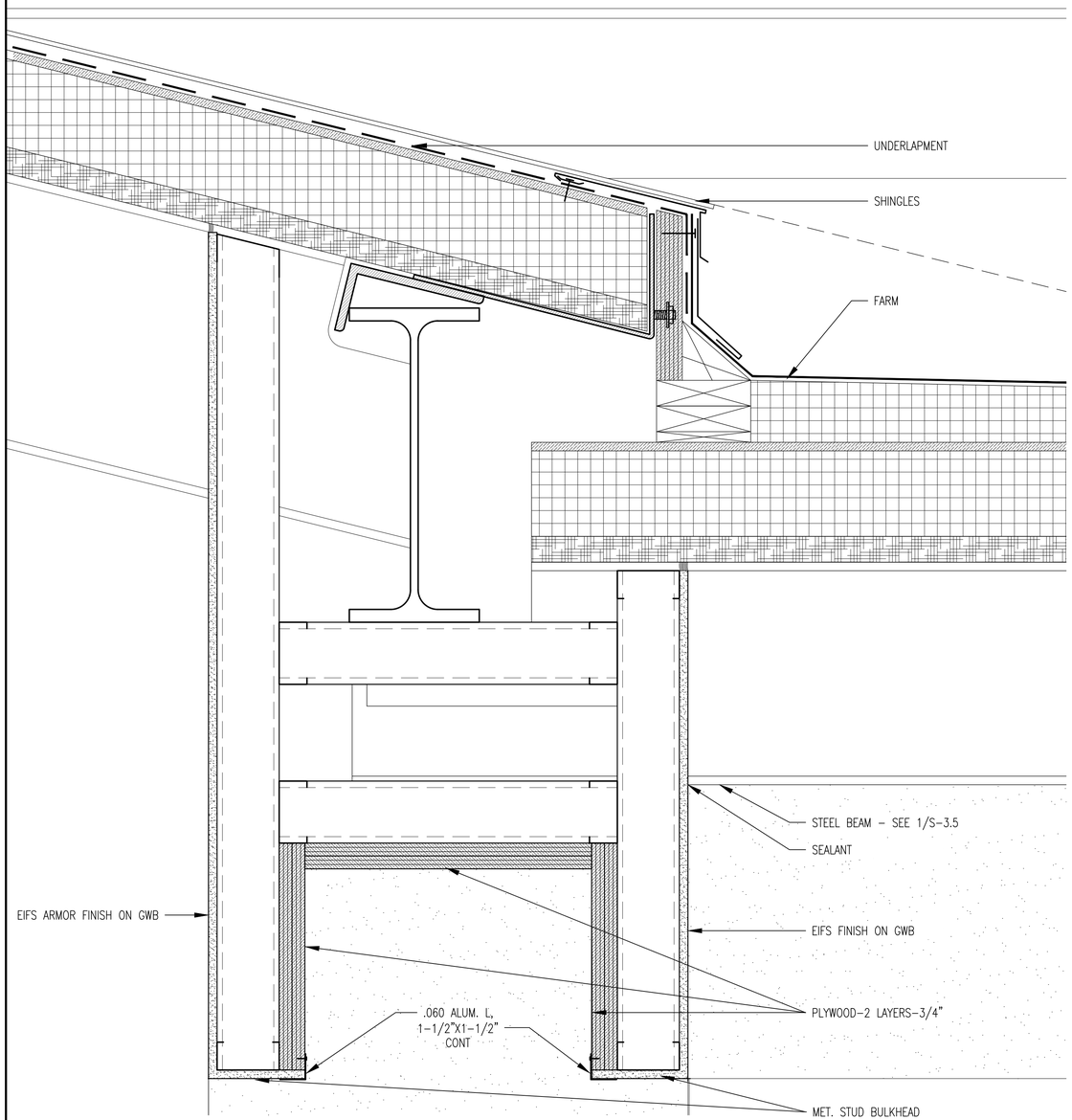
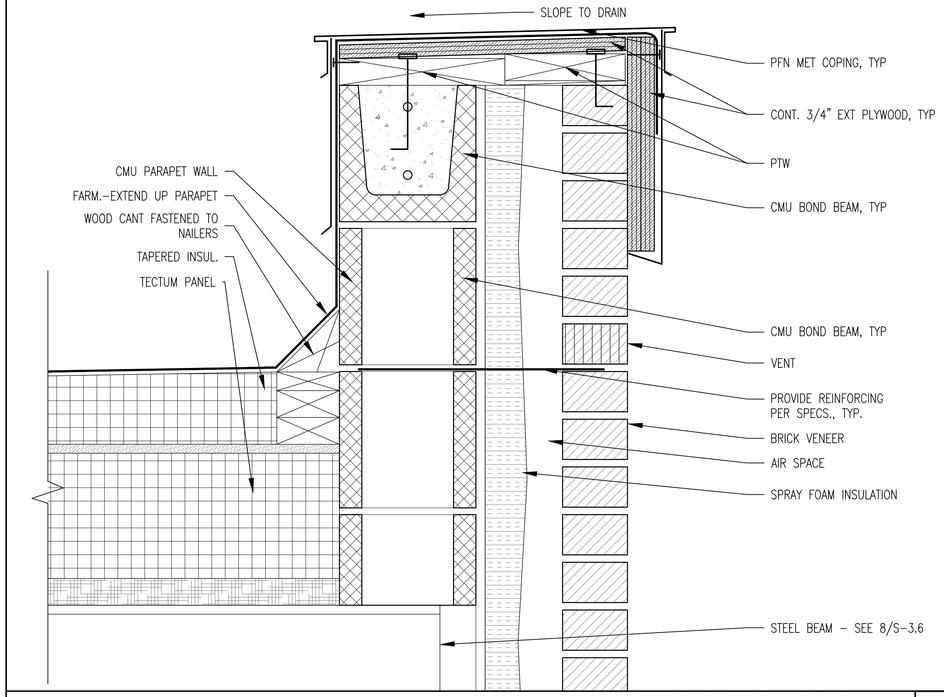
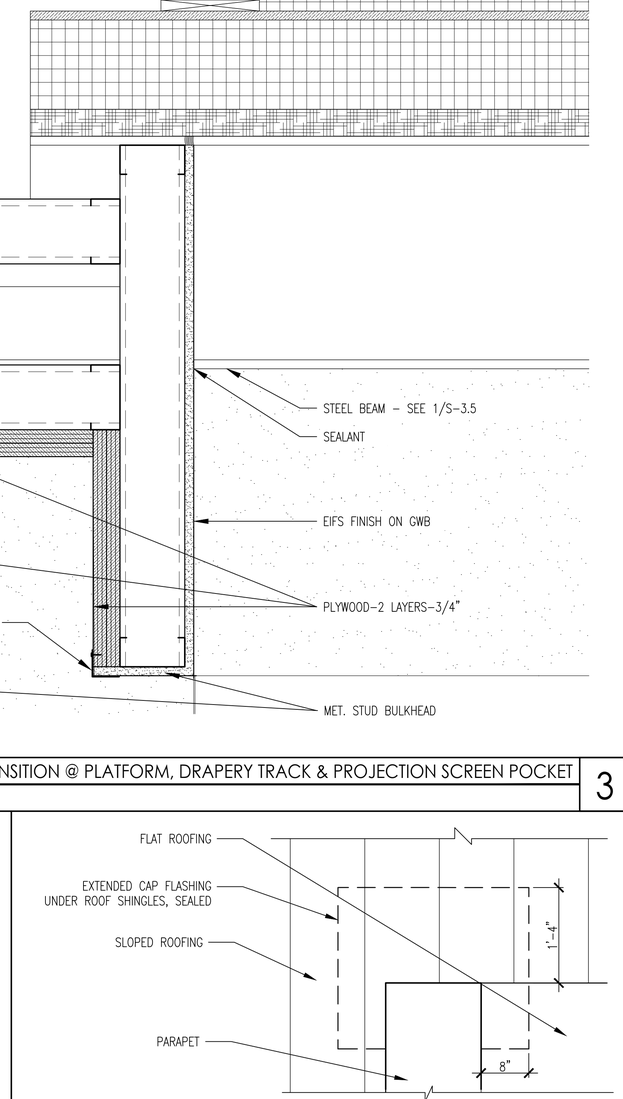


ROOF TRANSITION @ PLATFORM, DRAPERY TRACK & PROJECTION SCREEN POCKET 3

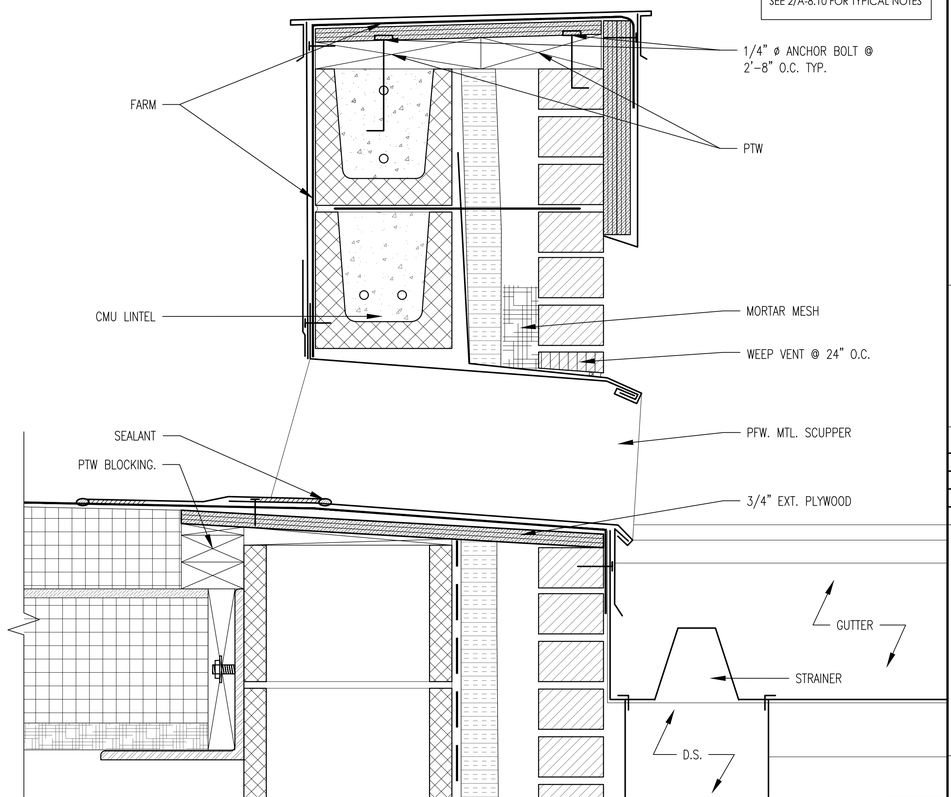


TYP. PARAPET @ MASONRY WALL 2



PARAPET CAP FLASHING EXTENT 4

SEE 2/A-8.10 FOR TYPICAL NOTES



SCUPPER @ MANSORY WALL 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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Szostak Design, Incorporated 51679 Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

SECTION DETAILS

0 1" 2" 4" 8" 1'

Scale: 3" = 1'-0"

BID AND CONSTRUCTION

A-8.10

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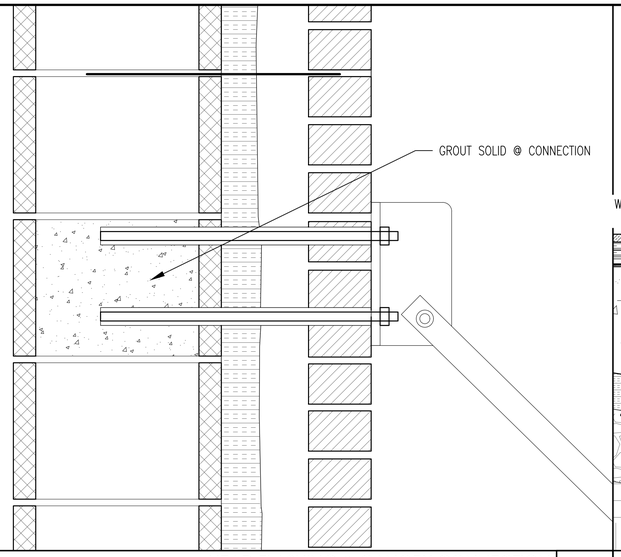
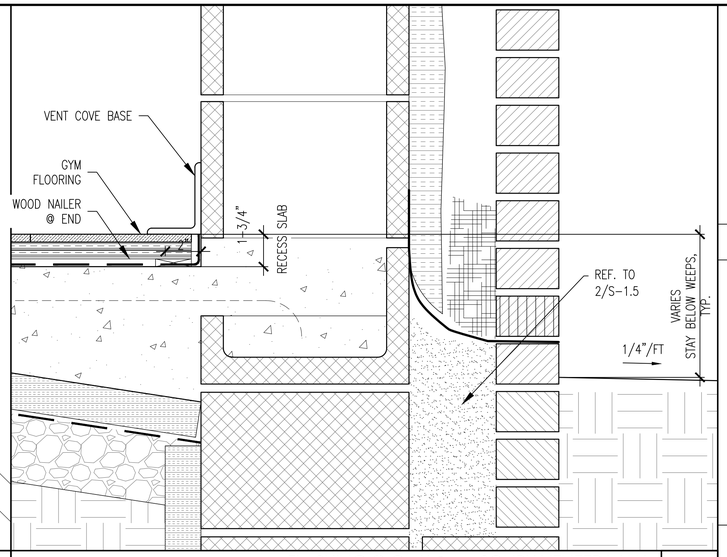
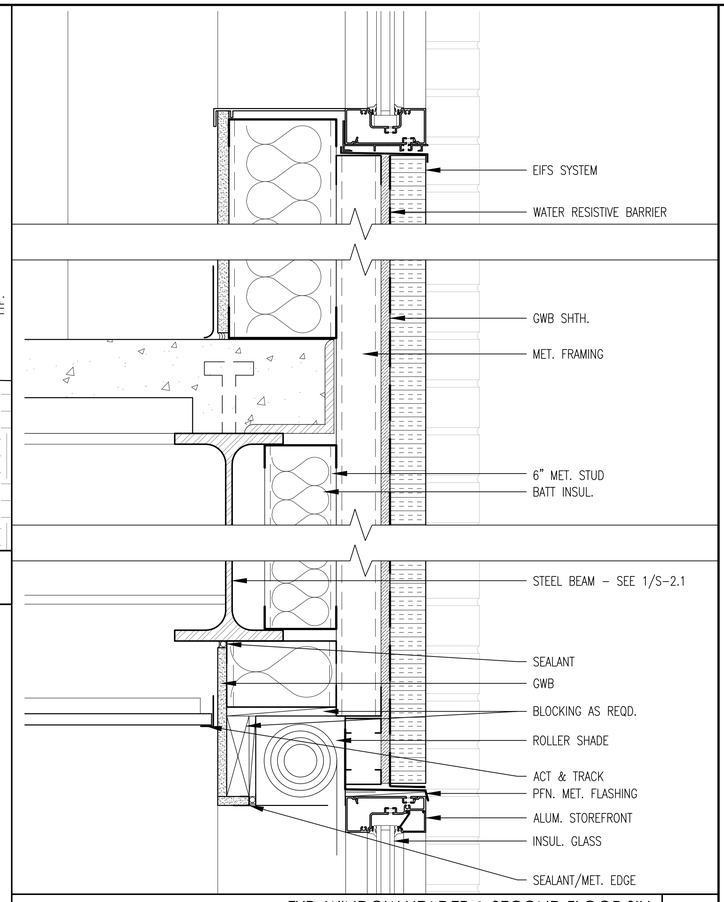


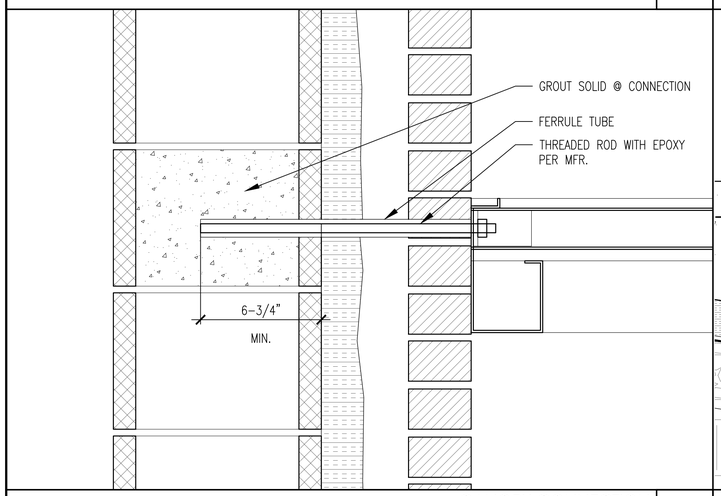
HEAD FLASHING & CANOPY CONNECTION 8



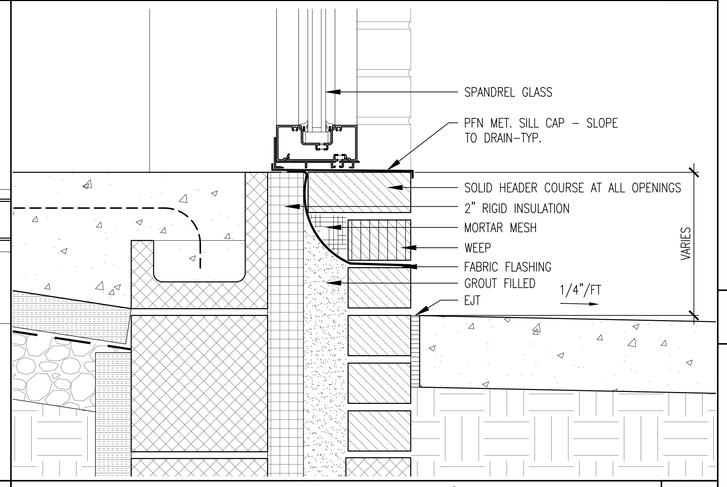
FLASHING @ CMU & MASONRY VENEER WALL 5



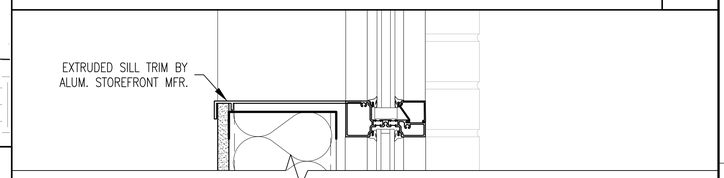
TYP. WINDOW HEADER & SECOND FLOOR SILL 2

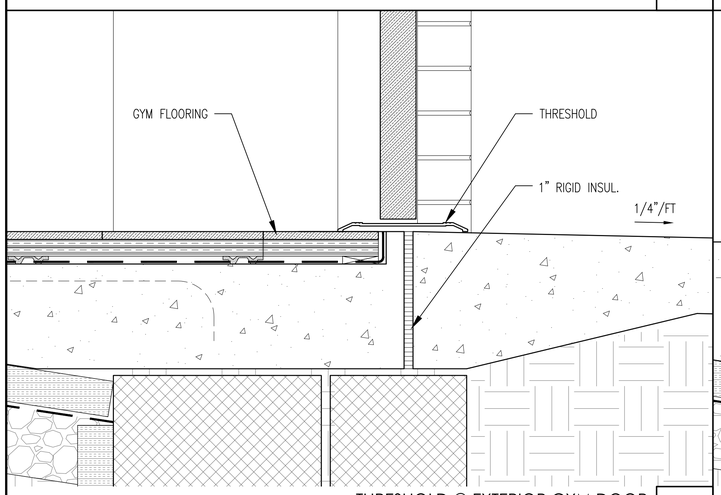


CANOPY CONNECTION 7

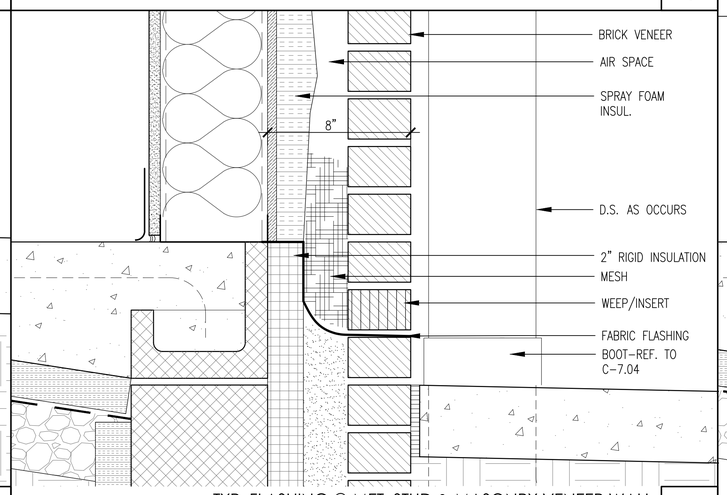


TYP. SILL FLASHING @ DINING WINDOW/RLV 4

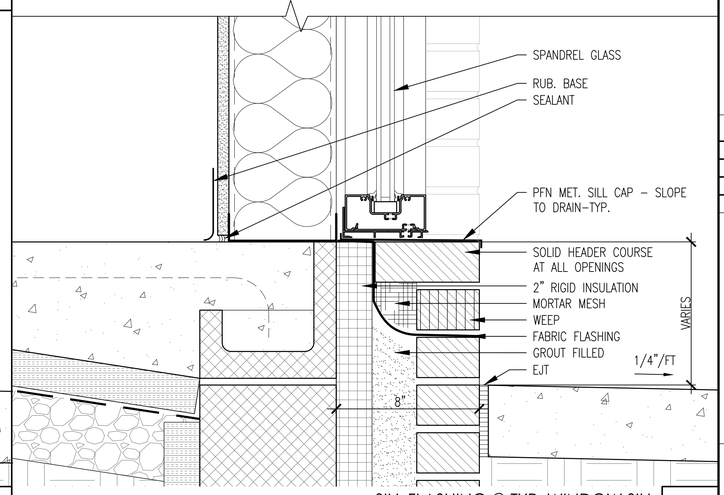




THRESHOLD @ EXTERIOR GYM DOOR 6



TYP. FLASHING @ MET. STUD & MASONRY VENEER WALL 3



SILL FLASHING @ TYP. WINDOW SILL 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 Chapel Hill, NC

DAVID H. CLINTON 3671 REGISTERED ARCHITECT CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

SECTION DETAILS

0 1" 2" 4" 8" 1'

Scale: 3" = 1'-0" (U.O.N.)

BID AND CONSTRUCTION

A-8.11

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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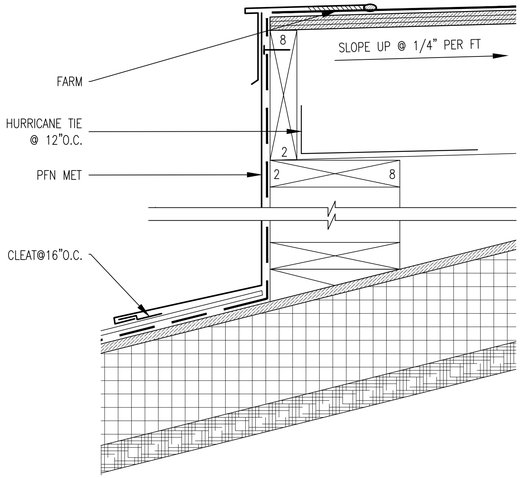
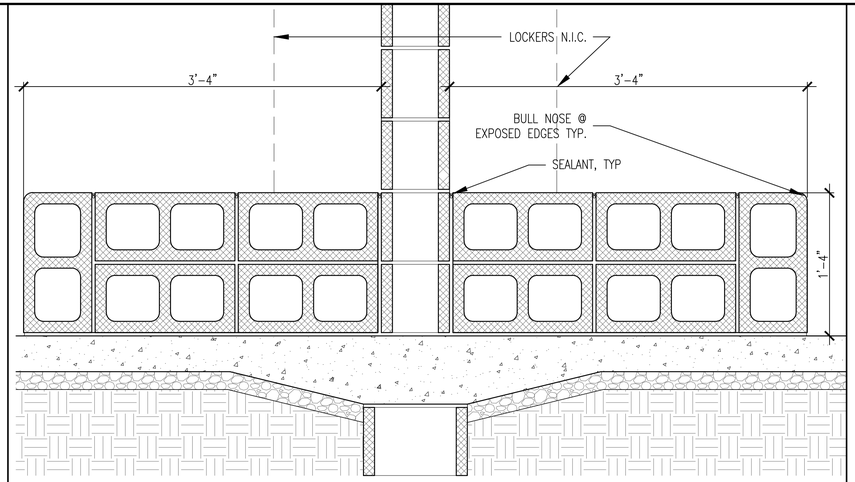
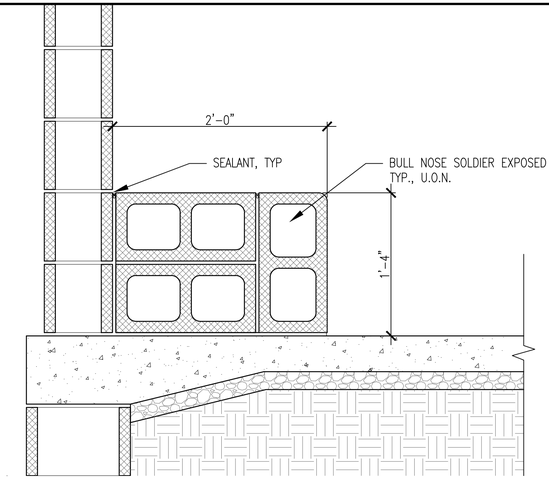


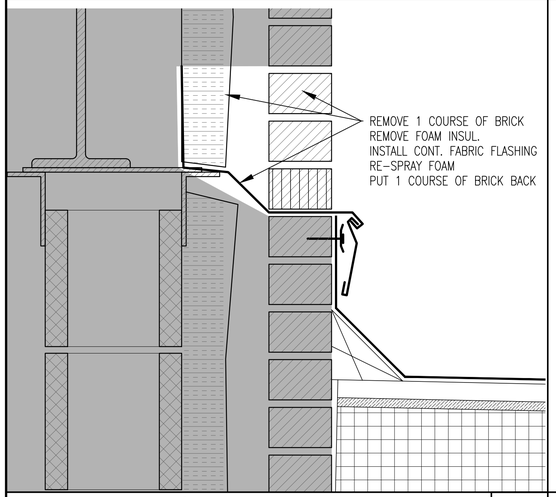
ROOF PLATFORM DETAIL | 10



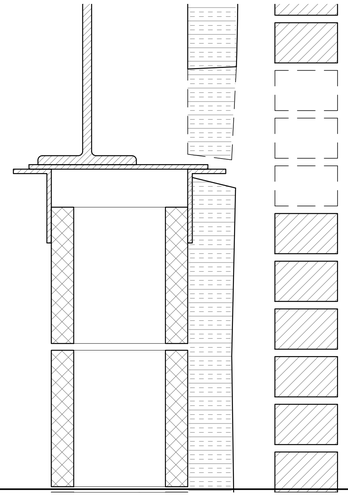
CMU BENCH DETAIL @ LOCKER ROOMS | 4
Scale: 1-1/2" = 1'-0"



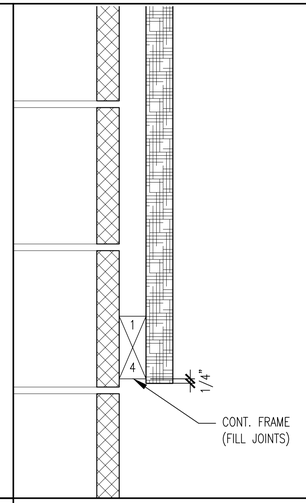
TYP. CMU BENCH DETAIL | 3
Scale: 1-1/2" = 1'-0"



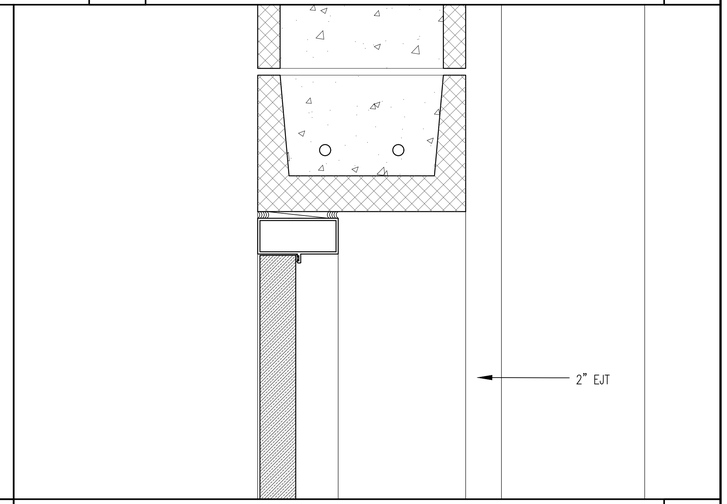
FLASHING DETAIL @ PASSAGE 147 - CONNECTION TO EXISTING WALL LOOKING WEST - PROPOSED | 9



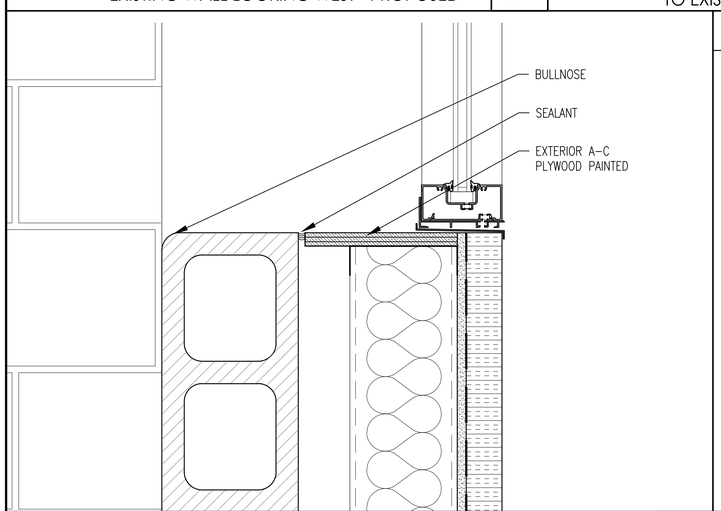
FLASHING DETAIL @ PASSAGE 147 - CONNECTION TO EXISTING WALL LOOKING WEST - DEMO | 6



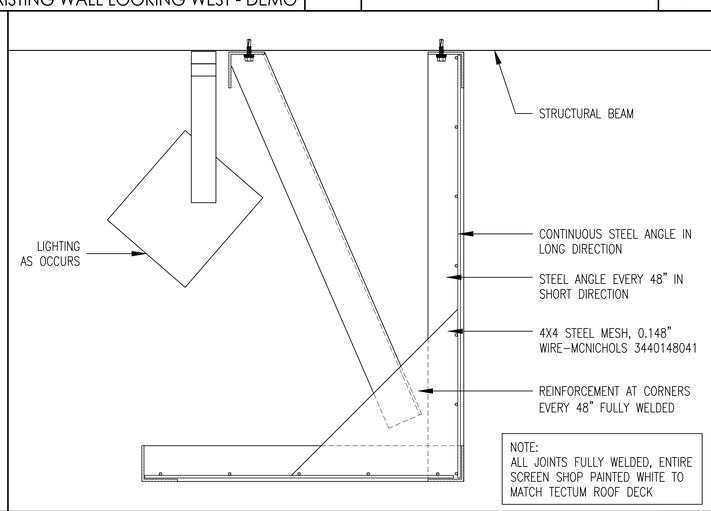
TYP. TECTUM PANEL EDGE | 5



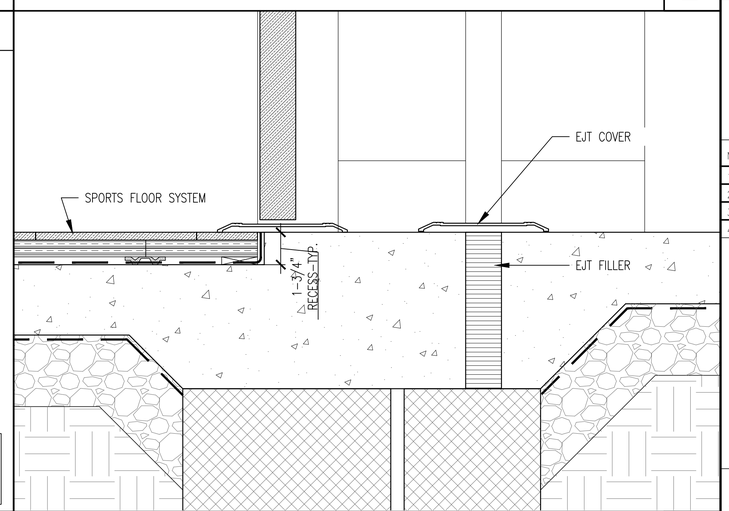
TYP. HEADER DETAIL @ ALUM. FRAME IN CMU WALL | 2



EIFS WINDOW SILL @ STAIR 2 | 8



LIGHT PROTECTION SCREEN | 7



INT. THRESHOLD DETAIL @ GYM | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

SECTION DETAILS

0 1" 2" 4" 8" 1'

Scale: 3" = 1'-0" (U.O.N.)

BID AND CONSTRUCTION

A-8.12

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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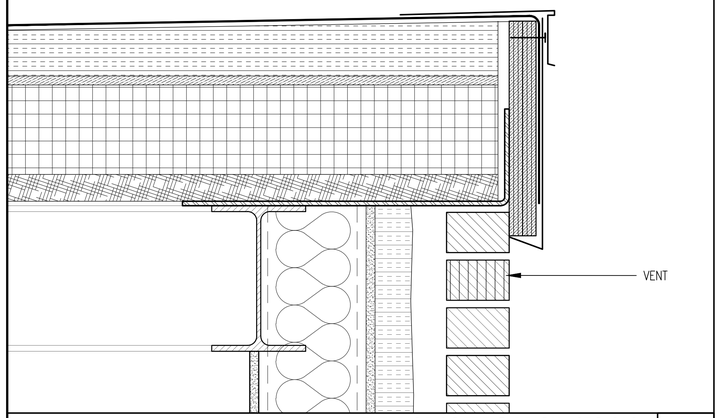
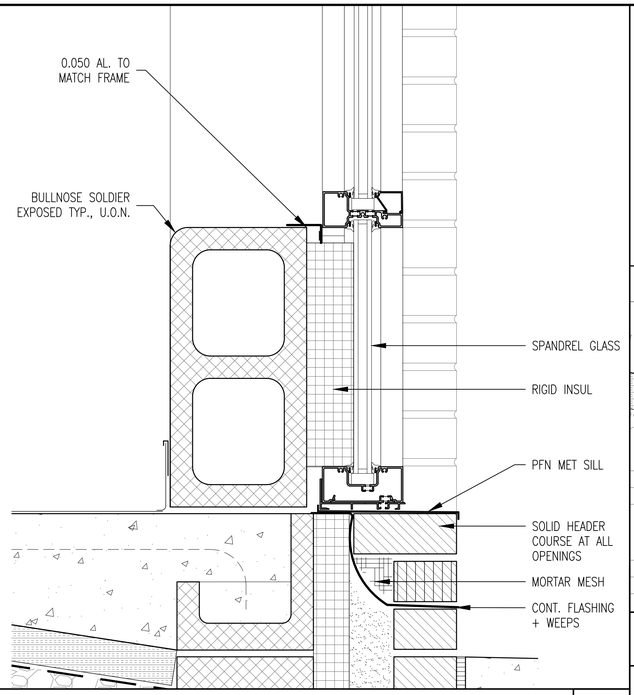
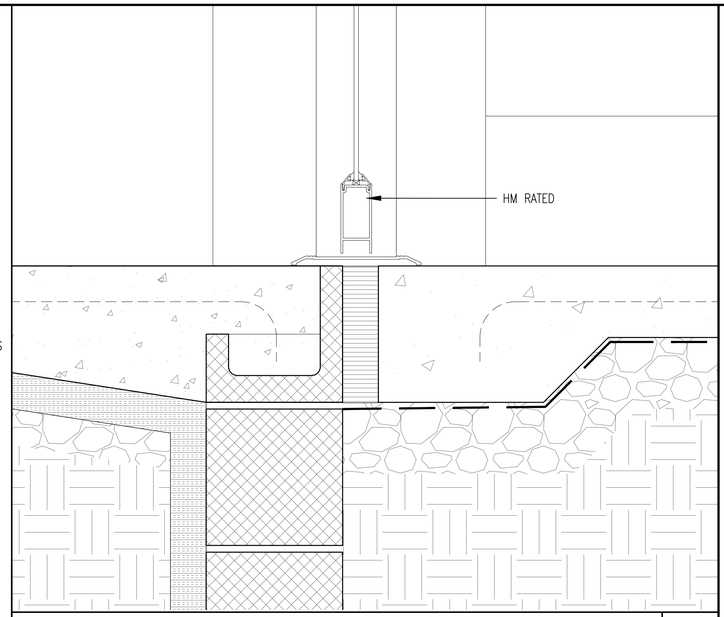


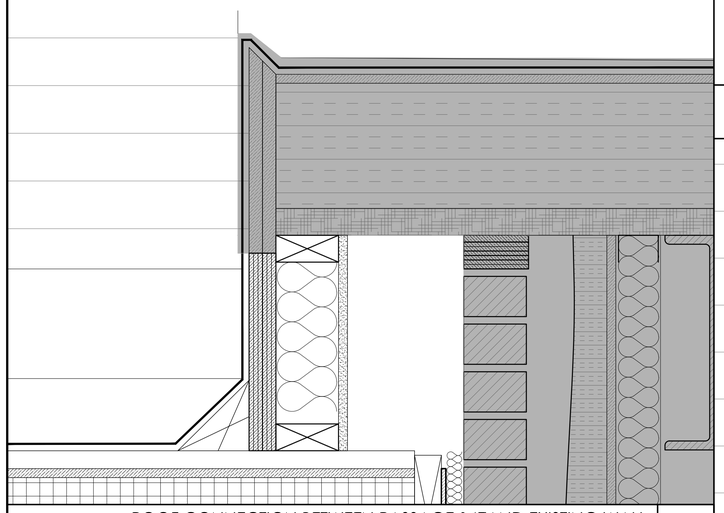
EXTERIOR SOFFIT @ BRICK - STO 018A | 5



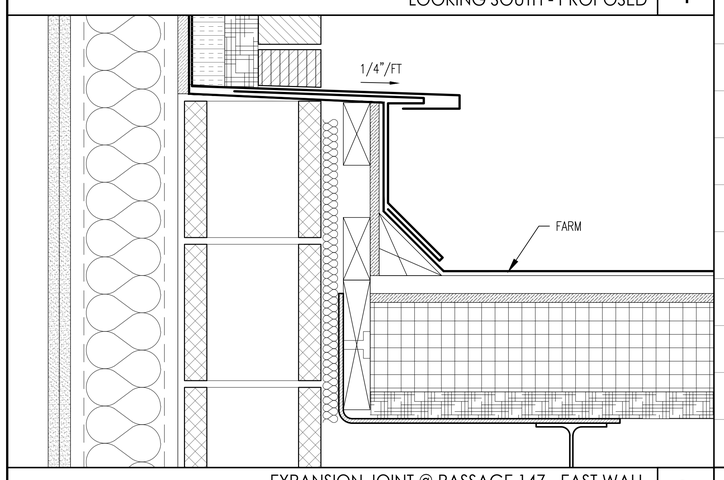
TYP. SILL FLASHING @ RLV CORR | 6



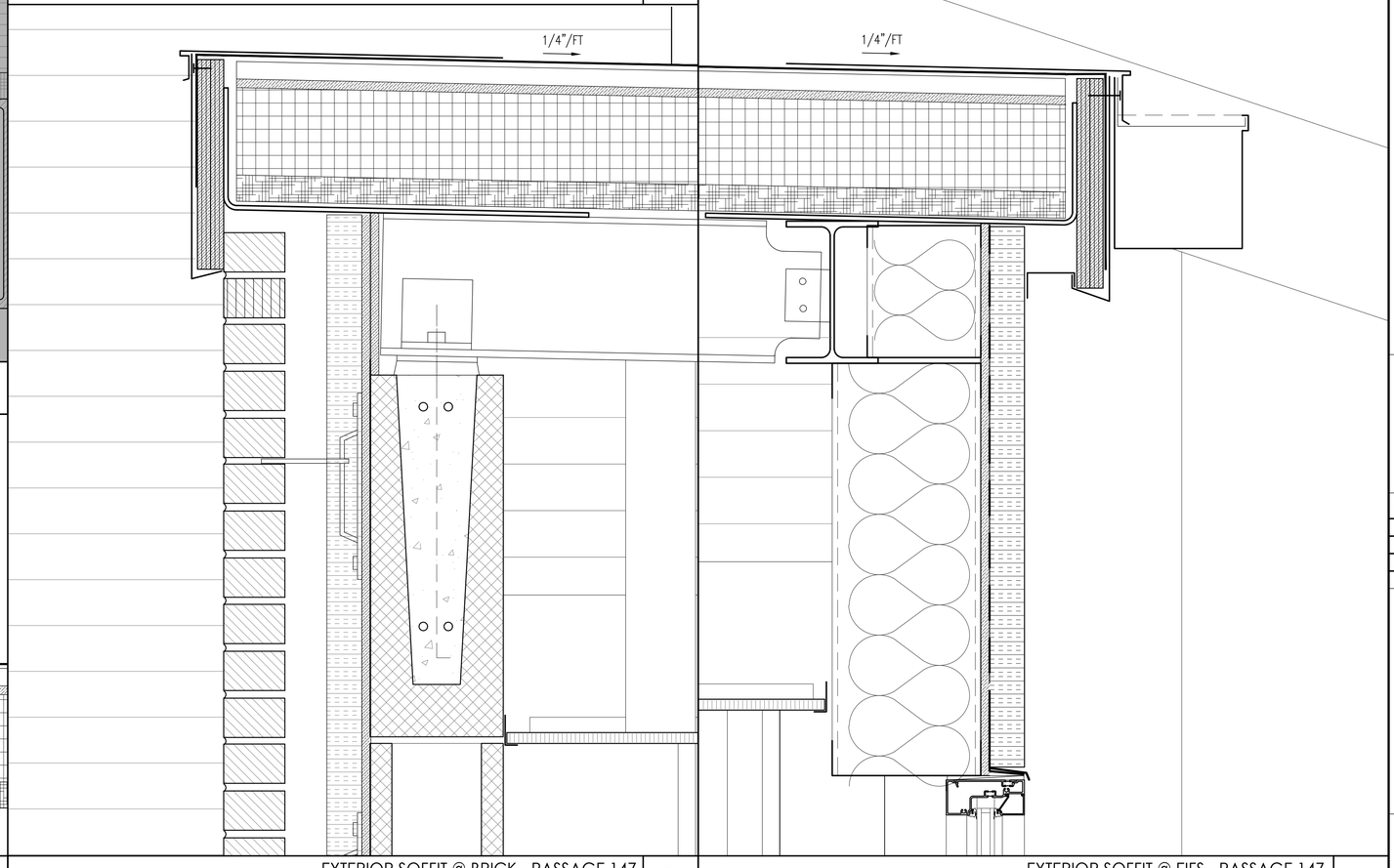
SLAB CONNECTION @ PASSAGE 147 - EAST WALL | 7



ROOF CONNECTION BETWEEN PASSAGE 147AND EXISTING WALL LOOKING SOUTH - PROPOSED | 4



EXPANSION JOINT @ PASSAGE 147 - EAST WALL | 3



EXTERIOR SOFFIT @ BRICK - PASSAGE 147 | 2

EXTERIOR SOFFIT @ EIFS - PASSAGE 147 | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 NORTH CAROLINA CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

SECTION DETAILS

0 1" 2" 4" 8" 1'

Scale: 3" = 1'-0" (U.O.N.)

BID AND CONSTRUCTION

A-8.13

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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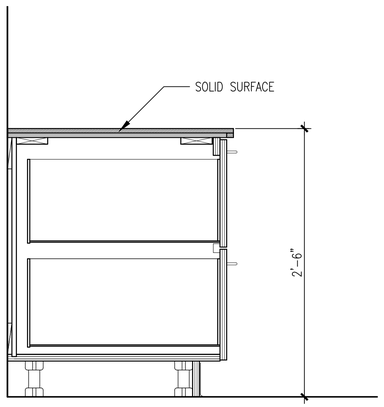
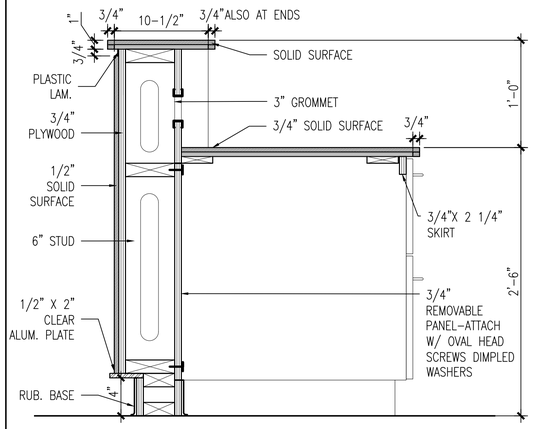


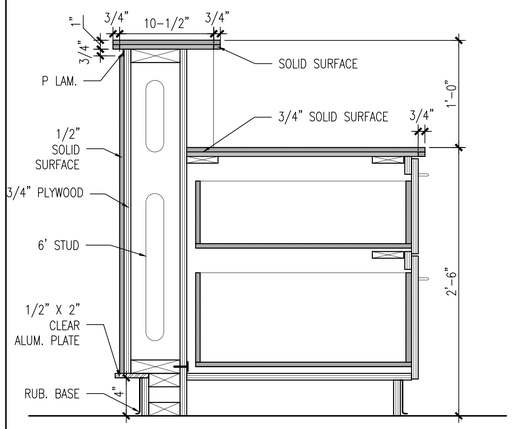
SEE 1/A-8.20 FOR TYP. NOTES

RECEPTION - WEST WALL | 8



SEE 1/A-8.20 FOR TYP. NOTES

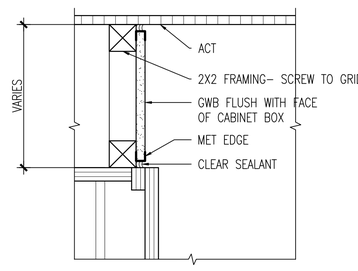
RECEPTION DESK - KNEE SPACE | 7



SEE 1/A-8.20 FOR TYP. NOTES

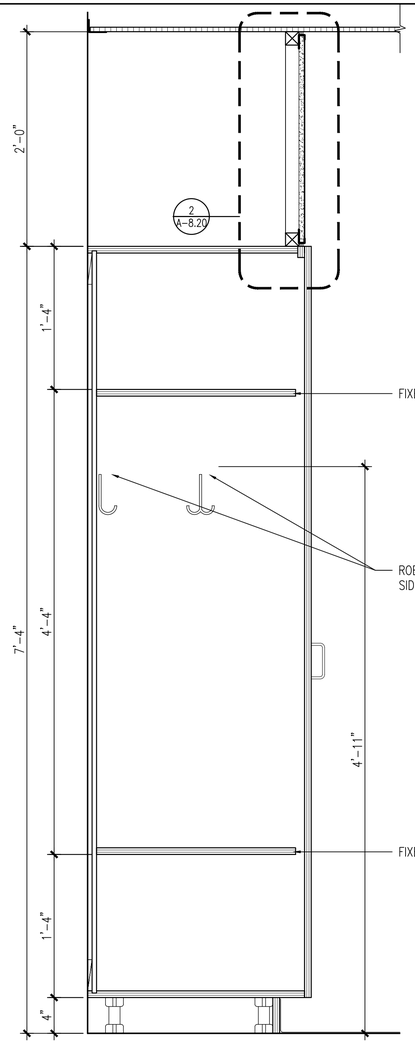
RECEPTION DESK - DRAWERS | 6

NOTE:
PROVIDE SOFFIT WHERE CLG IS 2'-0" OR LESS ABOVE CABINET.
NO SOFFIT WHERE CLG IS MORE THAN 2'-0" ABOVE CABINET.



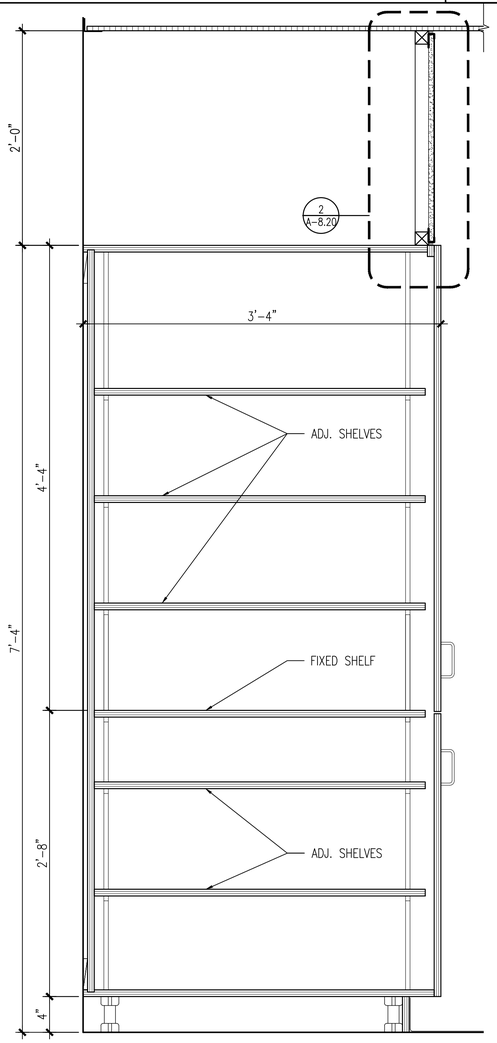
TYPICAL MILLWORK FASCIA CLOSURE
Scale: 3" = 1'-0"

2



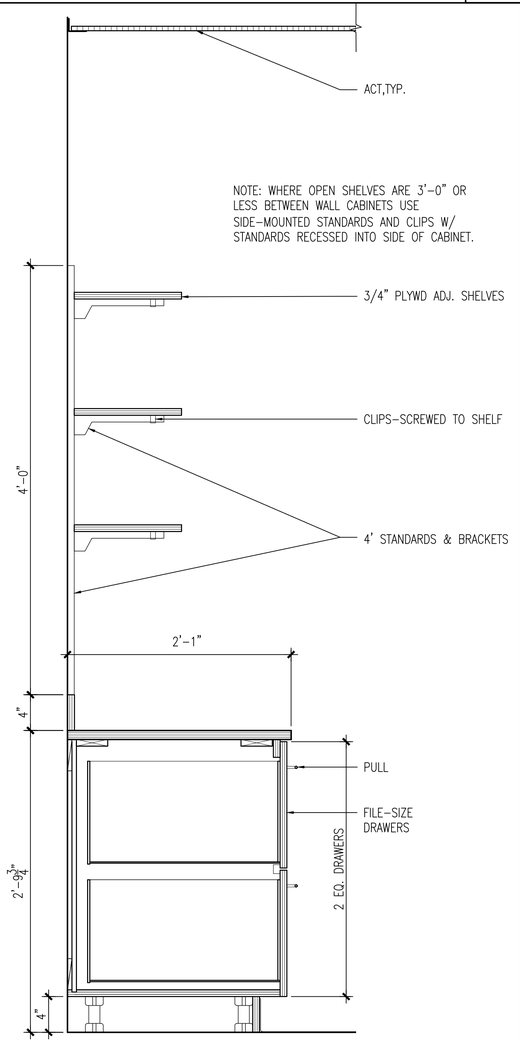
SEE 1/A-8.20 FOR TYP. NOTES

TYP. CLASSROOM ROBE HOOK CABINET | 5



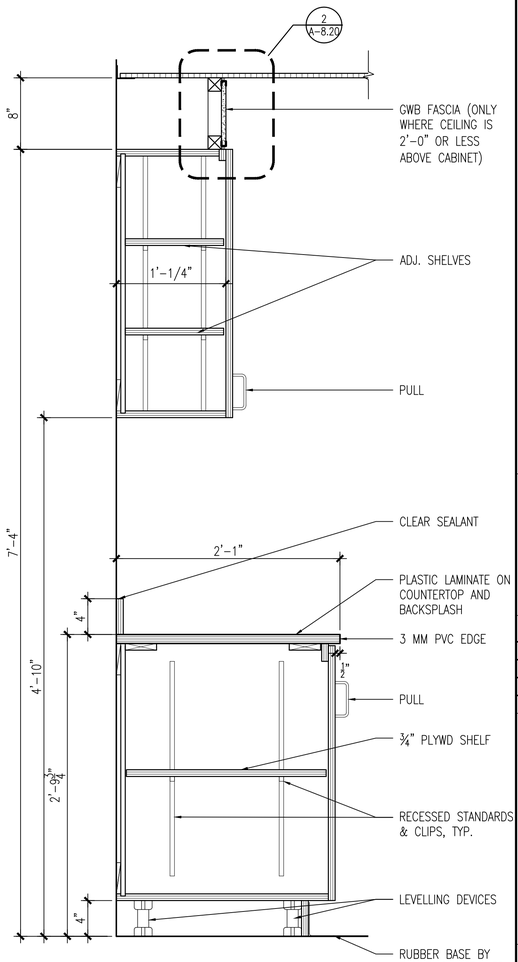
SEE 1/A-8.20 FOR TYP. NOTES

TYP. CLASSROOM DIVIDED CABINET | 4



SEE 1/A-8.20 FOR TYP. NOTES

TYP. OPEN SHELVING & DRAWER BASE UNIT | 3



TYP. WALL AND BASE UNIT | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. 51679 NORTH CAROLINA REGISTERED ARCHITECTURAL CORPORATION Chapel Hill, NC

DAVID H. CLINTON 3671 REGISTERED ARCHITECT CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

CASEWORK SECTIONS

Scale: 1 1/2" = 1'-0" U.O.N.

BID AND CONSTRUCTION

A-8.20

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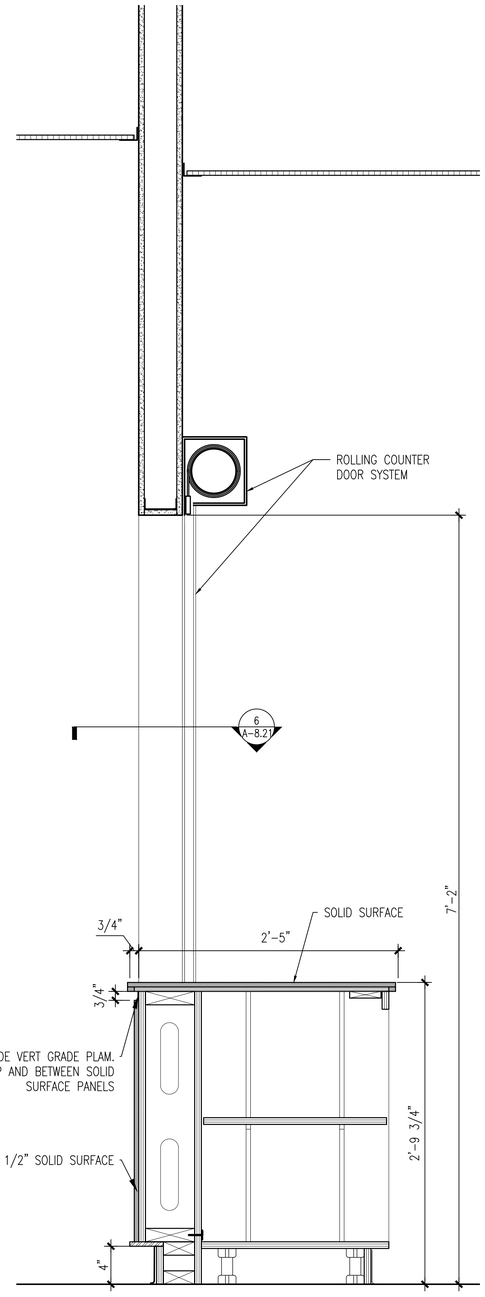
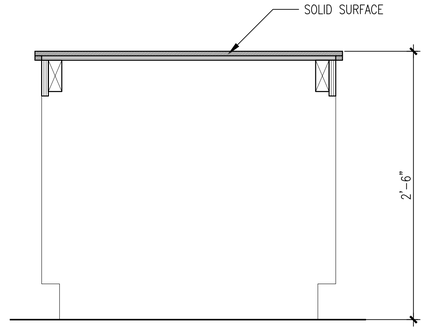
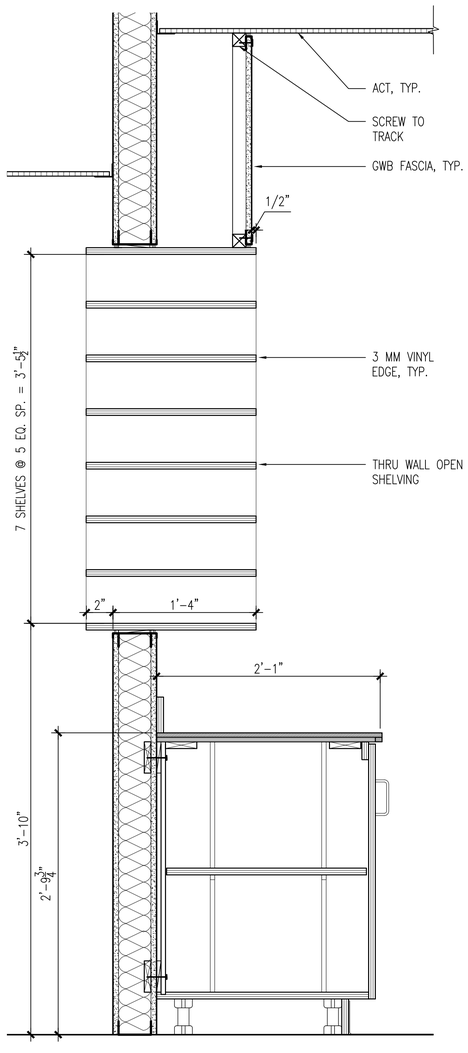


@CONCESSION | 4

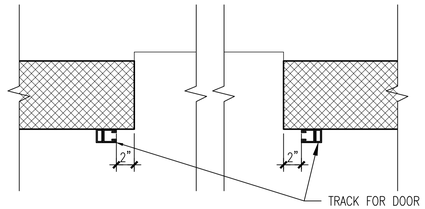


OPEN KNEE SPACE @ RECEPTION DESK | 7

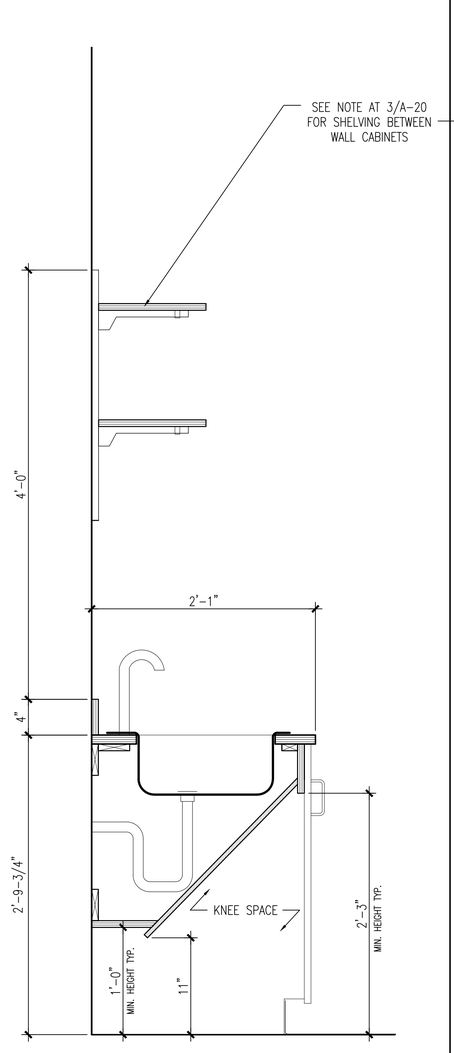


SEE 1/A-8.20 FOR TYP. NOTES

WORK 111 - MAILBOXES | 3

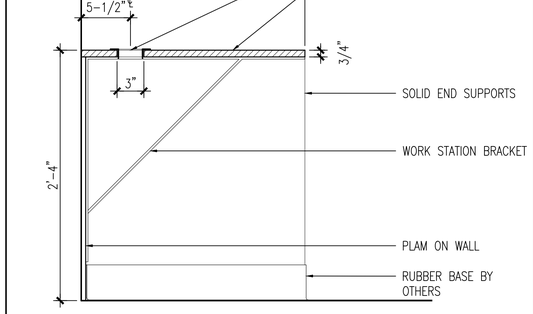


TRACK@ ROLLING COUNTER DOOR | 6

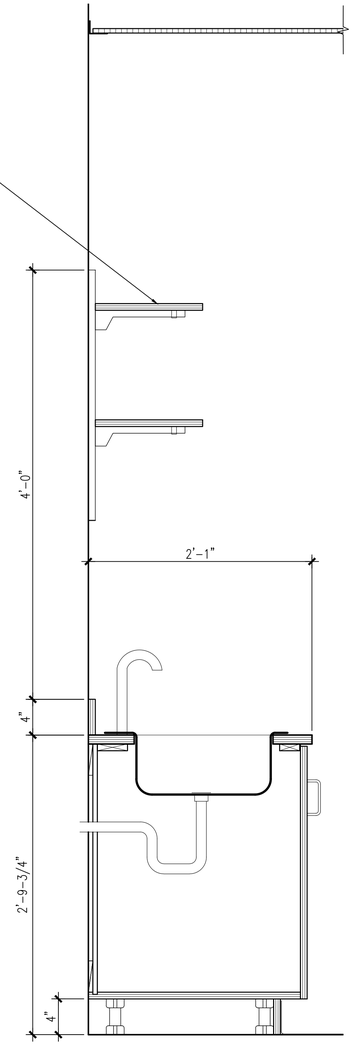


SEE 1/A-8.20 FOR TYP. NOTES

TYP. ACCESSIBLE SINK BASE UNIT WITH ADA APRON | 2



TYP. COMPUTER DESK | 5



SEE 1/A-8.20 FOR TYP. NOTES

SINK BASE UNIT | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

CASEWORK SECTIONS

0 3" 6" 1'

Scale: 1 1/2" = 1'-0" U.O.N.

BID AND CONSTRUCTION

A-8.21

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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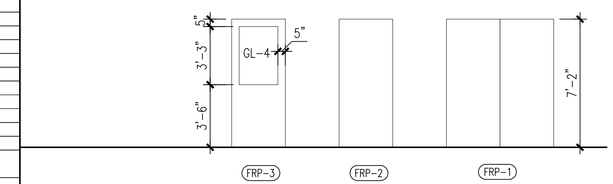
MARK ON PLANS	DOOR TYPE	FRAME TYPE	DOOR OPENING (WxH) SINGLE OPENING	HEAD DET.	JAMB DET.	HDW. SET	DOOR PLATE	UL LABEL	LOCK FUNCTION	NOTES ("TEXT" DENOTES DOOR PLATE, IF OPTHER THAN AS SPECIFIED)
005A	DW-2	FH-1				04	C			A-1.1 - COURT YARD FROM CORR.013
013A	DA-1	FA-24				48				
014A	DW-2	FH-1				04	C			
014B	DW-2	FH-1				04	C			
016A	DW-2	FH-1				04	C			
016B	DW-2	FH-1				04	C			
018	DA-2	FA-16				58				
018A	DW-2	FH-1				14				
018B	DW-2	FH-1				28	C			
019	DW-1	FH-1				36	A			TEXT: "CLASSROOM"
019A	DW-2	FH-1				04	C			
019B	FRP-2	FA-208				26				
019C	DA-1					46				
020	DW-1	FH-1				36	A			TEXT: "CLASSROOM"
020A	DW-2	FH-1				04	C			
020B	FRP-2	FA-19				26				NO CANOPY
020C	DA-1	FA-19				46				
021	DW-1	FH-1				36	A			TEXT: "CLASSROOM"
021A	DW-2	FH-1				04	C			
021B	DA-1	FA-19				46				
101A	DA-1	FA-2	3'-0" x 7'-2"			48				
101B	DA-1	FA-2	3'-0" x 7'-2"			33				
101C	DA-1	FA-3	3'-0" x 7'-2"			47				
101D	DA-1	FA-3	3'-0" x 7'-2"			32				
101E	DA-1	FA-4	3'-0" x 7'-2"			54	B			
102	DA-1	FA-6	3'-0" x 7'-2"			27	A			TEXT: "RESOURCE OFFICER"
103	DA-1	FA-5	3'-0" x 7'-2"			22	B			
104	DA-1	FA-7	3'-0" x 7'-2"			03	B			
105	DA-1	FA-8	3'-0" x 7'-2"			23	B			TEXT: "OFFICE"
105A	DW-1	FA-1	3'-0" x 7'-2"			10				
106	DW-1	FA-1	3'-0" x 7'-2"			07	A			TEXT: "ASSISTANT PRINCIPAL"
107	DW-1	FA-1	3'-0" x 7'-2"			09	B			
107A	DW-2	FA-1	3'-0" x 7'-2"			06	C			
108	DW-1	FA-1	3'-0" x 7'-2"			02	B			
108A	DW-2	FA-1	3'-0" x 7'-2"			13				
109	DW-1	FA-1	3'-0" x 7'-2"			07	A			TEXT: "SECRETARY"
110	DW-1	FA-1	3'-0" x 7'-2"			07	A			TEXT: "NC WISE"
111	DW-1	FA-1	3'-0" x 7'-2"			07	B			TEXT: "PRINCIPAL"
112	DW-1	FA-1	3'-0" x 7'-2"			07	A			TEXT: "ASSISTANT PRINCIPAL"
113	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "GUIDANCE"
114	DW-1	FH-1	3'-0" x 7'-2"			17	A			TEXT: "COUNSELOR"
115	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
116	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
117	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
118	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
119	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
120	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
121	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
122	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
123A	DA-1	FA-26 OPP. HAND	3'-0" x 7'-2"			48				
123B	DA-2	FA-26 OPP. HAND	3'-0" x 7'-2"			34				
123C	DA-2	FA-26 OPP. HAND	3'-0" x 7'-2"			34				
123D	DA-2	FA-26 OPP. HAND	3'-0" x 7'-2"			35				
123E	DH-1	FH-1	3'-0" x 7'-2"			35		1 HOUR		
123F	DH-1	FH-1	3'-0" x 7'-2"			48	B	1 HOUR		TEXT: "STAIR"
123G	DW-1	FA-26	3'-0" x 7'-2"			34				
123H	DW-1	FA-26	3'-0" x 7'-2"			34				
123I	DW-2	FA-26	3'-0" x 7'-2"			35				
123J	DW-2	FA-26	3'-0" x 7'-2"			35				
123K	DW-2	FH-1	3'-0" x 7'-2"			34	B	1 HOUR		TEXT: "STAIR"
123L	DW-2	FH-1	3'-0" x 7'-2"			34		1 HOUR		
124	DW-2	FH-1	3'-0" x 7'-2"			43	C			
125	DW-2	FH-1	3'-0" x 7'-2"			43	C			
126	DW-2	FH-1	3'-0" x 7'-2"			21	B			
126A	DW-2	FH-1	3'-0" x 7'-2"			20	C			
126B	DW-2	FH-1	3'-0" x 7'-2"			20	C			
127	DW-2	FH-1	3'-0" x 7'-2"			25	B			TEXT: "STORAGE"
128	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "COMPUTERS"
129	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
130	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "RESOURCE"
131	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
132	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
133	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
134	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
135A	DW-2	FH-1	3'-0" x 7'-2"			14	B	2 HOUR		TEXT: "DATA/ELECTRICAL"
135B	DW-3	FH-1	6'-0" x 7'-2"			19	B			TEXT: "MECHANICAL"
135 C	DA-1	FA-29	3'-0" x 7'-2"			49				
135D	DA-1	FA-20	3'-0" x 7'-2"			34				
135E	DA-1	FA-20	3'-0" x 7'-2"			48				
136	DW-1	FA-10	3'-0" x 7'-2"			53	B			TEXT: "MEDIA RESOURCES"
136A	DW-1	FH-1	3'-0" x 7'-2"			25	B			TEXT: "ELECTRICAL/DATA"
136 B	DA-1	FA-29 OPP. HAND	3'-0" x 7'-2"			50	B			

MARK ON PLANS	DOOR TYPE	FRAME TYPE	DOOR OPENING (WxH) SINGLE OPENING	HEAD DET.	JAMB DET.	HDW. SET	DOOR PLATE	UL LABEL	LOCK FUNCTION	NOTES
137	DA-1	FA-12	3'-0" x 7'-2"			09	B			TEXT: "CONFERENCE"
138	DA-1	FA-12	3'-0" x 7'-2"			09	B			
138A	DA-1	FA-1	3'-0" x 7'-2"			12				
139	DA-1	FA-23	3'-0" x 7'-2"			08	A			TEXT: "OFFICE"
140	DW-1	FA-1	3'-0" x 7'-2"			09	B			TEXT: "VIDEO PRODUCTION"
140A	DW-2	FA-1	3'-0" x 7'-2"			13				
140B	DW-2	FA-1	3'-0" x 7'-2"			10				
141	DW-3A	FH-1	6'-0" x 7'-2"			39	A			
141A	DW-3	FH-1	6'-0" x 7'-2"			29		2 HOUR		
141B	DA-1	FA-13	3'-0" x 7'-2"			46				
142	DW-2	FH-1	3'-0" x 7'-2"			24	B			TEXT: "DATA"
143	DW-2	FH-1	3'-0" x 7'-2"			28	C			
144	DW-2	FH-1	3'-0" x 7'-2"			28	C			
145	DW-3A	FH-1	6'-0" x 7'-2"			41	A			
145A	DA-1	FA-19	3'-0" x 7'-2"			46				
146A	DW-1	FH-1	3'-0" x 7'-2"			57		1 HOUR		
146B	DW-1	FH-1	3'-0" x 7'-2"			56		1 HOUR		
147A	DA-1	FA-92	3'-0" x 7'-2"			48				
147B	DA-1	FA-92	3'-0" x 7'-2"			34				
148A	DA-1	FA-21	6'-0" x 7'-2"			48				
148B	DA-1	FA-21	6'-0" x 7'-2"			52				
149	DW-2	FH-1	3'-0" x 7'-2"			43	C			
150	DW-2	FH-1	3'-0" x 7'-2"			43	C			
151	DW-2	FH-1	3'-0" x 7'-2"			12	B			TEXT: "CUSTODIAN"
152A	DA-2	FA-15	6'-0" x 7'-2"			40	B			BACK PLATE ON GLASS FOR SIGN
152B	DA-1	FA-22	3'-0" x 7'-2"			51				
152C	DA-2	FA-22	3'-0" x 7'-2"			50	B			BACK PLATE ON GLASS FOR SIGN
152D	DW-3	FA-1	6'-0" x 7'-2"			19	B			TEXT: "STORAGE"
152E	DW-3	FA-1	6'-0" x 7'-2"			19				
153A	DW-2	FA-1	3'-0" x 7'-2"			11				
153B	DW-1	FA-47	3'-0" x 7'-2"			45	B			
153C	DW-1	FA-47	3'-0" x 7'-2"			45	B			
154	FRP-3	FA-91	3'-0" x 7'-2"			55				
154B	DW-2	FA-1	3'-0" x 7'-2"			20	C			
155	DW-1	FA-1	3'-0" x 7'-2"			07	A			TEXT: "MANAGER"
156	FRP-1	FA-203	6'-0" x 7'-2"			30				
156 A	FRP-2	FA-1	3'-0" x 7'-2"			26				
157	DW-2	FA-1	3'-0" x 7'-2"			37	B	1 HOUR		TEXT: "MECHANICAL"
158A	DW-3A	FA-1	6'-0" x 7'-2"			39	B			
158B	FRP-1	FA-16	6'-0" x 7'-2"			38				
158C	FRP-1	FA-16	6'-0" x 7'-2"			38				
158D	DW-3	FA-1	6'-0" x 7'-2"			19				
158E	DW-3	FA-1	6'-0" x 7'-2"			19				
158F	FRP-1	FA-16	6'-0" x 7'-2"			42				
158G	FRP-2	FA-17	3'-0" x 3'-0"			31				
160	DW-2	FA-1	3'-0" x 3'-0"			44	B			TEXT; "BOYS LOCKERS"
160A	DW-2	FA-1	3'-0" x 7'-2"			43				
161	DW-2	FA-1	3'-0" x 7'-2"			05	C			
162	DW-2	FA-1	3'-0" x 7'-2"			44	B			TEXT: "GIRLS LOCKERS"
162A	DW-2	FA-1	3'-0" x 7'-2"			03				
163	DW-2	FA-1	3'-0" x 7'-2"			05	C			
164	DW-3	FA-1	6'-0" x 7'-2"			19	B			TEXT: "LAUNDRY/STORAGE"
165	DW-2	FA-18	3'-0" x 7'-2"			16	A			TEXT: "PHYSICAL EDUCATION"
166	DW-2	FA-1	3'-0" x 7'-2"			27	B			
166A			12'-8" x 4'-4"			01				ROLLING COUNTER DOOR
201A	DW-1	FH-1	3'-0" x 7'-2"			35	B	1 HOUR		TEXT: "STAIR"
201B	DW-1	FH-1	3'-0" x 7'-2"			35		1 HOUR		
201C	DW-1	FH-1	3'-0" x 7'-2"			35	B	1 HOUR		TEXT: "STAIR"
201D	DW-1	FH-1	3'-0" x 7'-2"			35		1 HOUR		
202	DW-2	FH-1	3'-0" x 7'-2"			18	B			TEXT: "MECHANICAL"
203	DW-2	FH-1	3'-0" x 7'-2"			20	C			
204	DW-1	FH-1	3'-0" x 7'-2"			15	B			
205	DW-2	FH-1	3'-0" x 7'-2"			14	B			TEXT: "CUSTODIAN"
206	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
207	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
208	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
209	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
210	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
211	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
212	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "CLASSROOM"
213	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "MAKER SPACE"
214	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "SCIENCE PREP"
215	DW-2	FH-1	3'-0" x 7'-2"			43	C			
216	DW-2	FH-1	3'-0" x 7'-2"			43	C			
217	DW-2	FH-1	3'-0" x 7'-2"			28	C			
218	DW-2	FH-1	3'-0" x 7'-2"			18	B			TEXT: "MECHANICAL"
219	DW-1	FH-1	3'-0" x 7'-2"			15	A			TEXT: "STEM"
220A	DW-1	FH-1	3'-0" x 7'-2"			17	A			TEXT: "CAREERS"
220B	DW-1	FH-1	3'-0" x 7'-2"			17	A			TEXT: "CAREERS"
221	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "SCIENCES"
222	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
223	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
224	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "SCIENCES"
225	DW-1	FH-1	3'-0" x 7'-2"			17	A			TEXT: "CAREERS"
226	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"
227	DW-1	FH-1	3'-0" x 7'-2"			16	A			TEXT: "CLASSROOM"

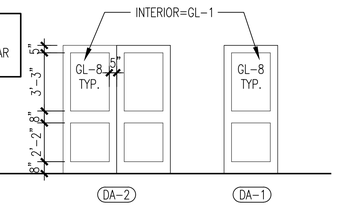
DOOR AND FRAME SCHEDULE | 2

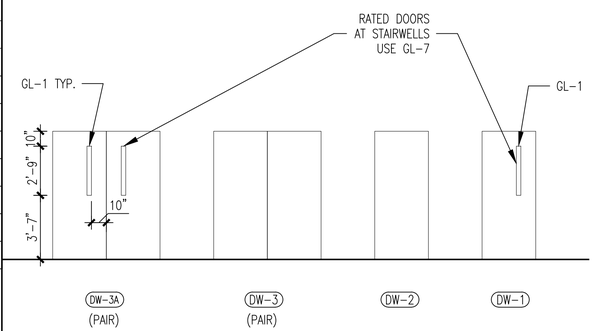
DOOR TYPES	
DA-1	SINGLE GLAZED, ALUM.
DA-2	TWO DOOR GLAZED, ALUM.
DW-1	SINGLE DOOR UNIT – CLEAR FINISH WOOD, VISION PANEL
DW-2	SINGLE DOOR UNIT – CLEAR FINISH WOOD
DW-3	DOUBLE DOOR UNIT – CLEAR FINISH WOOD
DW-4	DOUBLE DOOR UNIT – CLEAR FINISH WOOD, VISION PANEL
FRP-1	DOUBLE DOOR UNIT – FIBER-REINFORCED POLYESTER
FRP-2	SINGE DOOR UNIT – FIBER-REINFORCED POLYESTER
FRP-3	SINGLE DOOR UNIT – FIBER-REINFORCED POLYESTER – HALF GLASS

GLASS SCHEDULE (ALL GLASS IS TEMPERED)	
TYPE	DESCRIPTION
GL-1	CLEAR FULLY TEMPERED FLOAT GLASS – INTERIOR ONLY
GL-4	LOW-E COATED, CLEAR INSULATING GLASS
GL-5	SPANDREL INSULATING GLASS
GL-6	HONEYCOMB INSULATED GLAZING UNITS "IGU" PER ALT. G-4
GL-7	20-MINUTE FIRE-RATED GLAZING (1 HOUR-RATED OPENING)
GL-8	3/4" INSULATED TEMPERED GLASS



NOTE:
MOUNT PANIC BARS 3'-2" FFE TOP OF BAR





DOOR TYPES | 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — Registered Architect — 3671 — North Carolina — Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

DOOR/FRAME SCHEDULES

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

0 1' 2' 4' 8' 12'

BID AND CONSTRUCTION

A-9.1

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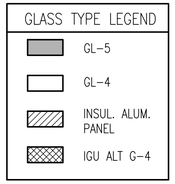
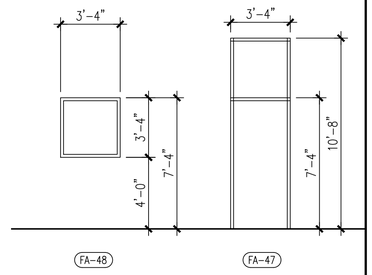
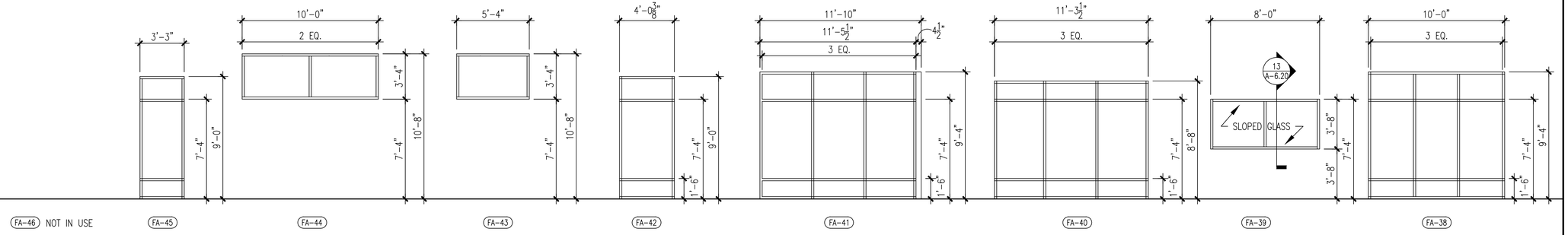
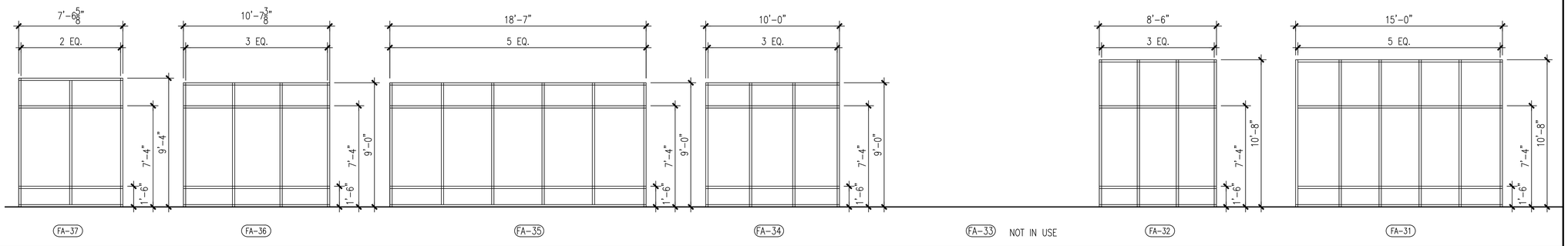
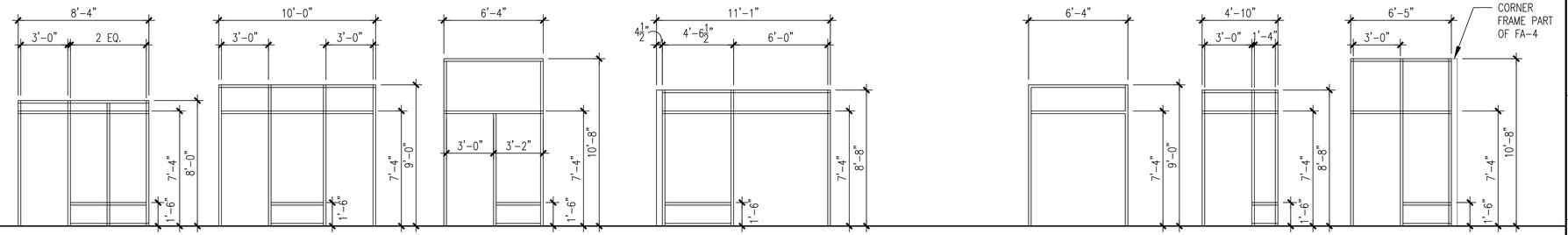


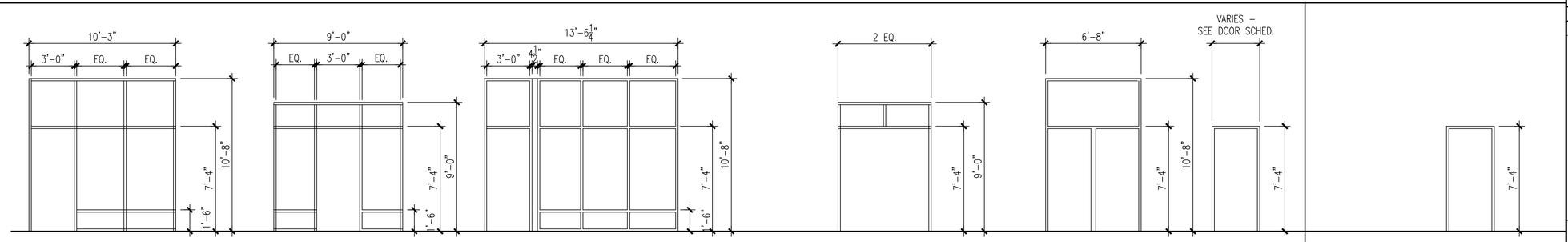






FRAME TYPES - INTERIOR FRAMES - NO DOOR 3





FRAME TYPES - INTERIOR FRAMES - WITH DOOR 2

FRAME TYPES - HOLLOW METAL 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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DAVID H. CLINTON 3671 Registered Architect CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

DOOR/FRAME SCHEDULES

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

0 1' 2' 4' 8' 12'

BID AND CONSTRUCTION

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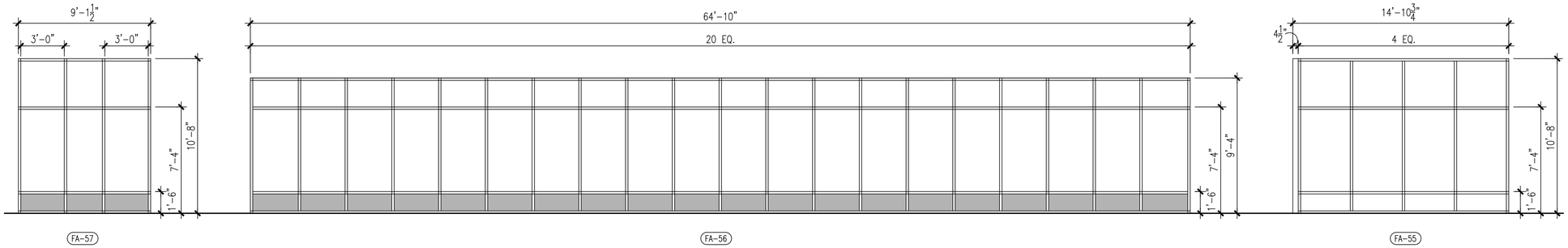
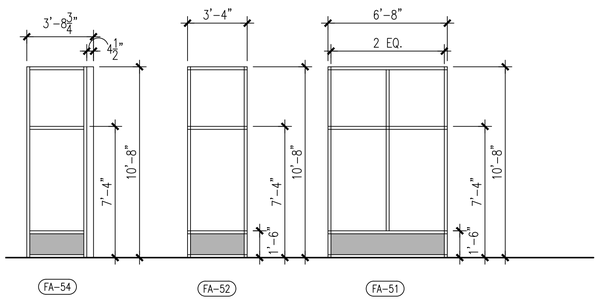
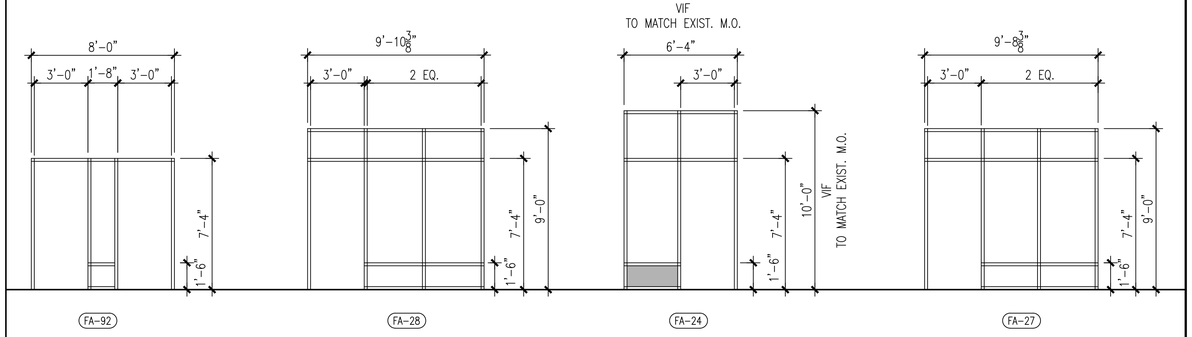
GLASS TYPE LEGEND

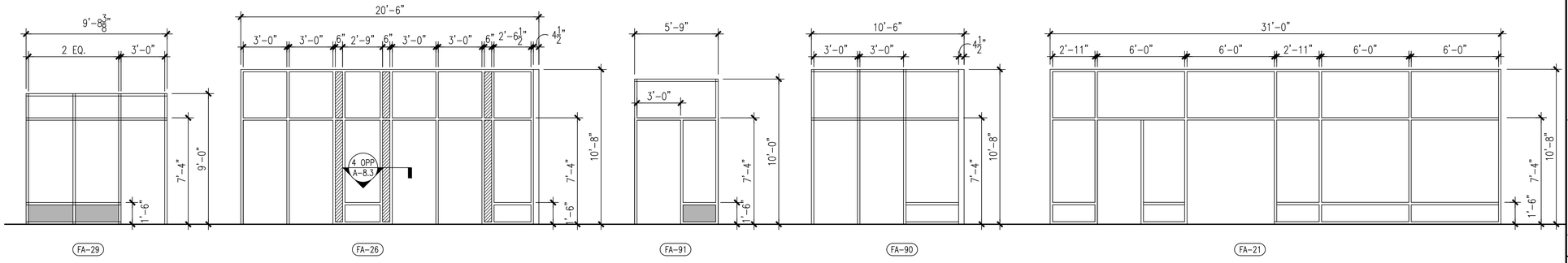
- GL-5
- GL-4
- INSUL. ALUM. PANEL
- IGU ALT G-4

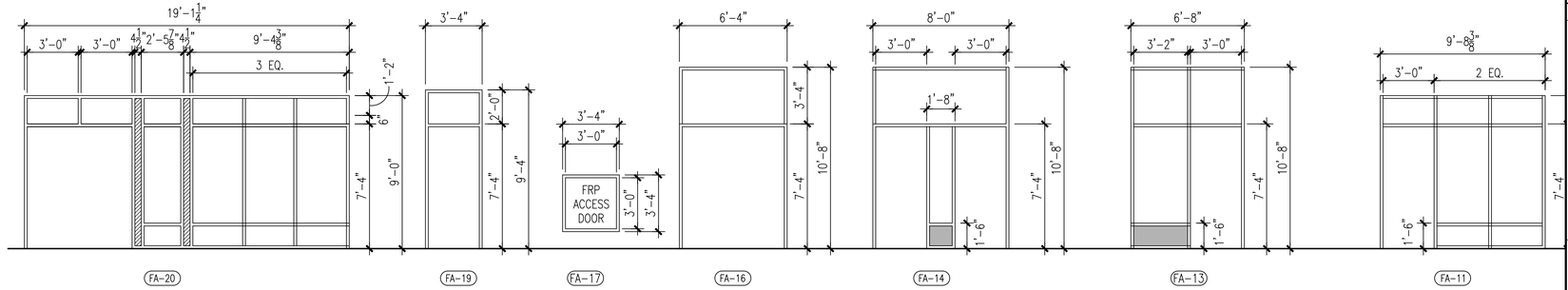






FRAME TYPES - EXTERIOR FRAMES - NO DOOR 2





FRAME TYPES - EXTERIOR FRAMES - WITH DOOR 1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

DOOR/FRAME SCHEDULES

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

0 1' 2' 4' 8' 12'

BID AND CONSTRUCTION

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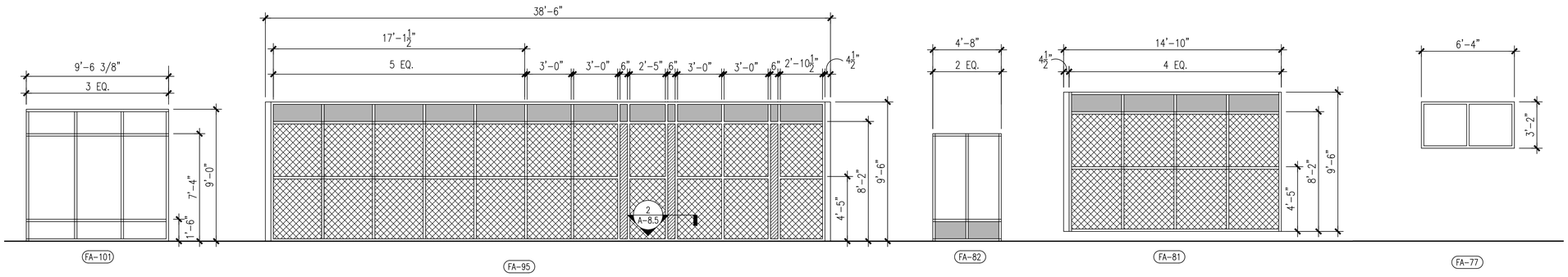
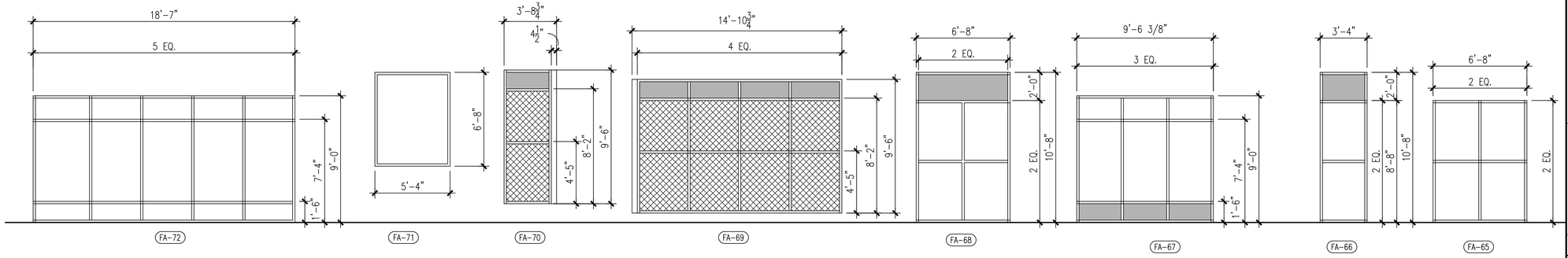
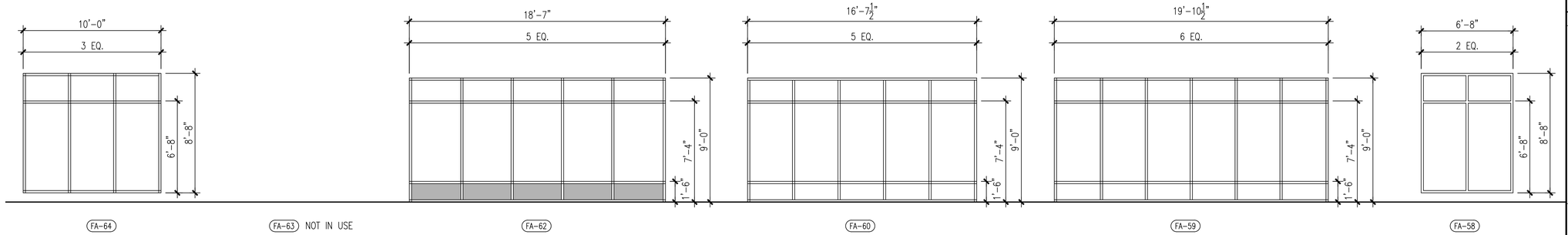
GLASS TYPE LEGEND	
	GL-5
	GL-4
	INSUL. ALUM. PANEL
	IGU ALT G-4







SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — North Carolina — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — NORTH CAROLINA — CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

DOOR/FRAME SCHEDULES

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

0 1' 2' 4' 8' 12'

BID AND CONSTRUCTION

A-9.4

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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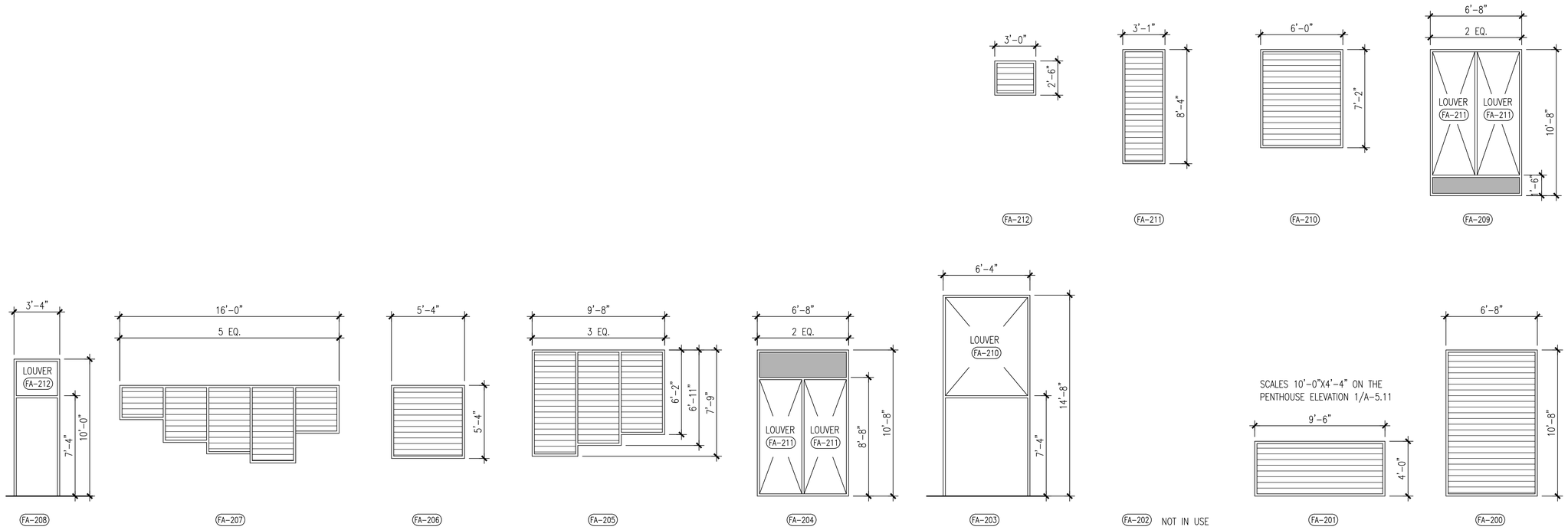
FRAME TYPES - EXTERIOR FRAMES - NO DOOR

GLASS TYPE LEGEND	
	GL-5
	GL-4
	INSUL. ALUM. PANEL
	IGU ALT G-4



LOUVER FRAMES

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

DOOR/FRAME SCHEDULES

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

0 1' 2' 4' 8' 12'

BID AND CONSTRUCTION

A-9.5

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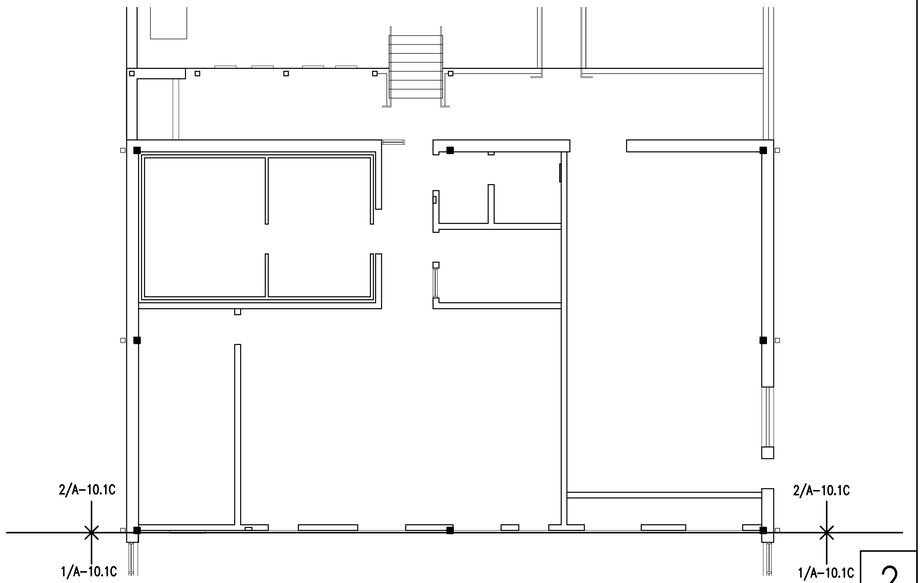

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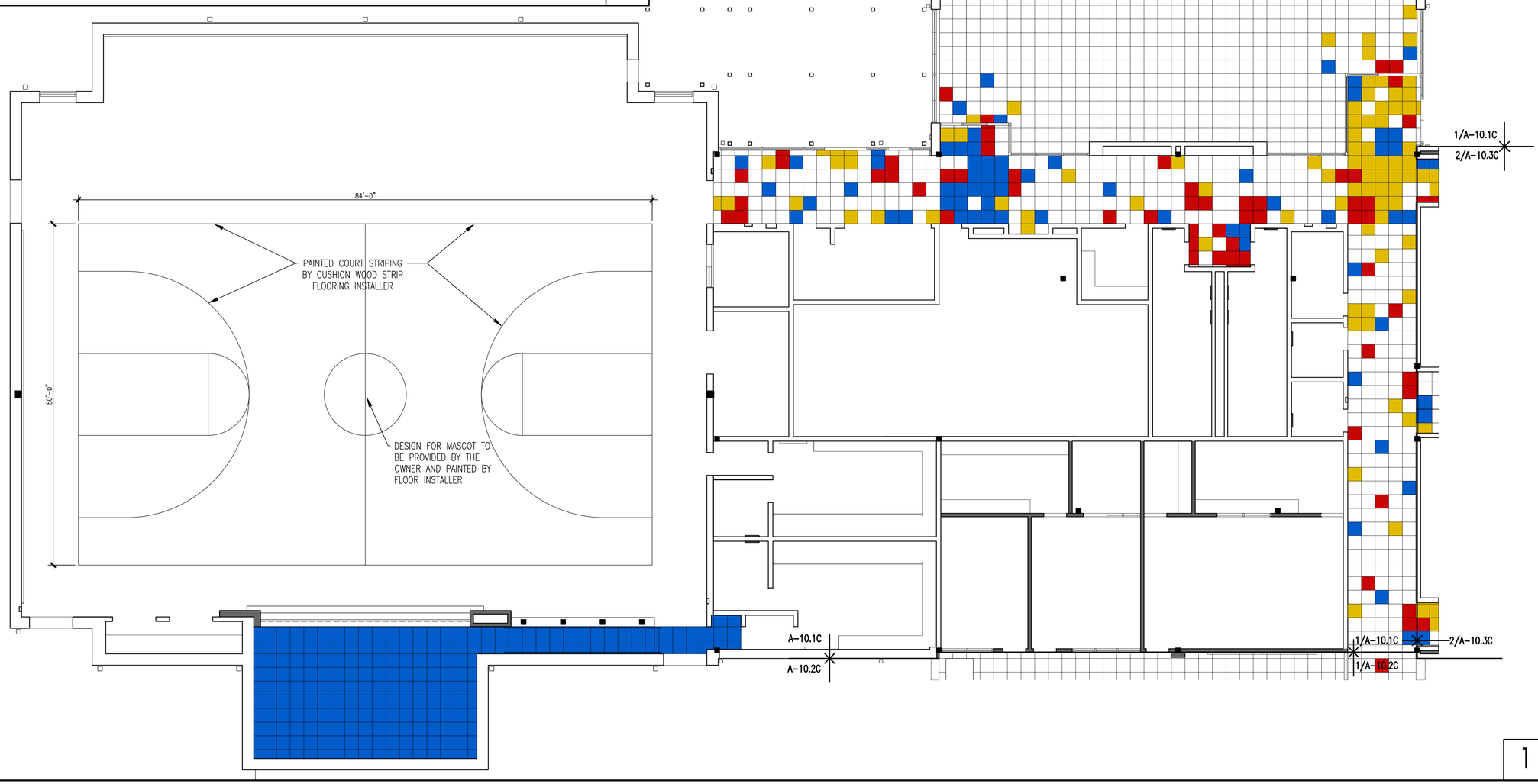
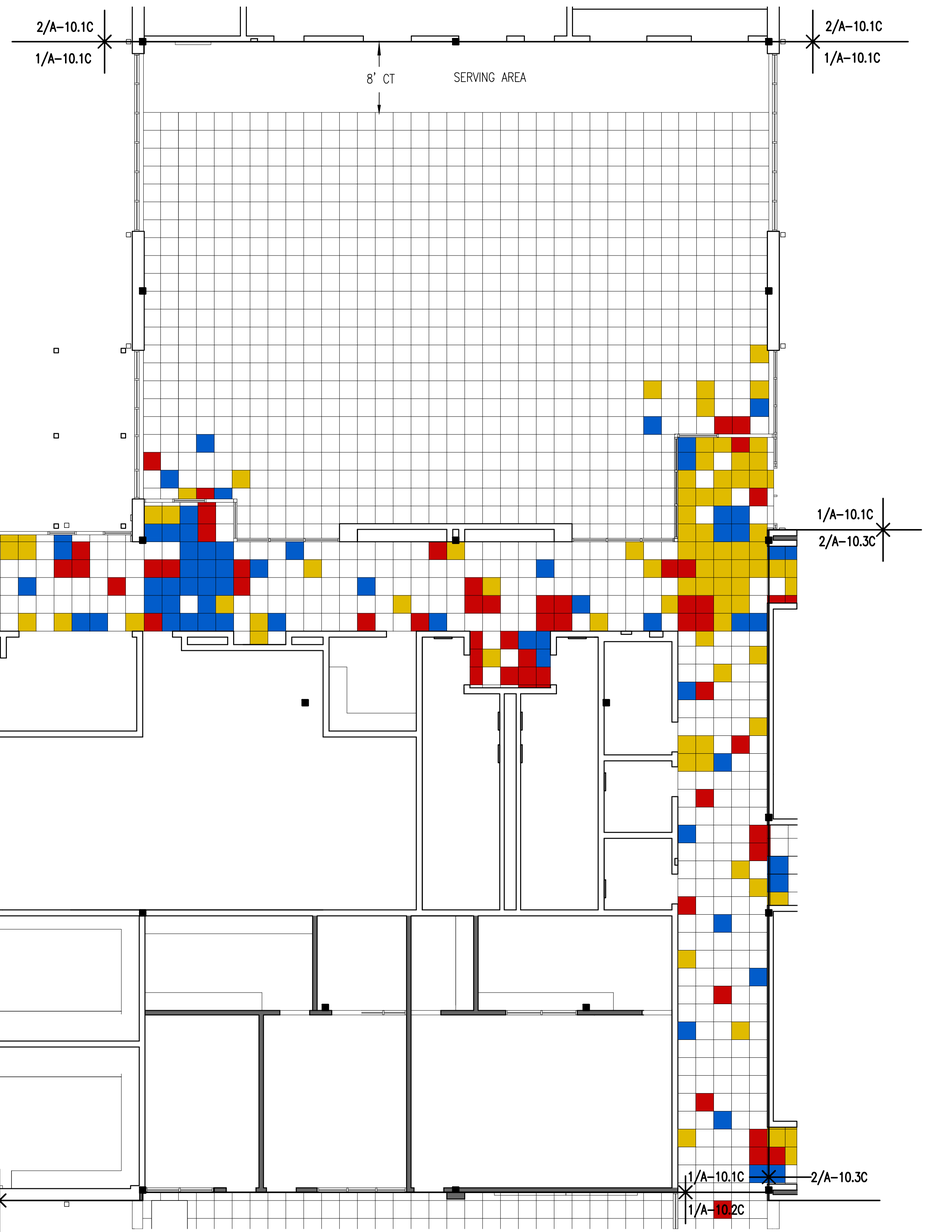




1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

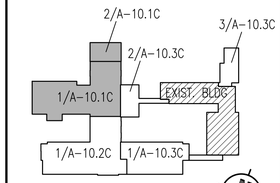
= BLUE VINYL TILE

= RED VINYL TILE

= YELLOW VINYL TILE

= BLACK VINYL TILE

= WHITE VINYL TILE



FIRST FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA REGISTERED ARCHITECTURE Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

COLORED FLOOR PATTERN DESIGNATION PLANS

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-10.1C

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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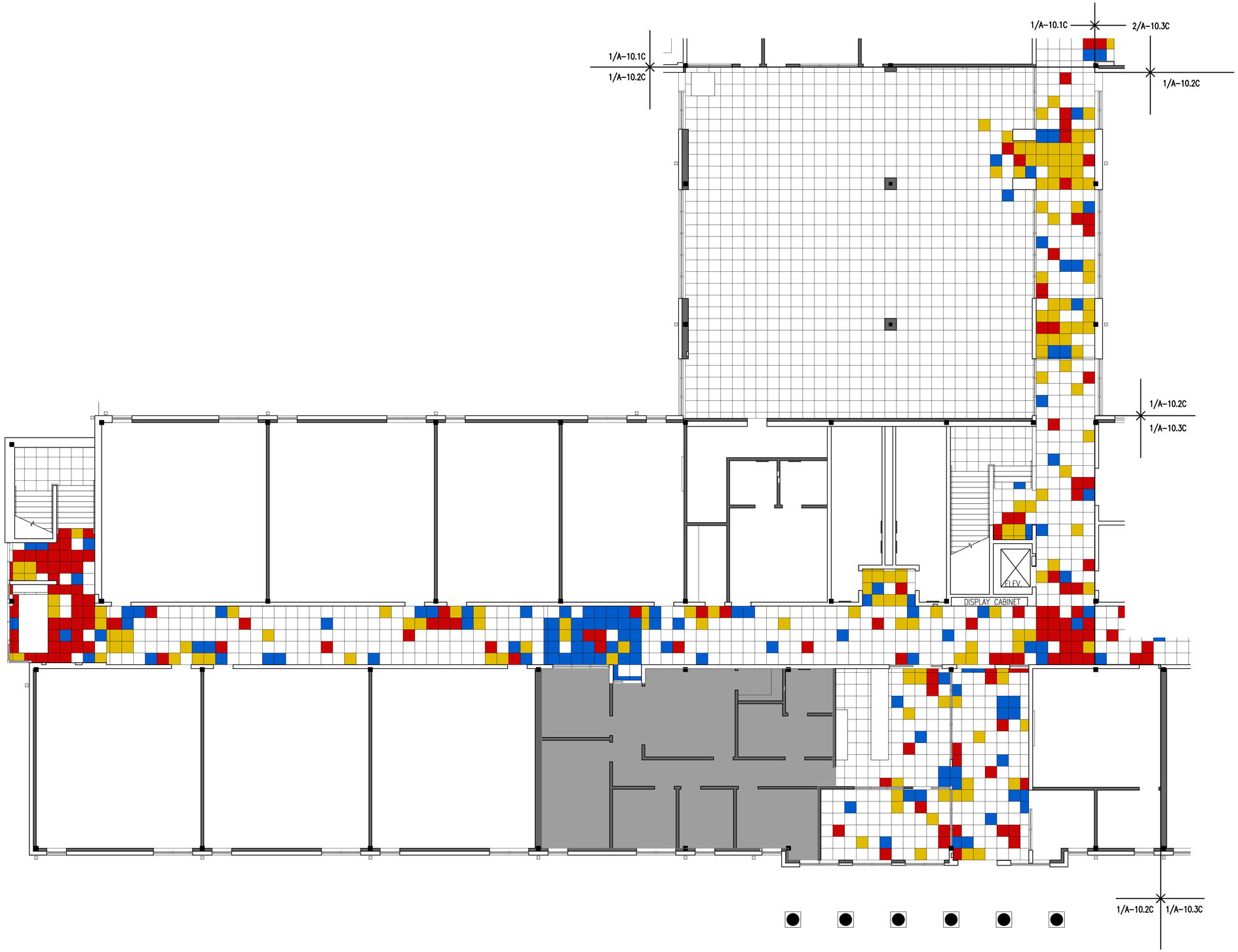


SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

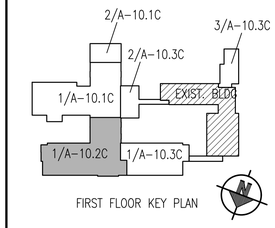
= BLUE VINYL TILE

= RED VINYL TILE

= YELLOW VINYL TILE

= BLACK VINYL TILE

= WHITE VINYL TILE



FIRST FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Licensed Architecture 51679 Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

COLORED FLOOR PATTERN DESIGNATION PLANS

0 2 4 8 16

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

BID AND CONSTRUCTION

A-10.2C

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part theref shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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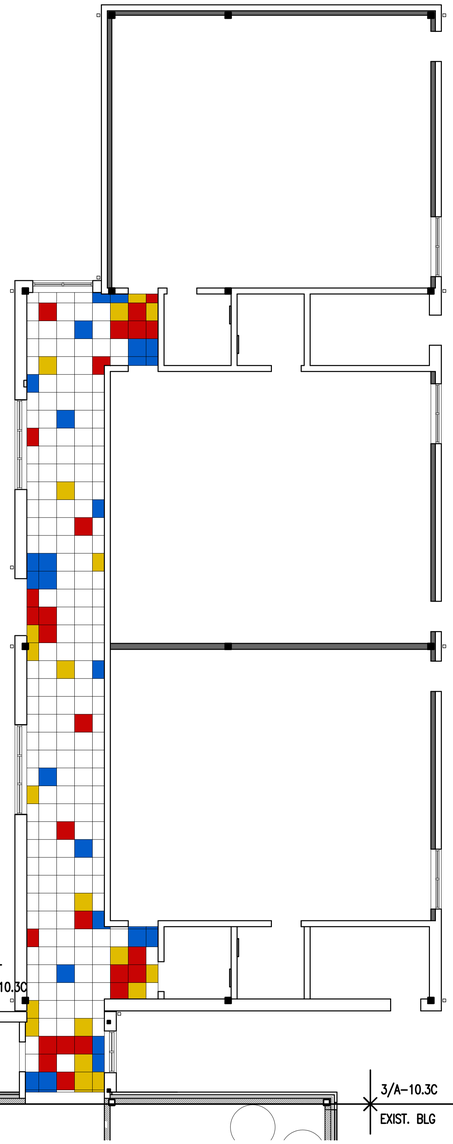

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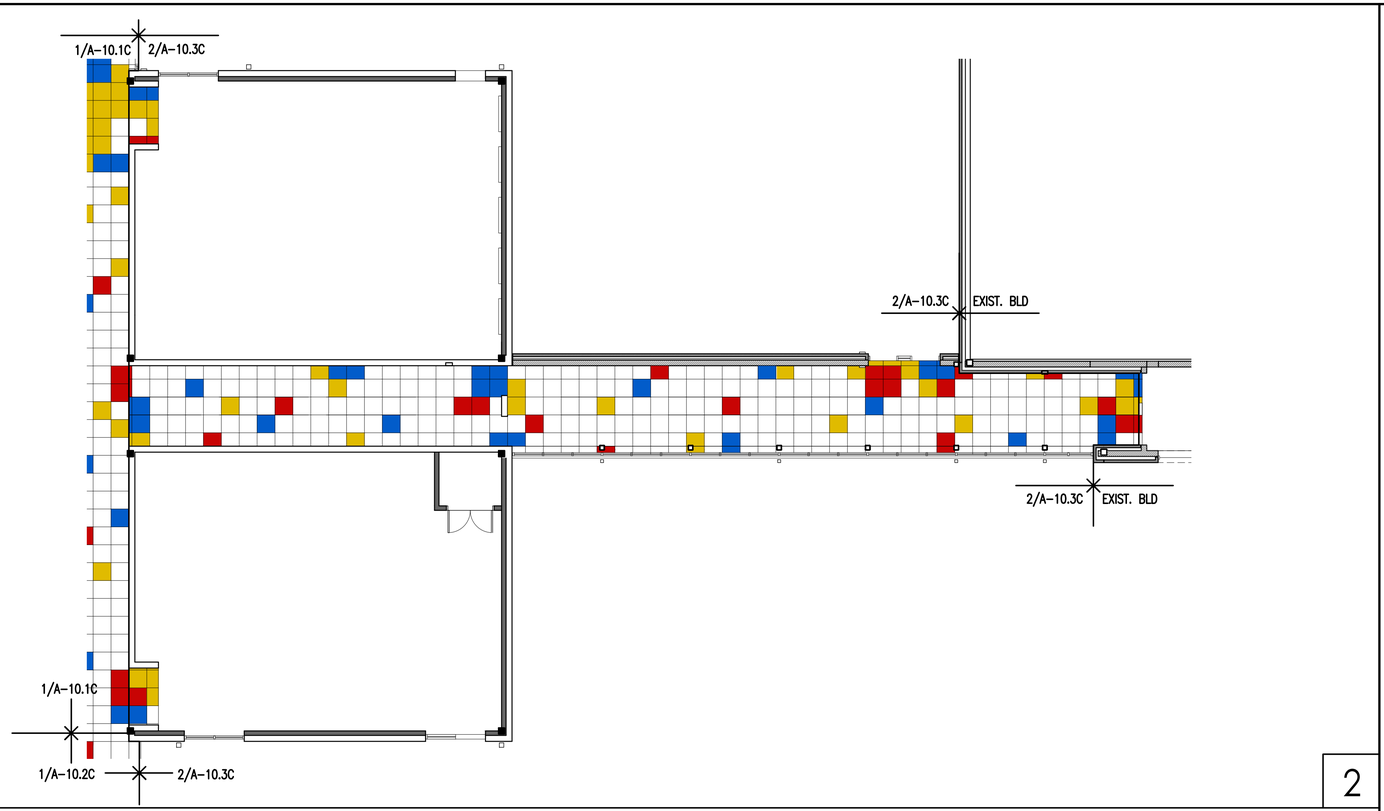

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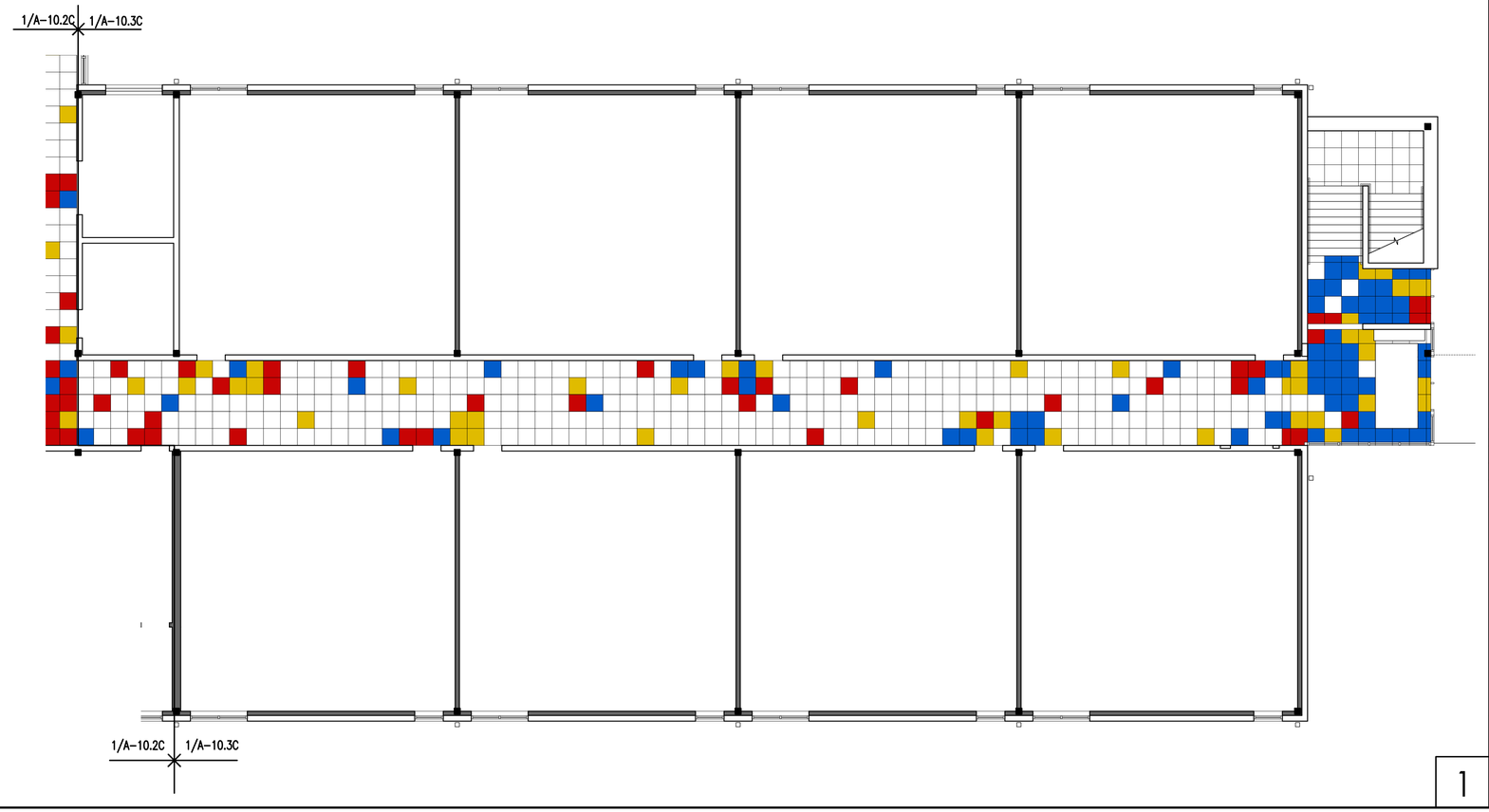


1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

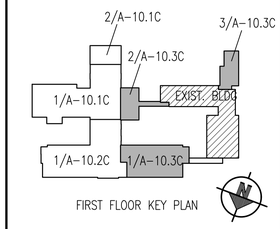
= BLUE VINYL TILE

= RED VINYL TILE

= YELLOW VINYL TILE

= BLACK VINYL TILE

= WHITE VINYL TILE



FIRST FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. and Related Professions, 51679, North Carolina, Chapel Hill, NC

David H. Clinton, Registered Architect, 3671, North Carolina, Chapel Hill, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

COLORED FLOOR PATTERN DESIGNATION PLANS

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-10.3C

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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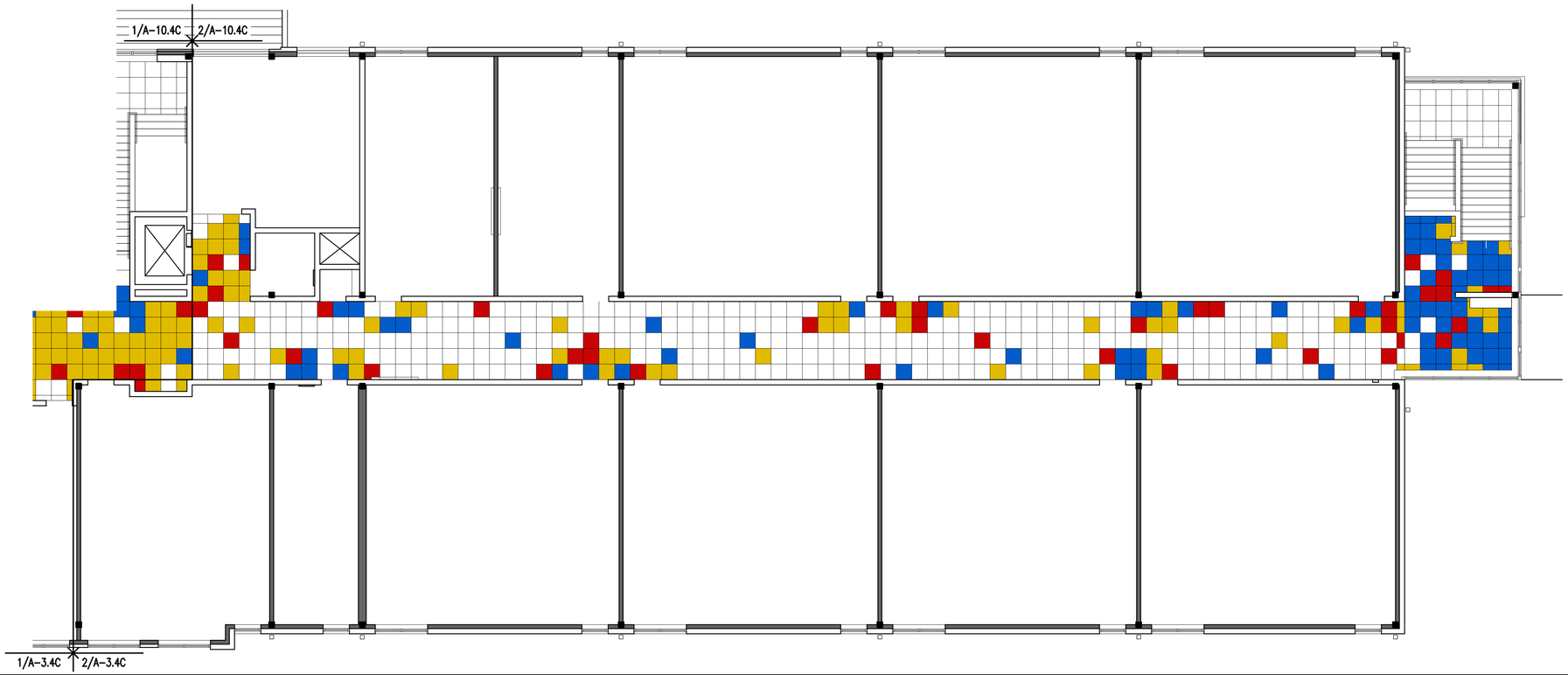

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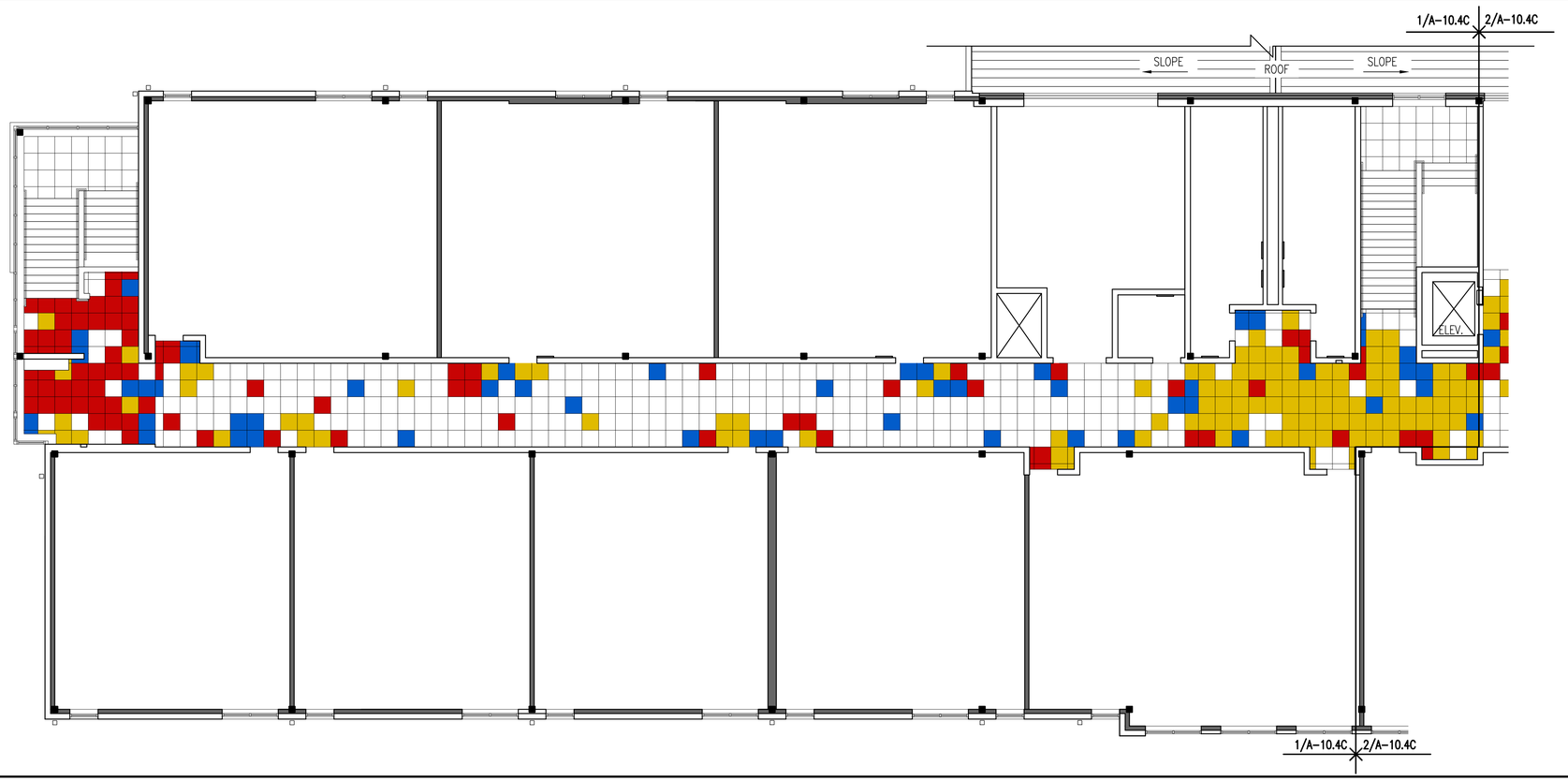

1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

= BLUE VINYL TILE

= RED VINYL TILE

= YELLOW VINYL TILE

= BLACK VINYL TILE

= WHITE VINYL TILE

1/A-10.4C | 2/A-10.4C

SECOND FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated 51679 NORTH CAROLINA REGISTERED ARCHITECTURAL CORPORATION Chapel Hill, NC

DAVID H. CLINTON REGISTERED ARCHITECT 3671 NORTH CAROLINA CHAPEL HILL

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

COLORED FLOOR PATTERN DESIGNATION PLANS

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-10.4C

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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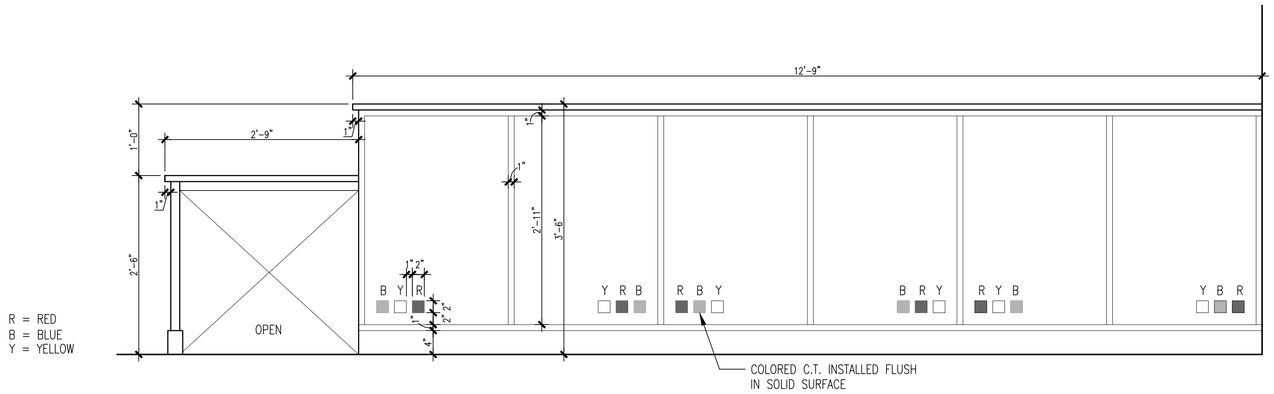
SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



R = RED
B = BLUE
Y = YELLOW

RECEPTION 103 FRONT COUNTER
Scale: 1" = 1'-0"

0 3" 6" 12" 24"

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Incorporated — 51679 — NORTH CAROLINA REGISTERED ARCHITECTURAL CORPORATION — Chapel Hill, NC

DAVID H. CLINTON — 3671 — REGISTERED ARCHITECT — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

CASEWORK PATTERN DESIGNATION ELEVATION

BID AND CONSTRUCTION

A-10.5

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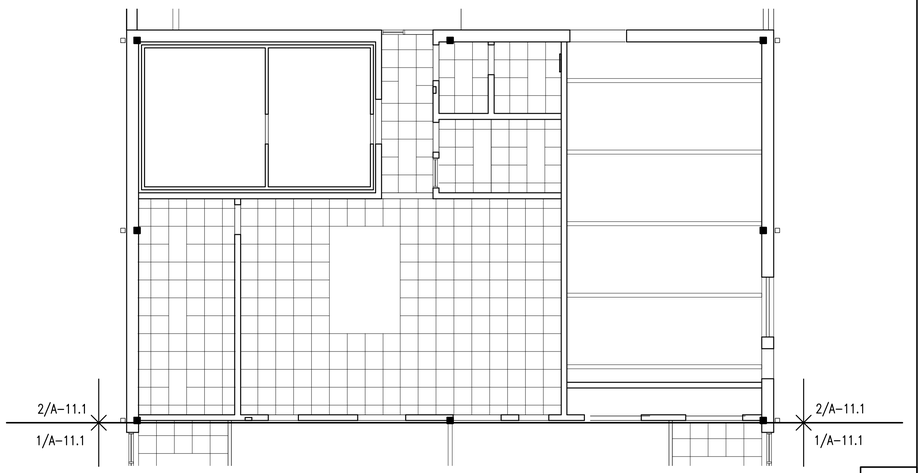
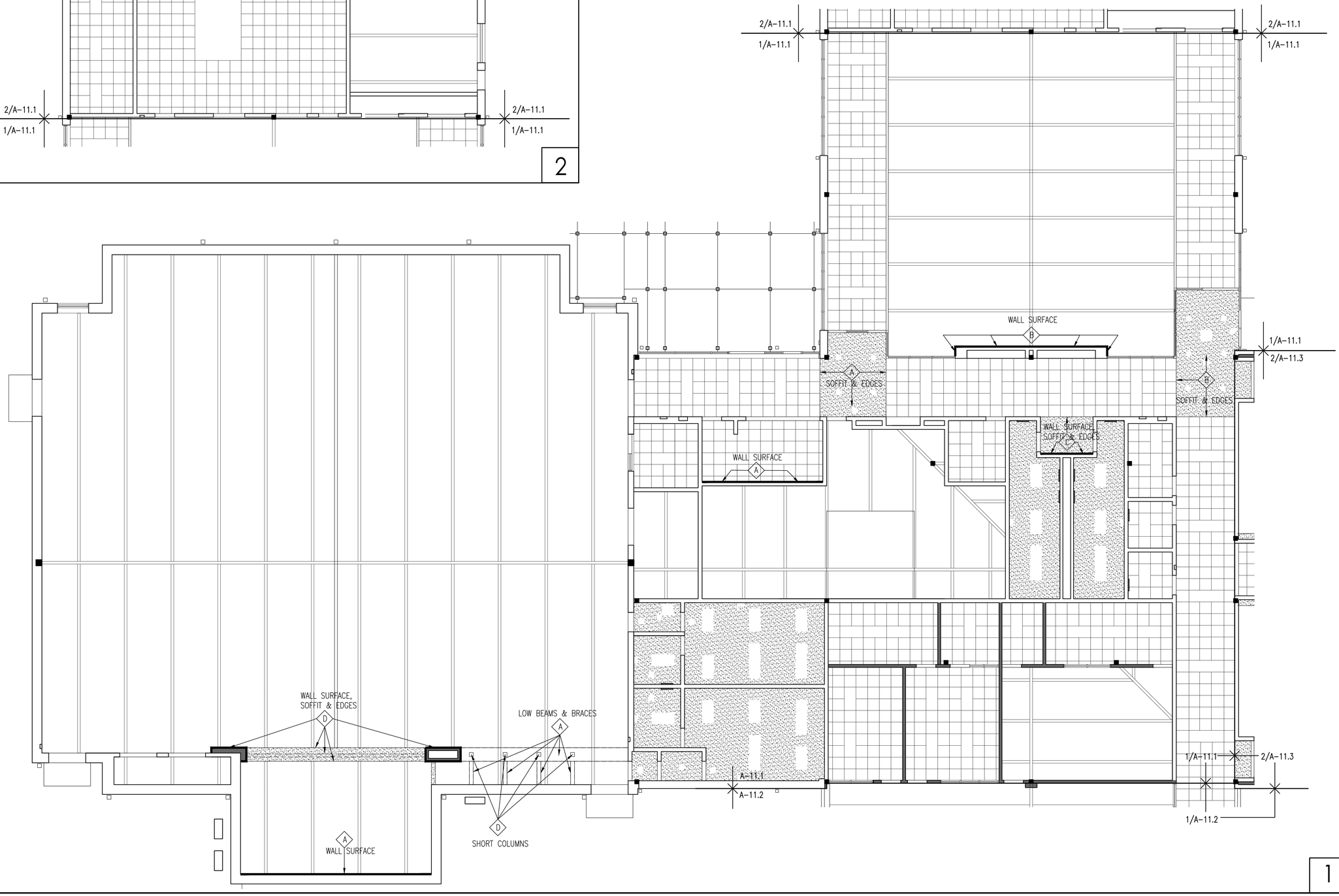


2

COLOR LEGEND

- A — BLUE (ACCENT COLOR "A")
- B — YELLOW (ACCENT COLOR "B")
- C — RED (ACCENT COLOR "C")
- D — SILVER (ACCENT COLOR "D")



1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

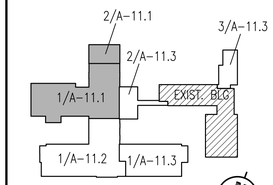
COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

EQUIPMENT LEGEND:

- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS



FIRST FLOOR KEY PLAN

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Szostak Design, Inc. — 51679 — North Carolina — Registered Architect — Chapel Hill, NC

DAVID H. CLINTON — 3671 — Registered Architect — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL & CEILING COLOR DESIGNATION PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-11.1

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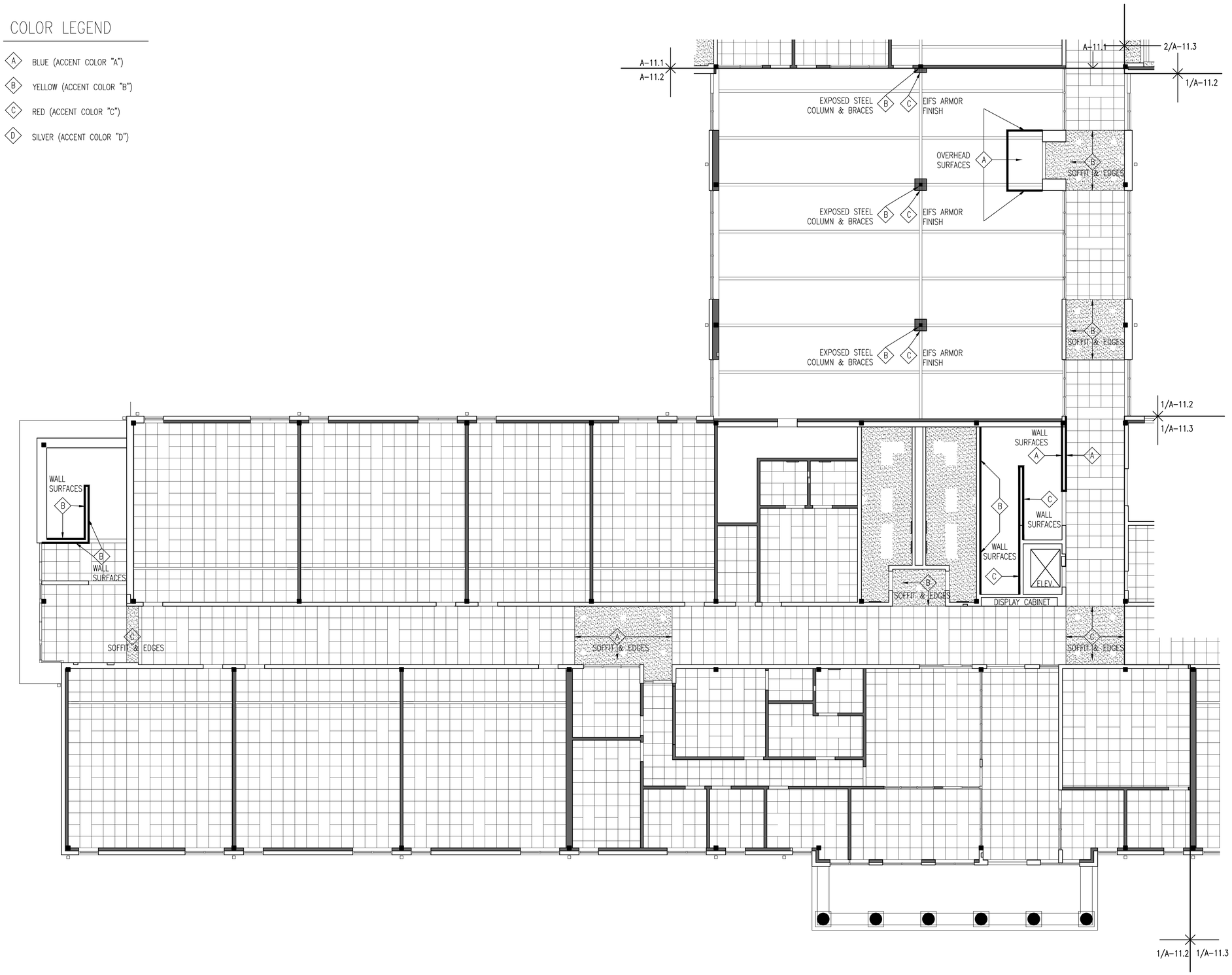
COLOR LEGEND

- A — BLUE (ACCENT COLOR "A")
- B — YELLOW (ACCENT COLOR "B")
- C — RED (ACCENT COLOR "C")
- D — SILVER (ACCENT COLOR "D")



SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

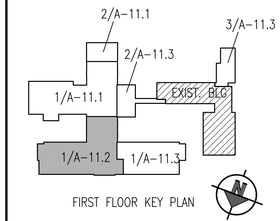
COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

EQUIPMENT LEGEND:

- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS



FIRST FLOOR KEY PLAN

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Szostak Design, Incorporated — 51679 — Chapel Hill, NC

DAVID H. CLINTON — REGISTERED ARCHITECT — 3671 — CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL & CEILING COLOR DESIGNATION PLAN

0 2 4 8 16

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

BID AND CONSTRUCTION

A-11.2

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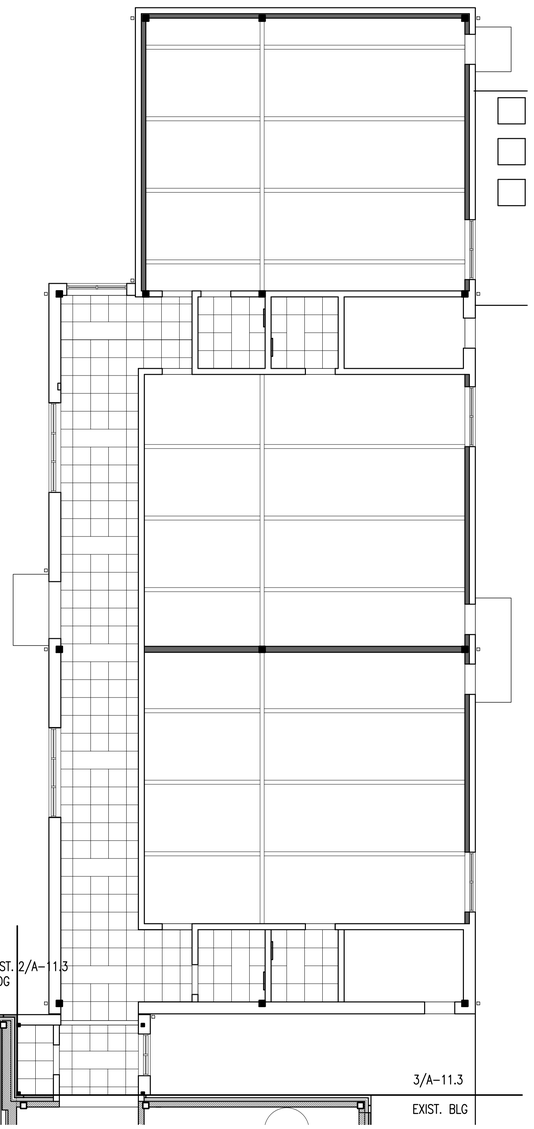

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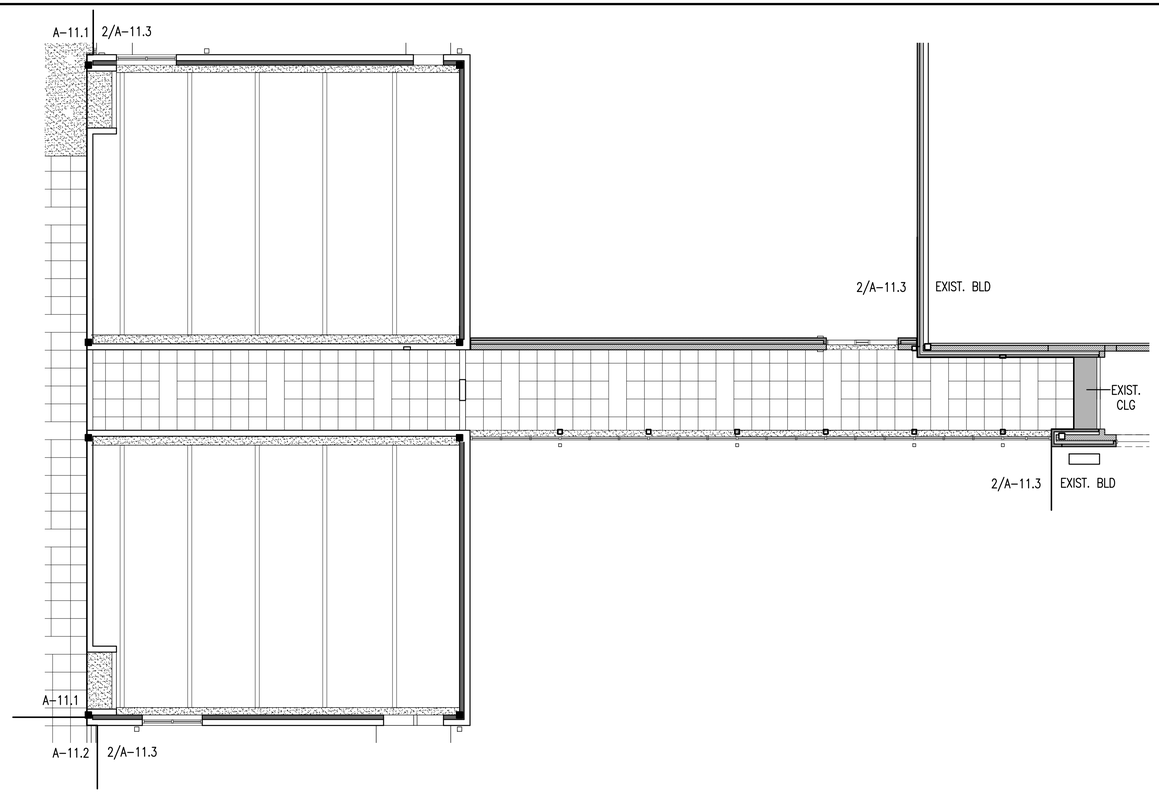

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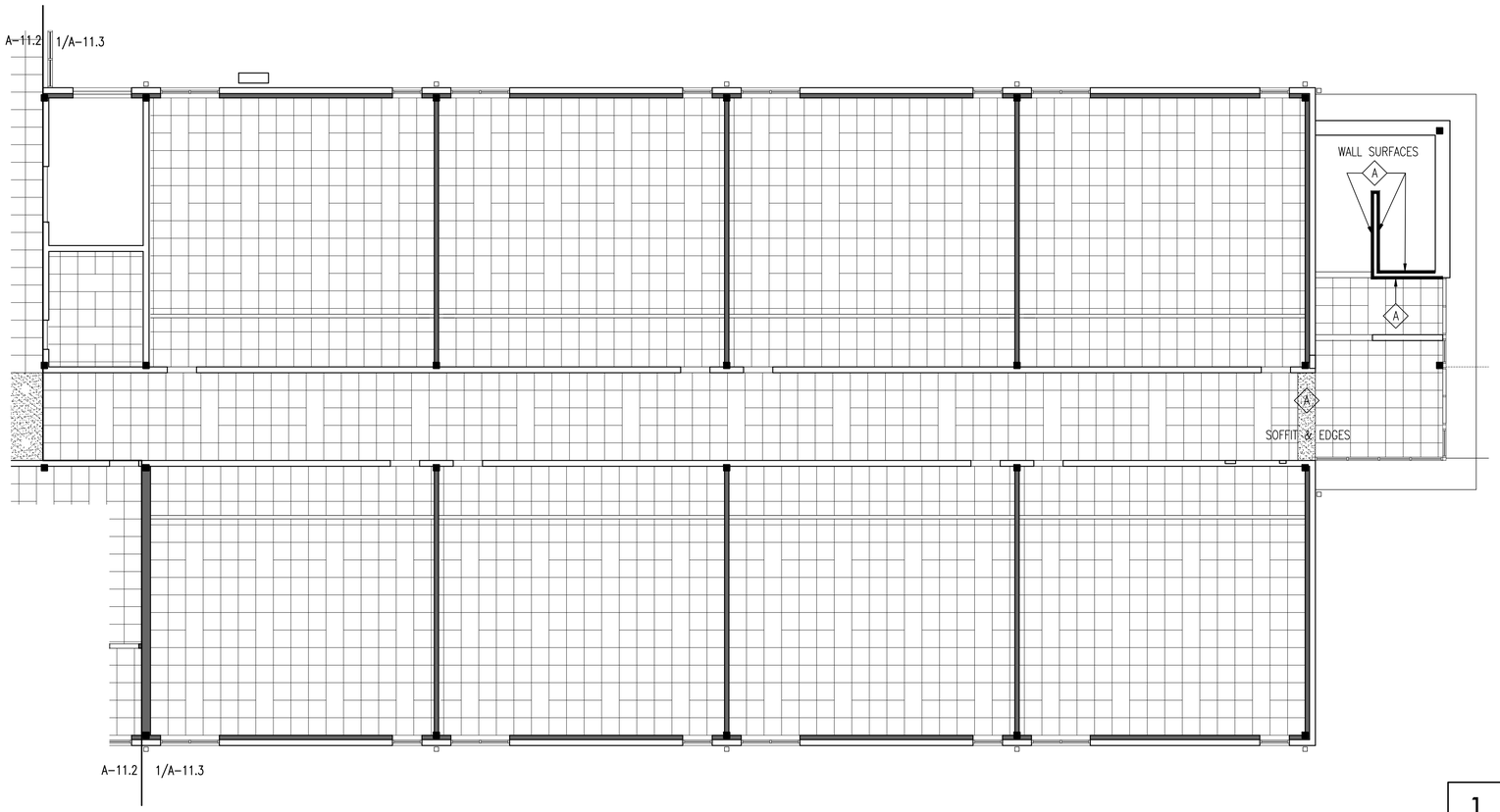


1

COLOR LEGEND

- A — BLUE (ACCENT COLOR "A")
- B — YELLOW (ACCENT COLOR "B")
- C — RED (ACCENT COLOR "C")
- D — SILVER (ACCENT COLOR "D")

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

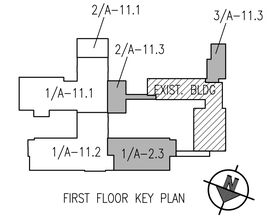
COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

EQUIPMENT LEGEND:

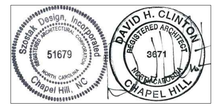
- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS



FIRST FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.



2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL & CEILING COLOR DESIGNATION PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-11.3

The above Drawings, specifications, ideas, designs and arrangements represented thereby are and shall remain in the property of the architect. No part therof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared or reviewed without the written consent of the architect.

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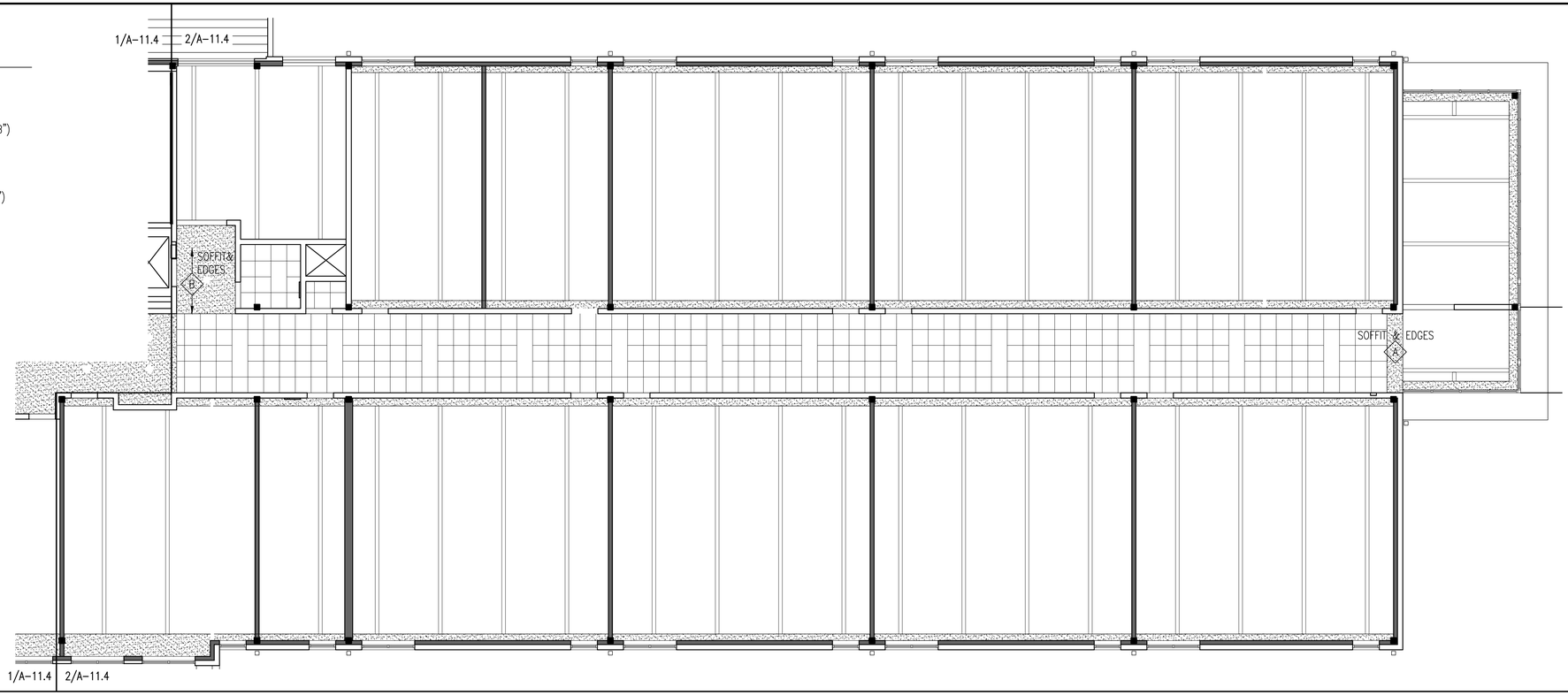
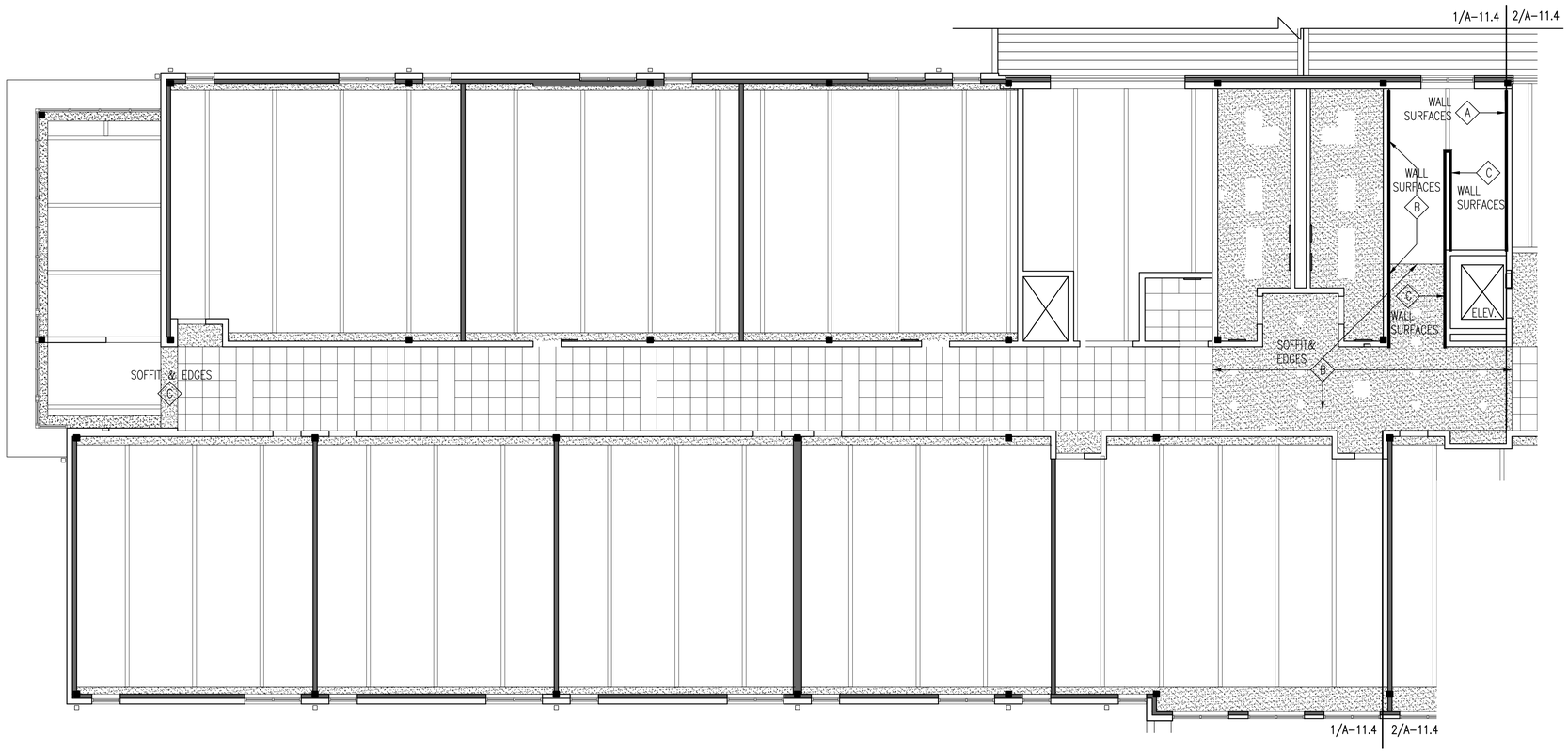
COLOR LEGEND

- A — BLUE (ACCENT COLOR "A")
- B — YELLOW (ACCENT COLOR "B")
- C — RED (ACCENT COLOR "C")
- D — SILVER (ACCENT COLOR "D")



2



1

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

EQUIPMENT LEGEND:

- EMERGENCY LIGHT
- EXIT LIGHT
- AIR GRILLES
- LIGHT FIXTURE
- GWB CLG
- ACT CLG

NOTE: GWB FASCIAS OVER CABINETS ARE BELOW CEILINGS AND NOT SHOWN ON RCPS

1/A-11.4 | 2/A-11.4

SECOND FLOOR KEY PLAN

NOTE: IF THIS DRAWING IS NOT 24"x36", IT IS A REDUCED PRINT. REFER TO GRAPHIC SCALE.

Szostak Design, Inc. Professional Architecture 51679 North Carolina Chapel Hill, NC

DAVID H. CLINTON 9671 REGISTERED ARCHITECT CHAPEL HILL, NC

2 MAR. 2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

WALL & CEILING COLOR DESIGNATION PLAN

0 2' 4' 8' 16'

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

BID AND CONSTRUCTION

A-11.4

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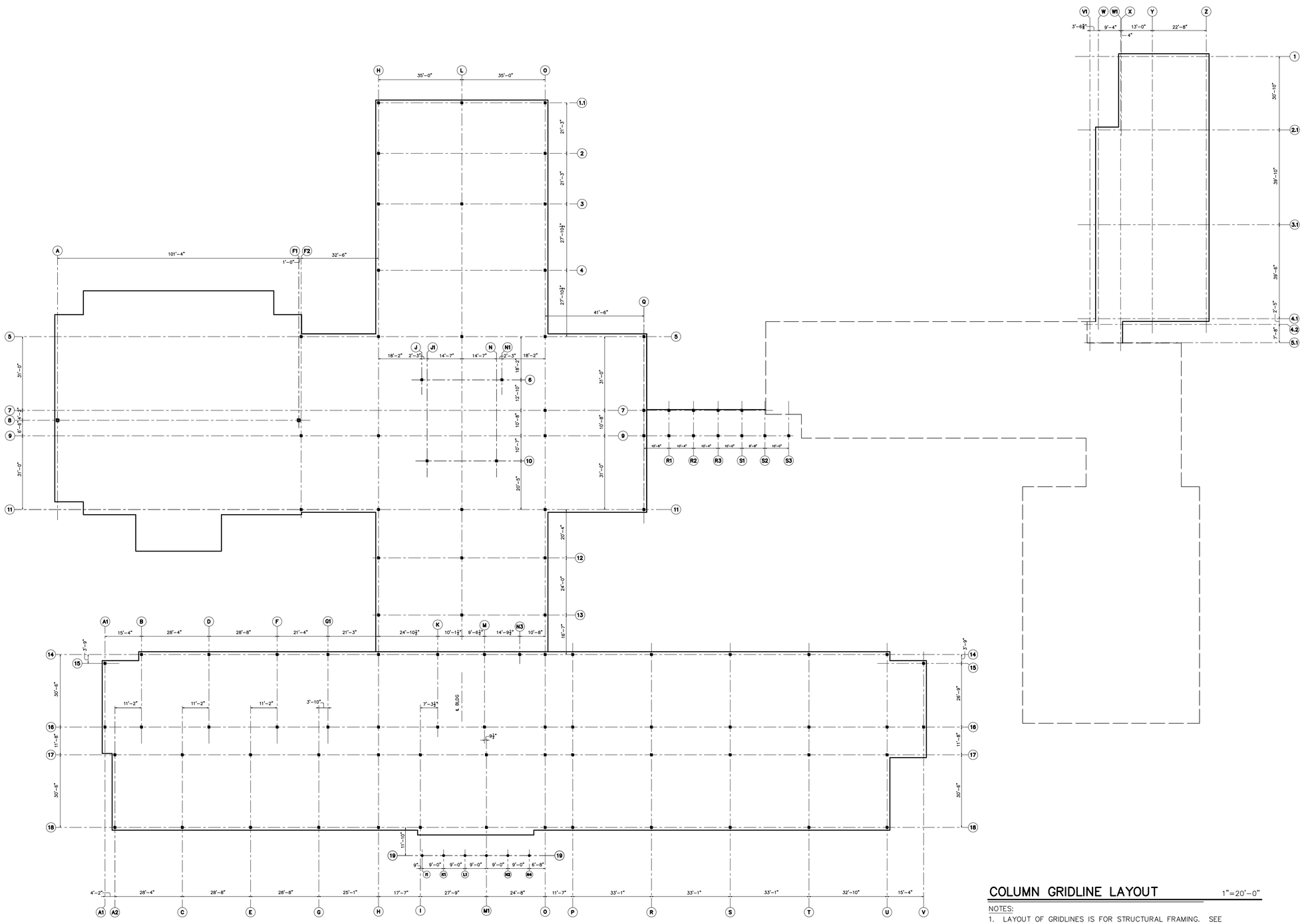

COLUMN GRIDLINE LAYOUT

1"=20'-0"

NOTES:

1. LAYOUT OF GRIDLINES IS FOR STRUCTURAL FRAMING. SEE ARCHITECT'S DWGS FOR LOCATION OF WALLS, FINISHES, ETC.
2. VERIFY THAT ALL DIMEMSIONS COORDINATE WITH THE ⅛" SCALE PLANS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

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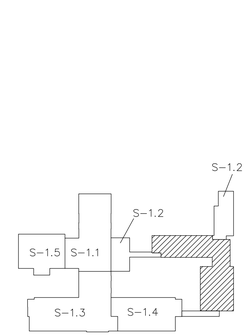

KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

COLUMN GRIDLINE LAYOUT

BID AND CONSTRUCTION

S-1.0

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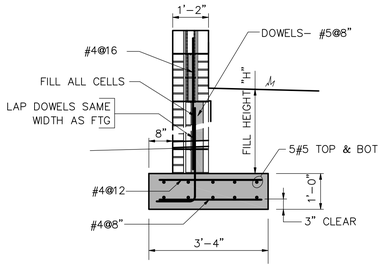
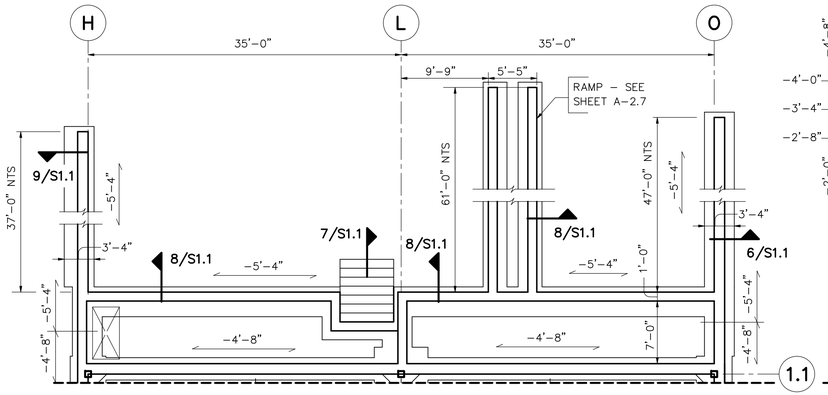
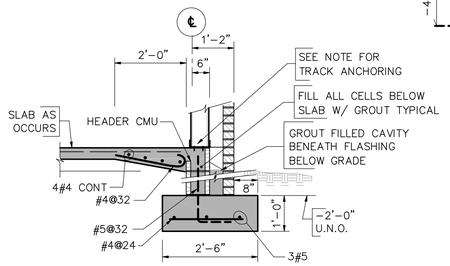


9 **SECTION** – AT RETAINING WALL

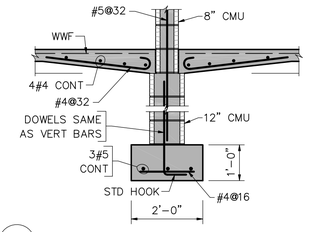
NO SCALE



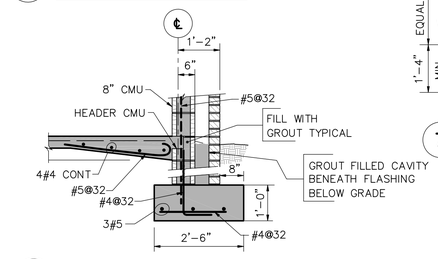


2 **SECTION** FOUNDATION WALL $\frac{1}{2}$"=1'-0"

NOTE: ANCHOR 18 GA TRACK TO SLAB USING POWDER DRIVEN PINS – .177" DIA x $1\frac{3}{8}$" LONG SPACED AT 12" O.C. STAGGERED. "HILTI DS HEAVY-DUTY" PIN OR APPROVED EQUAL.

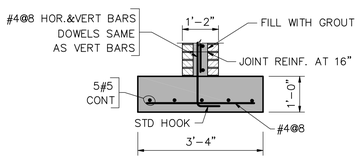


4 **SECTION** – AT INTERIOR WALL $\frac{1}{2}$"=1'-0"



5 **SECTION** – FOUNDATION WALL

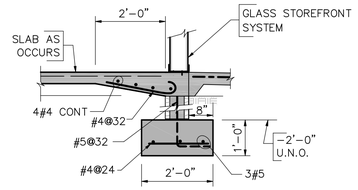
NO SCALE



6 **SECTION** – AT SCREENWALL NO SCALE

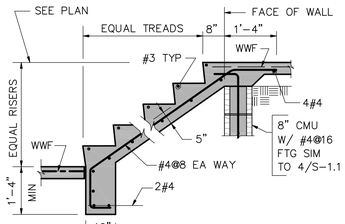
1 **FOUNDATION PLAN** $\frac{1}{8}$"=1'-0"

NOTES:
1. FINISH FLOOR REFERENCE ELEVATION 00.00' U.O.N.
2. ELEVATION TOP OF FOOTINGS –2'-0" BELOW FIN. FLOOR U.O.N.
3. (CJ) DENOTES CONTROL JOINT IN SLAB ON GRADE ABOVE.
4. SLOPE SLAB-ON-GRADE IN WET AREAS TO THE FLOOR DRAINS.
5. AT DOOR OPENINGS AND SIMILAR LOCATIONS, OMIT CMU IN PLANE OF SLAB TO ALLOW CONCRETE SLAB TO RUN THROUGH ALL OPENINGS.
6. NO DENOTES FTG STEP DOWN ELEVATION BELOW FINISH FLOOR.
7. SEE ARCHITECTURAL DRAWINGS FOR TYPE, THICKNESS AND LOCATIONS OF ALL WALLS



3 **SECTION** FOUNDATION WALL $\frac{1}{2}$"=1'-0"

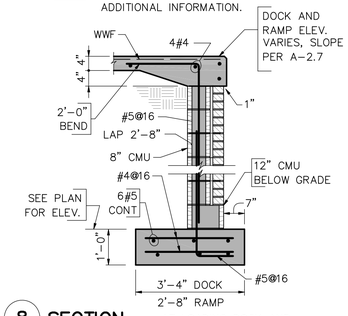
NOTE: SEE 2/S2 FOR NOTES.



7 **SECTION** – AT STEPS

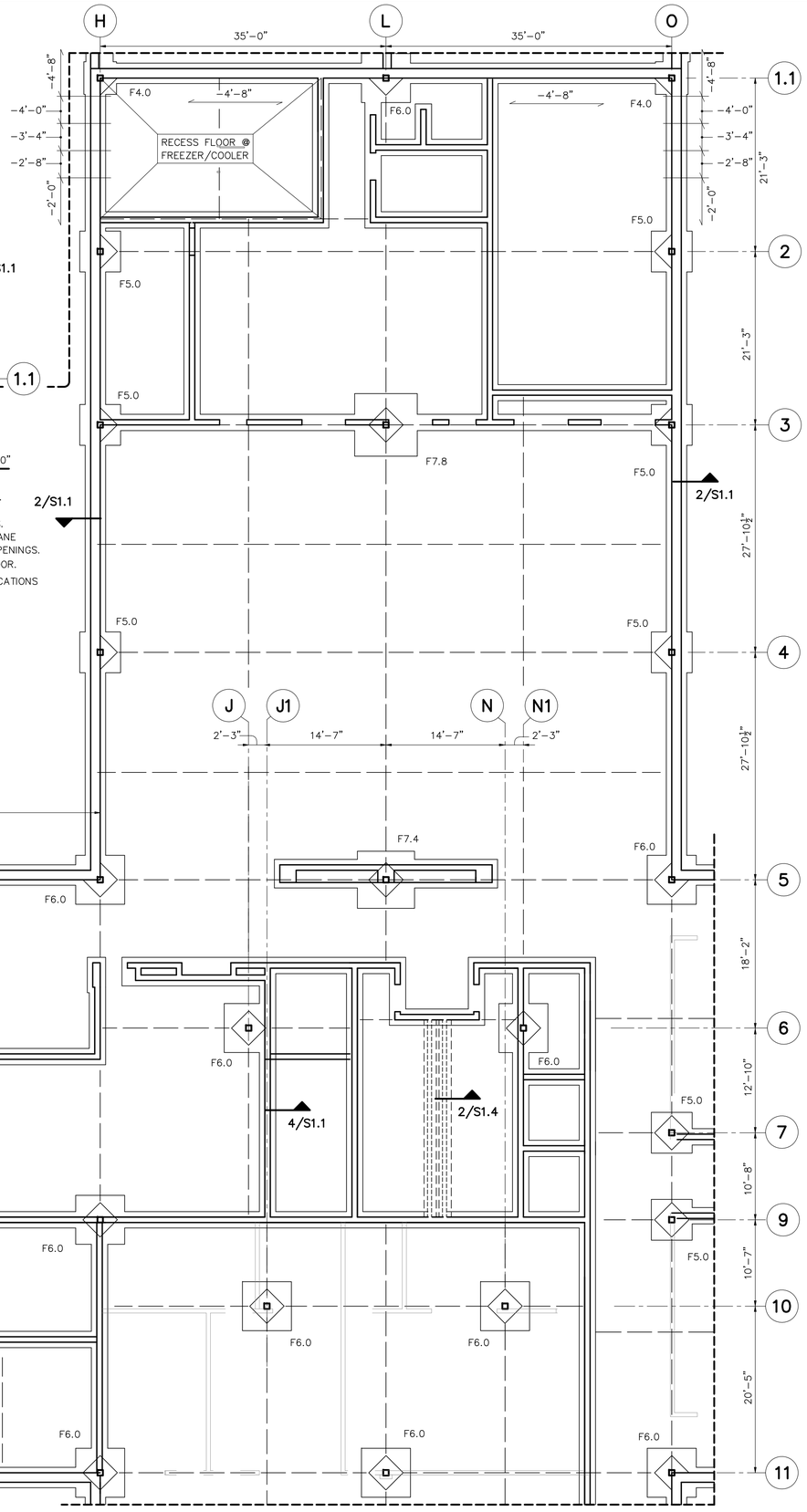
ON GRADE NO SCALE

NOTE: SEE ARCHITECT'S DWGS FOR ADDITIONAL INFORMATION.



8 **SECTION** – AT LOADING DOCK AND ACCESS RAMP NO SCALE

NOTE: FILL ALL CELLS WITH CONCRETE.



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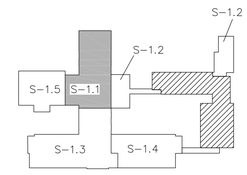

FIRST FLOOR KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FOUNDATION PLAN & DETAILS

BID AND CONSTRUCTION

S-1.1

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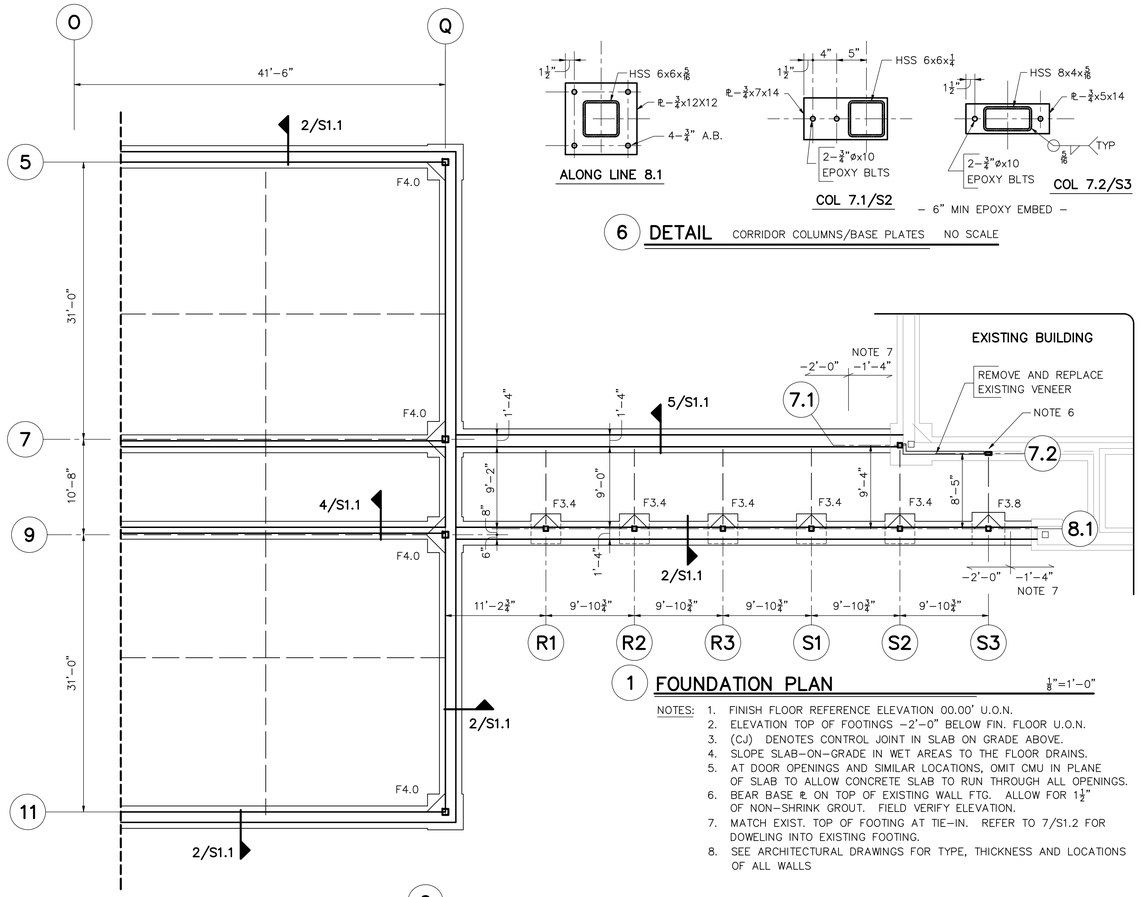
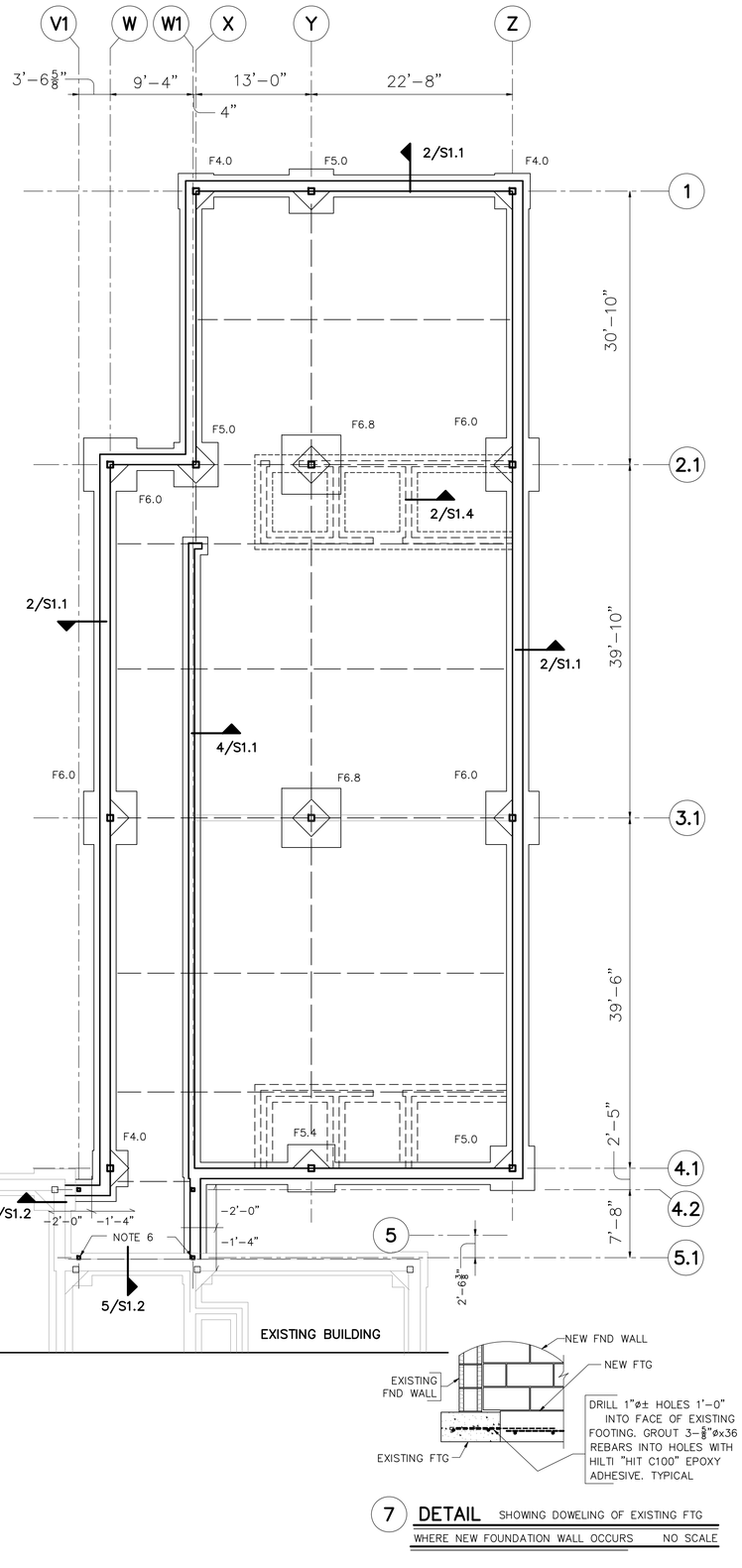
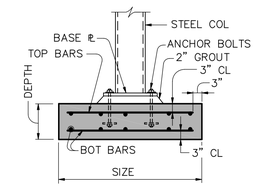


1 **FOUNDATION PLAN** $\frac{1}{8}$"=1'-0"

NOTES:
1. FINISH FLOOR REFERENCE ELEVATION 00.00' U.O.N.
2. ELEVATION TOP OF FOOTINGS -2'-0" BELOW FIN. FLOOR U.O.N.
3. (CJ) DENOTES CONTROL JOINT IN SLAB ON GRADE ABOVE.
4. SLOPE SLAB-ON-GRADE IN WET AREAS TO THE FLOOR DRAINS.
5. AT DOOR OPENINGS AND SIMILAR LOCATIONS, OMIT CMU IN PLANE OF SLAB TO ALLOW CONCRETE SLAB TO RUN THROUGH ALL OPENINGS.
6. BEAR BASE ℄ ON TOP OF EXISTING WALL FTG. ALLOW FOR 1½" OF NON-SHRINK GROUT. FIELD VERIFY ELEVATION.
7. MATCH EXIST. TOP OF FOOTING AT TIE-IN. REFER TO 7/S1.2 FOR DOWELING INTO EXISTING FOOTING.
8. SEE ARCHITECTURAL DRAWINGS FOR TYPE, THICKNESS AND LOCATIONS OF ALL WALLS

6 **DETAIL** CORRIDOR COLUMNS/BASE PLATES NO SCALE



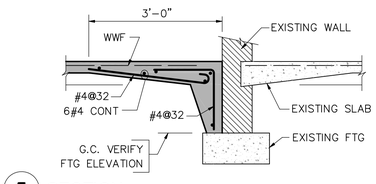


3 **DETAIL** - COLUMN FOOTING NO SCALE

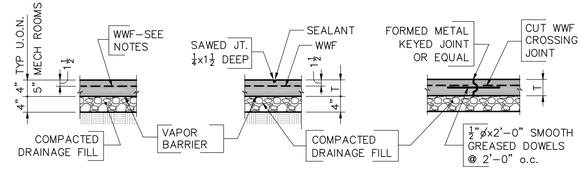
NOTES:
1. SEE SCHEDULES FOR SIZE, DEPTH, REINFORCING AND ANCHOR BOLTS.
2. COAT BASE PLATE, ANCHOR BOLTS, AND COL BELOW SLAB OR GRADE WITH AN APPROVED ASPHALT PAINT.

2 **FOOTING SCHEDULE** (NO PEDESTALS)

MARK			F3.4	F3.8	F4.0	F4.4	F4.8	F5.0	F5.4	F5.8		
FOOTING	SIZE		3'-4" x 3'-4"	3'-8" x 3'-8"	4'-0" x 4'-0"	4'-4" x 4'-4"	4'-8" x 4'-8"	5'-0"x 5'-0"	5'-4" x 5'-4"	5'-8" x 5'-8"		
	DEPTH		1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"		
	STEEL 1/2 EA WAY	TOP				10#4	12#4	12#4	12#5	12#5		
		BOT	10#4	10#4	12#4	12#5	16#5	16#5	14#6	14#6		
MARK			F6.0	F6.4	F6.8	F7.4	F7.8	F8.0	F8.6	F9.0	F9.6	F10.0
FOOTING	SIZE		6'-0" x 6'-0"	6'-4" x 6'-4"	6'-8" x 6'-8"	7'-4" x 7'-4"	7'-8" x 7'-8"	8'-0" x 8'-0"	8'-6" x 8'-6"	9'-0" x 9'-0"	9'-6" x 9'-6"	10'-0"x 10'-0"
	DEPTH		1'-2"	1'-2"	1'-2"	1'-4"	1'-4"	1'-4"	1'-6"	1'-6"	1'-8"	1'-8"
	STEEL 1/2 EA WAY	TOP	12#5	12#5	14#5	16#5	16#5	14#6	16#6	16#6	16#6	16#6
		BOT	14#6	16#7	16#7	20#7	20#7	18#8	22#7	20#8	20#8	22#8



5 **SECTION** AT EXISTING FND WALL NO SCALE



4 **DETAILS** - SLAB ON GRADE NO SCALE

NOTE: SAWCUT JOINTS WITHIN 12 HOURS OF CASTING SLAB.

7 **DETAIL** SHOWING DOWELING OF EXISTING FTG WHERE NEW FOUNDATION WALL OCCURS NO SCALE

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

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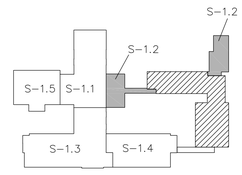

FIRST FLOOR KEY PLAN

03/01/2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FOUNDATION PLAN & DETAILS

BID AND CONSTRUCTION

S-1.2

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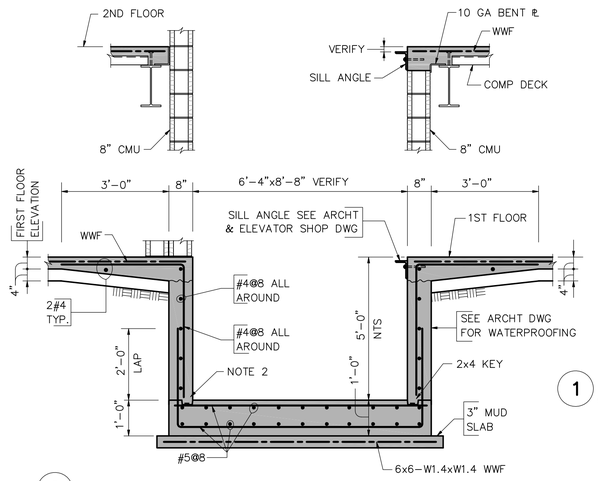
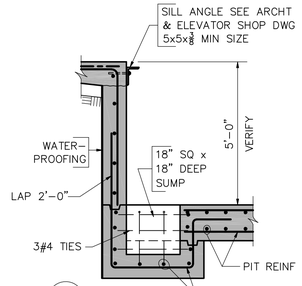


2 **SECTION** SHOWING ELEVATOR PIT REINFORCING NO SCALE

NOTES:
1. SEE ARCHITECT'S DWGS FOR WATERPROOFING REQUIREMENTS.
2. PROVIDE SELF-EXPANDING WATERSTOP AT ALL JOINTS IN CONCRETE.
3. SUMP LOCATION PER ELEV. SPECS. SEE 3/S1.3.

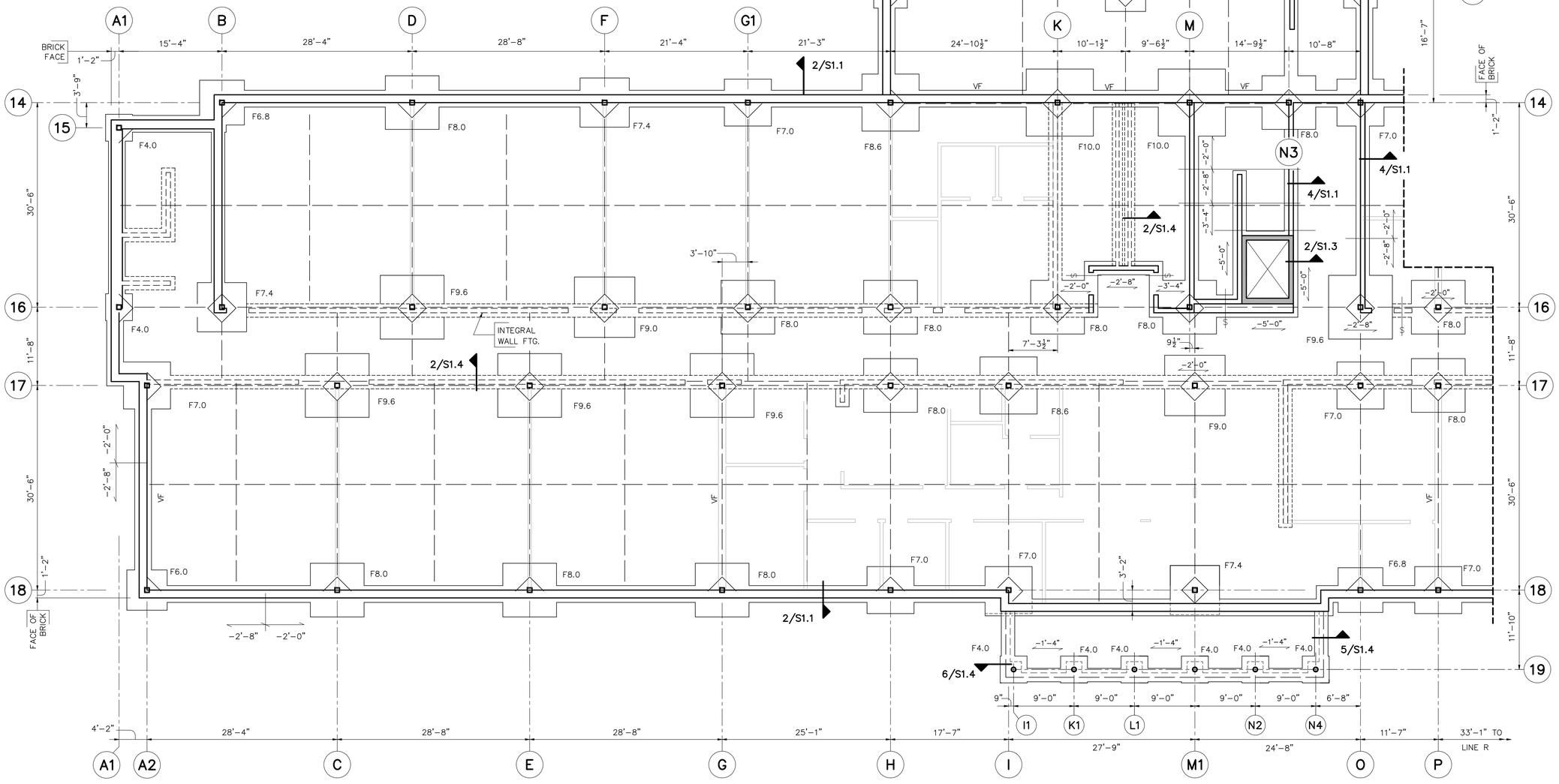


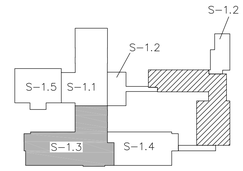
3 **DETAIL** ELEVATOR SUMP

NOTE: NO SCALE
1. FURNISH STEEL GRATE AND SUPPORT FRAME PER SPECS.

1 **FOUNDATION PLAN** $\frac{1}{8}$"=1'-0"

NOTES:
1. FINISH FLOOR REFERENCE ELEVATION 00.00' U.O.N.
2. ELEVATION TOP OF FOOTINGS -2'-0" BELOW FIN. FLOOR U.O.N.
3. (CJ) DENOTES CONTROL JOINT IN SLAB ON GRADE ABOVE.
4. SLOPE SLAB-ON-GRADE IN WET AREAS TO THE FLOOR DRAINS.
5. AT DOOR OPENINGS AND SIMILAR LOCATIONS, OMIT CMU IN PLANE OF SLAB TO ALLOW CONCRETE SLAB TO RUN THROUGH ALL OPENINGS.
6. NO DENOTES FTG STEP DOWN ELEVATION BELOW FINISH FLOOR.
7. SEE ARCHITECTURAL DRAWINGS FOR TYPE, THICKNESS AND LOCATIONS OF ALL WALLS





FIRST FLOOR KEY PLAN

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

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info@gmengrs.com

NORTH CAROLINA REGISTERED 26335 PROFESSIONAL ENGINEER WILLIAM T EASTERLING
03/02/2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FOUNDATION PLAN & DETAILS

BID AND CONSTRUCTION

S-1.3

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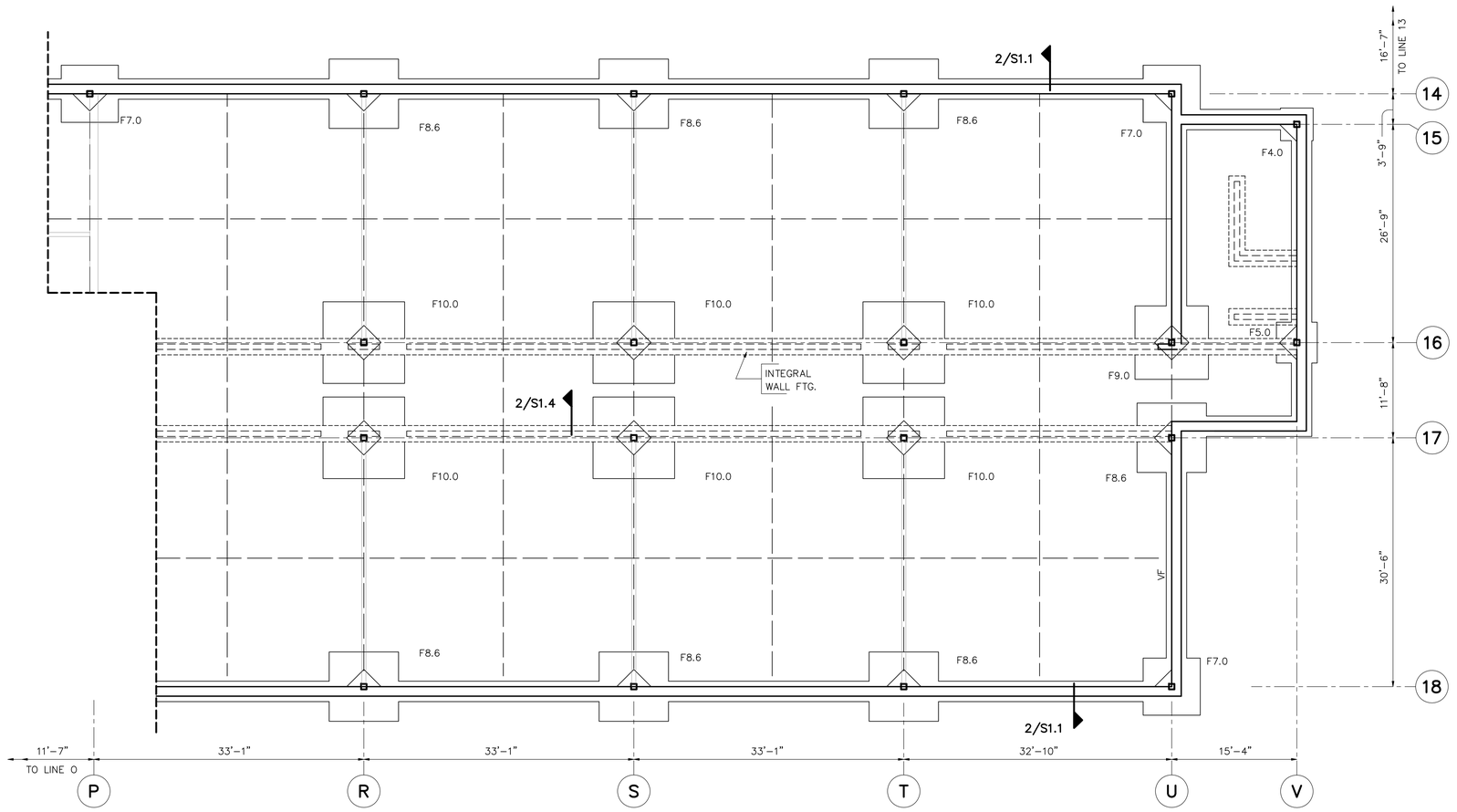
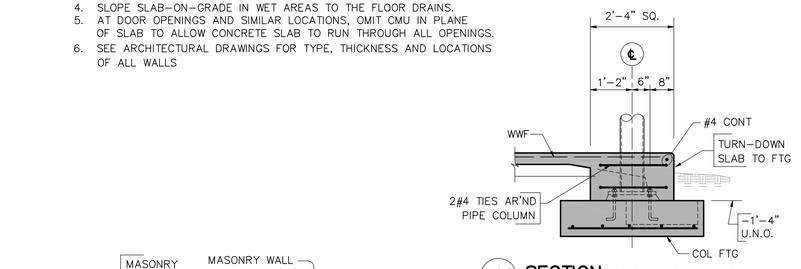


1 FOUNDATION PLAN

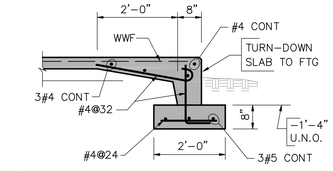
1/8"=1'-0"

NOTES:
1. FINISH FLOOR REFERENCE ELEVATION 00.00' U.O.N.
2. ELEVATION TOP OF FOOTINGS -2'-0" BELOW FIN. FLOOR U.O.N.
3. (CJ) DENOTES CONTROL JOINT IN SLAB ON GRADE ABOVE.
4. SLOPE SLAB-ON-GRADE IN WET AREAS TO THE FLOOR DRAINS.
5. AT DOOR OPENINGS AND SIMILAR LOCATIONS, OMIT CMU IN PLANE OF SLAB TO ALLOW CONCRETE SLAB TO RUN THROUGH ALL OPENINGS.
6. SEE ARCHITECTURAL DRAWINGS FOR TYPE, THICKNESS AND LOCATIONS OF ALL WALLS

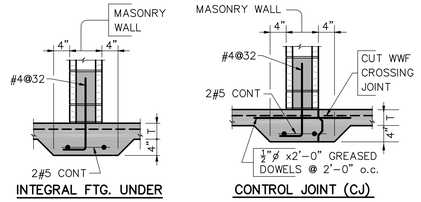


6 SECTION AT PORTICO COLUMNS

NO SCALE



5 SECTION TURN-DOWN SLAB NO SCALE

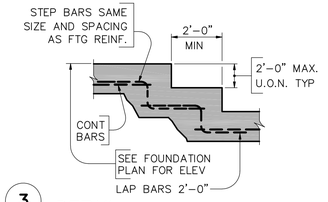


INTEGRAL FTG. UNDER INTERIOR MASONRY PART'N.

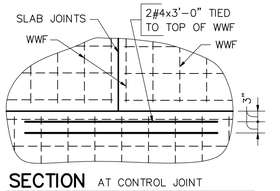
CONTROL JOINT (CJ) UNDER INTERIOR PART'N.

2 SECTION INTEGRAL FOOTING 1/2"=1'-0"

NOTE:



3 DETAIL - TYPICAL STEP IN WALL FOOTING NO SCALE



4 SECTION AT CONTROL JOINT

INTERSECTIONS NO SCALE

NOTE:
THIS DETAIL APPLIES TO ALL "T" INTERSECTIONS OF SLAB CONTROL JOINTS.

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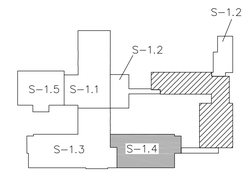

FIRST FLOOR KEY PLAN

NO.	DATE	DESCRIPTION
1		
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4		

PARTIAL FOUNDATION PLAN & DETAILS

BID AND CONSTRUCTION

S-1.4

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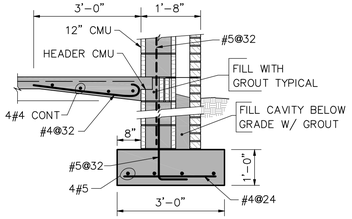
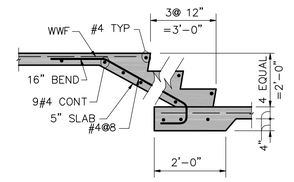


2 SECTION – FOUNDATION WALL AT GYM

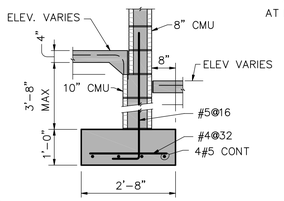
NO SCALE

NOTE: OMIT HEADER CMU WHERE NO SLAB OCCURS.



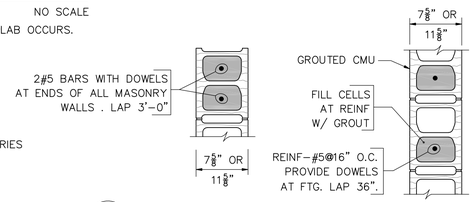
3 SECTION – AT STAGE STEPS

NO SCALE



4 SECTION – AT RAISED FLOOR

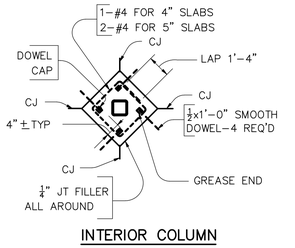
NO SCALE



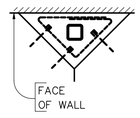
5 DETAILS REINFORCING OF BEARING MASONRY WALLS

NO SCALE

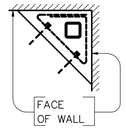
NOTES: ALL MASONRY WALLS SHALL BE REINFORCED AS SHOWN IN DETAILS ABOVE. FILL ONLY THE CELLS WHERE BARS OCCUR WITH 3000 PSI ASTM C476 FINE GROUT. USE OF MORTAR MIX IS NOT ACCEPTABLE. SEE GENERAL NOTES FOR GROUTING SPECIFICATIONS.



INTERIOR COLUMN



COLUMN AT WALL

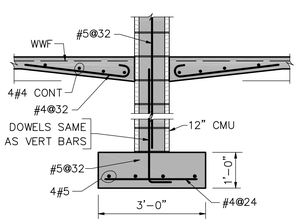


COLUMN AT CORNER

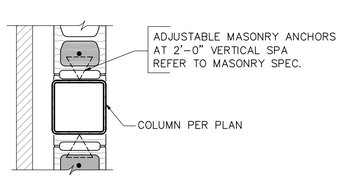
NOTES

1. SEE COLUMN SCHEDULE FOR TUBE AND BASE & SIZES.
2. DOWELS AND REINFORCING FOR EXTERIOR AND CORNER COLUMNS SAME AS INTERIOR COLUMN.

6 PLAN SECTIONS – COLUMN ISOLATION JOINTS NO SCALE



7 SECTION – AT INTERIOR WALL NO SCALE

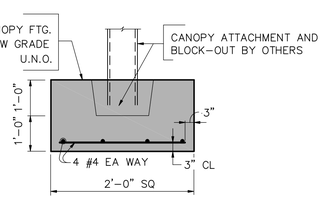


8 SECTION ANCHORAGE OF CMU WALLS TO STRUCTURAL STEEL FRAMING

NO SCALE

FURNISH AT EACH CANOPY COLUMN

REFER TO BID ALTERNATE G-2 AS NOTED IN SPEC SECTION 100000 FOR PREFINISHED CANOPY REQUIREMENTS COLUMN LOCATIONS AS SHOWN ON SHEET A-2.1, SERIES A-2 AND A-5

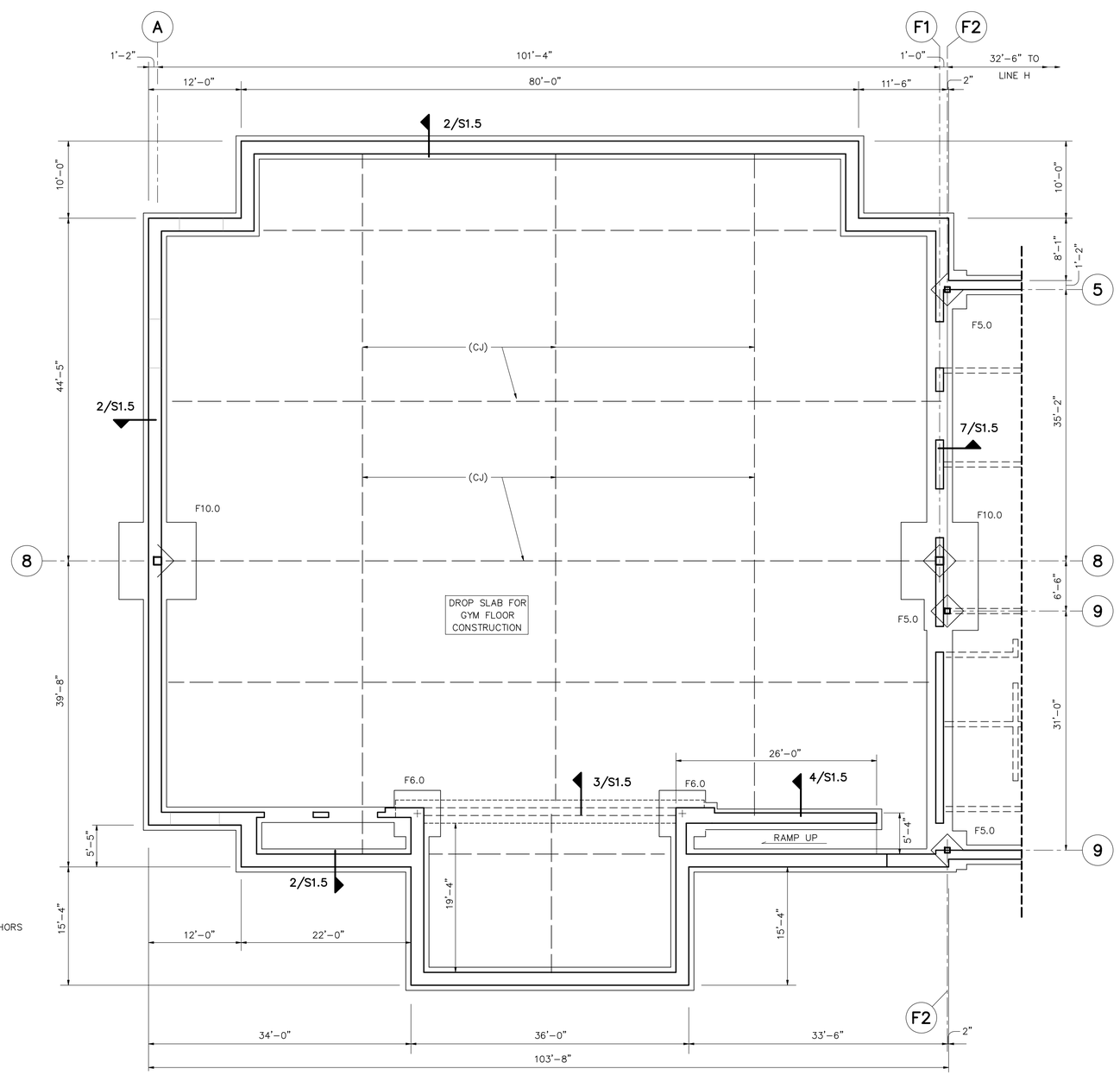


9 DETAIL – PREFINISHED CANOPY COLUMN FOOTING

NO SCALE

NOTES

1. REFER TO ARCH'T SHEETS FOR CANOPY COLUMN LAYOUT.
2. REFER TO CANOPY DESIGN SHEETS FOR ALL ATTACHMENT AND REQ'D BLOCK OUT DETAILS



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

NOTES:

1. FINISH FLOOR REFERENCE ELEVATION 00.00' U.O.N.
2. ELEVATION TOP OF FOOTINGS -2'-0" BELOW FIN. FLOOR U.O.N.
3. (CJ) DENOTES CONTROL JOINT IN SLAB ON GRADE ABOVE.
4. SLOPE SLAB-ON-GRADE IN WET AREAS TO THE FLOOR DRAINS.
5. AT DOOR OPENINGS AND SIMILAR LOCATIONS, OMIT CMU IN PLANE OF SLAB TO ALLOW CONCRETE SLAB TO RUN THROUGH ALL OPENINGS.
6. SEE ARCHITECTURAL DRAWINGS FOR TYPE, THICKNESS AND LOCATIONS OF ALL WALLS

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WEST COLUMBUS PK-8 GRADE SCHOOL

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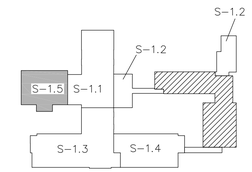

FIRST FLOOR KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL FOUNDATION PLAN & DETAILS

BID AND CONSTRUCTION

S-1.5

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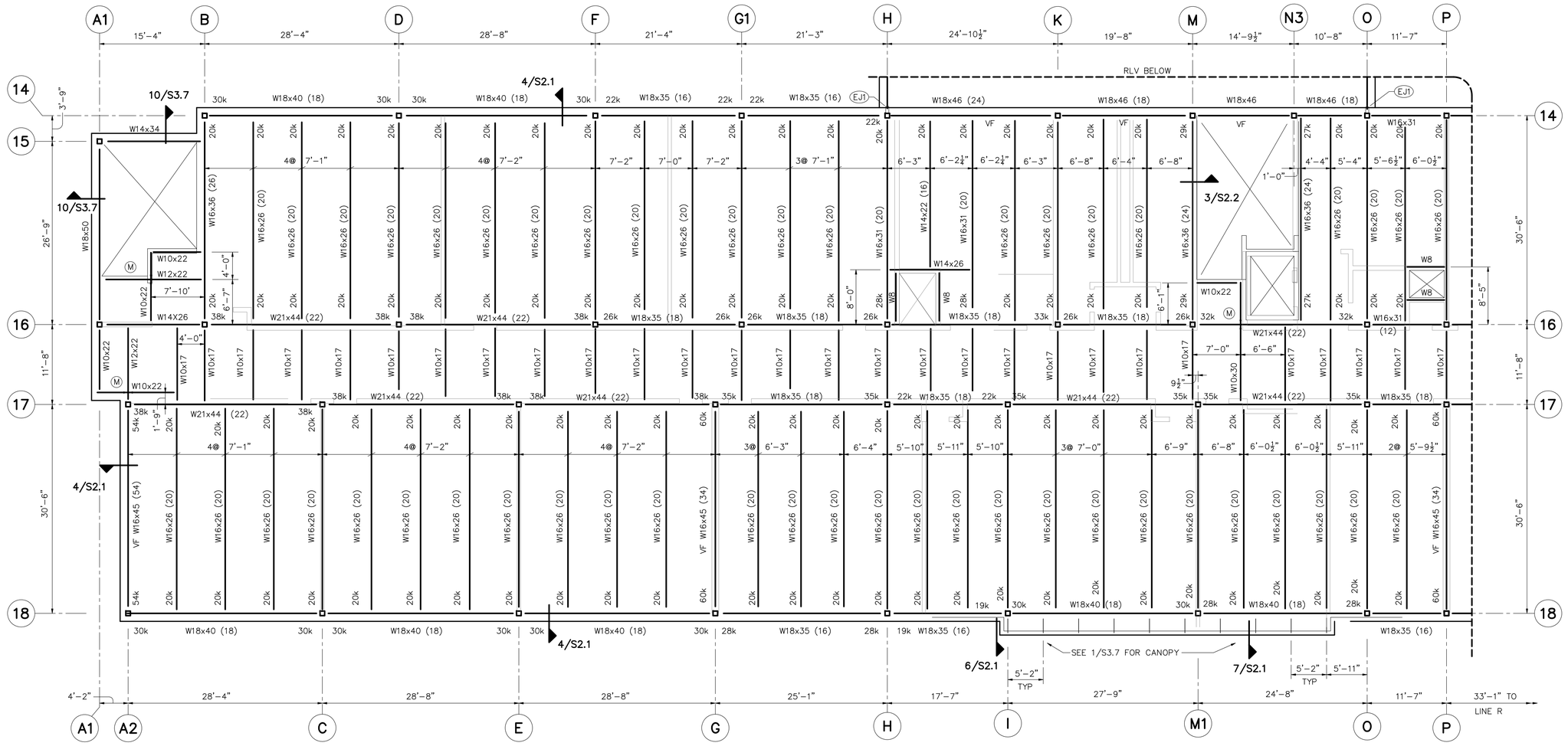
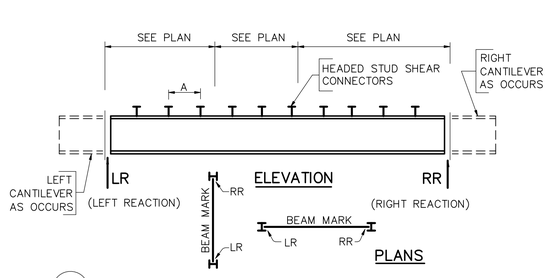
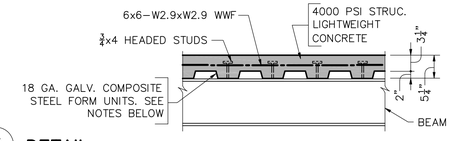




2 TYPICAL COMPOSITE BEAM — NO SCALE

NOTES:

1. ALL STUDS ¾ x 4 FIELD WELDED THRU COMPOSITE DECK.
2. SEE PLAN FOR NUMBER OF STUDS IN EACH ZONE.
3. WHERE A SINGLE NUMBER OF STUDS IS SHOWN ON THE PLAN, SPACE STUDS UNIFORMLY OVER THE ENTIRE SPAN EXCLUDING THE CANTILEVERED ENDS.
4. MINIMUM DIMENSION A:
   BEAMS SUPPORTING STEEL DECK – 6"
   BEAMS PARALLEL TO STEEL DECK SPAN – 4½"
5. MAXIMUM DIMENSION A = 2'–8".

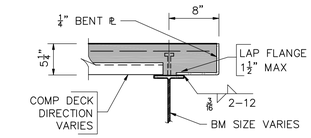


3 DETAIL – TYPICAL FLOOR CONSTRUCTION — NO SCALE

NOTES: 1. THIS DETAIL APPLIES TO ALL FRAMED FLOORS U.O.N.

2. WELD DECK TO SUPPORTS AS PER MANUFACTURER'S RECOMMENDATION.
3. ANY OPENINGS THRU THE SLAB GREATER THAN 6"ø NOT SHOWN ON THE DRAWINGS SHALL REQUIRE APPROVAL OF THE ARCHITECT. THE MINIMUM DISTANCE BETWEEN THE HOLES SHALL EQUAL TWICE THE LARGER OPENING DIMENSION.
4. PROVIDE ANGLE SUPPORTS FOR DECK AROUND COLUMNS. MINIMUM SIZE– 2x2x¼
5. COMPOSITE DECK SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

I = .418 in⁴ Sn = .394 in³
Fy = 33 ksi Sp = .364 in³



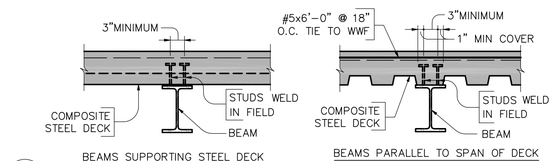
4 SECTION AT SLAB EDGE — NO SCALE

NOTE: DO NOT WELD SHEAR STUDS TO BENT ℄ – STUDS MUST BE WELDED TO BEAM TOP FLANGE.

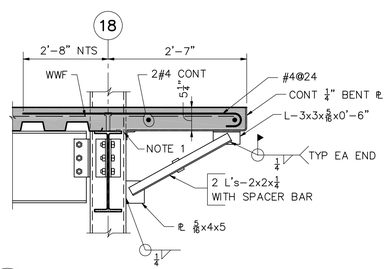
1 SECOND FLOOR FRAMING PLAN — ⅛"=1'–0"

NOTES:

1. FINISH 2ND FLOOR ELEVATION 13'–4" ABOVE MAIN FLOOR.
2. SEE SECTIONS FOR ELEVATION TOP OF STEEL BELOW FINISH 2ND FLOOR.
3. "WX (XX)" DENOTES COMPOSITE BEAM. REFER TO COMPOSITE SLAB DETAILS FOR MORE INFORMATION
4. PROVIDE OPENINGS THRU FLOOR SLAB AS SHOWN ON MECHANICAL/PLUMBING DWGS. SEE DETAIL 2/S2.2 VERIFY ALL DIMENSIONS TO OPENINGS.
5. Ⓜ ——— DENOTES MOMENT CONNECTION AT CANTILEVERED BEAM.
6. 'VF' DENOTES VERTICAL FRAME. REFER TO SHEETS S4.1, S4.2 W8 DENOTES W8x13 UNLESS NOTED OTHERWISE.
7. SEE ARCHITECTURAL DRAWINGS FOR TYPE, THICKNESS AND LOCATIONS OF ALL WALLS



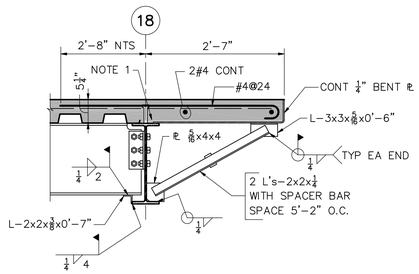
5 DETAILS – SHOWING STUD SPACING WITH A DOUBLE LINE OF STUDS — NO SCALE



6 SECTION SLAB EXTENSION AT COLUMN — ¾"=1'–0"

NOTES:

1. NOTCH BENT PLATE AROUND COLUMN. WELD TO BEAM ⅜x3 FILLETS 16" O.C.
2. SHORE BENT PLATE TO LEVEL POSITION WHEN WELDING BRACE L's TO SUPPORTS.



7 SECTION SLAB EXTENSION — ¾"=1'–0"

NOTES:

1. NOTCH BENT PLATE AROUND COLUMN. WELD TO BEAM ⅜x3 FILLETS 16" O.C. LAP FLANGE 1".
2. SHORE BENT PLATE TO LEVEL POSITION WHEN WELDING BRACE L's TO SUPPORTS.

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S-2.1 | S-2.2

SECOND FLOOR KEY PLAN

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 25335 WILLIAM T. EASTERLING 3/02/2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL SECOND FLOOR FRAMING PLAN & DETAILS

BID AND CONSTRUCTION

S-2.1

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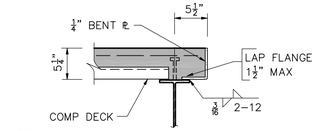
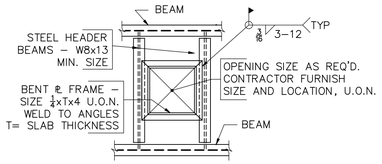


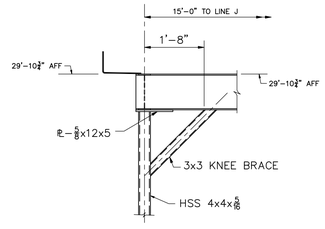
3 **SECTION** AT STAIRWELL

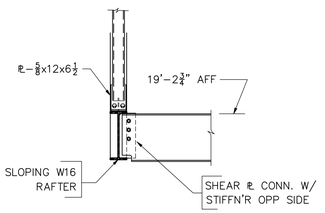
NO SCALE



2 **DETAIL – FRAMING AROUND FLOOR OPENINGS** NO SCALE

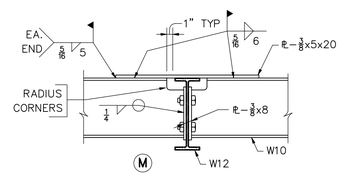
NOTE: PROVIDE BENT PLATE FRAME AND HEADER BEAMS AR'ND ALL DUCT PENETRATIONS, HOISTWAY OPENINGS, AND OTHER OPENINGS IN SLABS.

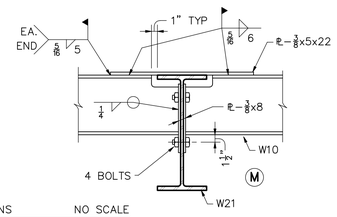




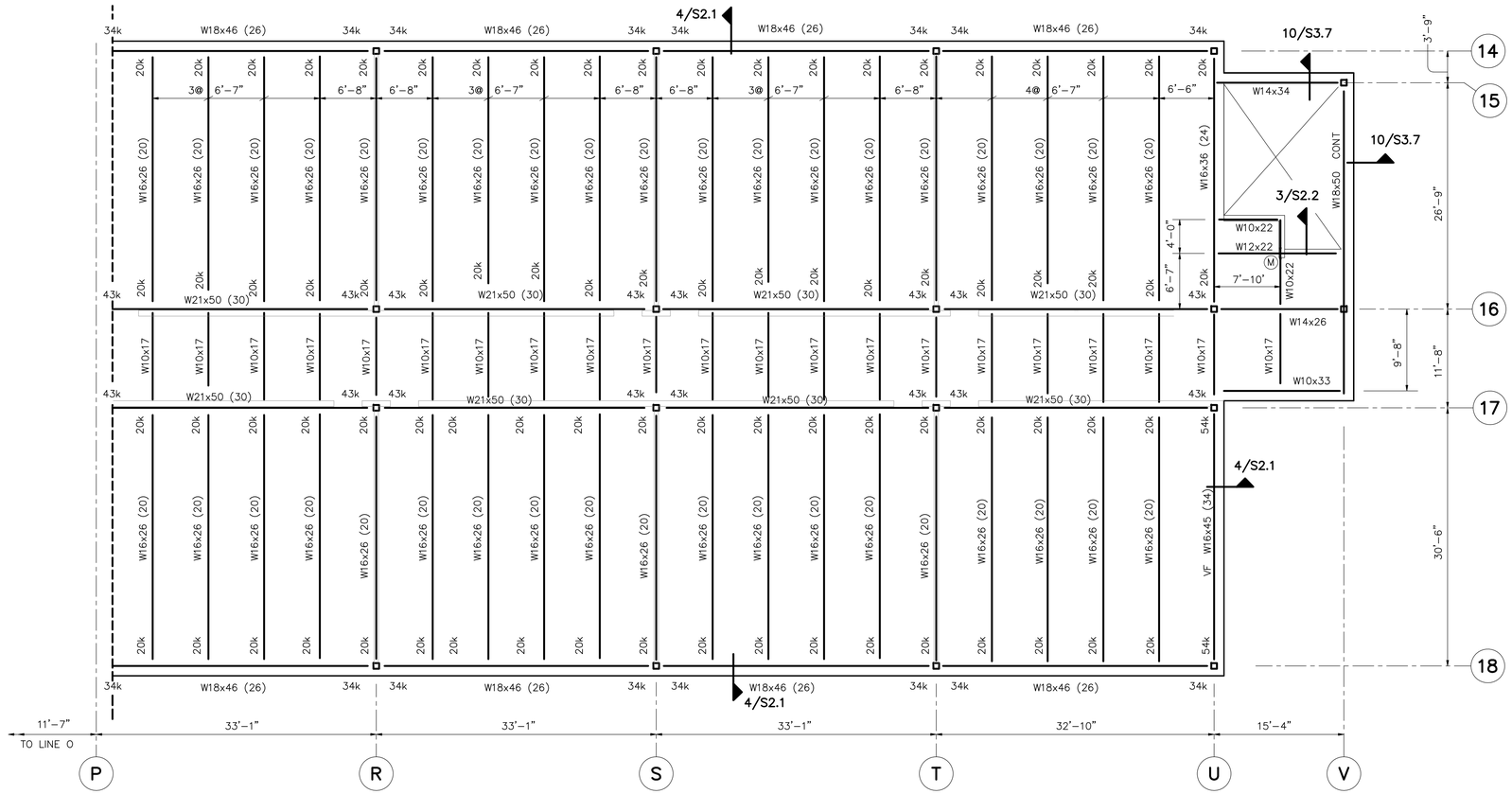
4 **SECTION** POST @ PENTHOUSE

½"=1'-0"



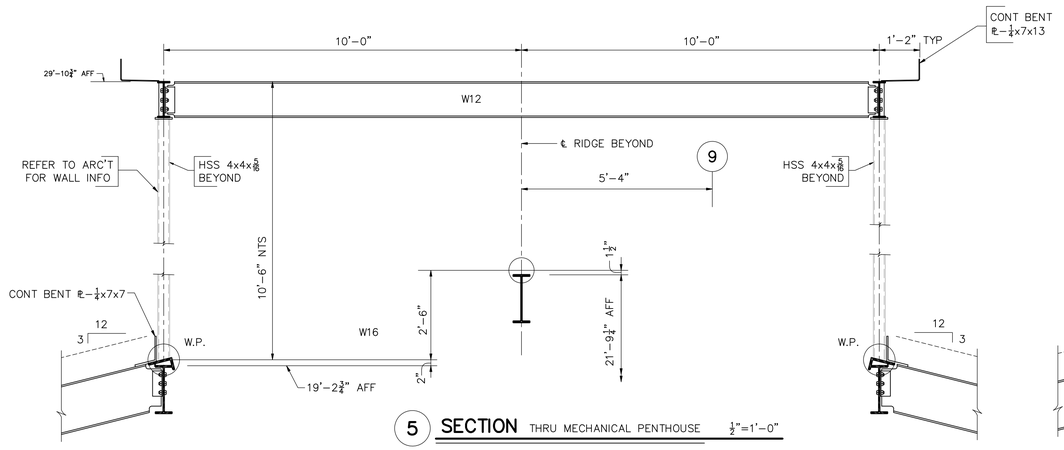


7 **DETAILS –** MOMENT CONNECTIONS NO SCALE

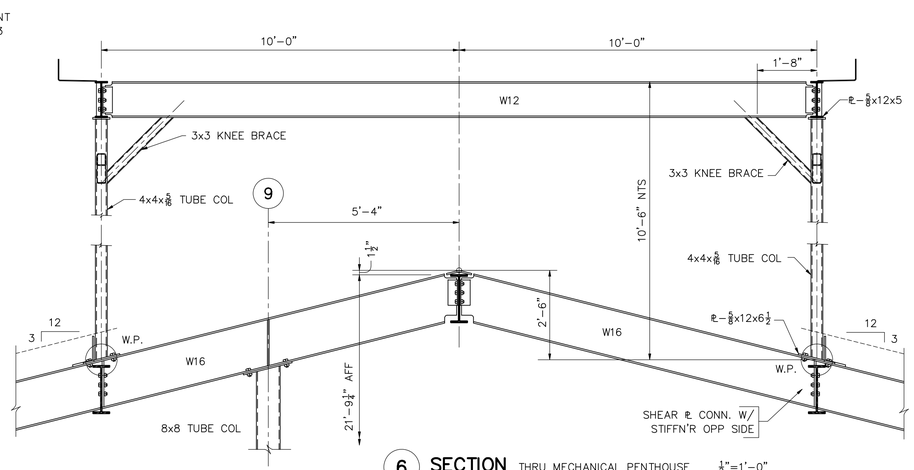


1 **SECOND FLOOR FRAMING PLAN** ⅛"=1'-0"

NOTES:
1. FINISH 2ND FLOOR ELEVATION 13'-4" ABOVE MAIN FLOOR.
2. SEE SECTIONS FOR ELEVATION TOP OF STEEL BELOW FINISH 2ND FLOOR.
3. "WX (XX)" DENOTES COMPOSITE BEAM. REFER TO COMPOSITE SLAB DETAILS FOR MORE INFORMATION
4. PROVIDE OPENINGS THRU FLOOR SLAB AS SHOWN ON MECHANICAL/PLUMBING DWGS. SEE DETAIL 2/S2.2 VERIFY ALL DIMENSIONS TO OPENINGS.
5. (M) ——— DENOTES MOMENT CONNECTION AT CANTILEVERED BEAM.
6. 'VF' DENOTES VERTICAL FRAME. REFER TO SHEETS S4.1, S4.2 W8 DENOTES W8x13 UNLESS NOTED OTHERWISE.
7. SEE ARCHITECTURAL DRAWINGS FOR TYPE, THICKNESS AND LOCATIONS OF ALL WALLS



5 **SECTION** THRU MECHANICAL PENTHOUSE ½"=1'-0"



6 **SECTION** THRU MECHANICAL PENTHOUSE ½"=1'-0"

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info@gmengrs.com

SECOND FLOOR KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL SECOND FLOOR FRAMING PLAN & DETAILS

BID AND CONSTRUCTION

S-2.2

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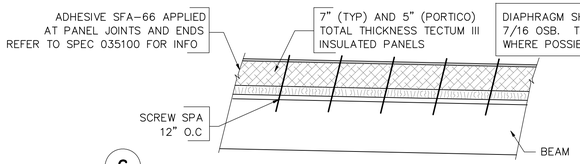
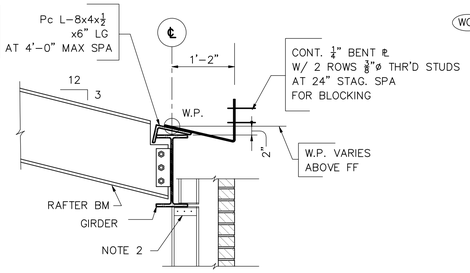


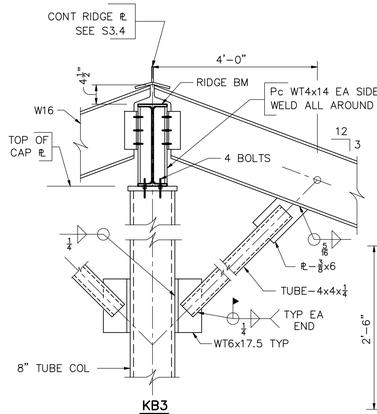
6 **DETAIL** TYPICAL ROOF CONSTRUCTION NO SCALE

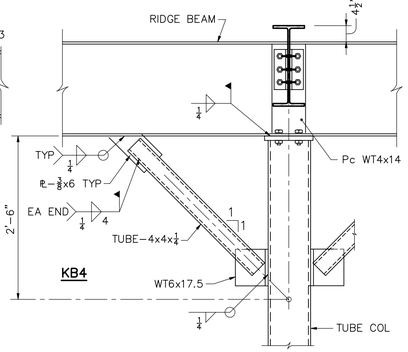
NOTES: 1. ATTACH DECK TO STEEL BEAMS USING 'TruFast SIP' TYPE 'HD' SCREWS. PREDRILLING IS REQUIRED FOR FLANGE THICKNESS $\frac{3}{8}$" OR GREATER. $1\frac{1}{2}$" MINIMUM PROJECTION.

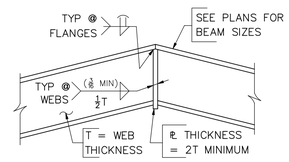


3 **SECTION** AT EAVE NO SCALE

NOTE: 1. SEE PLANS FOR BEAM SIZES AND BRACING.
2. TYPICAL WALL SECTION SHOWN- LIGHT GAUGE FRAMING W/DEFLECTION. DELEGATED DESIGN PER SPEC 054000 WALL SECTION DETAILS PER ARCH'T.





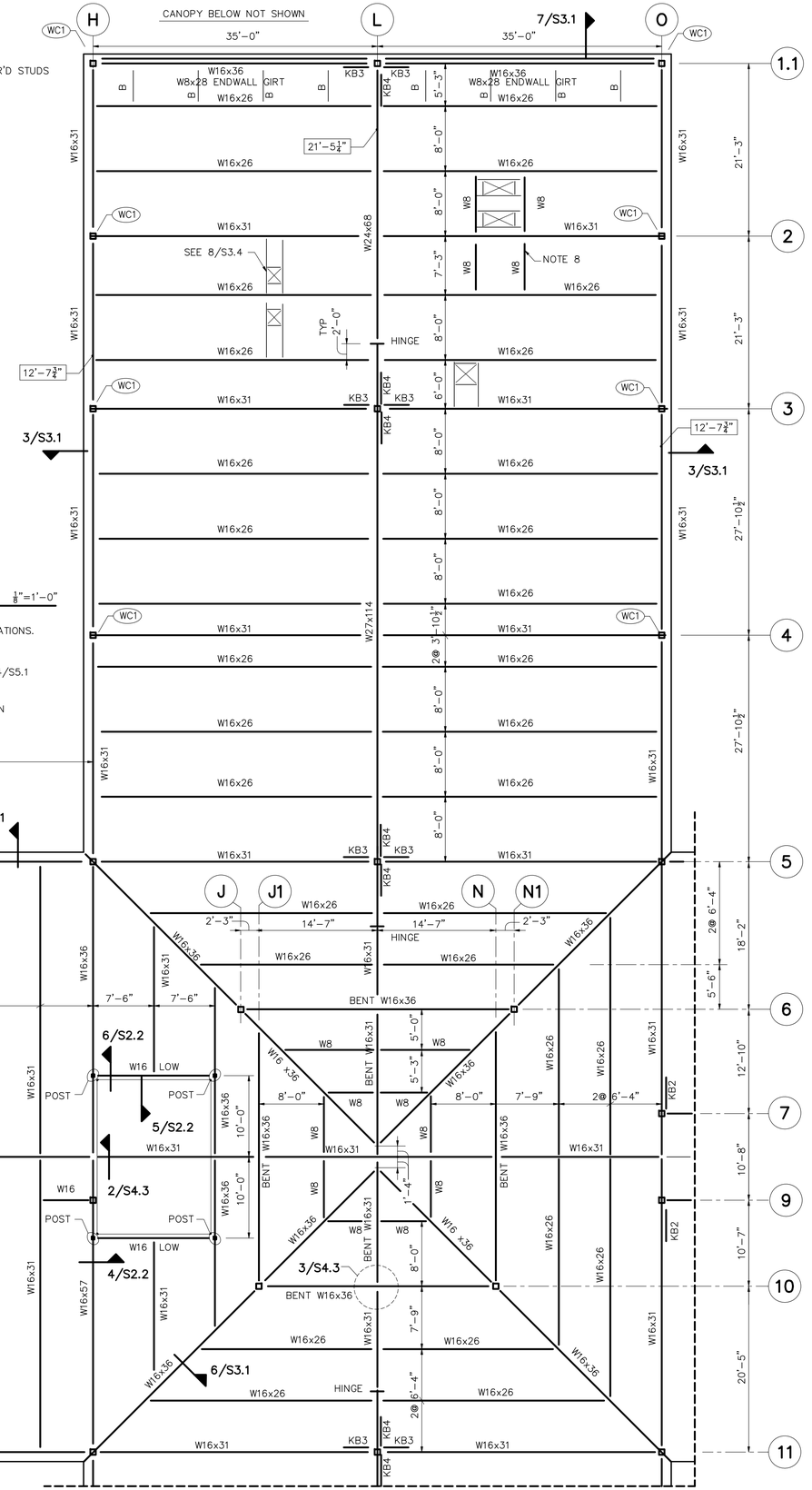


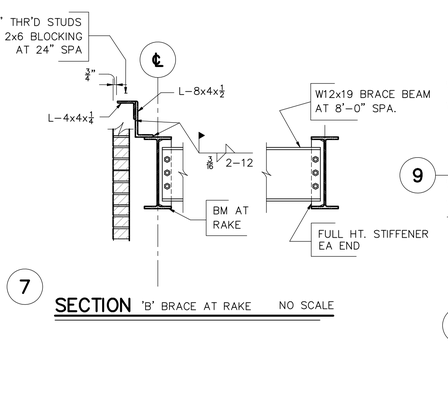
5 NOTE BUTT WELDS TO BE FULL PENETRATION

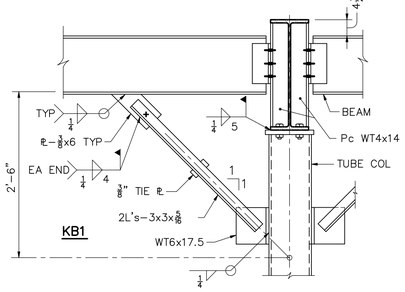
DETAIL- BENT BM SPLICE NO SCALE

1 **ROOF FRAMING PLAN** $\frac{1}{8}$"=1'-0"

NOTES: 1. FINISH FLOOR ELEVATION 00.00' U.O.N.
2. SEE SECTIONS AND DETAILS FOR TOP OF STEEL ELEVATIONS.
3. 'B' DENOTES BRACE BEAMS. SEE SECTIONS
4. No DENOTES ELEVATION TOP OF BEAM
5. (WC#) DENOTES COL CAP CONNECTION. REFER TO 4/S5.1
6. W8 DENOTES W8x13 BEAM U.N.O.
7. REFER TO 7/S3.4 FOR TYP HINGE CONNECTION
8. COORDINATE BEAM LAYOUT WITH RTU CURB LOCATION



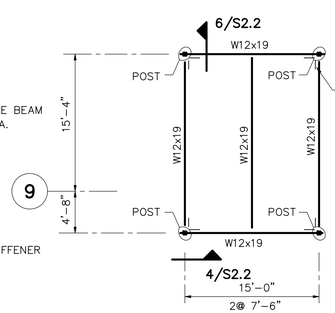




4 **KNEE BRACE DETAIL** NO SCALE

NOTES: 1. SEE PLAN FOR BEAM SIZES.
2. ALL DOUBLE ANGLES ARE LONG LEGS BACK-TO-BACK.
3. ALL ANGLES ARE TO BE WELDED AT EACH END TO PLATES OR WT'S ON BEAMS AND COLUMNS.
4. WELDS ARE TO BE THE LENGTH SHOWN ON ALL EDGES OF ANGLES. BOLTS ARE FOR ERECTION PURPOSES ONLY.
5. WELD BEAM TO CAP PLATE. DO NOT OMIT THIS WELD.

7 **SECTION** 'B' BRACE AT RAKE NO SCALE



2 **ROOF FRAMING PLAN** $\frac{1}{8}$"=1'-0"

NOTES: 1. SEE SECTIONS AND DETAILS FOR TOP OF STEEL ELEVATIONS.

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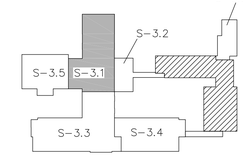

ROOF KEY PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 038335 WILLIAM T. EASTERLING
3/02/2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL ROOF FRAMING PLAN & DETAILS

BID AND CONSTRUCTION

S-3.1

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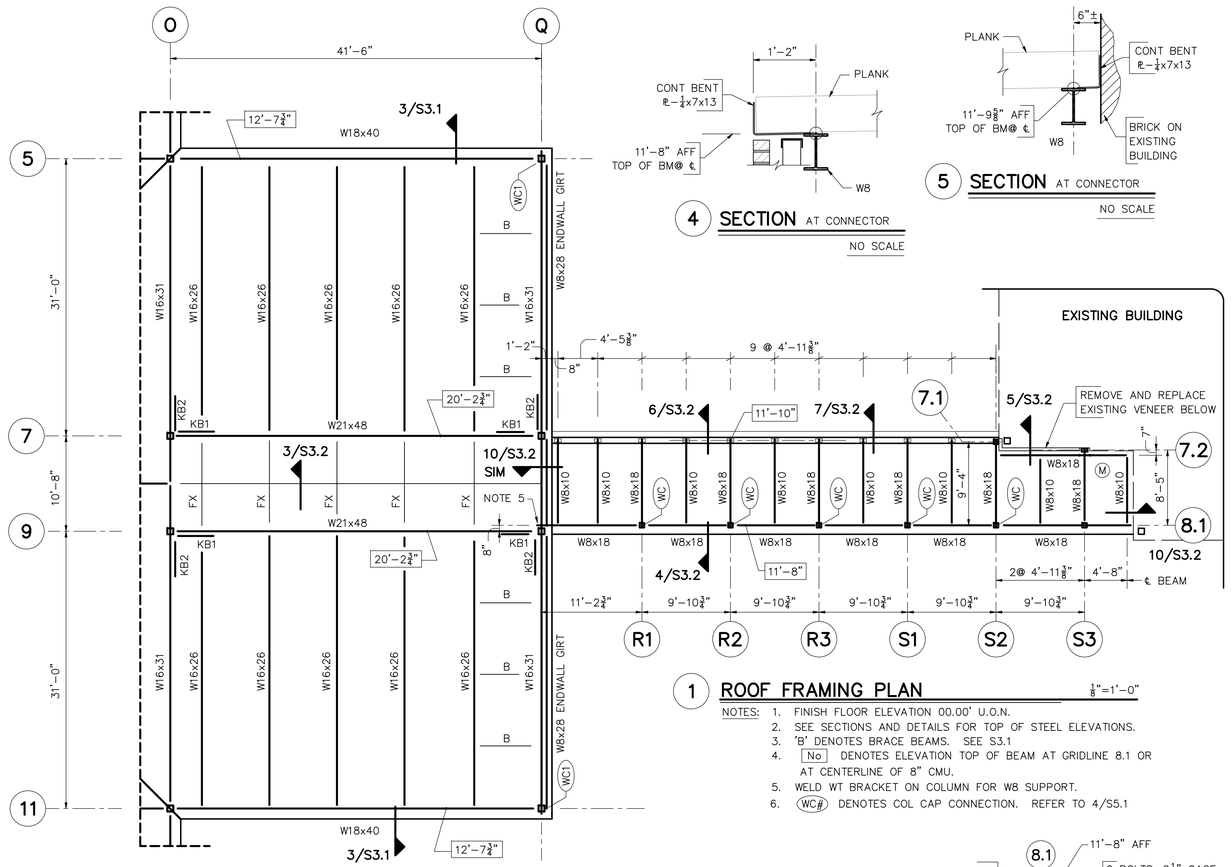


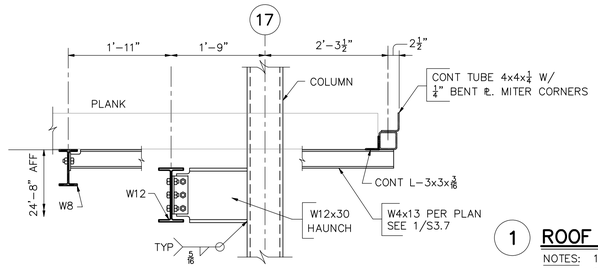
4 SECTION AT CONNECTOR

NO SCALE

5 SECTION AT CONNECTOR

NO SCALE

EXISTING BUILDING
4'-5⅜"
9 @ 4'-11⅜"
8"
1'-2"
6/S3.2
11'-10"
7/S3.2
7.1
5/S3.2
REMOVE AND REPLACE
EXISTING VENEER BELOW
7"
8'-5"
7.2
8.1
10/S3.2
W8x18
W8x10
W8x18
W8x10
W8x18
W8x10

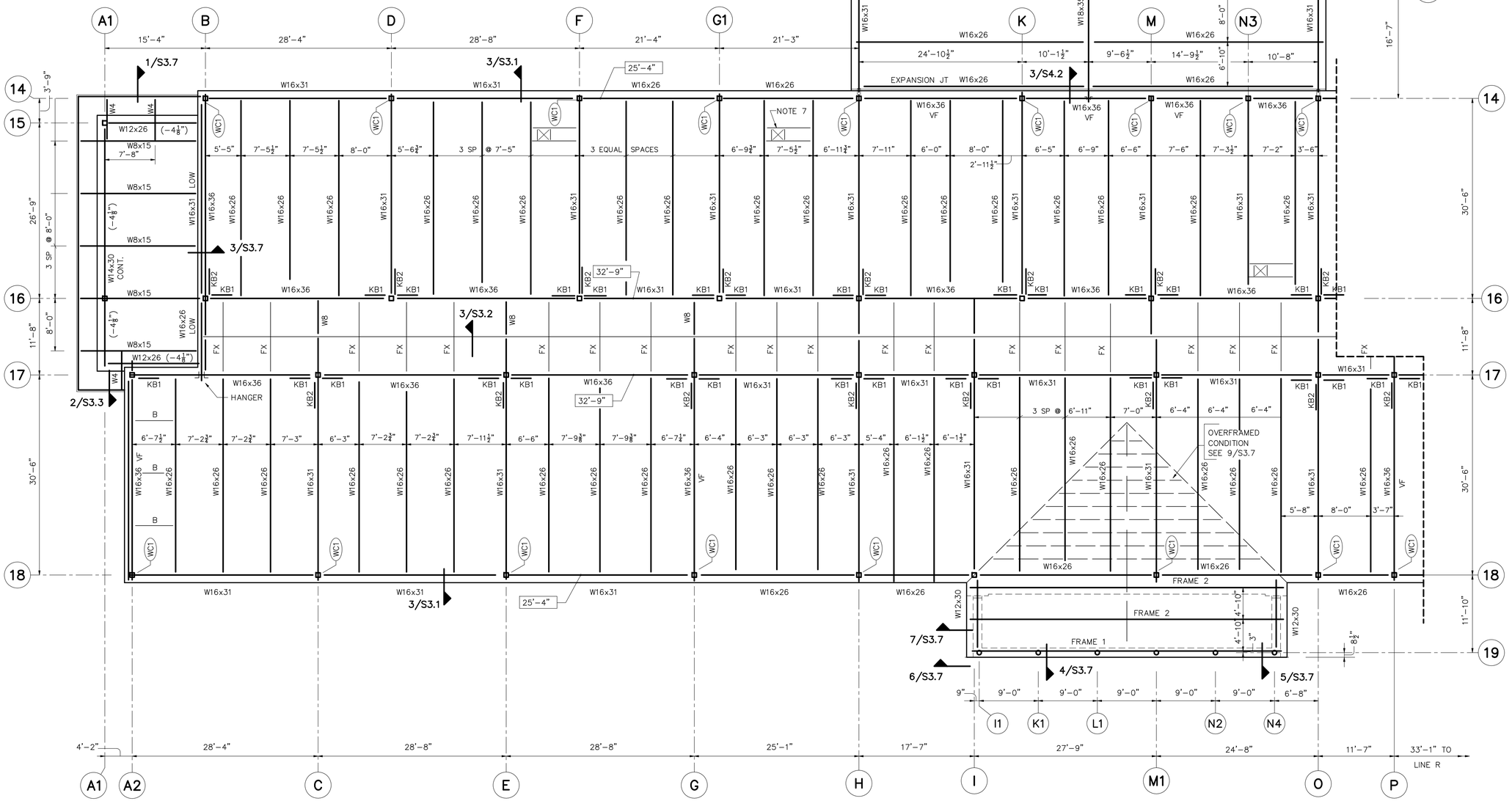


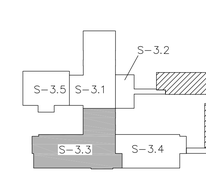
2 **SECTION** AT COL A.2/17

NO SCALE

1 **ROOF FRAMING PLAN** ⅛"=1'–0"

NOTES:
1. FINISH FLOOR ELEVATION 00.00' U.O.N.
2. SEE SECTIONS AND DETAILS FOR TOP OF STEEL ELEVATIONS.
3. 'B' DENOTES BRACE BEAMS. SEE S3.1
4. No DENOTES ELEVATION TOP OF BEAM
5. WC# DENOTES COL CAP CONNECTION. REFER TO 4/S5.1
6. W8 DENOTES W8x13 BEAM U.N.O.
7. INDICATES FRAMING FOR ROOF OPENING. SEE 8/S3.4





ROOF KEY PLAN

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 28335 WILLIAM T. EASTERLING 3/02/2020

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PARTIAL ROOF FRAMING PLAN & DETAILS

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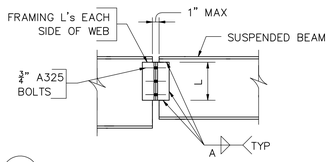
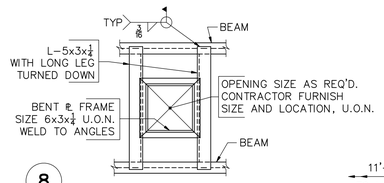


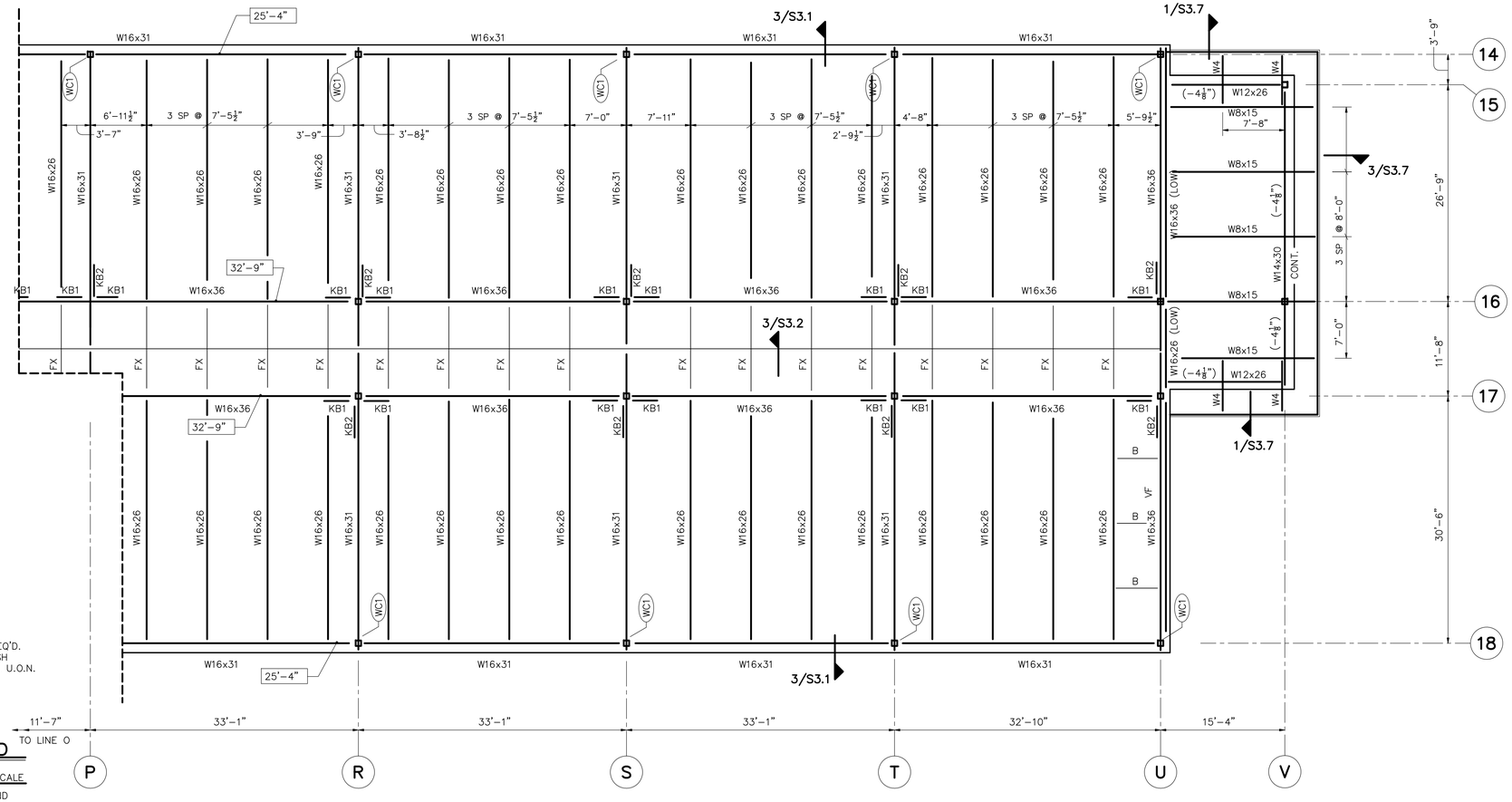
7 DETAIL – TYPICAL HINGE CONNECTION NO SCALE

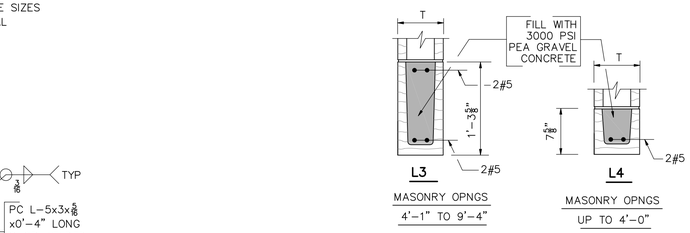
SUSPENDED BEAM SIZE	L	BOLTS			A
		NO	SIZE	TYPE	
W24, W21	14½	10	¾	A325	5/16
W18, W16	11½	8	¾	A325	¼
W14, W12	8½	6	¾	A325	¼
W10, W8	5½	4	¾	A325	5/16

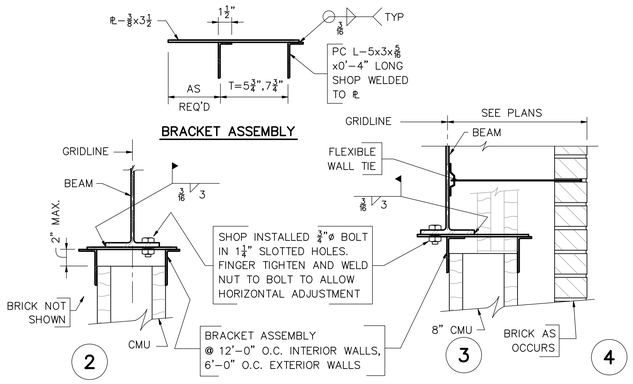


8 DETAIL – FRAMING AROUND ROOF OPENINGS NO SCALE

NOTE: PROVIDE ANGLE FRAME AND SUPPORTS AROUND ALL DUCT PENETRATIONS, POWER ROOF VENTILATORS, AND ASSOCIATED MECHANICAL ROOF OPENINGS. COORDINATE SIZES AND LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.



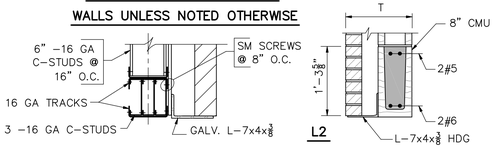




DETAILS – MASONRY WALL ANCHORAGE TO STEEL BEAMS

NOTES: NO SCALE

1. SHOP INSTALL BRACKETS LOOSE TO BEAM FLANGES SPACE BRACKETS TO AVOID OTHER STRUCTURAL MATERIAL. FIELD WELD ONCE MASONRY IS LAID.
2. THESE DETAILS APPLY TO ALL EXTERIOR MASONRY WALLS AND ALL INTERIOR MASONRY WALLS THAT ARE EXTENDED TO THE STRUCTURE ABOVE.



4 LINTEL DETAILS NO SCALE

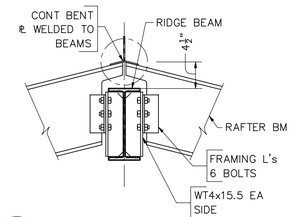
NOTES:

1. LINTELS SHALL BE PROVIDED FOR ALL OPENINGS IN WALLS, BOTH EXTERIOR AND INTERIOR. SEE ARCHITECT'S DRAWINGS FOR DIMENSIONS, HEAD HEIGHTS, WALL TYPES, ETC.
2. PROVIDE LINTELS FOR ALL LOUVER OPENINGS SIMILAR TO THOSE SHOWN. COORDINATE WITH TRADE REQUIRING OPENING.
3. FILL CELLS BELOW LINTEL BEARING FOR 3 COURSES WITH 3000 psi PEA GRAVEL CONCRETE TYPICAL.
4. FILL ALL CMU U–BLOCKS WITH PEA GRAVEL CONCRETE.
5. "T" DENOTES THICKNESS OF CMU WALL.
6. SUPPORT LINTELS ON GROUTED CMU 8" EACH END U.O.N.
7. ALL EXTERIOR STEEL TO BE HOT–DIPPED GALVANIZED.

1 ROOF FRAMING PLAN ⅛"=1'–0"

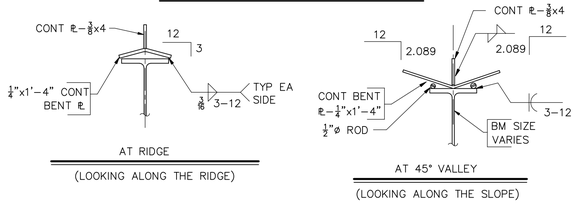
NOTES:

1. FINISH FLOOR ELEVATION 00.00' U.O.N.
2. SEE SECTIONS AND DETAILS FOR TOP OF STEEL ELEVATIONS.
3. 'B' DENOTES BRACE BEAMS. SEE SECTIONS
4. No DENOTES ELEVATION TOP OF BEAM
5. WC# DENOTES COL CAP CONNECTION. REFER TO 4/S5.1
6. W8 DENOTES W8x13 BEAM U.N.O.



6 DETAIL RIDGE NO SCALE

PROVIDE CONTINUOUS PLATES AT ALL RIDGE AND VALLEY LOCATIONS



5 DETAILS – RIDGE & VALLEY BEAMS SHOWING BENT PLATES FOR TECTUM BEARING

NOTES: NO SCALE

1. PROVIDE 2½x2½x¼ TUBE AT ENDS OF VALLEY BEAMS TO SUPPORT THE CONTINUOUS BENT PLATES SHOWN ABOVE.
2. EXTEND RIDGE AND VALLEY PLATES TO CORNERS, MITER AND BUTT WELD TO EAVE PLATES, EXPANSION JOINT PLATES OR OTHER RIDGE/VALLEY PLATES.
3. PROVIDE HOLES, STUDS AND BOLTS FOR PLATES SUPPORTING BLOCKING.

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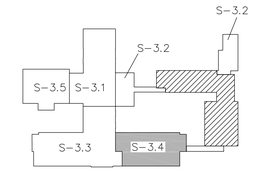

ROOF KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

PARTIAL ROOF FRAMING PLAN & DETAILS

BID AND CONSTRUCTION

S-3.4

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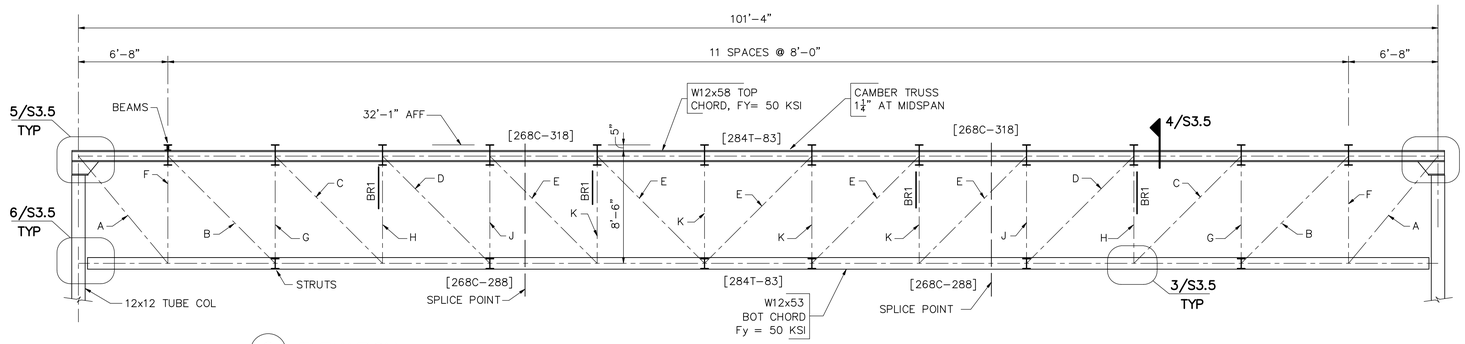


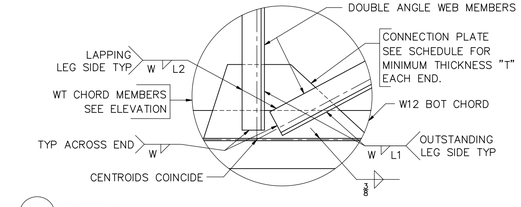
2 ELEVATION RIDGE TRUSS T1 — ⅜"=1'-0"

NOTES:

1. SEE SCHEDULE FOR MEMBER SIZES AND AXIAL DESIGN FORCES IN WEB MEMBERS.
2. CENTROIDS OF MEMBERS SHALL COINCIDE.
3. SUBMIT CONNECTION DETAILS FOR APPROVAL.
4. TRUSS SHALL BE FIELD SPLICED FOR SHIPPING AT LOCATIONS SHOWN. SUBMIT SPLICE CONNECTION DETAILS WITH CALCULATIONS FOR APPROVAL.
5. ALL ANGLES SHALL BE LONG LEGS BACK TO BACK.
6. PROVIDE TIE PLATES AT THIRD POINTS OF ALL WEB MEMBERS.
7. SUPPORT BEAMS FOR GOALS, SPEAKERS, ETC. TO BE FURNISHED AND INSTALLED BY EQUIPMENT CONTRACTOR.
8. [No–No] AT CHORD MEMBERS
   DENOTES DESIGN AXIAL FORCE IN Kips
   DENOTES DESIGN END MOMENT IN Kip Inches

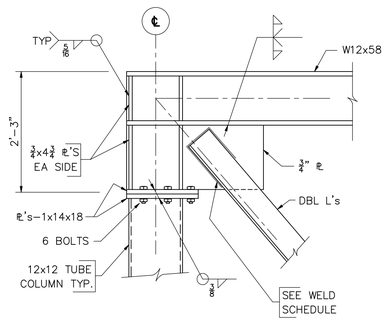
TRUSS MEMBER SCHEDULE – T1 CAMBER TRUSS 1¼"

MARK	AXIAL FORCE (kips)	END MOMENT (in kips)	DIAGONAL MEMBER SIZE	W (in)	L1 (in)	L2 (in)	MIN. ℄ "T" (in)	MARK	AXIAL FORCE (kips)	END MOMENT (in kips)	VERTICAL MEMBER SIZE	W (in)	L1 (in)	L2 (in)	MIN. ℄ "T" (in)
A	110	24	2L's–5x3½x½	8	9	5	¾	F	82	29	2L's–6x4x½	6	8	5	¾
B	98	31	2L's–5x3x½	8	9	5	¾	G	69	21	2L's–5x3½x½	8	8	5	¾
C	78	18	2L's–5x3x⅜	8	7	4	¾	H	55	19	2L's–5x3½x⅝	8	7	4	¾
D	58	16	2L's–5x3x⅜	8	5	3	¾	J	41	12	2L's–4x3x⅜	8	6	3½	½
E	40	17	2L's–4x3x⅜	8	5	3	½	K	26	10	2L's–4x3x⅜	8	5	3	½



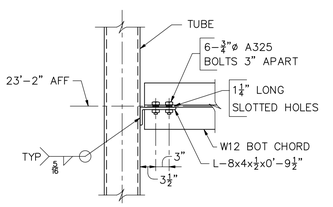
3 DETAIL WEB CONNECTION WELDING — NO SCALE

NOTE: SEE SCHEDULE FOR MEMBER SIZES AND WELDS.



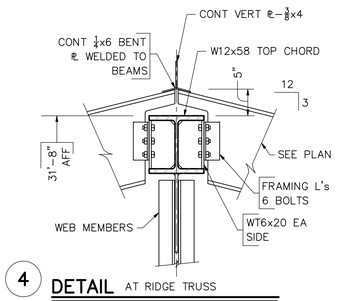
5 DETAIL TRUSS BEARING AT COLUMN — NO SCALE

NOTE: FLATTEN CAP AND BEARING PLATES AFTER WELDING.



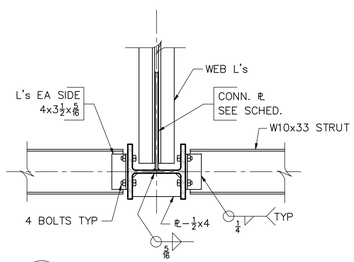
6 DETAIL AT BOTTOM CHORD — NO SCALE

NOTE: ONCE ROOFING IS INSTALLED, TIGHTEN BOLTS TO SLIP–CRITICAL TENSION.



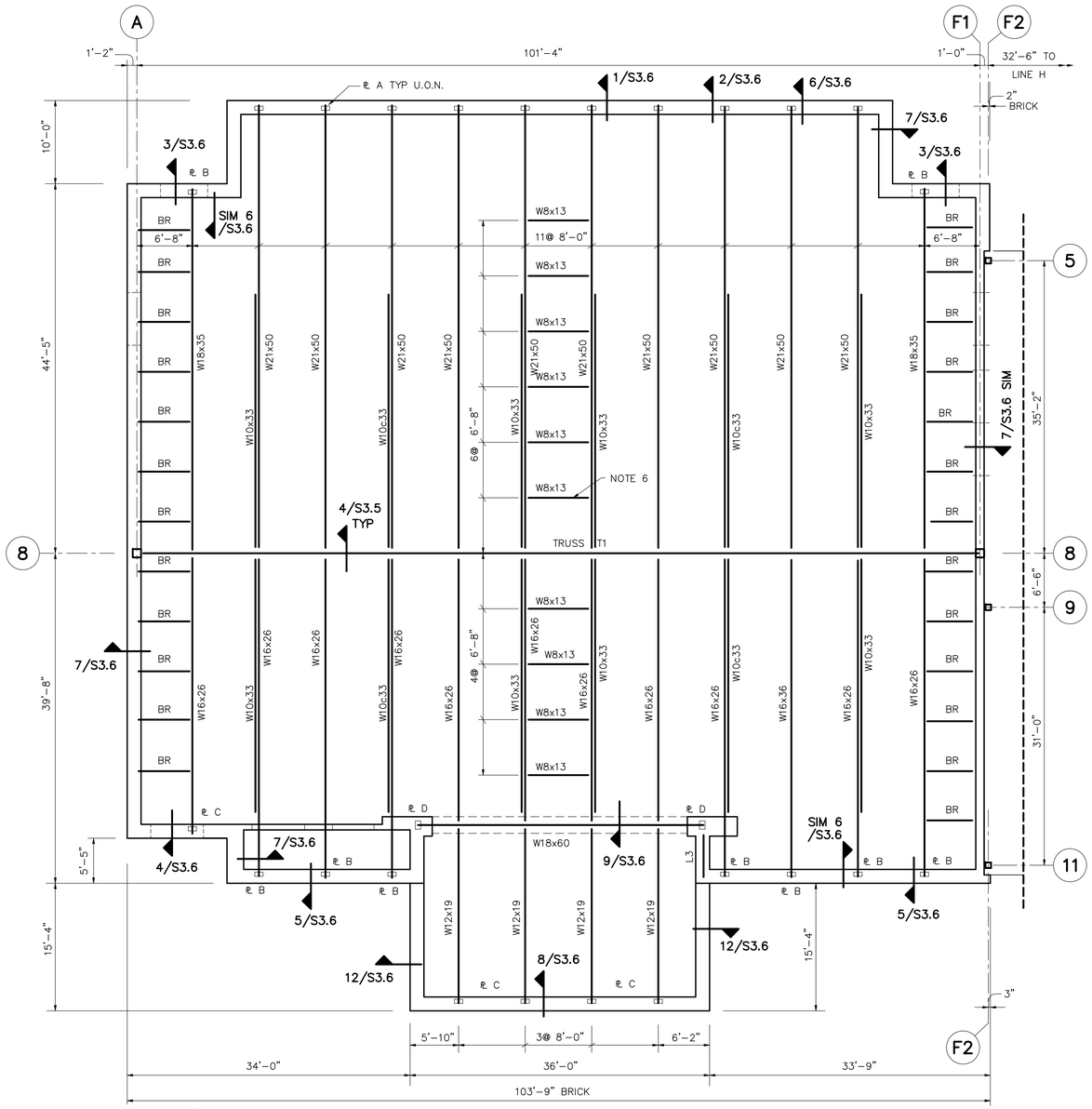
4 DETAIL AT RIDGE TRUSS

NO SCALE



7 DETAIL STRUT CONNECTION — ¾"=1'-0"

NOTES:



1 ROOF FRAMING PLAN — ⅛"=1'-0"

NOTES:

1. FINISH FLOOR ELEVATION 00.00' U.O.N.
2. SEE SECTIONS AND DETAILS FOR TOP OF STEEL ELEVATIONS.
3. 'BR' DENOTES BRACE BEAMS. SEE DETAIL 11/S3.6.
4. [No] DENOTES ELEVATION TOP OF BEAM
5. BEAM BEARING PLATE SIZES: ℄ A – 1x8x16 ℄ B – ¾x7x14 ℄ C – ¾x6x12 ℄ D – 1¼x10x14
6. DIVIDER CURTAIN SUPPORT BEAMS LOCATED AS SHOWN AND –4" BELOW ROOF DECK. REFER TO ARCH'T FOR MORE INFO

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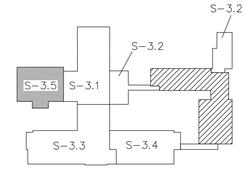
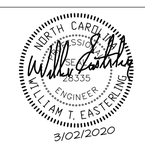


ROOF KEY PLAN



NO.	DATE	DESCRIPTION
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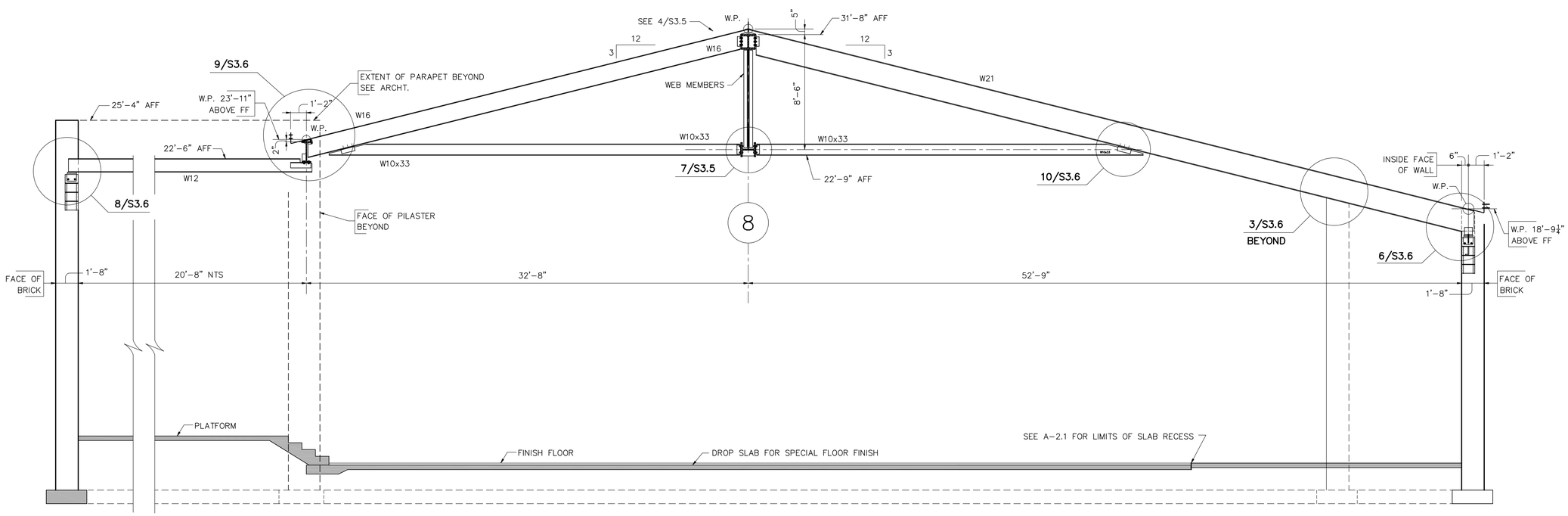
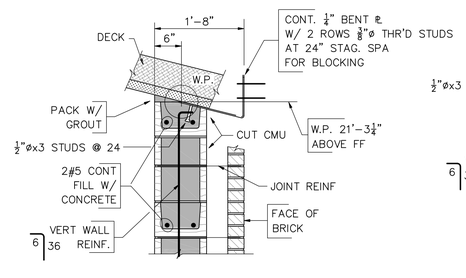


1 BUILDING SECTION – GYMNASIUM AT MID-COURT ¼"=1'-0"

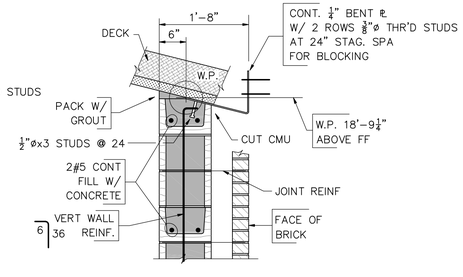
NOTES:
1. FINISH FLOOR ELEVATION 00.00' U.O.N.
2. SEE SECTIONS AND DETAILS FOR TOP OF STEEL ELEVATIONS. AND WORKING POINTS.

9 SECTION ROOF DROP AT PLATFORM ¾"=1'-0"

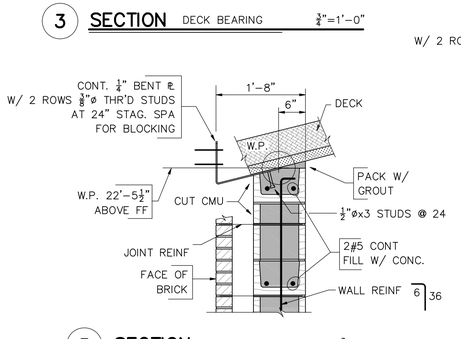
6 SECTION RAFTER BEARING ¾"=1'-0"



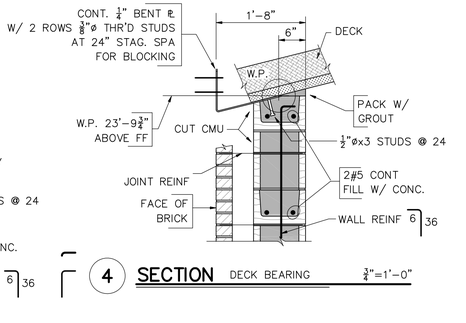
3 SECTION DECK BEARING ¾"=1'-0"



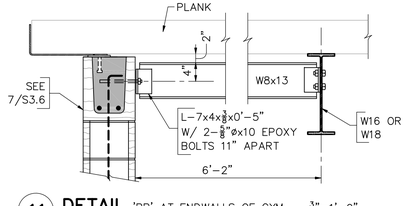
2 SECTION DECK BEARING ¾"=1'-0"



5 SECTION DECK BEARING ¾"=1'-0"

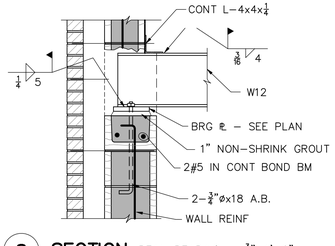


4 SECTION DECK BEARING ¾"=1'-0"

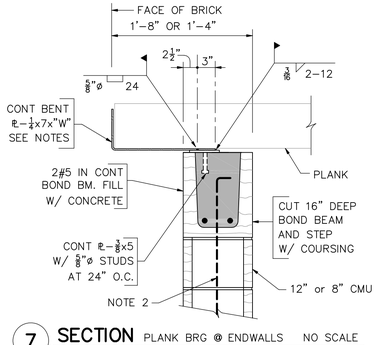


11 DETAIL 'BR' AT ENDWALLS OF GYM ¾"=1'-0"

NOTES:
1. PROVIDE HOLES FOR BLOCKING IN BENT ℄ AS PER ARCHITECT'S DRAWINGS.
2. VERTICAL REINFORCING BARS IN GROUTED CELLS AS SPECIFIED. PROVIDE STD HOOKS IN BOND BEAM @ TOP OF WALL.

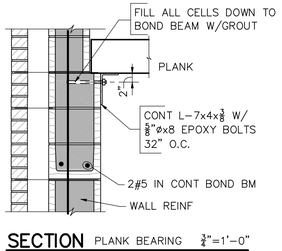


8 SECTION BEAM BEARING ¾"=1'-0"

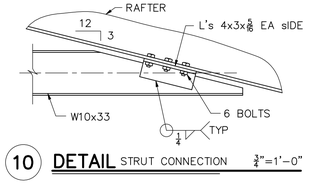


7 SECTION PLANK BRG @ ENDWALLS NO SCALE

NOTES:
1. PROVIDE HOLES FOR BLOCKING IN BENT ℄ AS PER ARCHITECT'S DRAWINGS.
2. VERTICAL REINFORCING BARS IN GROUTED CELLS AS SPECIFIED. PROVIDE STD HOOKS IN BOND BEAM @ TOP OF WALL.



12 SECTION PLANK BEARING ¾"=1'-0"



10 DETAIL STRUT CONNECTION ¾"=1'-0"

KEY PLAN

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

GARDNER & McDANIEL
CONSULTING ENGINEERS
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NORTH CAROLINA PROFESSIONAL SEAL 28335 ENGINEER WILLIAM T. EASTERLING
3/02/2020

NO.	DATE	DESCRIPTION
1		
2		
3		
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SECTIONS & DETAILS

BID AND CONSTRUCTION

S-3.6

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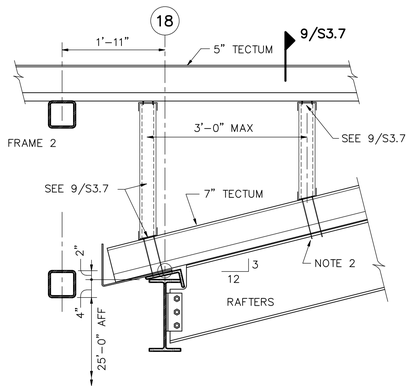
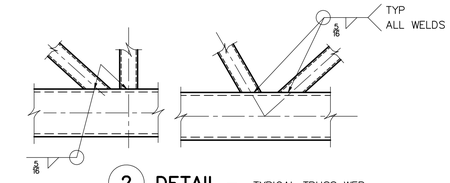


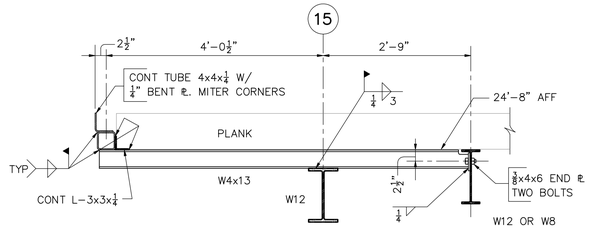
8 **SECTION** AT OVER-FRAMED AREA $\frac{3}{4}$"=1'-0"

NOTES: 1. LOCATE STUD WALLS 36" APART MAXIMUM.
2. SCREW BOTTOM TRACK THRU DECK USING TWO FASTENERS AT EACH RAFTER THROUGH BEAM FLANGE AS PER 6/S3.1. ELSEWHERE FASTEN WITH #9 x1$\frac{1}{2}$" DECK SCREWS AT 12" SPA

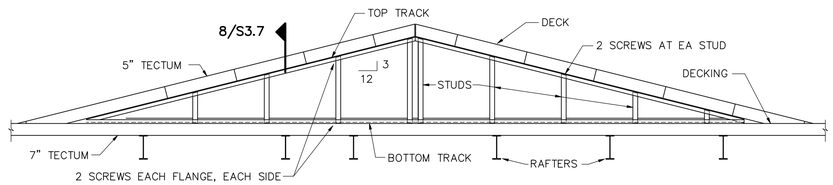


2 **DETAIL** — TYPICAL TRUSS WEB

MEMBER CONNECTION NO SCALE

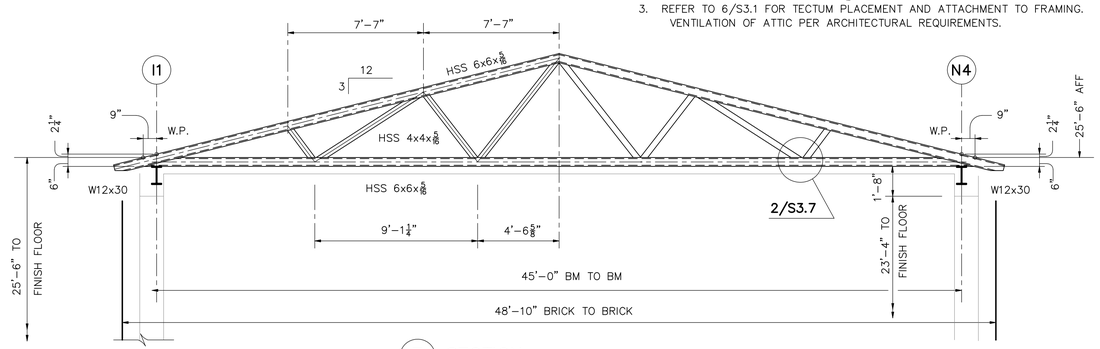


1 **SECTION** FLAT ROOF AT STAIR 1 & 3 $\frac{3}{4}$"=1'-0"

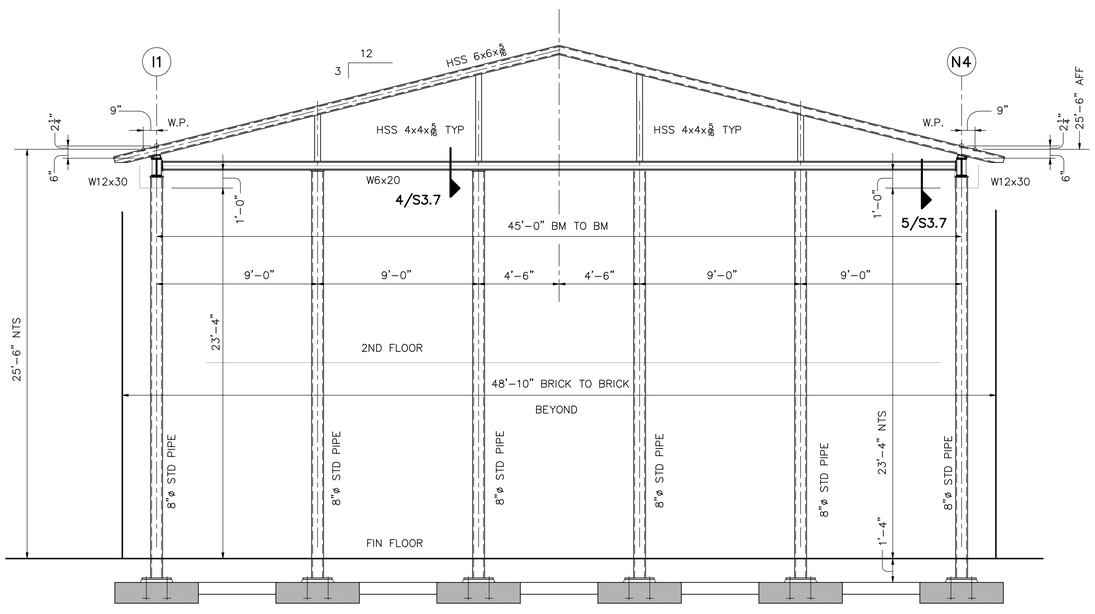


9 **SECTION** OVERFRAMED LIGHT-GAGE FRAMING NO SCALE

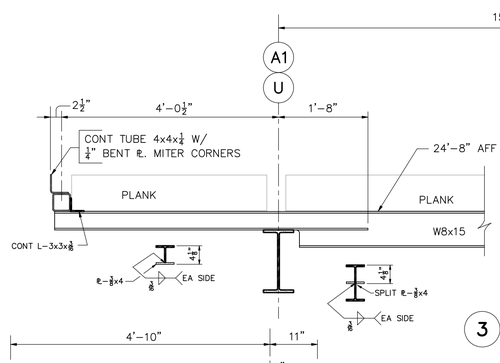
NOTES: 1. SPACE STUD WALLS TO BEAR ON SHEATHING LAYER OF NEW DECK. SEE 8/S3.7
2. LIGHT-GAGE FRAMING MEMBERS TO THE FOLLOWING SIZES:
STUDS SPACE 24" O.C. MAX – 18 GA 4"x1⅝" CEE STUDS
TOP TRACK – 18 GA 4"x 1½" DEEP
BOTTOM TRACK – 18 GA 4"x 1½" DEEP TRACK WITH LEGS SKEWED 3 ON 12.
3. REFER TO 6/S3.1 FOR TECTUM PLACEMENT AND ATTACHMENT TO FRAMING. VENTILATION OF ATTIC PER ARCHITECTURAL REQUIREMENTS.



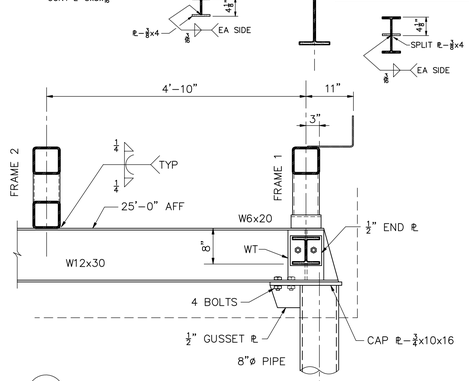
7 **SECTION** ENTRANCE CANOPY – FRAME 2 $\frac{1}{4}$"=1'-0"



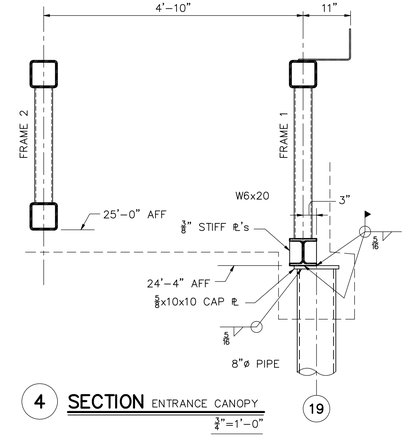
6 **SECTION** ENTRANCE CANOPY FRAME 1 $\frac{1}{4}$"=1'-0"



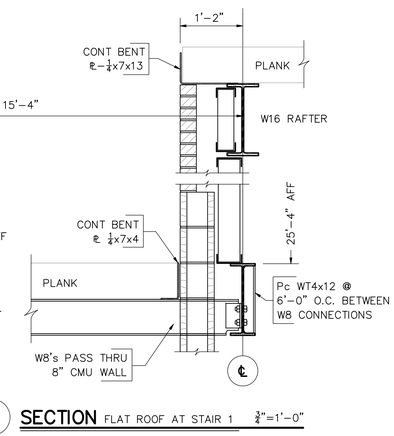
3 **SECTION** FLAT ROOF AT STAIR 1 $\frac{3}{4}$"=1'-0"



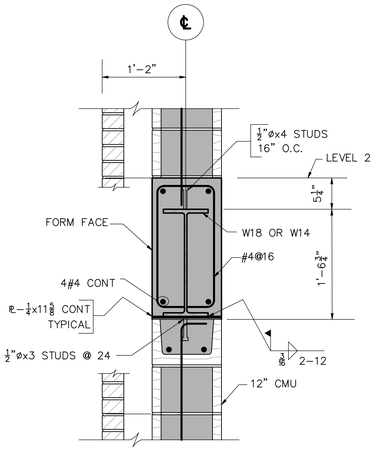
5 **SECTION** ENTRANCE CANOPY $\frac{3}{4}$"=1'-0"



4 **SECTION** ENTRANCE CANOPY $\frac{3}{4}$"=1'-0"



3 **SECTION** FLAT ROOF AT STAIR 1 $\frac{3}{4}$"=1'-0"



10 **SECTION** LEVEL 2 AT STAIR NO SCALE

SZOSTAK DESIGN

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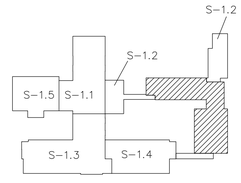

KEY PLAN

NO.	DATE	DESCRIPTION
1		
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SECTIONS & DETAILS

BID AND CONSTRUCTION

S-3.7

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GENERAL NOTES

GENERAL

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
2. "U.O.N." MEANS "UNLESS OTHERWISE NOTED".
3. DESIGN LIVE LOADS:
   ROOF AREAS: OVER MECHANICAL ROOMS . . . . . 40 PSF
   OTHER ROOFS . . . . . 20 PSF
   FLOORS:
   INTERIOR SLABS ON GRADE . . . . . 100 PSF
   FRAMED CORRIDORS. . . . . 80 PSF
   FRAMED CLASSROOMS. . . . . 50 PSF
   ROOF SNOW LOAD:
   Pf = 7.7 PSF Ce = 1.0 Is = 1.10 Ct = 1.0
   Pd = 23.8 DRIFT WIDTH w = 6.2 FT

   WIND DESIGN DATA:
   ULTIMATE WIND VELOCITY Vult = 149 MPH NOMINAL Vasd = 116 MPH
   WIND EXPOSURE CATEGORY C RISK CAT III
   INTERNAL PRESSURE COEFFICIENTS GCpi = +/- 0.18
   COMPONENT & CLADDING PRESSURES (PSF) 10 SF & UNDER

ZONE:	1	2	3	4	5
	19.6	19.6	19.6	33.9	33.9
	−31.1	−54.1	−79.9	−36.8	−45.4

   SEISMIC DESIGN DATA:
   BASIC SEISMIC FORCE RESISTING SYSTEM − BUILDING FRAME
   ANALYSIS PROCEDURE − EQUIVALENT LATERAL FORCE
   SITE CLASS D Ss = .40 S1 = .15 Ie = 1.25
   Sds = .40 Sd1 = .22
   RISK CAT III SEISMIC DESIGN CATEGORY D
   Ra = 3.25 Cs =0.152
   DESIGN BASE SHEARS:
   2−STORY CLASSROOM: 342 KIPS
   1−STORY CLASSROOM/MULTI: 135 KIPS
   GYMNASIUM: 103 KIPS
   CLASSROOM ADDITION: 22 KIPS

4. MAXIMUM UNIT WEIGHTS FOR FOLLOWING MATERIALS:
   NORMAL CONCRETE NOT OTHERWISE NOTED . . . . . .150 PCF
5. ALL SAFETY REGULATIONS TO BE FOLLOWED STRICTLY. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS CONTRACTOR'S RESPONSIBILITY. CONSULT ARCHITECT IN CASE OF QUESTIONS.
6. STRUCTURAL FRAME TO BE BRACED UNTIL ERECTION IS COMPLETE AND PERMANENT CONNECTIONS, BRACING MEMBERS OR STEEL BRACINGS ARE INSTALLED.
7. ALL LINTELS TO BEAR 8" EACH SIDE OF OPENING, U.O.N.

FOUNDATIONS

1. ALLOWABLE SOIL PRESSURE 2500 PSF MINIMUM, TO BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION.
2. FOOTINGS SHALL BE CARRIED TO LOWER ELEVATION THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE ARCHITECT TO REACH FIRM SOIL.
3. WALLS ACTING AS RETAINING WALLS SHALL NOT BE BACKFILLED WITHOUT BRACING UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND AT ADEQUATE STRENGTH.
4. COMPACT ALL FILL UNDER BUILDING TO 98% MAXIMUM DENSITY AS DETER−MINED BY ASTM D698. PLACE IN LAYERS 8" MAXIMUM LOOSE THICKNESS. VERIFY FIELD DENSITY, ASTM D1556, WITH AT LEAST ONE TEST PER 2000 SQ FT PER LAYER.

CONCRETE

1. CONCRETE COMPRESSIVE STRENGTH IN 28 DAYS:
   LIGHTWEIGHT STRUCTURAL CONCRETE (118 PCF DENSITY) . . . . 4000 PSI
   ALL OTHER CONCRETE . . . . . 3000 PSI
2. REINFORCING: ASTM A615 − STIRRUPS AND TIES GRADE 40 − ELSEWHERE GRADE 60, U.O.N. ALL REINF. TO BE ASTM A706 WHERE WELD−ING SHOWN ON DWGS.
3. GROUT UNDER BASE PLATES TO BE NON−SHRINK HIGH−STRENGTH TYPE.
4. BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP ALL SPLICES 48 TIMES THE BAR DIAMETER, U.O.N.
5. CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL:
   CAST IN PLACE AND PRECAST CONCRETE:
   SLABS . . . . . 3/4"
   WALLS AND COLUMNS. . . . . 2"
   FOOTINGS . . . . . .3"
   SLABS EXPOSED TO EARTH AND WEATHER. . . . . 1 1/2"
6. PROVIDE WIRE MESH IN ALL SLABS ON GROUND 1 1/2" FROM TOP OF SLAB:
   4" SLABS . . . . . 6x6−W1.4xW1.4
   5" AND 6" SLABS . . . . . 6x6−W4.0xW4.0
7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FAR ENOUGH IN ADVANCE OF THE TIME EACH CONCRETE POUR IS TO BE MADE TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT IN ADVANCE OF THE TIME THAT 90% OF THE STEEL HAS BEEN PLACED.
8. PROVIDE CHAMFERS AS NOTED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS.
9. PROVIDE INSERTS FOR BLOCKING AND MASONRY TIES AS SHOWN ON ARCH'T DWGS.

STRUCTURAL STEEL

1. STRUCTURAL STEEL: ROLLED SECTIONS −ASTM A992. ANGLES, CHANNELS AND PLATE − ASTM A36. TUBES − ASTM A500 GRADE B, Fy=46 ksi
2. DESIGN, FABRICATION AND ERECTION: AISC SPECIFICATIONS FOR BUILDINGS.
3. CONNECTIONS NOT DETAILED SHALL BE DESIGNED FOR LOADS SHOWN ON DRAWINGS OR FOR LOADS GIVEN IN STANDARD AISC LOAD TABLES FOR SPAN, SECTION AND STRENGTH SPECIFIED. SHOP CONNECTIONS: WELDED. FIELD CONNECTION: 3/4" BOLTS, ASTM A325. TIGHTEN TO A MINIMUM TORQUE TO PULL MATING SURFACES INTO CONTACT, PER ASTM A325 SPECS.
4. WELDS SHALL BE MADE ONLY BY OPERATORS CERTIFIED BY THE STANDARD QUALIFICATION PROCEDURE OF THE AMERICAN WELDING SOCIETY FOR TYPE OF WELD REQUIRED. USE E70XX SERIES ELECTRODES FOR ALL WELDS.
5. PROVIDE ERECTION BOLTS AS REQUIRED FOR WELDED CONNECTIONS. ERECTION BOLTS EXPOSED OUTSIDE SHALL BE REMOVED AND HOLES PLUGGED AS DIRECTED BY ARCHITECT. GRIND IF REQUIRED.
6. RETURN ALL WELDS AT CORNERS TWICE THE NOMINAL SIZE OF THE WELD MINIMUM.
7. WHERE PLATES ARE FILLET WELDED TO MEMBERS AND NO WELD SIZE IS SPECIFIED PROVIDE FULL LENGTH FILLET WELDS BOTH SIDES OF PLATE. WELD SIZES SHALL BE AS FOLLOWS:

PL THICKNESS (In)	1/8	1/4	5/16	3/8	7/16	1/2	9/16	5/8
WELD SIZE (In)	3/16	3/16	1/4	1/4	1/4	5/16	3/8	7/16

8. ANCHOR RODS − ASTM A307, Fy=36 ksi OR F1554 GR 36

STRUCTURAL MASONRY

1. LOAD−BEARING MASONRY PIERS AND WALLS, MASONRY RETAINING WALLS, FOUNDATION WALLS, PLANTER WALLS, SCREEN WALLS AND ALL EXTERIOR MASONRY WALLS ARE CONSIDERED HERE TO BE STRUCTURAL MASONRY.
2. COMPRESSIVE STRENGTH OF MASONRY UNITS:
   SOLID CLAY UNITS . . . . . 6000 PSI
   CONCRETE UNITS . . . . . 1900 PSI ON NET AREA
3. MORTAR − TYPE S ASTM C270.
4. GROUT FOR REINF. MASONRY − 3000 PSI ASTM C476 COARSE GROUT. MAXIMUM HEIGHT TO WHICH MASONRY SHALL BE LAID BEFORE FILLING IS 6 FEET. PROVIDE CLEANOUT OPENINGS AT THE BOTTOM OF EACH GROUT LIFT. CLEANOUT OPENINGS SHALL BE PROVIDED AT EACH CELL TO BE FILLED WITH GROUT.
5. REINFORCING GRADE AND DETAILS AS FOR CONCRETE. TIE IN POSITION AND PLACE GROUT AROUND REINFORCING DURING CONSTRUCTION OF MASONRY. DO NOT PUSH REINF. DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET ANCH BOLTS SIMILARLY. TIE WYTHES WITH HORIZONTAL REINF. AS SPECIFIED.

COLD FORMED METAL FRAMING

1. ALL COLD FORMED LIGHT GAUGE METAL FRAMING AND CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER'S ENGINEER. CONTRACTOR SHALL SUBMIT SEALED CALCULATIONS FOR ALL COLD FORMED METAL FRAMING.
2. ALL MEMBERS USED IN EXTERIOR WALLS SHALL BE 18 GAUGE MINIMUM. ALL MEMBERS SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI.
3. SUBMIT SHOP DRAWINGS FOR ALL FRAMING USED TO SUPPORT CEILINGS AND EXTERIOR CLADDING. SHOP DRAWINGS SHALL INDICATE PLACEMENT OF ALL MEMBERS SHOWING TYPE, SIZE, GAUGE, NUMBER, LOCATION, SPACING. ALSO INDICATE STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
4. SHOP DRAWINGS SHALL SHOW SIZE AND LENGTH OF WELDS, TYPE, SIZE NUMBER OF SCREWS AS PER APPLICATION. SUBMIT MANUF'RS DATA FOR STRENGTH VALUES OF ALL SCREWS USED.
5. SHOP DRAWINGS SUBMITTED MUST BE PREPARED UNDER THE SUPERVISION AND SEALED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER.

STATEMENT OF SPECIAL INSPECTIONS:

CONSTRUCTION OF THIS PROJECT SHALL BE MONITORED IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 17, SECTION 1704 OF THE NORTH CAROLINA BUILDING CODE. REFER TO TABLES IN THE CODE FOR REFERENCED STANDARDS. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL SPECIAL INSPECTION REQUIREMENTS.

EARTHWORK CONSTRUCTION

	VERIFICATION OR INSPECTION	CONTINUOUS	PERIODIC
1	PRIOR TO PLACEMENT OF FILL, VERIFY PREPARATION OF SUBGRADE TO BE IN COMPLIANCE WITH SPECIFICATIONS AND GEOTECHNICAL RECOMMENDATIONS.		X
2	PERFORM CLASSIFICATION AND TESTING OF MATERIALS TO BE USED FOR CONTROLLED FILL.		X
3	VERIFY THE USE OF APPROVED MATERIALS, LIFT THICKNESS, AND DENSITIES DURING PLACEMENT OF CONTROLLED FILL. PERFORM COMPACTION TESTS PER SPECIFICATIONS. TO PLACEMENT AND DURING CASTING.	X	
4	VERIFY FOUNDATION EXCAVATIONS EXTEND TO THE PROPER DEPTH AND TERMINATE AT APPROVED BEARING MATERIAL. TEST SUBGRADE FOR DESIGN BEARING CAPACITY.		X

CONCRETE CONSTRUCTION

	VERIFICATION OR INSPECTION	CONTINUOUS	PERIODIC
1	VERIFY CONCRETE IS IN CONFORMANCE WITH THE APPROVED MIX DESIGN		X
2	INSPECTION OF REINFORCING STEEL INCLUDING BAR SIZE, QUANTITY, SPACING AND PLACEMENT. VERIFY CLEARANCE TO FORMS OR SUBGRADE.		X
3	INSPECTION OF ALL ITEMS TO BE EMBEDDED IN CONCRETE TO INCLUDE ANCHOR RODS, WELD PLATES, INSERTS AND SLEEVES. INSPECT PRIOR TO PLACEMENT AND DURING CASTING.	X	
4	AT THE TIME OF PLACEMENT, TAKE SAMPLES TO VERIFY SLUMP, AIR CONTENT AND TEMPERATURE. MAKE CYLINDERS FOR STRENGTH TESTS PER THE PROJECT SPECIFICATIONS.	X	
5	OBSERVE CONCRETE PLACEMENT FOR PROPER TECHNIQUE. VERIFY FORMWORK IS STABLE ENOUGH TO RESULT IN DIMENSIONAL ACCURACY OF THE CONCRETE BEING FORMED INCLUDING LOCATION AND ORIENTATION OF EMBEDS.	X	

STRUCTURAL STEEL CONSTRUCTION

	VERIFICATION OR INSPECTION	CONTINUOUS	PERIODIC
1	VERIFY STEEL FABRICATOR HAS AN ESTABLISHED IN−HOUSE QUALITY CONTROL PROGRAM THAT ENSURES COMPLIANCE WITH THE AISC CODE OF STANDARD PRACTICE, WITH REGULAR INSPECTION OF FABRICATED COMPONENTS. INSPECTIONS SHALL DEMONSTRATE COMPLIANCE WITH CONSTRUCTION DOCUMENTS AND ALL AWS AND AISC STANDARDS.		X
2	REVIEW SUBMITTALS OF MATERIAL PROPERTIES, BOLT CERTIFICATIONS, WELDING ELECTRODES, ETC., TO ENSURE COMPLIANCE WITH PROJECT SPECIFICATIONS.		X
3	MONITOR BOLT INSTALLATION TO ENSURE COMPLIANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 AND A490 BOLTS" IN BEARING TYPE CONNECTIONS. VERIFY SNUG−TIGHT CONDITIONS, PLIES ARE PULLED TOGETHER, AND FULL NUT OF THREAD ENGAGEMENT.		X
4	INSPECTION OF SINGLE PASS FILLET WELDS LESS THAN 5/16 INCH, WELDING OF FRAMING, STAIR COMPONENTS, AND ALL OTHER FIELD WELDING REQUIRED ON THE PROJECT. VERIFY USE OF PROPER ELECTRODES, WELDING PROCEDURES, PREHEATING, AND COMPLIANCE WITH ALL AWS STANDARDS.		X
5	INSPECTION OF MULTI−PASS FILLET WELDS GREATER THAN 5/16 INCH, FULL OR PARTIAL PENETRATION GROOVE WELDS, OTHER WELDS SO INDICATED ON THE DRAWINGS. VERIFY THE USE OF PROPER ELECTRODES, MATERIAL PREHEATING, AND COMPLIANCE WITH ALL AWS STANDARDS.	X	

MASONRY CONSTRUCTION

	VERIFICATION OR INSPECTION	CONTINUOUS	PERIODIC
1	COLLECT MIX DESIGNS FOR MORTAR, GROUT, CERTIFICATES OF CONFORMANCE FOR MASONRY CONSTITUENTS IN ORDER TO ENSURE COMPLIANCE WITH PROJECT SPECIFICATIONS		X
2	PERIODIC INSPECTION OF SITE PREPARED MORTAR, SITE PREPARED GROUT. CONTINUOUS VERIFICATION OF SLUMP FLOW AND VSI DURING GROUT DELIVERY		X
3	PERIODIC INSPECTION OF MORTAR JOINTS, PRIOR AND DURING MASONRY CONSTRUCTION. AND A490 BOLTS" IN BEARING TYPE CONNECTIONS. VERIFY SNUG−TIGHT CONDITIONS, PLIES ARE PULLED TOGETHER, AND FULL NUT OF THREAD ENGAGEMENT.		X
4	INSPECTION OF SINGLE PASS FILLET WELDS LESS THAN 5/16 INCH, WELDING OF FRAMING, STAIR COMPONENTS, AND ALL OTHER FIELD WELDING REQUIRED ON THE PROJECT. VERIFY USE OF PROPER ELECTRODES, WELDING PROCEDURES, PREHEATING, AND COMPLIANCE WITH ALL AWS STANDARDS.		X
5	INSPECTION OF MULTI−PASS FILLET WELDS GREATER THAN 5/16 INCH, FULL OR PARTIAL PENETRATION GROOVE WELDS, OTHER WELDS SO INDICATED ON THE DRAWINGS. VERIFY THE USE OF PROPER ELECTRODES, MATERIAL PREHEATING, AND COMPLIANCE WITH ALL AWS STANDARDS.	X	

WIND RESISTANCE

	VERIFICATION OR INSPECTION	CONTINUOUS	PERIODIC
1	VERIFY FASTENING OF OF THE ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS. VERIFY EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.		X

SEISMIC RESISTANCE

	VERIFICATION OR INSPECTION	CONTINUOUS	PERIODIC
1	EXAMINE DESIGNATED SEISMIC SYSTEMS FOR ACTIVE MECHANICAL AND ELECTRICAL SYSTEMS THAT MUST REMAIN OPERABLE, VERIFYING INSTALLATION IN ACCORDANCE WITH THE MANUFACTURER'S CERTIFICATION.		X

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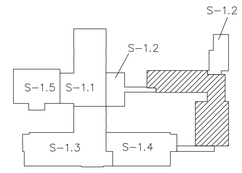
info@gmengrs.com

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



KEY PLAN

3/02/2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

GENERAL NOTES
SPECIAL INSPECTIONS

BID AND CONSTRUCTION

S-4.0

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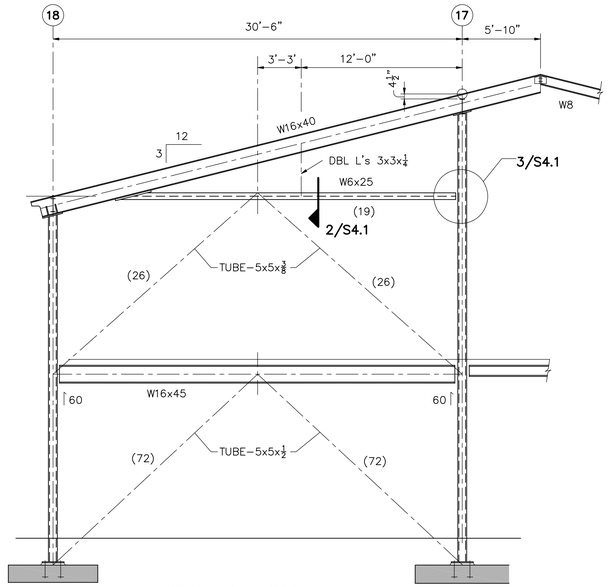
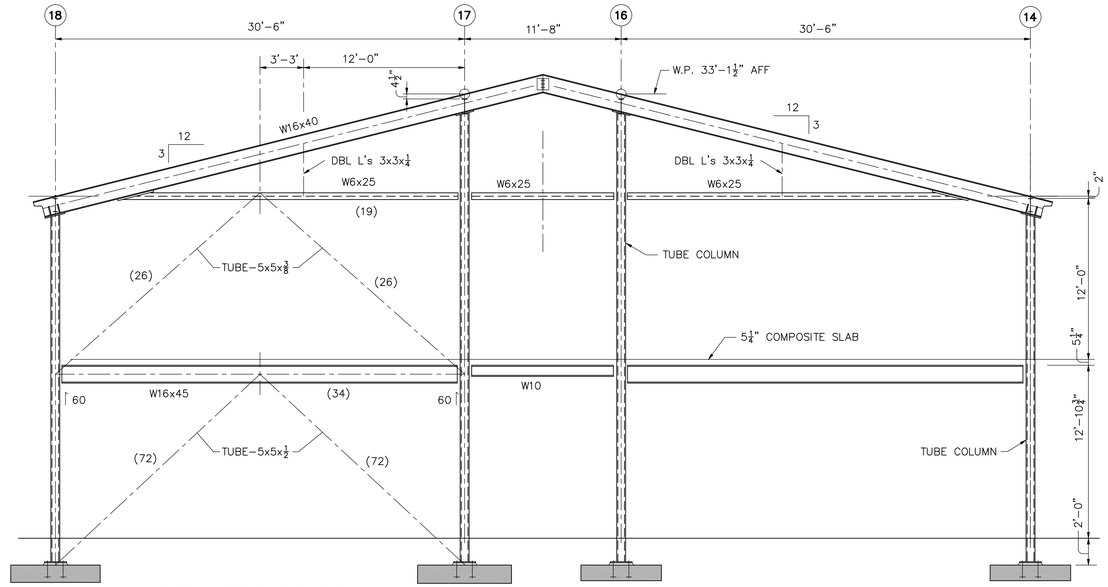
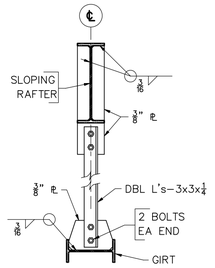


VERTICAL FRAME GRIDLINE G

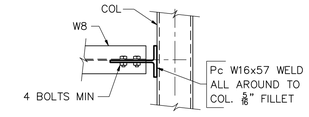


VERTICAL FRAME GRIDLINE P



2 SECTION AT HANGER

NO SCALE



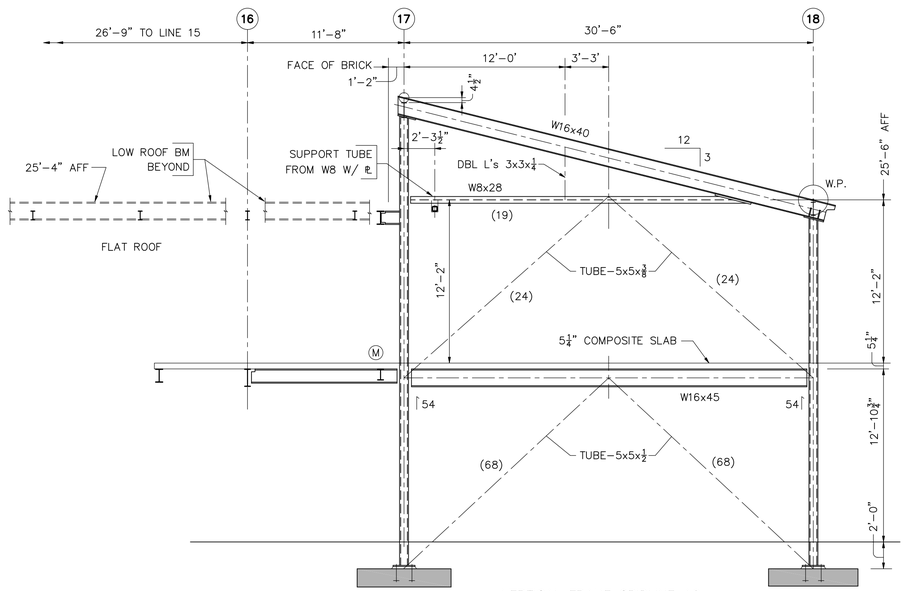
3 SECTION GIRT CONNECTION TO COL

NO SCALE

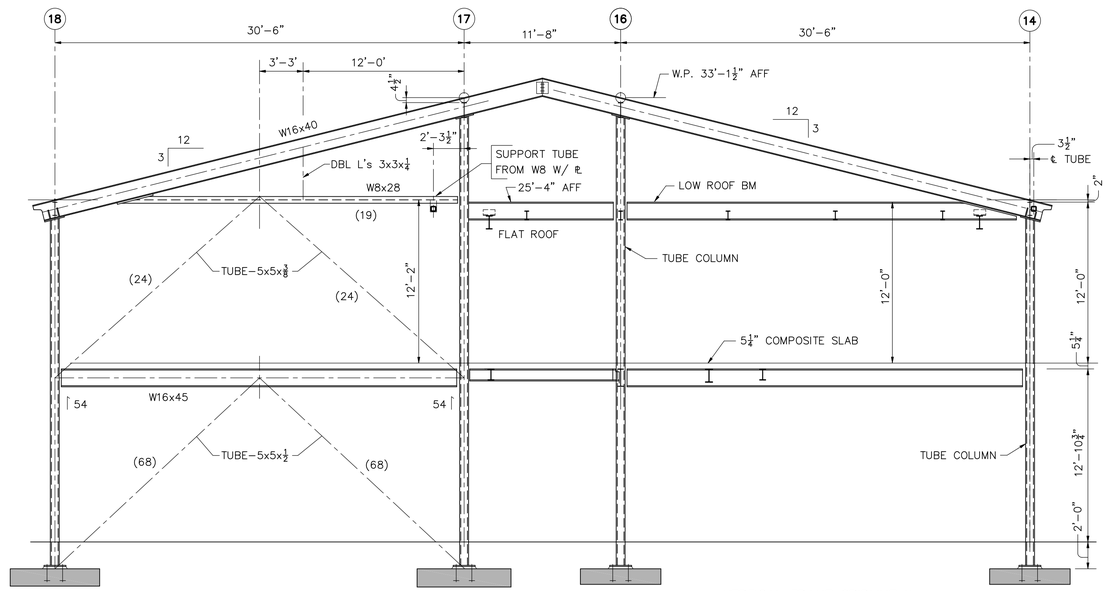
1 ELEVATIONS – VERTICAL BRACED FRAMES

NO SCALE

NOTES:
1. CENTROIDS OF MEMBERS SHALL COINCIDE.
2. (No) DENOTES AXIAL DESIGN FORCE IN KIPS.
3. ⌈No DENOTES DESIGN SHEAR FORCE IN KIPS.
4. SUBMIT CONNECTION DETAILS FOR APPROVAL PRIOR TO FABRICATING ANY MATERIAL.
5. ALL ANGLES ARE DOUBLED WITH LONG LEGS BACK TO BACK.
6. PROVIDE TIE ℄'s AT THIRD POINTS OF DOUBLE ANGLES.



VERTICAL FRAME GRIDLINE A2



VERTICAL FRAME GRIDLINE U

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

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CERRO GORDO, NC

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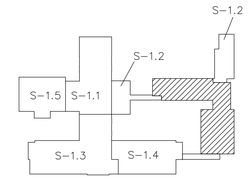

KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

VERTICAL FRAMES

BID AND CONSTRUCTION

S-4.1

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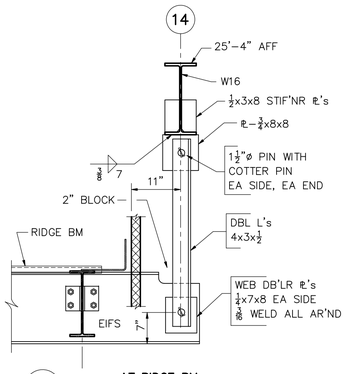
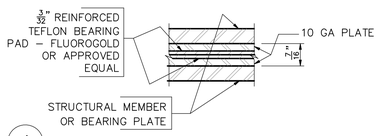


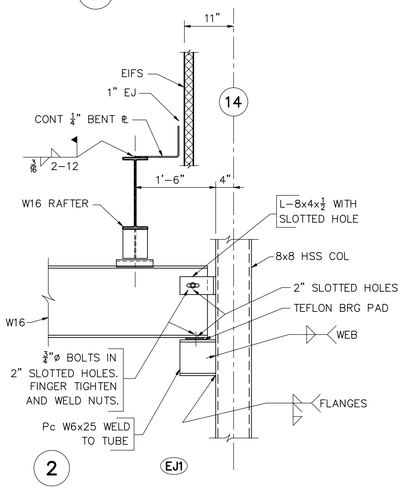
3 AT RIDGE BM



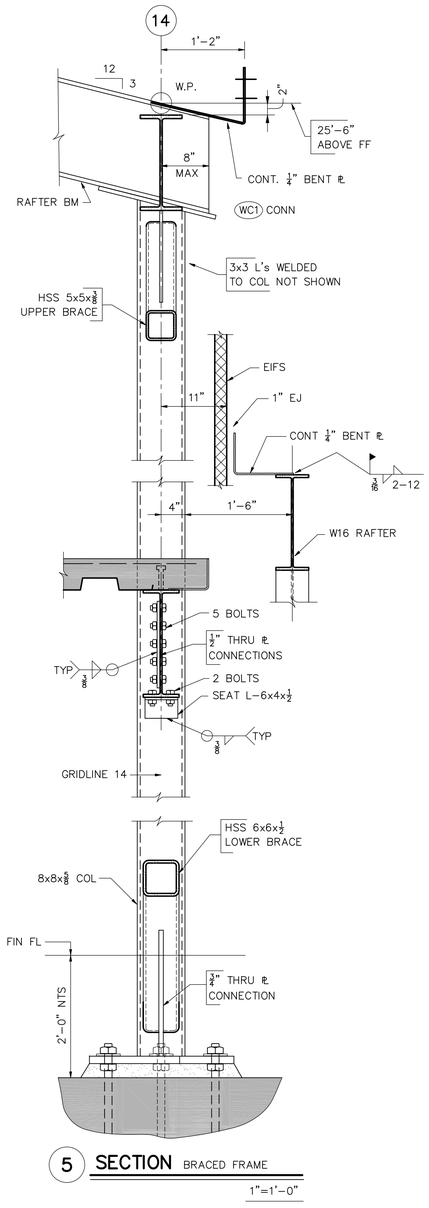
4 DETAIL – TEFLON BEARING PAD NO SCALE

NOTES:

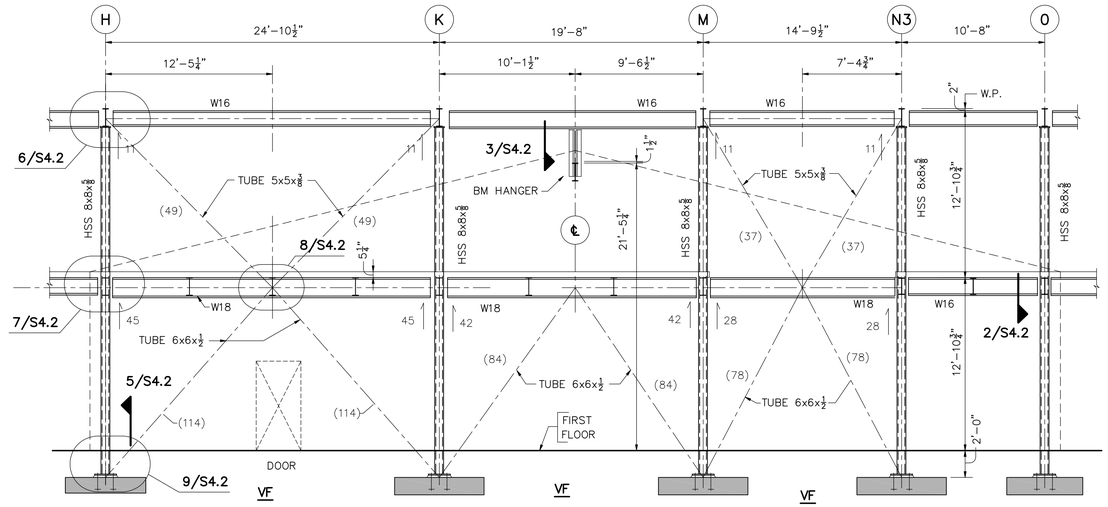
1. BOND TOP BEARING PAD TO TOP 10 GA PLATE. BOND BOT BEARING PAD TO BOT 10 GA PLATE.
2. AT ENDS OF 10 GA PLATE WELD TOP PLATE TO TOP STRUCTURAL MEMBER AND BOT 10 GA PLATE TO BOTTOM STRUCTURAL MEMBER
3. WIDTH OF 10 GA PLATE AND BEARING PAD SHALL BE SAME AS CONTACT WIDTH OF STRUCTURAL MEMBER.
4. WHERE SLOT IS CALLED FOR IN TOP STRUCTURAL MEMBER PROVIDE SLOTS IN TOP 10 GA PLATE AND TOP BEARING PAD.



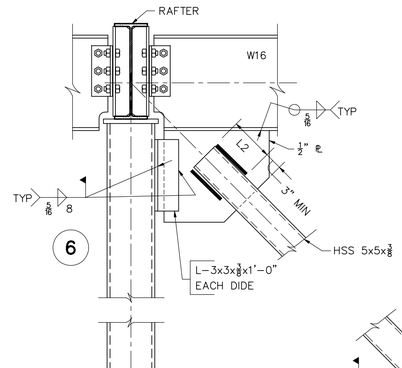
2 EXPANSION JOINT DETAILS NO SCALE



5 SECTION BRACED FRAME 1"=1'-0"



1 ELEVATION – VERTICAL FRAME GRIDLINE 14 ⅜"=1'-0"



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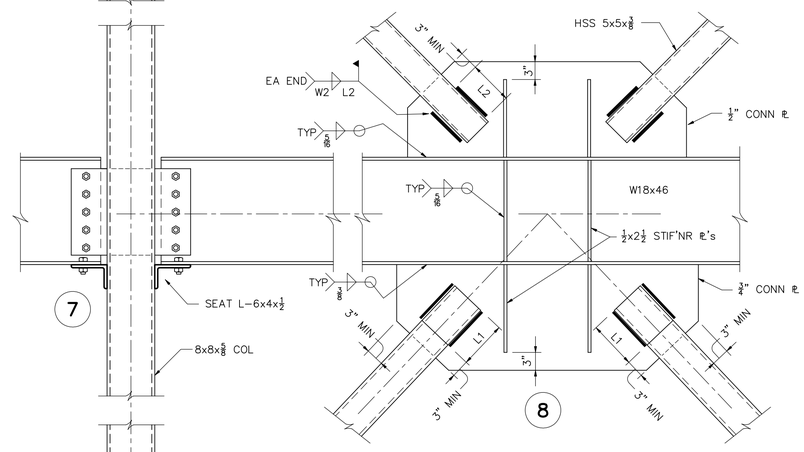
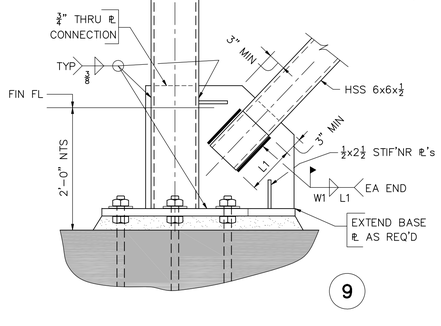


7 8

WELD SCHEDULE			
W1	L1	W2	L2
⅜	8	⅝	7



9

DETAILS BRACED FRAME CONNECTIONS NO SCALE

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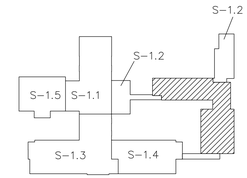
WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC



KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
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4		

VERTICAL FRAMES SECTIONS & DETAILS

BID AND CONSTRUCTION

S-4.2

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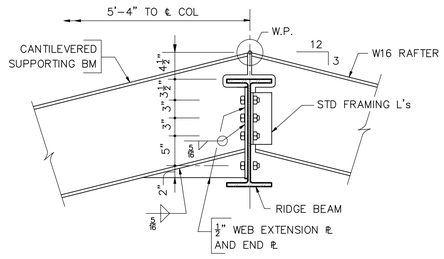
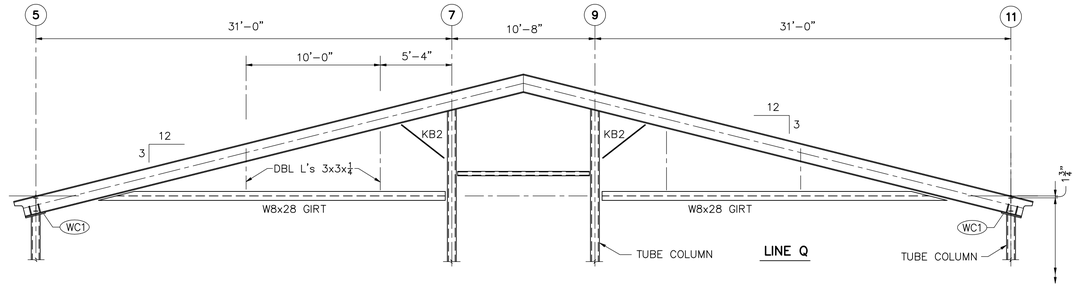
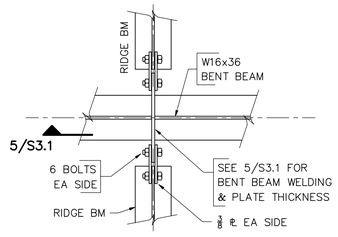
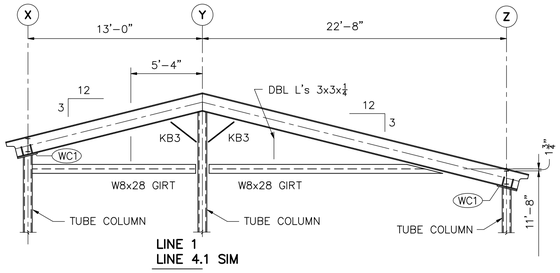


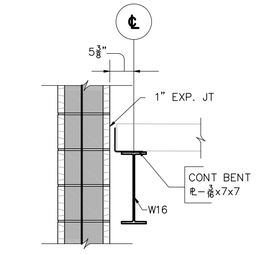
2 **DETAIL** RIDGE BEAM CONNECTION AT CANTILEVERED SUPPORT BM — NO SCALE





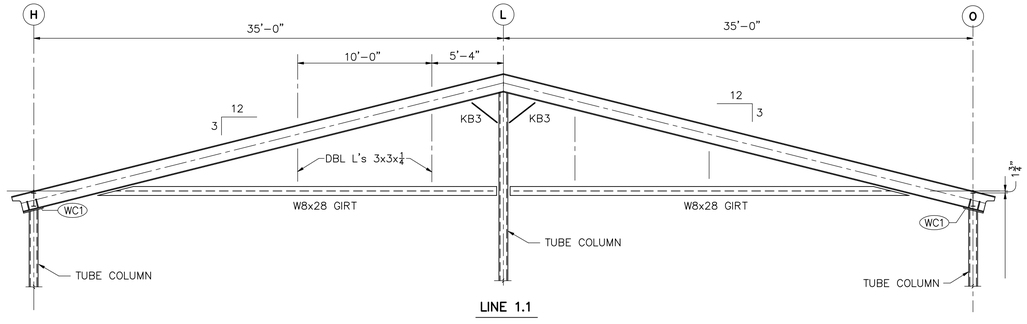
3 **PLAN** RIDGE BEAM CONNECTIONS AT BENT RAFTER BEAM — NO SCALE





4 **SECTION** LOW RAFTETRS AT GYM — NO SCALE

INSTALL BLOCKING PER ARCH. DETAILS



1 **ELEVATIONS – ENDWALL FRAMES** — NO SCALE

NOTES:
1. CENTROIDS OF MEMBERS SHALL COINCIDE.
2. SUBMIT CONNECTION DETAILS FOR APPROVAL PRIOR TO FABRICATING ANY MATERIAL.
3. ALL ANGLES ARE DOUBLED WITH LONG LEGS BACK TO BACK.
4. PROVIDE TIE ℄'s AT THIRD POINTS OF DOUBLE ANGLES.

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

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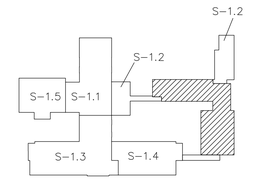

KEY PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 45335 WILLIAM T. EASTERLING
3/02/2020

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

ENDWALL FRAMES SECTIONS AND DETAILS

BID AND CONSTRUCTION

S-4.3

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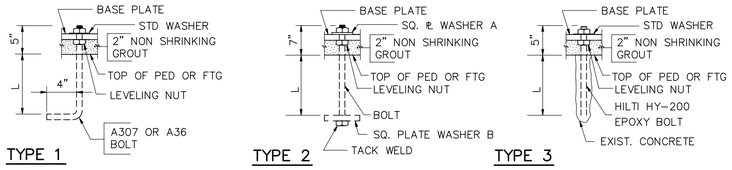
STEEL COLUMN SCHEDULE

NOTE (1) ALL TUBE COLUMNS ASTM A500, GRADE B Fy = 46 KSI

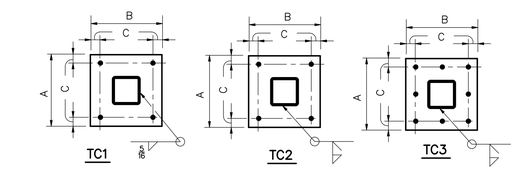
MARK	H1, H2, H3, H4, O1.1 O2, O3 O4	Q5, Q11	L1, L3 L5, L11 L12, L13	Q7, Q9	F2–9 H9	H12, O12 H13, O13	H5, O5 H11, O11	J6, N1–6	J1–10, N10	A8, F1–8	F2–5 F2–11	O7 O9	Z1, Z2.1 Z3.1 Z4.1	Y1, Y2.1 Y3.1 Y4.1	V1–5.1 W1–5.1	V1–4.2 W1–4.2	X1 X2.1	W2.1, W3.1 W4.1	R1–8.1 R2–8.1 R3–8.1	S1–8.1 S2–8.1 S3–8.1
BRACING CONN.	WC1	WC1	KB	KB	KB	WC1					WC1	KB	WC1	KB			WC1	WC1		
CAP ℄ txAxB	1½x10x20	1½x10x20	¾x10x10	¾x10x16	¾x10x16	1¼x10x16	¾x10x16	¾x10x16	¾x10x16	1x14x18	1½x10x20	¾x10x16	1½x10x20	¾x10x16	¾x10x6	¾x10x6	1½x10x20	1½x10x20	½x7x11	½x7x11
CAP ℄ TYPE	4/S5.1	4/S5.1	4	3	3	4/S5.1	1	3	3	1	4/S5.1	3	4/S5.1	3	1	1	4/S5.1	4/S5.1	9/S3–2	9/S3–2
TOP OF COL OR TOP OF CAP PLATE / FINISH FLOOR / BOTTOM OF BASE PLATE	TUBE 8x8x⅜ 12'–7¼"	TUBE 8x8x⅜ 12'–7¼"	TUBE 8x8x½ 21'–9¼"	TUBE 8x8x½ 20'–3¼"	TUBE 8x8x½ 20'–3¼" SEE PLAN	TUBE 8x8x⅜ 12'–7¼" SEE PLAN	TUBE 6x8x⅜ 12'–7¼" SEE PLAN	TUBE 8x8x½ 17'–2¼"	TUBE 8x8x½ 17'–9"	TUBE 12x12x½ 24'–7¼"	TUBE 8x8x⅜ 12'–7¼"	TUBE 8x8x½ 20'–3¼"	TUBE 8x8x½ 10'–4"	TUBE 8x8x½ 17'–4"	TUBE 4x4x⅝ 8'–0⅜"	TUBE 4x4x⅝ 8'–0⅜"	TUBE 8x8x⅜ 12'–9"	TUBE 8x8x½ 10'–4"	TUBE 6x6x⅝ 10'–3¼"	TUBE 6x6x⅝ 10'–3¼"
BASE PLATE t x A x B	1½x18x18	1½x18x18	1½x18x18	1½x18x18	1½x18x18	1½x18x18	1¼x16x16	1¼x16x16	1¼x16x16	1¾x20x20	1½x18x18	1½x18x18	1½x18x18	1½x18x18	¾x12x12	¾x12x12	1½x18x18	1½x18x18	¾x12x12	¾x12x12
BASE PLATE TYPE	TC2	TC2	TC2	TC2	TC2	TC2	TC1	TC1	TC1	TC3	TC2	TC2	TC1	TC1	TC1	TC1	TC2	TC2	6/S1–2	6/S1–2
ANCHOR BOLTS NO & SIZE	4–1"ø	4–1"ø	4–1"ø	4–1"ø	4–1"ø	4–1"ø	4–¾"ø	4–¾"ø	4–¾"ø	8–1"ø	4–1"ø	4–1"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–1"ø	4–1"ø	4–¾"ø	4–¾"ø
ANCHOR BOLTS TYPE	2	2	2	2	2	2	1	1	1	2	2	2	1	1	3	2	2	2	2	2
ANCHOR BOLTS EMBEDMENT "L"	10"	10"	10"	10"	10"	10"	10"	10"	10"	10"	10"	10"	10"	10"	8"	10"	10"	10"	10"	10"

BOLT DIA	¾	1	1¼
PLATE WASHER A	⅜x2½	⅜x3	¼x3
PLATE WASHER B	¼x3	¾x3	1x4½
BASE ℄ DIM "C"	1½	2¼	2½



(1) ANCHOR BOLT DETAILS

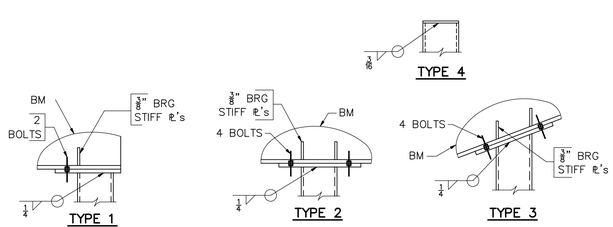
NO SCALE



(2) PLANS STEEL COLUMN BASE PLATES

NO SCALE

NOTE: 1. WELD AT TC2, TC3, & TC4 BASE PLATE TO BE FULL PENETRATION.



(3) CAP PLATE DETAILS – U.O.N.

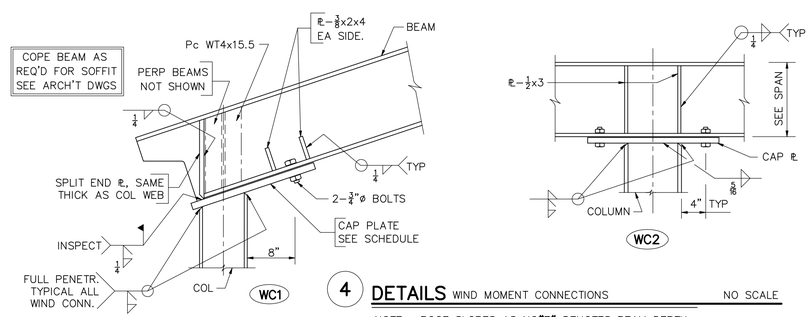
NO SCALE

NOTE: SEE FRAMING PLANS FOR WIND MOMENT CONNECTION MARKS.

STEEL COLUMN SCHEDULE

NOTE (1) ALL TUBE COLUMNS ASTM A500, GRADE B Fy = 46 KSI

MARK	B14, D14, F14, G1–14 C18, E18 H18, M1–18 O–14, I18	B16, D16, F16, G1–16 C17, E17 H16, H17	P14, R14 S14, T14 U14, O18 R18, S18 T18	O16, O17 R16, R17 S16, S17 T16, T17	U17	A1–15 A1–16 V15 V16	I17, K16 M16 M1–17		I1–19 K1–19 L1–19 M1–19 N2–19 N4–19	A2–17 G17 P17 U17	A2–18 G18 P18 U18	H14, K14 M14, N3–14
BRACING CONN.	WC1	KB	WC1	KB	KB	WC2	KB			VF	VF	VF
CAP ℄ txAxB	1½x12x20	¾x10x18	1½x12x20	¾x10x18	¾x10x18	1½x12x20	¾x10x18		¾x11x18	1½x12x20	1½x12x20	1½x12x20
CAP ℄ TYPE	4/S5.1	3	4/S5.1	3	3	4/S5.1	3		2	3	3	2
TOP OF COL OR TOP OF CAP PLATE / FIN. FLOOR LEVEL 2	12'–0"	19'–7½"	12'–0"	19'–7½"	19'–7½"	12'–4"	19'–7½"		12'–0"	19'–7½"	12'–0"	12'–0"
FIN. FLOOR LEVEL 1 / BOTTOM OF BASE PLATE	TUBE 8x8x⅜ 13'–4"	TUBE 8x8x⅜ 13'–4"	TUBE 8x8x⅜ 13'–4"	TUBE 8x8x⅜ 13'–4"	TUBE 8x8x⅜ 13'–4"	TUBE 8x8x⅜ 13'–4"	TUBE 8x8x⅜ 13'–4"		ROUND HSS–8.625x0.322 13'–4"	TUBE 8x8x½ 13'–4"	TUBE 8x8x½ 13'–4"	TUBE 8x8x⅝ 13'–4"
BASE PLATE t x A x B	1½x18x18	1½x18x18	1½x18x18	1½x18x18	1½x18x18	1¾x20x20	1½x18x18		1½x18x18	1¾x20x20	1¾x20x20	2x20x20
BASE PLATE TYPE	TC1	TC1	TC1	TC1	TC1	TC3	TC1		TC6	TC5	TC5	TC5
ANCHOR BOLTS NO & SIZE	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	8–1"ø	4–¾"ø		4–1"ø	7–1¼"ø	7–1¼"ø	7–1¼"ø
ANCHOR BOLTS TYPE	1	1	1	1	1	2	1		2	2	2	2
ANCHOR BOLTS EMBEDMENT "L"	10"	10"	10"	10"	10"	12"	10"		10"	14"	14"	14"



(4) DETAILS WIND MOMENT CONNECTIONS

NO SCALE

NOTE: ROOF SLOPES AS NOTED. DENOTES BEAM DEPTH

SZOSTAK DESIGN

WEST COLUMBUS PK-8 GRADE SCHOOL

COLUMBUS COUNTY SCHOOLS

CERRO GORDO, NC

GARDNER & McDANIEL
CONSULTING ENGINEERS
3622 LYCKAN PKWY #1005 P. O. BOX 51967
DURHAM, NORTH CAROLINA 27717
(919) 489 – 0926 FAX (919) 493 – 3625
info@gmengrs.com

KEY PLAN

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

COLUMN SCHEDULE & DETAILS

BID AND CONSTUCTION

S-5.1

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